EHRM INFRASTRUCTURE UPGRADES

VAPHS - UNIVERSITY DRIVE CAMPUS

UNIVERSITY DRIVE , PITTSBURGH, PA 15240

FINAL BID DOCUMENTS

06.13.2025

DESIGN TEAM

OWNER

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VA | U.S. Department of Veterans Affairs

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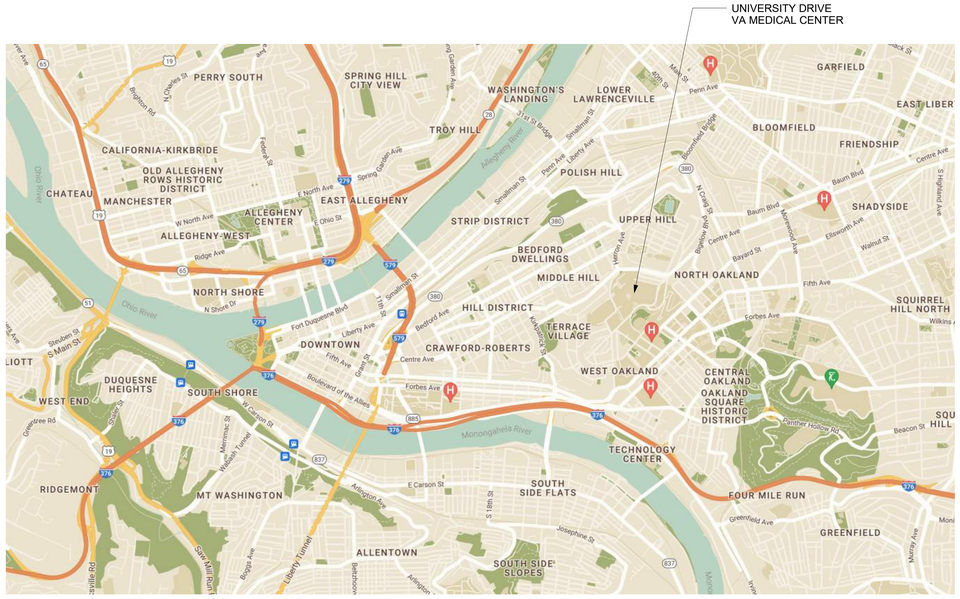

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Drawing Title COVER SHEET	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	**Project Number** 646-22-700
Approved:	FULLY SPRINKLERED	**Location** UNIVERSITY DRIVE PITTSBURGH, PA 15240	**Building Number** 0
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01-TY123I	FIRST SECURITY FLOOR PLAN - AREA I
01-TY123J	FIRST SECURITY FLOOR PLAN - AREA J
01-TY124A	SECOND SECURITY FLOOR PLAN - AREA A
01-TY124B	SECOND SECURITY FLOOR PLAN - AREA B
01-TY124B2	SECOND SECURITY FLOOR PLAN - AREA B2
01-TY124C	SECOND SECURITY FLOOR PLAN - AREA C
01-TY124D	SECOND SECURITY FLOOR PLAN - AREA D
01-TY124E	SECOND SECURITY FLOOR PLAN - AREA E
01-TY124F	SECOND SECURITY FLOOR PLAN - AREA F
01-TY124G	SECOND SECURITY FLOOR PLAN - AREA G
01-TY124H	SECOND SECURITY FLOOR PLAN - AREA H
01-TY124I	SECOND SECURITY FLOOR PLAN - AREA I
01-TY124J	SECOND SECURITY FLOOR PLAN - AREA J
01-TY125A	THIRD SECURITY FLOOR PLAN - AREA A
01-TY125B	THIRD SECURITY FLOOR PLAN - AREA B
01-TY125B2	THIRD SECURITY FLOOR PLAN - AREA B2
01-TY125C	THIRD SECURITY FLOOR PLAN - AREA C
01-TY125D	THIRD SECURITY FLOOR PLAN - AREA D
01-TY125E	THIRD SECURITY FLOOR PLAN - AREA E
01-TY125F	THIRD SECURITY FLOOR PLAN - AREA F
01-TY125G	THIRD SECURITY FLOOR PLAN - AREA G
01-TY125H	THIRD SECURITY FLOOR PLAN - AREA H
01-TY125I	THIRD SECURITY FLOOR PLAN - AREA I
01-TY125J	THIRD SECURITY FLOOR PLAN - AREA J
01-TY126A-B2	FOURTH SECURITY FLOOR PLAN - AREA A & B2
01-TY126B	FOURTH SECURITY FLOOR PLAN - AREA B
01-TY126C	FOURTH SECURITY FLOOR PLAN - AREA C
01-TY126E	FOURTH SECURITY FLOOR PLAN - AREA E
01-TY126F-G	FOURTH SECURITY FLOOR PLAN - AREA F & G
01-TY126H	FOURTH SECURITY FLOOR PLAN - AREA H
01-TY126I	FOURTH SECURITY FLOOR PLAN - AREA I
01-TY126J	FOURTH SECURITY FLOOR PLAN - AREA J
01-TY127A-B2	FIFTH SECURITY FLOOR PLAN - AREA A & B2
01-TY127B-E	FIFTH SECURITY FLOOR PLAN - AREA B & E
01-TY127B-Ea	FIFTH SECURITY FLOOR PLAN - DATA CENTER
01-TY127C	FIFTH SECURITY FLOOR PLAN - AREA C
01-TY127D	FIFTH SECURITY FLOOR PLAN - AREA D
01-TY127H	FIFTH SECURITY FLOOR PLAN - AREA H
01-TY127I	FIFTH SECURITY FLOOR PLAN - AREA I
01-TY127J	FIFTH SECURITY FLOOR PLAN - AREA J
01-TY128A-B2	SIXTH SECURITY FLOOR PLAN - AREA A & B2
01-TY128B-E	SIXTH SECURITY FLOOR PLAN - AREA B & E
01-TY128C	SIXTH SECURITY FLOOR PLAN - AREA C
01-TY129A-B2	SEVENTH SECURITY FLOOR PLAN - AREA A & B2
01-TY129B-E	SEVENTH SECURITY FLOOR PLAN - AREA B & E
01-TY129C	SEVENTH SECURITY FLOOR PLAN - AREA C
01-TY130A-B2	EIGHTH SECURITY FLOOR PLAN - AREA A & B2
01-TY130B-E	EIGHTH SECURITY FLOOR PLAN - AREA B & E
01-TY130C	EIGHTH SECURITY FLOOR PLAN - AREA C
01-TY131A-B2	NINTH SECURITY FLOOR PLAN - AREA A & B2
01-TY131B-E	NINTH SECURITY FLOOR PLAN - AREA B & E
01-TY131C	NINTH SECURITY FLOOR PLAN - AREA C
01-TY132A-B2	TENTH SECURITY FLOOR PLAN - AREA A & B2
01-TY132B-E	TENTH SECURITY FLOOR PLAN - AREA B & E
01-TY132C	TENTH SECURITY FLOOR PLAN - AREA C
01-TY133A	ELEVENTH SECURITY FLOOR PLAN - AREA A
01-TY133B-E	ELEVENTH SECURITY FLOOR PLAN - AREA B & E
01-TY133C	ELEVENTH SECURITY FLOOR PLAN - AREA C
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05-GENERAL	
05-GI001	COVER SHEET
08-ARCHITECTURE	
05-AE121	ENLARGED FLOOR PLANS - GROUND FLOOR - TR BA101
05-AE601	DOOR SCHEDULE
11-FIRE PROTECTION	
05-FX101	FIRST FLOOR PLAN - FIRE PROTECTION
14-MECHANICAL	
05-MD101	FIRST FLOOR DEMOLITION PLAN - MECHANICAL
05-MH101	FIRST FLOOR PLAN - MECHANICAL
15-ELECTRICAL	
05-ED101	FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
05-EP101	FIRST FLOOR PLAN - ELECTRICAL
05-EP401	ELECTRICAL ENLARGED PLANS
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05-TD101	FIRST FLOOR DEMOLITION PLAN - TECHNOLOGY
05-TN101	FIRST FLOOR PLAN - TECHNOLOGY
05-TN400	ENLARGED PLANS - TECHNOLOGY
16.4-SECURITY	
05-TY121	GROUND FLOOR SECURITY PLAN
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SHEET INDEX

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08-TD102	SECOND FLOOR DEMOLITION PLAN - TECHNOLOGY
08-TN101	FIRST FLOOR PLAN - TECHNOLOGY
08-TN102	SECOND FLOOR PLAN - TECHNOLOGY
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00-GENERAL	
30-GI001	COVER SHEET
08-ARCHITECTURE	
30-AE099	BASEMENT FLOOR PLAN
30-AE100	GROUND FLOOR PLAN
30-AE101	FIRST FLOOR PLAN
30-AE102	SECOND FLOOR PLAN
30-AE401	BA007 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
30-AE402	GA131 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
30-AE403	1A134 - ENLARGED FLOOR PLANS, RCPS AND INTERIOR ELEVATIONS
30-AE404	2A134 - ENLARGED FLOOR PLANS, RCPS AND INTERIOR ELEVATIONS
30-AE601	DOOR SCHEDULE
11-FIRE PROTECTION	
30-FX099	BASEMENT PLAN - FIRE PROTECTION
30-FX100	GROUND FLOOR PLAN - FIRE PROTECTION
30-FX101	FIRST FLOOR PLAN - FIRE PROTECTION
30-FX102	SECOND FLOOR PLAN - FIRE PROTECTION
12-PLUMBING	
30-PP099	BASEMENT PLAN - PLUMBING
14-MECHANICAL	
30-MD099	BASEMENT DEMOLITION PLAN - MECHANICAL
30-MD100	GROUND FLOOR DEMOLITION PLAN - MECHANICAL
30-MD101	FIRST FLOOR DEMOLITION PLAN - MECHANICAL
30-MD102	SECOND FLOOR DEMOLITION PLAN - MECHANICAL
30-MH099	BASEMENT PLAN - MECHANICAL
30-MH100	GROUND FLOOR PLAN - MECHANICAL
30-MH101	FIRST FLOOR PLAN - MECHANICAL
30-MH102	SECOND FLOOR PLAN - MECHANICAL
30-MH103	ROOF PLAN - MECHANICAL
30-MH400	ENLARGED PLANS - MECHANICAL
30-MH401	ENLARGED PLANS - MECHANICAL
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30-EP099	BASEMENT PLAN - ELECTRICAL
30-EP100	GROUND FLOOR PLAN - ELECTRICAL
30-EP101	FIRST FLOOR PLAN - ELECTRICAL
30-EP102	SECOND FLOOR PLAN - ELECTRICAL
30-EP401	ELECTRICAL ENLARGED PLANS
30-EP402	ELECTRICAL ENLARGED PLANS
30-EP601	ELECTRICAL RISER DIAGRAM
30-EP701	ELECTRICAL SCHEDULES
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30-TD100	BASEMENT DEMOLITION PLAN - TECHNOLOGY
30-TD101	GROUND FLOOR DEMOLITION PLAN - TECHNOLOGY
30-TD102	FIRST FLOOR DEMOLITION PLAN - TECHNOLOGY
30-TD103	SECOND FLOOR DEMOLITION PLAN - TECHNOLOGY
30-TN100	BASEMENT PLAN - TECHNOLOGY
30-TN101	GROUND FLOOR PLAN - TECHNOLOGY
30-TN102	FIRST FLOOR PLAN - TECHNOLOGY
30-TN103	SECOND FLOOR PLAN - TECHNOLOGY
30-TN400	BASEMENT FLOOR - TR BA007 - REMAIN - ENLARGED PLAN
30-TN410	GROUND FLOOR - TR GA131 - REMAIN - ENLARGED PLAN
30-TN420	FIRST FLOOR - TR 1A134 - REMAIN - ENLARGED PLAN
30-TN430	SECOND FLOOR - TR 2A134 - REMAIN - ENLARGED PLAN
16.4-PHYSICAL SECURITY	
30-TY099	BASEMENT SECURITY FLOOR PLAN
30-TY100	GROUND SECURITY FLOOR PLAN
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33-AE601	DOOR SCHEDULE AND DIAGRAMS
11-FIRE PROTECTION	
33-FX101	FIRST FLOOR PLAN - FIRE PROTECTION
14-MECHANICAL	
33-MH101	FIRST FLOOR PLAN - MECHANICAL
15-ELECTRICAL	
33-EP101	FIRST FLOOR PLAN - ELECTRICAL
33-EP701	ELECTRICAL SCHEDULES
16-TELECOMMUNICATION	
33-TD101	FIRST FLOOR DEMOLITION PLAN - TECHNOLOGY
33-TD102	SECOND FLOOR DEMOLITION PLAN - TECHNOLOGY
33-TN101	FIRST FLOOR PLAN - TECHNOLOGY
33-TN102	SECOND FLOOR PLAN - TECHNOLOGY
33-TN400	TECHNOLOGY ENLARGED PLANS
16.4-PHYSICAL SECURITY	
33-TY121	1ST & 2ND SECURITY FLOOR PLAN
Grand total: 343	

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Revisions: Date:

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: SHEET INDEX
Approved:
Phase: FINAL BID DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date: 06.13.2025
Checked
Drawn
Project Number: 646-22-700
Building Number: 0
Drawing Number: 00-GI002
SHEET 3 of 797

SCOPE OF WORK

THIS PROJECT AT THE VA PITTSBURGH HEALTHCARE SYSTEM (VAPHS) UNIVERSITY DRIVE (UD) CAMPUS IN PITTSBURGH, PA ADDRESSES NECESSARY INFORMATION TECHNOLOGY (IT) UPGRADES TO MODERNIZE EXISTING INFRASTRUCTURE AND SUPPORT IMPLEMENTING A NEW ELECTRONIC HEALTHCARE RECORDS MANAGEMENT (EHRM) SYSTEM.

THE PROJECT SCOPE INCLUDES (2) NEW CONSTRUCTION TOWER ADDITIONS, A NEW DATA CENTER WITHIN THE TOWERS, UPGRADED AND NEW TR ROOMS, UPGRADED AND NEW SUPPORT ROOMS, NEW AND RETROFIT STRUCTURAL SYSTEMS AND FOUNDATION WORK, NEW MEP AND TECHNOLOGY EQUIPMENT AND SYSTEMS, NEW AND REVISED FLS SYSTEMS, NEW AND REVISED SECURITY SYSTEMS, ACM AND LEAD MITIGATION, A PHASED SYSTEM AND CONSTRUCTION DESIGN.

CODES AND STANDARDS

INFRASTRUCTURE STANDARD FOR TELECOMMUNICATIONS SPACES V3.1, JULY 1, 2021
VA ARCHITECTURAL DESIGN MANUAL: VS. AUGUST 1, 2014
VA ELECTRICAL DESIGN MANUAL: VS. DECEMBER 1, 2019
VA FIRE PROTECTION DESIGN MANUAL: VS. NOVEMBER 1, 2023
VA HVAC DESIGN MANUAL: REV. OCTOBER 1, 2022
VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL: VS. JULY 1, 2022
VA PLUMBING DESIGN MANUAL: VS. JANUARY 1, 2023
VA SITE DESIGN MANUAL: VS. APRIL 1, 2021
VA WHOLE BUILDING COMMISSIONING PROCESS MANUAL: VS. MAY 1, 2013
VA RETRO-COMMISSIONING PROCESS MANUAL: VS. JUNE 1, 2014
VA BARRIER FREE DESIGN STANDARD: REV. JUNE 1, 2024
VA STRUCTURAL DESIGN MANUAL: REV. JULY 1, 2023

PG-18-1 MASTER CONSTRUCTION SPECIFICATION INDEX
PG-18-3 DESIGN AND CONSTRUCTION PROCEDURES
PG-18-4 STANDARD DETAILS AND CAD STANDARDS
PG-18-10 DESIGN MANUALS (BY DISCIPLINE)
PG-18-12 DESIGN GUIDES (GRAPHICAL, BY FUNCTION)
PG-18-13 BARRIER-FREE DESIGN GUIDE
PG-18-14 ROOM FINISHES, DOOR, AND HARDWARE SCHEDULES
PG-18-15 A-E SUBMISSION REQUIREMENTS
H-18-8 SEISMIC DESIGN HANDBOOK
HEPF SEP (SOCAMES 6) DESIGN ALERTS

NFPA 13 INSTALLATION OF SPRINKLER SYSTEMS: 2022 EDITION
NFPA 72 FIRE ALARM AND SIGNALING CODE: 2022 EDITION
NFPA 75 FIRE PROTECTION OF IT EQUIPMENT: 2024 EDITION
NFPA 99 HEALTHCARE FACILITIES CODE: 2024 EDITION
NFPA 101 LIFE SAFETY CODE: 2024 EDITION
NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS: 2022 EDITION

INTERNATIONAL BUILDING CODE: 2021 EDITION
INTERNATIONAL MECHANICAL CODE: 2021 EDITION
INTERNATIONAL ELECTRICAL CODE: 2021 EDITION
INTERNATIONAL PLUMBING CODE: 2021 EDITION

LOCAL CODES: AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEWS, BUILDING PERMITS, INSPECTIONS, FEES, ETC.). VA MUST FUNCTION AS THE AUTHORITY HAVING JURISDICTION (AHJ) AND THUS HAS THE RESPONSIBILITY TO GUARD PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES. HOWEVER, LOCAL AUTHORITIES SHOULD BE NOTIFIED ABOUT PLANNED PROJECTS AND GIVEN OPPORTUNITY TO REVIEW DRAWINGS PROVIDED THAT VA DOES NOT PAY FOR REVIEW OR INSPECTION FEES.

NFPA 101 PRIMARILY ADDRESSES LIFE SAFETY AND FIRE PROTECTION FEATURES WHILE THE IBC ADDRESSES A WIDE RANGE OF CONSIDERATIONS, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STRENGTH, SEISMIC STABILITY, SANITATION, ADEQUATE LIGHT AND VENTILATION, AND ENERGY CONSERVATION. VA BUILDINGS MUST MEET THE REQUIREMENTS OF NFPA 101 AND DOCUMENTS REFERENCED BY NFPA 101 IN ORDER TO COMPLY WITH THE ACCREDITATION REQUIREMENTS OF THE JOINT COMMISSION. THEREFORE, DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).

CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS – SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENCY SYSTEM WIDE.

PROJECT GENERAL NOTES

1. THE CONTRACTOR SHOULD VISIT THE SITE PRIOR TO BID TO FIELD VERIFY ALL EXISTING CONDITIONS WHICH MAY AFFECT THEIR BID. BY SUBMISSION OF BID, THE CONTRACTOR ACKNOWLEDGES FULL REVIEW OF SITE HAS BEEN INCORPORATED IN BID AND HAS ACCEPTED SITE CONDITIONS AS IS.

2. ALL REFERENCES ON THESE DRAWINGS TO EXISTING CONDITIONS ARE FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL THESE ITEMS PRIOR TO BID AND INCLUDED IN THEIR BID ANY AND ALL AMOUNTS REQUIRED TO ACCOMMODATE EXISTING CONDITIONS.

3. NO ADDITIONAL COMPENSATION WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.

4. ANY DISCREPANCIES WHICH MAY AFFECT THE CONTRACTOR'S BID SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT FOR DIRECTION PRIOR TO BIDDING.

5. MATERIAL QUANTITIES EXTRACTED BY THE GC FROM THE DESIGN-INTENT MODEL SHOULD BE USED WITH CAUTION BECAUSE A DESIGN-INTENT MODEL IS NOT CREATED FOR THIS PURPOSE. THE GC IS OBLIGATED TO DETERMINE, AND ASSUMES ALL RISK FOR, THE SUITABILITY OF THE DESIGN-INTENT BIM FOR MATERIAL QUANTITY TAKEOFFS.

6. THE GC IS RESPONSIBLE TO ENSURE THAT EQUIPMENT AND SYSTEMS ARE INSTALLED ACCORDING TO THE CONSTRUCTION COORDINATED MODEL LOCATIONS, WHICH HAVE BEEN SIGNED OFF BY VA FACILITY MANAGEMENT PERSONNEL, AND ARE REFINED FROM THE AE DESIGN COORDINATED MODEL LOCATIONS. ANY DEVIATIONS THAT IMPINGE ON SPACE RESERVATIONS AS NOTED IN VA BIM STANDARDS MUST BE APPROVED BY VA IN WRITING.

7. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS APPLICABLE ONLY TO THE DRAWINGS OF ONE DISCIPLINE, REFER TO THE DRAWINGS OF THAT DISCIPLINE – SEE "SHEET INDEX".

8. THE COMPLETE SET OF DRAWINGS CONSIST OF ALL DRAWINGS LISTED BY THE "SHEET INDEX". THE WORK DESCRIBED IN ONE SHEET MAY BE REFERENCED AND MAY BE AFFECTED BY WORK DESCRIBED ON ANOTHER SHEET.

9. THE WORK DESCRIBED IN ONE DISCIPLINE MAY BE REFERENCED AND AFFECTED BY WORK OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE REDISTRIBUTED OR UTILIZED BY THE CONTRACTOR.

10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUBCONTRACTORS, TRADES AND SUPPLIERS WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS, WHICH MIGHT AFFECT THE WORK OF THAT TRADE.

11. ALL ARCHITECTURAL DRAWINGS ESTABLISH AND COORDINATE THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED ELEMENTS OF THE WORK, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DRAWING OF OTHER DISCIPLINES, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

12. THE ARCHITECTURAL FLOOR PLANS, REFLECTED CEILING PLANS, SECTIONS, AND ELEVATIONS SHOW THE LOCATION OF MANY-BUT NOT ALL – EXPOSED PARTS OF THE WORK. FOR ITEMS NOT LOCATED EXACTLY, APPLY THE RULES INDICATED BY THE DRAWING "TYPICAL MOUNTING HEIGHTS AND CONFIGURATION DIAGRAMS" TO DETERMINE THE EXACT LOCATION OF EACH EXPOSED PART OF THE WORK.

13. REFER TO THE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND TELECOMMUNICATION DRAWINGS FOR THE DETAILED DESIGN OF THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS, OF WHICH PORTIONS MAY ALSO MAY BE SHOWN ON THE ARCHITECTURAL DRAWINGS.

14. NO PART OF THE CONTRACT DOCUMENTS SHALL BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO AN APPLICABLE GOVERNING RULE, CODE, REGULATION, ORDINANCE, OR LAW.

15. IF A CONFLICT EXISTS BETWEEN THE CONTRACT DOCUMENTS AND A REGULATORY REQUIREMENT, THE CONTRACTOR SHALL COMPLY WITH THE ONE ESTABLISHING THE MORE STRINGENT OR RESTRICTIVE REQUIREMENT:
   - THE DRAWINGS AND SPECIFICATIONS MAY SET FORTH MORE DETAILED, MORE SPECIFIC, AND/OR MORE RESTRICTIVE REQUIREMENTS THAN THOSE SET FORTH BY THE APPLICABLE REGULATORY REQUIREMENTS,
   - WHERE THE DRAWINGS AND SPECIFICATIONS PROVIDE MORE DETAILED, MORE SPECIFIC, AND/OR MORE RESTRICTIVE REQUIREMENTS, THE CONTRACTOR SHALL COMPLY WITH THOSE REQUIREMENTS. WHERE THE APPLICABLE REQUIREMENTS OF THE REFERENCED RULES, CODES, REGULATIONS, ORDINANCES, OR LAWS ARE MORE RESTRICTIVE THAN THAT SET FORTH BY THE DRAWINGS AND SPECIFICATION, THE CONTRACTOR SHALL COMPLY WITH ALL SUCH MORE RESTRICTIVE REQUIREMENTS. ALTHOUGH SUCH REQUIREMENTS MAY NOT BE ILLUSTRATED BY THE DRAWINGS AND SPECIFICATIONS.

16. APPLICABLE PORTIONS OF THE CODES, REGULATIONS, AND STANDARDS LISTED HERE ARE INCORPORATED BY REFERENCE INTO THE REQUIREMENTS OF THIS CONTRACT AND ESTABLISH MINIMUM REQUIREMENTS WITH WHICH THE WORK MUST COMPLY.

17. PROPRIETARY PRODUCTS OR ASSEMBLIES UTILIZED AS "BASIS OF DESIGN".
   - ON OCCASION, THE DRAWINGS MAY REFER TO A SINGLE PROPRIETARY PRODUCT OR ASSEMBLY WHILE THE SPECIFICATIONS LIST TWO OR MORE ACCEPTABLE MANUFACTURERS AND/OR PRODUCTS, WHEN THIS OCCURS, THE PRODUCT OR ASSEMBLY ILLUSTRATED BY THE DRAWINGS IS THE "BASIS OF DESIGN" PRODUCT OR ASSEMBLY.
   - THE DIMENSIONS, MOUNTING HEIGHTS, CLEARANCES, AND ACCESS REQUIREMENTS OF SPECIFIED PRODUCTS AND ASSEMBLIES OTHER THAN THE "BASIS OF DESIGN" MAY VARY FROM THAT SHOWN BY THE DRAWINGS.
   - THE CONTRACTOR MAY UTILIZE ANY OTHER SPECIFIED PRODUCT OR ASSEMBLY IN LIEU OF THE "BASIS OF DESIGN" PRODUCT OR ASSEMBLY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE (AT NO ADDITIONAL EXPENSE TO THE OWNER) FOR ALL COORDINATION AND REVISIONS TO DIMENSIONS AND/OR DETAILS NECESSARY TO ACHIEVE THE SAME FUNCTIONAL AND AESTHETIC DESIGN INTENT AS ILLUSTRATED BY THE "BASIS OF DESIGN" SHOWN BY THE CONTRACT DOCUMENTS.

14. THE CONTRACTOR SHALL NOT SCALE DRAWINGS, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF WORK AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.

15. ALL WORK PERFORMED SHALL COMPLY WITH THE CONTRACT DOCUMENTS, DRAWINGS, AND PROJECT MANUAL, INCLUDING THESE GENERAL NOTES. THE CONTRACTOR SHALL COORDINATE THE INTENT OF THE GENERAL NOTES WITH ALL TRADES. ALL WORK PERFORMED SHALL COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.

16. THE PROJECT MANUAL, BOUND SEPARATELY, IS A PART OF THE CONTRACT DOCUMENTS.

17. THE ORGANIZATION OF THE DRAWINGS AND PROJECT MANUAL SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.

18. NOTES APPEARING ON VARIOUS DRAWINGS FOR DIFFERENT SYSTEMS AND MATERIALS ARE TO BE REVIEWED, COORDINATED AND ARE TO BE APPLIED TO ALL RELATED DRAWINGS AND DETAILS.

19. CONSTRUCTION, WORKMANSHIP, AND MATERIALS SHALL CONFORM TO THE REFERENCED AND CURRENT VA STANDARDS.

20. THE CONTRACTOR SHALL NOTIFY THE COR AND AOR WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONTRACT DOCUMENT AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS, FIELD CONDITIONS OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH THE REQUIREMENTS OF THE IBC.

22. THESE DRAWINGS INDICATE IN GENERAL THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN INTENT, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND TYPE OF STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS. THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. AS INDICATED OR DESCRIBED, THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.

23. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND TELECOMMUNICATIONS DRAWINGS AND SPECIFICATIONS FOR ARCHITECTURAL ROUTING OF CONDUIT, PIPING, DUCTWORK ETC. AT UNDERSIDE OF CONCRETE SLABS. ROUTING SHALL BE ORTHOGONAL, AND LIKE ITEMS TO BE GANGED AND TO RUN PARALLEL WITH EVEN SPACING TYPICAL. EXACT ROUTING SHALL BE DETERMINED BY THE CONTRACTOR, AND LAYOUT SHOP DRAWINGS SUBMITTED FOR ARCHITECTURAL REVIEW AND APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS AND BASES AS WELL AS POWER AND WATER OR DRAIN INSTALLATIONS WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. CHANGES TO ACCOMMODATE FIELD CONDITIONS OR SUBSTITUTIONS SHALL BE MADE AT NO ADDITIONAL COST.

24. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SAME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.

25. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL FLOOR/WALL SLEEVES AND SHAFTS IN CONCRETE SLABS/WALLS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS AND DISCREPANCIES, IF ANY, TO BE BROUGHT TO NOTICE OF THE ENGINEER PRIOR TO EXECUTION OF WORK.

26. COORDINATE WORK WITH COR, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.

27. ALL EXISTING OR PROPOSED ELEVATIONS (LEVELS) AND DIMENSIONS, ON SITE AND ON DRAWINGS MUST BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE THE PREPARATION OF SHOP DRAWINGS OR COMMENCEMENT OF ANY ITEM OF WORK ON THE SITE.

28. ARCHITECTURAL DRAWINGS MUST ALWAYS BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT SERVICES DRAWINGS AND CONTRACT DOCUMENTS. ANY DISCREPANCY BETWEEN THESE DRAWINGS AND DOCUMENTS SHOULD BE REPORTED TO THE COR AND ARCHITECT FOR CLARIFICATION AND VERIFICATION.

29. CONTRACTOR SHALL LOCATE AND INSTALL ALL ACCESS PANEL IN THE GYPSUM BOARD CEILING AND WALLS FOR SERVICES ACCESS.

30. FOR AREAS WITHOUT SUSPENDED CEILING HAVING EXPOSED SLAB AND BEAMS, WALL FINISH MATERIAL SHALL BE FROM FLOOR LEVEL TO BOTTOM OF SLAB LEVEL. (UNLESS NOTED OTHERWISE)

31. ALL EXISTING ENCLOSURE ASSEMBLIES AND TO BE PROTECTED AND MAINTAINED DURING CONSTRUCTION. IF DURING CONSTRUCTION ANY DAMAGE IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.

FIRE PROTECTION

1. PENETRATIONS TO BE PROTECTED WITH THROUGH PENETRATION PROTECTION SYSTEMS IN VA FIRE PROTECTION DESIGN MANUAL 2.3.N.

2. A FINISH OR FIRE RATING INDICATION ON A WALL SHALL MEAN THE ENTIRE LENGTH OF WALL IS TO BE FINISHED OR FIRE RATED.

3. FIRE RATED ASSEMBLIES SHALL BE PER TABLE 721.1(1), GENERIC ASSEMBLIES OF GYPSUM HANDBOOK, OR HAVE ICC APPROVAL.

4. PENETRATIONS OF FIRE RESISTANCE-RATED HORIZONTAL ASSEMBLIES AND FIRE RESISTANCE RATED WALLS SHALL COMPLY WITH SECTION 714 OF THE IBC, INCLUDING FIRE DAMPERS AND SMOKE DAMPERS WHERE REQUIRED.

5. MEMBRANE PENETRATIONS BY LISTED ELECTRICAL OUTLET BOXES ARE PERMITTED PROVIDED SUCH BOXES HAVE BEEN TESTED FOR USE IN FIRE-RESISTANCE-RATED ASSEMBLIES AND THE BOX DOES NOT EXCEED 1/8" UNLESS LISTED OTHERWISE.

6. COMPLY WITH THE PRESCRIPTIVE REQUIREMENTS OF NFPA 75

7. PROVIDE AUTOMATIC WET-PIPE SPRINKLER SYSTEM THROUGHOUT INCLUDING ALL DEMARC ROOMS, MAIN COMPUTER ROOMS, AND TR'S.

8. FUSIBLE LINK SPRINKLERS ARE PERMITTED TO BE USED IN THE COMPUTER AREA.

9. PROVIDE CLEAN AGENT FIRE SUPPRESSION FOR THE MAIN COMPUTER ROOM AND BACKUP COMPUTER ROOM WHEN REQUIRED BY THE VA FIRE PROTECTION DESIGN MANUAL.

10. GASEOUS SUPPRESSION SYSTEM INCLUDE TELECOMMUNICATIONS WITH AN ANSI/TIA-942-B RATING OF 2 OR 3 AS IDENTIFIED IN THE OIT.

11. EXISTING BUILDINGS TO BE REVIEWED AND EVALUATED ON A CASE BY CASE BASIS FOR EXISTING FIRE PROTECTIONS SYSTEMS AND BROUGHT UP TO CURRENT STANDARD WHERE REQUIRED.

12. REPLACE CEILING TILES AT THE END OF EACH SHIFT FOR WORK AREAS OUTSIDE OF A RATED CONSTRUCTION BARRIER. IF THE TILES CANNOT BE REPLACED, THE SPRINKLER SYSTEM MAY BE CONSIDERED OUT OF SERVICE IN THESE AREAS AND 1-HOUR FIRE RATED SEPARATION WILL BE REQUIRED BETWEEN THE CONSTRUCTION AREA AND THE OCCUPIED PORTIONS OF THE BUILDING.

13. INSTALLATION OF TEMPORARY FIRESTOPPING (MINERAL WOOL) AT THE END OF THE WORK SHIFT IF ADDITIONAL CABLING WILL BE PULLED THROUGH A PENETRATION AT A LATER WORK SHIFT.

14. PROVIDE CLEAN AGENT FIRE EXTINGUISHERS FOR EACH TR NO GREATER THAN 75 FEET FROM THE REMOTE CORNER OF EACH TR, BUT NOT LOCATED WITHIN THE TR. IF NO EXISTING FIRE CABINET HAS CAPACITY OR DOES NOT MEET THE DISTANCE CRITERIA ABOVE PROVIDE A NEW FIRE CABINET AND COORDINATE CONFIRM LOCATION WITH THE STATION.

15. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.

METAL WORKS

1. ALL MILD STEEL WORKS SHOWN ON THE CONTRACT DRAWINGS/DETAILS SHALL BE PRIMED AND SHALL BE PAINTED WITH TWO COATS OF EPOXY PAINT.

2. STEEL ELEMENTS NOT SHOWN IN THE CONTRACT DRAWINGS BUT ARE DEEMED NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORKS SHALL BE GALVANIZED STEEL PRIMED & PAINTED WITH TWO COATS OF EPOXY PAINT FOR ALL INTERIOR SITUATIONS AND STAINLESS STEEL (#316) FOR ALL EXTERIOR SITUATIONS.

3. ALL WELDED STEEL JOINTS SHALL BE GRINDED SMOOTH, PRIMED & PAINTED.

4. ALL WELDING SHALL BE OF SUITABLE TYPE TO STEEL WORKS.

CODE ANALYSIS

BUILDING CLASSIFICATION:

BASIC OCCUPANCY GROUP(S):
(NFPA 101 6.1.5)
OCCUPANCY GROUP I

CONSTRUCTION TYPE:
(EXISTING)
TYPE II 222, SPRINKLERED
EXISTING CONDITIONS TO BE VERIFIED

(NEW)
TYPE II 222, SPRINKLERED

BASIC ALLOWABLE AREA:
(222 FULLY SPRINKLERED)
OCCUPANCY GROUP I-2 – UNLIMITED
ACTUAL HEIGHT
12 STORY HOSPITAL + PARTIAL BASEMENT
EXISTING CONDITIONS TO BE VERIFIED

MINIMUM FIRE RESISTIVE REQUIREMENTS:
(NFPA 222, TABLE 4.1.1)

ELEMENT	RATING
BEARING WALLS, EXTERIOR	2-HOUR
BEARING WALLS, INTERIOR	2-HOUR
NON-BEARING WALLS, INTERIOR	0-HOUR
STRUCTURAL FRAME	2-HOUR
STRUCTURAL FRAME, SUPPORTING ROOF ONLY	1-HOUR
SHAFT ENCLOSURES	2-HOUR
FLOORS	2-HOUR
ROOFS	1-HOUR
HORIZONTAL EXIT	2-HOUR
SMOKE BARRIER (COMPARTMENTS)	1-HOUR
HAZARDOUS AREA SEPARATIONS	1-HOUR
SOILED LINEN ROOMS	1-HOUR
STORAGE ROOMS > 100 SF	1-HOUR

CORRIDORS
(NFPA 101 CHAPTER 38.3.6.1)
EXCEPTION 3, WITHIN BUILDINGS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM, 1-HOUR FIRE RESISTANCE RATING IS NOT REQUIRED.
EXISTING CONDITIONS TO BE VERIFIED

MAXIMUM TRAVEL DISTANCE TO EXITS
(NFPA 101, CHAPTER 19)

TRAVEL DISTANCE	200-FEET
COMMON PATH OF TRAVEL	100-FEET
DEAD-END CORRIDOR	30-FEET

FIRE SUPPRESSION
THE FACILITY WILL BE FULLY SPRINKLERED PER NFPA 13

HANDHELD FIRE EXTINGUISHERS WILL BE INSTALLED IN EACH TR ROOM

OCCUPANT LOAD CALCULATIONS:
(PER NFPA 101, Table 7.3.1.2)

BUSINESS USE: 150 SF/OCC
INPATIENT TREATMENT DEPARTMENTS: 250 SF/OCC
SLEEPING DEPARTMENTS: 120 SF/OCC
AMBULATORY HEALTH CARE: 150 SF/OCC
UTILITY USE: 300 SF/OCC
USE 120 SF PER OCCUPANT (MOST RESTRICTIVE)
EXISTING CONDITIONS TO BE PROVIDED

EGRESS FACTORS
STAIR CAPACITY FACTOR = 0.3
DOOR CAPACITY FACTOR = 0.2

PROPOSED NEW CONSTRUCTION

NEW CONSTRUCTION (UTILITY / 300):	9556 SF
NEW OCC LOAD:	32 OCC
NEW CONSTRUCTION (CORRIDOR / 150):	1982 SF
NEW OCC LOAD:	13 OCC

EXISTING STAIR CAPACITIES TO BE PROVIDED

SMOKE COMPARTMENTS

EXISTING CONDITIONS TO BE VERIFIED

ENVELOPE
CLIMATE ZONE 4A

ASHRAE 90.1 - 2019
ASHRAE TABLE 5.5-44A
ROOF - INSULATION ABOVE DECK U-0.032 / R30
ROOF - METAL BUILDING U-0.037 / R19 + R11
WALLS - MASS U-0.014 / R9.5
WALLS - METAL BUILDING U-0.060 / R0 + R15.8
WALLS - STEEL FRAMED U.064 / R13 + R7.5
FLOORS - MASS U .057 / R14/6
FLOORS - STEEL JOIST U-0.038 / R30
FLOORS - SLAB ON GRADE UNHEATED F-0.520 / R15 FOR 24 INCHES
DOORS - OPAQUE SWINGING U-0.37
DOORS - OPAQUE NON SWINGING U-0.31

FENESTRATION

VERTICAL GLAZING - FIXED U.36
SHGC .36 (MAX) SHGC 1.1 (MIN)

VERTICAL GLAZING - OPERABLE U.45
SHGC .33 (MAX) SHGC 1.1 (MIN)

VERTICAL GLAZING - ENTRANCE DOOR U.63
SHGC .33 (MAX) SHGC 1.1 (MIN)

SKYLIGHT U .50 SHGC .40 (MAX)

Revisions: | Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: GENERAL NOTES AND CODE REQUIREMENTS
Approved:
Phase: FINAL BID DOCUMENTS
FULLY SPRINKLERED
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Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date: 06.13.2025 | Checked | Drawn
Project Number: 646-22-700
Building Number: 0
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DIAMOND ESTIMATION

HORIZONTAL CABLE STUDY
DISTANCE STUDY (DIAMOND ANALYSIS)

SEVERAL SCENARIOS REQUIRE AN ASSESSMENT TO ENSURE THAT A TELECOMMUNICATION ROOM'S UTP CABLE SEGMENTS DO NOT EXCEED 90 METERS.

- THE INSTALLATION OF A NEW TELECOMMUNICATION ROOM TO SERVE AN AREA.
- THE RELOCATION OF AN EXISTING TELECOMMUNICATION ROOM TO SERVE AN AREA.
- INSTALL NEW CABLING UPGRADES IN A TELECOMMUNICATION ROOM THAT WILL REMAIN IN PLACE TO SERVE AN AREA.
- AN EXISTING TELECOMMUNICATION ROOM THAT WILL NOT RECEIVE ANY CABLING UPGRADES.

THIS PLAN PROVIDES A THREE-DIMENSIONAL ESTIMATION APPROACH TO ENSURE THAT AN ASSESSMENT IS PERFORMED FOR EACH OF THE FOUR TELECOMMUNICATION ROOM SCENARIOS LISTED ABOVE. THIS WILL BE SHARED WITH THE FACILITY LEADS TO VERIFY THAT ALL TELECOMMUNICATION ROOMS COMPLY WITH THE SPECIFIED UTP CABLE SEGMENT 90 METERS.

STEP 1: ENSURE AN ACCURATE FLOOR PLAN THAT DEPICTS THE LOCATIONS OF THE TELECOMMUNICATION ROOMS SERVING THE FACILITY IS AVAILABLE AND DRAWING TO SCALE.

STEP 2: FROM THE CENTER OF THE TELECOMMUNICATION ROOM BEING ASSESSED PROJECT OUT LINES, 80 METERS IN LENGTH FROM THAT POINT, IN THE PLAN NORTH, SOUTH, EAST AND WEST RESPECTIVELY.

STEP 3: AT THE END EACH OF THE 80 METERS LINES CREATED, CONNECT A LINE 45 DEGREES FROM THAT POINT OUT TO THE NEXT END POINT CREATING A DIAMOND.

STEP 4: VALIDATE THAT ALL AREAS SERVED BY THAT TELECOMMUNICATION ROOM FALL WITHIN THE PARAMETERS OF THE DIAMOND OVERLAY.

NON-COMPLIANT EXAMPLE COMPLIANT EXAMPLE

GENERIC MINIMUM ASSUMPTION FOR ASSUMED SMALL DATA CENTER

GENERAL TR NOTES

FLOORS:
- STATIC DISSIPATING FLOOR TILE OR COATING.
- CONCRETE SLAB 5" THICKNESS AT GROUND WHERE APPLICABLE.

WALLS:
- GYP WALLBOARD WITH 4" METAL STUDS
- 4 FT X 8 FT AC GRADE 3/4" TRADE SIZE FIRE-RATED PLYWOOD BACKBOARD FOR SERVICE PROVIDER/SECURITY/VIDEO/ ETC. AROUND 3 PERIMETER WALLS.
- FLOOR TO CEILING HEIGHT FULL HEIGHT TO DECK AS POSSIBLE. EXCEPTIONS TO BE REVIEWED ON A CASE BY CASE BASIS.

DOORS:
- HOLLOW METAL WITH METAL FRAMES.
- KICKPLATE ON BOTH SIDES.
- IN MOST CASES, CORRIDOR CEILINGS CANNOT ACCOMMODATE A NEW 8' HEIGHT DOOR REQUIRING AN EXCEPTION FOR DOOR HEIGHT.

CEILING:
- FLOOR TO CEILING HEIGHT FULL HEIGHT TO DECK AS POSSIBLE. EXCEPTIONS TO BE REVIEWED ON A CASE BY CASE BASIS.

FIRE PROTECTION:
- COMPLY WITH THE PRESCRIPTIVE REQUIREMENTS OF NFPA 75
- PROVIDE AUTOMATIC WET-PIPE SPRINKLER SYSTEM THROUGHOUT INCLUDING ALL DEMARC ROOMS, MAIN COMPUTER ROOMS, AND TR'S.
- FUSIBLE LINK SPRINKLERS ARE PERMITTED TO BE USED IN THE COMPUTER AREA.
- PROVIDE CLEAN AGENT FIRE SUPPRESSION FOR THE MAIN COMPUTER ROOM AND BACKUP COMPUTER ROOM WHEN REQUIRED BY THE VA FIRE PROTECTION DESIGN MANUAL.
- GASEOUS SUPPRESSION SYSTEM INCLUDE TELECOMMUNICATIONS WITH AN ANSI/TIA-942-B RATING OF 2 OR 3 AS IDENTIFIED IN THE OIT.
- EXISTING BUILDINGS TO BE REVIEWED AND EVALUATED ON A CASE BY CASE BASIS FOR EXISTING FIRE PROTECTIONS SYSTEMS AND BROUGHT UP TO CURRENT STANDARD WHERE REQUIRED.
  NEW FIRE EXTINGUISHER CABINETS TO BE LOCATED AS SHOWN AND WITHIN 75' OF EACH TR CLOSET. CABINET TO INCLUDE 10-LB CLEAN AGENT FIRE EXTINGUISHER. IF A COMPLIANT FEC ALREADY EXISTS WITHIN 75', THERE IS NO NEED TO PROVIDE A SECOND AND IT SHOULD CONSTITUTE A CREDIT TO THE OWNER.
- SEE VA FIRE PROTECTION DESIGN MANUAL. 3.7E.

TR/TE REQUIRED CLEARANCE DIAGRAMS

TE CLEARANCES

NOTE: MINIMUM CLEARANCE DIMENSIONS ARE SHOWN IN BLUE.

OIT PREFERRED CLEARANCE ON SWING SIDE OF RACK ARE SHOWN IN RED.

TR CLEARANCES

NOTE: 3FT CLEARANCE MUST BE MAINTAINED ON FRONT, BACK, AND ONE SIDE OF THE TR RACK(S). WHERE 1'-0" MIN IS SHOWN, IT CAN ONLY BE USED ONCE IN ANY LAYOUT.

MINIMUM ROOM DIMENSIONS ARE SHOWN IN RED.

CONSTRUCTION SAFETY NOTES

1. CONSTRUCTION BARRIER SHALL CONSIST OF: 1-HOUR RATED GYPSUM BOARD PARTITION FROM FLOOR TO DECK. ALL PENETRATIONS THROUGH THE DUST BARRIER SHALL BE TAPED AND SEALED SO AS TO MAINTAIN A NEGATIVE AIR PRESSURE IN THE WORK AREA.. DUST BARRIER WALLS EXTENDING PERPENDICULAR TO A CORRIDOR SHALL BE BUILT AT A 45 DEGREE ANGLE IN REFERENCE TO THE CORRIDOR PATH OF EGRESS. BARRIERS SHALL BE WIPED DOWN BEFORE BEING REMOVED.
2. DIRECTIONAL SIGNS AND TEMPORARY FIRE EXIT SIGNS SHALL BE POSTED DURING ALL PHASES OF CONSTRUCTION TO DISPLAY MEANS OF EGRESS AND LIFE SAFETY INFORMATION. SIGNS SHALL BE IN PLACE AT ALL TIMES THROUGH DURATION OF CONSTRUCTION.
3. ILLUMINATED EXIT SIGNS SHALL BE RELOCATED WHEN OBSTRUCTED BY CONSTRUCTION.
4. GENERAL CONTRACTOR SHALL WORK CLOSELY WITH THE CONTRACTING OFFICER TECHNICAL REPRESENTATIVE (COR) WHEN LIFE SAFETY HAZARDS ARE PRESENT. THE COR SHALL COMMUNICATE ALL SAFETY CONCERNS TO THE SAFETY OFFICE.
5. GENERAL CONTRACTOR SHALL KEEP DUST CONTAINMENT BARRIER PRESSURE AT -.01 TO -.04 AT ALL TIMES. HVAC EXHAUST, RETURN AND SUPPLY DUCTS SHALL BE COVERED AND SEALED DURING DEMOLITION DURING CONSTRUCTION.
6. GENERAL CONTRACTOR SHALL INSPECT THE INTEGRITY OF THE DUST CONTAINMENT BARRIER AND SHALL REPAIR AS REQUIRED. DUST CONTAINMENT BARRIER INTEGRITY SHALL BE MAINTAINED FROM FINISH FLOOR UP THROUGH THE INTERSTITIAL SPACE TO THE UPPER DECKING FOR THE CONSTRUCTION FLOOR.
7. WORK SITE SHALL BE SECURED BY LOCK AT ALL TIMES.
8. FLOOR MATS AND STICKY MATS SHALL BE LOCATED AT THE ENTRANCE TO THE CONSTRUCTION AREA AND BE REPLACED WHEN THEY ARE APPROXIMATELY 75-PERCENT USED.
9. GOOD HOUSEKEEPING, TRASH AND DEBRIS SHALL BE PROMPTLY REMOVE, AT LEAST ONCE A DAY.
10. HAZARDOUS MATERIALS SHALL BE STORED APPROPRIATELY.
11. ALL MATERIALS SAFETY AND DATA SHEETS (MSDS) SHALL BE POSTED AT THE CONSTRUCTION AREA.
12. INFECTION CONTROL RISK ASSESSMENT (ICRA) SHALL BE POST AT THE CONSTRUCTION AREA.
13. SMOKING, MUSIC, AND PROFANITY REGULATIONS SHALL BE FOLLOWED.
14. FIRE EXTINGUISHERS SHALL BE READILY AVAILABLE AND CURRENTLY INSPECTED IN THE CONSTRUCTION AREA.
15. HOT WORK PERMITS SHALL BE ISSUED WHEN NECESSARY.
16. SUB-CONTRACTORS SHALL BE AWARE OF AND TRAINED IN SAFETY AND ENVIRONMENTAL ISSUES.
17. EXTENSION CORDS SHALL BE PROTECTED AND DISCONNECTED AT THE END OF EACH DAY.
18. MEANS OF EGRESS SHALL BE CLEARLY DESIGNATED IN BOTH CONSTRUCTION AND ADJACENT AREAS. ACCESS FOR THE FIRE DEPARTMENT AND EMERGENCY SERVICES SHALL BE CLEAR. STATUS OF THE FIRE DETECTION AND SPRINKLER SHALL BE:

    A. FIRE SPRINKLER SYSTEM IS ACTIVE
    B. FIRE ALARM SYSTEM IS ACTIVE
    C. SMOKE DETECTORS ARE ACTIVE
    D. TEMPORARY SYSTEMS ARE IN PLACE
19. **THE WORK IS REQUIRED TO ADHERE TO GUIDANCE IN THE "VA PITTSBURGH HEALTHCARE SYSTEM (VAPHS) MEDICAL CENTER REQUIREMENTS." REVIEW FOR FURTHER GUIDANCE REGARDING SITE ENGAGEMENT REQUIREMENTS.**

INFECTION CONTROL NOTES

1. ALL CONTRACTORS AND COR SHALL ATTEND THE INFECTION PREVENTION TRAINING, BIANNUALLY AND CANNOT BE ON SITE WITHOUT A CURRENT VA HOSPITAL ISSUED SECURITY-SAFETY BADGE.
2. THE INFECTION PREVENTION OFFICE SHALL BE NOTIFIED OF ALL PRE-CONSTRUCTION MEETINGS.
3. THE INFECTION PREVENTION OFFICE SHALL BE NOTIFIED OF ALL WASTE SHUT-OFF OR INTERRUPTIONS.
4. THE INFECTION PREVENTION OFFICE SHALL BE NOTIFIED IF THE HVAC SYSTEM IS INTERRUPTED IN AREAS THAT AFFECTS PATIENT CARE.
5. THE INFECTION PREVENTION OFFICE SHALL BE NOTIFIED OF ANY OF ANY ANTICIPATED ALTERATIONS TO THE ACCESS ROUTES USED DURING CONSTRUCTION ACTIVITIES.
6. INFECTION CONTROL RISK ASSESSMENT (ICRA) SHALL BE WRITTEN AND AMENDED INTO THE CONTRACT AND SPECIFICATIONS FOR THE CONSTRUCTION PROJECT TO PREVENT COST DISCREPANCIES.
7. GENERAL CONTRACTOR SHALL CLEAN THE WHEELS AND OUTSIDE OF ALL CARTS AND EQUIPMENT GOING IN AND OUT OF THE CONSTRUCTION AREA.
8. GENERAL CONTRACTOR SHALL WET MOP HEAVY TRAFFIC AREAS AT LEAST TWO (2) TIMES A DAY OR MORE IF THE SITE HAS AN ICRA CLASS OF 3 OR 4, OR IF THE AREA HAS A HIGH VOLUME OF DUST. WATER SHALL BE CHANGED DAILY. DO NOT LEAVE WATER STANDING OVERNIGHT.
9. CONTRACTORS SHALL WEAR DUPONT TYVEK COVERALLS, OR EQUIVALENT OVER CLOTHING AND SHOE COVERS IN MODERATE TO HIGH DUST AREAS TO PREVENT CONTAMINATION OF THE CLOTHING OF MEDICAL CENTER STAFF AND PATIENTS AND TRACKING DUST AND DIRT INTO THE EXISTING SURROUNDING AREA. COVERALLS SHALL BE REMOVED BEFORE LEAVING THE CONSTRUCTION AREA.
10. ALL ICRA CLASS 4 PROJECT SITES MUST HAVE AN ANTE ROOM TO MAINTAIN NEGATIVE AIR FLOW AND BE LARGE ENOUGH TO REMOVE COVERALLS AND HAVE A TRASH CONTAINER.
11. AIR FILTRATION DEVICES WITH HEPA FILTERS SHALL BE USED ON SITE FOR SMALL CLEAN UPS IN PATIENT CARE AREAS THAT HAVE AN ICRA CLASS OF 1 OR 2. **REFERENCE LOCAL REQUIREMENTS FOR ADDITIONAL GUIDANCE.**
12. ALL BUILDINGS WILL REMAIN OPERATIONAL 24 HOURS A DAY, 7 DAYS A WEEK. THE CONTRACTOR SHALL ENSURE THAT A PATH OF TRAVEL BETWEEN BUILDINGS IS MAINTAINED AT ALL TIMES.
13. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A COMPLETE ACCESS PATH / ROUTE FROM THE PROPOSED CONSTRUCTION STAGING AREA ON SITE TO THE ARE OF WORK WITHIN EACH BUILDING.
14. THE CONTRACTOR MAY USE ELEVATORS COORDINATED AND ASSIGNED BY THE COR AND STAIRS TO TRANSPORT EQUIPMENT AND MATERIALS INTO AND OUT OF THE WORK AREA.
15. UPON COMPLETION OF WORK, REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREAD OF DIRT AND DEBRIS ASSOCIATED WITH THE CONSTRUCTION. DO NOT REMOVE FINAL CONSTRUCTION BARRIERS UNTIL COMPLETED PROJECT IS INSPECTED AND APPROVED BY THE COR.
16. THE WORK AREAS ARE TO BE KEPT CLEAN, CLEAR AND FREE OF DEBRIS. CONSTRUCTION MATERIALS AND PARTIALLY INSTALLED WORK CANNOT INTERFERE WITH THE FACILITY OPERATIONS OR CREATE A SAFETY HAZARD.
17. COMPLETE ALL CRITICAL CONSTRUCTION BARRIERS BEFORE DEMOLITION / CONSTRUCTION WORK BEGINS. COR AND INFECTION CONTROL DEPARTMENT SHALL INSPECT INFECTION CONTROL BARRIERS BEFORE DEMOLITION BEGINS.
18. SEAL ALL EXISTING UNUSED DOORS TO PREVENT THE GENERAL PUBLIC FROM ENTERING THE DEMOLITION /CONSTRUCTION AREAS.
19. IF EXISTING LIFE SAFETY SYSTEM IS SHUT OFF FOR CONSTRUCTION, THE CONTRACTOR IS TO PROVIDE A 24 HOUR FIRE WATCH UNTIL THE SYSTEM IS BACK ON LINE. COORDINATE WITH COR AND LOCAL SAFETY.
20. **THE WORK IS REQUIRED TO ADHERE TO GUIDANCE IN THE "VA PITTSBURGH HEALTHCARE SYSTEM (VAPHS) MEDICAL CENTER REQUIREMENTS." REVIEW FOR FURTHER GUIDANCE REGARDING SITE ENGAGEMENT REQUIREMENTS.**

SEQUENCING NOTES

1. ALL CONSTRUCTION SEQUENCING SHALL BE COORDINATED WITH THE VA FOR WORK RELATED TIMES FOR DAY, NIGHT AND WEEKEND WORK. CONTRACTOR SHALL COORDINATE WITH VA AHJ FOR CODE AND LIFE SAFETY RELATED MEASURES ASSOCIATED WITH PHASING OF DEMOLITION AND CONSTRUCTION WORK TO MAINTAIN LIFE SAFETY MEASURES.
2. REFER TO TELECOMMUNICATION DRAWINGS FOR SPECIFIC PHASING REQUIREMENTS WITHIN THE TRs.
3. THE FOLLOWING CONSTRUCTION SEQUENCING DESCRIPTION HAS BEEN INCORPORATED INTO THE PROPOSED CONSTRUCTION SCHEDULE AND PHASING FOR USE IN PREPARING THE CONSTRUCTION COST ESTIMATE. THE SEQUENCING HAS BEEN ORGANIZED BY BUILDING WITH THE ASSUMPTION THAT THE WORK IN THE FOLLOWING CATEGORIES MAY BE COMPLETED IN PARALLEL AND ARE PRESENTED IN NUMERICAL ORDER AND NOT IN ORDER OF NEED.
4. THE WORK TASKS AND PROPOSED ORDER OF PRIORITY HAVE BEEN ORGANIZED AS FOLLOWS:
    A. COORDINATE SCHEDULING AND HOURS OF WORK WITH FACILITIES AND OIT PERSONNEL. SOME WORK MAY NEED TO BE PERFORMED AFTER NORMAL WORKING HOURS AND/OR ON WEEKENDS. PROVIDE 14 CALENDAR DAYS ADVANCE NOTICE WHENEVER POSSIBLE.
    B. CONTRACTOR SHALL DO NO MORE THAN 3-TELECOM ROOMS AT A TIME UNLESS APPROVAL FROM VA. CONTRACTOR SHALL COMPLETE EACH TELECOM SCOPE WITHIN 10-CALENDAR DAYS OR RECEIVE APPROVAL FROM VA TO EXTEND CONSTRUCTION TIMELINE.
5. TELECOM ROOMS - TYPICAL PHASING:
    A. TELECOM ROOM THAT WILL REMAIN IN USE:
        a. IF WALLS CONTAIN LEAD PAINT OR ASBESTOS CONTAINING MATERIAL IS INDICATED, REFER TO SPECIFICATION SECTIONS 02 82 11 AND 02 82 13.19 FOR LOCATION AND PROCEDURES.
        b. REMOVE EXISTING CEILING SYSTEM (IF ROOM HAS CEILING) AND ASSOCIATED ITEMS. PROVIDE TEMPORARY LIGHTING AS NEEDED.
        c. REMOVE EXISTING FLOORING (IF REQUIRED) AND IF FLOORING IS HAZARDOUS, REFER TO SPECIFICATION SECTIONS 02 82 11 AND 02 82 13.19 FOR LOCATION AND PROCEDURES.
        d. REFERENCE DISCIPLINE DRAWINGS FOR EXTENTS OF ARCHITECTURAL, MEP, AND TELECOM WORK PER EACH ROOM. IT IS ANTICIPATED THIS WORK CAN BE DONE DURING NORMAL BUSINESS HOURS, BUT CONTRACTOR NEEDS TO COORDINATE WITH VA COR FOR SCHEDULING.
        e. ONCE ANY ARCHITECTURAL AND MECHANICAL WORK IS COMPLETE INSTALL NEW CABLING AND CABLING RUNWAY INTO TELECOM ROOMS.
        f. ONCE CABLING TO EXISTING AND NEW CABLE JACKS HAS BEEN INSTALLED, CONTRACTOR TO COORDINATE CUTOVER (CUTOVER BY VA OIT) WITH VA OIT.
        g. WORK WILL NEED TO BE COORDINATED WITH VA FOR ROOMS THAT CAN BE DONE DURING NORMAL AND NIGHT HOURS.
        h. PROVIDE NEW CIRCUITING IN ROOMS WHERE NONE EXIST AND IN ROOMS WHERE EXISTING CIRCUITS WILL BE REMOVED. REFERENCE ELECTRICAL DRAWINGS FOR EXTENTS OF ELECTRICAL WORK PER EACH ROOM.
        i. NEW POWER TO BE INSTALLED FROM EXISTING PANEL TO NEW CIRCUITS IN TELECOM ROOM. COORDINATE INSTALLATION WITH VA COR DUE TO POSSIBLE DOWNTIME OF VA END USERS. THIS WORK IS ANTICIPATED TO OCCUR AT NIGHTS OR OVER THE WEEKENDS.
        j. WHERE NEW PLYWOOD IS INDICATED IF (E) PLYWOOD IS NOT FIRE RATED (N) PLYWOOD WILL BE REQUIRED. GC TO REVIEW AND ACCOMMODATE TEMP RELOCATION OF (E) UTLITY TO REMAIN IN PLACE AND REINSTALL TO ORIGINAL LOCATION.
        k. GC TO NOTE CONFLICTS EXPERIENCED WHERE WALLS CANNOT MEET UNDERSIDE OF DECK. PREVIEW OF SCOPE AREAS AND NOTES ARE REQUIRED AT BID.
6. **THE WORK IS REQUIRED TO ADHERE TO GUIDANCE IN THE "VA PITTSBURGH HEALTHCARE SYSTEM (VAPHS) MEDICAL CENTER REQUIREMENTS." REVIEW FOR FURTHER GUIDANCE REGARDING SITE ENGAGEMENT REQUIREMENTS.**

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

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Issue Date	06.13.2025
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Drawn	
Project Number	646-22-700
Building Number	0
Drawing Number	00-GI004
	SHEET 5 of 797

ABBREVIATIONS

Abbreviation	Meaning
A LABEL	CLASS A DOOR
A/C	AIR CONDITION
A/C	UNIT AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AAMA	AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION
AB	ANCHOR BOLT
ABAN	ABANDONED
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT OR ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
ACS DR	ACCESS DOOR
ACS FLR	ACCESS FLOOR
ACS PNL	ACCESS PANEL
ACST	ACOUSTIC
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADC	AUTOMATIC DOOR CLOSER
ADDL	ADDITIONAL
ADDN	ADDITION
ADH	ADHESIVE
ADJ	ADJACENT, ADJOINING, OR ADJUSTABLE
ADMIN	ADMINISTRATION
ADB	AUTOMATIC DOOR BOTTOM
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGA	AMERICAN GAS ASSOCIATION
AGC	ASSOCIATED GENERAL CONTRACTORS
AGGR	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
AHR	ANCHOR
AHU	AIR HANDLING UNIT
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALT NO	ALTERNATE NUMBER
ALUM	ALUMINUM
AMP	AMPERE
AMT	AMOUNT
ANOD	ANODIZE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ANT	ANTENNA
APA	AMERICAN PLYWOOD ASSOCIATION
APPD	APPROVED
APPROX	APPROXIMATE
APT	APARTMENT
AR	AS REQUIRED
ARCH	ARCHITECT
ASB	ASBESTOS
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTION
ASKLR	AUTOMATIC SPRINKLER
ASPH	ASPHALT
ASSN	ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCH	ATTACHMENT
ATM	AUTOMATIC TELLER MACHINE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AVE	AVENUE
AVG	AVERAGE
AW	ACID WASTE
AWI	ARCHITECTURAL WOODWORKING INSTITUTE
AWPA	AMERICAN WOOD PRESERVERS' ASSOCIATION
AWS	AMERICAN WELDING SOCIETY
AWT	ACOUSTICAL WALL TREATMENT
B LABEL	CLASS B DOOR
B PL	BASE PLATE
BALC	BALCONY
BAT	BATTEN
BB	BULLETIN BOARD
BD	BOARD
BD FT	BOARD FEET (FOOT)
BEV	BEVEL
BHMA	BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION
BI FLD DR	BIFOLDING DOORS
BITUM	BITUMINOUS
BKG	BACKING
BLD	BUILD
BLDG	BUILDING
BLKT	BLANKET
BLVD	BOULEVARD
BM	BEAM OR BENCHMARK
BOT	BOTTOM
BR	BEDROOM
BRCG	BRACING
BRDG	BRIDGING
BRDG JST	BRIDGING JOIST
BRG	BEARING
BRG PL	BEARING PLATE
BRKT	BRACKET
BRZ	BRONZE
BSMT	BASEMENT
BTWN	BETWEEN
BU	BUSHEL
BUR	BUILT-UP ROOFING
C	CELSIUS CHANNEL
C	CHANNEL CELSIUS
C CONC	CAST CONCRETE
C LABEL	CLASS C DOOR
C TO C	CENTER TO CENTER
CAB	CABINET
CAC	CEILING ATTENUATION CLASS
CB	CATCH BASIN OR CORNER BEAD
CBB	CEMENTITIOUS (BACKER) BOARD
CC	CUBIC CENTIMETER
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTERCLOCKWISE
CD	CONSTRUCTION DOCUMENTS OR CONTRACT DOCUMENTS
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CER	CERAMIC
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFLG	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET PER SECOND
CG	CENTER OF GRAVITY OR CORNER GUARD
CGSFU	CERAMIC GLAZED STRUCTURAL FACING UNITS
CH BD	CHALKBOARD
CHEM	CHEMICAL
CHFR	CHAMFER
CHK	CHECK
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCULAR
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CL	CENTER LINE
CLDG	CLADDING
CLG	CEILING
CLG HT	CEILING HEIGHT
CLR	CLEAR
cm^2	SQUARE CENTIMETER
cm^3	CUBIC CENTIMETER
CM	CONSTRUCTION MANAGEMENT
CMU	CONCRETE MASONRY UNIT
CNR	CORNER
CNTR	COUNTER
CO	CARBON MONOXIDE, CERTIFICATE OF OCCUPANCY, CLEANOUT, OR COMPANY
CO_2	CARBON DIOXIDE
COL	COLUMN
COM	COMMON
COMB	COMBINATION, COMBINED
COMM	COMMUNICATION
COMP	COMPONENT
CONC	CONCRETE
CONC FLR	CONCRETE FLOOR
COND	CONDENSER OR CONDITION
CONF	CONFERENCE
CONN	CONNECT
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPM	CRITICAL PATH METHOD
CPRS	COMPRESSIBLE
CPT	CARPET
CRS	COLD ROLLED STEEL
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CSB	CONCRETE SPLASH BLOCK
CSG	CASING
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CSK	COUNTER SUNK
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTG	COATING
CTR	CENTER CONTOUR
CTRL	CONTROL
CTV	CABLE TELEVISION
CU	COPPER C
CU FT	CUBIC FEET
CU IN	CUBIC INCH
CU YD	CUBIC YARD
CURT	CURTAIN
CYL	CYLINDER
CYL L	CYLINDER LOCK
D	DEPTH OR PENNY (NAIL)
D LABEL	CLASS D DOOR
DAT	DATUM
DB	DECIBEL
DBL	DOUBLE
DBL GLZ	DOUBLE GLAZE
DC	DIRECT CURRENT
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL DIAGRAM
DIAG	DIAGRAM DIAGONAL
DIFF	DIFFERENCE OR DIFFUSER
DIM	DIMENSION
DIR	DIRECTION
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVIDE OR DIVISION
DL	DEAD LOAD
DOC	DOCUMENT
DOUG FIR	DOUGLAS FIR
DOZ	DOZEN
DR	DOOR, DRAIN, DRESSING ROOM, OR DRIVE
DR CL	DOOR CLOSER
DR FR	DOOR FRAME
DR OPNG	DOOR OPENING
DS	DOWNSPOUT
DSGN	DESIGN
DW	DISHWASHER
DWG	DRAWING
DWTR	DUMBWAITER
E	EAST
(E)	EXISTING
E LABEL	CLASS E DOOR
EA	EACH
EFF	EFFICIENCY
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC
ELEC DR OP	ELECTRIC DOOR OPENER
ELEV	ELEVATOR
EMER	EMERGENCY
EMER SHR	EMERGENCY SHOWER
ENCL	ENCLOSURE
ENGR	ENGINEER
ENVIR	ENVIRONMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPO	EMERGENCY POWER OFF
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ERD	EXISTING ROOF DRAIN
ESC	ESCAPE OR ESCUTCHEON
ESCAL	ESCALATOR
ESMT	EASEMENT
ESP	ESPECIALLY
EST	ESTIMATE
ETC	AND SO FORTH OR ET CETERA
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWS	EYE WASH STATION
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION OR EXPOSED
EXP BT	EXPANSION BOLT
EXST GR	EXISTING GRADE
EXT	EXTERIOR, EXTERNAL, OR EXTINGUISHER
EXT GR	EXTERIOR GRADE
F	FAHRENHEIT OR FEMALE
FA	FIRE ALARM
FAB	FABRIC
FAC	FACTOR
FACIL	FACILITY
FAS	FASCIA
FAS BD	FASCIA BOARD
FCO	FLOOR CLEANOUT
FCTY	FACTORY
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FACE
FF EL	FINISH FLOOR ELEVATION
FF&E	FURNITURE, FIXTURE, AND EQUIPMENT
FH	FLAT HEAD OR FLAT HEAD SCREWS
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHP	FULL HEIGHT PARTITION
FHWS	FLAT HEAD WOOD SCREW
FIG	FIGURE
FIL	FILLET
FIN	FINISH
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FIN WD	FINISH WOOD
FIXT	FIXTURE
FL	FLOORLINE
FLASH	FLASHING
FLDG	FOLDING
FLEX	FLEXIBLE
FLG	FLOORING
FLR	FLOOR
FLR FIN	FLOOR FINISH
FLR SK	FLOOR SINK
FLUOR	FLUORESCENT
FLUOR	FIX FLUORESCENT FIXTURE
FM	FACTORY MUTUAL
FM-G	FACTORY MUTUAL GLOBAL
FO	FINISHED OPENING
FOC	FACE OF CONCRETE OR FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB OR FACE OF STUD
FOUNT	FOUNTAIN
FOW	FACE OF WALL
FP	FIRE PROTECTION OR FIREPROOF
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FR	FIRE RATING, FIRE RESISTANT, OR FRAME
FR SNK	FLUSHING RIM SINK
FREQ	FREQUENCY
FRMG	FRAMING
FRP	FIBER REINFORCED POLYESTER OR FIBERGLASS REINFORCED PLASTIC
FRZ	FREEZER
FS	FEDERAL SPECIFICATION
FSTNR	FASTENER
FT	FEET OR FOOT
FTG	FOOTING
FURG	FURRING
FURN	FURNISH OR FURNITURE
FUT	FUTURE
FWC	FABRIC WALLCOVERING
GA	GAGE OR GYPSUM ASSOCIATION
GAL	GALLON
GALV	GALVANIC OR GALVANIZED
GALV STL	GALVANIZED STEEL
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GD	GUARD
GDR	GUARD RAIL
GEN	GENERAL OR GENERATOR
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GFRP	GLASS-FIBER-REINFORCED PLASTIC
GI	GALVANIZED IRON
GL	GLASS
GL BLK	GLASS BLOCK
GLU	LAM GLUED LAMINATED WOOD
GR FL	GROUND FLOOR
GRAN	GRANITE
GRTG	GRATING
GSB	GYPSUM SHEATHING BOARD
GSM	GALVANIZED SHEET METAL
GSU	GLAZED STRUCTURAL UNIT
GT	GROUT
GUAR	GUARANTEE
GUT	GUTTER
GYP	GYPSUM
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
H	HIGH
H PLAM	HIGH PRESSURE PLASTIC LAMINATE
HAZ MAT	HAZARDOUS MATERIALS
HB	HOSE BIBB
HC	HOLLOW CORE
HCWD	HOLLOW CORE WOOD DOOR
HDBD	HARDBOARD
HDNR	HARDENER
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HEX	HEXAGON
HF	HIGH FREQUENCY
HGR	HANGER
HM	HECTOMETER
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HNDRL	HANDRAIL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HOSP	HOSPITAL
HP	HIGH PRESSURE OR HORSEPOWER
HQ	HEADQUARTERS
HS	HEAT-STRENGTHENED (GLASS) OR HIGH STRENGTH
HSE	HOUSE
HSKPG	HOUSEKEEPING
HST	HOIST
HT	HEIGHT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HVY	HEAVY
HW	HOT WATER
HYD	HYDRANT
HYDR	HYDRAULIC
I	INTERSTATE (HIGHWAY) OR MOMENT OF INERTIA
IAQ	INDOOR AIR QUALITY
IBC	INTERNATIONAL BUILDING CODE
ID	IDENTIFICATION, INSIDE DIAMETER, OR INTERIOR DESIGN
ID NO	IDENTIFICATION NUMBER
ILLUM	ILLUMINATION
INCL	INCLUDED
IND	INDEPENDENT OR INDUSTRIAL
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERCOM	INTERCOMMUNICATION
INTL	INTERNATIONAL
IRMA	INVERTED ROOF MEMBRANE ASSEMBLY
IWH	INSTANTANEOUS WATER HEATER
JAN	JANITOR
J-BOX	JUNCTION BOX
KD	KILN DRIED OR KNOCKED DOWN
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	ANGLE
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAU	LAUNDRY
LAV	LAVATORY
LBR	LUMBER
LBS	POUND
LD BRG	LOAD-BEARING
LDR	LEADER
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LHR	LEFT HAND REVERSE, LATENT HEAT RATIO
LIB	LIBRARY
LIN	LINEAR
LINO	LINOLEUM
LIQ	LIQUID
LKR	LOCKER
LKR	RM LOCKER ROOM
LKWASH	LOCKWASHER
LL	LEAD LINED
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMST	LIMESTONE
LNDSCP	LANDSCAPE
LR	LIVING ROOM
LRG	LARGE
LRV	LOUVERED ROOF VENT
LS	LUMP SUM
LT	LIGHT
LT GA	LIGHT GAGE
LT WT	LIGHTWEIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LVD	LOUVERED
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
LWIC	LIGHTWEIGHT INSULATING CONCRETE
LYR	LAYER
MACH	MACHINE
MACH RM	MACHINE ROOM
MAINT	MAINTENANCE
MAN	MANUAL
MATL	MATERIAL
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MB	MACHINE BOLT
MCB	METAL CORNER BEAD
MD	DECK
ME	MECHANICAL ENGINEER
MEAS	MEASURE
MECH	MECHANICAL
MECH RM	MECHANICAL ROOM
MED	MEDICAL MEDIUM
MED	MEDIUM MEDICAL
MEK	METHYL ETHYL KETONE
MEL	MELAMINE
MEMB	MEMBRANE
MEMO	MEMORANDUM
MEZZ	MEZZANINE
MF	MILL FINISH
MFD	MANUFACTURED
MFG	MANUFACTURING
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATION
MGT	MANAGEMENT
MH	MANHOLE
MIC	MICROPHONE
MID	MIDDLE
MIL STD	MILITARY STANDARD
MIN	MINIMUM MINUTE
MIN	MINUTE MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MIT	MITER
MKR	MARKER
ML	METAL LATH
MLDG	MOLDING (MOULDING)
MLWK	MILLWORK
mm	MILLIMETER
MO	MASONRY OPENING OR MOTOR OPERATED
MOD	MODEL, MODIFY OR MODULE
MOD BIT	MODIFIED BITUMEN
MON	MONITOR
MOPR	MOP RACK
MR	MOISTURE RESISTANT
MS	MACHINE SCREW OR MOP SINK
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MW	MICROWAVE
MWP	MEMBRANE WATERPROOFING
N	NORTH
(N)	NEW
NA	NOT APPLICABLE
NAAMM	NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS
NAT	NATURAL
NATL	NATIONAL
NC	NOISE CRITERIA
NCOMBL	NONCOMBUSTIBLE
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
NRP	NONREMOVABLE
NS	NARROW STILE
NUM	NUMERAL
O/O	OUT TO OUT
O	OXYGEN
OA	OUTSIDE AIR OR OVERALL
OC	ON CENTER
OCC	OCCUPY
OCT	OCTAGON
OD	OUTSIDE DIAMETER OUTSIDE DIMENSION
OD	OUTSIDE DIMENSION OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OF/OI	OWNER FURNISHED/OWNER INSTALLED
OH	OVERHANG
OH DR	OVERHEAD (COILING) DOOR
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPR	OPERABLE
OPT	OPTIONAL
OR	OPERATING ROOM OR OUTSIDE RADIUS
ORD	ORDNANCE OR OVERFLOW ROOF DRAIN
ORG	ORGANIC
ORIG	ORIGINAL
ORN	ORNAMENTAL
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINSTRATION
OUT	OUTLET
OZ	OUNCE
PAR	PARALLEL OR PARAPET
PARA	PARAGRAPH
PART	PARTIAL
PAT	PATTERN
PB	PUSHBUTTON
PBD	PARTICLEBOARD
PC	PIECE, POLYCARBONATE OR PORTLAND CEMENT
PCA	PORTLAND CEMENT ASSOCIATION
PCC	PRECAST CONCRETE
PCCP	CONCRETE PAVEMENT
PCD	PAPER CUP DISPENSER
PCF	POUNDS PER CUBIC FOOT
PCP	PORTLAND CEMENT PLASTER
PED	PEDESTAL
PEN	PENETRATE
PEND	PENDANT
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PGBD	PEGBOARD
PHAR	PHARMACY
PHOTO	PHOTOGRAPH
PHS	PHILLIPS HEAD SCREW
PKG	PACKAGE
PL	PROPERTY LINE
PL GL	PLATE GLASS
PLAM	PLASTIC LAMINATE
PLAS	PLASTER OR PLASTIC
PLBG	PLUMBING
PLYWD	PLYWOOD
PMTL	PAINTED METAL
PNEU	PNEUMATIC
PNL	PANEL
PO	POST OFFICE PURCHASE ORDER
PO	PURCHASE ORDER POST OFFICE
POLY	POLYETHYLENE (PLASTIC) PR PAIR
PRCST	PRECAST
PREFAB	PREFABRICATE
PREFIN	PREFINISH
PRELIM	PRELIMINARY
PREP	PREPARATION
PRESS	PRESSURE
PREV	PREVIOUS
PRKG	PARKING
PRMLD	PREMOLDED
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, PNEUMATIC TUBE, OR PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE (PLASTIC)
PVG	PAVING
PWR	POWER
QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
QRY	QUARRY
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTF	QUARRY TILE FLOOR
QTR	QUARTER
QTY	QUANTITY
QUAD	QUADRANT
QUAL	QUALITY
R	RADIUS OR RISER
RA	RETURN AIR
RAD	RADIATOR
RB	RESILIENT BASE OR RUBBER BASE
RB HK	ROBE HOOK
RBM	REINFORCED BRICK MASONRY
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RCVR	RECEIVER
RD	ROAD OR ROOF DRAIN
REC	RECESSED
RECD	RECEIVED
RECPT	RECEPTACLE
RECT	RECTANGLE
REF	REFERENCE OR REFRIGERATOR
REFR	REFRACTORY REFRIGERATION
REFR	REFRIGERATION REFRACTORY
REG	REGISTER
REINF	REINFORCE
REP	REPAIR
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISION
RF	RADIO FREQUENCY
RFG	ROOFING
RFI	REQUEST FOR INFORMATION
RFP	REQUEST FOR PROPOSAL
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RS	ROUGH SAWN
RT	RIGHT
RV	ROOF VENT
RVS	REVERSE
RWD	REDWOOD
RWL	RAIN WATER LEADER
SA	SUPPLY AIR
SALV	SALVAGE
SAMP	SAMPLE
SAN	SANITARY
SAT	SUSPENDED ACOUSTICAL TILE
SATC	SUSPENDED ACOUSTICAL TILE CEILING
SB	SPLASH BLOCK
SBS	STYRENE BUTADIEN STYRENE
SBSTR	SUBSTRATE
SC	SHADING COEFFICIENT OR SOLID CORE
SCH	SCHOOL
SCHED	SCHEDULE
SCHEM	SCHEMATIC
SCP	SCUPPER
SCRN	SCREEN
SCT	STRUCTURAL CLAY TILE
SCWD	SOLID CORE WOOD DOOR
SD	SHOP DRAWINGS, SMOKE DETECTOR, OR SOAP DISPENSER
SDG	SIDING
SECT	SECTION
SEG	SEGMENT
SEL	SELECT
SEP	SEPARATE
SF	SQUARE FOOT (FEET)
SFTWD	SOFTWOOD
SGD	SLIDING GLASS DOOR
SGL	SINGLE
SHR	SHOWER
SHR HD	SHOWER HEAD
SHRD	SHOWER DRAIN
SHT	SHEET
SHT MTL	FLASH SHEET METAL (FLASHING)
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SJ	SCORED JOINT
SJI	STEEL JOIST INSTITUTE
SK	SKETCH
SKLT	SKYLIGHT
SLD	WDW HORIZONTAL SLIDING WINDOW
SLDG	SLIDING
SLNT	SEALANT
SM	SHEET METAL
SMK	SMOKE
SND	SANITARY NAPKIN DISPENSER
SND INS	SOUND INSULATION
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SPLY	SUPPLY
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SANITARY SEWER OR SERVICE SINK
SST	STAINLESS STEEL
ST	STAIRS OR STREET
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STL JST	STEEL JOIST
STL LNTL	STEEL LINTEL
STL PL	STEEL PLATE
STL RF DK	STEEL ROOF DECK
STL TB	STEEL TUBE
STL TR	STEEL TRUSS
STNLS	STAINLESS
STOR	STORAGE
STR	STRINGERS
STRUCT	STRUCTURAL
STRUCT STL	STRUCTURAL STEEL
SUB	SUBSTITUTE
SURF	SURFACE
SUSP	SUSPEND
SUSP CLG	SUSPENDED CEILING
SV	SHEET VINYL
SW	SWITCH
SWDR	SWING DOOR
SYM	SYMBOL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TREAD
T&G	TONGUE AND GROOVE
T&M	TIME AND MATERIALS
TB	THROUGH BOLT OR TOWEL BAR
TCA	TILE COUNCIL OF AMERICA
TCP	TELEPHONE CONTROL PANEL TEMPERATURE CONTROL PANEL; TRAFFIC CONTROL PLAN
TD	TOWEL DISPENSER
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE OR TEMPORARY
TER	TERRAZZO
THD	THREAD
THERM	THERMAL
THK	THICKNESS
THRES	THRESHOLD
THRU	THROUGH
THRUOUT	THROUGHOUT
TK BD	TACKBOARD
TMPD	TEMPERED
TMPD GL	TEMPERED GLASS
TN	TRUE NORTH
TO	TOP OF ___
TO FDN	TOP OF FOUNDATION
TOB	TOP OF BEAM
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPH	TOILET PAPER HOLDER
TR	TELECOM ROOM
TRANS	TRANSOM
TRANS WD FIN	TRANSPARENT WOOD FINISH
TRTD	TREATED
TS	TENSILE STRENGTH OR TUBE STEEL
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL
U	HEAT TRANSFER COEFFICIENT
UC	UNDERCUT
UCD	UNDERCUT DOOR
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
ULT	ULTIMATE
UNFIN	UNFINISH
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UR	URINAL
UTIL	UTILITY
UV	ULTRAVIOLET
V	VOLT
VAC	VACUUM
VAR	VARIES
VCT	VINYL COMPOSITION OR VITRIFIED CLAY TILE
VEH	VEHICLE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VFAT	VINYL FACED ACOUSTICAL TILE
VIC	VICINITY
VID	VIDEO
VIF	VERIFY IN FIELD
VNR	VENEER
VOC	VOLATILE ORGANIC COMPOUND
VOL	VOLUME
VOLT	VOLTAGE
VP	VENEER PLASTER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
VWF	VINYL WALL FABRIC
W	WIDE OR WEST
W/	WITH
W/O	WITHOUT
WARR	WARRANTY
WBL	WOOD BLOCKING
WC	WALL COVERING OR WATER CLOSET
WC WL HNG	WATER CLOSET, WALL HUNG
WCHR	WATER CHILLER
WCL WL MTD	WATER COOLER, WALL HUNG
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WFAB	WALL FABRIC
WFR	WOOD FRAME
WFS	WOOD FURRING STRIPS
WH	WATER HEATER
WHSE	WAREHOUSE
WLD	WELDED
WM	WIRE MESH
WP	WATERPROOFING
WPD	WATER PRESSURE DROP
WPM	WATERPROOF MEMBRANE
WR	WEATHER RESISTANT
WS	WEATHERSTRIP
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
X BRACE	CROSS BRACE
XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)
YD	YARD
YR	YEAR

SYMBOLS

- CENTER LINE
- ELEVATION INDICATOR
- CENTER LINE INDICATOR
- FEATURES ABOVE LINE INDICATOR
- HIDDEN FEATURES LINE
- NEW CONSTRUCTION LINE
- PROPERTY LINE
- PLAN MATCHLINE WHERE OCCURS
- BREAK, ROUND
- BREAK, STRAIGHT
- DETAIL INDICATOR
- DETAIL/CALLOUT PLAN INDICATOR
- DIMENSION LINE, TO CENTER OF
- DIMENSION LINE
- DOOR OPENING
- ELEVATION INDICATOR
- ELEVATION INDICATOR, MULTIPLE VIEWS WHERE OCCURS
- ELEVATION INDICATOR, MULTIPLE VIEWS WHERE OCCURS
- BUILDING SECTION INDICATOR
- GRAPHIC SCALE
- ROOM NAME AND NUMBER
- COLUMN GRID
- KEYNOTE
- WALL OR PARTITION TYPE
- FIRE EXTINGUISHER CABINET
- NORTH ARROW
- OUT OF SCOPE AREA, REFER TO FIRE PROTECTION,PLUMBING, MECHANICAL, ELECTRICAL, AND TELECOM DRAWINGS FOR ADDITIONAL WORK INSIDE THIS AREA

ADDITIONAL CLARIFYING LINE TYPES AND SYMBOLS INDICATED ON SHEETS AS REQUIRED

Revisions: | Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: TIL ABBREVIATION LIST (PG-18-4)
Approved:

Phase: FINAL BID DOCUMENTS
FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date: 06.13.2025 | Checked | Drawn

Project Number: 646-22-700
Building Number: 0
Drawing Number: 00-GI005
SHEET 6 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.G.PIT EHRM.rvt
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SCHEDULE KEY

NEW	ROOMS TO BE BUILT WITH NEW IT AND SUPPORTING INFRASTRUCTURE
REMAIN	ROOMS TO REMAIN AS IS WITH MINOR MODIFICATIONS
EXPAND	ROOM TO EXPAND FROM ITS EXISTING FOOTPRINT WITH NEW IT AND SUPPORTING INFRASTRUCTURE.
DECOMMISSION (DECOM)	ROOM TO BE DISCONNECTED AND ASSOCIATED EQUIPMENT SALVAGED FOR RELOCATION PER CONTRACT SCOPE. REMAINING SPACE TO BE MODIFIED TO LEVEL OF FINISH PER CONTRACT.
ABANDON	ROOM TO BE DISCONNECTED AND ASSOCIATED EQUIPMENT SALVAGED FOR RELOCATION PER CONTRACT SCOPE. REMAINING SPACE TO BE LEFT AS IS. FURTHER MODIFICATION FOR OTHER PURPOSES UNDER A SEPARATE CONTRACT.

01_TR SCHEDULE

BLDG	FLR	ROOM NUMBER	X-MATRIX	ASSIGNED	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106D		NEW	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101TR		NEW	Proposed.		10'-0"	10'-0"		
1	G	CA224C		NEW	Proposed. Locate plan east of Stair 2.	8 '6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108		NEW	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	X	REMAIN	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	X	REMAIN	Remain.		10'-0"	10'-0"		
1	1	1A243		NEW	Proposed.		6'-0"	8'-9"		
1	1	1N301		NEW						
1	1	1W121	X	REMAIN	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
1	2	2W110D		REMAIN	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301		NEW			10'-6"	17'-1"		
1	3	3A110	X	REMAIN	Proposed. Dimensions adequate.		13'-9'	14'-9'		
1	4	4W137TR		NEW	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4N301		NEW			10'-0"	17'-3"		
1	4	4A02	X	REMAIN	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
1	5	5W200		NEW			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
1	6	6W200		NEW			17'-5"	11'-6"		
1	6	6N301		NEW			12'-6"	16'-10"		
1	7	7N301		NEW			12'-6"	16'-10"		
1	7	7W200		NEW			17'-7"	11'-6"		
1	8	8N301		NEW			12'-6"	16'-10"		
1	8	8W200		NEW			17'-7"	11'-6"		
1	9	9W200		NEW			17'-7"	11'-6"		
1	9	9N301		NEW			12'-6"	16'-10"		
1	10	10W200		NEW			17'-7"	11'-6"		
1	10	10N301		NEW			12'-6"	16'-10"		
1	11	11N301		NEW			12'-6"	16'-10"		
1	11	11W200		NEW			17'-7"	11'-6"		
29	1	1M195A	X	REMAIN	Reviewed and proposed.		11'-11"	11'-6"		
29	2	2M275A	X	REMAIN	Reviewed and proposed.		11'-4 3/8"	11'-11"		
29	3	3M150	X	REMAIN	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	
29	4	4M150	X	REMAIN	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	
5	G	BA101		REMAIN	Proposed. Exception to remain as is. Slightly undersized.		16'-9"	7'-8"	YES	
30	1	1A134	X	REMAIN	Proposed. Remain as is.		19'-8"	9'-8"		
30	2	2A134	X	REMAIN	Proposed. Remain as is.		9'-11"	11'-11"		
30	B	BA007	X	REMAIN	Proposed. Remain as is.		9'-11"	11'-11"		
30	G	GA131	X	REMAIN	Proposed. Remain as is.		9'-11"	11'-11"		
33	1	104	X	REMAIN	Proposed. Exception to remain as is. Slightly undersized.		15'-7"	8'-7"	YES	

PROPOSED DECOMMISSION SCHEDULE

BLDG	FLR	ROOM	X-MATRIX	ASSIGNED	COMMENTS
1	1	1A150	X	ABANDON	
1	1	1A172	X	ABANDON	
1	1	1C121	X	ABANDON	
1	1	1N102	X	ABANDON	
1	1	1NE100	X	ABANDON	
1	2	2A134	X	ABANDON	
1	2	2NE100A	X	ABANDON	
1	2	2W110B	X	ABANDON	
1	3	3A169	X	ABANDON	
1	3	3N150	X	ABANDON	
1	3	3N150A	X	ABANDON	
1	3	3W227	X	ABANDON	
1	4	4C101	X	ABANDON	
1	4	4N164	X	ABANDON	
1	4	4W145	X	ABANDON	
1	5	5W145	X	ABANDON	
1	6	6N107	X	ABANDON	
1	6	6W145	X	ABANDON	
1	7	7N107	X	ABANDON	
1	9	9N107	X	ABANDON	
1	11	11E105	X	ABANDON	
1	11	11W104	X	ABANDON	
1	B	BW224C	X	ABANDON	
1	G	AE103A	X	ABANDON	
1	G	AE112	X	ABANDON	
1	G	AE153	X	ABANDON	
1	G	AW120		ABANDON	
29	1	1M101B	X	ABANDON	
29	2	2M288A	X	ABANDON	
29	3	3A107A	X	ABANDON	
29	4	4M107A	X	ABANDON	
29	5	5M107A	X	ABANDON	

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407561

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PROJECT INFORMATION
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	0
Drawing Number	00-GI010
	SHEET 7 of 797

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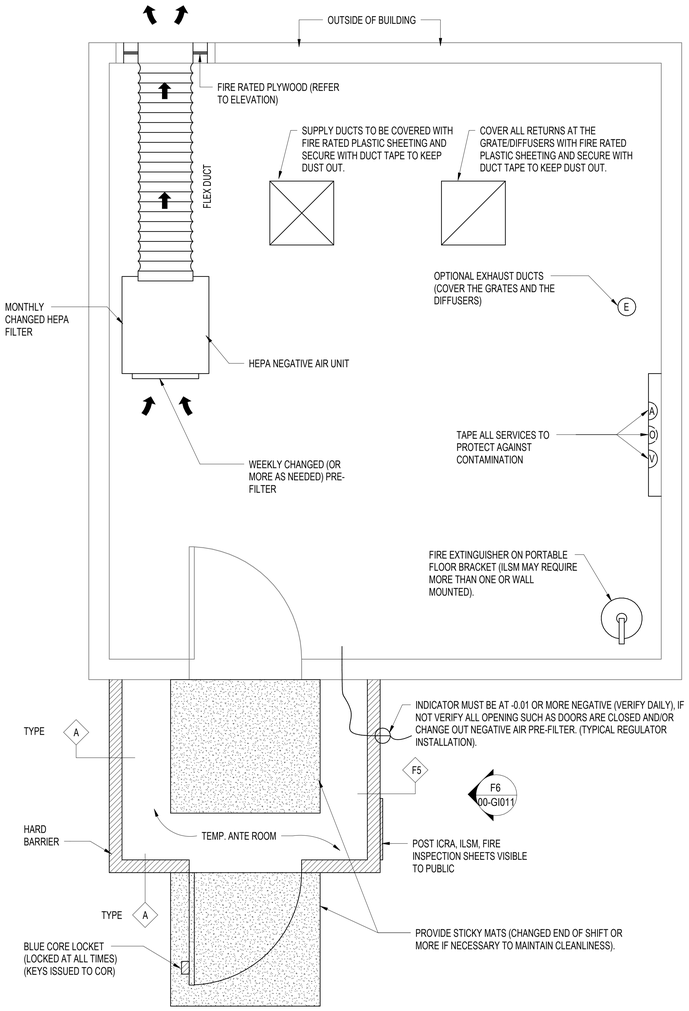
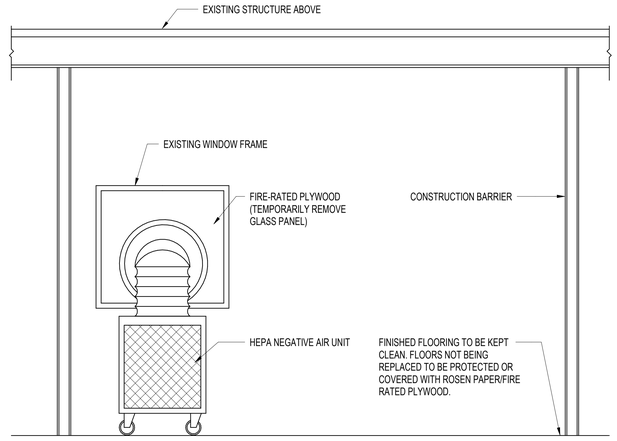
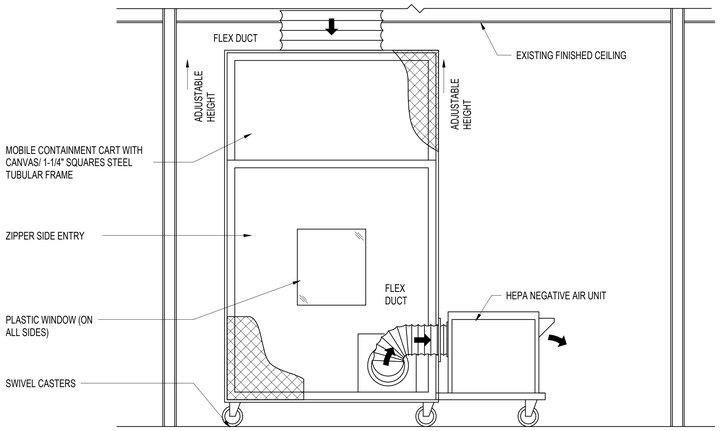


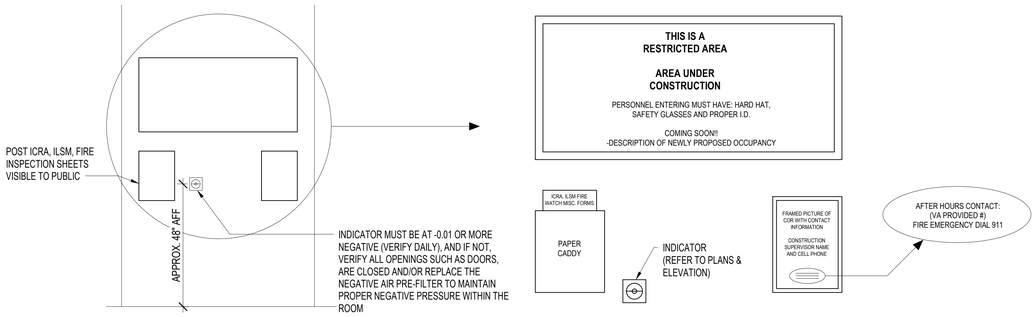


C4 TYPICAL CLASS IV - CROSS SECTION 'B-B'
1/2" = 1'-0"

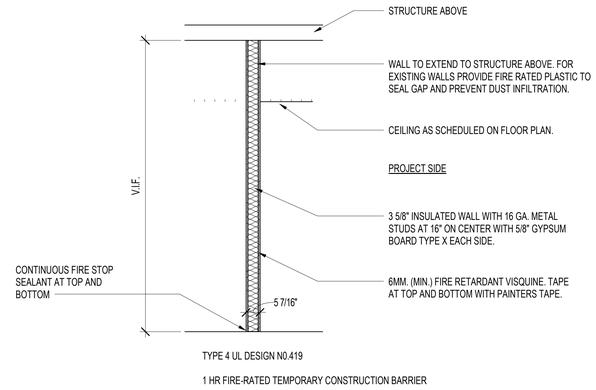


E4 MOBILE CONTAINMENT CART
1/2" = 1'-0"

E1 TYPICAL CLASS IV - CONSTRUCTION LAYOUT
1/2" = 1'-0"



F1 TYPICAL CLASS IV - ANTE ROOM ELEVATION
1/2" = 1'-0"



TYPE 4 UL DESIGN N0.419

1 HR FIRE-RATED TEMPORARY CONSTRUCTION BARRIER

F6 TEMPORARY CONSTRUCTION BARRIER
1/2" = 1'-0"

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA STEVE H. KLOW No. RA047941

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title	INFECTION CONTROL RISK ASSESSMENT - CLASS IV
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	0
Drawing Number	00-GI011
	SHEET 8 of 797

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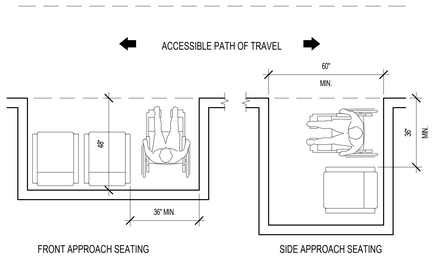
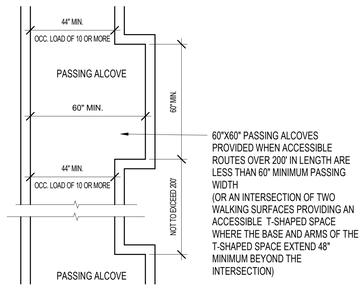


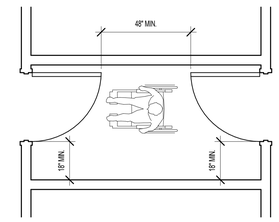
B1 WHEELCHAIR SPACES AT SEATING AND DESIGNATED AISLE SEATS

3/8" = 1'-0"



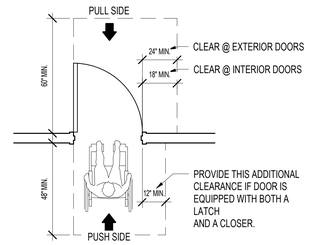
B3 ACCESSIBLE ROUTES WITH PASSING ALCOVES

3/8" = 1'-0"



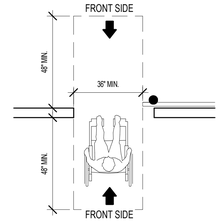
B5 ACCESSIBLE CLEARANCES AT DOOR - INSWINGING DOORS AT VESTIBULE

3/8" = 1'-0"



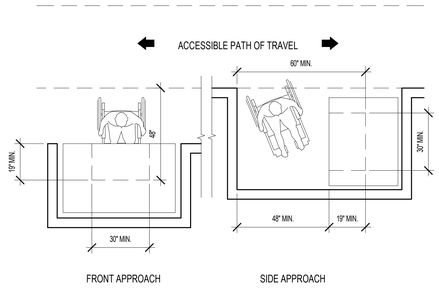
B7 ACCESSIBLE CLEARANCE AT DOOR - FRONT APPROACH

3/8" = 1'-0"



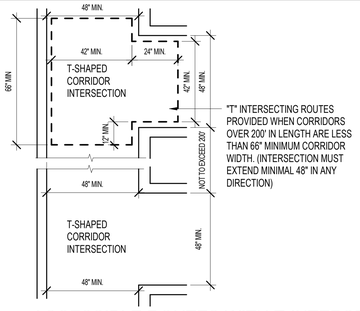
B9 ACCESSIBLE CLEARANCE AT SLIDING DOOR - FRONT APPROACH

3/8" = 1'-0"



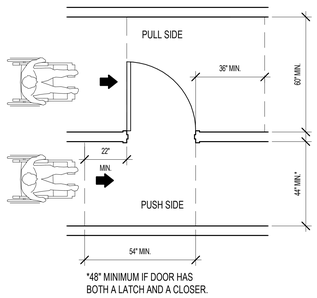
C1 DINING SURFACES AND WORK SURFACES TO PATH OF TRAVEL

3/8" = 1'-0"



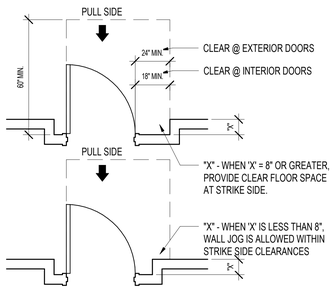
C3 ACCESSIBLE ROUTES WITH T-INTERSECTIONS FOR PASSING

3/8" = 1'-0"



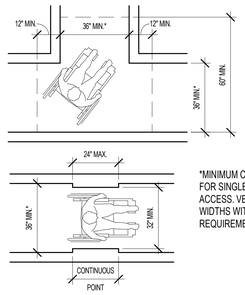
C5 ACCESSIBLE CLEARANCE AT DOOR - HINGE APPROACH

3/8" = 1'-0"



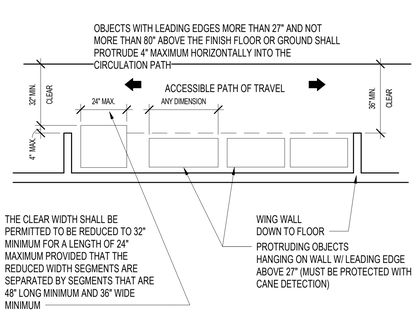
C7 ACCESSIBLE CLEARANCE AT DOOR IN ALCOVE

3/8" = 1'-0"



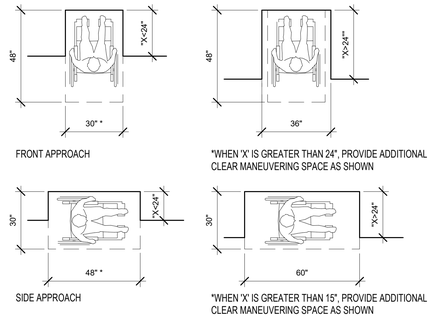
C9 ACCESSIBLE ROUTES - MINIMUM WHEELCHAIR CLEARANCES

3/8" = 1'-0"



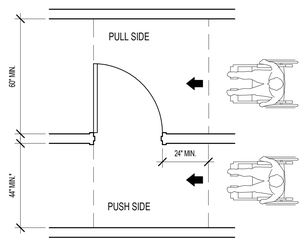
E1 CLEAR WIDTH FOR ACCESSIBLE ROUTES

3/8" = 1'-0"



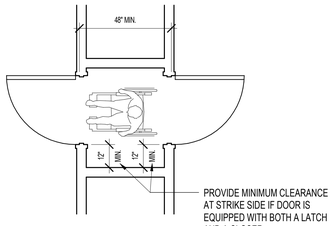
E3 ACCESSIBLE ALCOVE CLEARANCES

3/8" = 1'-0"



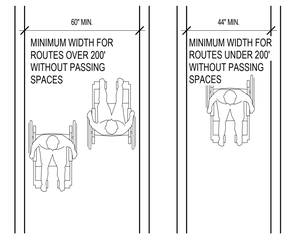
E5 ACCESSIBLE CLEARANCE AT DOOR - LATCH APPROACH

3/8" = 1'-0"



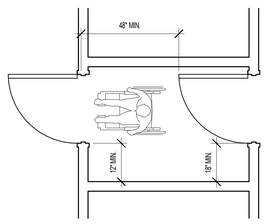
E7 ACCESSIBLE CLEARANCES AT DOOR - OUTSWINGING DOORS AT VESTIBULE

3/8" = 1'-0"



E9 ACCESSIBLE ROUTES - MINIMUM WIDTHS

3/8" = 1'-0"



F1 ACCESSIBLE CLEARANCES AT DOOR - INSWING OUTSWING AT VESTIBULE

3/8" = 1'-0"

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA407191

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	TYPICAL ADA REQUIREMENTS - INTERIOR CLEARANCES
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	0
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	00-GI012
	SHEET 9 of 797

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VA FORM 08 - 6231

1.0 GENERAL INTENTION:

A. This section pertains to station policy for construction projects performed at the VA Pittsburgh Health Care System. Safety and health concerns are taken seriously. Both our staff and yours are expected to strictly adhere to the regulations and requirements. This is exceedingly important, since we must be primarily concerned for the safety of our patients. In this regard, OSHA Standards may protect worker safety and health, but they have minimal benefit for protecting the safety and health of our patients, due primarily to their differing medical conditions. Review this information as orientation with your personnel performing work on site is a condition of this contract. Where the requirements as outlined in this and other specification sections are differing, the more stringent and beneficial to the VA Pittsburgh Healthcare System shall apply.

2.0 REQUIREMENTS

A. Security

1. Secure all construction areas, especially mechanical and electrical rooms against entry of unauthorized individuals including patients.
2. Notify the Contractor Officer's Representative (COR) for permission to work after hours and weekends. Standard work hours for the medical center are Monday – Friday, 7:00 a.m. to 4:30 p.m.
3. All contractors will wear and display VA contractor badges provided by the VA Police Department.
4. Only a limited number of keys will be issued to the contractor.
5. If the Contractor loses a key, all areas that are required to be keyed for the security of the medical center, will be re-keyed at the Contractor's expense at a charge of $50 per key and $50 per change. Any and all new keys required to be issued for security of the medical center will be completed at the Contractor's expense.
6. Ensure all doors leading to and from the construction areas are locked always to prevent access to the area from unauthorized persons.
7. The COR is responsible for ensuring that all Contractors comply with physical security policies. COR will ensure contractor gets required security badge. A compliant ID badge must be worn by Contractors always while on VA premises.
8. Contractor may not have access to the VA network or any VA sensitive information under this contract.
9. All Contractor and subcontractor's employee's s must receive Privacy training annually using one of the following methods:
   a) Complete "VA Privacy Training for Personnel without Access to VA Computer Systems or Direct Access to or Use to VA Sensitive Information" training by using VA's TMS system (https://www.tms.va.gov/). Contractors may use the TMS Managed Self Enrollment method to complete the training in Talent Management System (TMS).
   b) Complete the hard copy version of "VA Privacy Training for Personnel without Access to VA Computer Systems or Direct Access to or Use to VA Sensitive Information". Signed training documents must be submitted to the COR.
   c) Training must be completed prior to the performance of the contract and annually thereafter. Proof of training completion must be verified and tracked by the COR.

B. Patient Privacy

1. Before entering a patient care room, receive permission and instructions from the nurse in charge. Respect the privacy of all patients. Remember, the patients at VAPHS are veterans who have served to protect our country.

C. General Safety

1. Follow all federal, state and local safety and health regulations.
2. Maintain safety in the construction site/area in accordance with the provisions of the contract, which includes the OSHA Regulations, National Electrical Codes. NFPA 70, National Electric Code and NFPA 101, Life Safety Code. Work in a safe manner and take all proper precautions while performing your work. Extra precautions shall be taken when working around persons occupying the building during construction.
3. Provide Personal Preventive Equipment (PPE) for your employees.
4. Post appropriate signs in specific hazardous areas. Contractor to post construction warning signs at each entrance to area.
5. Keep tools, ladders, etc. away from patients to prevent injuries.
6. For Tuberculosis - Review of all contract worker Tuberculosis (TB) screening requirements and options (reference VHA Directive 2011-036 Safety and Health during Construction). Contractor is required to annual certify all Contractors working on VAPHS have documented screening for latent Tuberculosis within the last 12 months and every 12 months thereafter while working at VAPHS. If screening for latent Tuberculosis is positive, clearance from a physician is required prior to working at VAPHS. The Contractor shall also be notified that anyone failing to meet these requirements is not permitted to work onsite and/or may be removed at any time without notice until these requirements are met. Provide evidence to respective COR.
7. For Influenza - Per VHA Directive 1192, all Contractors working at VAPHS are required to show documentation of annual seasonal Influenza vaccination. Provide evidence to respective COR.

D. Security and Privacy Requirements

1. The COR is responsible for ensuring that all Contractors comply with physical security policies. COR will ensure Contractor gets required security badge. A compliant ID badge must be worn by Contractors always while on VA premises.
2. Contractor may not have access to the VA network or any VA sensitive information under this contract.
3. All Contractors must receive Privacy training annually using one of the following methods:
   a) Complete "VA Privacy Training for Personnel without Access to VA Computer Systems or Direct Access to or Use to VA Sensitive Information" training by using VA's TMS system (https://www.tms.va.gov/). Contractors may use the TMS Managed Self Enrollment method to complete the training in Talent Management System (TMS).
   b) Complete the hard copy version of "VA Privacy Training for Personnel without Access to VA Computer Systems or Direct Access to or Use to VA Sensitive Information". Signed training documents must be submitted to the COR.
   c) Training must be completed prior to the performance of the contract and annually thereafter. Proof of training completion must be verified and tracked by the COR.

E. Safety Inspections:

1. The professional Occupational Safety & Health staff at this facility will perform Safety inspections of all contract operations. Written reports of unsafe practices or conditions will be reported to the Contracting Officers Representative (COR) and Contracting Officer for immediate attention and resolution.
2. VAPHS inspectors will perform continuous inspections of the work site in accordance with contract requirements. All deficiencies noted by the VAPHS inspectors will be reported to COR for contractor correction.
3. Review of the Contract Workers Safety Information (Attachment A) as well as any other location-specific information which should be disseminated to all contractor personnel who will work onsite.

F. Fire Alarms:

1. The fire alarm system connects all buildings at this facility, and is activated by various heat, duct, manual pull stations, and smoke sensors. Manual pull stations are provided at each entrance. Please survey the area in which you are working to locate the manual pull stations.
2. If in the event of a fire alarm sounding, staff to remain in their area, unless medical center personnel (Safety, Nursing or Engineering) instructs otherwise or unless a fire situation is in your area, in which case you should immediately evacuate.
3. Any work involving the fire protection systems will require written permission to proceed from the COR. Do not tamper with or otherwise disturb any fire alarm system components without prior written permission.

G. Hazardous Materials:

1. Many of the operations may involve the use of hazardous materials. Prior to bringing hazardous materials on site, all Material Safety Data Sheets will be submitted through the COR for evaluation by the facilities Industrial Hygienist/Safety Representative.
2. Storage of hazardous materials within buildings will be minimal with only enough on hand to perform daily work tasks. Flammable materials will either be removed from buildings at the end of the work shift or stored in approved flammable storage containers.
3. Care must be taken to assure adequate ventilation to remove vapors of hazardous materials in use. Many of the patients being cared for in the facility are susceptible to environmental contaminants, even when odors seem minimal. Isolate those areas where vapors are produced and ventilate to the most extent possible to reduce the number of complaints.
4. When chemicals become odorous, the COR and Safety Office should be contacted immediately, i.e., adhesive remover used to remove glue, so employees in adjacent areas can be notified.

H. Airborne Dust Control During Construction:

1. In order to protect patients, visitors, staff, and contractors from safety and health hazards associated with construction activities, this policy is established for the VA Pittsburgh Healthcare System (VAPHS) and for all VAPHS-affiliated/owned/leased property where construction activities are undertaken.
2. Generation of dust is of major concern within the medical center. Where operations involve the generation of dust, all efforts will be directed at eliminating airborne generated dust associated with construction.
3. The Infection Control staff will work to assist the COR in identifying and specifying all infectious control requirements that will be in effect and required during the construction activities. This includes completion of an anticipated Infection Control Risk Assessment (ICRA) permit. ICRA permit must be signed by all parties and posted at each entrance to the construction site before any work can commence.

4. Contractor is required to have a permanent manometer installed at the entrance of each construction site to validate to VAPHS that the contractor is maintaining negative pressure of the Contractors' construction site to the medical center. Manometer is required to have real time continuous display. Display required to alarm visually when out of compliance. Display will provide data storage with download capability for the contractor to validate compliance to COR with ICRA approved permit. Contractor is required to provide power and data to this manometer as part of the contract.
5. All employees of contractor and subcontractors are required to have Infection Control Risk Assessment (ICRA) 8-hour Certification Class. The ICRA 8-hour course is an awareness training class covering basic procedures and policies to reduce infection contamination, communication and documentation necessary for the topic and the various responsibilities to ensure facility construction meets the organization's contamination protocols. Contractor will submit these certificates of compliance within 30 days of project commencement for each employee and employee of all subcontractors.
6. Contractor and subcontractors that are building the infection control barriers must have an ICRA 24-hour certificate course. The ICRA 24-hour course is a best practices class covering the proper methods to erect, maintain and dismantle ICRA barriers. Contractor to submit employee compliance to COR before any Infection Control barrier is built or within 30 days of project commencement (whichever is first).
7. No plastic will be used in separating construction area from Medical Center. Plastic barriers may be temporarily used when originally installed permanent ICRA barriers to protect the medical center from the impacts of the installation of the permanent barrier.
8. The Infection Control staff will work to assist the COR in identifying and specifying all infectious control requirements that will be in effect and required during the construction activities. This includes completion of an anticipated Infection Control Risk Assessment (ICRA) permit.
9. Pre-Construction. A meeting of the COR, safety, infection control, contractor (including sub-contractors), and other identified parties performing the construction activities must be held prior to beginning of any work (or work phase) onsite. This meeting will be held to review the construction activity plans and how they address the concerns identified during the development of the construction project and contract documents. Pre-Construction meetings will be held once for small projects or projects involving only one phase as well as more than once for projects employing multiple phases of work. General items for discussion during the Pre-Construction meeting(s) are identified on the Pre-Construction Meeting Checklist (Attachment B). The meeting will also discuss the following information at a minimum as well as ensure that everyone present is familiar with their role in keeping the medical center safe:
   a) Identification of the contractor site superintendent who works for the prime contractor. Provide evidence of superintendent's OSHA 30-hour certification prior to work commencement. OSHA 10 certification required for all staff of contractor and subcontractors. Provide evidence of certificate to COR prior to work commencement.
   b) Identification of the contractor's Site Safety and Health Officer (SSHO) and all other project competent person(s) (CP) as defined in VA Master Specification 01 35 26 and 29 CFR 1926.
   c) Identification of current applicable local, state, and federal safety and environmental regulations that are in effect and applicable during the construction activities; e.g., Occupational Safety and Health Administration (OSHA), US Environmental Protection Agency (EPA), National Fire Protection Association (NFPA), etc.
   d) Identification of current applicable local and national VA safety and environmental regulations.
   e) Review of the Contract Workers Safety Information (Attachment A) as well as any other location-specific information which should be disseminated to all contractor personnel who will work onsite.

   f) Review of the Pre-Construction Risk Assessment (PCRA) requirements for construction activities and completion of the permit for the project and/or project phase. The general contractor, or in the case of work performed by VA staff the work supervisor, is responsible for identifying all potential construction risks as outlined in the PCRA permit (Attachment C). This effective planning will ensure minimal impact to the medical center.
   g) Review of the Infectious Control Risk Assessment (ICRA) policy requirements for construction activities and completion of the permit for the project and/or project phase. The COR/RE/PM in conjunction with the infectious control staff, director or manager of the unit(s) affected, and the contractor are responsible for identifying and reviewing all potential construction risks and requirements as outlined in the ICRA permit (Attachment D).
   h) Review of the medical center's Hot Work Policy and permit process (Attachment E).
   i) Review of the medical center's Confined Space Policy (reference EC-042).
   j) Review of the medical center's Firewall/Smoke Wall Penetration Policy and permit process (reference EC-061).
   k) Review of the medical center's Fire Alarm/Fire Sprinkler Impairment, Utility Outage and Lock-Out/Tag-Out Policies and processes as applicable (reference FMS-007, FMS-014, and FMS-010 respectively).
   l) Review of the medical center's current contract staff credentialing and badging requirements, and what steps must be taken before contract staff are permitted to work onsite (reference FMS-039).
   m) Review of the medical center's current contract staff information safety and security requirements (Attachment F).
   n) Review of any additional policies/guidelines as applicable to the contract.

I. Contact with Asbestos Containing Materials:

1. Due to the age of our buildings, many contain asbestos containing materials (ACM). Primary ACM uses in the medical center include floor tile, mastic, and piping and HVAC insulation. The medical center has performed a comprehensive asbestos survey and has identified accessible ACM. Some areas contain damaged asbestos and should not be accessed without prior abatement.
2. The most common type of ACM insulation you may encounter includes thermal system insulation (TSI) and vinyl asbestos tile floor (VAT). ACM TSI is generally covered with a cloth wrap or lagging and the asbestos substrate generally appear white in color. DO NOT SAND, DRILL, GOUGE, OR OTHERWISE DISTURB THIS TYPE OF INSULATION. Contractors disturbing or releasing asbestos containing materials will be liable for all damages and cleanup costs.
3. Where disturbance of asbestos is likely, it has been addressed in the contract for removal. If contact with the presence of asbestos is presented, stop all work in the immediate area and immediately contact the COR and the Industrial Hygienist/Safety Office to make necessary arrangements for removal.
4. In some areas, asbestos insulation has been identified on elbows between fiberglass piping insulation as patching materials among the fiberglass insulation. Fiberglass insulation used in this facility is usually yellow or pink in color, wrapped either by cloth or paper lagging.
5. To protect and ensure all your employees are aware that asbestos containing materials have been used in the construction of this facility, you are required to have them review this section and complete the awareness statement included as Attachment A. Once this documentation has been signed by all employees, forward to the COR for documentation.

6. A complete assessment of asbestos materials and conditions are available for viewing by contacting the COR. Prior to performing work above any ceiling or starting in a new area, consult with the COR concerning existing conditions of ACM.
7. Some of the areas in the facility are identified as restricted areas due to condition of ACM. These are readily labeled. DO NOT ENTER THESE AREAS unless first contacting the COR. Entry requirements to these areas are awareness of the hazards, proper protective clothing (coveralls and respirators), and personal monitoring in accordance with OSHA requirements.
8. Submit contractor asbestos awareness statements for all persons working on the site prior to commencing work.

J. Environmental Protection: (See Environmental Compliance: PG-18-17 at https://www.cfm.va.gov/til/index.asp)

1. It will help to be educated of the seriousness, which the environmental protection requirements of each contract are regarded. Adherence to these requirements is subject to continuing scrutiny from the community and backed by severe penalties, such as fines and incarceration. These environmental requirements will be strictly enforced.
2. No hazardous materials will be disposed of on Government property during and after completion of the project. All waste will be hauled off-site or disposed of in contractor-owned and operated waste removal containers.
3. A copy of all waste manifests for special or hazardous wastes will be forwarded to the COR and the Industrial Hygienist. Environmental requirements will be strictly enforced.

K. Permit Required Confined Spaces:

1. Contractors performing work on this facility will follow all requirements outlined in OSHA Standards for working in confined spaces. There are numerous "permit required" confined spaces on this facility. These spaces have been identified as a confined space. Some spaces have been posted, but most of them have not due to their configuration.
2. Confined spaces are areas, which are large enough to be entered, have limited egress/exit potential, and are not designed for permanent human occupancy. If you encounter any space, which meets this definition, if it is a suspected confined space, please contact the COR and the Industrial Hygienist/Safety Office for a determination.
3. Contractors performing work in confined spaces are responsible for compliance with all applicable standards and regulations.

L. Housekeeping:

1. Protect patients and VA personnel in occupied areas from the hazards of dust, noise, construction debris and material associated with a construction environment. Keep work area clear, clean and free of loose debris, construction materials and partially installed work which would create a safety hazard or interfere with VA personnel duties and traffic.
2. Wet mop occupied areas clean and remove any accumulation of dust/debris from cutting or drilling from any surface at the end of each workday. Contractor to provide mops and buckets to keep area within their work site clean and areas outside their work site that are affected by traffic from the site.
3. Make every effort to keep dust and noise to a minimum always. Take special precautions to protect VA equipment from damage including excessive dust.
4. Maintain clear access to mechanical, electrical devices, equipment and main corridors. This will ensure access to existing systems in the event of an emergency.

5. Clean area of all construction debris and dust upon completion of demolition and/or renovation at the end of each workday.
6. During construction operations, keep existing finishes protected from damage. Cover and protect all carpets during construction. Any carpets or surfaces damaged because of construction activities will be replaced by the contractor and at the contractor's expense.

M. Hot Work Permits:

1. Any hot work operations including cutting, welding, thermal welding, brazing, soldering, grinding, thermal spraying, thawing pipes or any other similar activity, will require a Hot Work Permit to be obtained by the Contractor from the Safety Officer. The Contractor will be responsible for conforming to all Medical Center regulations, policies and procedures concerning Hot Work Permits as outlined below:
   a) Prior to the performance of hot work, a request for a Hot Work Permit will be made to the Safety Department. (Attachment E).
   b) The COR and a representative from the Safety Office will inspect the area and ensure that the requirements of NFPA 241 and OSHA standards have been satisfied. The Hot Work Permit will be granted and will be posted in the immediate area of the work.
   c) The Hot Work Permit will apply only to the location identified on the permit. If additional areas involve hot work, additional permits must be requested.
   d) Upon completion of all hot work, the COR will be notified by the responsible individual to perform a re-inspection of the area.
   e) Do not use any of the extinguishers in the medical center for standby purpose while conducting hot work. Contractors are required to supply their own Class ABC extinguishers. Medical center extinguishers are only to be used in the event of a fire.

N. Utility Shutdowns

1. Contractor shall submit a request to interrupt any such services to COR, in writing, two weeks in advance of proposed interruption. Request shall state reason, date, exact time of, and approximate duration of such interruption. This requirement supersedes the General Requirements 01 00 00 Section 1.6 K.2

O. Penetration Permits

1. Contractor to complete Penetration Permit prior to commencement of any penetrations in fire rated construction barriers. Close openings in smoke barriers and fire-rated construction to maintain fire ratings. Seal penetrations with listed through-penetration firestop materials in accordance with Section 07 84 00, Fire stopping.

P. Emergency Medical Services: Emergency medical services for stabilization purposes are available for contractors at this facility. For medical emergencies, dial 911 when inside any building at the University Drive and Heinz divisions. Report the nature of the emergency and location. The operator will dispatch in-house personnel or coordinate an outside emergency assistance based on the nature of the emergency.

Q. Use of Government Owned Material and Equipment: Use of Government owned material and equipment is prohibited. This includes flatbeds, etc. for delivery of materials.

R. Superintendent

1. Prime Contractor's Superintendent must be employed by the Contractor and must have full authority to act for the contractor. (FAR 52.236-6).
2. The prime contractor shall, at Notice to Proceed, designate a single site superintendent who is empowered to act on behalf of the contractor while work is being completed. The site superintendent must be employed by the prime contractor and may not be an employee of a sub-contractor. At all times during the performance of this contract, including always when any contractor or sub-contractor staff are on-site,

the superintendent shall be onsite to supervise and direct staff work. At all times during the performance of this contract whether staff is onsite working, the Superintendent must be available by telephone. At the commencement of the contract and prior to beginning any construction, the contractor will supply the COR with the name and telephone number for the superintendent. If work is found being performed without the superintendent present as noted above the COR will instruct all contractor and sub-contractor personnel to stop work and immediately leave the site until the superintendent returns. Any lost time, production, or costs associated with this shall be the responsibility of the contractor and will be done at no additional cost to the VA.

3. Each contract must have a designated Contractor Superintendent
4. Communications: always during the performance of this contract, the Contractor's Superintendent must be available by cell phone. At the beginning of the contract and prior to commencement of any construction, Contractor to provide the COR with the cell number for the superintendent.

S. Parking: There will be no on-site Contractor parking. There will be no contractor staging outside of construction area. Contractor's Trailers: Not authorized. Contractor is only authorized one dumpster location, regardless of how may projects they have onsite, which will be assigned by COR after Notice to Proceed.

T. Traffic:

1. Traffic hazards are minimal at this facility. Drivers should be particularly concerned with pedestrian traffic.
2. Seat belt use is mandatory on the station.
3. Federal police officers maintain a 24-hour patrol of the area.
4. No parking/driving on sidewalks and/or grass unless authorized.

U. Smoking: No smoking is permitted on any VAPHS campus.

V. Road Closures: For any work requiring closure of a road or parking lot, the contractor will submit a request for closure in writing at least 5 days in advance for approval by the COR and the Fire Department. Contractor requiring road closures will complete a permit and forward to the COR for authorization by the Fire Department. Permits will be issued for no longer than 1 week. Multiple permits will authorize work lasting longer than 1 week.

W. Delivery of Materials: All materials to be delivered to VA loading docks will be coordinated by the contractor. VA personnel will not receive any contractor material and the contractor will meet all deliveries at the dock to ensure receipt, custody, and removal of items from the dock so not to impact hospital function. If contractor is not present on the site to receive materials in a timely manner, the delivery will be refused and sent away to free the dock space. Extension of construction time will not be granted for refusal to receive contractor materials.

X. All material, equipment, etc. rendered inoperable by the new construction shall be removed and disposed off-site by the contractor.

Y. Contractor is responsible to maintain and repair any existing construction that is damaged by Contractor's construction activities. Reference FAR 52.236-9

Z. Fluorescent (PCB Containing) Fixtures: All fluorescent lighting fixtures being removed as part of this project are to have their ballasts removed and turned over to the VAMC Environmental Protection Specialist for disposal. All other components of the lighting fixture are to be disposed of by the Contractor.

AA. Water Source Connection: Contractors shall supply and install a backflow prevention device at all connection points to a VA supplied water source. Backflow prevention device shall be a Reduce Pressure Watts Series 009 or approved equivalent.

BB. Phasing: Contractor shall submit a schedule of approximate phasing dates on which the Contractor intends to accomplish work in each specific area of site, building or portion thereof. Contractor shall notify the COR two weeks in advance of the proposed date of starting work in each specific area of site, building or portion thereof. Arrange such phasing dates to insure accomplishment of this work in successive phases. The Medical Center Director, COR and the Contractor, prior to any work being completed, must mutually agree to this phasing

schedule. Failure to comply with the dates agreed to on the phasing schedule without approved justification may result in a contract modification that benefits the government.

CC. Recycling: It is the contractors' responsibility to recycle as much of the construction by-products as possible. This would include but not be limited to steel, copper, etc. The contractor will keep a manifest of the items recycled and approximate amounts. The contractor will also make every effort to use recycled materials during the construction of the project. This will be monitored through the submittal process, but will require that the contractor manifest all recycled materials used during the project.

DD. Recycled content products shall be used in execution of this contract wherever such products are available.

EE. The contractor shall keep a record of all recycled content products used in execution of this contract. The record shall identify recycled content products used in execution of the work with approximate quantities.

FF. Contractor shall also keep a record of all wastes and by products recycled because of the execution of this contract. The record shall identify products recycled along with approximate quantities.

GG. Contractor shall submit copies of record reflecting all recycled products used in the contract with each application for progress payment. The record shall include the types and quantities of products used. Negative reports are required.

HH. Crane Safety: A critical lift plan is required for

1. The lift exceeds 50% of the rated capacity of the crane.
2. The lift is in proximity of a high voltage line.
3. The equipment being hoisted has a long-lead time, which would cause business interruption if damage occurred.
4. Two cranes are to be used.
5. Lift over an occupied building
   a) If a lift is to be performed over an occupied building, a registered structural engineer contracted by the general contractor shall review and certify that the building can withstand the impact of the load being dropped on the building due to a crane or rigging failure. If the structural engineer cannot determine if the building can withstand the impact of a dropped load, or if the structural engineer determines that the building cannot withstand the impact of a dropped load, either the building areas that would be affected shall be evacuated during the lift, or the lift shall be scheduled when there will be no personnel in those areas of the building. The decision between evacuating the building or scheduling the lift for off-hours will be made by the owner's representative.

3.0 ENVIRONMENTAL PROTECTION:

A. Contractors shall abide by the facilities Green Environmental Management System (GEMS) policies and procedures. Contractors shall use recycled content products and bio-based materials when possible and provide an estimate of the percentage of materials with recycled content that will be used on the awarded projects. Contractors are required to certify that all personnel and subcontractors have received Resource Conservation and Recovery ACT (RCRA) training. Contractors shall recycle all possible recyclable materials and report the total quantity of recycled and total quantity or waste removed during the projects. Reporting frequency will be set by the Contracting Officer.

B. Hazardous Material Storage & Use

1. The contractor shall establish hazardous material (HM) storage and distribution system when HM is to be used. All HM required to support the contract shall be reported to the Green Environmental Management System (GEMS) Coordinator using the Contractor HM Identification Form. The Contractor HM Identification Form will be provided to the Contractor at or prior to the Pre-Construction meeting. Additional HM needed by the contractor shall be identified to the Contracting Officer's Representative for approval by the HMP.

2. The contractor planning to use HM for the work must register with the GEMS prior to start of work to support the installation's compliance with Executive Order 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements.
3. The contractor shall maintain Contractor HM Identification Form for HM on the job site for inspection/verification.
4. Contracting Officer's Representative (COR) will verify that the HM identified to (GEMS) Coordinator is the only HM in use on the job site.
5. Contractors shall provide the (GEMS) Coordinator:
   a) A list of each material and quantity of material for all proposed HM. Hazardous Material (HM) shall mean any item that is:
   b) A health hazard or physical hazard as defined in 29 CFR, 19 10.1200(c).
   c) Regulated in its disposal by EPA less than 40 CFR.
   d) Hazardous as defined by DOT regulations less than 49 CFR.
   e) Hazardous as defined by the Dangerous Goods Regulations of the International Air Transport Association.
   f) A safety data sheet (SDS) for each item on the list.
   g) The contractor shall establish his/her own HM storage and issue location that complies with federal, state and local environmental regulations. Materials issued shall be tracked for quantities used. Unused materials shall be inventoried and removed from the VAMC Facilities prior to close out of the contract or expiration date of the HM. Reports of materials delivered, used and removed from the installation shall be submitted to the Contracting Officer monthly and prior to contract close out.
   h) The contractor shall comply with all federal, state and local environmental standards.
   i) The Facility (GEMS) coordinator shall be notified and accompany the Contracting Officer, Facility Engineer and other responsible parties i.e., COR, etc., on all project close out inspection to ensure all used/unused HM was removed from the installation.

C. Hazardous Waste (HW) Requirements:

1. General: This section includes the handling of all hazardous waste (HW) as generated by the contractor or government hazardous waste encountered by the contractor during this contract.
2. Non-Hazardous Waste: The contractor is responsible for the disposal of all non-hazardous waste.
3. Contractor Hazardous Waste: This shall include any hazardous waste that is a result of the use of hazardous materials (HM) and through leakage or spills. Pennsylvania regulations define any spills or leakage of oils (fuel) as hazardous waste. Contractor shall be fully responsible for the use, reporting and disposal of this material or waste, in accordance with all Federal, State and local regulations. The contractor shall provide a copy of his/her registration with the state Department of Environmental Protection (DEP) for the Northwest region/Environmental Protection Agency (EPA) ID number; hazardous waste transporter's name and copy of their license or permit to transport hazardous waste; and the Treatment, Storage, and Disposal Facility (TSDF) name and copy of their license, permit, or interim status from EPA to receive hazardous waste.
4. Notification Requirements: The contractor shall notify the COR before the start of work, if they will be generating HW and when generation of HW will commence. This should be annotated on the PCRA plan as part of the review and approval process by COR.
5. While the EPA and the Commonwealth of Pennsylvania permit the use of accumulation sites (Ref: 40 CFR 262.34) local authorization is required prior to establishing such a site. This approval is obtained from the Green Environmental Management System Office after a favorable joint review conducted by the (GEMS) Coordinator, The Safety Manager, The COR, and the Contracting Officer.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP
REGISTERED ARCHITECT
PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: FACILITY MEDICAL REQUIREMENTS

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE
PITTSBURGH, PA 15240

Issue Date: 06.13.2025
Checked
Drawn

Project Number: 646-22-700

Building Number: 0

Drawing Number: 00-GI020

SHEET 10 of 797

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4.0 DOMESTIC WATER AND MEDICAL GAS SAFETY PLAN

A. Contractor to establish and maintain a site-specific water safety plan for their construction site. Prior to work commencement, contractor to prepare a plan detailing project specific water controls to ensure construction work is not impacting the medical center. Contractor to submit a plan to COR and Environmental Engineer for approval before work may commence in accordance with the Master Specifications: Section 01 33 23, shop drawings, product data, and samples. The water distribution systems of the Heinz and University Drive VA facilities are Public Water Systems permitted by the Pennsylvania Department of Environmental Protection (PADEP). All work associated with the water distribution systems shall comply with all requirements of the PADEP permits.

B. Plumbing contractor competency.
   1. Only journeyman plumbers or master plumbers with plumbing license are authorized to work on any plumbing and medical gas system at VAPHS. Contractor to submit experience to COR for approval prior to plumber performing any work under this contract. Master plumbing level of 8 years or more are required to work at VAPHS. For Medical Gas systems, contractor working on VAPHS system must have current medical gas certification.
   2. All employees performing plumbing work shall be licensed and certified in accordance with the International Plumbing Code (Master & Journeyman). Provide each employee's appropriate licenses and certifications in accordance with the International Plumbing Code (Master & Journeyman). Provide additional qualifications or continuing education.
   3. Must have current knowledge of all applicable codes required.

C. Flushing and Disinfection Program
   1. It is the policy of VAPHS to ensure quality water is available for use after new construction is completed or following interruption to the potable water distribution systems. VAPHS water systems are permitted by the state of Pennsylvania and are required to adhere to the regulations contained in 25 PA Code 109 (Safe Drinking Water Act).
   2. After successful disinfection, contractor will ensure each fixture is flushed twice per week while the area is under construction and prior to turnover to medical center. Each fixture will be flushed at a minimum of 5 minutes at normal flow both hot (through the bypass) and cold. Contractor shall validate flushing via spreadsheet indicating date, time, and duration of flush for each fixture in the construction site. Each event shall be signed by person performing the flush. Flushing sheets must be submitted to COR who will review with Environmental Engineer.
   3. Prior to contractor turning over the construction site to VAPHS, contractor will ensure that the quality of potable water meets Safe Drinking Water Act standards by disinfecting all new piping in accordance with AWWA Standard C651. This validation will be documented in a spreadsheet for each fixture with date of test and signature of person performing test. Testing will occur at each fixture indicating initial biocide readings, hold times, biocide readings after required hold, and biocide reading after final flushing to ensure it is within safe drinking water standards. Contractor performing the disinfection shall be a certified water technologist, or perform the work under direct supervision of a certified water technologist.
   4. Contractor will submit the disinfection plan to COR for preapproval prior to commencement. The Environmental Engineer shall provide written approval to the COR once the plan is shown to adhere to AWWA C651 standards.
   5. Contractor to provide to COR independent Safe Water Drinking test results provided by a PA Department of Environmental Protection accredited laboratory for microbiological parameters. The test will not be conducted with only the minimum requirement of AWWA C651 due to the requirement for repeat testing if positivity is indicated. Testing shall be conducted for Total Coliform and E. coli due to regulatory requirements; results shall be provided prior to turn over of space to medical center.

D. Contractor to ensure new piping meets VA requirements for piping systems.
   1. The maximum length of dead ends shall be no greater than two pipe diameters from the branch, riser or main that it is connected to. Ideally the existing tee or fitting should be removed if the piping has no future use.
   2. Dead ends that terminate with a valve and a cap, plug, or flange shall be gate valves. A means to eliminate trapped fluid between the valve and the cap, plug, or flange shall be provided.

E. Contractor to ensure abandoned existing piping in the defined construction area is demolished and removed the following requirements are met with piping that remains.
   1. The maximum length of dead ends shall be no greater than two pipe diameters from the branch, riser or main that it is connected to. Ideally the existing tee or fitting should be removed if the piping has no future use.
   2. Dead ends that terminate with a valve and a cap, plug, or flange shall be gate valves. A means to eliminate trapped fluid between the valve and the cap, plug, or flange shall be provided.

5.0 HVAC REQUIREMENTS

1. Infection Control Risk Assessment reviewed the risk on patients for shutting down air handler units. These risks are based upon air-handler shutdowns for any amount of time reduces the effectiveness of the HVAC system and thus can compromise patients. Any requests for air handler shutdown must comply with the current Infection Control Risk assessment as stated in Table 1 below.

TABLE 1

Duration of shut-down	Hour-by-hour Risk	Risk Level Category	Recommendations for action
<1 hour	**Basic risk** Air-handler shutdown for any amount of time reduces the effectiveness of the HVAC system. All impacted areas should have contingency plans (Including high risk areas [e.g. negative and positive pressure rooms] and be prepared to use them.)	**IV+ (Depending on area)**	1. Notification of affected area 2. If OR involved, scheduling outside of scheduled OR time, advance notification of Surgery Service Line 3. If SPS involved, scheduling outside of hours of operation, movement of any sterile items out of SPS areas affected 4. If patient care areas involved, movement of negative-pressure isolation patients out of affected area (risk of airborne organism dissemination with loss of negative pressure control/air changes) 5. Monitoring of temperature for integrity of supplies/equipment 6. Avoidance of activities that require negative pressure (cleaning of soiled equipment) in affected areas
≤4 hours	**Intermediate Risk** Air quality approaches that of outside air (Risk for immunosuppressed patients/patients that would not be allowed outside.)	**II-IV+ (depending on patient type and patient level of care)**	1. All above listed 2. Movement of severely immunosuppressed patients* to an area with appropriate environmental control as soon as possible. 3. Prepare for unit evacuation (unplanned outages) 4. Clinical discretion by responsible providers should be used to determine risk for patients staying in place vs. risk during transfer 5. Sterile supplies must be covered or moved, a plan must be in place to closely (every 15 minutes) monitor temperature/humidity and move if temperature is likely to go out of range.
			***Immunosuppressed patients:** **1. Solid organ or stem cell/bone marrow transplant patients** **2. Absolute neutrophil count <500** **3. Active chemotherapy** **4. Active Leukemia/Lymphoma**
>4, ≤8 hours	**Serious Risk** Concern for air-quality inappropriate to all persons, including temperature, viable, non-viable, odor clearance and "stuffiness" – Ref OSHA	**I-II (depending on patient, care-level employee, duration)**	1. All above listed 2. Critical care units must be evacuated 3. Clinical discretion by responsible providers should be used to determine risk for patients staying in place vs. risk during transfer
>8 hours	**Critical Risk** Concern for air-quality inappropriate to all persons, including temperature, viable, non-viable, odor clearance and "stuffiness" – Ref OSHA	**I-II (depending on patient, care-level employee, duration)**	1. All above listed 2. All units should be evacuated 3. All sterile supplies should be moved, otherwise a plan must be in place to rapidly move them if temperature/humidity monitored at least every 15 minutes goes out of range.

2. Contractor requesting air handler shuts downs must notify COR in a minimum of five weeks in advance of the unit requiring shut down so appropriate planning with COR and medical center can occur. Shutdowns of air handler units will require relocation of patients and in some cases of an entire unit. Relocations of this magnitude will extensive planning to ensure access to care and the safety of VAPHS patients.
3. Due to severity of these shutdowns, the contractor should ensure these outages are identified on the PCRA and ICRA plans that are approved in advance of construction commencement. This effective planning will ensure safety and an outage with minimal impact to the medical center.

ATTACHMENT A

Contract Worker's Safety Information Contract Reference No.:

The VA Pittsburgh Healthcare System is a full service medical center with inpatients, outpatients, visitors, and staff who can be affected by what you do while working here. Many of these patients may have health problems that make them more susceptible to materials used or generated in your work. In the event of a fire, remember RACE. Rescue persons in immediate danger, pull the fire Alarm and contain the fire by closing any doors. If it is safe to do so, and you have been trained, try to extinguish the fire with a portable fire extinguisher. If you do not hear the alarm sound, call ext. 333 to report the location. Know the location of the fire alarm and extinguisher in your work area.
Keep all dust and odors within the construction or maintenance site. All Material Safety Data Sheets (MSDS) for materials must be posted. Provide MSDS to the Contracting Officer's Representative (COR).

A. Asbestos
   1. Assume that any sprayed-on fireproofing and thermal insulation contains asbestos. Ceiling tiles provide the barrier between the asbestos in the interstitial and the occupied areas below. Interior walls provide a similar barrier to asbestos fireproofing on vertical columns.
   2. Ceiling tiles cannot be moved or displaced without proper containment and personal protective equipment. Wall penetrations cannot be made without proper containment and personal protective equipment. Immediately report all disturbances of asbestos-containing materials to your supervisor and the COR.

B. Hazardous Waste
   1. The VA Pittsburgh Healthcare System indicates waste that is hazardous with different colored bags:
      a) RED for infectious or biohazardous waste.
      b) YELLOW for chemo waste.
      c) CLEAR & BLACK for general waste.
      d) Signs on containers also indicate whether the contents are biohazardous, radioactive or cytotoxic.
      e) Do not touch the contents of any of these containers

C. Hazardous Spills
   1. Locate the MSDS and contact the Facility Management Service at extension 412-360-6138 during normal business hours for assistance. Alternately you can contact the VA's Industrial Hygienist at 412-360-3705 during normal business hours. In the event of no answer, or after hours contact the VA Operator at 412-688-6000 for assistance.

D. Utility Shutdown
   1. You must notify your supervisor and COR for approval: (advance approval is required for all utility shutdowns in accordance with your contract requirements)
      a) Prior to lock out/tag out of any utility system.
      b) If a utility failure occurs.
      c) Prior to restoring the system.

E. Smoking
   1. Smoking is not allowed on any VAPSH campus.

F. Patient Care Areas
   1. Before entering a patient care room, receive permission and instructions from the nurse in charge. Respect the privacy of all patients. Remember, the patients at VAPHS are veterans who have served to protect our country.

ATTACHMENT B

Pre-Construction Meeting Checklist for Contractor, Contracting Officer, and Contracting Officer Representative

A. Which bid alternatives were accepted? Verify that there is an agreement between the contractor and the VA regarding which of the alternates were accepted.
B. Labor Disputes (FAR 52.222-1)
C. Monthly Progress Payments (FAR 52.232-5)
D. Differing Site Conditions (FAR 52.236-2)
E. Superintendence by the Contractor (FAR 52.236-6). Superintendent must be employed by the contractor and must have full authority to act for the contractor.
F. Completion of Infection Control Risk Assessment (ICRA) Matrix of Precautions for construction. Completion of IC Permit and issuance (or procedures). All smoke and/or dust barriers will be in place and approved by infection control and safety prior to beginning any demolition or construction work. (Attachment C).
G. Cleaning Up (FAR 52.236-12).
H. Accident Prevention (FAR 52.236-13).
I. Specifications and Drawings for Construction (FAR 52.236-21).
J. Specifications govern over drawings.
K. Work done without approved submittals shall be at contractor's risk.
L. Changes (APR 1984). No oral order shall be considered as a change.
M. Inspection of Construction (FAR 52.246-12).
N. Specifications and Drawings for Construction (VAAR 852.236-71). Drawings are not to be scaled.
O. Daily Report of Workers and Materials (VAAR 852.236-80). Weekly pay statement. Documentation required for apprentices.
P. Schedule of Work Progress (VAAR 852.236-84).
Q. Workman's Compensation (VAAR 852.236-86).
R. Hauling Demolition Material. Loads must be covered. Trucks must be equipped with a tailgate.
S. Receiving of Contractor Shipments by Government Employees.
T. Asbestos removal.
U. Use of Government Ladders. Under no condition is the contractor authorized to use government ladders.
V. No smoking in any building on station, except for designated smoking shelter.
W. Material Safety Data Sheets. Contractor must provide MSDSs for all applicable materials that are brought onto the job site.
X. Safety. Safety of the contractor's personnel is the contractor's responsibility. VA will not intervene except when the safety of VA personnel or property is at risk.
Y. Fire Stopping shall be provided for all penetrations in vertical and horizontal smoke partitions.
Z. Hot Work Permits are required for all hot work.
AA. Fire Safety During Construction.
   a. The contractor shall manage the work and schedule material arrival in a manner to result in a minimum of combustible material stored in the building at any one time.
   b. Under no condition will fire exits or other means of egress be blocked or partially blocked.
   c. Housekeeping/cleanup requirements shall be rigorously adhered to. All construction debris shall be removed from the building prior to the end of each shift. Reference FAR 52.236-12
   d. No Smoking rules shall be strictly observed.
   e. The fire alarm system may not be disarmed or disabled in any way unless an equally effective alternative fire alarm system is provided.
   f. All construction partitions shall be constructed and sealed in accordance with VAPHS ILSM Policy Safety-001 and NFPA 241.
BB. Lock Out/Tag Out Energy Control Program shall be observed by all contractor personnel. Contractor is to submit a copy of their policy for approval.
CC. Working in Confined Space shall be observed by all contractor personnel. Contractor is to submit a copy of their policy for approval. Contractor must obtain a permit prior to conducting any confined space work.

ATTACHMENT C

Infection Control Risk Assessment: Matrix of Precautions for Construction & Renovation

Step 1: Using the following table, identify the Type of Construction Project Activity (A-D)

Type A	**Inspection and Non-Invasive Activities** Includes, but is not limited to: • Removal of ceiling tiles for visual inspection limited to 1 tile per 50 square feet. • Painting (but not sanding) • Wallcovering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings or other than for visual inspection.
Type B	**Small scale, short duration activities which create minimal dust** Includes, but is not limited to: • Opening of no more than one ceiling tile per 10 tiles • Installation of telephone and computer cabling • Access to chase spaces • Cutting of walls or ceiling where dust migration can be controlled • Minor renovation of existing space • Wet sanding of walls • Drilling • Snake drain or repair sink/shower that is to remain intact and requires no cutting.
Type C	**Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies** Includes, but is not limited to: • Dry sanding of walls for painting or wall covering • Cutting of walls, removal of drywall or building finish components where work is limited to one room or suite (including removal of floor coverings, ceiling tiles, and casework) • Wall demolition or new wall construction • Minor duct work, plumbing work or electrical work above ceilings (not including system demolition or installation). • Remove dead leg or cutting of wall to expose plumbing • Multiple ceiling tiles removed • Moderate renovation of existing space • Major cabling activities, multiple rooms/lines where multiple access points are needed • Any activity which cannot be completed within a single work shift
Type D	**Major demolition and construction projects** Includes, but is not limited to: • Activities which require consecutive work shifts, the closure of a unit/wing or relocation of an entire patient area • Requires heavy demolition or removal of a complete cabling system, HVAC, plumbing, medical gas or electrical system • Demolition of major fixed building components, assemblies, fit-out elements or structural elements • Astic • New construction • Excavation activities within proximity (as determined by ICRA team) of hospital building • Core drilling into floor • Major duct work (includes removal of insulation)

Step 2: Using the following table, identify the Patient Risk Groups that will be affected. If more than one risk group will be affected, select the higher risk group:

Low Risk	Medium Risk	High Risk	Highest Risk
• Office areas • Public corridors • Fisher House • Loading Dock • Research (*depends on location & whether work is invasive or non-invasive) • Hero's Hall • Chapel • Patriot Store • Mechanical Space • The Dom	• Admissions • Nuclear Medicine-1st FL • PT/OT-(10West, BLD 51, BLD 71) • Radiology/MRI/CT Scan-(1st FL & BLD 51) • Respiratory Therapy-(3North & BLD 51) • ECHO/EKG/Vascular Lab-4th FL • Audiology (BLD 29 & BLD 71) • Sleep Lab-4th FL • EEG-10East • Outpatient Behavioral Health (e.g., clinics, therapy sessions, etc.) • Occupational Health • PPRT (BLD 69) • Barber Shop • Recreational Therapy • Morgue (UD/HZ)	• Canteen • Nutrition & Food Services (patient kitchen) • Starbucks • Emergency Room • Laboratories (specimen) • Pharmacy • Primary Care • ASU/SDSU-3West • Wound Clinic-10West • 9West/24 hour OBS • Med-Surg Units (e.g., 4W, 5W, 6W, 6WL) • Rainbow Clinic-8East • Women's Health Clinic-1st FL • Speech • Radiation Oncology-Basement FL • 5E/6E Clinic • Inpatient Behavioral Health Units (e.g., 3M, 4M, 5M) • Inpatient CLC Units (e.g., GS, 1N, 1S, 2A, 2B, 3A, 3B) • Biohazard Room (Loading Dock)	• Cath Lab/EP Lab-4th FL • Dialysis Clinic-7East • Sterile Processing/Decontamination • Distribution (UD/HZ) • ICU's (e.g., 3A, 3E, 4E, 5A) • Hem-Onc Clinic-8West • Operating room/PACU • Dental (HJH) • Inpatient Pharmacy (*compounding room only) • Pain Procedural Room-3rd FL • G.I. Lab-3rd FL • Urology-2nd FL • Interventional Radiology-1st FL • Bronchoscopy-3rd FL • Eye Clinic • Pulmonary Function Testing-8North • Fluoroscopy-3rd FL • Angiogram-3rd FL • Linen Room (Loading Dock-UD & BLD 51)

****Assess all areas for immunosuppressed patients and/or special circumstances that may require additional environmental controls.***

Step 3: Match the Patient Risk Group (low, medium, high, highest) with the planned Construction Project Type (A, B, C, D) on the IC Matrix to find the Class of Precautions (I, II, III, IV) or level of infection control activities required. Classes of precautions are described in the table on the next page.

IC Matrix: Class of Precautions for Construction Projects by Patient Risk

Patient Risk Group	Type A	Type B	Type C	Type D
LOW Risk Group	I	II	II	III/IV
MEDIUM Risk Group	I	II	III	IV
HIGH Risk Group	I	II	III/IV	IV
HIGHEST Risk Group	II	III/IV	III/IV	IV

Note: Infection Control signature will be required when the Construction Activity and Risk Level indicates that Class III and Class IV control procedures are necessary.

Step 4: Identify the areas surrounding the project area, assessing potential impact

Unit Below	Unit Above	Lateral	Lateral	Behind	Front
Crawl space		SPS Decontam and sterile		Loading dock	
Risk Group	Risk Group	Risk Group	Risk Group	Risk Group	Risk Group

Step 5: Identify specific site of activity, (e.g., patient rooms, medication room, etc.) New RO room

Step 6: Identify issues related to: ventilation, plumbing, electrical in terms of the occurrence of probable outages. No outages expected to SPS

Step 7: Identify containment measures, using prior assessment.
- Type of barrier (solid wall or plastic) :
  Solid wall already built and plastic above ceiling to contain work space
- Ante-room (yes/no) if yes type of barrier (solid wall or plastic) :
  Not needed
- HEPA filtration required (yes/no) and vented to (e.g., corridor, window, etc.):
  Yes - HEPA needed and already running and exhausting into corridor
- HVAC, describe local or system isolation of work site

Step 8: Consider potential risk of water damage. Is there a risk due to compromising structural integrity: (e.g. wall, ceiling, roof, etc.). None expected at this phase
- Wall opened (yes/no)?
- Water shut off (yes/no)?
- NO water yet
- Water flushed (yes/no)? IF yes, who will be responsible (FMS or Contractor)?
-

Step 9: Work hours: Can or will the work be done during non-patient care hours? Duration of Project –how long will barriers be in place? Evening and daylight shifts for some

Step 10: Infection control considerations
- Clean and Soiled Utility Rooms: adjacent to SPS decontamination and sterile rooms
- Hand washing sinks: NA
- Support services space: NA
- Negative pressure rooms: See above
- Positive pressure rooms: See Above

Step 11: Plan to discuss the following containment issues with the project team:
- Traffic Flow (i.e., doors for entering/exiting site, elevators supplies, removing debris, etc.):
- Exits onto loading dock path for patient food – give food carts the right away if present during trash removal
- Housekeeping (maintaining the work site):
- Walk off matts and clean any tracking into corridor
- Debris removal (how and time):

ATTACHMENT C

Permit Number:	Infection Control Construction Permit		
Location of Construction: Project Coordinator: Contractor: Supervisor:		Project Start Date: Estimated Duration: Permit Expiration Date: Telephone:	

YES	NO	CONSTRUCTION ACTIVITY	YES	NO	INFECTION CONTROL RISK GROUP
		TYPE A: Inspection, non-invasive activity, minimal dust.			GROUP 1: Low Risk
XX		TYPE B: Small scale, short duration, mod-high levels of dust. .			GROUP 2: Medium Risk
		TYPE C: Activity generates moderate to high levels of dust, requires greater than 1 work shift for completion.			GROUP 3: High Risk
		TYPE D: Major duration and construction activities requiring consecutive work shifts.			GROUP 4: Highest Risk

Class I	1. Execute work by methods to minimize raising dust from construction operations. 2. Immediately replace any ceiling tile displaced for visual inspection.	
Class II	1. Provides active means to prevent air-borne dust from dispensing into atmosphere. 2. Water mist work surfaces to control dust while cutting. 3. Seal unused doors with duct tape. 4. Block off and seal air vents. 5. Wipe surfaces with disinfectant.	6. Contain construction waste before transport in tightly covered containers. 7. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 8. Place dust mat at entrance and exit of work area. 9. Remove or isolate HVAC system in areas where work is being performed.
Class III Date: Initials: Initials:	1. Obtain infection control permit before construction begins. IP signature required. 2. Isolate HVAC system in area where work is being performed, block off & seal air vents. 3. Complete all critical barriers or implement control cube method before construction begins. 4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units 5. Do not remove barriers from work area until complete project is thoroughly cleaned by EMS.	6. Vacuum work area with HEPA filtered vacuums. 7. Wet mop with disinfectant. 8 Remove barrier carefully to minimize spreading of dirt and debris associated with construction. 9. Contain construction waste before transport in tightly covered containers. 10. Seal holes, pipes, conduits, and punctures appropriately.
Class IV Date: Initials: Initials:	1. Obtain infection control permit before construction begins. IP signature required. 2. Isolate or remove HVAC system in areas where work is being Performed, block off & seal air vents. 3. Complete all critical barriers or implement mobile containment unit before construction begins. 4. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 5. Seal holes, pipes, conduits, and punctures appropriately. 6. Construct anteroom and require all personnel to pass through this room so they can be vacuumed. using a HEPA vacuum cleaner before leaving work site or they can wear cloth or paper coveralls that are removed each time they leave the work site.	7. All personnel entering work site are required to wear shoe covers. 8. Do not remove barriers from work area until completed project is thoroughly cleaned by EMS and cleared by Infection Prevention. 9. Vacuum work area with HEPA filtered vacuums. 10. Wet mop with disinfectant. 11. Remove barrier carefully to minimize spreading of dirt and debris associated with construction. 12. Contain construction waste before transport in tightly covered containers. 13. Manometers required to visually monitor negative air flow In highest risk areas. Daily readings during construction to be manually recorded by the contractor.

COR	Date	Infection Control Nurse	Date
General Contractor	Date	Unit Manager	Date

ICRA Checklist During Construction

Pre-Construction:

______ Conduct initial ICRA meeting to determine Level and Barrier type and placement.

______ Discuss routes for removal of trash and debris and time restrictions if necessary.

______ Pre inspection by Infection Prevention prior to start of work for Level 4 projects.

______ All sharps must be removed from the room.

______ Soiled utility rooms and isolation rooms to be cleaned prior to starting any work.

______ Other information pertinent to project.

During Construction:

______Maintain precautions as directed on the ICRA form.

______Contact Infection Prevention for review prior to any changes to approved design are completed.

______Infection Prevention (IP) to complete weekly construction rounds of all projects that are Level 3 and 4. IP will determine when ICRA Level may be reduced.

Revisions: Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP
REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: FACILITY MEDICAL REQUIREMENTS
Approved:
Phase: FINAL BID DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date: 06.13.2025
Checked:
Drawn:
Project Number: 646-22-700
Building Number: 0
Drawing Number: 00-GI021
SHEET 11 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.G.PIT EHRM.rvt
6/13/2025 6:48:35 AM
VA FORM 08 - 6231

Post Construction Check List:

_____ All construction activities will be completed prior to starting any of the following steps. includes all finishes and final touch ups by Contactors or VA Trades.

_____ The Contractor/VA Trade should perform a contractor construction terminal clean of construc debris before EMS is contacted. A Contractor/VA Trade construction terminal clean is considered a "white glove," clean. No work should be completed once the EMS terminal c process is initiated!

_____ The COR/Project Coordinator is responsible for the initial ICRA check & post- terminal c inspection for all Level 1, Level 2, & select Level 3 projects.

_____ The COR/Project Coordinator is also responsible for scheduling all EMS terminal constru cleans and/or contractor terminal construction cleans. Internal barriers may be taken down bu exterior barriers should remain in place, and negative air should remain in place, until the tern clean is completed and inspected.

_____ Infection Prevention to inspect work site for all Level 4 projects to approve terminal clea satisfactory prior to removing external barriers.

_____ Once exterior barriers are removed, EMS to do clean area where barriers have been removed.

ATTACHMENT D

Safety Construction Permit	
Location of Project	**Project Start Date:**
	Estimated Duration:
Contractor	**Permit Expiration Date:**
Supervisor:	**Telephone:**
Description of project:	

Construction Activities

1. **This PRCA form ins intended to be used for construction and renovation projects. It is not intended to be used for non-destructive building maintenance task performed within a single room such as:**
2. Painting or wall papering
3. Installation of soap dispenser/needle box/paper towel holder in patient room
4. Repair of window blind.
5. Ceiling tile replacement for areas
   a. less than 50% of the total square footage of business occupancies and non-patient areas
   b. less than five 2 X 2 tiles in a unoccupied patient rooms
6. Minimum repair of nurse call system/TV/Bed/Telephone.
7. Testing, maintenance, or replacement of electric outlets, switched, or light bulbs Non-destructive
8. Routine plumbing maintenance to repair or unstop sinks or commodes
9. Repair medical gas outlet. (Front Body)
10. Air balance readings.
11. Routine checks and maintenance of HVAC systems

The following must be completed prior to any construction activities

1. A construction barrier shall be constructed prior to starting any work.
2. No exits shall be directed to go through a construction area.
3. Doors shall be locked to prevent unauthorized entry
4. Put signs on doors into construction area "Construction Area – Do Not Enter".
5. Place tacky mats at doors exiting construction area.
6. Negative air shall be maintained in construction area (24/7) the duration of project.
7. Exhaust air from construction projects cannot be returned through the building HVAC system
8. Post a copy of this PCRA and a copy of the ICRA permit at the entrance to the construction area

Emergency contact information and procedures for accidents/events that could impact Patient Care or Life Safety must be in place and posted at each job site. Included in these procedures are such things as:

1. Emergency telephone numbers of key departments.
2. A plan that describes where main valves, switches, and controls are for the area in case of an emergency.
3. A plan for unexpected outages.

Maintain clean, safe, and orderly work area.

1. All debris removal must be by covered cart.
2. Comply with all OSHA and VA Safety requirements
3. Daily safety checks shall be documented by the contractor.

Yes	No	
		Will there be any work that will require activation of the Interim Life Safety Measures during this project? **1. Some things that trigger ILSM's to be implemented are but not limited to:** • Any construction that impacts an EXIT or stairs, exit routes from occupied areas adjacent to construction site • Any construction that impacts major breaches in a fire or smoke wall, (penetration permit required) • Taking the main fire protection system (sprinkler) out of service • Taking the main fire alarm system out of service **2. ILSM determination will be made by VAPHS Safety Department**
Yes	**No**	**1. Have Life Safety Drawings been reviewed to identify all hazardous areas, smoke partitions/barriers, and fire barrier walls?**
		• If so, are these walls clearly marked on construction drawings?
Yes	**No**	**Will any penetrations be made in smoke or fire barrier walls?**
		• If so, Penetration Permits must be obtained and a copy of the fire stop/sealant material specification sheet(s) must be provided to the COR and VA Safety Office prior to making any penetrations in existing smoke partitions/barriers, and fire barrier walls
Yes	**No**	**Will the functional or operational use of any rooms in the construction area be changed which could impact Life Safety Requirements?** Examples could include converting offices into storage space or mechanical spaces or changes to exits routes or exit access, or adding new fire/smoke walls.
		• If so, who conducted the Life Safety assessment? _____ • Have all Life Safety review comments and concerns been addressed in the design?
Yes	**No**	**Will there be hot work done on this project?**
		• If yes, a Hot Work notification must be made and a Hot Work Permit must be posted at the job site. • An additional fire extinguisher must be on hand and a dedicated fire watch must be assigned to each hot work location while the hot work is being performed.
Yes	**No**	**Will there be noise or vibrations generated that will impact a department adjacent to, above, or below the construction area?** • All impacted departments must be notified
		• If so, how will noise or vibrations be reduced to an acceptable level?
Yes	**No**	**Will hazardous chemicals be used on this project?** • If so, an MSDS Sheet is required to be onsite for all chemicals used on site
		• If yes, how will fumes, odors, and spills be controlled?
Yes	**No**	**Will any internal combustion tools or equipment be used on this project?** • NOTE: If used they are only authorized to be used outdoor in well ventilated areas and not near air handler, air compressor, or other equipment air intakes. For example, gas powered saw or similar tools shall not be used inside buildings or near air intakes. • Vehicles and equipment shall not be left unattended while running and shall not be allowed to idle when not in use. For example, trucks shall not be allowed to idle while being unloaded or loaded.
Yes	**No**	**Has the VAPHS Asbestos Survey been reviewed to determine if there is Asbestos Containing Material (ACM) within the project area?**
Yes	**No**	**Is there known or presumed ACM within the construction area?**
		• What measures will be taken to prevent ACM within the construction area from being disturbed or abated during the project? • If abatement is planned VAPHS Safety, Asbestos O&M Program Manager, AFGE Representatives, and departments in areas adjacent to abatement area must be notified of planned abetment action. • If abatement is planned, provide name and License # of contracted Abatement Company _____ • If abatement is planned list Allegheny County Abatement Permit # _____
Yes	**No**	**Will there be any removal of lead building materials?** • If yes, list procedures contractor will follow to control employees and patients' exposure. • If bulk lead material is removed disposition documents must be provided to VAPHS GEMS Coordinator.
Yes	**No**	**Will there be any hoisting or crane use during the project?**
		• If so has a hoisting plan been provided by the contractor and reviewed by Safety and COR?

Yes	No	
		Will there be a Confined Space Entry required on this project? If yes Contractor must • Review VAPHS confined space hazards identified on VAPHS confined space list • Submit proof of confined space training qualifications for all workers who will enter a confined space on VAPHS property • Submit a copy of their Confined Space Program and permit to COR which will be reviewed by VAPHS Safety Office • Provide all required confined space entry and monitoring equipment and rescue service for their workers.
Yes	**No**	**Will any of the following systems be out of service at any time during the project?** • Fire alarm • Sprinkler • Electrical • Domestic water • Utility Water • Oxygen • Sewage • HVAC • Communications Systems
		• If so have contingency plans been developed and coordinated with all impacted departments?

Additional Safety Concerns

Yes	No	

Permit Requested By	Safety Approval	COR/Project Coordinator
Date:	**Date:**	**Date:**

ATTACHMENT E

OPEN FLAME OR WELDING PERMIT

Department of Veterans Affairs

INSTRUCTIONS: Complete items 1 through 13 of this form for any proposed open flame or welding procedure and submit for approval a minimum of 48 hours in advance of proposed work.

1. NAME OF PROJECT | 2. LOCATION OF WORK

3. DESCRIPTION OF WORK REQUIRING OPEN FLAME OR WELDING PROCESS

4. TYPE OF PROCESS

5. PROPOSED DATE OF WORK | 6. START TIME | 7. STOP TIME

SAFETY NOTES

A. *Notify Government project supervisor (by submission of this permit)* of proposed open flame or welding process schedule a minimum of 48 hours in advance of the first scheduled day of use.
B. Post an approved open flame or welding permit at the work site during all related work.
C. Provide fire watch with extinguisher (more than one may be required).
D. Provide protective barriers and signs to prevent accidental entry by unauthorized personnel.
E. Wear protective clothing and/or gear.
F. Provide protection from falling objects or debris.
G. Prevent migration of smoke and smoldering materials, draw smoke to exterior of building using portable ventilation equipment.
H. When any normally secured exterior door is opened, additional armed guard service is required at the contractors' expense. Request for additional armed guard service must be submitted to _____ a minimum of _____ days in advance.
I. Remove or protect nearby flammable materials.
J. Become familiar with location of nearest fire alarm pull-stations and additional extinguishers.
K. In the event of a fire, sound the fire alarm and notify guard of location.
L. The fire watch shall remain in the area until completion of the post-work inspection.
M. Clean up all debris, dust, ashes, etc., upon completion of the work each day.
N. Notify Government representative at time of completion of work.

ACKNOWLEDGEMENT: I hereby acknowledge that I have read the above notes and appropriate sections of the project specifications, and that I *(or my designated representative) will be performing items F and I1, provide full legal name, signature, and date of signature for each additional employee on the back of this form.)*

8. FULL LEGAL NAME OF CONTRACTOR EMPLOYEE PERFORMING ACTIVITY

9. SIGNATURE OF CONTRACTOR EMPLOYEE PERFORMING ACTIVITY | 10. DATE

11. FULL LEGAL NAME OF PERSON DESIGNATED AS CONTRACTOR FIRE WATCH

12. SIGNATURE OF CONTRACTOR FIRE WATCH | 13. DATE

FOR GOVERNMENT USE ONLY

DETERMINATION: I have determined that it is not feasible to conduct the above "hot work" in a shop area or outside the building. A permit is issued for the above listed work during the specified dates/times and I have received authorization for a *Utility Shutdown* for the fire alarm, HVAC, sprinkler, or other systems as required for this work.

14. SIGNATURE OF GOVERNMENT APPROVING AUTHORITY OFFICIAL | 15. DATE

CERTIFICATION: I have inspected the work area prior to the specified work and am satisfied suitable precautions have been taken to prevent a fire. The Fire Watch is knowledgeable in the use of the fire extinguisher provided and how to turn on the fire alarm and/or summon the fire department in the event of an emergency. The building maintenance contractor has been notified of the date, time, and type of work to be performed.

16. SIGNATURE OF GOVERNMENT PRE-WORK INSPECTOR | 17. DATE

CERTIFICATION: I have inspected the work area not sooner than 30 minutes following completion of the specified work and have found no evidence of hidden fire or smoldering materials. The building maintenance contractor has been notified of completion of this work.

18. SIGNATURE OF GOVERNMENT POST-WORK INSPECTOR | 19. DATE

VA FORM 185(200)
JUN 2000

ATTACHMENT F

VA Privacy Training for Personnel without Access to VA Computer Systems or Direct Access or Use to VA Sensitive Information

The Department of Veterans Affairs, VA must comply with all applicable privacy and confidentiality statutes and regulations. One of the requirements in VA is to have all personnel trained annually on privacy requirements. "Privacy" represents what must be protected by VA in the collection, use, and disclosure of personal information whether the medium is electronic, paper or verbal.

This document satisfies the "basic" privacy training requirement for a contractor, volunteer, or other personnel **only if** the individual does not use or have access to any VA computer system such as Time and Attendance, PAID, CPRS, VistA Web, VA sensitive information or protected health information (PHI), whether paper or electronic. You will find this training outlines your roles and responsibility for protecting VA sensitive information (medical, financial, or educational) that you may incidentally or accidentally see or overhear.

If you have direct access to protected health information or access to a VA computer system where there is protected health information such as CPRS, VistA Web, you must take "Privacy and HIPAA Focused Training" (TMS 10203). "VA Privacy and Information Security Awareness and Rules of Behavior" (TMS 10176) is always required in order to use or gain access to a VA computer systems or VA sensitive information, whether or not protected health information is included. Both trainings are located within the VA Talent Management System (TMS): https://www.tms.va.gov

What is VA Sensitive Information/Data?
All Department information and/or data on any storage media or in any form or format, which requires protection due to the risk of harm that could result from inadvertent or deliberate disclosure, alteration, or destruction of the information. The term includes not only information that identifies an individual but also other information whose improper use or disclosure could adversely affect the ability of an agency to accomplish its mission, proprietary information, and records about individuals requiring protection under applicable confidentiality provisions.

What is Protected Health Information?
The HIPAA Privacy Rule defines protected health information as Individually Identifiable Health Information transmitted or maintained in any form or medium by a covered entity, such as VHA.

What is an "Incidental" Disclosure?
An incidental disclosure is one where an individual's information may be disclosed incidentally even though appropriate safeguards are in place. Due to the nature of VA communications and practices, as well as the various environments in which Veterans receive healthcare or other services from VA, the potential exists for a Veteran's protected health information or VA sensitive information to be disclosed incidentally.

For example:
- You overhear a healthcare provider's conversation with another provider or patient even when the conversation is taken place appropriately.
- You may see limited Veteran information on sign-in sheets or white boards within a treating area of the facility.
- Hearing a Veteran's name being called out for an appointment or when the Veteran is being transported/escorted to and from an appointment.

Safeguards You Must Follow To Secure VA Sensitive Information:
- Secure any VA sensitive information found in unsecured public areas (parking lot, trash can, or vacated area) until information can be given to your supervisor or Privacy Officer. You must report such incidents to your Privacy Officer timely.
- Don't take VA sensitive information off facilities grounds without VA permission unless the VA information is general public information, i.e., brochures/pamphlets.
- Don't take pictures using a personal camera without the permission from the Medical Center Director.
- Any protected health information overheard or seen in VA should not be discussed or shared with anyone who does not have a need to know the information in the performance of their official job duties, this includes spouses, employers or colleagues.
- Do not share VA access cards, keys, or codes to enter the facility.
- Immediately report lost or stolen Personal Identity Verification (PIV) or Veteran Health Identification Cards (VHIC), any VA keys or keypad lock codes to your supervisor or VA police.
- Do not use a VA computer using another VA employee's access and password.
- Do not ask another VA employee to access your own protected health information. You must request this information in writing from the Release of Information section at your facility.

What are the Six Privacy Laws and Statutes Governing VA?
1. Freedom of Information Act (FOIA) compels disclosure of reasonably described VA records or a reasonably segregated portion of the records to any person upon written request unless one or more of the nine exemptions apply.
2. Privacy Act of 1974 provides for the confidentiality of personal information about a living individual who is a United States citizen or an alien lawfully admitted to U.S. and whose information is retrieved by the individual's name or other unique identifier, e.g. Social Security Number.
3. Health Insurance Portability and Accountability Act (HIPAA) provides for the improvement of the efficiency and effectiveness of health care systems by encouraging the development of health information systems through the establishment of standards and requirements for the electronic transmission, privacy, and security of certain health information.
4. 38 U.S.C. 5701 provides for the confidentiality of all VA patient and claimant information, with special protection for their names and home addresses.
5. 38 U.S.C. 7332 provides for the confidentiality of drug abuse, alcoholism and alcohol abuse, infection with the human immunodeficiency virus (HIV) and sickle cell anemia medical records and health information.
6. 38 U.S.C. 5705 provides for the confidentiality of designated medical-quality assurance documents.

What are the Privacy Rules Concerning Use and Disclosure?
You are not authorized to use or disclose protected health information. In general, VHA personnel may only use information for purposes of treatment, payment or healthcare operations when they have a need-to-know in the course of their official job duties. VHA may only disclose protected health information upon written request by the individual who is the subject of the information or as authorized by law.

How is Privacy Enforced?
There are both civil and criminal penalties, including monetary penalties that may be imposed if a privacy violation has taken place. Any willful negligent or intentional violation of an individual's privacy by VA personnel, contract staff, volunteers, or others may result in such corrective action as deemed appropriate by VA including the potential loss of employment, contract, or volunteer status.

Know your VA/VHA Privacy Officer and Information Security Officer. These are the individuals to whom you can report any potential violation of protected health information or VA sensitive information, or any other concerns regarding privacy of VA sensitive information.

YOU ARE RESPONSIBLE FOR PROTECTING THE CONFIDENTIAL INFORMATION OF OUR VETERANS

_____ _____
Employee (Print Name) Date

_____
Employee Signature

_____
Print Name of Contract Agency, if contractor

_____
Print Name of VHA Department/Supervisor/Contracting Officer

PROVIDE A COPY OF THIS FORM TO YOUR SUPERVISOR/CONTRACTING OFFICER FOR DATA ENTRY INTO TALENT MANAGEMENT SYSTEM

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA STEVEN H. KLOW No. RA-016761

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title FACILITY MEDICAL REQUIREMENTS	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	**Project Number** 646-22-700
			Building Number 0
Approved:	FULLY SPRINKLERED	**Location** UNIVERSITY DRIVE PITTSBURGH, PA 15240	**Drawing Number** 00-GI022
		Issue Date 06.13.2025 / **Checked** / **Drawn**	SHEET 12 of 797

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VHA Infection Control Risk Assessment
for Construction, Renovation and Maintenance

Introductory Information and Instructions

Use this template as a baseline for performing facility Infection Control Risk Assessments (ICRAs) for construction, renovation, and maintenance work (referred to as the "activity" in this document). The template provides minimum requirements for categorizing activity types and patient risk to determine the level of precautions needed to prevent infection risks. Facilities may customize this template to incorporate site-specific information and/or to add more stringent criteria.

NOTE: *This VHA ICRA template pertains specifically to infection prevention. It must be used in conjunction with the required Pre-Construction Risk Assessment (PCRA) for the activity which addresses other activity-related safety concerns (e.g., vibration, noise) outside the scope of the ICRA.*

To complete the template:
1. Use **Table 1** to identify the category of the construction, renovation and/or maintenance activity.
2. Use **Table 2** to identify the areas affected by the activity.
3. Use **Table 3** to identify the overall patient risk category that will be affected by the activity.
4. Use **Table 4** to determine the level of infection prevention and control precautions needed for the activity.

Once all 4 steps above are completed: Refer to **Table 5** for the minimum required control measures for the level of infection prevention and control precautions needed for the activity. Refer to **Table 6** for the minimum infection prevention and control measures required on completion of the activity.

PERMIT: See the last page of this document for a fillable permit form to be used for posting at the activity site as needed.

Table 1 - Construction, Renovation, and/or Maintenance Activity Category

NOTE: *If any of the bulleted criteria in a higher activity category pertains to the work that will be done (even if the other criteria are in a lower category), use the higher activity category for the VHA ICRA.*

Activity Category determined from Table 1 (*A, B, C, or D*): ☐

Category A	**Inspection and/or facility upkeep generally defined as follows**: • Work can be completed in a single shift, not to exceed 10 hours. • Patients and/or employees may be in the area depending on the activity. • Work that does not create dust or debris. • Removal of ceiling tile or access to mechanical or electrical chase for visual inspection limited to 1 tile per 50 square feet with limited exposure time (not to exceed an hour for each tile) within the shift. • Minor interior updates (e.g., replacing floor or ceiling tiles, carpentry work to include hanging signage, and painting without sanding) that do not create dust or debris. • Limited building system maintenance such as plumbing on potable systems limited to faucet replacement etc. and electrical work such as replacement of bulbs, receptacles, or switches.
Category B	**General maintenance and repair work generally defined as follows:** • Prolonged inspection and work that may take longer than a single shift but not exceeding a week. • Patients and employees are not to be in the area until activity is completed. • Work that creates minimal dust and debris. • Interior finish or surface repairs, updates, or modifications such as repair of firewalls and barriers, and new flooring that produces minimal dust and debris. Controlled sanding activities (e.g., wet or dry sanding) that produce minimal dust and debris.

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	• Plumbing work such as installation or replacement of a single fixture or piping for a single fixture. Any work on sanitary plumbing including snaking of drains. Requires no cutting. • Electrical work such as installation of cabling/wiring/conduit for a single device, installation of new device such as a light fixture that produces minimal dust and debris. • Air Handler and/or fan shutdown/startup and HVAC work such as replacement of a single diffuser, single terminal unit or a single device that produces minimal dust and debris.
Category C	**Small-scale construction, renovation, or maintenance generally defined as follows**: • Work requiring longer than a single week to complete but not exceeding 6 months. • Patients and employees are not to be in the area until activity is completed. • Demolition/removal of preexisting floor covering, casework, lay-in ceiling, or other architectural elements. • Demolition/removal of more than 32 ft² of drywall/framing, hard ceilings, and doors/framing and minimal infrastructure such as electrical circuits and branch piping. • Installation of new walls, ceilings and doors including framing, drywall/plaster and associated work. • Plumbing work such as the installation of new sinks, showers and toilets and associated plumbing. • Shut down of sections of potable water systems. • Electrical work such as installation of conduit and wire for lighting, receptacles and switches for an area, the installation of conduit and wire for new devices such as terminal units, fans etc. • Modification of existing fire alarm and suppression systems. • Mechanical work such as the installation of ductwork, diffusers, and terminal units for an area.

Category D	**Large-scale construction, renovation, or maintenance generally defined as follows**:
	• Work exceeding 6 months in duration.
	• Patients and employees are not to be in the area until activity is completed.
	• Large-scale demolition of building components and infrastructure including removal of multiple doors, walls, framing, ceilings, flooring, piping, electrical and HVAC.
	• The installation building components such as new walls, ceilings and doors including framing, drywall and associated plaster work.
	• Plumbing work such as the installation of:
	  ○ new medical gas systems,
	  ○ steam/heating hot water, condensate systems,
	  ○ multiple sinks, showers and toilets including associated plumbing.
	• Shutdown of potable water, steam/heating hot water, condensate, and medical gas systems.
	• Electrical work such as installation of electrical feeders, distribution panels, conduit and wire for lighting, receptacles and switches for an area, the installation of conduit and wire for new devices such as terminal units, fans etc.
	• Installation of fire alarm and suppression systems.
	• Electrical shutdown of multiple panels.
	• Mechanical work such as the installation of air handling equipment, associated ductwork, diffusers, heat exchangers, terminal units and controls.

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Table 2 - Affected Area Assessment

Identify the areas and associated patients that will be affected by the construction/renovation/maintenance activity (see the Figure for a visual representation of adjacent affected areas).

Figure: Isometric drawing of affected area assessment

Area	Service(s)/Type(s) of Area(s) *(e.g., OR, Unit/Ward, Sterile Processing, Administrative, etc.)**	Point of Contact (POC)	POC Contact Information
Activity Area**			
Area Above			
Area Below			
Adjacent Area 1			
Adjacent Area 2			
Adjacent Area 3			
Adjacent Area 4			

* There may be more than one Service/type of area for each row. List all.

** List the area(s) in which the construction/renovation/maintenance activity will occur. ***NOTE: When the Activity Category is B, C, or D, the control measures are determined by the Patient Risk in the adjacent affected areas.***

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Table 3 - Patient Risk Category

Using Table 3, identify the patient risk category for each area listed in Table 2. Of the patient risk categories identified, select the one with the greatest risk as the overall Patient Risk Category for the activity.

Overall Patient Risk Category determined from Table 3 (*Low, Medium, High, or Highest*): ☐

Low Risk	Medium Risk	High Risk	Highest Risk
Non-patient care areas such as:	Patient care support areas such as:	Patient care areas such as:	Procedural, invasive, sterile support and highly compromised patient care areas such as:
• Public hallways and gathering areas not in clinical areas • Office areas not in clinical areas • Breakrooms not in clinical areas • Bathrooms or locker rooms not in clinical areas • Mechanical/electrical rooms not in clinical areas • Hero's Hall • Chapel • Biohazard Room (Loading Dock) • Loading dock • Research (**depends on location and whether work is invasive or non-invasive)	• Waiting areas • Clinical engineering (biomedical) • Materials management • Sterile processing department – dirty side • Kitchen, cafeteria, gift shop, coffee shop, and food kiosks • Admissions • Nuclear Medicine 1st floor • PT/OT (10W, Bldg. 51, Bldg. 71) • Radiology-MRI, CT Scan-(1st FL & BLD 51) • Respiratory Therapy-(3North & BLD 51) • ECHO,EKG, Vascular Lab-4th FL	• All outpatient units and clinics • Emergency department • Community Living Centers, domiciliaries (The Doms), and transitional residences • Employee health • Pharmacy – general work zone • Medication rooms and clean utility rooms • Imaging suites – diagnostic imaging • Laboratory- (Specimens) • Canteen • Nutrition & Food Services (patient kitchen) • Emergency Room • Primary Care • ASU/SDSU-(3W) • Wound Clinic-10W • 9W/24-hour OBS	• All transplant units • All intensive care units,(3E, 3A, 4E, 5A) • All oncology units and chemotherapy/infusion centers(8W) • OR, PACU and restricted areas • Procedural rooms* -Cardiac cath lab, EP lab, Angio Ste.(4th flr) -GI lab(3rd flr) -GU clinic(2nd flr) -Pain clinic(3rd flr) • Hemodialysis units • Pharmacy compounding area • Sterile processing department – clean side • Transfusion services • Imaging suites – (IR) interventional imaging • Dedicated isolation wards/units for infectious diseases • Dental (HZ) • Eye Clinic

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	• Audiology (BLD 29 & BLD 71) • Sleep Lab-4th FL • EEG-10East • Outpatient Behavioral Health (e.g., clinics, therapy sessions, etc.) • Occupational Health • PPRT (BLD 69) • Barber Shop • Recreational Therapy • Morgue (UD/HZ)	• Med-Surg(Units (e.g., 4W, 5W, 6W, 6WL) • Rainbow Clinic/Med Specialty Clinic-8E • Women's Health Clinic- (HZ, Bldg. 71) • Speech • Pulmonary Function Testing-8N • Radiation Oncology-Basement FL • 2W /5E Clinic • Inpatient Behavioral Health Units (e.g., 3M, 4M, 5M) • Inpatient CLC Units (e.g., GS, 1N, 1S, 2A, 2B, 3A, 3B)	-

* Procedural Rooms are designated for the performance of patient care activities that may require high-level disinfected or sterile instruments and some environmental controls but is not required to be performed with the environmental controls of an operating room (OR). The room is intended for procedures that are performed in an aseptic surgical field and penetrates the protective surfaces of a patient's body (e.g., subcutaneous tissue,

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mucous membranes, cornea) or entry into or opening of a sterile body cavity. Examples of these spaces include Cardiac Catheterization Suites, Electrophysiology Suites, Endovascular, GI Suites, Angio Suites, Urology, Pain procedural, and other spaces which may have high risk patient populations.

Table 4 - Level of Infection Prevention and Control Precautions

Match the Overall Patient Risk Category (*Low, Medium, High, Highest*) determined from Table 3 with the planned Construction/Renovation/Maintenance Activity Category (*A, B, C, D*) from Table 1 to determine the minimum Level of Infection Prevention and Control Precautions (*I, II, III, or IV*) using Table 4 below.

Level of Precautions determined from Table 4 (*I, II, III, or IV*): ☐

Patient Risk Category	Activity Category			
	A	B	C	D
Low Risk	I ◯	II ◯	II ◯	III/IV ◯
Medium Risk	I ◯	II ◯	III ◯	IV ◯
High Risk	I ◯	II ◯	III/IV ◯	IV ◯
Highest Risk	II ◯	II or III ◯	III/IV ◯	IV ◯

An infection prevention and control permit is required for Level III and Level IV. Consult with Infection Prevention and Control for Level I and Level II.

Table 5 - Required Infection Prevention and Control Measures, by Level of Precautions

Controls defined below for the Level of Precautions identified for the activity must be in place before the activity begins and maintained until work is completed and the area is activated. Control measures for each Precaution Level must also include the control measures in the preceding Level(s).

As the activity progresses, a full re-evaluation of remaining activity type and patient risk is required prior to downgrading the Level of Precautions.

Level of Precautions	Control Measures
Level I	1. Perform work activity in a manner that does not create dust. 2. Immediately replace any ceiling tile, close access panels, etc., upon completion of work. 3. Any materials and equipment being brought into the facility must be free of contaminants and loose material.
Level II	**All control measures in Level I and the following:** 1. Provide active means to control airborne dust from dispersing into occupied areas and/or water mist surface to control dust (e.g., Mobile Dust Containment Cart or some other system). 2. Ensure worker clothing is clean and free of visible dust before leaving the work area. 3. Remove or isolate air diffusers (supply and return) to protect the HVAC system from dust and reduce air turbulence. Rebalance system to address diffuser isolation.

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	4. When the work involves or impacts potable water systems including stagnation due to reduced usage, the piping shall be flushed twice a week or isolated from the main system. 5. Seal doors to prevent dust migration. 6. Contain all trash and debris in the work area. Perform daily cleaning and disposal of trash (covered) from work area using an identified exit route. 7. Any equipment, tools, or materials removed from the work area must be in sealed containers and/or cleaned of dust and debris prior to removal from the area. 8. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 9. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 10. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces at least daily.
Level III	**All control measures in Levels I and II and the following:** 1. Ensure availability of equipment for cleaning hands. 2. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 3. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to floor and ceiling (or floor/roof deck above) and secure from movement or damage. 4. Seal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL schedule firestop if applicable for barrier type). 5. Maintain .01 inches /water gauge negative pressurization of the entire workspace by use of HEPA exhaust air systems directed outdoors (unless a work specific waiver is approved by VHA's Office of Healthcare Engineering); this must be maintained continuously 24/7 for the duration of the project. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows is not required to be HEPA-filtered. Exhausting discharged air into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom exhaust) is prohibited. 6. Install a differential pressure sensing device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor and document negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. Daily readings during construction to be manually recorded by the contractor (-0.01 to -0.04)
Level IV	**All control measures in Levels I, II and III and the following:** 1. Barriers must be hard barriers unless temporary to install final barrier. 2. Containment must include an anteroom to ensure pressure control. Anteroom must be large enough for equipment staging, cart cleaning, workers' PPE and cleaning. 3. Worker clothing and/or PPE must be removed or clean and free of visible dust before leaving the work area anteroom. HEPA vacuuming of clothing or use of cover suits is acceptable. 4. Workers must wear shoe covers or have a method to clean shoes in anteroom. Shoe covers must be removed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be changed immediately.

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Table 6 - Minimum Infection Prevention and Control Measures Required Upon Completion of the Activity

Controls defined below shall be completed upon completion of the activity and inspected prior to terminating measures defined in Table 5.

Level of Precautions	Measures
Levels I - II	**Cleaning:** 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. **HVAC Systems:** 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications. **Water systems:** 1. Until the potable water system is activated and in use, flushing shall continue at least twice per week in accordance with VHA Directive 1061.

Levels III - IV	Construction areas must be inspected by an infection preventionist and engineering representative (and others as determined by the facility) for final activity/project close out and removal of infection prevention and control measures.
	
	Work Area Cleaning:
	1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials.
	2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces.
	Removal of Critical Barriers:
	1. Critical barriers must remain in place during all work involving drywall removal, creation of dust and activities beyond simple touch-up work. The barrier may NOT be removed until a work area cleaning has been performed. Additional cleaning may be needed after removal of barrier.
	2. All (plastic or hard) barrier removal activities must be completed in a manner that prevents dust release. Use the following precautions when removing hard barriers:
	  i. Carefully remove screws and painter tape.
	  ii. If dust will be generated during screw removal, use hand-held HEPA vacuum.
	  iii. Drywall cutting is prohibited during removal process.
	  iv. Clean all stud tracks with HEPA vacuum before removing outer hard barrier.
	  v. Use a plastic barrier to enclose area if dust could be generated.
	Negative Air Requirements:
	1. The use of negative air must be designed to remove contaminants from the work area.
	2. Negative air devices (fans, filters, monitoring and documentation equipment) must remain operational at all times and in place for a period after completion of dust creating activities to remove contaminants from the work area and before removal of critical barriers.
	HVAC systems:
	1. Upon removal of critical barriers, remove isolation of HVAC system in areas where work is being performed.
	2. Verify that HVAC systems are clean and operational.
	3. Verify and document through a TAB the HVAC systems meets original airflow and air exchange design specifications.
	Water systems:
	1. Until the potable water system is activated and in use, flushing shall continue at least twice per week in accordance with VHA Directive 1061.

Infection Prevention and Control Construction/Renovation/Maintenance Permit

This page must be posted at the entrance to the project area for Level III and Level IV activities.

Unique permit number:			
Location of construction/renovation/maintenance			
Project manager		Project start date	
Contact phone number		Completion date	
Contractor		Permit expiration date	

Activity Category *(A, B, C, or D)*		Overall Patient Risk Category *(Low, Medium, High, or Highest)*		Level of Infection Prevention and Control Precautions *(I, II, III, or IV)*	

Level of Precautions	**Control measures to be in place for the duration of the activity** *(Check the box for the activity's Level of Precautions to indicate the Control Measures)*
Level I ◯	1. Perform work activity in a manner that does not create dust. 2. Immediately replace any ceiling tile, close access panels, etc., upon completion of work. 3. Any materials and equipment being brought into the facility must be free of contaminants and loose material.
Level II ◯	**All control measures in Level I and the following:** 1. Provide active means to control airborne dust from dispersing into occupied areas and/or water mist surface to control dust (e.g., Mobile Dust Containment Cart or some other system). 2. Ensure worker clothing is clean and free of visible dust before leaving the work area. 3. Remove or isolate air diffusers (supply and return) to protect the HVAC system from dust and reduce air turbulence. Rebalance system to address diffuser isolation. 4. When the work involves or impacts potable water systems including stagnation due to reduced usage, the piping shall be flushed twice a week or isolated from the main system 5. Seal doors, to prevent dust migration. 6. Contain all trash and debris in the work area. Perform daily cleaning and disposal of trash (covered) from work area using an identified exit route. 7. Any equipment, tools, or materials removed from the work area must be in sealed containers and/or cleaned of dust and debris prior to removal from the area. 8. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 9. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 10. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces at least daily.
Level III ◯	**All control measures in Levels I and II and the following:** 1. Ensure availability of equipment for cleaning hands. 2. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 3. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to floor and ceiling (or floor/roof deck above) and secure from movement or damage. 4. Seal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL schedule firestop if applicable for barrier type). 5. Maintain .01 inches /water gauge negative pressurization of the entire workspace by use of HEPA exhaust air systems directed outdoors (unless a work specific waiver is approved by VHA's Office of Healthcare Engineering); this must be maintained continuously 24/7 for the duration of the project. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows is not required to be HEPA-filtered. Exhausting discharged air into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom exhaust) is prohibited. 6. Install a differential pressure sensing device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor and document negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. Daily readings during construction to be manually recorded by the contractor (-0.01 to -0.04)
Level IV ◯	**All control measures in Levels I, II and III and the following:** 1. Barriers must be hard barriers unless temporary to install final barrier. 2. Containment must include an anteroom to ensure pressure control, Anteroom must be large enough for equipment staging, cart cleaning, workers' PPE and cleaning. 3. Worker clothing and/or PPE must be removed or clean and free of visible dust before leaving the work area anteroom. HEPA vacuuming of clothing or use of cover suits is acceptable. 4. Workers must wear shoe covers or have a method to clean shoes in anteroom Shoe covers must be removed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be changed immediately.

Additional requirements:			
Project Manager signature		Date	
Infection Preventionist signature		Date	

Revisions: | Date:

ARCHITECT/ENGINEER OF RECORD

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STAMP

REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FACILITY MEDICAL REQUIREMENTS

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025 | Checked | Drawn

Project Number: 646-22-700

Building Number: 0

Drawing Number: 00-GI023

SHEET 13 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.G.PIT EHRM.rvt
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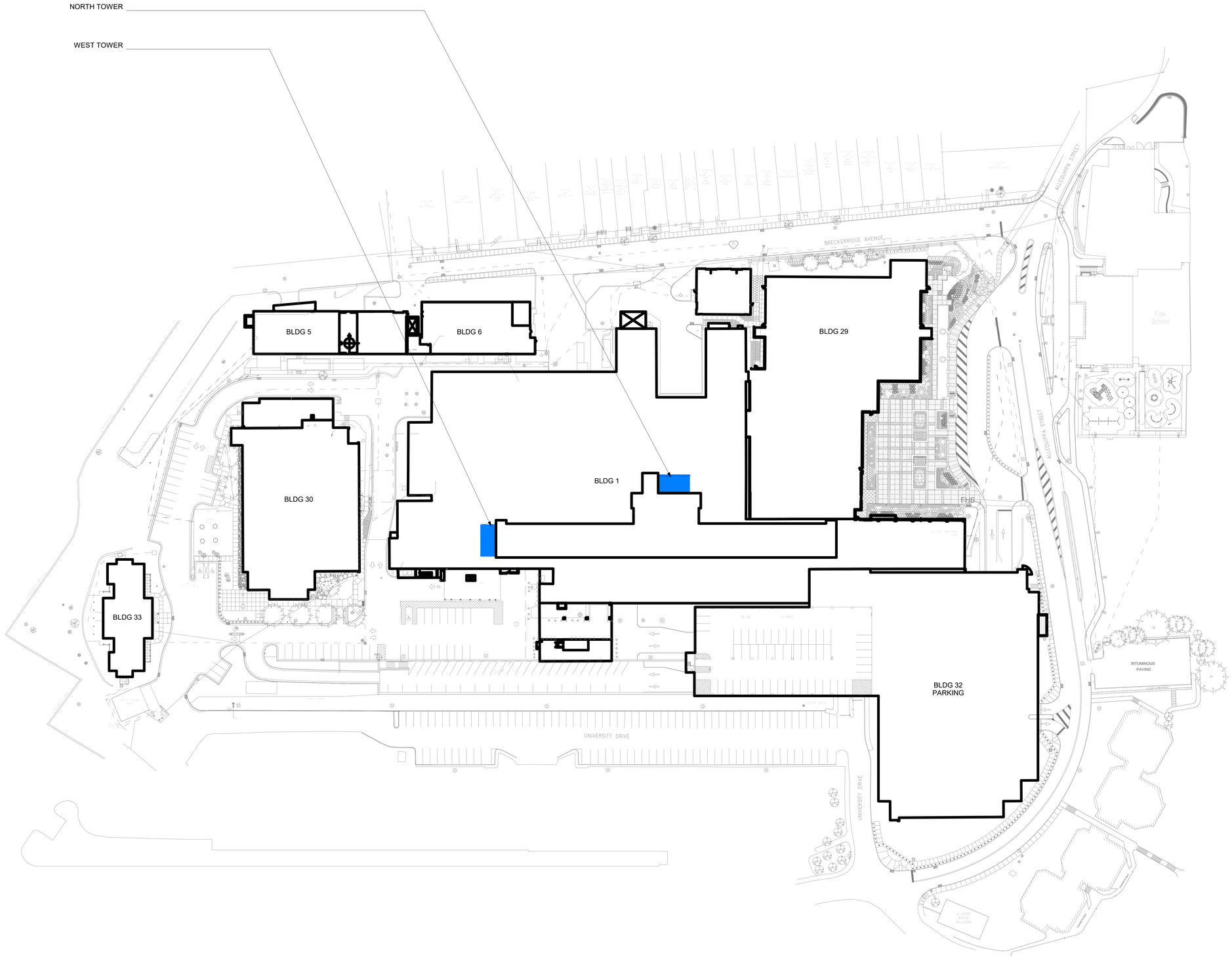

SITE LEGEND

DIAGRAM LOCATION

THIS IS A DIAGRAM
DRAWING AND NOT A PLAN

TRUE NORTH
PLAN NORTH

50 0 50 100
1" = 50'-0"
SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS SITE DIAGRAM	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 0
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 00-GI101
			SHEET 14 of 797

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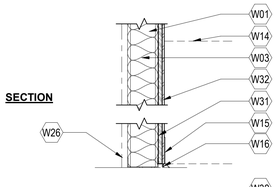
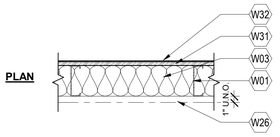
K

SECTION



PLAN

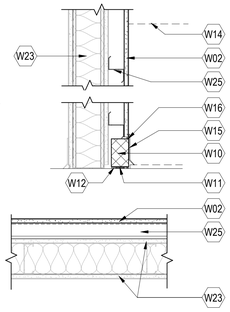


TYPE	STUD SIZE	PARTITION THK.	FIRE TEST #	STC RATING
K0	7/8"	1-1/2"	-	-
K1	1-5/8"	2-1/4"	-	-
K2	2-1/2"	3-1/8"	-	-
K3	3-5/8"	4-1/4"	-	-
K4	4"	4-5/8"	-	-
K6	6"	6-5/8"	-	-
K8	8"	8-5/8"	-	-

B1 PARTITION TYPE - K (FURRING)
1 1/2" = 1'-0"

G

SECTION



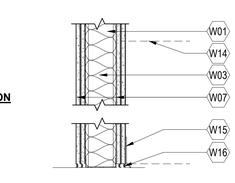
PLAN

TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
G0	-	-	-	-	-
G1	-	-	-	-	-
G2	2"	2 5/8"	-	-	-
G3	-	-	-	-	-
G4	-	-	-	-	-
G6	-	-	-	-	-
G8	-	-	-	-	-

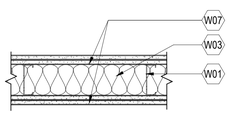
B3 PARTITION TYPE - G (WATER BARRIER)
1 1/2" = 1'-0"

C

SECTION



PLAN



TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
C0	-	-	-	-	-
C1	1-5/8"	2-7/8"	-	-	-
C2	2-1/2"	3-3/4"	-	-	-
C3	3-5/8"	4-7/8"	2 HR	UL-U419	53
C4	4"	5-1/4"	2 HR	UL-U419	-
C6	6"	7-1/4"	2 HR	UL-U419	-
C8	8"	9-1/4"	2 HR	UL-U419	-

B5 PARTITION TYPE - C (DBL. GYP. BD.)
1 1/2" = 1'-0"

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

GENERAL NOTES:

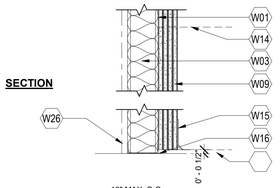
1. MAXIMUM STUD HEIGHT IS 12'-0", FOR HEIGHTS UP TO 16-FEET USE 43 MILL STUDS.
2. FOR PARTITONS SUPPORTING EQUIPMENT, DISTRIBUTING UP TO 152 POUNDS TOTAL VERTICAL LOAD PER STUD, USE 43 MIL STUDS.

SHEET KEYNOTES

KEY TAG	DESCRIPTION
W01	LIGHT GAUGE METAL FRAMING
W02	5/8" TYPE X MILDEW RESISTANT GYPSUM WALLBOARD
W03	FULL-HEIGHT SOUND ATTENUATION BATT INSULATION WHERE ACOUSTIC SCHEDULED (SEE CHARACTER 3 IN PARTITION TAG)
W04	MIN. 4 PCF MINERAL FIBER INSULATION THICKNESS 1/2" GREATER THAN GAP
W05	1" GYPSUM SHAFT LINER PANEL
W06	(1) LAYER 5/8" TYPE X GYPSUM BOARD
W07	(2) LAYERS 5/8" TYPE X GYPSUM BOARD
W08	(3) LAYERS 5/8" TYPE X GYPSUM BOARD
W09	(4) LAYERS 5/8" TYPE X GYPSUM BOARD
W10	2 1/4" x 3 5/8" x 7 5/8" SOLID CONCRETE BRICK, INSTALL CONCRETE CONSRUCTION ADHESIVE AT ALL VERTICAL JOINTS , FULL HEIGHT
W11	SELF-ADHERED WATERSTOP GASKET
W12	CONTINUOUS BEAD OF CONCRETE CONSTRUCTION ADHESIVE ON EACH SIDE OF WATERSTOP
W14	CEILING AS SCHEDULED, REFER TO FINISH SCHEDULE
W15	BASE AS SCHEDULED, REFER TO SHEET AE602
W16	ACOUSTICAL SEALANT, BOTH SIDES AT TOP AND BOTTOM OF PARTITION
W17	1/2" GYPSUM SHEATHING BOARD
W18	J-PROFILE TRACK
W19	J-PROFILE TRACK W/ 0.1875" DIA POWDER DRIVEN FASTENERS @ 24" O.C.
W20	FIRE-RATED SEALANT
W21	SEALANT
W22	C-H STUDS @ 24" O.C., STANDARD TRACK @ ELEVATOR SHAFT WALLS. SEE PARTITION TAG FOR STUD SIZE.
W23	EXISTING WALL
W24	SLOTTED SLIP TRACK, SEE STRUCTURAL FOR ATTACHMENT
W25	2" 43 MIL Z-FURRING CHANNEL AT 16" ON CENTER HORIZONTIALLY
W25	SELF-ADHERED WATERPROOFING SHEET, EXTEND 2-INCHES HORIZONTALLY AT FLOOR, SEAL WATERTIGHT AT ADJACENT ABUTMENTS
W26	FACE OF BACKUP WALL
W27	HILTI CP 672 SPRAY FIRESTOPPING
W28	APPROVED FIRESTOPPING SYSTEM
W29	ALIGN NEW AND EXISTING GYPSUM BOARD, FINISHES TO MATCH
W30	2 3/4" x2 3/4" x 2 1/2" L 54 MIL CLIP ANGLE AT EACH STUD AND 4'-0" O.C. HORIZONTALLY WITH (1) #8 SMS TO STUD AND (2) #8 SMS TO BACKING PLATE IN ADJACENT WALL.
W30	CONNECTION AT EXISTING WALL TO NEW PARTITION, REFERENCE F1/00-AE524
W31	1/2" PLYWOOD SHEATHING
W32	METAL SPANDREL PANEL 'M1'

J

SECTION



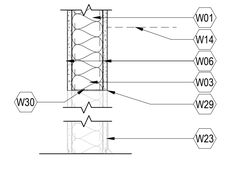
PLAN

TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
J0	7/8"	3 3/8"	2HR	UL V497	-
J1	1-5/8"	4 1/8"	2HR	UL V497	-
J2	2-1/2"	5"	2HR	UL V497	-
J3	3-5/8"	6 1/8"	2HR	UL V497	-
J4	4"	6 1/2"	2HR	UL V497	-
J6	6"	8 1/2"	2HR	UL V497	-
J8	8"	10 1/2"	2HR	UL V497	-

D1 PARTITION TYPE - J (RATED FURRING)
1 1/2" = 1'-0"

F

SECTION



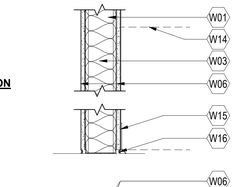
PLAN

TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
F0	MATCH EXISTING		-	-	-
F1	-	-	-	-	-
F2	-	-	-	-	-
F3	-	-	-	-	-
F4	-	-	-	-	-
F6	-	-	-	-	-
F8	-	-	-	-	-

D3 PARTITION TYPE - F (E) WALL TO DECK
1 1/2" = 1'-0"

B

SECTION



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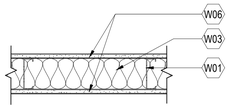


TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
B0	-	-	-	-	-
B1	1-5/8"	2-7/8"	-	-	-
B2	2-1/2"	3-3/4"	-	-	-
B3	3-5/8"	4-7/8"	1 HR	UL-U419	45-47
B4	4"	5-1/4"	1 HR	UL-U419	-
B6	6"	7-1/4"	1 HR	UL-U419	46-48
B8	8"	9-1/4"	1 HR	UL-U419	-

D5 PARTITION TYPE - B (SGL. GYP. BD.)
1 1/2" = 1'-0"

FIRST AND SECOND CHARACTER TOGETHER ARE "TYPE" IN THE PARTITION TYPE DETAILS

NOTE: PARTITION TAGS ARE READ LEFT TO RIGHT.

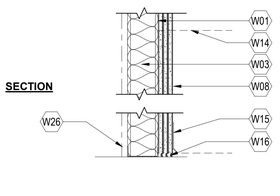
1. THE FIRST CHARACTER IN THE TAG INDICATES WHICH DETAIL TO REFERENCE FOR THE PARTITION CONSTRUCTION.
2. THE SECOND CHARACTER IN THE TAG INDICATES A REFERENCE FOR THE STRUCTURAL MEMBER (METAL STUD OR CMU) THICKNESS.
   - **0 = 7/8"**
   - **1 = 1-5/8"**
   - **2 = 2-1/2"**
   - **3 = 3-5/8"**
   - **4 = 4"**
   - **5 = Not used**
   - **6 = 6"**
   - **8 = 8"**
3. THE THIRD CHARACTER IN THE TAG INDICATES SUB-TYPE:
   - **A = ACOUSTIC PARTITION**
   - **B = SMOKE PARTITION**
   - **C = FIRE PARTITION**
   - **D = ACOUSTIC /SMOKE PARTITION**
   - **E = ACOUSTIC/FIRE-RATED PARTITION**
   - **F = SMOKE/FIRE-RATED PARTITION**
   - **G = ACOUSTIC/SMOKE/FIRE-RATED PARTITION**

THE FOURTH CHARACTER, IS FOR SPECIAL CONSTRUCTION

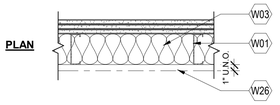
4. CONDITIONS AS NOTED SUCH AS HEAD PARTITION DETAILS. SEE BELOW FOR STANDARD HEAD CONDITIONS.
   - **1 = PARTITION 6" ABOVE CEILING (REF. DETAIL F7 / 00-AE526)**
   - **2 = PARTITION TO UNDERSIDE OF STRUCTURE (REF. DETAIL B_ / 00-AE524)**
   - **3 = PARTITION TO UNDERSIDE OF CEILING (REF. DETAIL F5 / 00-AE526)**
   - **4 = PARTIAL HEIGHT PARTITION, SEE ELEVATIONS FOR SCHEDULED HEIGHT**

H

SECTION



PLAN

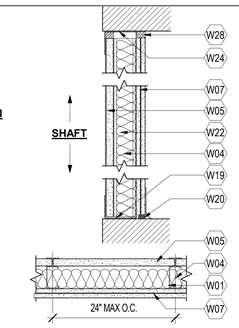


TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
H0	7/8"	2 3/4"	-	-	-
H1	1-5/8"	3 1/2"	-	-	-
H2	2-1/2"	4 3/8"	-	-	-
H3	3-5/8"	5 1/2"	1HR	UL V497	-
H4	4"	5 7/8"	1HR	UL V497	-
H6	6"	7 7/8"	1HR	UL V497	-
H8	8"	9 7/8"	1HR	UL V497	-

F1 PARTITION TYPE - H (RATED FURRING)
1 1/2" = 1'-0"

E

SECTION



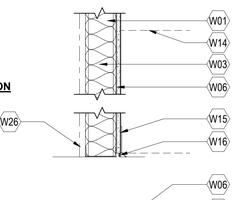
PLAN

TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
E0		-	-	-	-
E1	-	-	-	-	-
E2	2-1/2" CT	3-3/4"	2 HR	UL 415	-
E3	-	-	-	-	-
E4	4"	5-1/4"	2HR	UL 415	48-50
E6	6"	7-1/4"	2HR	UL 415	48-50
E8	-	-	-	-	-

F3 PARTITION TYPE - E (SHAFTWALL)
1 1/2" = 1'-0"

A

SECTION



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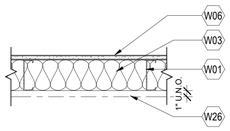

TYPE	STUD SIZE	PARTITION THK.	FIRE TEST #	STC RATING
A0	7/8"	1-1/2"	-	-
A1	1-5/8"	2-1/4"	-	-
A2	2-1/2"	3-1/8"	-	-
A3	3-5/8"	4-1/4"	-	-
A4	4"	4-5/8"	-	-
A6	6"	6-5/8"	-	-
A8	8"	8-5/8"	-	-

F5 PARTITION TYPE - A (FURRING)
1 1/2" = 1'-0"

01. DIMENSIONS ARE MEASURED TO FACE OF STRUCTURAL WALL, GRID AND/OR STURUCTURAL OPENING, U.N.O.
02. INTERIOR DIMENSIONS ARE MEASURED TO METAL STUD AND/OR STRUCTURAL GRID LINE, U.N.O.
03. STUD SPACING IS 16" INCHES ON CENTER MAX., U.N.O.
04. ALL STUD GAUGES AND LIMITING HEIGHTS IN GYPSUM WALL BOARD REFERENCE SPECIFICATIONS.
05. ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE SHALL BE INSULATED.
06. THE FOLLOWING LIST OF ROOMS (IF USED) SHALL HAVE THEIR PERIMETER PARTITIONS INSULATED USING MINERAL WOOL: ALL ELECT./MECH. ROOMS, A/V EQUIPMENT/LIGHTING ROOMS
07. THE FOLLOWING LIST OF ROOMS (IF USED) SHALL HAVE THEIR PERIMETER PARTITIONS INSULATED WITH SOUND ATTENUATION BATTS AS SPECIFIED: TOILET ROOMS, OFFICES
08. ALL INTERIOR ROOF DRAINS AND OVERFLOW DRAINS TO BE WRAPPED CONTINUOUSLY WITH SOUND ATTENUATION INSULATION.
09. REFER TO PLANS FOR LOCATION OF PARTITION TYPES. B3 IS THE TYPICAL PARTITION TYPE U.N.O.
10. INSTALL FRAMING AND GYPSUM WALL BOARD TO OFFSET AROUND STRUCTURAL MEMBERS OR OTHER OBSTRUCTIONS TO MAINTAIN FIRE RESISTIVE RATINGS.
11. WHERE GYPSUM WALL BOARD EXTENDS TO THE UNDERSIDE OF STRUCTURE, STOP GYPSUM WALL BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL AS REQUIRED.
12. FIRE RESISTANT, RATED PARTITIONS TO BE INSTALLED WITH FIRESTOP SEALANT, U.N.O.
13. NON-RATED PARTITIONS TO BE INSTALLED WITH ACOUSTICAL SEALANT, U.N.O.
14. REFER MECHANICAL DRAWINGS FOR DETAILS ON PIPE PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AS WELL AS RATED PARTITIONS. COMPLY WITH REQUIREMENTS IN SECTION 07 84 00 - FIRESTOPPING.
15. INSTALL FIRE RETARDANT, TREATED BLOCKING IN PARTITIONS AS REQUIRED ON DRAWINGS.
16. ALL "WET" PARTITIONS SHALL BE CONSTRUCTED OF CEMENTTIOUS BACKER BOARD.
17. ALL PARTITIONS SCHEDULED TO RECEIVE TILE OR FRP, SHALL BE CONSTRUCTED OF GLASS-MAT FACED GYPSUM BOARD.
18. PER MOLD PREVENTION GUIDELINES, DO NOT INSTALL GYPSUM WALL BOARD IN DIRECT CONTACT WITH THE FLOOR. ALL PARTITIONS SHALL BE SHIMMED 1/2" OFF THE FLOOR WITH NON-POROUS SHIMS. PLASTIC NON-POROUS HORSESHOE SHIMS ARE RECOMMENDED. GYPSUM WALL BOARD SHIMS ARE NOT ACCEPTABLE.
19. COMPLY WITH REQUIREMENTS IN SECTION 09 91 00 - PAINTING FOR PARTITION STENCILING.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA EUGENE H. KLOW No. RA407611

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	INTERIOR ASSEMBLIES
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Project Number	646-22-700
Building Number	0
Drawing Number	00-AE520
Issue Date	06.13.2025
Checked	
Drawn	
	SHEET 15 of 797

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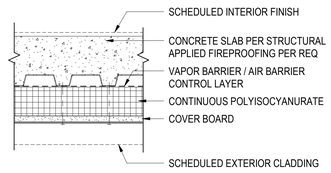
22

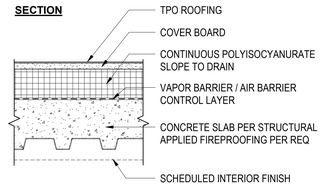
SECTION



TYPE	THK	R VALUE	FIRE RATING	FIRE TEST #	STC RATING
21	PER STRUC	R30	2 HR	-	-
-	-	-	-	-	-
-	-	-	-	-	-

21

SECTION

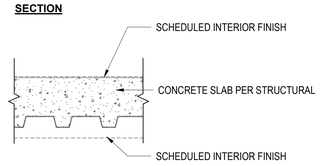


TYPE	THK	R VALUE	FIRE RATING	FIRE TEST #	STC RATING
21	PER STRUC	R30	2 HR	-	-
-	-	-	-	-	-
-	-	-	-	-	-

D3 FLOOR TYPE - 21 (TYP ROOF)
1 1/2" = 1'-0"

20

SECTION

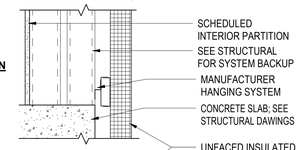


TYPE	THK	R VALUE	FIRE RATING	FIRE TEST #	STC RATING
20	PER STRUC	-	2 HR	-	-
-	-	-	-	-	-
-	-	-	-	-	-

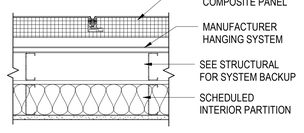
F3 FLOOR TYPE - 20 (TYP DECK)
1 1/2" = 1'-0"

Y

SECTION



PLAN

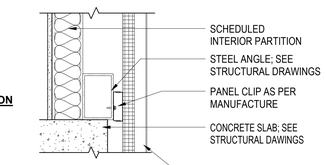


TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
Y0	-	-	-	-	-
Y1	-	-	-	-	-
Y2	-	-	-	-	-
Y3	-	2 3/4"	-	-	-
Y4	-	-	-	-	-
Y6	-	-	-	-	-
Y8	-	-	-	-	-

D5 EXTERIOR WALL TYPE - Y (UNFACED IMP)
1 1/2" = 1'-0"

X

SECTION



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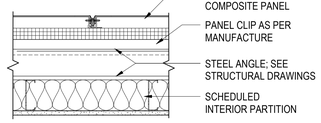

TYPE	STUD SIZE	PARTITION THK.	FIRE RATING	FIRE TEST #	STC RATING
X0	-	-	-	-	-
X1	-	-	-	-	-
X2	-	-	-	-	-
X3	-	3"	-	-	-
X4	-	-	-	-	-
X6	-	-	-	-	-
X8	-	-	-	-	-

F5 EXTERIOR WALL TYPE - X (IMP)
1 1/2" = 1'-0"

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

FIRST AND SECOND CHARACTER TOGETHER ARE "TYPE" IN THE PARTITION TYPE DETAILS

NOTE: PARTITION TAGS ARE READ LEFT TO RIGHT.

1. THE FIRST CHARACTER IN THE TAG INDICATES WHICH DETAIL TO REFERENCE FOR THE PARTITION CONSTRUCTION.
2. THE SECOND CHARACTER IN THE TAG INDICATES A REFERENCE FOR THE STRUCTURAL MEMBER (METAL STUD OR CMU) THICKNESS.
   - **0 = 7/8"**
   - **1 = 1-5/8"**
   - **2 = 2-1/2"**
   - **3 = 3-5/8"**
   - **4 = 4"**
   - **5 = Not used**
   - **6 = 6"**
   - **8 = 8"**
3. THE THIRD CHARACTER IN THE TAG INDICATES SUB-TYPE:
   - **A = ACOUSTIC PARTITION**
   - **B = SMOKE PARTITION**
   - **C = FIRE PARTITION**
   - **D = ACOUSTIC /SMOKE PARTITION**
   - **E = ACOUSTIC/FIRE-RATED PARTITION**
   - **F = SMOKE/FIRE-RATED PARTITION**
   - **G = ACOUSTIC/SMOKE/FIRE-RATED PARTITION**

   THE FOURTH CHARACTER, IS FOR SPECIAL CONSTRUCTION
4. CONDITIONS AS NOTED SUCH AS HEAD PARTITION DETAILS. SEE BELOW FOR STANDARD HEAD CONDITIONS.
   - **1 = PARTITION 6" ABOVE CEILING (REF. DETAIL F7 / 00-AE526)**
   - **2 = PARTITION TO UNDERSIDE OF STRUCTURE (REF. DETAIL B_ / 00-AE524)**
   - **3 = PARTITION TO UNDERSIDE OF CEILING (REF. DETAIL F5 / 00-AE526)**
   - **4 = PARTIAL HEIGHT PARTITION, SEE ELEVATIONS FOR SCHEDULED HEIGHT**

01. DIMENSIONS ARE MEASURED TO FACE OF STRUCTURAL WALL, GRID AND/OR STURUCTURAL OPENING, U.N.O.
02. INTERIOR DIMENSIONS ARE MEASURED TO METAL STUD AND/OR STRUCTURAL GRID LINE, U.N.O.
03. STUD SPACING IS 16" INCHES ON CENTER MAX., U.N.O.
04. ALL STUD GAUGES AND LIMITING HEIGHTS IN GYPSUM WALL BOARD REFERENCE SPECIFICATIONS.
05. ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE SHALL BE INSULATED.
06. THE FOLLOWING LIST OF ROOMS (IF USED) SHALL HAVE THEIR PERIMETER PARTITIONS INSULATED USING MINERAL WOOL: ALL ELECT./MECH. ROOMS, A/V EQUIPMENT/LIGHTING ROOMS
07. THE FOLLOWING LIST OF ROOMS (IF USED) SHALL HAVE THEIR PERIMETER PARTITIONS INSULATED WITH SOUND ATTENUATION BATTS AS SPECIFIED: TOILET ROOMS, OFFICES
08. ALL INTERIOR ROOF DRAINS AND OVERFLOW DRAINS TO BE WRAPPED CONTINUOUSLY WITH SOUND ATTENUATION INSULATION.
09. REFER TO PLANS FOR LOCATION OF PARTITION TYPES. B3 IS THE TYPICAL PARTITION TYPE U.N.O.
10. INSTALL FRAMING AND GYPSUM WALL BOARD TO OFFSET AROUND STRUCTURAL MEMBERS OR OTHER OBSTRUCTIONS TO MAINTAIN FIRE RESISTIVE RATINGS.
11. WHERE GYPSUM WALL BOARD EXTENDS TO THE UNDERSIDE OF STRUCTURE, STOP GYPSUM WALL BOARD 1/2" BELOW LINE OF STRUCTURE AND SEAL AS REQUIRED.
12. FIRE RESISTANT, RATED PARTITIONS TO BE INSTALLED WITH FIRESTOP SEALANT, U.N.O.
13. NON-RATED PARTITIONS TO BE INSTALLED WITH ACOUSTICAL SEALANT, U.N.O.
14. REFER MECHANICAL DRAWINGS FOR DETAILS ON PIPE PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AS WELL AS RATED PARTITIONS. COMPLY WITH REQUIREMENTS IN SECTION 07 84 00 - FIRESTOPPING.
15. INSTALL FIRE RETARDANT, TREATED BLOCKING IN PARTITIONS AS REQUIRED ON DRAWINGS.
16. ALL "WET" PARTITIONS SHALL BE CONSTRUCTED OF CEMENTTIOUS BACKER BOARD.
17. ALL PARTITIONS SCHEDULED TO RECEIVE TILE OR FRP, SHALL BE CONSTRUCTED OF GLASS-MAT FACED GYPSUM BOARD.
18. PER MOLD PREVENTION GUIDELINES, DO NOT INSTALL GYPSUM WALL BOARD IN DIRECT CONTACT WITH THE FLOOR. ALL PARTITIONS SHALL BE SHIMMED 1/2" OFF THE FLOOR WITH NON-POROUS SHIMS. PLASTIC NON-POROUS HORSESHOE SHIMS ARE RECOMMENDED. GYPSUM WALL BOARD SHIMS ARE NOT ACCEPTABLE.
19. COMPLY WITH REQUIREMENTS IN SECTION 09 91 00 - PAINTING FOR PARTITION STENCILING.

GENERAL NOTES:

1. MAXIMUM STUD HEIGHT IS 12'-0", FOR HEIGHTS UP TO 16-FEET USE 43 MILL STUDS.
2. FOR PARTITONS SUPPORTING EQUIPMENT, DISTRIBUTING UP TO 152 POUNDS TOTAL VERTICAL LOAD PER STUD, USE 43 MIL STUDS.

SHEET KEYNOTES

KEY TAG	DESCRIPTION
W01	LIGHT GAUGE METAL FRAMING
W02	5/8" TYPE X MILDEW RESISTANT GYPSUM WALLBOARD
W03	FULL-HEIGHT SOUND ATTENUATION BATT INSULATION WHERE ACOUSTIC SCHEDULED (SEE CHARACTER 3 IN PARTITION TAG)
W04	MIN. 4 PCF MINERAL FIBER INSULATION THICKNESS 1/2" GREATER THAN GAP
W05	1" GYPSUM SHAFT LINER PANEL
W06	(1) LAYER 5/8" TYPE X GYPSUM BOARD
W07	(2) LAYERS 5/8" TYPE X GYPSUM BOARD
W08	(3) LAYERS 5/8" TYPE X GYPSUM BOARD
W09	(4) LAYERS 5/8" TYPE X GYPSUM BOARD
W10	2 1/4" x 3 5/8" x 7 5/8" SOLID CONCRETE BRICK, INSTALL CONCRETE CONSRUCTION ADHESIVE AT ALL VERTICAL JOINTS , FULL HEIGHT
W11	SELF-ADHERED WATERSTOP GASKET
W12	CONTINUOUS BEAD OF CONCRETE CONSTRUCTION ADHESIVE ON EACH SIDE OF WATERSTOP
W14	CEILING AS SCHEDULED, REFER TO FINISH SCHEDULE
W15	BASE AS SCHEDULED, REFER TO SHEET AE602
W16	ACOUSTICAL SEALANT, BOTH SIDES AT TOP AND BOTTOM OF PARTITION
W17	1/2" GYPSUM SHEATHING BOARD
W18	J-PROFILE TRACK
W19	J-PROFILE TRACK W/ 0.1875" DIA POWDER DRIVEN FASTENERS @ 24" O.C.
W20	FIRE-RATED SEALANT
W21	SEALANT
W22	C-H STUDS @ 24" O.C., STANDARD TRACK @ ELEVATOR SHAFT WALLS. SEE PARTITION TAG FOR STUD SIZE.
W23	EXISTING WALL
W24	SLOTTED SLIP TRACK, SEE STRUCTURAL FOR ATTACHMENT
W25	2" 43 MIL Z-FURRING CHANNEL AT 16" ON CENTER HORIZONTIALLY
W25	SELF-ADHERED WATERPROOFING SHEET, EXTEND 2-INCHES HORIZONTALLY AT FLOOR, SEAL WATERTIGHT AT ADJACENT ABUTMENTS
W26	FACE OF BACKUP WALL
W27	HILTI CP 672 SPRAY FIRESTOPPING
W28	APPROVED FIRESTOPPING SYSTEM
W29	ALIGN NEW AND EXISTING GYPSUM BOARD, FINISHES TO MATCH
W30	2 3/4" x2 3/4" x 2 1/2" L 54 MIL CLIP ANGLE AT EACH STUD AND 4'-0" O.C. HORIZONTALLY WITH (1) #8 SMS TO STUD AND (2) #8 SMS TO BACKING PLATE IN ADJACENT WALL.
W30	CONNECTION AT EXISTING WALL TO NEW PARTITION, REFERENCE F1/00-AE524
W31	1/2" PLYWOOD SHEATHING
W32	METAL SPANDREL PANEL 'M1'

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA EUGENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	EXTERIOR ASSEMBLIES
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	0
Drawing Number	00-AE521
	SHEET 16 of 797

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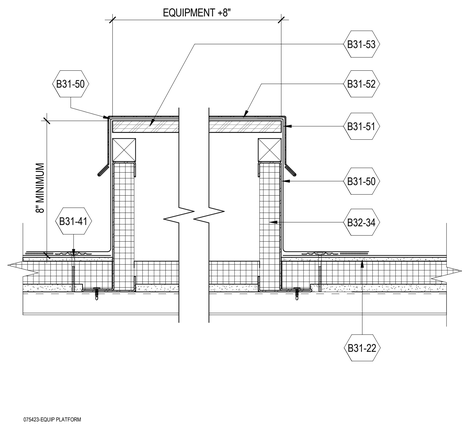
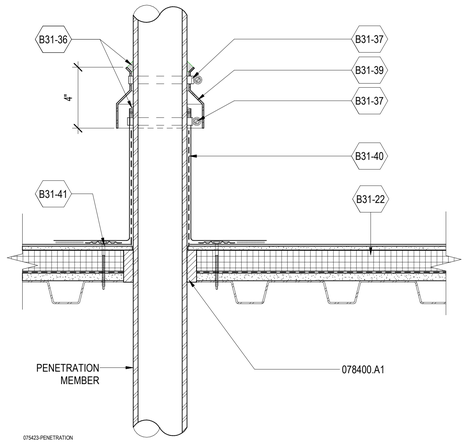
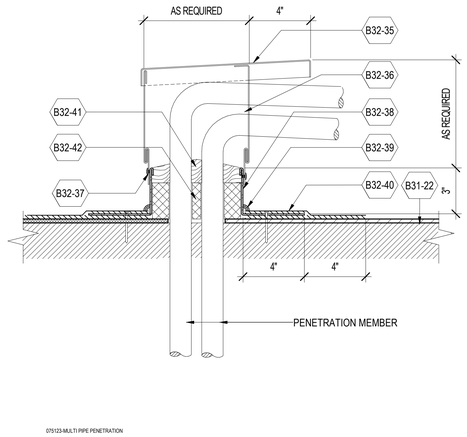


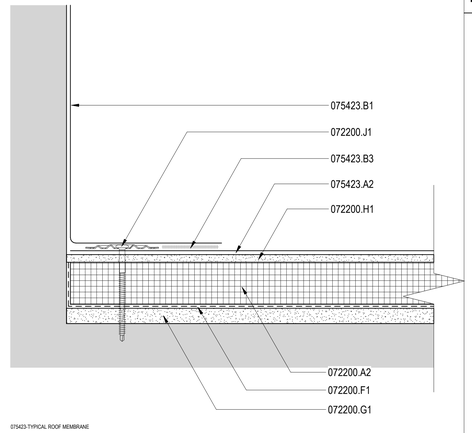
B1 EQUIP CURB FLASHING
3" = 1'-0"



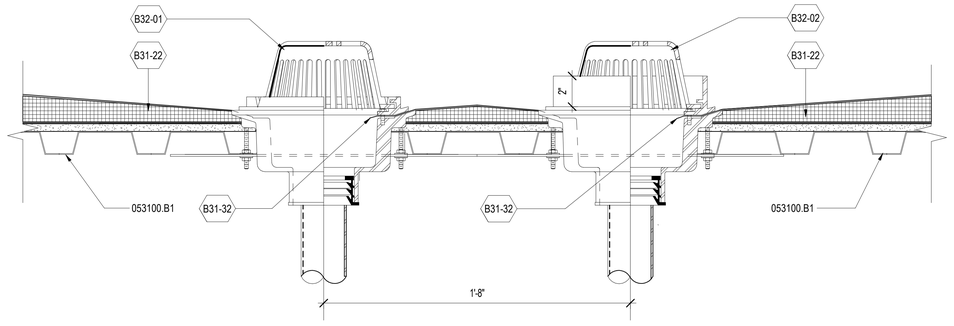
B3 PENETRATION FLASHING
3" = 1'-0"



B5 MULTI-PENETRATION FLASHING
3" = 1'-0"



B7 TYPICAL ROOF MEMBRANE
6" = 1'-0"



D5 PENETRATION FLASHING
3" = 1'-0"

REFERENCE KEYNOTES

053100.B1	STEEL DECKING, ROOF, SEE STRUCTURAL DRAWINGS
072200.A2	ROOF AND DECK INSULATION, TAPERED ROOF INSULATION SYSTEM, R-VALUE AS INDICATED ON DRAWINGS
072200.F1	ROOF AND DECK INSULATION, ACCESSORIES, VAPOR RETARDER
072200.G1	ROOF AND DECK INSULATION, ACCESSORIES, SUBSTRATE BOARD
072200.H1	ROOF AND DECK INSULATION, ACCESSORIES, COVER BOARD
072200.J1	ROOF AND DECK INSULATION, ACCESSORIES, FASTENERS
075423.A2	TPO REINFORCED MEMBRANE
075423.B1	MEMBRANE ACCESSORY MATERIAL, SHEET FLASHING
075423.B3	MEMBRANE ACCESSORY MATERIAL, BONDING ADHESIVE
078400.A1	FIRESTOP SYSTEM

SHEET KEYNOTES

B31-22	ROOFING SYSTEM
B31-32	HOLE IN MEMBRANE SHALL EXTEND A MINIMUM OF 13 MM (1/2-INCH) BEYOND CLAMPING RING AND LARGER THAN DIAMETER OF LEADER PIPE
B31-36	MANUFACTURER'S RECOMMENDED SEALANT TO CLEAN SURFACE
B31-37	STAINLESS STEEL HOSE CLAMP
B31-39	24-GAUGE GALVANIZED SHEET METAL STORM COLLAR
B31-40	FACTORY FORMED FLASHING
B31-41	MANUFACTURER'S MEMBRANE SECUREMENT
B31-50	TPO CUSTOM CURB FLASHING WITH BONDING ADHESIVE BETWEEN CURB AND FLASHING
B31-51	GALVANIZED STEEL FLASHING EXTENSION
B31-52	GALVANIZED SHEET METAL CAP WITH WATERTIGHT JOINTS
B31-53	19 MM (3/4 INCH) PLYWOOD, FIRE-RETARDANT-TREATED
B32-01	ROOF DRAIN, SEE PLUMBING DRAWINGS
B32-02	OVERFLOW DRAIN, SEE PLUMBING DRAWINGS
B32-34	PRE-FABRICATED ROOF CURB WITH CUSTOM SLOPE TO PROVIDE LEVEL TOP
B32-35	24-GAUGE GALVANIZED SHEET METAL ENCLOUSURE WITH REMOVABLE TOP, CROOSBREAK OR SLOPE FOR DRAINAGE
B32-36	24-GAUGE GALVANIZED SHEET METAL OR FLEX TUBE COLLAR
B32-37	24-GAUGE GALVANIZED SHEET METAL FLASHING RECEIVER
B32-38	24-GAUGE SHEET METAL PENETRATION PAN FULLY SOLDERED WATERTIGHT SET IN A FULL BED OF UTILITY OR FLASHING CEMENT
B32-39	CANTED BEAD OF COMPATIBLE UTILITY CEMENT
B32-40	COMPATIBLE COMPOSITE REINFORCED CAP SHEET MEMBRANE WITH ROUNDED CORNERS SET IN FULL BED OF UTILITY OR FLASHING CEMENT
B32-41	FILL WITH COMPATIBLE ROOFING CEMENT
B32-42	NON-SHRINK GROUT 1-INCH FROM TOP OF PAN

3 0 3
6" = 1'-0" SCALE INCHES

6 0 6
3" = 1'-0" SCALE INCHES

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
JEAN H. KLOW No. RA407434

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ROOF DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 0
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 00-AE522
			SHEET 17 of 797

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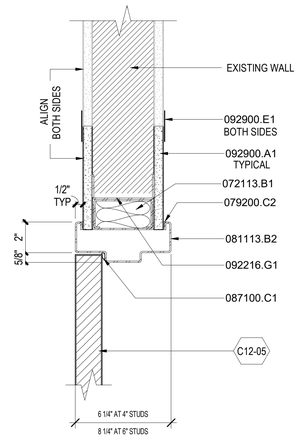
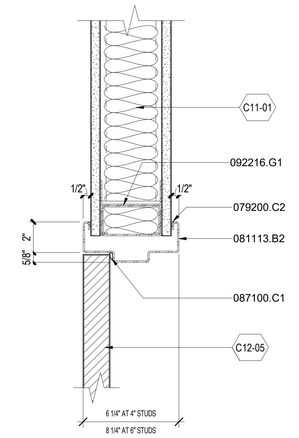
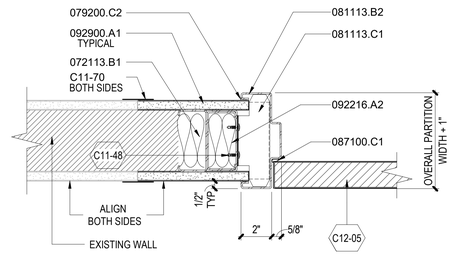


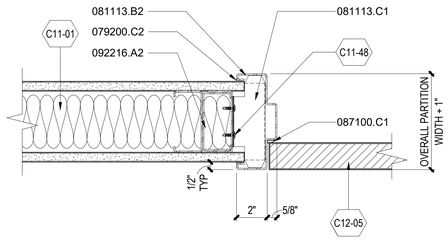
B5 HOLLOW METAL FRAME - HEAD @ EXIST WALL
3" = 1'-0"



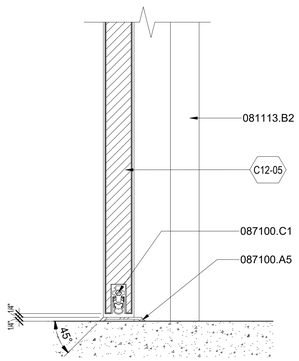
B7 HOLLOW METAL FRAME - HEAD
3" = 1'-0"



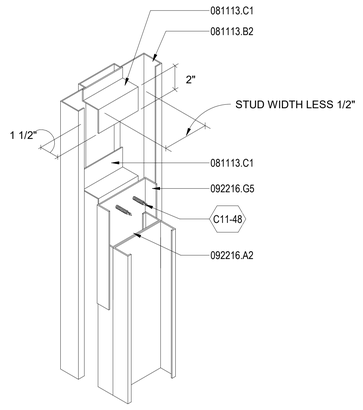
D5 HOLLOW METAL FRAME - JAMB @ EXIST WALL
3" = 1'-0"



D7 HOLLOW METAL FRAME - JAMB
3" = 1'-0"



F5 DOOR THRESHOLD
3" = 1'-0"



F7 DOOR FRAME ANCHORAGE
SCALE: NO SCALE

REFERENCE KEYNOTES

072113.B1	INSULATION, ACOUSTICAL, SEMI RIGID, BATTS AND BLANKETS
079200.C2	SEALANT, INTERIOR, S-1, VERTICAL AND HORIZONTAL SURFACES, ALL AROUND FRAME, BOTH SIDES
081113.B2	HOLLOW METAL FRAME, DOUBLE RABBET
081113.C1	FRAME ANCHOR, SNAP-IN OR WELDED ZEE CLIP
087100.A5	DOOR HARDWARE, THRESHOLD, SEE HARDWARE GROUP FOR TYPE AND SIZE
087100.C1	DOOR HARDWARE, SELF-ADHESIVE DOOR SEAL WHERE INDICATED BY HARDWARE GROUP, PROVIDE DOOR MUTES ELSEWHERE
092216.A2	NON-STRUCTURAL METAL FRAMING, JAMB STUD
092216.G1	NON-STRUCTURAL METAL FRAMING, HEADER
092216.G5	33 MIL UNPUNCHED TRACK, WIDTH TO MATCH STUD TO ENCLOSE STUD
092900.A1	GYPSUM BOARD
092900.E1	FINISH JOINT

SHEET KEYNOTES

C11-01	INTERIOR NON-BEARING WALL (GYPSUM BOARD, ON METAL STUDS, SEE WALL TYPE PLAN, SHEET AE520)
C11-48	(2) #10 SELF-TAPPING FRAMING SCREWS AT EACH ANCHOR
C11-70	TOP TRACK WITH (1) POWDER ACTUATED FASTNER AT EACH FLUTE
C12-05	DOOR PANEL PER SCHEDULE

3" = 1'-0" SCALE 6 0 6 INCHES

6" = 1'-0" SCALE 3 0 3 INCHES

Revisions:	Date:

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ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA
JEAN H. KLOW No. RA407104

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DOOR DETAILS	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Building Number: 0	Drawing Number: 00-AE523
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	
Issue Date: 06.13.2025	Checked / Drawn

SHEET 18 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.G.PIT EHRM.rvt
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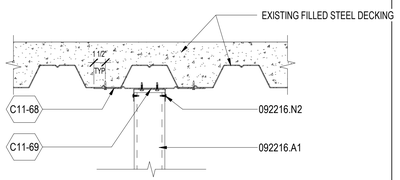
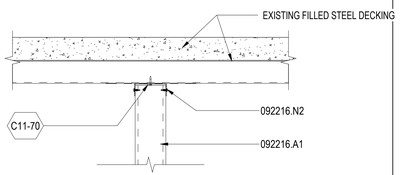


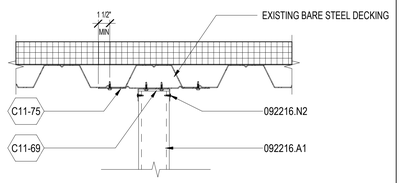
PARTITION PARALLEL TO DECK



PARTITION PERPENDICULAR TO DECK

B1 FIXED HEAD OF WALL CONNECTION

1 1/2" = 1'-0"



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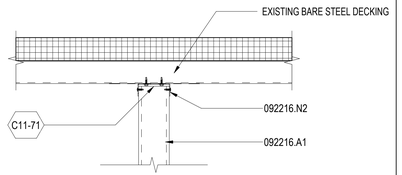
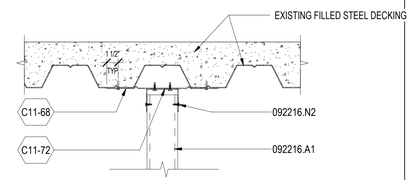


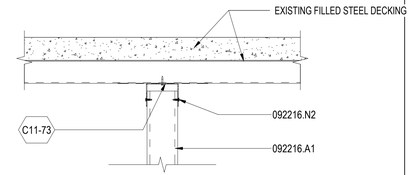
PARTITION PERPENDICULAR TO DECK

B3 FIXED CONNECTION TO BARE METAL DECK

1 1/2" = 1'-0"



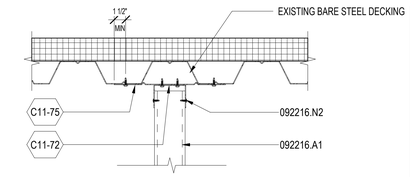
PARTITION PARALLEL TO DECK



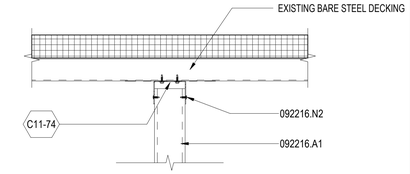
PARTITION PERPENDICULAR TO DECK

B5 SLIP HEAD OF WALL CONNECTION

1 1/2" = 1'-0"



PARTITION PARALLEL TO DECK



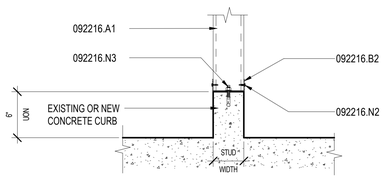
PARTITION PERPENDICULAR TO DECK

B7 SLIP CONNECTION AT BARE METAL DECK

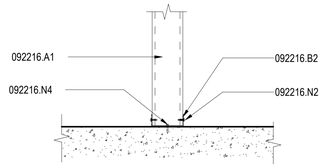
1 1/2" = 1'-0" REF FROM: F3 / 00-AE524

REFERENCE KEYNOTES

092216.A1	NON-STRUCTURAL METAL FRAMING, STEEL STUD, SEE WALL TYPES FOR SIZE, GUAGE, AND SPACING
092216.A2	NON-STRUCTURAL METAL FRAMING, JAMB STUD
092216.B2	STEEL TRACK MATCHING STUD
092216.B3	STEEL SLOTTED DEFLECTION TRACK MATCHING STUD
092216.B4	UNPUNCHED TRACK, MATCHING STUD, 33 MIL MINIMUM
092216.G1	NON-STRUCTURAL METAL FRAMING, HEADER
092216.G4	HEADER STUD TO MATCH WALL STUD (33 MIL MINIMUM), SEE WALL TYPES
092216.G6	CRIPPLE STUD
092216.G7	INFILL STUD
092216.N2	FASTENER, #10 SELF-TAPPING FRAMING SCREWS AT EACH STUD, EACH SIDE
092216.N3	FASTENER, 9.525 MM (3/8-INCH) DRILLED EXPANSION ANCHOR AT 812.8 MM (32-INCHES) ON CENTER
092216.N4	BOTTOM CONNECTION, POWDER ACTUATED FASTENERS (PAF) (ICC-ESESR-2138), 406 MM (16-INCHES) ON CENTER OR 9.525 MM (3/8-INCH) DRILLED EXPANSION ANCHOR AT 812.8 MM (32-INCHES) ON CENTER AT WALLS SUPORTING CASEWORK PAF ARE NOT ALLOWED
092216.N5	#10 SHEET METAL SCREW EACH SIDE AT 16" ON CENTER
092900.A1	GYPSUM BOARD
092900.E1	FINISH JOINT



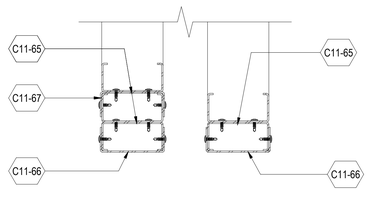
CONDITION WITH CURB



CONDITION WITHOUT CURB

D1 BOTTOM TRACK ANCHORAGE

1 1/2" = 1'-0" REF FROM: F3 / 00-AE524

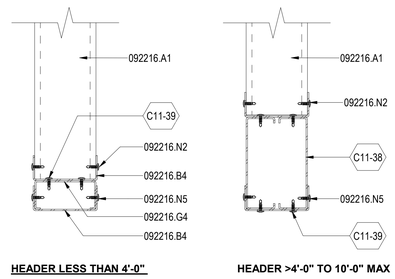


TRIPLE JAMB STUD
> 4-FT TO 10-FT MAX

DOUBLE JAMB STUD
4-FT AND UNDER

D3 TIED JAMB STUDS

3" = 1'-0"

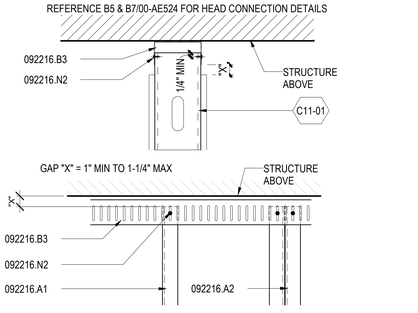


HEADER LESS THAN 4'-0"

HEADER >4'-0" TO 10'-0" MAX

D5 HEADER AT OPENING

3" = 1'-0"



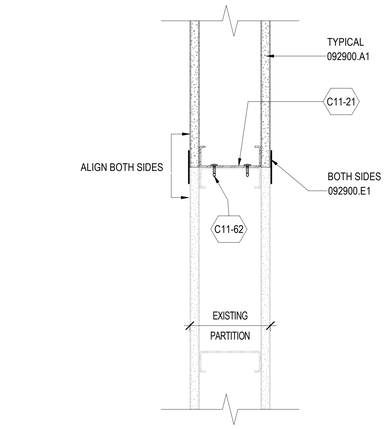
AT FIRE RATED ASSEMBLIES USE COMPOSITE FIRESTOP/FRAMING PER UL HW-D-0792

D7 TOP TRACK ANCHORAGE

1 1/2" = 1'-0" REF FROM: F3 / 00-AE524

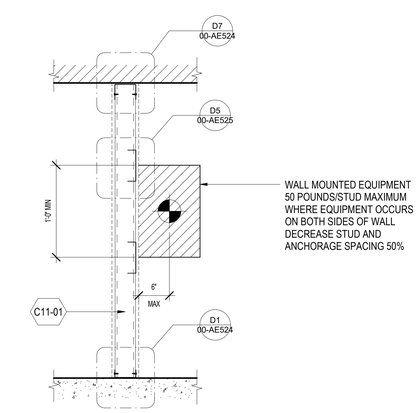
SHEET KEYNOTES

C11-01	INTERIOR NON-BEARING WALL (GYPSUM BOARD, ON METAL STUDS, SEE WALL TYPE PLAN, SHEET AE520)
C11-21	METAL STUDS AT 16-INCHES ON CENTER. WHERE EXISTING STUDS DO NOT MATCH CONVENTION SIZE USE SMALLER STUD BACK-TO-BACK AND OFFSET TO PROVIDE A FLUSH WALL FINISH; REFERENCE D1/AE526
C11-38	BOX HEADER, (2) 33 MIL UNPUNCHED TRACKS AND (2) 6"x33 MIL STUDS
C11-39	(2) ROWS OF #10 SELF-TAPPING FRAMING SCREWS AT 4" ON CENTER, STAGGERED (TOP AND BOTTOM AT BOX HEADER)
C11-62	(2) #10 SELF-TAPPING FRAMING SCREWS 152 MM (6-INCH) FROM END AND610 MM (24-INCH) ON CENTER
C11-64	FOR HEAD AND BOTTOM CONNECTION DETAILS SEE SHEET 00-AE524
C11-65	JAMB STUDS WITH #10 SELF-TAPPING FRAMING SCREWS AT 152 MM (6-INCHES) ON CENTER AS SHOWN
C11-66	305 MM (12-INCH) LENGTH OF TRACK WITH THICKNESS TO MATCH JAMB STUDS AT FRAME ANCHOR LOCATIONS WITH #10 SELF-TAPPING FRAMING SCREWS EACH END BOTH SIDES
C11-67	152 MM (6-INCH) LENGTH OF TRACK WITH THICKNESS TO MATCH JAMB STUDS AT 610 MM (24-INCH) ON CENTER AND 152 MM (6-INCH) FROM EACH END WITH #10 SELF-TAPPING FRAMING SCREWS EACH END BOTH SIDES
C11-68	101.6 MM (4-INCH) x 54 MIL STRAP WITH (2) POWDER ACTUATED FASTNERS AT EACH FLUTE 305 MM (12-INCH) ON CENTER, OMIT STRAP WHERE WALL ALIGNS WITH FLUTE
C11-69	TOP TRACK WITH (2) #10 SELF-TAPPING SCREWS AT EACH PLATE
C11-70	TOP TRACK WITH (1) POWDER ACTUATED FASTNER AT EACH FLUTE
C11-71	TOP TRACK WITH (2) #10 SELF-TAPPING SCREWS AT EACH FLUTE
C11-72	DEFLECTION TRACK WITH (2) #10 SELF-TAPPING SCREWS AT EACH PLATE
C11-73	DEFLECTION TRACK WITH (1) POWDER ACTUATED FASTNER AT EACH PLATE
C11-74	DEFLECTION TRACK WITH (2) #10 SELF-TAPPING SCREWS AT EACH FLUTE
C11-75	101.6 MM (4-INCH) x 54 MIL STRAP WITH (2) #10 SELF-TAPPING SCREWS AT EACH FLUTE 305 MM (12-INCH) ON CENTER, OMIT STRAP WHERE WALL ALIGNS WITH FLUTE



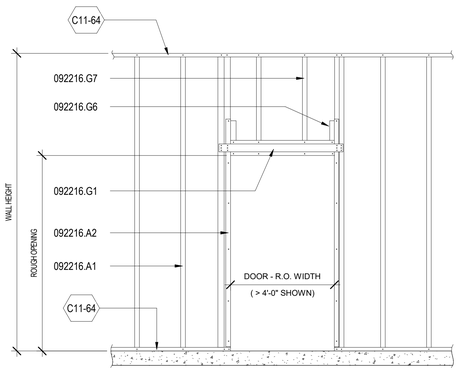
F1 WALL TYPE INFILL AT WALLS TO DECK

3" = 1'-0" REF FROM: D3 / 00-AE526



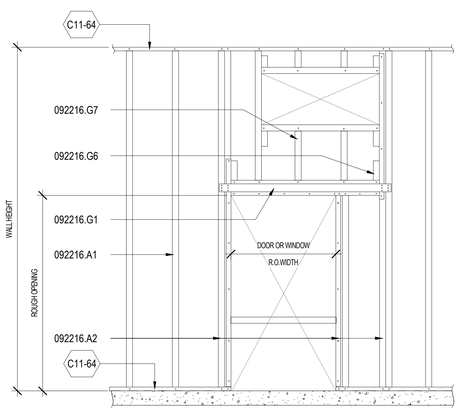
F3 TYPICAL PARTITION WALL SECTION

1" = 1'-0"



F5 NON-LOAD BEARING DOOR OPENING

3/4" = 1'-0"



F7 OVERLAPPING OPENINGS

3/4" = 1'-0"

3/4" = 1'-0" SCALE 1 0 1 2 3 FEET

1" = 1'-0" SCALE 1 0 1 2 FEET

1-1/2" = 1'-0" SCALE 12 0 12 INCHES

3" = 1'-0" SCALE 6 0 6 INCHES

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW, No. RA404161

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR FRAMING DETAILS

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked:

Drawn:

Project Number: 646-22-700

Building Number: 0

Drawing Number: 00-AE524

SHEET 19 of 797

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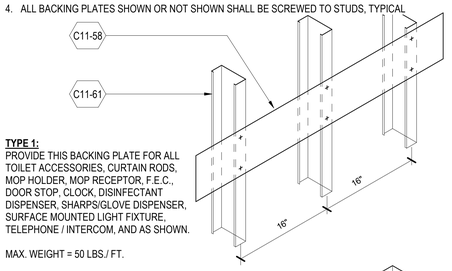
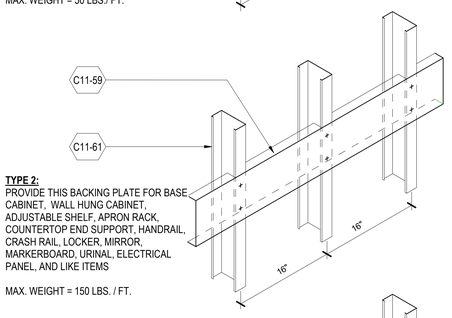
NOTES:

1. EXTEND BACKING PLATES TO LAST STUD BEYOND EDGE OF FIXTURE OR ACCESSORY, SPAN BETWEEN A MINIMUM OF THREE STUDS
2. VERIFY AND CONFIRM LENGTH, HEIGHT AND LOCATION OF BACKING PLATES AND NUMBER REQUIRED WITH ITEMS TO BE MOUNTED
3. WALL STUD FLANGES SHALL BE CONTINUOUS, NOTCHING OF STUDS IS PROHIBITED
4. ALL BACKING PLATES SHOWN OR NOT SHOWN SHALL BE SCREWED TO STUDS, TYPICAL



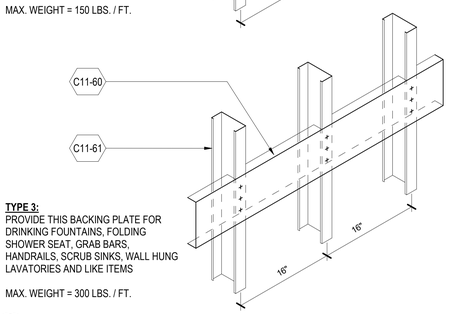
TYPE 1:
PROVIDE THIS BACKING PLATE FOR ALL TOILET ACCESSORIES, CURTAIN RODS, MOP HOLDER, MOP RECEPTOR, F.E.C., DOOR STOP, CLOCK, DISINFECTANT DISPENSER, SHARPS/GLOVE DISPENSER, SURFACE MOUNTED LIGHT FIXTURE, TELEPHONE / INTERCOM, AND AS SHOWN.

MAX. WEIGHT = 50 LBS./ FT.



TYPE 2:
PROVIDE THIS BACKING PLATE FOR BASE CABINET, WALL HUNG CABINET, ADJUSTABLE SHELF, APRON RACK, COUNTERTOP END SUPPORT, HANDRAIL, CRASH RAIL, LOCKER, MIRROR, MARKERBOARD, URINAL, ELECTRICAL PANEL, AND LIKE ITEMS

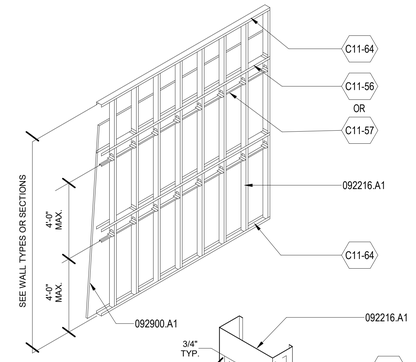
MAX. WEIGHT = 150 LBS. / FT.

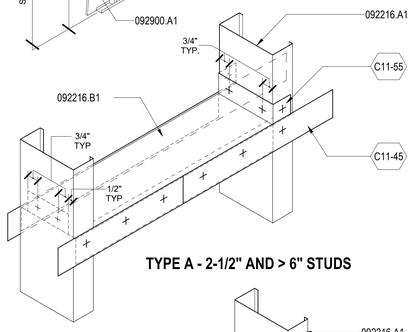


TYPE 3:
PROVIDE THIS BACKING PLATE FOR DRINKING FOUNTAINS, FOLDING SHOWER SEAT, GRAB BARS, HANDRAILS, SCRUB SINKS, WALL HUNG LAVATORIES AND LIKE ITEMS

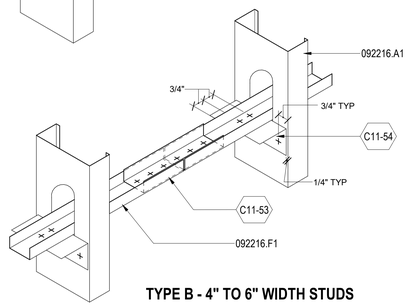
MAX. WEIGHT = 300 LBS. / FT.

D5 BACKING PLATES
3" = 1'-0" REF FROM: F3 / 00-AE524





TYPE A - 2-1/2" AND > 6" STUDS



TYPE B - 4" TO 6" WIDTH STUDS

NOTES:
1. NOTCHING OR CUTTING OF COLD-ROLLED CHANNEL (CRC) OR STRAP IS NOT PERMITTED FOR ANY CONDITION
2. LATERAL BRACING IS NOT REQUIRED WHERE GYPSUM BOARD IS INSTALLED ON BOTH SIDES OF THE PARTITION WALL.

D7 LATERAL BRACING
3" = 1'-0"

REFERENCE KEYNOTES

092216.A1	NON-STRUCTURAL METAL FRAMING, STEEL STUD, SEE WALL TYPES FOR SIZE, GUAGE, AND SPACING
092216.B1	NON-STRUCTURAL METAL FRAMING, STEEL RUNNER
092216.F1	NON-STRUCTURAL METAL FRAMING, ROLLED STEEL CHANNELS
092900.A1	GYPSUM BOARD

SHEET KEYNOTES

C11-45	2" x 43 MIL CONTINUOUS STRAP WITH #8 SHEET METAL SCREWS (SMS) AT EACH STUD, PROVIDE TRACK BLOCKING BETWEEN STUDS AT SPLICES, EACH END OF WALL, AND EVERY 2438 MM (96-INCHES), AT SPLICE (2) #8 SMS AT EACH SIDE TO TRACK BLOCKING
C11-53	LATERAL BRACING SPLICE, 305 MM (12 INCH) LONG COLD-ROLLED CHANNEL INVERTED OVER CENTER OF SPLICE WITH (3) #10 SELF-TAPPING FRAMING SCREWS EACH SIDE OF SPLICE
C11-54	51 x 51 x 6.35 MM (2 x 2 x 1/4 INCH) LESS THAN STUD WIDTH 54 MIL CLIP ANGLE WITH (2) #8 SELF-TAPPING RAMING SCREWS TO EACH STUD
C11-55	CUT TRACK FLANGE AND WEB AS REQUIRED AND BEND WEB VERTICAL WITH (2) #8 SELF-TAPPING FRAMING SCREWS TO EACH STUD
C11-56	CONTINUOUS LATERAL BRACING AT 1220 MM (48 INCHES) ON CENTER, TYPE A
C11-57	CONTINUOUS LATERAL BRACING AT 1220 MM (48 INCHES) ON CENTER, TYPE B
C11-58	HORIZONTAL BACKING PLATE, 152.4 MM (6-INCH), 14-GAUGE PLATE, FASTEN TO STUDS WITH (2) #10-16 WAFER HEAD FRAMING SCREWS
C11-59	HORIZONTAL BACKING PLATE, 600-S150-54 RUNNER CHANNEL NOTCH OVER STUDS OR PRE-NOTHCHED BACKING, FASTEN TO STUDS WITH (2) #10-16 WAFER HEAD FRAMING SCREWS
C11-60	HORIZONTAL BACKING PLATE, 600-S200-54 RUNNER CHANNEL NOTCH OVER STUDS OR PRE-NOTHCHED BACKING, FASTEN TO STUDS WITH (3) #10-16 FRAMING SCREWS
C11-61	PROVIDE 400 OR 600-S162-54 STRUCTURAL STUDS WHERE BACKING OCCURS
C11-64	FOR HEAD AND BOTTOM CONNECTION DETAILS SEE SHEET 00-AE524

3/4" = 1'-0" SCALE 1 0 1 2 3 FEET
1-1/2" = 1'-0" SCALE 12 0 12 INCHES
3" = 1'-0" SCALE 6 0 6 INCHES

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA EUGENE H. KLOW No. RA407611

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR FRAMING DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 0
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 00-AE525
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 20 of 797

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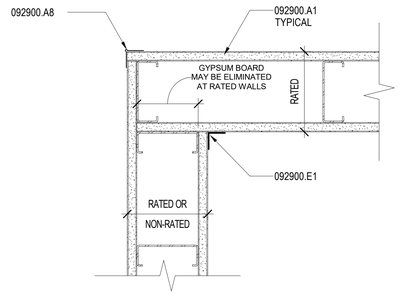
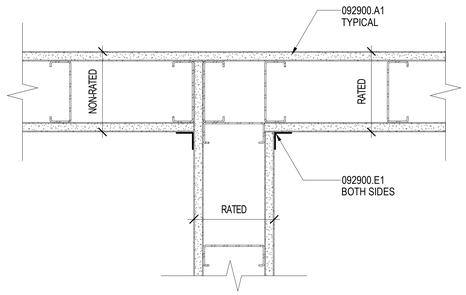
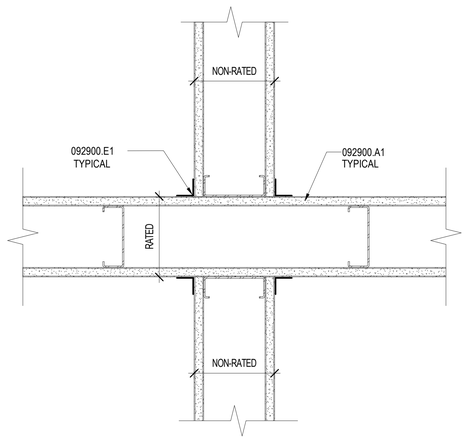


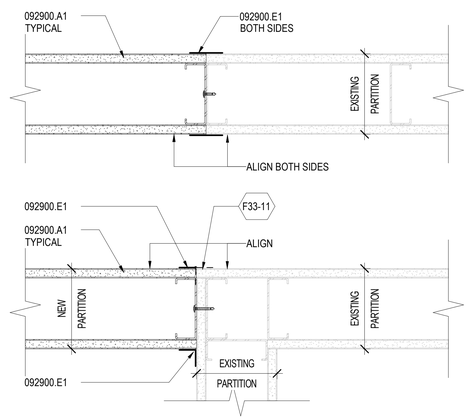
B1 RATED TO NON-RATED WALL INTERSECTION
3" = 1'-0"



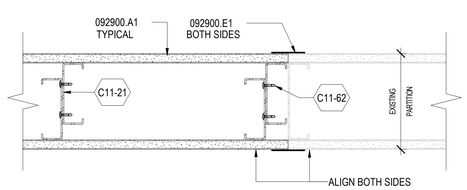
B3 RATED TO NON-RATED WALL INTERSECTION
3" = 1'-0"



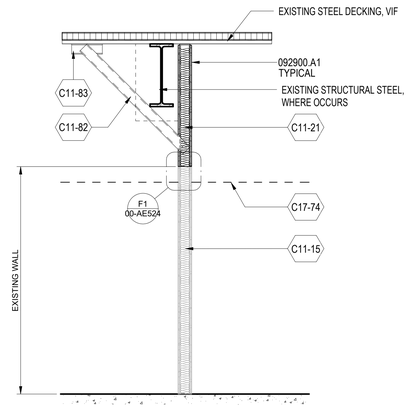
B5 RATED TO NON-RATED WALL INTERSECTION
3" = 1'-0"



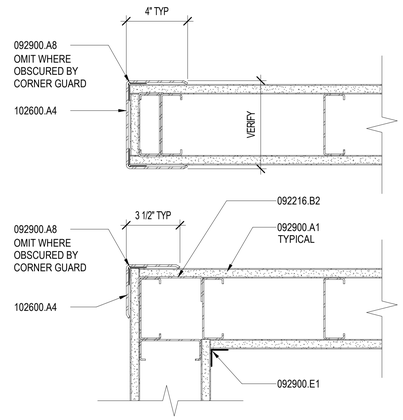
B7 NEW TO EXISTING WALL
3" = 1'-0"



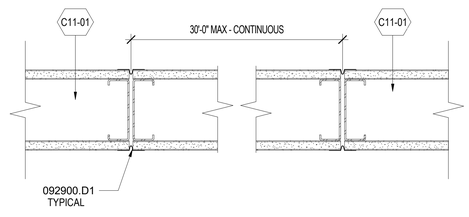
D1 NON CONFORMING PARTITION TYPES AND INFILL EXISTING WALL AT REMOVED DOOR
3" = 1'-0"



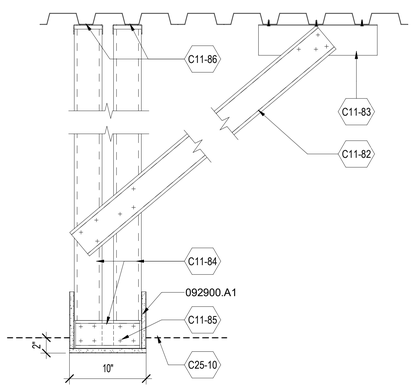
D3 NEW TO EXISTING WALL SECTION
1/2" = 1'-0"



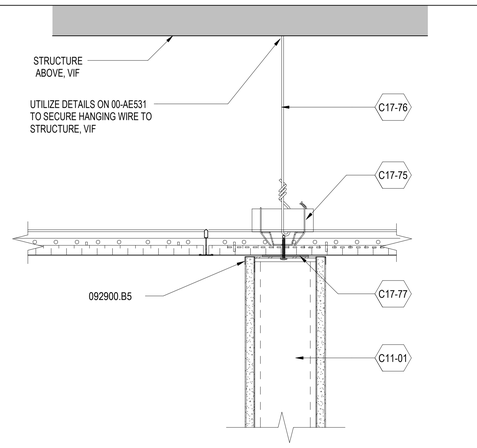
D5 CORNER GUARD
3" = 1'-0"



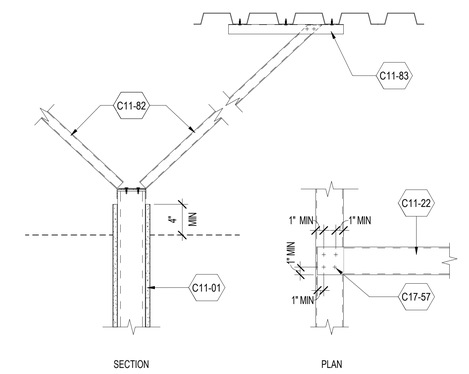
D7 GYPSUM BOARD CONTROL JOINT
3" = 1'-0"



F3 GYPSUM BOARD SOFFIT FRAMING
1 1/2" = 1'-0"



F5 PARTITION HEAD BELOW CEILING
3" = 1'-0"



F7 PARTITION BRACING ABOVE CEILING
1 1/2" = 1'-0"

REFERENCE KEYNOTES

092216.B2	STEEL TRACK MATCHING STUD
092900.A1	GYPSUM BOARD
092900.A8	ACCESSORY, CORNER BEAD
092900.B5	ACCESSORY, CASING BEAD, 5/8" METAL J
092900.D1	ACCESSORY, CONTROL JOINT
092900.E1	FINISH JOINT
102600.A4	WALL AND DOOR PROTECTION, VINYL CORNER GUARD ASSEMBLY

SHEET KEYNOTES

C11-01	INTERIOR NON-BEARING WALL (GYPSUM BOARD, ON METAL STUDS, SEE WALL TYPE PLAN, SHEET AE520)
C11-15	EXISTING WALL
C11-21	METAL STUDS AT 16-INCHES ON CENTER. WHERE EXISTING STUDS DO NOT MATCH CONVENTION SIZE USE SMALLER STUD BACK-TO-BACK AND OFFSET TO PROVIDE A FLUSH WALL FINISH; REFERENCE D1/AE526
C11-22	DIAGONAL BRACING AT 48-INCHES ON CENTER
C11-62	(2) #10 SELF-TAPPING FRAMING SCREWS 152 MM (6-INCH) FROM END AND610 MM (24-INCH) ON CENTER
C11-82	DIAGONAL KICKER AT 48" ON CENTER, 400S137-43 FOR "L" < 6'-0", USE DOUBLE 400T100-43 WITH #10 SMS AT 10" EACH SIDE FOR "L" > 6'-0" < 10'-0". FASTEN TO VERTICAL STUD WITH (3) #10 SMS AND FASTEN TO BENT PLATE WITH (4) #10 SMS
C11-83	BENT PLATE, 4" x 3" x12" x 54 MIL (LLD) WITH (2) 1/2" DIAM. EXPANSION ANCHOR WITH 3.25" EMBED AT FILLED DECKING OR (2) #10 SMS AT EACH FLUTE, ANGLE TO SPAN (3) FLUTES
C11-84	362S137-43 AT 16-INCHES ON CENTER
C11-85	(4) #10 SELF-TAPPING SCREWS AT EACH STUD
C11-86	REFERENCE 00-AE524 FOR CONNECTION DETAILS
C17-57	(4) #10 SMS
C17-74	EXISTING CEILING, SEE PLANS FOR REMOVAL OR TO REMAIN IN PLACE
C17-75	7/8" FURRING CHANNEL SADDLE TIED TO 1 1/2" CHANNEL
C17-76	HANGING WIRE WITH THREE TIGHT TURNS AT CHANNEL
C17-77	COMPRESSIBLE FOAM TAPE BETWEEN METAL TRACK AND CEILING PANEL
C25-10	NEW CEILING AS SCHEDULED OR EXISTING CEILING, VIF
F33-11	REMOVE CORNER BEAD

1/2" = 1'-0" SCALE 1 0 1 2 3 4 5 FEET
1-1/2" = 1'-0" SCALE 12 0 12 INCHES
3" = 1'-0" SCALE 6 0 6 INCHES

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PARTITION AND MISCELLANEOUS DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 0
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 00-AE526

SHEET 21 of 797

VA FORM 08 - 6231

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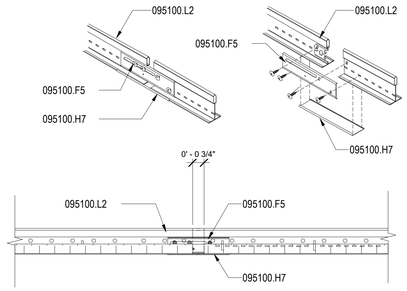
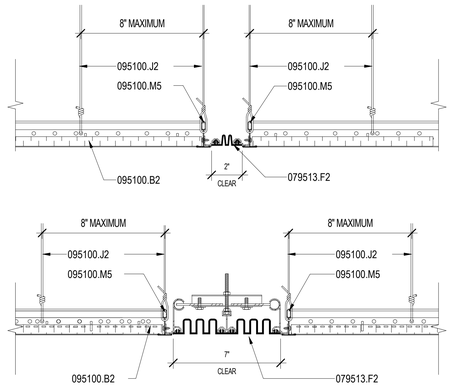


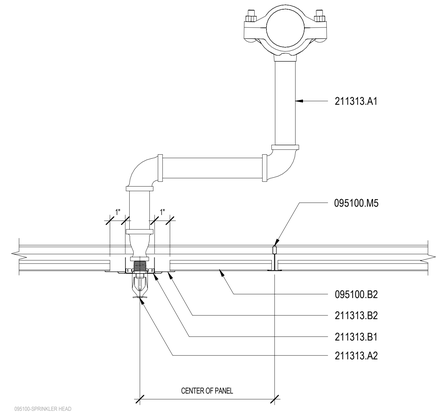
095100-RUNNER SPLICE

B1 EXPANSION SLEEVE
3" = 1'-0"



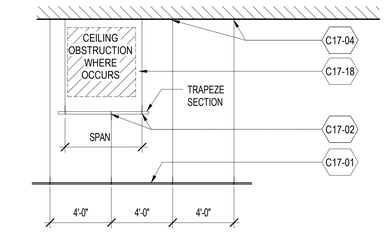
095100-EXPANSION JOINT

B3 EXPANSION JOINT
3" = 1'-0"



095100-SPRINKLER HEAD

B5 FIRE SPRINKLER HEAD
3" = 1'-0"



SPAN	TRAPEZE SECTION
UP TO 4'-0"	250S162-43
UP TO 8'-0"	400S162-54
UP TO 12'-0"	(2) 400S162-54, BACK TO BACK W/ #8 SMS @ 16" OC (2) @ EA END

095100-HANGER WIRE TRAPEZE

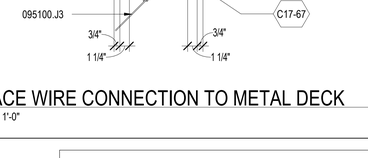
B7 TRAPEZE SUPPORT
1/4" = 1'-0"

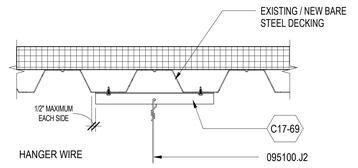
REFERENCE KEYNOTES

054000.M3	COLD-FORMED METAL FRAMING, 400S137-33 MINIMUM BACKING STUD, SPAN 2 WALL STUDS MINIMUM FASTEN BACKING TO WALL STUDS USING (2) #10 x 31.75 MM (1-1/4-INCH SELF-TAPPING SHEET METAL SCREWS AT EACH STUD
054000.M4	COLD-FORMED METAL FRAMING, STEEL STUD, MINIMUM 18 GAUGE WHERE STRONGBACK OCCURS
054000.M5	COLD-FORMED METAL FRAMING, STEEL STUD, MINIMUM 18 GAUGE WHERE CONNECTION OCCURS
079513.F2	EXPANSION JOINT COVER ASSEMBLY, CEILING TO CEILING, ELASTOMERIC BELLOWS SEAL
092900.A1	GYPSUM BOARD
095100.B2	ACOUSTICAL UNITS, LAY-IN PANELS
095100.F2	ACOUSTICAL CEILINGS, ACCESSORY, 50.8 x 50.8 x 50.8 MM (2 x 2 x 2-INCH) x 12 GAUGE CLIP
095100.F3	ACOUSTICAL CEILINGS, ACCESSORY, 38.1 x 38.1 x 50.8 MM (1-1/2 x 1-1/2 x 2-INCH LONG) x 12 GAUGE CLIP
095100.F5	ACOUSTICAL CEILINGS, METAL SUSPENSION SYSTEM, SEISMIC CLIP SCREWED TIGHT TO RUNNER
095100.F9	ACOUSTICAL CEILINGS, ACCESSORY, 12 GAUGE x 2.54 MM (1-INCH) WIDE CEILING CLIP WITH (1) #10 SELF-TAPPING SHEET METAL SCREW
095100.H7	EXPANSION SLEEVE TO COVER 3/4" GAP IN MAIN BEAM
095100.J2	ACOUSTICAL CEILING, METAL SUSPENSION SYSTEM, HANGER WIRE WITH 3 TIGHT TURNS, 6:1 MAXIMUM SLOPE FROM VERTICAL
095100.J3	ACOUSTICAL CEILING, METAL SUSPENSION SYSTEM, BRACING WIRE WITH 4 TIGHT TURNS IN 38.1 MM (1-1/2-INCH)
095100.J4	ACOUSTICAL CEILING, METAL SUSPENSION SYSTEM, PERIMETER WIRE WITH 3 TIGHT TURNS IN 76.2 MM (3-INCHES) BOTH ENDS OF WIRE TYPICAL, 6:1 MAXIMUM SLOPE FROM VERTICAL
095100.L2	ACOUSTICAL CEILING, METAL SUSPENSION SYSTEM, MAIN BEAM
095100.M5	ACOUSTICAL CEILING, CONTINUOUS RUNNER WITH ALL JOINTS SPLICED
095100.M6	ACOUSTICAL CEILING, 25.4 x 25.4 x 19.5 MM (1 x 1 x 3/4-INCH) 12 GAUGE CLIP ANGLE, FASTEN TO BACKING STUD USING #10 x 31.75 MM (1-1/4-INCH) SELF-TAPPING SHEET METAL SCREW
095100.M7	ACOUSTICAL CEILING, 25.4 x 25.4 x 76.2 MM (1 x 1 x 3-INCH) x 12 GAUGE CLIP ANGLE, FASTEN TO STUD USING #10 x 31.75 MM (1-1/4-INCH) SELF-TAPPING SHEET METAL SCREWS
095100.M8	ACOUSTICAL CEILING, 38.1 x 38.1 x 25.4 MM (1-1/2 x 1-1/2 x 1-INCH) x 12 GAUGE CLIP ANGLE, FASTEN TO STUD USING #10 x 31.75 MM (1-1/4-INCH) SELF-TAPPING SHEET METAL SCREWS
211313.A1	PIPING AND FITTINGS FOR SPRINKLER SYSTEM
211313.A2	SPRINKLER
211313.B1	CEILING PLATE
211313.B2	OOPS RING TO MATCH CEILING PLATE 1" LARGER THAN HOLE IN CEILING PANEL

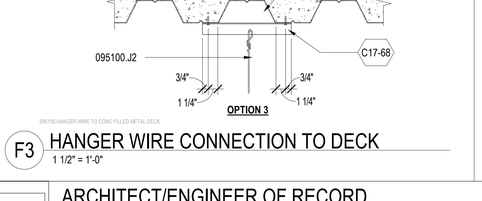
SHEET KEYNOTES

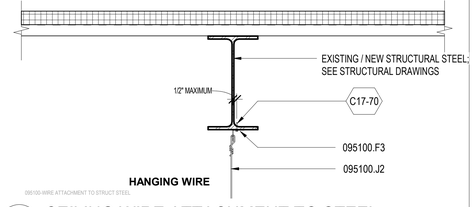
C17-01	CEILING AS SCHEDULED
C17-02	SADDLE TIE (TYPICAL) WHEN MULTIPLE SADDLE TIES ARE REQUIRED THEY SHALL ALTERNATE BACK AND FORTH TO PREVENT TWISTING
C17-04	FOR CONNECTION TO STRUCTURE SEE DETAIL B3/AE531
C17-18	HANGER WIRES SADDLE TIED TO EACH END OF TRAPEZE, 6:1 MAXIMUM SLOPE FROM VERTICAL
C17-67	38.1 MM X 38.1 MM (1-1/2-INCH X 1-1/2-INCH) X 12 GA ANGLE WITH (1) 9.525 MM (3/8-INCH) EXPANSION ANCHOR AT EACH FLUTE
C17-68	38.1 MM X 38.1 MM (1-1/2-INCH X 1-1/2-INCH) X 12 GA ANGLE WITH (1) 3.68 MM (0.145-INCH) POWDER ACTUATED FASTNER (PAF) AT EACH FLUTE
C17-69	38.1 MM X 38.1 MM (1-1/2-INCH X 1-1/2-INCH) X 12 GA ANGLE WITH (1) #10 SELF-TAPPING SHEET METAL SCREW AT EACH FLUTE
C17-70	3.68 MM (0.145-INCH) POWDER ACTUATED FASTNER (PAF)
C17-71	9.525 MM (3/8-INCH) EXPANSION ANCHOR AT CENTERLINE OF FLUTE





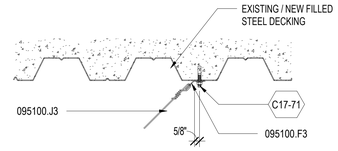
D1 WIRE CONNECTION TO BARE METAL DECK
1 1/2" = 1'-0"



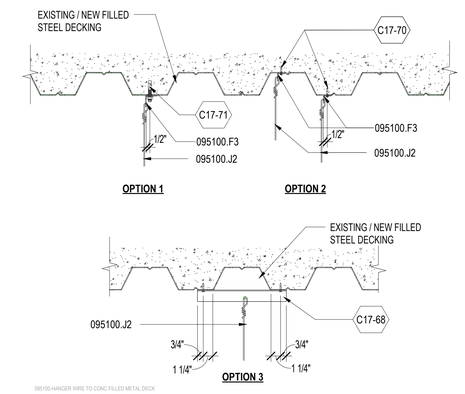


095100-WIRE ATTACHMENT TO STRUCT STEEL

D3 CEILING WIRE ATTACHMENT TO STEEL
1 1/2" = 1'-0"

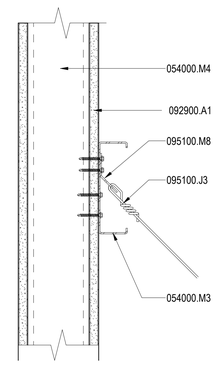


F1 BRACE WIRE CONNECTION TO METAL DECK
1 1/2" = 1'-0"



095100-HANGER WIRE TO CONC FILLED METAL DECK

F3 HANGER WIRE CONNECTION TO DECK
1 1/2" = 1'-0"



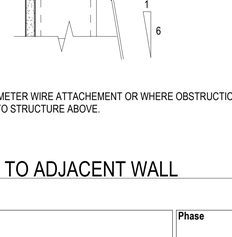
NOTES:

1. SEISMIC BRACE WIRE FORCE = 473 LBS (ASD LEVEL). BRACING WIRE SHALL HAVE A MIN. STRETCH LENGTH OF 12", WHEN USED AT FREE JOINT.
2. CEILING BRACING WIRE SHALL NOT BE ATTACHED TO WALL ON "FREE JOINT" SIDE OF CEILING.

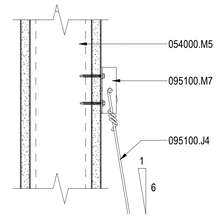
095100-BRACE WIRE TO WALL

F5 BRACE WIRE TO ADJACENT WALL
3" = 1'-0"

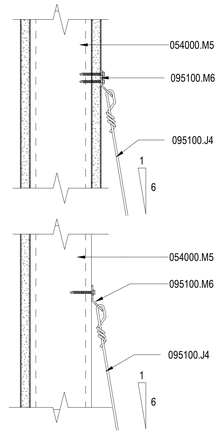
CONDITION WHERE PERIMETER WIRE FALLS BETWEEN STUDS



CONDITION WHERE PERIMETER WIRE FALLS AT STUDS



CONDITION WHERE PERIMETER WIRE FALLS AT STUDS (ALTERNATE AT CONTRACTOR'S OPTION)



NOTE:
1. THIS IS APPLIED FOR PERIMETER WIRE ATTACHEMENT OR WHERE OBSTRUCTION PREVENTS ATTACHMENT TO STRUCTURE ABOVE.

095100-HANGER WIRES TO WALL

F7 HANGER WIRE TO ADJACENT WALL
3" = 1'-0"

1/4" = 1'-0" SCALE: 2 0 2 4 6 8 10 FEET
1-1/2" = 1'-0" SCALE: 12 0 12 INCHES
3" = 1'-0" SCALE: 6 0 6 INCHES

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA EUGENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CEILING DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 0
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 00-AE527
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 22 of 797

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VA FORM 08 - 6231

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
GB	GB	26 05 26	GROUND BUS
IBT	IBT	26 05 26	INTERSYSTEM BONDING TERMINATION
E / E	ECONN	26 05 33	ELECTRICAL CONNECTION
J / J	JB	26 05 33	JUNCTION BOX
	FB-# or PT-#	26 27 26	FLOOR BOX or POKE THROUGH
PB	PB	26 09 16	MOMENTARY PUSHBUTTON OPERATOR
	PANEL '###'	26 24 16	PANELBOARD - RECESS MOUNT
	PANEL '###'	26 24 16	PANELBOARD - SURFACE MOUNT
	DS-###	26 28 16	DISCONNECT SWITCH
	MX-#/MS-#/CB-#/CS-#	26 24 19	MANUAL SWITCH / STARTER / COMBINATION STARTER/ CIRCUIT BREAKER. REFER TO DISC/STA SCHEDULE
	TR-#/DTR-#	26 22 00	TRANSFORMER. REFER TO TRANSFORMER SCHEDULE
	REC-DUP	26 27 26	DUPLEX RECEPTACLE, 125V
	REC-DUP-GFI	26 27 26	DUPLEX GFI RECEPTACLE, 125V
G	REC-DUP-GFI-R	26 27 26	GROUND FAULT DEVICE
W	REC-DUP-WP	26 27 26	DUPLEX GFI WEATHERPROOF RECEPTACLE 125V
U	REC-USB	26 27 26	DUPLEX RECEPTACLE, USB CHARGING
	REC-TAMP	26 27 26	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-GFI	26 27 26	GFI DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
	REC-TAMP-QUAD	26 27 26	QUAD RECEPTACLE, TAMPER RESISTANT, 125V
	REC-QUAD	26 27 26	QUAD RECEPTACLE, 125V
	REC-QUAD-GFI	26 27 26	QUAD GFI RECEPTACLE, 125V
U	REC-QUAD-USB	26 27 26	QUAD RECEPTACLE, USB 125V
W	REC-QUAD-WP	26 27 26	QUAD GFI WEATHERPROOF RECEPTACLE, 125V
	REC-SIM-L2120R	26 27 26	RECEPTACLE, LOCKING L21-20R, 120/208V, 3PH
	REC-SIM-L2130R	26 27 26	RECEPTACLE, LOCKING L21-30R, 120/208V, 3PH
	REC-SIM-L530R	26 27 26	RECEPTACLE, LOCKING L5-30R, 125V
	REC-SIM-530R	26 27 26	RECEPTACLE, 125V
			EMERGENCY PUSHBUTTON OFF (EPO)

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
			LINEAR LUMINAIRES
			TROFFER
			WALL SCONCE LUMINAIRE
			DOWNLIGHT LUMINAIRE
			AIMABLE OR WALL WASH LUMINAIRE
	REFER TO LUMINAIRE SCHEDULE		INDUSTRIAL LUMINAIRE
			WALL BRACKET LUMINAIRE
			POLE MOUNTED LUMINAIRE
			SINGLE FACE EXIT SIGN
			DOUBLE FACE EXIT SIGN
			WALL/CEILING EMERGENCY EXIT SIGN
			EMERGENCY UNIT

APPLICABLE CODES

CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

INFRASTRUCTURE STANDARD FOR TELECOMMUNICATIONS SPACES	V4.0, JUNE 1, 2023
VA FIRE PROTECTION DESIGN MANUAL:	9TH ED., NOV. 1, 2023
VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL:	REV. JULY 1, 2021
VA PLUMBING DESIGN MANUAL:	REV. JUNE 1, 2022
VA HVAC DESIGN MANUAL:	REV. OCTOBER 1, 2022
VA SITE DESIGN MANUAL:	REV. APRIL 1, 2021
NFPA 13 INSTALLATION OF SPRINKLER SYSTEMS:	2022 EDITION
NFPA 72 FIRE ALARM AND SIGNALING CODE:	2022 EDITION
NFPA 75 FIRE PROTECTION OF IT EQUIPTMENT:	2024 EDITION
NFPA 99 HEALTHCARE FACILITIES CODE:	2024 EDITION
NFPA 101 LIFE SAFETY CODE:	2024 EDITION
NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS:	2022 EDITION
INTERNATIONAL BUILDING CODE:	2021 EDITION
INTERNATIONAL MECHANICAL CODE:	2021 EDITION
INTERNATIONAL PLUMBING CODE:	2021 EDITION
INTERNATIONAL ELECTRICAL CODE:	2017 EDITION

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
S	SW-1P	26 09 33	SWITCH - SINGLE POLE
S_{60}	SW-1P-060	26 09 33	SWITCH - LOCAL TIMER - SPRING WOUND
S_T	SW-1P-ADJ	26 09 33	SWITCH - LOCAL TIMER - USER ADJUSTABLE
S_J	SW-1P-DJ	26 09 33	SWITCH - DOOR JAMB
S_E	SW-1P-EM	26 09 33	SWITCH - EMERGENCY
S_X	SW-1P-EX	26 09 33	SWITCH - EXPLOSION PROOF
S_K	SW-1P-K	26 09 33	SWITCH - SINGLE POLE - KEY LOCK
S_L	SW-1P-LH	26 09 33	SWITCH - LIGHTED HANDLE
S_M	SW-1P-M	26 09 33	SWITCH - MOMENTARY CONTACT
S_P	SW-1P-PL	26 09 33	SWITCH - PILOT LIGHT
S_W	SW-1P-WP	26 09 33	SWITCH - WEATHERPROOF
S_2	SW-2P	26 09 33	SWITCH - TWO POLE
S_{K2}	SW-2P-K	26 09 33	SWITCH - TWO POLE - KEY LOCK
S_3	SW-3W	26 09 33	SWITCH - THREE WAY
S_{3E}	SW-3W-EM	26 09 33	SWITCH - THREE WAY - EMERGENCY
S_{K3}	SW-3W-K	26 09 33	SWITCH - THREE WAY - KEY LOCK
S_4	SW-4W	26 09 33	SWITCH - FOUR WAY
S_{4E}	SW-4W-EM	26 09 33	SWITCH - FOUR WAY - EMERGENCY
S_{K4}	SW-4W-K	26 09 33	SWITCH - FOUR WAY - KEY LOCK
S_C	SW-A-TPCO	26 09 33	SWITCH - THREE POSITION-CENTER OFF
S	SW-COMB	26 09 33	COMBINATION SWITCH AND RECEPTACLE
D_D	SW-D-LED	26 09 33	DIMMER - LED
D_{D3}	SW-D3-LED	26 09 33	DIMMER - LED - 3-WAY
D_D	SW-OD	26 09 33	DIMMER - WALL DIMMER OCCUPANCY SENSOR
LS	SW-LS	26 09 33	DAYLIGHT LEVEL SENSOR
LS 3	SW-LS-3Z	26 09 33	DAYLIGHT LEVEL SENSOR - 3 ZONE
LS D	SW-LS-D	26 09 33	DAYLIGHT LEVEL SENSOR - 1 ZONE DIMMING
LS 3D	SW-LS-D-3Z	26 09 33	DAYLIGHT LEVEL SENSOR - 3 ZONE DIMMING
PC	SW-LS-PC	26 09 33	PHOTOCELL
OC D	SW-OC-D	26 09 33	OCCUPANCY SENSOR - DUAL TECHNOLOGY
QC D	SW-OC-D-W	26 09 33	OCCUPANCY SENSOR - DUAL TECHNOLOGY - WALL MOUNTED
OC HA	SW-OC-P-HA	26 09 33	OCCUPANCY SENSOR - HIGH BAY AISLE COVERAGE
OC HB	SW-OC-P-HB	26 09 33	OCCUPANCY SENSOR - HIGH BAY
S_O	SW-OC-P-O	26 09 33	SWITCH - OCCUPANCY SENSOR WALL SWITCH
S_{O2}	SW-OC-P-O2	26 09 33	SWITCH - OCCUPANCY SENSOR AND DUAL SWITCH
OC P	SW-OC-P-P	26 09 33	OCCUPANCY SENSOR - PASSIVE INFRARED 360 DEGREE COVERAGE
OC P2	SW-OC-P-P2	26 09 33	OCCUPANCY SENSOR - PASSIVE INFRARED 100 DEGREE COVERAGE
QC P	SW-OC-P-W	26 09 33	OCCUPANCY SENSOR - PASSIVE INFRARED - WALL MOUNTED
OC U	SW-OC-U	26 09 33	OCCUPANCY SENSOR - ULTRASONIC 360 DEGREE COVERAGE
OC U2	SW-OC-U2	26 09 33	OCCUPANCY SENSOR - ULTRASONIC 35'X30' HAND MOTION COVERAGE
OC A	SW-OC-U-A	26 09 33	OCCUPANCY SENSOR - ULTRASONIC TWO SIDED CORRIDOR COVERAGE
QC U	SW-OC-U-W	26 09 33	OCCUPANCY SENSOR - ULTRASONIC - WALL MOUNTED
SW	SW	26 09 33	WALL CONTROL STATION
TC	TC-#	26 09 33	TIME SWITCH
ALCR	ALCR20	26 09 33	AUTOMATIC LOAD CONTROL RELAY

LUMINAIRE SYMBOL KEY

SYMBOL:	DESCRIPTION:
	NORMAL BRANCH LUMINAIRE
	CRITICAL BRANCH LUMINAIRE
	LIFE SAFETY BRANCH LUMINAIRE

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
COMMON AND SEQUENCE OF OPERATION SUBSCRIPTS			SUBSCRIPTS: TYPE / PROGRAMMING WG = WIRE GUARD IS REQUIRED W = WEATHERPROOF A = ATRIUM CA = CLEAN AGENT SYSTEM CR = COMPUTER ROOM E = ELEVATOR RECALL D = HVAC CONTROL DH = DOOR HOLD RELEASE DIPS = DUAL INTERLOCK PREACTION SYS FD = FIRE DOOR RELEASE MP = MEDICAL PROCEDURE S = SLEEPING / PATIENT ROOM SW = STAIRWELL # = 15, 30, 75, 110, 177 CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
	FACP-#	28 31 00	FIRE ALARM CONTROL PANEL
	FAA-#	28 31 00	FIRE ALARM ANNUNCIATOR
	VCC-#	28 31 00	DIGITIZED VOICE COMMAND CENTER
	GAP-#	28 31 00	GRAPHICAL ANNUNCIATOR PANEL, FIRE ALARM
	NAC-#	28 31 00	NOTIFICATION APPLIANCE CIRCUIT PANEL
	AMP-#	28 31 00	AMPLIFIER RACK, FIRE ALARM
	ECCU-#	28 31 00	EMERGENCY COMMUNICATION CONTROL UNIT
	LOC-#	28 31 00	LOCAL OPERATING CONSOLE
	SCP-#	28 31 00	FIREFIGHTER'S SMOKE CONTROL PANEL
	FATC-#	28 31 00	FIRE ALARM TERMINAL CABINET
S # S #	FA-120	28 31 00	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNT BLANK - PHOTOELECTRIC AT = ATTIC (LOCATED IN) BR = BEAM RECEIVER BT = BEAM TRANSMITTER CO = COMBINATION SMOKE / CARBON MONOXIDE COH = COMBINATION SMOKE / CARBON MONOXIDE / HEAT COS = COMBINATION SMOKE / CARBON MONOXIDE / STROBE H = COMBINATION SMOKE / HEAT DETECTOR ION = IONIZATION TYPE ID = IN DUCT DETECTOR SA = STAND ALONE WITH SOUNDER SB = SOUNDER BASE SV = STAND ALONE WITH SOUNDER AND 177 CANDELA STROBE
S	FA-122	28 31 00	FIRE ALARM DUCT SMOKE DETECTOR # = EQUIP OR SYSTEM
S AS	ASSD-#	28 31 50	FIRE ALARM AIR SAMPLING SMOKE DETECTION
H # H #	FA-140	28 31 00	FIRE ALARM HEAT DETECTOR BLANK = COMBINATION RATE OF RISE / FIXED TEMP AT = ATTIC (LOCATED IN) F = FIXED TEMP RC = RATE COMPENSATED X - EXPLOSION PROOF
F	FA-130	28 31 00	FIRE ALARM MANUAL PULL STATION
FT	FA-131	28 31 00	FIRE ALARM MANUAL PULL STATION W/ COVER
	FA-200	28 31 00	FIRE ALARM VISUAL ALARM DEVICE, CEILING OR WALL MOUNT # = CANDELA RATING. CD = CANDELA RATING SELECTED BY NICET DESIGNER
F # F #	FA-263	28 31 00	ELECTRIC BELL FOR SPRINKLER SYSTEM
F # F #	FA-210	28 31 00	AUDIO HORN/CHIME ALARM DEVICE, CEILING OR WALL MOUNTED M = MINI-HORN S = SLEEPING / PATIENT ROOM
	FA-211	28 31 00	COMBINATION AUDIO HORN/CHIME AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
S # S #	FA-220	28 31 00	AUDIO (SPEAKER) ALARM DEVICE, CEILING OR WALL MOUNTED
	FA-221	28 31 00	COMBINATION AUDIO (VOICE) AND VISUAL ALARM DEVICE, CEILING OR WALL MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER

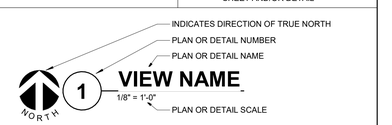
ELECTRICAL EQUIPMENT TAGS

TAG:	DESCRIPTION:
ATS-#	AUTOMATIC TRANSFER SWITCH, REFER TO TRANSFER SWITCH SCHEDULE
BAT-#	BATTERY RACK
C-#	GENERAL PURPOSE CONTACTOR
CR-#	CORD REEL
CT-#	CABLE TRAY
CUP-#	CUSTOM UTILITY PEDESTAL
DIM-#	DC DIMMING PANEL
DP-#	DISTRIBUTION PANEL
DR-#	DIMMING RACK
DT-#	GENERATOR DAY TANK
DTR-#	TRANSFORMER - DISTRIBUTION TYPE REFER TO TRANSFORMER SCHEDULE
EVCS-#	ELECTRICAL VEHICLE CHARGING STATION
GCC-#	TEMP. GENERATOR/LOAD BANK CONNECTION CABINET
GCP-#	GENERATOR CONTROL PANEL
GEN-#	GENERATOR
GPS-#	GENERATOR PARALLELING AND DISTRIBUTION SWITCHBOARD
GANN-#	GENERATOR REMOTE RADIATOR
HH-#	HANDHOLE
HT-#	HEAT TAPE
INV-#	LIGHTING INVERTER
M-#	METER DISTRIBUTION CENTER
MC-#	EXTERIOR MOUNTED METERING CABINET
MCC-#	MOTOR CONTROL CENTER, REFER TO MOTOR CONTROL SCHEDULE
MH-#	MANHOLE
MPC-#	PACKAGED POWER CENTER
MTS-#	MANUAL TRANSFER SWITCH, REFER TO TRANSFER SWITCH SCHEDULE
MVSG-#	MEDIUM VOLTAGE SWITCHGEAR
MX-#	MANUAL SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE
PDU-#	POWER DISTRIBUTION UNIT
PS-#	PAD-MOUNT MEDIUM VOLTAGE SWITCH
R-#	RELAY
RA-ATS-#	REMOTE ANNUNCIATOR FOR ATS
RFFS-#	REMOTE FUEL FILL STATION
SB-#	SWITCHBOARD
SC-#	SECTIONALIZING CABINET
SG-#	SWITCHGEAR
SMP-#	SNOW MELT CONTROL PANEL
SMS-#	PAVEMENT MOUNTED DEICING CONTROLLER
SPD-#	SURGE PROTECTION DEVICE
UD-#	UNDERFLOOR DUCT - TRENCH DUCT - CELLULAR FLOOR DUCT
UPS-#	UNINTERRUPTIBLE POWER SUPPLY
US-#	UNIT SUBSTATION
VFD-#	VARIABLE FREQUENCY DRIVE - REFER TO VFD SCHEDULE
WD-#	WALL DUCT

VIEW KEY

NAME — LEVEL NAME
0'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED. SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
——— NEW
- - - - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
——— EXISTING
- - - - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG-1 — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

ELECTRICAL GENERAL NOTES:

1. SHADED LUMINAIRE OR DEVICE INDICATES LUMINAIRE OR DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT.
2. REFER TO SHEET 00-EP002 FOR LUMINAIRE SCHEDULE.
3. CONTRACTOR SHALL PROVIDE SURVEY OF UNDERGROUND UTILITIES FOR ALL FEEDER ROUTED UNDERGROUND.

LUMINAIRE KEY:

LUMINAIRE — F1 = FIXTURE TAG
1 = CIRCUIT NUMBER
a = SWITCH DESIGNATION
"NL" INDICATES LUMINAIRE IS UNSWITCHED FOR NIGHT LIGHT.
"SE" INDICATES LUMINAIRE IS SWITCHED/CONTROLLED DURING NORMAL OPERATION AND OPERATES FROM **[EMERGENCY BATTERY (EXTEND UNSWITCHED CIRCUIT LEG TO BATTERY)] [EMERGENCY CIRCUIT]** UPON LOSS OF POWER.

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1 / 1 / a / NL

DEVICE KEY:

DEVICE — # = MOUNTING (IF APPLICABLE)
1 = CIRCUIT NUMBER

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1

ELECTRICAL MOUNTING SUBSCRIPT KEY:

A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
C	MOUNT AT CEILING
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
R	MOUNT IN SURFACE RACEWAY
EWC	ELECTRIC WATER COOLER

ELECTRICAL INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN, REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
2. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE.
3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
4. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO [27 05 03 AND 28 05 03] [DIVISION 7] [26 05 03] FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
5. INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
6. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
7. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
9. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
10. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH. [NTD: EDIT TO MATCH SCOPE]
11. REFER TO ARCHITECTURAL ELECTRICAL, TECHNOLOGY, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
12. ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION [16195][26 05 53] FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.
13. CONTRACTOR SHALL PROVIDE WP LINKSEAL FOR ALL CONDUIT PENETRATIONS INTO BUILDINGS FROM BELOW GRADE.
14. CONTRACTOR SHALL ROUTE ALL CONDUIT EXPOSED ON ALL GYPBOARD/HARD CEILINGS IN IT ROOMS.
15. CONTRACTOR SHALL MAINTAIN FIRE RATING OF ALL EXISTING CEILINGS AND WALLS.
16. CONTRACTOR SHALL CONCEAL ALL NEW FEEDER CONDUITS ABOVE CEILINGS OUTSIDE OF IT ROOMS WHENEVER POSSIBLE. REPLACE ALL DAMAGED CEILING TILES.
17. CONTRACTOR SHALL METER EXISTING PANELBOARD, DISTRIBUTION PANEL OR SWITCHBOARD FROM WHICH NEW IT PANELS ARE BEING FED, TO VERIFY LOAD CAPACITY OF PANEL.
18. MOUNT ALL EXTERIOR RECEPTACLES AT 36" ABOVE GRADE.

ELECTRICAL RENOVATION NOTES:

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR CABLE TRAY, BUSWAY AND CONDUITS BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL COVERSHEET	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
	Building Number: 0
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 00-E000
Issue Date: 06.13.2025 / Checked: GJL / Drawn: HAB	SHEET 23 of 797

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01-EP103	THIRD FLOOR PLAN - ELECTRICAL - OVERALL
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01-EP402	BUILDING 1 - FIFTH FLOOR - ELECTRICAL ENLARGED
01-EP403	BUILDING 1 - ELECTRICAL ENLARGED PLANS
01-EP404	BUILDING 1 - ELECTRICAL ENLARGED PLANS
01-EP405	BUILDING 1 - ELECTRICAL ENLARGED PLANS
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01-EP407	BUILDING 1 - ELECTRICAL ENLARGED PLANS
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01-EP603	ELECTRICAL RISER DIAGRAM
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01-EP605	ELECTRICAL RISER DIAGRAM
01-EP701	ELECTRICAL SCHEDULES
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01-EP703	ELECTRICAL PANEL SCHEDULES
01-EP704	ELECTRICAL PANEL SCHEDULES
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01-EP706	ELECTRICAL PANEL SCHEDULES
01-EP707	ELECTRICAL PANEL SCHEDULES
01-EP708	ELECTRICAL PANEL SCHEDULES
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01-EP710	ELECTRICAL PANEL SCHEDULES
01-EP711	ELECTRICAL PANEL SCHEDULES
01-EP712	ELECTRICAL PANEL SCHEDULES
01-EP713	ELECTRICAL PANEL SCHEDULES
01-EP714	ELECTRICAL PANEL SCHEDULES
01-EP715	ELECTRICAL PANEL SCHEDULES
05-ED101	FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
05-EP101	FIRST FLOOR PLAN - ELECTRICAL
05-EP401	ELECTRICAL ENLARGED PLANS
05-EP701	ELECTRICAL SCHEDULES
30-EP099	BASEMENT PLAN - ELECTRICAL
30-EP100	GROUND FLOOR PLAN - ELECTRICAL
30-EP101	FIRST FLOOR PLAN - ELECTRICAL
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30-EP401	ELECTRICAL ENLARGED PLANS
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30-EP703	ELECTRICAL PANEL SCHEDULES
33-EP101	FIRST FLOOR PLAN - ELECTRICAL
33-EP701	ELECTRICAL SCHEDULES
GRAND TOTAL: 77	

Revisions:	Date:

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PROFESSIONAL
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PE076741

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL SHEET INDEX	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
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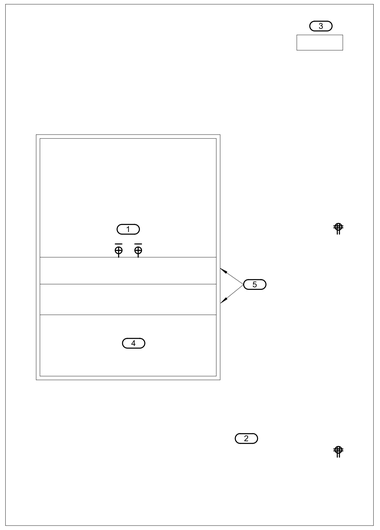
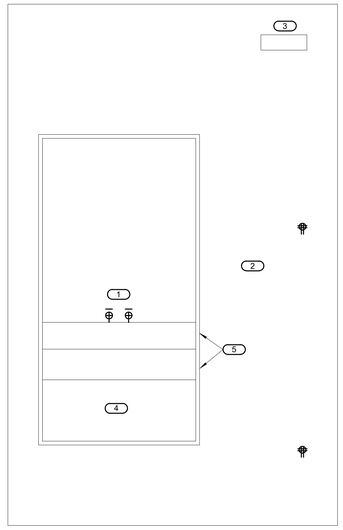
KEYNOTES: (#)

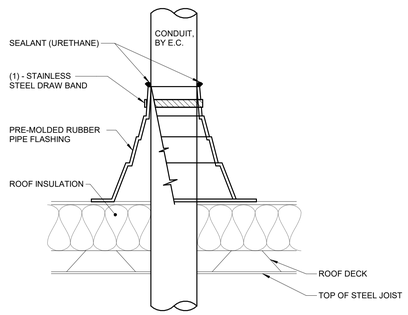
1. LOCKING 120V 30A OUTLETS (L5-30) ON THE WALL BEHIND THE RACK ALIGNED WITH THE CUTOUT ON THE ENCLOSURE. ONE OUTLET ASSIGNED TO PDU. ONE OUTLET ASSIGNED TO UPS. EACH ENERGIZED BY SEPERATE ONE-POLE 30 A BREAKERS.
2. 4 FT BY 8 FT 3/4 IN. PLYWOOD BACKBOARD. A/C GRADE. PAINTED WHITE WITH FIRE RESISTANT PAINT IF PERMITTED BY AHJ.
3. GROUND BAR. REFER TO TECHNOLOGY DRAWINGS.
4. RACK MOUNT UPS. (2880 VA) L5-30 INPUT.
5. RACK MOUNT PDU. L5-30 INPUT, NEMA 5-20 OUTPUT. TWO PER ENCLOSURE, ONE ENERGIZED BY UPS AND ONE ENERGIZED BY WALL OUTLET CIRCUIT.



1 TE CABINET DETAIL (12 RU ENCLOSURE)
NO SCALE



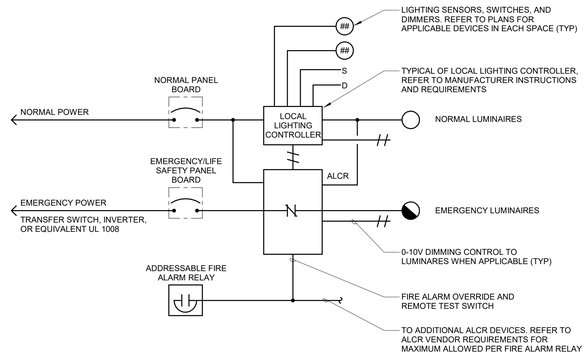
2 TE CABINET DETAIL (26 RU ENCLOSURE)
NO SCALE



NOTES:

1. CONDUIT SHALL BE SUPPORTED WITHIN 24 INCHES ABOVE AND BELOW ROOF.
2. VERIFY FINAL REQUIREMENTS WITH GENERAL CONTRACTOR (G.C.) AND ROOFING INSTALLER PRIOR TO INSTALLATION.

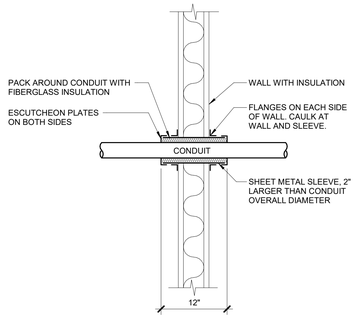
3 CONDUIT ROOF PENETRATION
NO SCALE



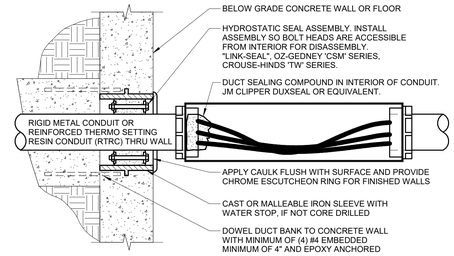
NOTES:

1. THE ALCR RELAY DIAGRAM IS INTENDED TO CONVEY INTENDED OPERATION AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, ALL DEVICES, WIRING, AND CONNECTIONS REQUIRED. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND REQUIREMENTS.
2. MOUNT LOCAL LIGHTING CONTROLLERS ABOVE FINISHED CEILING NEAR ROOM ENTRANCE. IN A CORRIDOR, MOUNT NEAR ONE END OF CORRIDOR AND ADJACENT TO FIRST SENSOR OR CONTROL DEVICE.
3. MOUNT ALCR ADJACENT TO LIGHTING CONTROLLER ABOVE ACCESSIBLE FINISHED CEILING.
4. FIRE ALARM ADDRESSABLE RELAY SHALL OVERRIDE LOCAL LIGHTING CONTROLS UPON FIRE ALARM OR TEST.

4 AUTOMATIC LOAD CONTROL RELAY DIAGRAM (ALCR)
NO SCALE



5 CONDUIT WALL PENETRATION
NO SCALE



NOTES:

1. HYDROSTATIC SEAL SELECTION BASED ON OUTSIDE DIAMETER OF CONDUIT AND INSIDE DIAMETER OF SLEEVE OR BORE.
2. PROVIDE PULL BOX, CONDUIT FITTING OR AUXILIARY GUTTER, SIZED PER N.E.C. WITHIN 5' OF CONDUIT ENTRY TO ALLOW SEALING OF CONDUITS. BOX ORIENTATION IS DIAGRAMMATIC SEALING COMPOUND SHALL BE NON-HARDENING MATERIAL FOR WATERSTOP AND MOISTURE BARRIER, OZ/GEDNEY 'DUX' OR APPROVED EQUIVALENT SEAL BOTH ENDS OF EXTERIOR CONDUITS.
3. THIS DETAIL APPLIES TO ALL BELOW GRADE WALL AND FLOOR CONDUIT ENTRIES INTO BUILDING.

6 EXTERIOR WALL PENETRATION
NO SCALE

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Office of Construction and Facilities Management

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Drawing Title	ELECTRICAL DETAILS
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	GJL
Drawn	HAB
Project Number	646-22-700
Building Number	0
Drawing Number	00-E501
	SHEET 25 of 797

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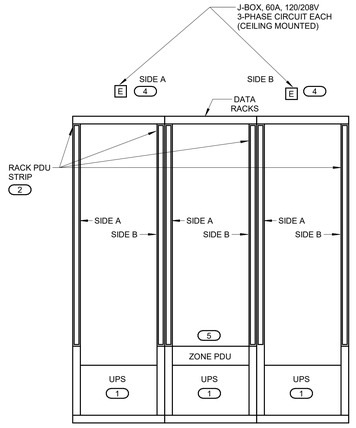
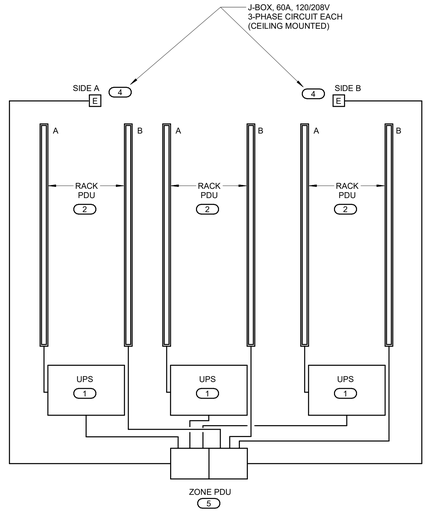
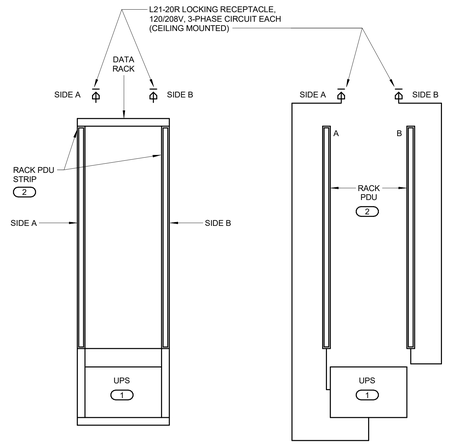


RACK LAYOUT



ONE-LINE

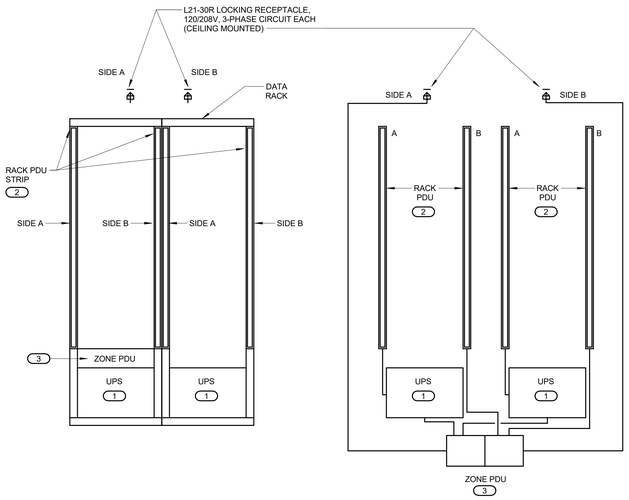
1 THREE RACK DETAIL
NO SCALE



RACK LAYOUT

ONE-LINE

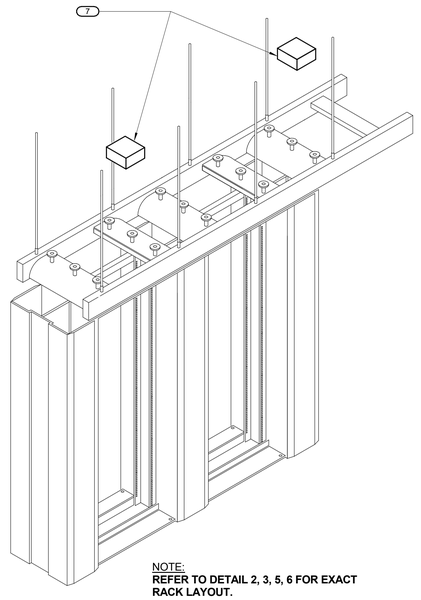
2 SINGLE RACK DETAIL
NO SCALE



RACK LAYOUT

ONE-LINE

3 TWO RACK DETAIL
NO SCALE



NOTE:
REFER TO DETAIL 2, 3, 5, 6 FOR EXACT RACK LAYOUT.

4 RACK RECEPTACLE DETAIL
NO SCALE

SHEET NOTES:

1. REFER TO TECHNOLOGY DRAWINGS FOR EXACT RACK LAYOUT AND ADDITIONAL INFORMATION.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL EXTEND ALL RECEPTACLES OUT WITH NEW PLYWOOD BACKBOARD BEING INSTALLED. PROVIDE PANEL AND CIRCUIT NUMBER ON ALL RECEPTACLES.
2. SUBMIT SHOP DRAWINGS PER 260511 FOR THE FOLLOWING:
   -5.0 KW UPS
   -RACK PDU
   -ZONE PDU

KEYNOTES: (#)

1. PROVIDE RACK MOUNTED XTREME POWER MODEL # M90C-2S, 3 PHASE, UPS, 5.0 KW, 120/208V, 3-PHASE, 4-WIRE RACK MOUNTED UPS WITH NEMA 20A, L21-20P INPUT AND L21-20R OUTPUT FOR EACH RACK TOWER UPS SHALL HAVE 10 MINUTE BATTERY CAPACITY AT RATED LOAD. THD < 3 %. 5-YEAR WARRANTY .
2. PROVIDE APCRAP8861 RPDU RACK PDU 2G WITH L21-20P CORD. (120/208V, 3-PHASE, 20A, ZERO U, 5.7 KW, 208V, (36) C13 (6) C19 (2) 5-20R OUTLETS. PROVIDE TWO PER RACK, MOUNTED PER MANUFACTURER'S REQUIREMENTS.
3. PROVIDE ONE RACK MOUNTED ZONE PDU UNIT, 30 AMP 3 PHASE, 120/208V, 5-WIRE WITH (4) L21-30R, (6) 5-20R AND TWO 10' POWER CORDS. ZONITZPDS-208V-30A-L21-4L21-20R-CR. REQUIRES (2) 30A, 208V, 3-PHASE (WYE) CIRCUITS.
4. PROVIDE TWO J-BOXES IN CEILING OVER THE CENTER RACK, IN LIEU OF RECEPTACLES. PROVIDE 1"C – 4#8, & 1#10 GND BACK TO A 60A/3P BREAKER IN THE PANEL FOR EACH J-BOX.
5. PROVIDE ONE RACK MOUNTED ZONE PDU UNIT. 60 AMP, 3 PHASE, 120/208V, 5 WIRE WITH (6) L21-20R AND TWO 10' POWER CORDS. ZONIT ZPDS-208V60A-HW-6L21-20R. REQUIRES (2) 208V, 60A, 3-PHASE (WYE) CRICUITS.
6. NOT USED.
7. PROVIDE RECEPTACLE OR J-BOX AS REQUIRED ON DETAILS 2,3,5 & 6.

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PE076741

Office of Construction and Facilities Management

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Drawing Title: ELECTRICAL DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 0
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 00-E502
		Issue Date: 06.13.2025 / Checked: GJL / Drawn: HAB	SHEET 26 of 797

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LED LUMINAIRE SCHEDULE

(DESC) DOOR:	**DISTRIBUTION:**	**BEAMWIDTH:**	**(L/L) LENS/LOUVER:**	K19 - KSH19 .156" ACRYLIC
FA - FLAT ALUMINUM	II - ANSI/IES TYPE 2 DISTRIBUTION	NSP - VERY NARROW SPOT	A - .125" ACRYLIC	M - MATTE DIFFUSE CLEAR
FS - FLAT STEEL	III - ANSI/IES TYPE 3 DISTRIBUTION	SP - SPOT	B - BAFFLE/LOUVER	N - NONE
RA - REGRESSED ALUMINUM	IV - ANSI/IES TYPE 4 DISTRIBUTION	MD - MEDIUM	C - CLEAR ALZAK	P - POLYCARBONATE
RS - REGRESSED STEEL	V - ANSI/IES TYPE 5 DISTRIBUTION	WD - WIDE	F - FROSTED ACRYLIC	R - HIGH IMPACT DR ACRYLIC
FINISH:		VWD - VERY WIDE	G - TEMPERED GLASS	SS - SEMI-SPECULAR CLEAR
PAF - PAINT AFTER FABRICATION		WW - WALL WASH	K - KSH12 .125" ACRYLIC	O - OTHER (SEE DESCRIPTION)
CFSA - COLOR-FINISH SELECTION BY ARCHITECT				[DESIGN SPECIFIC BLANKS]
(MTG) MOUNTING:	RE - RECESSED		**(WATT) PER:**	FIX - FIXTURE, FT - FOOT, LAMP
CL - CEILING SURFACE	SP - SUSPENDED		**(TYPE) LED**	RGB - COLOR CHANGING LED
CV - COVE	SU - SURFACE		LED - LIGHT EMITTING DIODE	RGBW - COLOR CHANGING + WHITE
FR - FLANGED RECESSED	UC - UNDER CABINET		TLED - TUBULAR LED LAMP	RGBA - COLOR CHANGING + AMBER
P - PERIMETER	WL - WALL		OLED - ORGANIC LED	RLED - RETROFIT LED
PL - POLE	O - OTHER (SEE DESCRIPTION)		DLED - DYNAMIC TUNABLE LED	WLED - WARM DIM LED
(TYPE) DRIVER:				
0-10V - 0-10V DIMMING	EB - ELECTRONIC	HL - HIGH/LOW (100%/50%) STEP DIM		MV - MULTI-VOLTAGE ELECTRONIC
DALI - DIGITAL ADDRESSABLE	ELV - ELECTRONIC LOW VOLTAGE	LINE - LINE VOLTAGE DIMMING		REM - REMOTE
DMX - DIGITAL MULTIPLEX	EM - EMERGENCY BATTERY	ML - MULTI-LEVEL SWITCHING		O - OTHER (SEE DESCRIPTION)

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

REFER TO SPECIFICATION SECTIONS INTERIOR LIGHTING 26 51 00 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
INTERIOR CORRELATED COLOR TEMPERATURE 3500K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80 UNLESS NOTED OTHERWISE.

				DIMENSIONS				WATT		LED			DRIVER		
ITEM	DESCRIPTION	L/L	MTG	L	W	H	DIA.	ANSI WATTS	PER	TYPE	QTY	DELIVERED LUMENS (MIN)	VOLTS	TYPE	MANUFACTURER AND MODEL
A	LED STRIP LIGHT FIXTURE WITH ACRYLIC LENS	A	SP	4'-0"	2"	3"		41 W	FIX	LED	1	5000	UNIVERSAL	0-10V	LITHONIA #ZL1D SERIES OR PRE-APPROVED EQUAL
A1	LED STRIP LIGHT FIXTURE WITH ACRYLIC LENS	A	SP	4'-0"	2"	3"		41 W	FIX	LED	1	5000	UNIVERSAL	0-10V	LITHONIA #ZL1D SERIES OR PRE-APPROVED EQUAL
B	2X2 LED TROFFER DIRECT INDIRECT	A	RE	2'-0"	2'-0"	5 1/2"		16 W	FIX	LED	1	2000	UNIVERSAL	0-10V	LITHONIA #HVTS SERIES OR PRE-APPROVED EQUAL
C	2x4 LED TROFFER DIRECT INDIRECT	A	RE	4'-0"	2'-0"	5 1/2"		38 W	FIX	LED	1	4000	UNIVERSAL	0-10V	LITHONIA #HVTS SERIES OR PRE-APPROVED EQUAL
D	DATA CENTER LED WRAP-AROUND. DIMMABLE CONTINUOUS MOUNTING OPAL LENS.	P	SP	4'-0"	6"	4"		50 W	FIX		1	5000	UNIVERSAL		LUMINAIRE VPF4L LINEAR SERIES OR PRE-APPROVED EQUAL
E	SINGLE-FACE EXIT SIGN, [WHITE] THERMOPLASTIC BODY, [RED] LETTERS, UNIVERSAL ARROWS/MOUNTING. OR PRE-APPROVED EQUAL	O	RE	1'-1"	2"	9"		3 W	FIX	LED	1	L.E.D.	UNIVERSAL	EM	DUAL-LITE LXU [I] LITHONIA LQMS 1 EL [SD] MCPHILBEN CXXL OR PRE-APPROVED EQUAL
F	EXISTING 2X4 LAY-IN	K	RE	4'-0"	2'-0"	4 1/2"		0 W	FIX	FL	1		UNIVERSAL	EB	EXISTING TO BE REUSED

Revisions:	Date:

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Office of Construction and Facilities Management

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Drawing Title ELECTRICAL SCHEDULES	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	**Project Number** 646-22-700
Approved:	FULLY SPRINKLERED	**Location** UNIVERSITY DRIVE PITTSBURGH, PA 15240	**Building Number** 0
		Issue Date 06.13.2025 / **Checked** GJL / **Drawn** HAB	**Drawing Number** 00-E701 SHEET 27 of 797

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ELECTRICAL DISTRIBUTION SCHEDULE

ITEM	VOLTAGE	MAINS RATING / XFMR RATING	FEEDER: WIRE AND RACEWAY	CIRCUIT LENGTH	CONNECTED LOAD	ESTIMATED DEMAND LOAD	CONNECTED CURRENT	ESTIMATED DEMAND CURRENT	SCCR	VOLTAGE DROP – FEEDERS: FEEDER VOLTAGE DROP	VOLTAGE DROP – FEEDERS: UPSTREAM FEEDERS VOLTAGE DROP	VOLTAGE DROP – FEEDERS: TOTAL FEEDER VOLTAGE DROP	VOLTAGE DROP – BRANCH CIRCUITS: MAX BRANCH VOLTAGE DROP	VOLTAGE DROP – BRANCH CIRCUITS: TOTAL VOLTAGE DROP AT MAX BRANCH	LEVEL	LOCATION	COMMENTS
DIST MDP-5	480/277V, 3Ø4W	2,000 A MCB			304.39 kVA	300.66 kVA	366.1 A	361.6 A	35 kA						00 GROUND FLOOR	MECHANICAL ROOM TRANSFORMER AREA AA114A	
├►B1-T6	480/277:120/208V, 3Ø4W	225 kVA	(2) SETS OF 4#250 & 1#2 EGC EACH IN 2 1/2" C.	256'-10 39/64"	102.14 kVA	102.10 kVA	283.5 A	283.4 A		0.89%		0.89%		0.89%	LEVEL 05	ELEC 5W201	
└►B01-MDP-6	120/208V, 3Ø4W	800 A MCB	(2) SETS OF 4#600 & 1#1/0 SSBJ EACH IN 3 1/2" C.	19'-10 27/64"	102.14 kVA	102.10 kVA	283.5 A	283.4 A	22 kA	0.23%	0.89%	1.12%		1.12%	LEVEL 05	ELEC 5W201	
├►B1-TR-5A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	43'-11 241/256"	6.45 kVA	6.45 kVA	17.9 A	17.9 A	10 kA	0.82%	1.12%	1.94%	0.52%	2.46%	LEVEL 05	NEW TR 5W200	
├►B1-TR-BA	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	157'-11 109/128"	5.54 kVA	5.54 kVA	15.4 A	15.4 A	10 kA	1.93%	1.12%	3.05%	0.50%	3.55%	BASEMENT	NEW TR BW106D	
├►B1-TR-GA	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	118'-9 59/256"	5.9 kVA	5.90 kVA	16.4 A	16.4 A	10 kA	1.45%	1.12%	2.57%	0.52%	3.09%	00 GROUND FLOOR	NEW TR CA224C	
├►B1-TR-1A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	86'-3 35/128"	0.18 kVA	0.18 kVA	0.5 A	0.5 A	10 kA	1.62%	1.12%	2.74%	0.08%	2.82%	LEVEL 01	IT 1W121	
├►B1-TR-2A	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	143'-8 183/256"	5.9 kVA	5.90 kVA	16.4 A	16.4 A	10 kA	1.75%	1.12%	2.87%	0.32%	3.19%	LEVEL 02	TELECOM 2W110D	
├►B1-TR-3A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	100'-4 93/128"	15.9 kVA	15.90 kVA	44.1 A	44.1 A	10 kA	1.88%	1.12%	3.00%	0.36%	3.36%	LEVEL 03	IT 3A110	
├►B1-TR-4A	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	156'-8 131/256"	5.9 kVA	5.90 kVA	16.4 A	16.4 A	10 kA	1.90%	1.12%	3.02%	0.59%	3.61%	LEVEL 04	NEW TR 4W137TR	
├►B1-TR-6A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	55'-3 79/256"	6.67 kVA	6.67 kVA	18.5 A	18.5 A	10 kA	1.04%	1.12%	2.16%	0.56%	2.72%	LEVEL 06	NEW TR 6W200	
├►B1-TR-7A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	68'-3 71/128"	6.83 kVA	6.83 kVA	18.9 A	18.9 A	10 kA	1.28%	1.12%	2.40%	0.47%	2.87%	LEVEL 07	NEW TR 7W200	
├►B1-TR-4D	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	142'-10 15/128"	15.36 kVA	15.36 kVA	42.6 A	42.6 A	10 kA	1.74%	1.12%	2.86%	0.25%	3.11%	LEVEL 04	TELECOM 4A02	
├►B1-TR-8A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	77'-1 75/128"	6.83 kVA	6.83 kVA	18.9 A	18.9 A	10 kA	1.45%	1.12%	2.57%	0.50%	3.07%	LEVEL 08	NEW TR 8W200	
├►B1-TR-9A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	90'-6 179/256"	6.83 kVA	6.83 kVA	18.9 A	18.9 A	10 kA	1.70%	1.12%	2.82%	0.48%	3.30%	LEVEL 09	NEW TR 9W200	
├►B1-TR-10A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	102'-6 89/128"	6.83 kVA	6.83 kVA	18.9 A	18.9 A	10 kA	1.92%	1.12%	3.04%	0.47%	3.51%	LEVEL 10	NEW TR 10W200	
└►B1-TR-11A	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	115'-7 19/128"	7.01 kVA	7.01 kVA	19.4 A	19.4 A	10 kA	1.40%	1.12%	2.52%	0.50%	3.02%	LEVEL 11	NEW TR 11W200	
└►ATS-CR6	480/277V, 3Ø4W	400 A	4#600 & 1#3 EGC IN 3 1/2" C. NORMAL, 4#600 & 1#3 EGC IN 3 1/2" C. STANDBY	267'-3"	202.25 kVA	202.25 kVA	243.3 A	243.3 A	18 kA	1.41%		1.41%		1.41%	LEVEL 06	ELEC 6W202	X
└►B1-TCR6	480/277:120/208V, 3Ø4W	225 kVA	(2) SETS OF 4#250 & 1#2 EGC EACH IN 2 1/2" C.	26'-10 77/128"	202.25 kVA	202.25 kVA	561.4 A	561.4 A		0.09%	1.41%	1.50%		1.50%	LEVEL 06	ELEC 6W202	
└►B01-DPCR6	120/208V, 3Ø4W	800 A MCB	(2) SETS OF 4#600 & 1#1/0 SSBJ EACH IN 3 1/2" C.	18'-0 107/256"	202.25 kVA	202.25 kVA	561.4 A	561.4 A	22 kA	0.21%	1.50%	1.71%		1.71%	LEVEL 06	ELEC 6W202	
├►B1-TR-CR6A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	35'-11 201/256"	13.95 kVA	13.95 kVA	38.7 A	38.7 A	10 kA	0.67%	1.71%	2.38%	0.54%	2.92%	LEVEL 06	NEW TR 6W200	
├►B1-TR-CR5A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	29'-1 25/128"	10.93 kVA	10.93 kVA	30.3 A	30.3 A	10 kA	0.55%	1.71%	2.26%	0.40%	2.66%	LEVEL 05	NEW TR 5W200	
├►B1-TR-CR4A	120/208V, 3Ø4W	60 A MCB	4#2 & 1#4 EGC IN 1 1/4" C.	154'-1 193/256"	9.06 kVA	9.06 kVA	25.2 A	25.2 A	10 kA	1.26%	1.71%	2.97%	1.83%	4.80%	LEVEL 04	NEW TR 4W137TR	
├►B1-TR-CR3A	120/208V, 3Ø4W	100 A MCB	4#6 & 1#10 EGC IN 1" C.	105'-5 117/256"	20.89 kVA	20.89 kVA	58 A	58 A	10 kA	1.98%	1.71%	3.69%	0.72%	4.41%	LEVEL 03	IT 3A110	
├►B1-TR-CR2A	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	140'-9 165/256"	10.06 kVA	10.06 kVA	27.9 A	27.9 A	10 kA	1.72%	1.71%	3.43%	0.75%	4.18%	LEVEL 02	TELECOM 2W110D	
├►B1-TR-CR1A	120/208V, 3Ø4W	60 A MCB	4#2 & 1#4 EGC IN 1 1/4" C.	117'-10 19/128"	4.52 kVA	4.52 kVA	12.6 A	12.6 A	10 kA	0.96%	1.71%	2.67%	2.32%	4.99%	LEVEL 01	IT 1W121	
├►B1-TR-CRGA	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	131'-9 113/256"	9.88 kVA	9.88 kVA	27.4 A	27.4 A	10 kA	1.61%	1.71%	3.32%	1.59%	4.91%	00 GROUND FLOOR	NEW TR CA224C	
├►B1-TR-CRBA	120/208V, 3Ø4W	60 A MCB	4#2 & 1#4 EGC IN 1 1/4" C.	150'-3 161/256"	8.88 kVA	8.88 kVA	24.7 A	24.7 A	10 kA	1.23%	1.71%	2.94%	1.97%	4.91%	BASEMENT	NEW TR BW106D	
├►B1-TR-CR11A	120/208V, 3Ø4W	60 A MCB	4#2 & 1#4 EGC IN 1 1/4" C.	95'-7 31/32"	57.12 kVA	57.12 kVA	158.5 A	158.5 A	10 kA	0.78%	1.71%	2.49%	2.51%	5.00%	LEVEL 11	NEW TR 11W200	
├►B1-TR-CR10A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	82'-10 23/64"	9.56 kVA	9.56 kVA	26.5 A	26.5 A	10 kA	1.55%	1.71%	3.26%	0.55%	3.81%	LEVEL 10	NEW TR 10W200	
├►B1-TR-CR9A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	71'-0 45/128"	9.56 kVA	9.56 kVA	26.5 A	26.5 A	10 kA	1.33%	1.71%	3.04%	0.56%	3.60%	LEVEL 09	NEW TR 9W200	
├►B1-TR-CR8A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	62'-10 247/256"	9.56 kVA	9.56 kVA	26.5 A	26.5 A	10 kA	1.18%	1.71%	2.89%	0.55%	3.44%	LEVEL 08	NEW TR 8W200	
├►B1-TR-CR7A	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	48'-11 71/256"	9.56 kVA	9.56 kVA	26.5 A	26.5 A	10 kA	0.92%	1.71%	2.63%	0.53%	3.16%	LEVEL 07	NEW TR 7W200	
├►B1-TR-CR4D	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	145'-0 227/256"	18.7 kVA	18.70 kVA	51.9 A	51.9 A	10 kA	1.77%	1.71%	3.48%	0.45%	3.93%	LEVEL 04	TELECOM 4A02	
└►B1-TR-CR11C	120/208V, 3Ø4W	300 A MCB	4#600 & 1#3 EGC IN 3 1/2" C.	81'-8 247/256"	0 kVA		0 A		22 kA	0.54%	1.71%	2.25%		2.25%	LEVEL 11	UTILITY 11W201	
PANEL PP-B	120/208V, 3Ø4W	100 A MCB			6.12 kVA	6.12 kVA	17 A	17 A	65 kA				2.01%		LEVEL 01		
SWGR	120/208V, 3Ø4W	LVPCB			397.93 kVA	392.31 kVA	1,104.5 A	1,088.9 A	42 kA						BASEMENT	SWITCHGEAR RM 208V BN106	
├►B01-DP7	120/208V, 3Ø4W	800 A MCB	(2) SETS OF 4#600 & 1#1/0 EGC EACH IN 3 1/2" C.	150'-6 113/256"	170.93 kVA	169.81 kVA	474.5 A	471.3 A	22 kA	1.74%		1.74%		1.74%	LEVEL 03	ELEC 3N300	
├►PANEL BTC	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	157'-8 219/256"	5 kVA	5.00 kVA	13.9 A	13.9 A	10 kA	1.92%	1.74%	3.66%	0.68%	4.34%	BASEMENT	PBX RM BC101	
├►B1-TR-GB	120/208V, 3Ø4W	60 A MCB	4#2 & 1#4 EGC IN 1 1/4" C.	200'-3 33/64"	5.18 kVA	5.18 kVA	14.4 A	14.4 A	10 kA	1.64%	1.74%	3.38%	0.30%	3.68%	00 GROUND FLOOR	DATA CLOSET AA162	
├►B1-TR-GC	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	139'-3 157/256"	5 kVA	5.00 kVA	13.9 A	13.9 A	10 kA	1.70%	1.74%	3.44%	0.30%	3.74%	00 GROUND FLOOR	TELECOM AN306A	
├►B1-TR-GD	120/208V, 3Ø4W	60 A MCB	4#1/0 & 1#3 EGC IN 2" C.	328'-6 3/64"	5.9 kVA	5.90 kVA	16.4 A	16.4 A	10 kA	1.73%	1.74%	3.47%	0.34%	3.81%	00 GROUND FLOOR	NEW TR GG108	
├►B1-TR-1B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	45'-4 161/256"	16.08 kVA	16.08 kVA	44.6 A	44.6 A	10 kA	0.85%	1.74%	2.59%	0.66%	3.25%	LEVEL 01	NEW TR 1N301	
├►B1-TR-1C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	398'-11 25/256"	5.36 kVA	5.36 kVA	14.9 A	14.9 A	10 kA	1.81%	1.74%	3.55%	0.33%	3.88%	LEVEL 01	TELECOM 1M195A	
├►B1-TR-1D	120/208V, 3Ø4W	60 A MCB	4#1/0 & 1#3 EGC IN 2" C.	318'-7 59/64"	5.72 kVA	5.72 kVA	15.9 A	15.9 A	10 kA	2.00%	1.74%	3.74%	0.30%	4.04%	LEVEL 01	NEW TR 1G111TR	
├►B1-TR-1E	120/208V, 3Ø4W	60 A MCB	4#2 & 1#4 EGC IN 1 1/4" C.	223'-6 55/256"	5.9 kVA	5.90 kVA	16.4 A	16.4 A	10 kA	1.80%	1.74%	3.54%	0.33%	3.87%	LEVEL 01	NEW TR 1A243	
├►B1-TR-2B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	19'-4 139/256"	15.9 kVA	15.90 kVA	44.1 A	44.1 A	10 kA	0.36%	1.74%	2.10%	0.33%	2.43%	LEVEL 02		
├►B1-TR-2C	120/208V, 3Ø4W	60 A MCB	4#1/0 & 1#3 EGC IN 2" C.	372'-4 189/256"	15.36 kVA	15.36 kVA	42.6 A	42.6 A	10 kA	1.96%	1.74%	3.70%	0.26%	3.96%	LEVEL 02	TELECOM 2M275A	
├►B1-TR-3B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	18'-10 139/256"	16.45 kVA	16.45 kVA	45.7 A	45.7 A	10 kA	0.35%	1.74%	2.09%	0.40%	2.49%	LEVEL 03	NEW TR 3N301	
├►B1-TR-3C	120/208V, 3Ø4W	60 A MCB	4#1/0 & 1#3 EGC IN 2" C.	373'-11 81/128"	5.36 kVA	5.36 kVA	14.9 A	14.9 A	10 kA	1.97%	1.74%	3.71%	0.43%	4.14%	LEVEL 03	TELECOM 3M150	
├►B1-TR-4B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	44'-6 63/64"	6.84 kVA	6.84 kVA	19 A	19 A	10 kA	0.84%	1.74%	2.58%	0.50%	3.08%	LEVEL 04	NEW TR 4N301	
├►B1-TR-4C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	385'-2 45/64"	5.36 kVA	5.36 kVA	14.9 A	14.9 A	10 kA	1.75%	1.74%	3.49%	0.44%	3.93%	LEVEL 04	TELECOM 4M150	
├►B1-TR-5B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	67'-10 237/256"	5.54 kVA	5.54 kVA	15.4 A	15.4 A	10 kA	1.27%	1.74%	3.01%	0.29%	3.30%	LEVEL 05	COMP 5N101A	
├►B1-TR-5C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	402'-0 227/256"	5.36 kVA	5.36 kVA	14.9 A	14.9 A	10 kA	1.82%	1.74%	3.56%	0.49%	4.05%	LEVEL 05	TELECOM 5M150	
├►B1-TR-6B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	68'-0 25/256"	7.03 kVA	7.03 kVA	19.5 A	19.5 A	10 kA	1.27%	1.74%	3.01%	1.38%	4.39%	LEVEL 06	NEW TR 6N301	
├►B1-TR-7B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	62'-10 111/128"	6.67 kVA	6.67 kVA	18.5 A	18.5 A	10 kA	1.18%	1.74%	2.92%	0.76%	3.68%	LEVEL 07	NEW TR 7N301	
├►B1-TR-8B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	91'-5 11/256"	6.67 kVA	6.67 kVA	18.5 A	18.5 A	10 kA	1.71%	1.74%	3.45%	0.82%	4.27%	LEVEL 08	NEW TR 8N301	
├►B1-TR-9B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	100'-9 55/128"	6.67 kVA	6.67 kVA	18.5 A	18.5 A	10 kA	2.00%	1.74%	3.74%	0.79%	4.53%	LEVEL 09	NEW TR 9N301	
├►B1-TR-10B	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	115'-11 1/64"	6.67 kVA	6.67 kVA	18.5 A	18.5 A	10 kA	1.40%	1.74%	3.14%	0.85%	3.99%	LEVEL 10	NEW TR 10N301	
└►B1-TR-11B	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	127'-5 147/256"	6.85 kVA	6.85 kVA	19 A	19 A	10 kA	1.55%	1.74%	3.29%	0.83%	4.12%	LEVEL 11	NEW TR 11N301	
├►ATS-CR7	120/208V, 3Ø4W	800 A	(2) SETS OF 4#600 & 1#1/0 EGC EACH IN 3 1/2" C. NORMAL, (2) SETS OF 4#600 & 1#1/0 SSBJ EACH IN 3 1/2" C. STANDBY	160'-2 11/32"	227 kVA	227.00 kVA	630.1 A	630.1 A	22 kA	1.85%		1.85%		1.85%	LEVEL 04	ELEC 4N303	X
└►B01-DPCR7	120/208V, 3Ø4W	800 A MCB	(2) SETS OF 4#600 & 1#1/0 EGC EACH IN 3 1/2" C.	14'-2 63/128"	227 kVA	227.00 kVA	630.1 A	630.1 A	22 kA	0.16%	1.85%	2.01%		2.01%	LEVEL 04	ELEC 4N303	
├►PANEL BTC 2	120/208V, 3Ø4W	60 A MCB	4#3 & 1#6 EGC IN 1 1/4" C.	165'-3 73/128"	0 kVA		0 A		10 kA	1.65%	2.01%	3.66%		3.66%	BASEMENT	PBX RM BC101	
├►B1-TR-CRGB	120/208V, 3Ø4W	60 A MCB	4#350 & 1#3/0 EGC IN 3" C.	196'-1 145/256"	9.52 kVA	9.52 kVA	26.4 A	26.4 A	10 kA	0.45%	2.01%	2.46%	1.82%	4.28%	00 GROUND FLOOR	DATA CLOSET AA162	
├►B1-TR-CRGD	120/208V, 3Ø4W	60 A MCB	4#3/0 & 1#1 EGC IN 2" C.	363'-0 7/32"	10.06 kVA	10.06 kVA	27.9 A	27.9 A	10 kA	1.36%	2.01%	3.37%	1.51%	4.88%	00 GROUND FLOOR	NEW TR GG108	
├►B1-TR-CR1B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	53'-0 13/64"	16.05 kVA	16.05 kVA	44.5 A	44.5 A	10 kA	1.00%	2.01%	3.01%	0.30%	3.31%	LEVEL 01	NEW TR 1N301	
├►B1-TR-CR1C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	408'-5 209/256"	6.06 kVA	6.06 kVA	16.8 A	16.8 A	10 kA	1.85%	2.01%	3.86%	0.38%	4.24%	LEVEL 01	TELECOM 1M195A	
├►B1-TR-CR1D	120/208V, 3Ø4W	60 A MCB	4#1/0 & 1#3 EGC IN 2" C.	335'-3 3/4"	9.88 kVA	9.88 kVA	27.4 A	27.4 A	10 kA	1.77%	2.01%	3.78%	1.02%	4.80%	LEVEL 01	NEW TR 1G111TR	
├►B1-TR-CR1E	120/208V, 3Ø4W	60 A MCB	4#350 & 1#3/0 EGC IN 3" C.	225'-6 1/64"	10.06 kVA	10.06 kVA	27.9 A	27.9 A	10 kA	0.51%	2.01%	2.52%	2.45%	4.97%	LEVEL 01	NEW TR 1A243	
├►B1-TR-CR2B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	34'-9 3/16"	16.56 kVA	16.56 kVA	46 A	46 A	10 kA	0.65%	2.01%	2.66%	0.49%	3.15%	LEVEL 02		
├►B1-TR-CR2C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	403'-1 103/256"	16.06 kVA	16.06 kVA	44.6 A	44.6 A	10 kA	1.83%	2.01%	3.84%	0.44%	4.28%	LEVEL 02	TELECOM 2M275A	
├►B1-TR-CR3B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	11'-3 1/8"	20.75 kVA	20.75 kVA	57.6 A	57.6 A	10 kA	0.21%	2.01%	2.22%	0.57%	2.79%	LEVEL 03	NEW TR 3N301	
├►B1-TR-CR3C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	382'-4 79/256"	5.18 kVA	5.18 kVA	14.4 A	14.4 A	10 kA	1.74%	2.01%	3.75%	0.50%	4.25%	LEVEL 03	TELECOM 3M150	
├►B1-TR-CR4B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	42'-5 83/256"	14.95 kVA	14.95 kVA	41.5 A	41.5 A	10 kA	0.80%	2.01%	2.81%	1.16%	3.97%	LEVEL 04	NEW TR 4N301	
├►B1-TR-CR4C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	388'-3 3/8"	5.18 kVA	5.18 kVA	14.4 A	14.4 A	10 kA	1.76%	2.01%	3.77%	0.50%	4.27%	LEVEL 04	TELECOM 4M150	
├►B1-TR-CR5B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	65'-7 13/32"	9.7 kVA	9.70 kVA	26.9 A	26.9 A	10 kA	1.23%	2.01%	3.24%	0.42%	3.66%	LEVEL 05	COMP 5N101A	
├►B1-TR-CR5C	120/208V, 3Ø4W	60 A MCB	4#2/0 & 1#2 EGC IN 2" C.	383'-4 93/256"	5.18 kVA	5.18 kVA	14.4 A	14.4 A	10 kA	1.74%	2.01%	3.75%	0.49%	4.24%	LEVEL 05	TELECOM 5M150	
├►B1-TR-CR6B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	66'-0 69/128"	9.56 kVA	9.56 kVA	26.5 A	26.5 A	10 kA	1.24%	2.01%	3.25%	0.62%	3.87%	LEVEL 06	NEW TR 6N301	
├►B1-TR-CR7B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	58'-8 231/256"	9.74 kVA	9.74 kVA	27 A	27 A	10 kA	1.10%	2.01%	3.11%	0.61%	3.72%	LEVEL 07	NEW TR 7N301	
├►B1-TR-CR8B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	89'-5 55/64"	9.56 kVA	9.56 kVA	26.5 A	26.5 A	10 kA	1.70%	2.01%	3.71%	0.60%	4.31%	LEVEL 08	NEW TR 8N301	
├►B1-TR-CR9B	120/208V, 3Ø4W	60 A MCB	4#6 & 1#10 EGC IN 1" C.	97'-1 21/128"	9.74 kVA	9.74 kVA	27 A	27 A	10 kA	1.82%	2.01%	3.83%	0.50%	4.33%	LEVEL 09	NEW TR 9N301	
├►B1-TR-CR10B	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	113'-11 27/256"	9.74 kVA	9.74 kVA	27 A	27 A	10 kA	1.39%	2.01%	3.40%	0.56%	3.96%	LEVEL 10	NEW TR 10N301	
├►B1-TR-CR11B	120/208V, 3Ø4W	60 A MCB	4#4 & 1#6 EGC IN 1 1/4" C.	125'-9 117/128"	9.74 kVA	9.74 kVA	27 A	27 A	10 kA	1.53%	2.01%	3.54%	0.59%	4.13%	LEVEL 11	NEW TR 11N301	
├►B1-TR-CR11D	120/208V, 3Ø4W	300 A MCB	4#350 & 1#4 EGC IN 2 1/2" C.	105'-5 43/256"	0 kVA		0 A		10 kA	0.82%	2.01%	2.83%		2.83%	LEVEL 11	UTILITY 11N302	
└►B1-TR-CRBB	120/208V, 3Ø4W	100 A MCB	4#4/0 & 1#1 EGC IN 2 1/2" C.	152'-4 21/64"	13.68 kVA	13.68 kVA	38 A	38 A	10 kA	0.80%	2.01%	2.81%	1.88%	4.69%	BASEMENT	NEW TR AREA BC101TR	
├►ATS-UPS-B	120/208V, 3Ø4W	400 A	4#500 & 1#3 EGC IN 3 1/2" C. NORMAL, 4#500 & 1#3 EGC IN 3 1/2"C. STANDBY	20'-9 187/256"	0 kVA		0 A		22 kA	1.14%		1.14%		1.14%	LEVEL 03	ELEC 3N300	X
└►ATS-UPS-A	120/208V, 3Ø4W	400 A	4#500 & 1#3 EGC IN 3 1/2" C. NORMAL, 4#500 & 1#3 EGC IN 3 1/2"C. STANDBY	21'-6 231/256"	0 kVA		0 A		22 kA	1.05%		1.05%		1.05%	LEVEL 03	ELEC 3N300	X
33-MDP	120/208V, 3Ø4W	400 A MCB			3.34 kVA	3.34 kVA	9.3 A	9.3 A	65 kA				1.69%		LEVEL 01		
├►HP1	NoneV, Not ComputedØNot ComputedW	100 A MCB	4#3/0 & 1#6 EGC IN 2" C.	21'-0 25/64"	0 kVA		Not Computed		65 kA	0.22%		0.22%		0.22%	LEVEL 01		
├►LP1	NoneV, Not ComputedØNot ComputedW	100 A MCB	4#3/0 & 1#6 EGC IN 2" C.	19'-2 255/256"	0 kVA		Not Computed		65 kA	0.20%		0.20%		0.20%	LEVEL 01		
└►PP1	NoneV, Not ComputedØNot ComputedW	100 A MCB	4#3/0 & 1#6 EGC IN 2" C.	17'-5 77/128"	0 kVA		Not Computed		65 kA	0.18%		0.18%		0.18%	LEVEL 01		
EQBLB	120/208V, 3Ø4W	300 A MCB			13.5 kVA	13.50 kVA	37.5 A	37.5 A	65 kA				1.34%		BASEMENT		
DIST. EQ-5	480/277V, 3Ø4W	1,200 A MCB			104.81 kVA	104.81 kVA	126.1 A	126.1 A	35 kA						BASEMENT	TRANSFORMER VAULT BW107	
├►B1-5EQ-2	480/277V, 3Ø4W	400 A MCB	4#250MCM & 1#4 EGC IN 2 1/2" C.	200'-2 29/64"	52.4 kVA	52.40 kVA	63 A	63 A	18 kA	1.00%		1.00%	0.13%	1.13%	LEVEL 05	DATA CENTER 5N301	
└►B1-5EQ-1	480/277V, 3Ø4W	400 A MCB	4#250MCM & 1#4 EGC IN 2 1/2" C.	237'-4 65/256"	52.4 kVA	52.40 kVA	63 A	63 A	14 kA	1.20%		1.20%	0.14%	1.34%	LEVEL 05	DATA CENTER 5N301	
30-EQ2LB	120/208V, 3Ø4W	400 A MCB			8.32 kVA	8.32 kVA	23.1 A	23.1 A	65 kA				2.44%		LEVEL 03		

Revisions: | Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL SCHEDULES

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE, PITTSBURGH, PA 15240

Issue Date: 06.13.2025 | Checked: GJL | Drawn: HAB

Project Number: 646-22-700

Building Number: 0

Drawing Number: 00-E702

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SINGLE DOOR

DOUBLE DOORS

D1 SECURITY DOOR TYPES

1/2" = 1'-0"

GENERAL AND DEMOLITION NOTES:

GENERAL NOTES:

1. COORDINATE MOUNTING HEIGHTS AND INSTALLATION DETAILS WITH ARCHITECTURAL DRAWINGS.
2. CONTRACTOR SHALL REVIEW ALL ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, TELECOM & STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
3. COORDINATE MOUNTING HEIGHTS AND INSTALLATION DETAILS WITH ARCHITECTURAL DRAWINGS.
4. BASE BUILDING SECURITY SYSTEM IS ACRE SECURITY SYSTEMS. COORDINATE SECURITY SYSTEM SWITCHES, HEAD-ENDS, AND ASSOCIATED INFRASTRUCTURE TO FEED NEW CAMERA AND ACCESS CONTROL DEVICES WITH BASE BUILDING SECURITY VENDOR.
5. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY AE WHICH ARE PREPARED BY BASE BUILDING SECURITY SYSTEM VENDOR. DRAWINGS TO INCLUDE ALL NECESSARY COMPONENTS AND BACK-END EQUIPMENT LOCATIONS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
6. CONTRACTOR SHALL VERIFY IN FIELD EXISTING AVAILABLE SECURITY NETWORK SWITCHES. NEW CAMERAS SHALL BE CONNECTED TO NEAREST AVAILABLE SECURITY NETWORK SWITCH. FOR BID PURPOSES, ASSUME 300FT CABLE LENGTH FROM CAMERA TO SECURITY SWITCH.
7. ACCESS CONTROL SYSTEM: NEW ACCESS CONTROL PROVISIONS TO BE INSTALLED FOR ALL NEW, RELOCATED, OR EXPANDED TELECOM ROOMS ON EXISTING-TO-REMAIN ACCESS CONTROL SYSTEM. CONTRACTOR TO COORDINATE ALL HARDWARE AND LOCATIONS WITH BASE BUILDING SECURITY SYSTEM VENDOR AND VA STAFF.
8. SSTV SYSTEM: NEW SECURITY CAMERAS TO BE INSTALLED FOR ALL NEW, RELOCATED, OR EXPANDED TELECOM ROOMS. CONTRACTOR TO COORDINATE ALL HARDWARE AND LOCATIONS WITH BASE BUILDING SECURITY SYSTEM VENDOR AND VA STAFF.
9. ALL CONDUIT AND BACK BOXES REQUIRED FOR THE INSTALLATION OF SECURITY DEVICES AND EQUIPMENT TO BE PROVIDED BY DIV. 26 CONTRACTOR. COORDINATE WITH THE VA FACILITIES DEPARTMENT FOR EXACT LOCATION OF DEVICES.
10. REFERENCE ARCHITECTURAL SHEETS FOR ALL DOOR TYPES, ENCLOSURES, FRAME DETAILS AND PATHWAYS.
11. ALL TELECOM RACKS TO BE PROVIDED BY DIV. 27 CONTRACTOR.
12. ALL SECURITY SWITCHES AND HEAD-END EQUIPMENT IS EXISTING TO REMAIN. EXISTING CAMERAS BEING FED FROM DECOMMISSIONED TELECOM RACKS, PER TELECOM DRAWINGS AND SCOPE, SHALL BE RE-FED FROM NEW/REPLACEMENT RACKS IN NEW TELECOM ROOM LOCATION. COORDINATE WITH TELECOM DRAWINGS FOR MORE INFORMATION.
13. COORDINATE WITH DOOR HARDWARE SCHEDULE IN ARCHITECTURAL DRAWING SET FOR LOCKING MECHANISM TYPE FOR SECURITY INTEGRATION (ELECTRIC LATCH, ELECTRIC STRIKE, MAGNETIC LOCK). PROVIDE ALL HARDWARE AND ACCESSORIES NECESSARY.
14. MOTION DETECTOR REX TO BE PROGRAMMED AND INTEGRATED WITH DOOR HARDWARE TO PREVENT LOCKING OF DOOR IF ROOM IS OCCUPIED. INSTALL REX MOTION SENSOR ABOVE DOOR FRAME. REX TO BE FAIL-SAFE IN EVENT OF DEVICE MALFUNCTION.
15. PROVIDE TRI-TECH MOTION SENSOR IN TR'S (SEPARATE FROM REX) FOR ROOM OCCUPANCY MONITORING TIED TO PACS SYSTEM.
16. SECURITY SYSTEM VIDEO STORAGE REQUIREMENTS: 720P, 15IPS, 80% VIDEO MOTION, 30 DAYS.
17. SUBMIT COMPLETE ACCESS CONTROL AND VIDEO SURVEILLANCE SUBMITTAL PACKAGE PER SPECIFICATION SECTIONS 282300-1.5D AND 281300-1.4D.
18. COORDINATE CABLING COLOR WITH CAMPUS STANDARDS.
19. COORDINATE DEVICE MAKE/MANUFACTURER WITH EXISTING CAMPUS SYSTEMS AND EQUIPMENT FOR COMPATIBILITY.
20. PROVIDE NEW NETWORK VIDEO RECORDER (NVR) SERVER'S AS NECESSARY TO ACCOMODATE STORAGE REQUIREMENTS OF ALL NEW CAMERAS INSTALLED AS PART OF THIS PROJECT. COORDINATE WITH VIDEO SURVEILLANCE SPECIFICATIONS FOR MORE DETAILS.
21. ALL TELECOM ENCLOSURES (TES) TO HAVE HARD-KEY LOCKS SUPPLIED. CONTRACTOR TO COORDINATE WITH VA TO INTEGRATE TE LOCKS INTO LOCK PROGRAM OF FACILITY.
22. CONTRACTOR IS RESPOSIBLE FOR FULLY REVIEWING SECURITY DRAWINGS, SPECS, AND EXISTING CONDITIONS PRIOR TO SUBMITTING BID. CONTRACTOR TO RAISE ANY QUESTIONS ON THE SCOPE OF THE PROJECT IN THE FORM OF PRE-BID RFI'S TO BE REVIEWED AND RESPONDED BY VA AND AE.
23. ADD-ALT #1: REPLACE AND UPGRADE RS2 SYSTEM ACCESS CONTROL PANEL CONTROL BOARDS (60 TOTAL) FOR ALL SECURITY ACCESS PANELS GETTING NEW DEVICES ADDED AS PART OF EHRM SCOPE OF WORK. UPGRADED CONTROL BOARDS TO BE TYPE GEN 3. COORDINATE WITH BASE BUILDING SECURITY VENDOR FOR CONTROL BOARD UPGRADE TYPE, QUANTITY, AND SEQUENCE. PROVIDE SUBMITTAL FOR REVIEW BY AE.

DEMOLITION NOTES:

1. FOR EXISTING EQUIPMENT, SUCH AS CARD READERS, WIRING DEVICES, CONDUITS, ETC., SHOWN ON PLANS TO BE REMOVED, COMPLETELY CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA, DISCONNECT WIRING AT THE OVERCURRENT PROTECTIVE DEVICE AND REMOVE WIRING COMPLETELY FROM THE ABANDONED CONDUITS.
2. DISCONNECT ALL ABANDONED WIRING OF ALL TYPES AT THE OVERCURRENT PROTECTIVE DEVICE. COMPLETELY REMOVE ALL ABANDONED WIRING.
3. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.

ADDITIONAL ITEMS TO BE INCLUDED IN BID PRICING:

1. (15) ADDITIONAL SSTV CAMERAS AND CABLING
2. (15) ADDITIONAL CARD READERS AND CABLING
3. (15) ADDITIONAL LOCKSETS, ELECTRIC STRIKES, DOOR CONTACTS, AND REX DEVICES
4. (25) ADDITIONAL ACCESS CONTROL PANELS AND CABLING TO NEAREST TELECOM ROOM (TR)

NOTE: IN EVENT NOT ALL ADDITIONAL ITEMS ARE PROVIDED/INSTALLED IN FINAL CONDITION, CONTRACTOR TO PROVIDE CREDIT BACK TO VA.

SECURITY VENDOR CONTACT INFORMATION:

MILLER INFORMATION SYSTEMS
POC: SHANE LEVDANSKY
TEL: 412-781-5000 x308
ADDRESS:
4068 MT. ROYAL BLVD.
ALLISON PARK, PA, 15101

ELECTRONIC SAFETY & SECURITY ABBREVIATIONS:

1PH	SINGLE-PHASE
1P	SINGLE POLE
2/C	TWO-CONDUCTOR
3/C	THREE-CONDUCTOR
3PH	THREE-PHASE
4/C	FOUR-CONDUCTOR
4W	FOUR-WIRE
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AAP	ALARM ANNUNCIATOR PANEL
AC	ALTERNATING CURRENT OR ARMORED CABLE
ACC	ACCESSIBLE
ADDL	ADDITIONAL
ADJ	ADJACENT, ADJOINING
ADO	AUTOMATIC DOOR OPENER
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
AMB	AMBIENT
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
BAT	BATTERY
BC	BARE COPPER
BD	BOARD
BFF	BELOW FINISH FLOOR
BLDG	BUILDING
BPIP	BOILER PLANT INSTRUMENTATION PANEL
BYP	BY PASS
C	CONDUIT
CAB	CABINET
CALC	CALCULATE
CAP	CAPACITY
CAT	CATALOG
CATV	COMMUNITY ANTENNA TELEVISION
CCR	CONTROL CONTACTOR
CCTV	CLOSED CIRCUIT TELEVISION
CD	CONSTRUCTION DOCUMENTS
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED
CFE	CONTRACTOR FURNISHED EQUIPMENT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COAX	COAX CABLE
COMM	COMMUNICATION
COMPT	COMPARTMENT
CONC	CONCRETE
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CTV	CABLE TELEVISION
CU	COPPER
CU FT	CUBIC FEET
CUR	CURRENT
DB	DECIBEL OR DIRECT BURIAL
DC	DIRECT CURRENT
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLITION
DIAG	DIAGRAM
DISTR	DISTRIBUTION
DN	DOWN
DRSW	DOOR SWITCH
DWG	DRAWING
EC	EMPTY CONDUIT
EG	EQUIPMENT GROUND
EL	ELEVATION
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EPO	EMERGENCY POWER OFF
ESMT	EASEMENT
EXIST	EXISTING
FLEX	FLEXIBLE METALLIC CONDUIT
FOUTT	TELEPHONE FLOOR OUTLET
FP	FIRE PROTECTION
FT	FEET OR FOOT
FU SW	FUSED SWITCH
G OR GND	GROUND OR GENERATOR
GEN	GENERATOR
GTB	GROUND TERMINAL BOX
HOA	HAND-OFF-AUTOMATIC
HT	HEIGHT
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
IR	INFRARED
J-BOX	JUNCTION BOX
LF	LINEAR FEET (FOOT)
LTNG	LIGHTNING
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION SYSTEM
MAX	MAXIMUM
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
NA	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NS	NO SCALE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	POLE
PA	PUBLIC ADDRESS
PB	PANELBOARD OR PUSHBUTTON
PBPU	PREFABRICATED BEDSIDE PATIENT UNIT
PED	PEDESTAL
PEND	PENDANT
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE (PLASTIC)
PWR	POWER
RCP	REFLECTED CEILING PLAN
REC	RECESSED
RECPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
REQD	REQUIRED
SF	SQUARE FOOT (FEET)
SHT	SHEET
SI I	NTERNATIONAL SYSTEM OF UNITS
SPEC	SPECIFICATION
SURF	SURFACE
SW	SWITCH
TEL	TELEPHONE
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UFD	UNDERFLOOR DUCT
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY
V	VOLT
WP	WEATHERPROOF

ELECTRONIC SAFETY & SECURITY SYMBOLS:

AUDIO DEVICE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BELL C-CHIME H-HORN K-KLAXON
L-LISTEN-IN M-MICROPHONE S-SOUNDER S-SPEAKER

CARD ACCESS READER; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BARCODE F-ELEVATOR FLOOR CALL H-ELEVATOR HALL CALL
M-MAG STRIP P-PROXIMITY S-SMART CARD
T-TOKEN

CARD READER WITH KEYPAD; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL

ELECTRONIC LOCK; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
D-DEADBOLT H-HYBRID L-LATCH SET M-MAGNETIC

EXIT DEVICE; LETTER INDICATES AS FOLLOWS:
T=TECHNOLOGY/TYPE
D-DELAYED EGRESS E-ELECTRIFIED M-MECHANICAL X-HIGH SECURITY

KEYPAD DEVICE; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL

MOTION DETECTOR; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
D-DUAL TECHNOLOGY IR-INFRARED M-MICROWAVE U-ULTRASONIC
T-TRI TECHNOLOGY X-REQUEST-FOR-EXIT

PUSH BUTTON; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
B-BELL PUSH D-DURESS P-PANIC R-DOOR RELEASE
X-REQUEST-FOR-EXIT

RECORDER; LETTER INDICATES AS FOLLOWS:
M=MOUNT
C-CEILING D-DESK F-FLUSH H-HIDDEN
P-PEDESTAL R-RACK S-SURFACE W-WALL
T=TECHNOLOGY/TYPE
A-AUDIO D-DIGITAL V-VIDEO

AP — SECURITY ACCESS, ANNUNCIATOR PANEL

SECURITY ACCESS, BUZZER. MTD 1'-6" [457mm] AFF UNLESS OTHERWISE NOTED

SECURITY ACCESS, CONTROL UNIT WITH CLOSED CIRCUIT TELEVISION CAMERA

SECURITY ACCESS, GENERIC "X" INDICATES THE TYPE, PROVIDE SCHEDULE OR LEGEND

SECURITY ACCESS, HORN OR SIREN

SECURITY ACCESS, OUTDOOR MICROWAVE TRANSMISSION UNIT

SECURITY ACCESS, PANIC ALARM

M PTZ — SECURITY ACCESS, VIDEO CAMERA WITH LENS
M = MOTION DETECTOR
PZ = MOTION DETECTOR WITH PAN AND ZOOM
PTZ= MOTION DETECTOR WITH PAN, TILT, AND ZOOM

CEILING MTD. CAMERA WITH 360 DEGREE WIDE-ANGLE LENSE AND SUPPLEMENTAL IR RING

40° — SECURITY ACCESS, VIDEO CAMERA WITH LENS, ANGLE OF VIEW

SECURITY ACCESS, SWITCH, BALANCED MAGNETIC CONTROL

Revisions: Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: SECURITY NOTES, SYMBOLS, AND ABBREVIATIONS
Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025 Checked Drawn

Project Number: 646-22-700

Building Number: 0

Drawing Number: 00-TY001

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EHRM INFRASTRUCTURE UPGRADES

VAPHS - UNIVERSITY DRIVE CAMPUS

UNIVERSITY DRIVE C, PITTSBURGH, PA 15240

1 & 29

FINAL BID DOCUMENTS

06.13.2025

DESIGN TEAM

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VA | U.S. Department of Veterans Affairs

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: COVER SHEET	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-GI001
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 30 of 797

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ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 & 29 SHEET INDEX

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

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Drawn

Project Number: 646-22-700

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 & 29 SHEET INDEX

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE, PITTSBURGH, PA 15240

Issue Date: 06.13.2025 | Checked | Drawn

Project Number: 646-22-700

Building Number: 1

Drawing Number: 01-GI003

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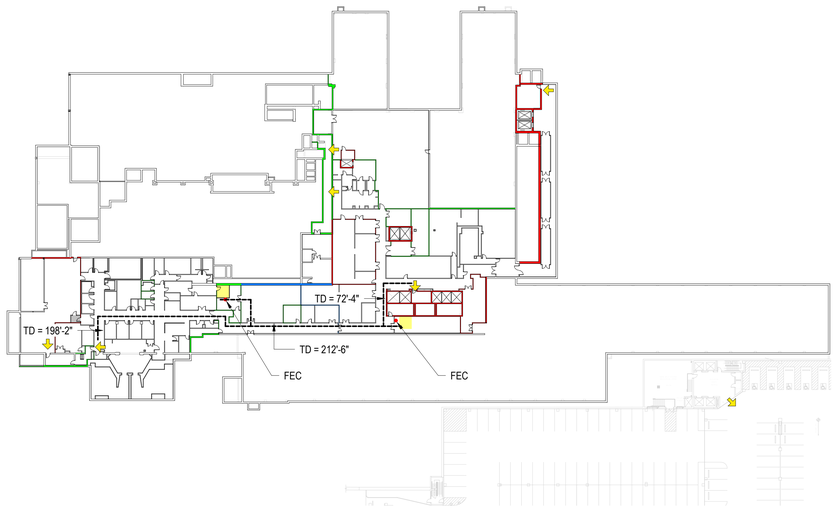

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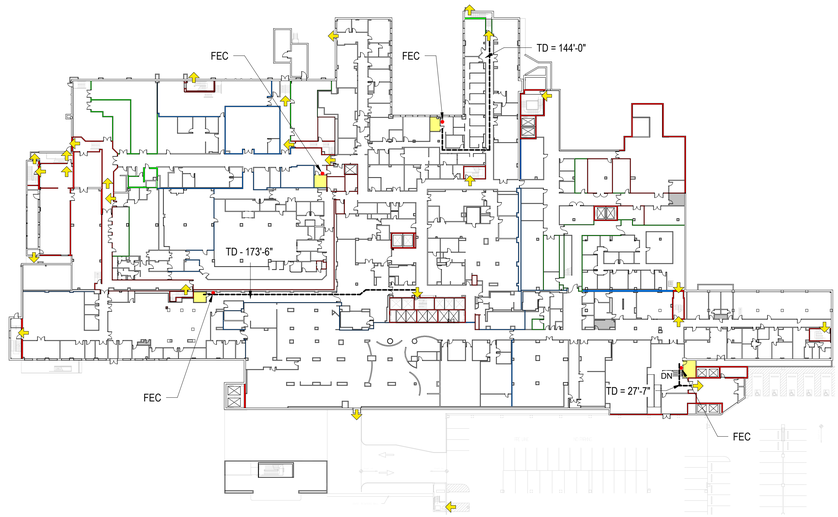
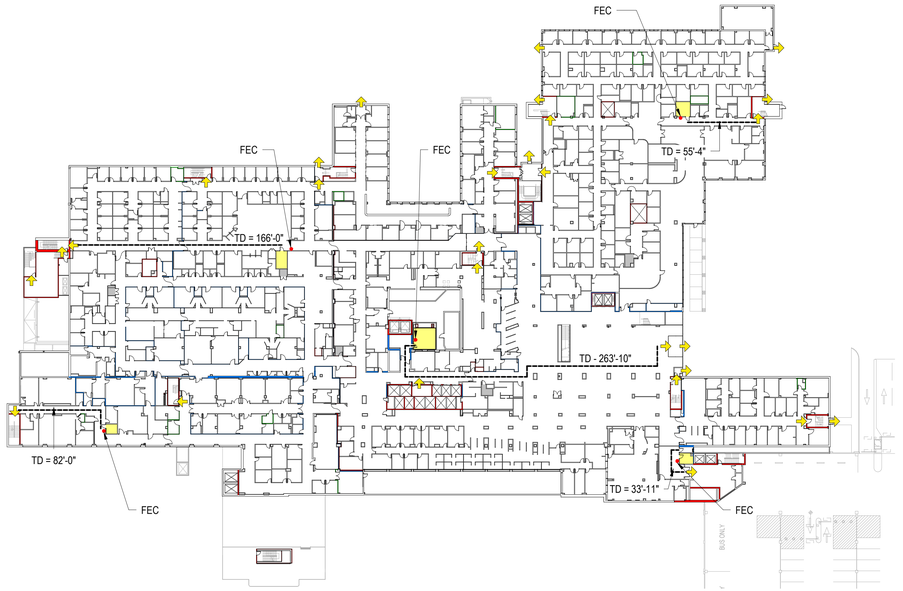


GROUND FLOOR



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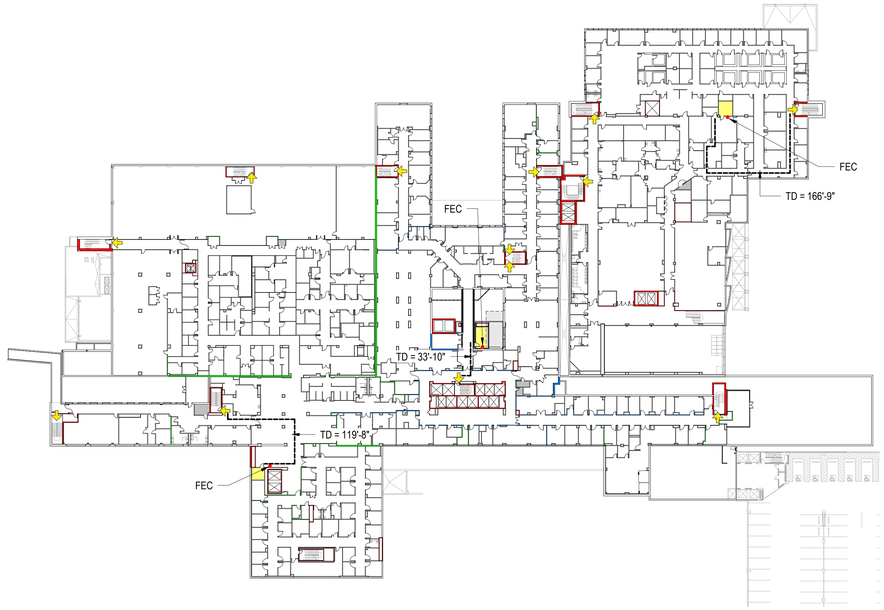

SECOND FLOOR

GENERAL NOTES:

NEW FIRE EXTINGUISHER CABINETS TO BE LOCATED AS SHOWN AND WITHIN 75' OF EACH TR CLOSET. CONFIRM LOCATIONS WITH VA STATION. CABINET TO INCLUDE 10-LB CLEAN AGENT FIRE EXTINGUISHER. IF A COMPLIANT FEC ALREADY EXISTS WITHIN 75', THERE IS NO NEED TO PROVIDE A SECOND AND IT SHOULD CONSTITUTE A CREDIT TO THE OWNER.

FLS LEGEND

- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- EGRESS PATH
- EXIT
- FIRE CABINET (FEC)

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PLAN NORTH

1" = 50'-0" SCALE: 50 0 50 100 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EGRESS DIAGRAMS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-GI110 SHEET 33 of 797

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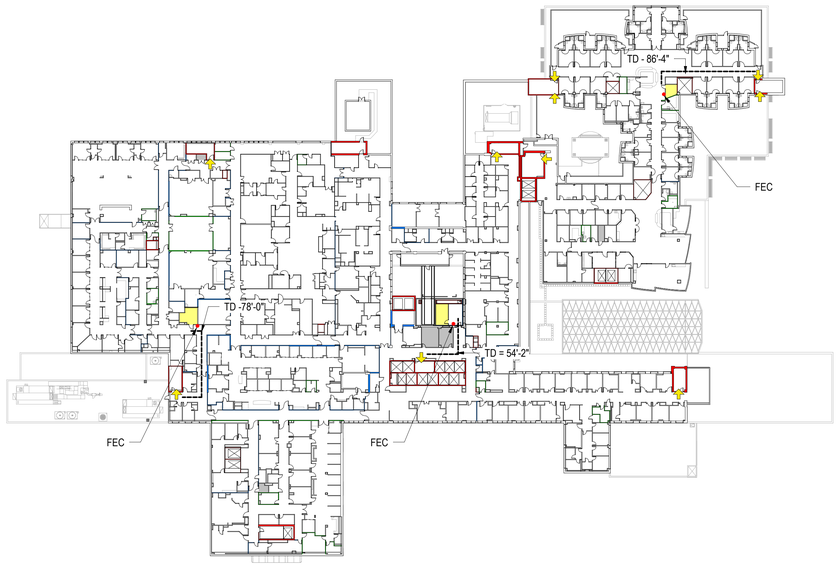
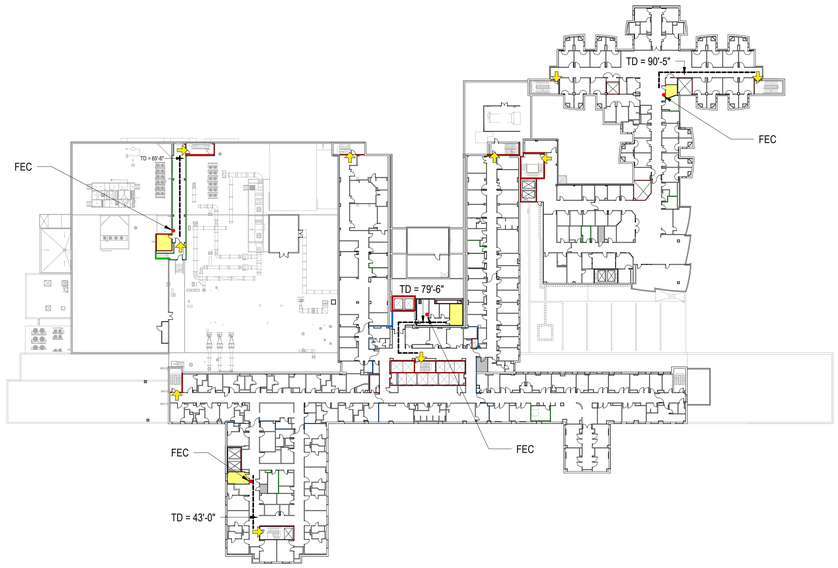
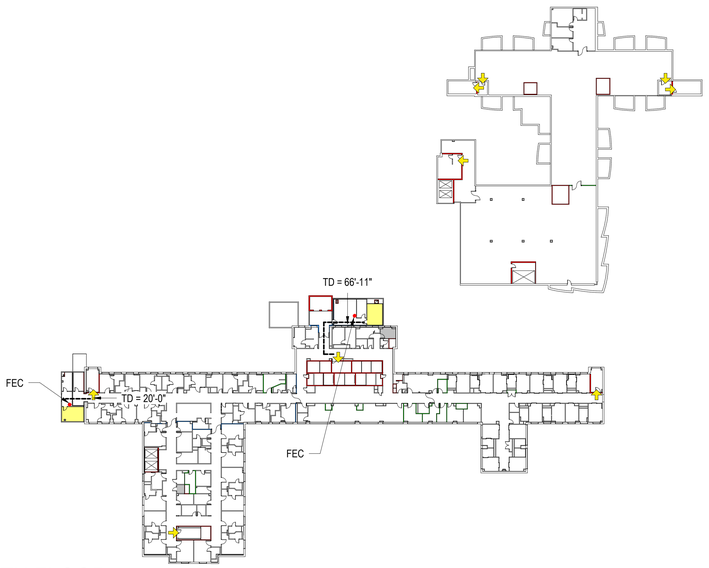


THIRD FLOOR



FOURTH FLOOR

FIFTH FLOOR



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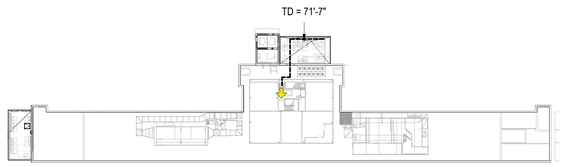
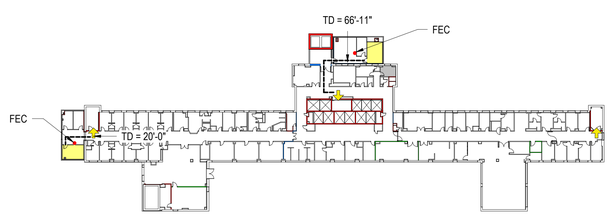


ROOF



7TH THRU 11TH FLOOR

GENERAL NOTES:

NEW FIRE EXTINGUISHER CABINETS TO BE LOCATED AS SHOWN AND WITHIN 75' OF EACH TR CLOSET. CONFIRM LOCATIONS WITH VA STATION. CABINET TO INCLUDE 10-LB CLEAN AGENT FIRE EXTINGUISHER. IF A COMPLIANT FEC ALREADY EXISTS WITHIN 75', THERE IS NO NEED TO PROVIDE A SECOND AND IT SHOULD CONSTITUTE A CREDIT TO THE OWNER.

FLS LEGEND

- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- EGRESS PATH
- EXIT
- FIRE CABINET (FEC)

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PLAN NORTH

1" = 50'-0" SCALE — 50 0 50 100 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA ERNEST H. KLOW No. RA407961

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EGRESS DIAGRAMS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-GI111

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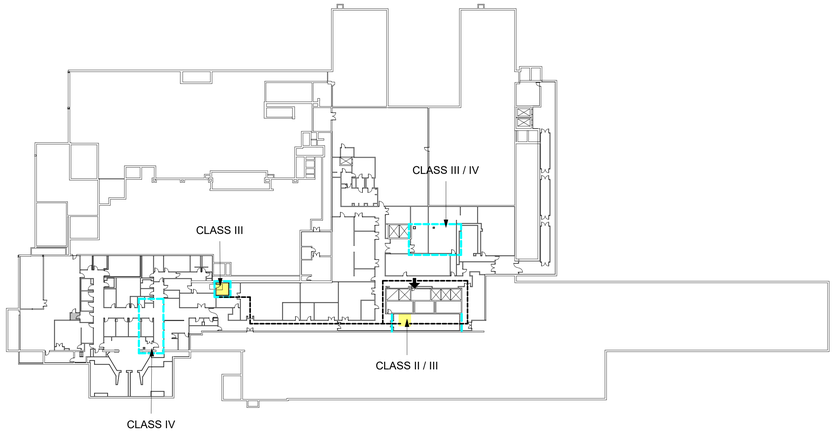
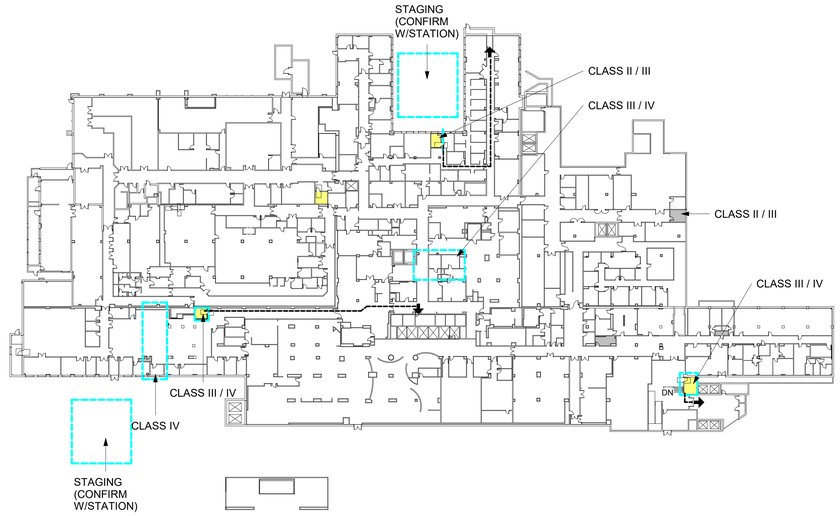
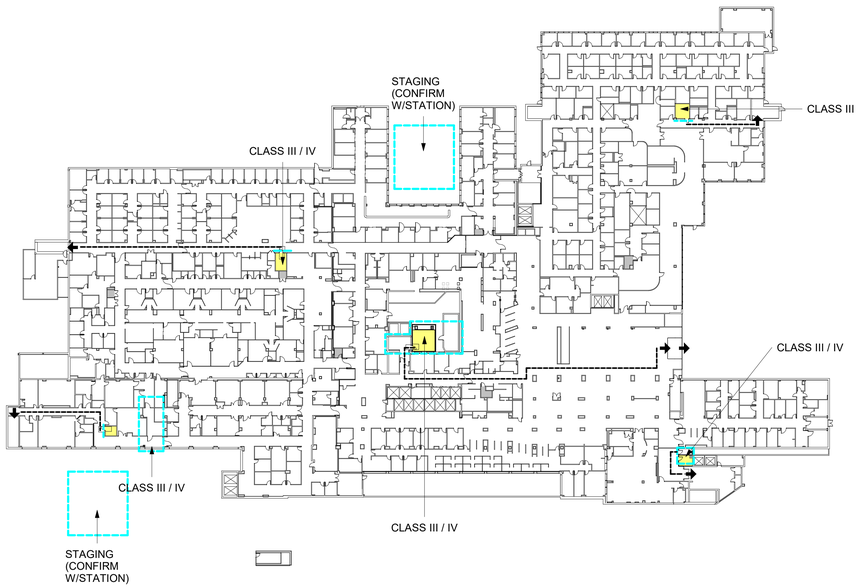


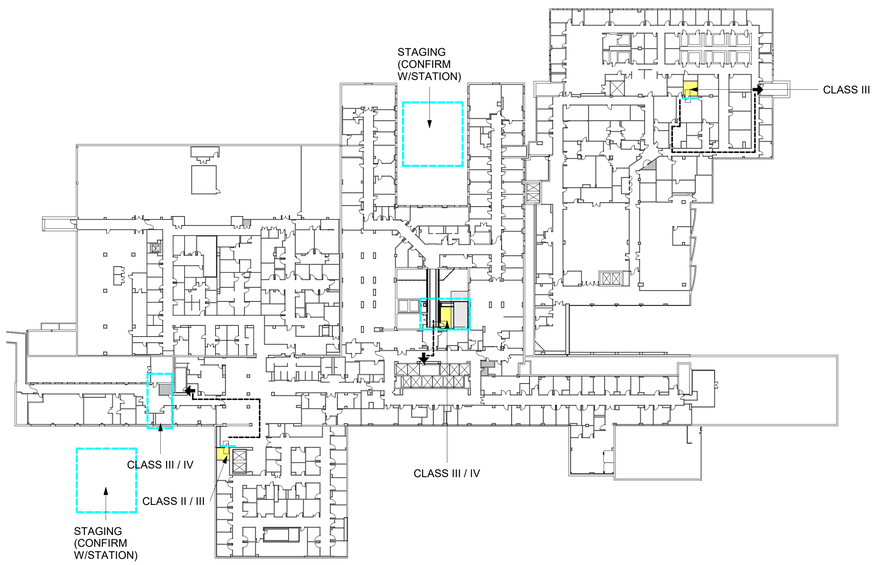
BASEMENT



GROUND FLOOR



FIRST FLOOR



SECOND FLOOR

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AREA ID	LEVEL	ROOM NUMBER	PROGRAM	ICRA ACTIVITY TYPE	ICRA RISK GROUP	ICRA REQS
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1" = 50'-0" SCALE FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA047441

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SEQUENCE DIAGRAMS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-GI115
			SHEET 35 of 797

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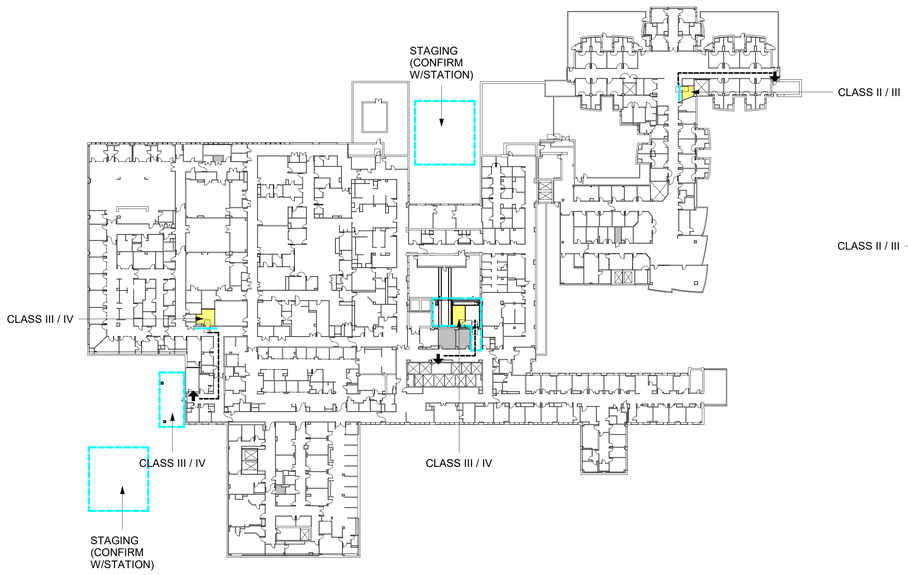

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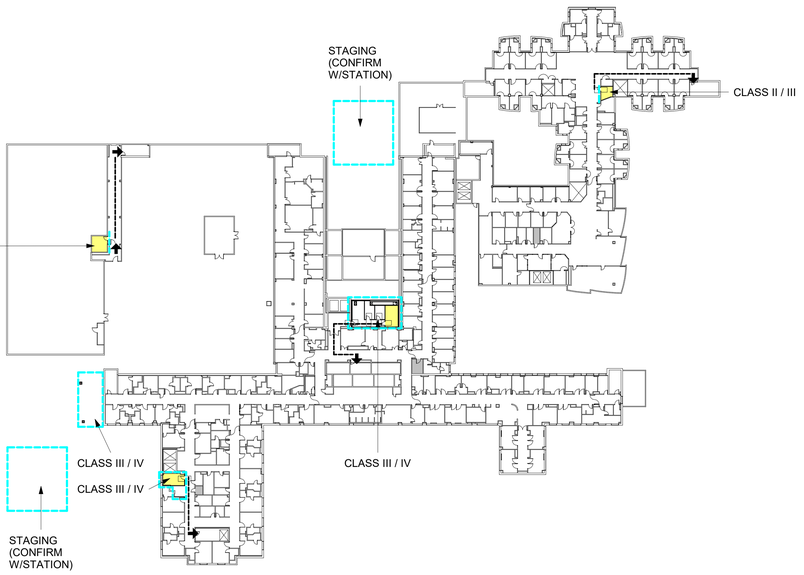

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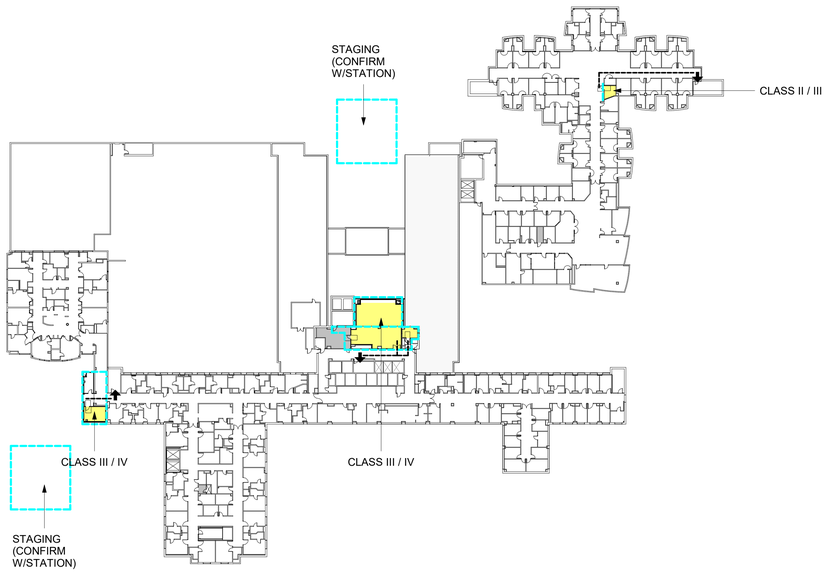

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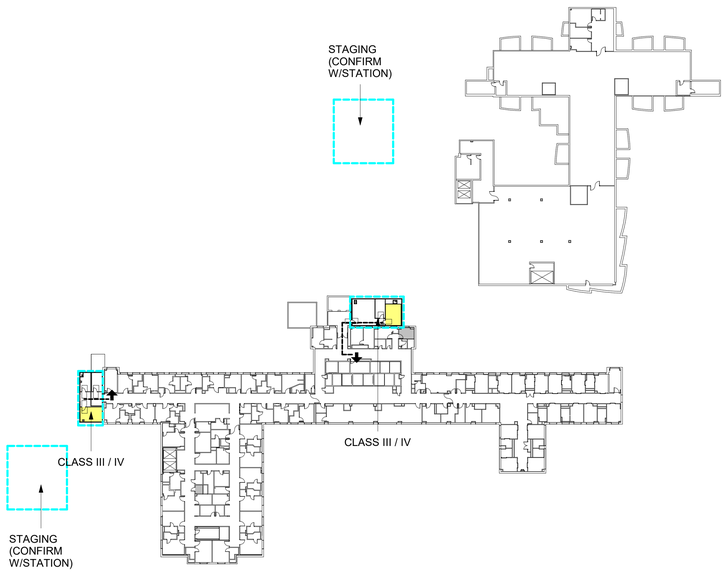

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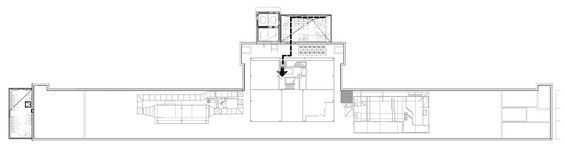

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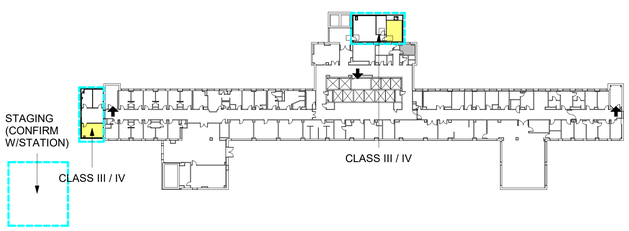

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PLAN NORTH

1" = 50'-0" SCALE: 50 0 50 100 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA JEAN H. KLOW No. RA407191

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SEQUENCE DIAGRAMS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-GI116 SHEET 36 of 797

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DESIGN CRITERIA

1. STRUCTURE HAS BEEN DESIGNED TO COMPLY WITH:

   PENNSYLVANIA BUILDING CODE 2018 IBC 2018
   IEBC 2018
   ICC 500 2014
   ASCE 7-16
   ASCE 41-17
   ACI 318-14
   AISC 360-16
   AISC 341-16, INCLUDING SUPPLEMENTS
   AISI S100
   AWS D1.1, D1.3 AND D1.8
   TMS 402/602-16
2. RISK CATEGORY IV
3. SUPERIMPOSED LOADS ARE LISTED ON PLANS.
4. LIVE LOADS: SEE 01-S010.0 AND 01-S011.0 FOR LOADING PLANS
5. SNOW:

GROUND SNOW	25 PSF
SNOW EXPOSURE FACTOR	1.0
THERMAL FACTOR	1.0
IMPORTANCE FACTOR	1.25
FLAT-ROOF SNOW	22 PSF
DESIGN SNOW	25 PSF
.	.

6. SEISMIC:
   a. LATERAL DESIGN IS BASED ON SITE-SPECIFIC RESPONSE SPECTRUM PROVIDED IN THE GEOTECHNICAL REPORT. THE LATERAL SYSTEM OF THE BUILDING HAS BEEN MODELED IN RAM ELEMENTS.

	NORTH TOWER	WEST TOWER
RISK CATEGORY	IV	IV
SEISMIC DESIGN CATEGORY	C	C
IMPORTANCE FACTOR	1.50	1.50
SOIL CLASS	D	D
Ss	0.089 g	0.089 g
S1	0.045 g	0.045 g
Sds	0.095 g	0.095 g
Sd1	0.072 g	0.072 g
SEISMIC FORCE RESISTING SYSTEM	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
R	3	3
Cd	3	3
Ωo	3	3
ρ	1.0	1.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	EQUIVALENT LATERAL FORCE
SEISMIC RESPONSE COEFFICIENT, Cs	0.0203	0.0203
DESIGN BASE SHEAR, STRENGTH LEVEL	V = 10 KIPS	V = 6.5 KIPS

7. WIND:

BASIC WIND SPEED	V ULT = 122 MPH V ASD = 75 MPH (10-YR MRI)		
EXPOSURE CLASS	B		
STORY DRIFT	____		
INTERNAL PRESSURE COEFFICIENT, GCpi	0.0 [ENGR NOTE: GCpi FOR OPEN] ± 0.55 [ENGR NOTE: GCpi FOR PARTIAL] ± 0.18		
ROOF COMPONENTS:	ZONE 1	ZONE 2	ZONE 3
SUPPORT BEAMS (A > 100 SF)	47 PSF	76 PSF	47 PSF
ROOF SHEATHING (A = 50 SF)	51 PSF	81 PSF	110 PSF
DECK FASTENERS (A ≤ 10 SF)	58 PSF	91 PSF	124 PSF
WALL COMPONENTS:	ZONE 4	ZONE 5	
A = 200 SF	35 PSF	52 PSF	
A = 50 SF	38 PSF	63 PSF	
A ≤ 20 SF	40 PSF	73 PSF	
BASE SHEAR, STRENGTH LEVEL	V = 125 KIPS, E-W V = 240 KIPS, N-S		

   C & C NOTES:
   a. THE PRESSURES LISTED ARE IN ACCORDANCE IBC AND ASCE 7, AND THE DESIGN FORCES USED BY THE SUBCONTRACTOR FOR A SPECIFIC APPLICATION ARE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
   b. WIND PRESSURES ARE ULTIMATE DESIGN LEVEL.
   c. SEE ASCE 7 FOR ZONE DEFINITIONS AND EXTENT OF ZONES.
   d. SUBMIT DESIGN CALCULATIONS PREPARED BY A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, FOR ANY DESIRED MODIFICATION TO THE STATED PRESSURES.
8. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MOMENT FRAMES IN EACH ORTHOGONAL DIRECTION. SEE PLANS FOR LOCATIONS. THE FLOOR SLABS SERVE AS HORIZONTAL DIAPHRAGMS DISTRIBUTING THE LATERAL FORCES TO THE VERTICAL LATERAL ELEMENTS WHICH IN TURN CARRY THE LOAD TO THE BUILDING FOUNDATIONS.

GENERAL

1. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONNEL AND PROPERTY ON AND AROUND THE JOBSITE. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
3. STRUCTURAL SUBSTITUTIONS MAY BE ALLOWED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. SUPPLIER SHALL PROVIDE SEALED DESIGN CALCULATIONS OR SUITABLE PRODUCT LITERATURE FOR THE COMPONENTS.
4. ALL DIMENSIONS AND SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOBSITE PRIOR TO CONSTRUCTION, START OF SHOP DRAWINGS, START OF CONSTRUCTION, AND/OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, OR CONDITIONS DEVELOP THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
5. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF NEW WORK.
6. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. CONTRACTOR SHALL SO CONSTRUCT THE WORK SO IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL AND ELECTRICAL DESIGN.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
8. DO NOT SCALE DRAWINGS. PRINTED DIMENSIONS HAVE PRECEDENCE OVER SCALED DRAWINGS AND LARGE-SCALE OVER SMALL-SCALE DRAWINGS. CONTRACTOR TO DETERMINE FINAL DIMENSION WITH ARCHITECT.
9. TYPICAL DETAILS SHALL APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
10. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OR APPROVAL OF THE ABOVE ITEMS AND DO NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES FOR THE ABOVE.
11. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS, CONDITIONS, PITS, TRENCHES, PADS, DEPRESSIONS, ROOF/FLOOR OPENINGS, STAIRS, SLEEVES, ITEMS TO BE EMBEDDED OR ATTACHED TO STRUCTURAL ELEMENTS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
12. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPE, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING.
13. NO HOLES, NOTCHES, BLOCK-OUTS, ETC. ARE ALLOWED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.
14. PENETRATIONS SHALL BE CAST-IN-PLACE AND SHALL NOT BE PERMITTED EXCEPT AS SHOWN IN THE STRUCTURAL DRAWINGS.
15. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, [ENGR NOTE: EACH BIDDER SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH CONDITIONS IN FIELD, TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPE OF EQUIPMENT, ETC. THE PROPOSAL SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK WITHIN THE EXISTING CONDITIONS.

SUBMITTALS

1. SUBMITTALS ARE:
   a. CONCRETE MIX DESIGNS
   b. MATERIAL PRODUCT DATA FOR STRUCTURAL MATERIALS
   c. CONCRETE AND MASONRY REINFORCING
   d. STEEL FABRICATION AND MISCELLANEOUS METALS
   e. JOISTS AND JOIST GIRDERS
   f. STEEL DECK
2. SUBMITTALS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR AND REVIEW BY THE ARCHITECT SHALL NOT BEGIN UNTIL THIS IS COMPLETE. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE ARCHITECT/STRUCTURAL ENGINEER.
3. SUBMITTALS SHALL BE REVIEWED BY THE ARCHITECT/STRUCTURAL ENGINEER FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. NOTATIONS MADE BY THE ARCHITECT/STRUCTURAL ENGINEER ON THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS.
4. FOR ADDITIONAL INFORMATION ON REQUIRED SUBMITTALS, SEE INDIVIDUAL MATERIAL SECTIONS.

DELEGATED DESIGN

1. DELEGATED DESIGNS PER SECTION 107.3.4.1 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONALS AND REVIEWED PRIOR TO INSTALLATION.
2. DELEGATED DESIGNS ARE:
   a. EXCAVATION, SHORING, AND UNDERPINNING
   b. STRUCTURAL STEEL CONNECTIONS
   c. EXTERIOR WALL SYSTEMS
   d. CURTAIN WALL AND STOREFRONT SYSTEMS
   e. COLD FORMED STEEL FRAMING
   f. ROOFTOP EQUIPMENT ANCHORAGE AND CURBS
   g. STAIRS, ACCESS LADDERS, HANDRAILS, GUARDRAILS, AND GRATING
   h. BUILDING MAINTENANCE DAVIT PEDESTALS, TIE-BACKS, AND FALL ARREST SYSTEMS
   i. SEISMIC AND/OR GRAVITY SUPPORT AND ANCHORAGE FOR MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT AND SYSTEMS
3. ALL DELEGATED DESIGNS SHALL BEAR THE STAMP AND SIGNATURE OF THE QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, RESPONSIBLE FOR THE PREPARATION OF THESE DOCUMENTS.

EXISTING CONDITIONS / DEMOLITION

1. EXISTING CONDITIONS:
   a. EXISTING STRUCTURAL INFORMATION SHOWN WAS OBTAINED FROM EXISTING DRAWINGS:
      i. DATED AUGUST 10, 1954 BY ALTENHOF AND BOWN - MITCHELL & RITCHEY, INGHAM, BOYD, & PRATT - YORK AND SAWYER.
      ii. DATED DECEMBER 20, 2012 BY H.F. LENZ COMPANY.
      iii. DATED MAY 9, 2011 BY ATLANTIC ENGINEERING SERVICES.
   b. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE. CONTRACTOR TO VERIFY EXISTING INFORMATION, DIMENSIONS AND SIZES AS REQUIRED TO COMPLETE THEIR WORK. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE ARCHITECT OR STRUCTURAL ENGINEER SO PROPER CLARIFICATION MAY BE MADE. MODIFICATION OF CONSTRUCTION DETAILS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.
2. EXISTING BUILDING MATERIAL PROPERTIES:
   a. STEEL YIELD STRENGTH = 30 KSI FOR ORIGINAL HOSPITAL BUILDING
   b. STEEL YIELD STRENGTH = 50 KSI FOR 2011 AND 2012 ADDITIONS
3. ALL DEMOLITION SHALL BE CARRIED OUT IN SUCH A WAY SO AS TO NOT DAMAGE EXISTING ELEMENTS WHICH ARE TO REMAIN.
4. ALL ELEMENTS WHICH ARE TO REMAIN AND WHICH ARE DAMAGED DURING DEMOLITION WORK SHALL BE REPLACED AT NO ADDED COST. EXISTING ELEMENTS ARE TO BE PROTECTED TO THE FULLEST EXTENT POSSIBLE TO REDUCE SUCH DAMAGE TO A MINIMUM.

EARTHWORK

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT DATED 12/20/2023 BY LANGAN. REPORT IS ON FILE WITH THE ARCHITECT.
2. SOIL PROPERTIES PER THE GEOTECHNICAL REPORT:

ALLOWABLE NET SOIL BEARING PRESSURE:	
FOOTINGS	22,000 PSF
FROST DEPTH	3 FT
EQUIVALENT FLUID PRESSURE	
ACTIVE PRESSURE	42 PCF, DRAINED
AT REST PRESSURE	63 PCF, DRAINED
PASSIVE PRESSURE	375 PCF
COEFFICIENT OF FRICTION	0.5

3. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING/BASEMENT WALLS BEFORE CONCRETE HAS ATTAINED SPECIFIED COMPRESSIVE STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED 7-DAY STRENGTH MINIMUM. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB TOP AND BOTTOM IS IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OR SHORING AND/OR SHEETING.
4. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE. FREE GROUND WATER WAS NOT ENCOUNTERED IN THE BORINGS. DETAILS OF GROUND WATER INFORMATION CAN BE OBTAINED FROM THE ABOVE-MENTIONED GEOTECHNICAL REPORT. IF GROUND WATER SHOULD OCCUR DURING EXCAVATION, SPECIAL PROCEDURES SHALL BE IMPLEMENTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
5. WHERE THERE IS NOT SUFFICIENT SPACE FOR SLOPED EMBANKMENTS, SHORING WILL BE REQUIRED. SEE THE GEOTECHNICAL REPORT FOR INFORMATION REGARDING THE DESIGN AND INSTALLATION OF THE SHORING. SHORING THAT IS NOT PART OF THE PERMANENT BUILDING SUPPORT IS THE CONTRACTOR'S RESPONSIBILITY AND OUTSIDE THIS PERMIT.
6. CARE SHALL BE EXERCISED WHEN EXCAVATING OR GRADING ADJACENT TO EXISTING STRUCTURES OR IMPROVEMENTS TO NOT DAMAGE OR UNDERMINE FOUNDATIONS, WALLS, SLABS, UTILITIES, ETC.
7. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILL MATERIAL OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS AND FOUNDATIONS. IF ANY SUCH MATERIAL OR STRUCTURES ARE FOUND, ARCHITECT/ENGINEER SHALL BE NOTIFIED IMMEDIATELY. ALL ABANDONED FOUNDATIONS, UTILITIES AND OTHER STRUCTURES THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
8. ALL FOOTINGS AND SLABS ON GRADE SHALL BE PLACED ONTO FIRM UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL, REMOVING ANY EXISTING FILL, ORGANIC MATERIAL, OR UNSUITABLE SOILS, AS RECOMMENDED BY THE GEOTECHNICAL REPORT. EXPOSED NATURAL SOIL SHALL BE PROOF ROLLED BELOW SLABS ON GRADE.
9. THE PREPARATION OF THE SUBGRADE FOR THE SLAB ON GRADE SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT REFERENCED ABOVE. THE CONTRACTOR SHALL DIRECT QUESTIONS REGARDING THE SUBGRADE PREPARATION REQUIREMENTS TO THE GEOTECHNICAL ENGINEER.
10. FOUNDATION ELEVATIONS SHOWN DESIGNATE A MINIMUM DEPTH WHERE AN ADEQUATE SOIL BEARING PRESSURE IS EXPECTED. FOOTINGS, PIERS AND/OR WALLS SHALL BE LOWERED OR EXTENDED AS REQUIRED TO REACH SOIL MEETING THE DESIGN BEARING PRESSURE.
11. ALL REQUIRED BACKFILL AND UTILITY TRENCH BACKFILL WITHIN THE BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN 12" LAYERS TO 95% MAXIMUM DRY DENSITY PER ASTM D1557 AND TO THE APPROVAL OF THE INSPECTION AGENCY.
12. THE MOISTURE CONTENT OF ONSITE CLAYEY SOILS AT THE TIME OF COMPACTION SHALL BE BETWEEN 2-3% ABOVE OPTIMUM MOISTURE CONTENT.
13. ANY REQUIRED IMPORT FILL SOIL SHALL HAVE A LOW POTENTIAL FOR EXPANSION AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO IMPORTING.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE AMERICAN CONCRETE INSTITUTE "ACI DETAILING MANUAL" (SP-066) EXCEPT AS OTHERWISE SHOWN, NOTED OR SPECIFIED.
2. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS:

DEFORMED BARS	ASTM A615, GR 60	Fy = 60 KSI
WELDED WIRE REINFORCING	ASTM A1064	Fy = 65 KSI
DEFORMED EPOXY-COATED BARS	ASTM A775	Fy = 60 KSI
STEEL WIRE	ASTM A1064	Fy = 60 KSI
DEFORMED BAR ANCHORS	ASTM A1064	Fy = 70 KSI
WELDABLE BARS, DEFORMED	ASTM A706, GR 60	Fy = 60 KSI
.	.	.
.	.	.

3. MINIMUM CONCRETE COVER SHALL BE PROVIDED AS FOLLOWS TO THE OUTERMOST REINFORCING BARS:

CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3"
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
#6 BARS OR LARGER	2"
#5 BARS OR SMALLER	1 1/2"
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	
SLABS, JOISTS AND WALLS WITH #11 BARS OR SMALLER	3/4"
BEAMS, COLUMNS, PEDESTALS AND TENSION TIES	1 1/2"
BOUNDARY ELEMENTS	1 1/2"

4. ALL REINFORCING IN CONCRETE USED FOR THE CONTAINMENT OF WATER SHALL BE HOT-DIP GALVANIZED OR EPOXY-COATED.
5. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH AWS D1.4.
6. DEFORMED BAR ANCHORS (DBA) SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE WELDING EQUIPMENT IN THE SHOP OR IN THE FIELD. WELDING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER.
7. SUPPORTS FOR REINFORCEMENT SHALL HAVE CLASS 2 PROTECTION AS DEFINED IN THE CRSI MANUAL OF STANDARD PRACTICE, UNLESS OTHERWISE NOTED.
8. SUPPORTS FOR COATED REINFORCEMENT SHALL HAVE CLASS 1 PROTECTION AS DEFINED IN THE CRSI MANUAL OF STANDARD PRACTICE, UNLESS OTHERWISE NOTED.
9. ALL WELDED WIRE REINFORCING (WWR) SHALL BE LAPPED 2 PANELS AT EDGES AND ENDS.
10. CONTINUOUS HORIZONTAL REINFORCING SHALL BE LAPPED AT MIDSPAN FOR TOP BARS AND DIRECTLY OVER SUPPORTS FOR BOTTOM BARS. AT DISCONTINUOUS ENDS, THE TOP STEEL SHALL BE BENT DOWN 12 BAR DIAMETERS OR 12" MINIMUM, WHICHEVER IS GREATER.
11. FOR MAT FOUNDATIONS, REINFORCING FOR TOP BARS SHALL BE LAPPED UNDER STRUCTURAL COLUMNS AND WALLS ABOVE AND AT MIDSPAN FOR BOTTOM BARS. AT DISCONTINUOUS ENDS, THE TOP STEEL SHALL BE BENT DOWN 12 BAR DIAMETERS OR 12" MINIMUM, WHICHEVER IS GREATER.
12. WHERE REINFORCEMENT LENGTH IS SPECIFIED, NO SPLICES ARE PERMITTED WITHIN THE SPECIFIED LENGTH WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
13. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY, UNLESS OTHERWISE NOTED. PROVIDE FOUNDATION DOWELS TO MATCH SIZE AND SPACING OF WALL OR COLUMN REINFORCEMENT. EXTEND DOWELS A LAP SPLICE LENGTH INTO WALL OR COLUMN AND TERMINATE WITH STANDARD HOOK AT BOTTOM OF FOOTING, UNLESS OTHERWISE NOTED.
14. REINFORCING IN WALL FOOTINGS AND GRADE BEAMS BETWEEN COLUMNS SHALL BE DEVELOPED (Ld) INTO COLUMN FOOTINGS.
15. CUTTING OF REINFORCING WHICH CONFLICTS WITH EMBEDDED OBJECTS OR SLEEVES IS NOT ACCEPTABLE.
16. REINFORCING BARS SHALL BE BENT COLD, AND NO METHOD OF FABRICATION SHALL BE USED WHICH WOULD BE INJURIOUS TO THE MATERIAL. HEATING OF BARS FOR BENDING IS NOT PERMITTED.
17. FIELD WELDING OR BENDING OF REINFORCING IS NOT PERMITTED EXCEPT AS INDICATED ON THE DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER.
18. USE TEMPLATES TO SET ALL EMBEDDED ANCHOR BOLTS, LEVELING PLATES, AND DOWEL BARS AS REQUIRED OR INDICATED ON THE DRAWINGS.
19. SUBMIT SHOP DRAWINGS FOR FABRICATION AND PLACEMENT OF REINFORCING STEEL. INCLUDE SCHEDULES AND DIAGRAMS OF BENT BARS AND SHOW ARRANGEMENT OF REINFORCEMENT, INCLUDING CONCRETE COVER. STRUCTURAL ENGINEER'S REVIEW WILL BE FOR COMPLIANCE WITH DESIGN REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND QUANTITIES.
20. REINFORCE ALL ARCHITECTURAL CONCRETE TOPPING SLABS WITH 6x6-W1.4xW1.4 WWR UNLESS OTHERWISE NOTED.

CAST-IN-PLACE CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE CORRESPONDING EDITION OF THE AMERICAN CONCRETE INSTITUTE PUBLICATIONS: ACI 117, ACI 301, ACI 305.1, ACI 306.1, ACI 308.1, ACI 318 AND SP-066, UNLESS OTHERWISE NOTED.
2. CONCRETE MATERIALS SHALL CONFORM TO:

CEMENT	ASTM C150, TYPE I
FLY ASH	ASTM C618, TYPE C OR F
FINE AND COARSE AGGREGATE	ASTM C33
LIGHTWEIGHT AGGREGATE	ASTM C330
WATER	POTABLE
AIR-ENTRAINING ADMIXTURE	ASTM C260
WATER REDUCING ADMIXTURE	ASTM C494

3. CONCRETE STRENGTHS SHALL CONFORM TO:

INTENDED USE	STRENGTH (PSI)	EXPOSURE CLASS
BEAMS, ELEVATED SLABS AND JOISTS	4000	N/A
FOOTINGS	4500	N/A
FOUNDATIONS	4500	N/A
SLAB ON GRADE	4000	N/A
UNLESS OTHERWISE NOTED	4000	N/A

   NORMAL-WEIGHT 28-DAY STRENGTH UNLESS OTHERWISE NOTED.
4. LIGHTWEIGHT CONCRETE SHALL HAVE A DRY DENSITY OF 107-116 PCF.
5. DRYPACK OR GROUT SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 7000 PSI.
6. SLAB-ON-GRADE CONSTRUCTION: LOCATE SAW-CUT CONTROL JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED PER THE TABLE BELOW, UNLESS OTHERWISE NOTED. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5:1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. SEE PLAN FOR SPECIAL CASES.

THICKNESS (IN)	MAXIMUM JOINT SPACING EACH WAY (FT)
4	12
5	13
6	15
8	18
10	20
12	22

7. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ENSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, AND EDGES OF WALLS/FOUNDATIONS PRIOR TO PLACING CONCRETE.
8. UNLESS OTHERWISE NOTED, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS.
9. CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED TO 1/4" AMPLITUDE BY SAND BLASTING OR MECHANICAL MEANS. CLEAN BEFORE POUR. LOCATION TO BE APPROVED BY THE STRUCTURAL ENGINEER. SUBMIT LOCATION PLAN OF ALL PROPOSED JOINTS NOT INDICATED ON DRAWINGS FOR APPROVAL PRIOR TO BEGINNING WORK.
10. PRIOR TO PLACING CONCRETE, THE CONTRACTOR SHALL ENSURE ALL REINFORCING AND EMBEDMENTS, INCLUDING COLUMN ANCHOR BOLTS, ARE PROPERLY LOCATED AND SECURELY TIED IN PLACE.
11. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL PENETRATIONS THROUGH CONCRETE BEFORE PLACING. SECURE SLEEVES TO PREVENT MOVEMENT DURING PLACING OPERATIONS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS.
12. CONFIRM WITH ARCHITECT THAT MATERIALS TO BE EMBEDDED ARE SUITABLE FOR EMBEDMENT IN CONCRETE.
13. CONDUIT, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO REQUIREMENTS OF ACI 318, SECTIONS 20.7 AND 26.8.
14. DO NOT PLACE VERTICAL CONDUIT IN CONCRETE COLUMNS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER.
15. NO ALUMINUM SHALL BE ALLOWED IN THE CONCRETE WORK UNLESS COATED TO PREVENT ALUMINUM-CONCRETE REACTION.
16. WATERSTOPS SHALL BE A [ENGR NOTE: SELECT ONLY ONE OF THE FOLLOWING TWO TYPES, BENTONITE OR PVC.] FLEXIBLE BENTONITE PVC PRODUCT. ACCEPTABLE PRODUCTS INCLUDE: [ENGR NOTE: KEEP FOLLOWING IF USING BENTONITE] CETCO WATERSTOP-RX AND GREENSTREAK SWELLSTOP WESTIC BARRIER TECHNOLOGIES TPE-R WATERSTOP AND GREENSTREAK PVC WATERSTOP.
17. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4 INCH CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
18. SLOPE SLABS TO DRAINS OR FOR POSITIVE DRAINAGE IF NO DRAINS ARE PRESENT AND PROVIDE DEPRESSIONS WHERE SHOWN ON THE STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS WITHOUT REDUCING THE THICKNESS OF SLAB INDICATED. FOR SLAB-ON-GRADE DEPRESSIONS GREATER THAN 1 INCH, SEE DETAILS FOR ADDITIONAL REINFORCING.
19. INTERNALLY VIBRATE ALL CAST-IN-PLACE CONCRETE EXCEPT SLABS-ON-GRADE WHICH NEED ONLY BE VIBRATED AROUND UNDER FLOOR DUCTS AND OTHER EMBEDDED ITEMS. VIBRATE TOPS OF COLUMNS.
20. PROVIDE VERTICAL CONTROL JOINTS IN EXPOSED CONCRETE WALLS AT A MINIMUM UNIFORM SPACING NOT TO EXCEED 25 FEET PER ACI 224.3. COORDINATE JOINT LOCATIONS WITH ARCHITECTURAL DRAWINGS.
21. CONCRETE SHALL NOT BE PERMITTED TO DROP MORE THAN 5 FEET.
22. IF CONCRETE IS PLACED BY PUMPING, SUPPORT SHALL BE PROVIDED FOR THE HOSE. THE HOSE SHALL NOT BE ALLOWED TO RIDE ON THE REINFORCING AND OTHER EMBEDDED ITEMS.
23. CONCRETE SLABS SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 7 DAYS. FORMS FOR CONCRETE WALLS SHALL BE LEFT IN PLACE FOR 7 DAYS OR MAY BE STRIPPED AFTER 3 DAYS AND COATED WITH AN APPROVED CURING COMPOUND.
24. NO LOADS SHALL BE PLACED ON STRUCTURAL CONCRETE SLABS WITHIN 7 DAYS AFTER CONCRETE IS PLACED. AFTER CONCRETE IS PLACED, IN NO CASE SHALL THE SUPERIMPOSED CONSTRUCTION LOADS BE GREATER THAN SPECIFIED DESIGN LIVE LOADS, UNLESS THE WORK IS SHORED.
25. NOTIFY THE ARCHITECT/STRUCTURAL ENGINEER 48 HOURS MINIMUM PRIOR TO ALL POURS.
26. CONTRACTOR SHALL SURVEY ALL CONCRETE WORK WITHIN 48 HOURS OF PLACING CONCRETE TO ENSURE PLACEMENT IS IN ACCORDANCE WITH PROJECT REQUIREMENTS.
27. THE DESIGN AND ENGINEERING OF FORMWORK, SHORING AND RESHORING, AS WELL AS THEIR CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FORMS SHALL BE DESIGNED TO HAVE SUFFICIENT STRENGTH TO SAFELY WITHSTAND THE LOADS RESULTING FROM PLACEMENT AND VIBRATION OF THE CONCRETE AND SHALL ALSO BE DESIGNED FOR SUFFICIENT RIGIDITY TO MAINTAIN SPECIFIED TOLERANCES. CONTRACTOR SHALL SUBMIT DETAILED FORMWORK SHOP DRAWINGS TO THE ARCHITECT TO BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT ONLY.
28. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS IS MINIMUM THICKNESS. NO ALLOWANCES HAVE BEEN SHOWN FOR ADDITIONAL CONCRETE FILL REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND TO MAINTAIN SURFACE TOLERANCES SPECIFIED.
29. PROVIDE LIGHTWEIGHT SELF-LEVELING MATERIAL AT ELEVATED CONCRETE SLABS AND SLABS ON STEEL DECK AS REQUIRED TO MEET FLOOR FLATNESS AND LEVELNESS REQUIREMENTS. SUBMIT PROPOSED LOCATIONS AND LEVELING MATERIAL DATA FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT.
30. CORING OF CONCRETE IS NOT PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
31. NO CONCRETE SHALL BE PLACED ONTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, ICE OR SNOW.
32. DURING WINTER CONSTRUCTION, ALL FOOTINGS SHALL BE PROTECTED FROM FROST PENETRATION UNTIL THE BUILDING IS ENCLOSED AND TEMPORARY HEAT IS PROVIDED.
33. GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR SIZE, LOCATION AND HEIGHT OF MECHANICAL EQUIPMENT PADS ON CONCRETE SLAB ON STEEL DECK AND SLAB-ON-GRADE.
34. THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY THE TESTING AGENCY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. SUBMIT TEST DATA ON EACH PROPOSED MIX FOR REVIEW IN ACCORDANCE WITH THE APPLICABLE CODE. MIX DESIGNS SUBMITTED WITHOUT THE REQUIRED TEST DATA WILL BE RETURNED WITHOUT REVIEW.
35. PROVIDE SLAB COORDINATION DRAWING SUBMITTAL INDICATING COORDINATED LOCATIONS OF: MEP PENETRATIONS, SLEEVES, OPENINGS, IN-SLAB CONDUIT/DUCT (IF ALLOWED), EMBEDS, CAST-IN ANCHORS, AND OTHER ITEMS EMBEDDED OR PENETRATING STRUCTURAL ELEVATED SLABS.

STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

WIDE FLANGE SHAPES	ASTM A992	Fy = 50 KSI
OTHER ROLLED SHAPES	ASTM A36	Fy = 36 KSI
PIPE SECTIONS	ASTM A53, GR B	Fy = 35 KSI
HSS SECTIONS, ROUND	ASTM A500, GR C	Fy = 46 KSI
HSS SECTION, SQ/RECT	ASTM A500, GR C	Fy = 50 KSI
BASE AND CONNECTION PLATES	ASTM A36	Fy = 36 KSI
ANCHOR RODS	ASTM F1554, GR 55	Fy = 55 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A325	Fv = 120 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A490	Fv = 150 KSI
HIGH STRENGTH TWIST-OFF BOLTS	ASTM F3125, GR F1852	Fv = 120 KSI
HIGH STRENGTH TWIST-OFF BOLTS	ASTM F3125, GR F2280	Fv = 150 KSI
HEAVY HEX NUTS	ASTM A563	
WASHERS	ASTM F436	
HEADED STUD ANCHORS	ASTM A108, TYPE B	
ELECTRODES FOR ARC WELDING	AWS 5.1, E70XX	

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". SEE DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTIONS SHALL BE GRADE A325N BEARING TYPE BOLTS, UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE INSTALLED TO A MINIMUM "SNUG TIGHT" CONDITION, UNLESS OTHERWISE NOTED.
5. FULLY TENSIONED HIGH STRENGTH BOLTS AND SLIP CRITICAL HIGH STRENGTH BOLTS SHALL USE TENSION-CONTROL "TWIST-OFF" BOLTS OR BE INSTALLED USING THE TURN OF THE NUT METHOD.
6. EXCEPT WHERE DETAILED OTHERWISE, FABRICATOR SHALL SELECT [ENGR NOTE: MAKE SELECTION]LRFD BOLTED (OR WELDED EQUIVALENT) SIMPLE SHEAR CONNECTIONS PER AISC 360 PART 10 TO SUPPORT LOADS INDICATED ON THE STRUCTURAL DRAWINGS. WHEN LOADS ARE NOT SHOWN, CONNECTION SHALL SUPPORT 60% OF THE TOTAL UNIFORM LOAD CAPACITY FOR EACH GIVEN BEAM SIZE AND SPAN AS LISTED IN AISC 360 TABLE 3-6. FOR COMPOSITE MEMBERS, CONNECTION SHALL SUPPORT 80% OF THE TOTAL UNIFORM LOAD CAPACITY FOR EACH BEAM SIZE AND SPAN.
7. BEAM REACTIONS GIVEN ON THE CONTRACT DOCUMENTS SHALL SUPERSEDE THE PREVIOUS NOTE. IN NO CASE SHALL THE CONNECTIONS BE DESIGNED FOR AN UNFACTORED END REACTION LESS THAN 12 KIPS.
8. WELD LENGTHS INDICATED ON THE DRAWINGS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE WELD LENGTH IS NOT SPECIFIED, PROVIDE WELD ALONG ENTIRE INTERSECTION OF THE JOINED PARTS. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM WELD SIZE AS SPECIFIED IN AISC 360, TABLE J2.4.
9. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS WITH EXPERIENCE AND CERTIFICATION IN THE TYPES OF WELDING CALLED FOR. WELDERS SHALL HAVE BEEN RECENTLY QUALIFIED AS PRESCRIBED IN "QUALIFICATION PROCEDURES" OF THE AMERICAN WELDING SOCIETY (AWS).
10. HEADED STUD ANCHORS (HSA): SHALL BE INSTALLED IN ACCORDANCE WITH AWS D1.1 AND SHALL BE AUTOMATICALLY END WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE END OF THE HSA AND THE STEEL SHAPE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE HSA AND THE STEEL SHAPE. THE HSA SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8"ø AND SMALLER AND 3/16" FOR LARGER THAN 5/8"ø.
11. BEAMS SHALL BE CAMBERED UPWARD WHERE SHOWN ON THE DRAWINGS. WHERE NO UPWARD CAMBER IS INDICATED, ANY MILL CAMBER SHALL BE DETAILED UPWARD IN THE BEAMS.
12. SPLICING OF STEEL MEMBERS WHERE NOT DETAILED ON THE DRAWINGS IS PROHIBITED WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
13. ALL STEEL EXPOSED TO WEATHER OR AS NOTED ON PLAN SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 G90. [ENGR NOTE: UTILIZE G60 FOR TYPICAL APPLICATIONS. USE G90 FOR COASTAL AND/OR DE-ICING SALT EXPOSURE.] ABRADED AREAS TO BE TOUCHED UP WITH COLD GALVANIZING COMPOUND IN ACCORDANCE WITH ASTM A780.
14. ALL GALVANIZED HOLLOW SECTIONS SHALL HAVE WELDED CAP PLATES TO SEAL EXPOSED ENDS.
15. CUTS, HOLES, OPENINGS, ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
16. FURNISH AND INSTALL MISCELLANEOUS STEEL (CURBS, HANGERS, EXPANSION JOINT ANGLES, STRUTS, ETC.) AS CALLED FOR OR AS NECESSARY PER ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS.
17. GROUT FOR BASE AND BEARING PLATES SHALL BE A NON-SHRINK, NON-METALLIC PRODUCT. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 8000 PSI. INSTALL GROUT PRIOR TO APPLYING SIGNIFICANT LOADING TO MEMBER.
18. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR ARCHITECT/STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.

STEEL DECK

1. MATERIAL, DETAILING, DESIGN, MANUFACTURE, AND ERECTION OF STEEL DECKS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE (SDI) SPECIFICATION.
2. DECK SIZE AND GAUGE INDICATED ON THE DRAWINGS ARE BASED ON THE FOLLOWING:
   A. CURRENT VERSION OF VULCRAFT CATALOG FOR GRAVITY DESIGN LOADS AND UNSHORED CONSTRUCTION SPANS
   B. STEEL DECK INSTITUTE (SDI) DIAPHRAGM DESIGN MANUAL 4TH EDITION FOR DIAPHRAGM LOADS
3. STEEL DECK GALVANIZING SHALL CONFORM TO ASTM A653 WITH A MINIMUM COATING OF G60. [ENGR NOTE: KNOW YOUR LOCAL MARKET AND PROJECT TYPE. CHOOSE THE APPROPRIATE ASTM AND COATING THICKNESS.
4. PAINTED STEEL ROOF DECK SHALL CONFORM TO ASTM A1008, GRADE C.
5. ALL FLOOR AND ROOF DECK SHALL BE VENTED.
6. PROVIDE MINIMUM DECK BEARING AND LAP LENGTHS PER MANUFACTURER'S RECOMMENDATIONS.
7. USE SUMP PANS AT ALL ROOF DRAINS. MINIMUM THICKNESS FOR SUMP PANS SHALL BE 14 GAUGE.
8. DECK MANUFACTURER SHALL FURNISH ALL RIDGE AND VALLEY PLATES, SUMP PANS, DRAIN PLATES, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. DECK MANUFACTURER SHALL PROVIDE ALL CLOSURE PLATES AND POUR STOPS NOT PROVIDED BY THE STEEL FABRICATOR.
9. CUTTING AND FRAMING OF OPENINGS FOR OTHER TRADES SHALL BE THE RESPONSIBILITY OF THE TRADES INVOLVED. HOLES THAT ARE LOCATED AND DIMENSIONED ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE DECK ERECTOR.
10. CONDUITS SHOULD NOT BE PLACED IN CONCRETE SLAB ON STEEL DECK WITHOUT COORDINATION WITH THE STRUCTURAL ENGINEER, UNLESS OTHERWISE NOTED.
11. COORDINATE ALL PENETRATIONS, EMBEDS, AND RECESSES IN COMPOSITE FLOOR SYSTEMS WITH THE STRUCTURAL ENGINEER, UNLESS OTHERWISE NOTED.
12. DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO STEEL ROOF DECK. THIS 25 LBS LOAD AND 2'-0" SPACING INCLUDES ADJACENT MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS HANGING FROM THE DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING SUPPORTED OFF STEEL FRAMING WILL NEED TO BE ADDED. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION AND WEIGHT OF ALL THE ELEMENTS BEING HUNG WITH STRUCTURAL ENGINEER, UNLESS OTHERWISE NOTED.
13. CAST-IN-PLACE CONCRETE SLABS ON METAL DECK SHALL BE CONSTRUCTED FLAT AND WITHIN TOLERANCE TO THE ELEVATIONS INDICATED ON THE DRAWINGS. PROVIDE AND PLACE ADDITIONAL CONCRETE AS REQUIRED TO COMPENSATE FOR DEFLECTION OF THE METAL DECK AND DEFLECTION OF THE STRUCTURAL STEEL FRAMING TO ACHIEVE THE REQUIRED FINISHED TOP OF SLAB ELEVATIONS. REFER TO THE CAST-IN-PLACE CONCRETE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
14. SUBMIT SHOP DRAWINGS SHOWING ERECTION PROCEDURES, WELDING PROCEDURES, VERTICAL LOAD AND DIAPHRAGM SHEAR CAPACITY FURNISHED, DECK SHORING REQUIREMENTS, UNDERWRITER'S LABORATORIES (UL) FIRE RATING NUMBER AND COMPOSITE BEAM AND GIRDER STUD PROFILES TO THE ARCHITECT/STRUCTURAL ENGINEER FOR REVIEW. FABRICATION SHALL NOT BEGIN WITHOUT APPROVED SHOP DRAWINGS.

Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GENERAL NOTES	FINAL BID DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	646-22-700
			Building Number: 1
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COLD-FORMED STEEL FRAMING (CFSF) SYSTEM

1. ALL COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL METALS, AISI S100.
2. THE STRUCTURAL DRAWINGS DO NOT REFLECT THE ENTIRE SCOPE OF WORK REQUIRED FOR COLD-FORMED STEEL FRAMING. COLD-FORMED STEEL FRAMING SHALL BE PROVIDED FOR AND COORDINATED WITH ARCHITECTURAL, MEP, AND OTHER DRAWINGS.
3. COLD-FORMED STEEL FRAMING INDICATED OR REFERENCED IN THE CONTRACT DOCUMENTS ARE FOR PURPOSES OF CONVEYING DESIGN INTENT ONLY. THE COMPLETE DESIGN OF COLD-FORMED STEEL FRAMING SYSTEMS THAT SUPPORT GRAVITY OR LATERAL LOADS SHALL BE THE RESPONSIBILITY OF THE COLD-FORMED STEEL SUBCONTRACTOR AND THEIR STRUCTURAL ENGINEER. THE DESIGN OF COLD-FORMED STEEL FRAMING SYSTEMS SHALL CONFORM TO THE GOVERNING BUILDING CODE AND REGULATIONS, AS WELL AS ANY SPECIAL CONDITIONS AND REQUIREMENTS AS INDICATED IN THE CONTRACT DOCUMENTS.
4. STRUCTURAL COLD-FORMED STEEL FRAMING IS DEFINED AS THE FOLLOWING:
   a. ANY COLD-FORMED FRAMING THICKER THAN 20 GA (33 MIL)
   b. ANY EXTERIOR COLD-FORMED FRAMING
   c. ANY LOAD BEARING MEMBER
   d. ANY MEMBER CALLED OUT AND SPECIFIED IN THE STRUCTURAL DRAWINGS
   e. ALL OTHER COLD-FORMED STEEL FRAMING IS NON-STRUCTURAL AND NOT A PART OF THE STRUCTURAL PACKAGE.
5. COLD-FORMED STRUCTURAL FRAMING SHALL CONFORM TO THE FOLLOWING STANDARDS:

   ROLLED SECTIONS, CONNECTION MATERIAL, AND STIFFENER PLATES:

18 GA (43 MIL) AND THINNER	ASTM A653, GR 33	Fy = 33 KSI
16 GA (54 MIL) AND THICKER	ASTM A653, GR 50	Fy = 50 KSI
CONNECTION MATERIAL > 3/16"	ASTM A36	Fy = 36 KSI
HOT-DIP COATING	ASTM A924, G60	
ELECTRO-PLATE COATING	ASTM A591	
ALUMINUM-ZINC COATING	ASTM A792, GR 40	
ELECTRODES FOR ARC WELDING	AWS 5.1 E60XX	

6. COLD-FORMED STEEL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR A FULL ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE SECURED IN PLACE UNTIL PROPERLY ATTACHED.
7. CUTOUTS, HOLES OR NOTCHES ARE NOT PERMITTED IN COLD-FORMED STEEL ROOF AND FLOOR JOISTS, HEADERS, OR BEAMS WITHOUT PRIOR WRITTEN APPROVAL OF EITHER THE STRUCTURAL ENGINEER OR THE COLD-FORMED STEEL ENGINEER.
8. CUTTING OF COLD-FORMED STEEL MEMBERS SHALL BE ACCOMPLISHED WITH A SAW OR SHEARS. TORCH CUTTING OF SUCH MEMBERS IS NOT PERMITTED. THE CUTTING OF ANY LOAD BEARING MEMBER IS PROHIBITED.
9. HOLES THAT ARE FIELD CUT THROUGH COLD-FORMED STEEL STUD FRAMING SHALL BE MADE WITHIN THE LIMITATIONS OF THE PRODUCT AND THE PRODUCT DESIGN. HOLES SHALL BE REINFORCED AS RECOMMENDED BY THE MANUFACTURER.
10. ALL WELDS SHALL COMPLY WITH THE REQUIREMENTS OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AISI S100, AND THE STRUCTURAL WELDING CODE – SHEET STEEL, AWS D1.3.
11. ALL STEEL STUD AND JOIST FASTENERS SHALL BE TEK SCREWS, MANUFACTURED BY ITW BUILDEX OR APPROVED EQUIVALENT.
12. CONSTRUCTION SHALL NOT BEGIN UNTIL SHOP DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED BY THE ARCHITECT/STRUCTURAL ENGINEER. SUBMIT COMPLETE TECHNICAL INFORMATION ON ALL COLD-FORMED STEEL FRAMING, INCLUDING SECTION PROPERTIES, ALLOWABLE DESIGN STRESSES, DESCRIPTION OF CONNECTIONS AND FINISHES. DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. DO NOT PROCEED WITH INSTALLATION UNTIL SUBMITTALS HAVE BEEN REVIEWED AND RETURNED.

POST-INSTALLED ANCHORS

1. ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS. ACCEPTABLE ALTERNATIVE ANCHORS MAY BE SUPPLIED PROVIDED THE QUANTITY AND CONFIGURATION MATCH THE CAPACITY OF THE DESIGN ANCHOR QUANTITY AND CONFIGURATION. ANY ALTERNATES ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. BELOW SUMMARIZES EACH ANCHOR TYPE USED ON THE PROJECT.
2. MECHANICAL ANCHORS:
   a. EXPANSION ANCHORS

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
GROUTED MASONRY	HILTI KB3 (ESR-1385)	DEWALT POWER STUD+ SD1 (ESR-2966) SIMPSON WEDGE-ALL (ESR-1396)
UNCRACKED CONCRETE	HILTI KB3 (ESR-2302)	DEWALT POWER STUD+ SD2 (ESR-2502) RED HEAD TRUBOLT+ (ESR-2427) SIMPSON STRONG BOLT 2 (ESR-3037)
CRACKED CONCRETE	HILTI KBTZ (ESR-1917)	DEWALT POWER STUD+ SD2 (ESR-2502) RED HEAD TRUBOLT+ (ESR-2427) SIMPSON STRONG BOLT 2 (ESR-3037)

   b. THREADED SCREW ANCHORS

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
GROUTED MASONRY	HILTI KWIK HUS-EZ (ESR-3056)	DEWALT WEDGE-BOLT+ (ESR-1678) SIMPSON TITEN HD (ESR-1056)
UNCRACKED CONCRETE	HILTI KWIK HUS-EZ (ESR-3027)	DEWALT POWER SCREW-BOLT+ (ESR-3889) SIMPSON TITEN HD (ESR-2713)
CRACKED CONCRETE	HILTI KWIK HUS-EZ (ESR-3027)	DEWALT POWER SCREW-BOLT+ (ESR-3889) SIMPSON TITEN HD (ESR-2713)

3. ADHESIVE ANCHORS: SHALL CONSIST OF DEFORMED REINFORCING BARS OR ASTM A193 GRADE B7 RODS, HEAVY DUTY NUTS AND WASHERS AND A TWO COMPONENT STRUCTURAL ADHESIVE. WHERE ANCHORING INTO HOLLOW MASONRY, A SCREEN TUBE SHALL BE PROVIDED.

ANCHORED INTO	BASIS OF DESIGN	ACCEPTABLE ALTERNATES
HOLLOW MASONRY	HILTI HIT-HY 270 (ESR-4143)	DEWALT AC 100+ GOLD (ESR-3200) SIMPSON SET-XP (ESR-0265)
GROUTED MASONRY	HILTI HIT-HY 270 (ESR-4143)	DEWALT AC 100+ GOLD (ESR-3200) RED HEAD A7 ACRYLIC (ESR-3951) SIMPSON SET-XP (ESR-0265)
CONCRETE	HILTI HIT-HY 200 (ESR-3187)	DEWALT AC 200+ (ESR-4027) SIMPSON SET-3G (ESR-4057)

4. CRACKED CONCRETE REPRESENTS ALL CONCRETE FOR PROJECTS LOCATED IN SEISMIC DESIGN CATEGORY C OR HIGHER, TENSILE ZONES SUCH AS BOTTOMS OF BEAMS AND SLABS, OR WHERE NOTED ON THE DRAWINGS.

MECHANICAL ANCHORS

1. EXPANSION ANCHOR SYSTEMS:
   a. CONCRETE: USE ONLY EXPANSION ANCHOR SYSTEMS THAT HAVE BEEN ISSUED AN ICC-EVALUATION SERVICES REPORT (ESR) IN ACCORDANCE WITH THE PROVISIONS OF ICC-ES AC193. ANCHOR SYSTEMS SHOULD BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORIES A-F PER SECTION 2.0 OF THE ICC ESR. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR AND AS REQUIRED BY THE MANUFACTURER. ALL EXPANSION ANCHORS SHALL BE HILTI KBTZ (ICC ESR-1917) OR EQUIVALENT, UNLESS SPECIFIED IN THE DETAILS. ANY SUBSTITUTION MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
   b. MASONRY: USE ONLY EXPANSION ANCHOR SYSTEMS THAT HAVE BEEN ISSUED AN ICC ESR IN ACCORDANCE WITH THE PROVISIONS OF ICC-ES AC01. ANCHOR SYSTEMS SHOULD BE APPROVED FOR SEISMIC USE DETAILED IN THE CONDITIONS OF USE LISTED IN THE ICC ESR. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR, AND AS REQUIRED BY THE MANUFACTURER.
2. UNDERCUT ANCHOR SYSTEMS:
   a. CONCRETE: USE ONLY UNDERCUT ANCHOR SYSTEMS THAT HAVE BEEN ISSUED AN ICC ESR IN ACCORDANCE WITH THE PROVISIONS OF ICC-ES AC193. ANCHOR SYSTEMS SHOULD BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORIES A-F PER SECTION 2.0 OF THE ICC ESR. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR AND AS REQUIRED BY THE MANUFACTURER.
3. WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC ESR CALL FOR THE APPLICATION OF AN INSTALLATION TORQUE, THE SPECIFIED TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH. THE SPECIFIED INSTALLATION TORQUE SHALL NOT BE EXCEEDED.
4. ANCHORS ARE TYPICALLY AVAILABLE IN ELECTRO-GALVANIZED CARBON STEEL, HOT-DIP GALVANIZED CARBON STEEL AND STAINLESS STEEL. USE OF ELECTRO-GALVANIZED CARBON STEEL ANCHORS IS TYPICALLY LIMITED TO DRY, INTERIOR LOCATIONS, UNLESS OTHERWISE NOTED. STAINLESS STEEL OR HOT-DIP GALVANIZED ANCHORS ARE GENERALLY SUITABLE FOR APPLICATIONS EXPOSED TO EXTERIOR WEATHER CONDITIONS. FINAL AUTHORITY ON THE TYPE OF ANCHOR COATING UTILIZED RESTS WITH THE STRUCTURAL ENGINEER AND MUST BE APPROVED AS SUCH.
5. EXPANSION ANCHORS FOR NON-VIBRATION ISOLATED MECHANICAL EQUIPMENT RATED OVER 10hp ARE NOT PERMITTED BY ASCE 7, SECTION 13.6.5.5. ANCHORS INSTALLED IN OVERHEAD CONDITIONS FOR NON-VIBRATION ISOLATED EQUIPMENT WITH RECIPROCATING OR ROTATING MECHANISMS SHALL BE UNDERCUT ANCHORS.
6. THE INSPECTION AGENCY SHALL BE ON THE JOBSITE CONTINUOUSLY DURING ANCHOR INSTALLATIONS, UNLESS OTHERWISE NOTED IN THE ICC ESR, TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACINGS, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.
7. THE TENSION TESTING OF THE EXPANSION ANCHORS SHALL BE DONE IN THE PRESENCE OF THE INSPECTION AGENCY AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY. IF ANY ANCHORS FAIL THE TENSION TESTING REQUIREMENTS, THE ADDITIONAL TESTING REQUIREMENTS SHALL BE ACCEPTABLE TO THE ENFORCEMENT AGENCY.
8. TEST QUANTITY OF ANCHORS AS NOTED BELOW:

APPLICATION	QUANTITY OF BOLTS
STRUCTURAL	100%
NON-STRUCTURAL	50%
SILL PLATE BOLTING	10%

9. ANCHORS TO BE TESTED SHALL BE SELECTED AT RANDOM BY THE INSPECTION AGENCY.
10. UNDERCUT ANCHORS THAT ALLOW VISUAL CONFIRMATION OF FULL SET NEED NOT BE TESTED, UNLESS OTHERWISE NOTED BY ENFORCEMENT AGENCY OR STRUCTURAL ENGINEER.
11. ALL ANCHORS SHALL BE TESTED AS FOLLOWS, IN NORMAL OR LIGHTWEIGHT CONCRETE:

ANCHOR DIAMETER (IN)	WEDGE		SLEEVE		SHELL	
	LOADS (LBS)	TORQUE (FT-LBS)	LOAD (LBS)	TORQUE (FT-LBS)	LOAD (LBS)	TORQUE (FT-LBS)
3/8	1100	25	700	10	1800	N/A
1/2	2000	50	900	20	2700	N/A
5/8	2300	80	1100	45	3700	N/A
3/4	3700	150	1400	90	5400	N/A

   a. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR WEDGE AND SHELL CATEGORIES AND TO THE ANCHOR OUTSIDE DIAMETER FOR THE SLEEVE CATEGORY.
   b. APPLY PROOF TEST LOADS TO WEDGE AND SLEEVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE THE NUT AND INSTALL A THREADED COUPLER NUT TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.
   c. FOR SLEEVE/SHELL INTERNALLY THREADED CATEGORIES, VERIFY THE ANCHOR IS NOT PREVENTED FROM WITHDRAWING BY A BASEPLATE OR OTHER FIXTURE. IF RESTRAINT IS FOUND, LOOSEN AND SHIM OR REMOVE FIXTURE(S) PRIOR TO TESTING.
   d. REACTION LOADS FROM TEST FIXTURE MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
   e. SHELL TYPE ANCHORS SHOULD BE TESTED AS FOLLOWS: VISUALLY INSPECT 25% FOR FULL EXPANSION AS EVIDENCED BY THE LOCATION OF THE EXPANSION PLUG IN THE ANCHOR BODY. PLUG LOCATION OF A FULLY EXPANDED ANCHOR SHOULD BE AS RECOMMENDED BY THE MANUFACTURER, OR IN THE ABSENCE OF SUCH RECOMMENDATION, AS DETERMINED ON THE JOBSITE FOLLOWING THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND PROOF LOAD 5% AS INDICATED IN THE TABLE ABOVE, BUT NOT LESS THAN THREE ANCHORS PER DAY FOR EACH DIFFERENT PERSON OR CREW INSTALLING ANCHORS, OR TEST 50% OF THE ANCHORS PER ITEM i.
   f. TEST EQUIPMENT SHALL BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
   g. TORQUE TESTS FOR SHELL TYPE ANCHORS ARE OMITTED DUE TO LACK OF DATA. TORQUE TESTING CAN OCCUR ON AN INDIVIDUAL BASIS WHEN TEST PROCEDURES ARE SUBMITTED AND APPROVED BY THE ENFORCEMENT AGENCY. TABULATED VALUES MAY BE FORTHCOMING ONCE THE ENFORCEMENT AGENCY HAS MORE DATA TO EVALUATE THE FEASIBILITY OF STANDARD TORQUE VALUES.
   h. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
   i. FOR WEDGE AND SLEEVE TYPE ANCHORS, TEST 50% OF THE ANCHORS. ALTERNATE ANCHORS IN ANY GROUP ARRANGEMENT. IF ANY FAILURES OCCUR, THE IMMEDIATE ADJACENT ANCHOR MUST THEN BE TESTED.
12. THE TEST LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR. ACCEPTABLE METHODS INCLUDE:
   a. USE OF A HYDRAULIC JACK, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE
   b. USE OF CALIBRATED SPRING-LOADED DEVICES
   c. USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE-CONTROLLED EXPANSION ANCHORS
13. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
   a. HYDRAULIC RAM METHOD: THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR EXPANSION ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
   b. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF (1/2) TURN OF THE NUT.
14. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.
15. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE, PRE- OR POST-TENSIONED, LOCATE THE PRESTRESSED TENDONS BY USING A NONDESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF 1" BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR.
16. IF REBAR IS ENCOUNTERED DURING THE DRILLING, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE DRILLING AND CONTACT THE STRUCTURAL ENGINEER.
17. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.
18. IF THE CONCRETE CRACKS DURING THE INSTALLATION OF THE ANCHOR, THE ANCHOR SHALL BE REMOVED OR ABANDONED.
19. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM EMBEDMENT OF ANCHORS AS FOLLOWS:

ANCHOR DIAMETER (IN)	WEDGE ANCHOR EMBED (IN)	HEAVY DUTY SLEEVE ANCHOR EMBED (IN)*	UNDERCUT ANCHOR EMBED (IN)**
3/8 (10mm)	2	2 3/4	4
1/2 (12mm)	2	3 1/4	5
5/8 (16mm)	3 1/8	4	7 1/2
3/4 (20mm)	3 3/4	5	9 7/8

   * EMBEDMENT BASED ON ICC ESR-1545

   ** EMBEDMENT BASED ON ICC ESR-1546
20. REQUIRED TEST LOADS SHALL BE DETERMINED AS THE LESSER OF TWICE THE MAXIMUM ALLOWABLE TENSION LOAD PROVIDED IN THE ICC ESR FOR THE SPECIFIC ANCHOR OR 80% OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR ELEMENT.

ADHESIVE ANCHORS

1. INTENDED FOR USE WITH ANCHOR BOLTS, DOWELS, AND REINFORCING BARS.
2. CHEMICAL ANCHOR SYSTEMS
   a. CONCRETE: USE ONLY ADHESIVE ANCHOR SYSTEMS THAT HAVE BEEN ISSUED AN ICC ESR IN ACCORDANCE WITH THE PROVISIONS OF ICC-ES AC308. ANCHOR SYSTEMS SHOULD BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORIES A-F PER SECTION 2.0 OF THE ICC ESR. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR AND AS REQUIRED BY THE MANUFACTURER.
   b. GROUT-FILLED MASONRY UNITS: USE ONLY ADHESIVE ANCHOR SYSTEMS THAT HAVE BEEN ISSUED AN ICC ESR IN ACCORDANCE WITH THE PROVISIONS OF ICC-ES AC58 AND HAVE PASSED OPTIONAL CREEP TESTS DESCRIBED IN SECTION 4.4.3 OF AC58. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR AND AS REQUIRED BY THE MANUFACTURER.
   c. ANCHORS AND DOWELS INSTALLED INTO HOLLOW MASONRY UNITS AND UNREINFORCED BRICK MASONRY: USE SCREENS AS SPECIFIED BY THE MANUFACTURER. EMBEDMENT DEPTH FOR ANCHORS SHALL BE PER THE APPLICABLE ICC ESR.
3. ANCHOR BOLTS SHALL BE ASTM A36 THREADED RODS WITH ASTM A563 GRADE A NUTS AND ANSI B18.22.1 TYPE A WASHERS, UNLESS OTHERWISE NOTED. ANCHORS DESIGNATED AS ASTM A193 GRADE B7 THREADED RODS SHALL USE ASTM A563 GRADE DH HEAVY HEX NUTS AND ASTM F436 WASHERS.
4. DOWELS AND REINFORCEMENT BARS SHALL BE ASTM A615, GRADE 60.
5. REMOVE GREASE, OIL, RUST AND ANY OTHER LAITANCE FROM RODS AND DOWELS PRIOR TO INSTALLATION.
6. TESTING AND INSPECTION REQUIREMENTS WILL BE DICTATED BY SECTION 4.0 OF THE ICC ESR. ANY TESTING AND INSPECTION SHALL VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACINGS, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.
7. THE TENSION TESTING OF THE CHEMICAL ANCHORS SHALL BE DONE IN THE PRESENCE OF THE INSPECTION AGENCY AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY. IF ANY ANCHORS FAIL THE TENSION TESTING REQUIREMENTS, THE ADDITIONAL TESTING REQUIREMENTS SHALL BE ACCEPTABLE TO THE ENFORCEMENT AGENCY.
8. TEST QUANTITY OF ANCHORS AS NOTED BELOW:

APPLICATION	QUANTITY OF BOLTS
STRUCTURAL	100%
NON-STRUCTURAL	50%
SILL PLATE BOLTING	10%

9. ANCHORS TO BE TESTED SHALL BE SELECTED AT RANDOM BY THE INSPECTION AGENCY.
10. WHERE ADHESIVE ANCHOR SYSTEMS ARE USED TO INSTALL REINFORCING DOWEL BARS IN HARDENED CONCRETE, ONLY 25% OF THE DOWELS NEED BE TESTED IF THE FOLLOWING CONDITIONS ARE MET:
   a. THE DOWELS ARE USED EXCLUSIVELY TO TRANSMIT SHEAR FORCES ACROSS JOINTS BETWEEN EXISTING AND NEW CONCRETE.
   b. THE NUMBER OF DOWELS IN ANY ONE MEMBER EQUALS OR EXCEEDS 12.
   c. THE DOWELS ARE UNIFORMLY DISTRIBUTED ACROSS SEISMIC FORCE RESISTING MEMBERS, SUCH AS SHEAR WALLS, COLLECTORS AND DIAPHRAGMS.
11. TESTING OF SHEAR DOWELS ACROSS COLD JOINTS IN SLABS-ON-GRADE WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM IS NOT REQUIRED.
12. REPLACE ANCHORS AND DOWELS THAT FAIL DURING TESTING AND RETEST. IF MORE THAN 10% OF THE TESTED DOWELS AND ANCHORS FAIL TO ACHIEVE THE SPECIFIED TEST LOAD, TEST 100% OF THE DOWELS AND ANCHORS INSTALLED WITHIN THE LAST 2 DAYS OF ANCHOR INSTALLATION.
13. A HYDRAULIC CYLINDER SHALL BE USED TO APPLY THE TENSION TEST LOAD TO THE ANCHOR WITH THE CYLINDER SUPPORTED ON A LOADING PLATE HAVING A HOLE DIAMETER EQUAL TO 1.5 TO 2.0 TIMES THE ANCHOR HOLE DIAMETER (CONFINED CONFIGURATION) UNLESS OTHERWISE APPROVED BY THE ENFORCEMENT AGENCY.
14. THE FOLLOWING CRITERIA APPLIES FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
   a. HYDRAULIC RAM METHOD: THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD.
15. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.
16. ALL HOLES FOR POST-INSTALLED ANCHORS SHALL BE DRILLED, CLEANED AND PREPARED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE APPLICABLE ICC ESR. WHERE AN ANCHOR DOES NOT SET PROPERLY, OR FAILS A TENSION TEST, OR REINFORCEMENT IS ENCOUNTERED DURING DRILLING, THE DRILLED HOLE MAY NOT BE REUSED. ABANDONED HOLES SHALL BE FILLED WITH NON-SHRINK GROUT. THE MINIMUM SPACING BETWEEN AN ABANDONED HOLE AND A DRILLED HOLE USED FOR A POST-INSTALLED ANCHOR SHALL NOT BE LESS THAN 1.5 ANCHOR DIAMETERS UNLESS OTHERWISE APPROVED BY THE ENFORCEMENT AGENCY. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE STRUCTURAL ENGINEER WILL DETERMINE A NEW LOCATION.
17. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATE MEMBERS OR OTHER STEEL ASSEMBLIES ATTACHED WITH ADHESIVE ANCHORS.
18. REQUIRED TEST LOADS SHALL BE DETERMINED AS THE LESSER OF TWICE THE MAXIMUM ALLOWABLE TENSION LOAD PROVIDED IN THE ICC ESR FOR THE SPECIFIC ANCHOR OR 80% OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR ELEMENT.

EPOXY ANCHORS

1. INTENDED FOR USE WITH REINFORCING BARS AND THREADED RODS.
2. ALL EPOXY ON THE JOB, UNLESS OTHERWISE NOTED, SHALL BE 'SET-3G' AS MANUFACTURED BY SIMPSON STRONG-TIE (ICC ESR-4057) OR APPROVED EQUIVALENT. [ENGR NOTE: CONFIRM ANCHOR BASIS OF DESIGN AND EDIT AS REQUIRED.]
3. WORKERS SHALL BE CERTIFIED FOR ANCHOR INSTALLATION EQUIPMENT AND PROCEDURES USING THEIR EPOXY.
4. CONTINUOUS INSPECTION IS REQUIRED FOR INSTALLATION OF REBAR OR THREADED RODS.
5. FOR REQUIRED HOLES, THE DIAMETERS SHALL BE PER MANUFACTURER'S REQUIREMENTS. MINIMUM HOLE LENGTH SHALL BE PER STRUCTURAL DRAWINGS, OR PER THE ICC MINIMUM (FOR MAXIMUM TENSION) IF NOT SHOWN.
6. FOR HORIZONTAL HOLES COMPLETELY THROUGH WALLS OR BEAMS AND FOR TIES AROUND COLUMNS, PROVIDE A DAM AT ONE END, FLOOD WITH EPOXY AND DAM THE OTHER SIDE. VIBRATE TIES TO ENSURE FULL COVERAGE. REMOVE DAMS ONCE FLUID EPOXY HAS SET. FILL ANY VOIDS WITH ADDITIONAL EPOXY.
7. ALL EPOXY ANCHORS WILL BE TESTED AS FOLLOWS:
   a. 25% OF FIRST 40 ANCHORS INSTALLED AND 10% OF ALL ANCHORS THEREAFTER.
   b. IF ANY FAILURES OCCUR, THE PREVIOUS 10 ANCHORS INSTALLED SHALL BE TESTED AS WELL AS THE NEXT 5 ANCHORS INSTALLED. NEW INSTALLED ANCHORS WILL CONTINUE TO BE TESTED UNTIL 5 SUCCESSIVE ANCHORS PASS, AT WHICH TIME NORMAL TESTING OF THE REMAINING ANCHORS SHALL RESUME.
   c. TEST VALUES:

ANCHOR TYPE	TEST TYPE	TEST LOAD (LBS)	BASE MATERIAL
5/8"ø THREADED ROD*	TENSION	6,000	CONCRETE
3/4"ø THREADED ROD*	TENSION	8,500	CONCRETE
7/8"ø THREADED ROD*	TENSION	11,500	CONCRETE
1"ø THREADED ROD*	TENSION	15,000	CONCRETE
#4 REBAR**	TENSION	4,800	CONCRETE
#5 REBAR**	TENSION	7,500	CONCRETE
#6 REBAR**	TENSION	10,500	CONCRETE

   * A307 ** GRADE 60
   d. ANCHORS SHALL BE ALLOWED TO CURE 48 HOURS PRIOR TO TESTING.
   e. TENSION TEST SHALL BE IN ACCORDANCE WITH ASTM E488.
   f. A MINIMUM OF TWO DOWELS PER WALL PER FLOOR SHALL BE TESTED.
   g. IF ANCHOR EDGE DISTANCE IS LESS THAN 6 ANCHOR DIAMETERS, USE 1/2 THE TEST VALUE SHOWN, UNLESS OTHERWISE NOTED.
8. WHEN INSTALLING DRILLED-IN EPOXY BARS OR ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.

POWDER ACTUATED FASTENERS

1. POWDER ACTUATED FASTENING SYSTEMS SHALL BE INSTALLED IN NORMAL WEIGHT AND LIGHTWEIGHT CONCRETE, MASONRY, AND STEEL PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC FASTENER AND AS REQUIRED BY THE MANUFACTURER.
2. WHEN INSTALLING POWDER ACTUATED FASTENERS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID HITTING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF 1" BETWEEN THE REINFORCEMENT AND THE FASTENER.
3. POWDER ACTUATED FASTENERS ARE NOT PERMITTED BY ASCE 7, SECTION 13.4.5 FOR SEISMIC TENSION LOAD APPLICATIONS. POWDER ACTUATED FASTENERS SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS, EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF-WEIGHT OF THE COMPONENTS SUPPORTED, OR IN CRACKED CONCRETE UNLESS PREAPPROVED FOR SUCH LOADING BY THE ENFORCEMENT AGENCY.
4. POWDER ACTUATED FASTENERS MAY BE USED FOR SEISMIC SHEAR, WHEN THEY ARE SPECIFICALLY LISTED FOR SERVICE IN RESISTING LATERAL LOADS IN AREAS SUBJECT TO EARTHQUAKE.
5. MINIMUM EDGE DISTANCE FOR POWDER ACTUATED FASTENERS SHALL BE THE LARGER OF THE VALUES GIVEN IN ASTM E1190 OR THE APPLICABLE ICC ESR.
6. FASTENERS TO BE TESTED SHALL BE SELECTED AT RANDOM BY THE INSPECTION AGENCY.
7. TESTING OF POWDER ACTUATED FASTENERS USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY, WHERE THERE ARE AT LEAST THREE FASTENERS, IS NOT REQUIRED.
8. IF ANY FASTENERS FAIL TESTING, TEST ALL FASTENERS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE FASTENERS PASS, THEN RESUME THE INITIAL TEST FREQUENCY.
9. THE TEST LOAD MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY MEASURE THE TENSION IN THE FASTENER, SUCH AS DIRECT PULL WITH A HYDRAULIC JACK, CALIBRATED SPRING-LOADED DEVICE, ETC. POWDER ACTUATED FASTENERS SHALL BE TENSION TESTED TO TWICE THE ALLOWABLE TENSION LOAD AS LISTED IN THE ICC ESR.
10. HILTI X-ENP-19 L15 SHOT PIN (ICC ESR-2776) CAN BE USED IN LIEU OF HILTI XU-0.157 AND XU-0.145 SHOT PINS FOR CONNECTION TO STEEL APPLICATION, AT CONTRACTOR'S OPTION.

TESTING, INSPECTIONS, AND OBSERVATIONS

1. THE STRUCTURAL ENGINEER DOES NOT PROVIDE INSPECTIONS OF CONSTRUCTION. STRUCTURAL ENGINEER MAY MAKE PERIODIC OBSERVATIONS OF THE CONSTRUCTION. SUCH OBSERVATIONS SHALL NOT REPLACE REQUIRED INSPECTIONS BY THE GOVERNING AUTHORITIES OR SERVE AS "SPECIAL INSPECTIONS" AS MAY BE REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.
2. SEE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS OR SPECIFICATIONS FOR TESTING AND INSPECTION REQUIREMENTS OF NON-STRUCTURAL COMPONENTS.
3. DUTIES OF THE INSPECTION AGENCY PER IBC CHAPTER 17:
   a. SUBMIT A PROPOSED TESTING AND INSPECTION PROGRAM TO THE OWNER, THE ARCHITECT AND THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
   b. PERFORM ALL TESTING AND INSPECTION REQUIRED PER APPROVED TESTING AND INSPECTION PROGRAM.
   c. FURNISH INSPECTION REPORT TO THE BUILDING OFFICIAL, THE OWNER, THE ARCHITECT, STRUCTURAL ENGINEER AND THE GENERAL CONTRACTOR. THE REPORTS SHALL BE COMPLETED AND FURNISHED WITHIN 48 HOURS OF INSPECTED WORK.
   d. SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTION AGENCY'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTIONS AND TESTS ARE REQUIRED FOR MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN CHAPTER 17 OF THE IBC OR IN STANDARDS REFERENCED BY THE IBC. THESE ITEMS INCLUDE:
   a. POST-INSTALLED ANCHORS - INSPECTION
5. THE FOLLOWING WORK SHALL BE INSPECTED BY THE SPECIAL INSPECTOR UNLESS SPECIFICALLY WAIVED BY THE BUILDING OFFICIAL.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
CONCRETE CONSTRUCTION				
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X	ACI 318: CH 20, 25.2, 25.3, 26.2.1-26.6.3	1908.4
2. MATERIAL IDENTIFICATION OF REINFORCING (TYPE/GRADE)		X	AISC 341: TABLE J9.1	
3. REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD		X	AISC 341: TABLE J9.1	
4. REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED		X	AISC 341: TABLE J9.1	
5. REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED		X	AISC 341: TABLE J9.1	
6. COMPOSITE STEEL MEMBERS HAVE REQUIRED SIZE		X	AISC 341: TABLE J9.1	
7. REINFORCING BAR WELDING:				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X	AWS D1.4	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND		X	ACI 318: 26.6.4	
c. INSPECTS ALL OTHER WELDS	X			
8. INSPECT ANCHORS CAST IN CONCRETE		X	ACI 318: 17.8.2	
9. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X		ACI 318: 17.8.2.4	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a		X	ACI 318: 17.8.2	
10. VERIFY USE OF REQUIRED DESIGN MIX		X	ACI 318: CH 19, 26.4.2, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
11. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		ASTM C172, ASTM C31, ACI 318: 26.5, 26.12	1907.10
12. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		ACI 318: 26.5	1908.6, 1908.7, 1908.8
13. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X	ACI 318: 26.5.3-26.5.5	1908.9
14. INSPECT PRESTRESSED CONCRETE FOR:				
a. APPLICATION OF PRESTRESSING FORCES; AND	X		ACI 318: 26.11.2	
b. GROUTING OF BONDED PRESTRESSING TENDONS	X			
15. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	X		ACI 318: 26.9	
16. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		X	ACI 318: 26.11.2	
17. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	ACI 318: 26.11.2(b)	

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE
STRUCTURAL STEEL - FABRICATION			
1. FABRICATION FACILITY			X
2. CONNECTION ERECTION AND ASSEMBLY	X	X	
3. PRETENSIONED AND SLIP-CRITICAL BOLTS/JOINTS USING TURN-OF-NUT METHOD WITHOUT MATCHMAKING OF CALIBRATED WRENCH METHODS OF INSTALLATION	X	X	
4. SINGLE PASS FILLET WELDS 5/16" OR LESS	X	X	X
5. ALL OTHER WELDS INCLUDING COMPLETE AND PARTIAL PENETRATION WELDS	X	X	X
6. SHEAR STUD PLACEMENT	X	X	

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE
STRUCTURAL STEEL - ERECTION			
1. STRUCTURAL STEEL ERECTION	X	X	
2. CONNECTION ERECTION AND ASSEMBLY	X	X	
3. PRETENSIONED AND SLIP-CRITICAL BOLTS/JOINTS USING TURN-OF-NUT METHOD WITHOUT MATCHMAKING OF CALIBRATED WRENCH METHODS OF INSTALLATION	X	X	
4. SINGLE PASS FILLET WELDS 5/16" OR LESS	X	X	X
5. ALL OTHER WELDS INCLUDING COMPLETE AND PARTIAL PENETRATION WELDS	X	X	X
6. SHEAR STUD PLACEMENT	X	X	
7. BEAM CAMBER (IN-PLACE)	X		

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL PRIOR TO BOLTING - MINIMUM INSPECTION				
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	TABLE C-N5.6-1	2.1, 9.1
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	TABLE C-N5.6-1	6.5.1
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	O	O	TABLE C-N5.6-1	2.3.2, 2.7.2, 9.1
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O	TABLE C-N5.6-1	4, 8
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	TABLE C-N5.6-1	TABLE 6.1(2)
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P[1]	O[1]	TABLE C-N5.6-1	3, 9.1, 9.3
7. PROTECTION STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	O	O	TABLE C-N5.6-1	2.2, 8, 9.1

1 DOCUMENT - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORTS NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UPS, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION.

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL AFTER BOLTING - MINIMUM INSPECTION				
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	TABLE C-N5.6-3	N/A

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL PRIOR TO WELDING - MINIMUM INSPECTION				
1. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	P	P	TABLE C-N5.4-1	6.3
2. MANUFACTURER CERTIFICATES FOR WELDING CONSUMABLES AVAILABLE	P	P	TABLE C-N5.4-1	6.2
3. MATERIAL IDENTIFICATION	O	O	TABLE C-N5.4-1	6.2
4. WELDER IDENTIFICATION	O	O	TABLE C-N5.4-1	6.4 (WELDER QUALIFICATION)
5. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	O	O	TABLE C-N5.4-1	
a. JOINT PREPARATION	O	O	TABLE C-N5.4-1	6.5.2
b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	O	O	TABLE C-N5.4-1	5.22
c. CLEANLINESS (CONDITION OF STEEL SURFACE)	O	O	TABLE C-N5.4-1	5.14
d. TACKING (TACK WELD QUALITY AND LOCATION)	O	O	TABLE C-N5.4-1	5.17
e. BACKING TYPE AND FIT (IF APPLICABLE)	O	O	TABLE C-N5.4-1	5.9, 5.21.1.1
6. FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- & K--JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
a. JOINT PREPARATION	P/O[1]	O	TABLE C-N5.4-1	9.11.2
b. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
c. CLEANLINESS (CONDITION OF STEEL SURFACE)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
d. TACKING (TACK WELD QUALITY AND LOCATION)	P/O[1]	O	TABLE C-N5.4-1	9.11.2
7. CONFIGURATION AND FINISH OF ACCESS HOLES	O		TABLE C-N5.4-1	6.5.2, 5.16 (& SEE AISC 360 SECT. J1.6)
8. FIT-UP OF FILLET WELDS	P/O[1]	O	TABLE C-N5.4-1	
a. DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	P/O[1]	O	TABLE C-N5.4-1	5.21.1
b. CLEANLINESS (CONDITION OF STEEL SURFACES)	P/O[1]	O	TABLE C-N5.4-1	5.14
c. TACKING (TACK WELD QUALITY AND LOCATION)	P/O[1]	O	TABLE C-N5.4-1	5.17
9. CHECK WELDING EQUIPMENT	O	O	TABLE C-N5.4-1	6.2, 5.10

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL DURING WELDING - MINIMUM INSPECTION				
1. USE OF QUALIFIED WELDERS	O	O	TABLE C-N5.4-2	6.4
2. CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O	TABLE C-N5.4-2	6.2
a. PACKAGING	O	O	TABLE C-N5.4-2	5.3.1
b. EXPOSURE CONTROL	O	O	TABLE C-N5.4-2	5.3.2 (FOR SMAW), 5.3.3 (FOR SAW)
3. ENVIRONMENT CONDITIONS	O	O	TABLE C-N5.4-2	
a. WIND SPEED WITHIN LIMITS	O	O	TABLE C-N5.4-2	5.11.1
b. PRECIPITATION AND TEMPERATURE	O	O	TABLE C-N5.4-2	5.11.2
4. WPS FOLLOWED	O	O	TABLE C-N5.4-2	6.3.3, 6.5.2, 5.5, 5.20
a. SETTINGS ON WELDING EQUIPMENT	O	O	TABLE C-N5.4-2	
b. TRAVEL SPEED	O	O	TABLE C-N5.4-2	
c. SELECTED WELDING MATERIALS	O	O	TABLE C-N5.4-2	
d. SHIELDING GAS TYPE/FLOW RATE	O	O	TABLE C-N5.4-2	
e. PREHEAT APPLIED	O	O	TABLE C-N5.4-2	5.6, 5.7
f. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX)	O	O	TABLE C-N5.4-2	
g. PROPER POSITION (F, V, H, OH)	O	O	TABLE C-N5.4-2	
h. INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED	O	O	TABLE C-N5.4-2	
5. WELDING TECHNIQUES	O	O	TABLE C-N5.4-2	6.5.2, 6.5.3, 5.23
a. INTERPASS AND FINAL CLEANING	O	O	TABLE C-N5.4-2	5.29.1
b. EACH PASS WITHIN PROFILE LIMITATIONS	O	O	TABLE C-N5.4-2	
c. EACH PASS MEETS QUALITY REQUIREMENTS	O	O	TABLE C-N5.4-2	

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE	AWS D1.1 CLAUSES
STRUCTURAL STEEL AFTER WELDING - MINIMUM INSPECTION				
1. WELDS CLEANED	O	O	TABLE C-N5.4-3	5.29.1
2. SIZE, LENGTH AND LOCATION OF WELDS	P	P	TABLE C-N5.4-3	6.5.1
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA	P[2]	P[2]	TABLE C-N5.4-3	6.5.3
a. CRACK PROHIBITION	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(1)
b. WELD/BASE-METAL FUSION	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(2)
c. CRATER CROSS-SECTION	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(3)
d. WELD PROFILES	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(4), 5.24
e. WELD SIZE	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(6)
f. UNDERCUT	P[2]	P[2]	TABLE C-N5.4-3	TABLE 6.1(7)
g. POROSITY	P[2]	P[2]		TABLE 6.1(8)
4. ARC STRIKES	P	P	TABLE C-N5.4-3	5.28
5. K-AREA[3]	P[2]	P[2]	TABLE C-N5.4-3	N/A
6. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	P	P	TABLE C-N5.4-3	5.16, 6.5.2 (& SEE AISC 360 SECT. J1.6)
7. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P[2]	P[2]	TABLE C-N5.4-3	5.9, 5.30
8. REPAIR ACTIVITIES	P	P[2]	TABLE C-N5.4-3	6.5.3, 5.25
9. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P	TABLE C-N5.4-3	6.5.4, 6.5.5
10. PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	P[2]	P[2]	TABLE C-N5.4-3	6.5.4, 6.5.5

1 FOLLOWING PERFORMANCE OF THIS INSPECTION TASK FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF THE SKILLS TO VERIFY THESE ITEMS, THE PERFORM DESIGNATION OF THIS TASK SHALL BE REDUCED TO OBSERVE, AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO PERFORM UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATE ASSURANCE THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.

2 DOCUMENT - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORTS NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UPS, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION.

3 WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3" OF THE WELD. THE VISUAL INSPECTION SHALL BE PERFORMED NO SOONER THAN 48 HOURS FOLLOWING COMPLETION OF THE WELDING.

VERIFICATION AND INSPECTION TASK	QC	QA	MATERIAL STD REFERENCE
STRUCTURAL STEEL - OTHER INSPECTION TASKS REQUIRED BY AISC 341			
1. RBS REQUIREMENTS, IF APPLICABLE	P[1]	P[1]	
2. CONTOUR AND FINISH	P[1]	P[1]	
3. DIMENSIONAL TOLERANCES	P[1]	P[1]	
4. PROTECTED ZONE - NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE	P[1]	P[1]	

1 DOCUMENT - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORTS NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UPS, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
STRUCTURAL DECKING				
1. DECK PLACEMENT AND ATTACHMENT	X	X		

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
COLD-FORMED STEEL FRAMING				
1. EXTERIOR WALLS AND CONNECTIONS	X	X		
2. COLD-FORMED STEEL TRUSS SPANNING 60 FEET OR GREATER:				
a. TEMPORARY AND PERMANENT INSTALLATION RESTRAINT/BRACING		X		1705.2.4

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	MATERIAL STD REFERENCE	IBC REFERENCE
SOILS				
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X		
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X		
3. PERFORM CLASSIFICATIONS AND TESTING OF COMPACTED FILL MATERIAL		X		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X			
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X		

STRUCTURAL SYMBOL LIST

GENERAL SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
(+16'-3")	TOP OF STRUCTURAL FRAMING ABOVE ELEVATION (+0'-0")	N/A
(-2'-0")	TOP OF STRUCTURAL FOUNDATION BELOW ELEVATION (+0'-0")	N/A

FOUNDATION SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
-1"	SLAB DEPRESSION	
w	STEP IN FOOTING	

CONCRETE SYMBOLS:

SYMBOL	DESCRIPTION	DETAIL REFERENCE
RAMP UP	RAMP (DIRECTION)	N/A
	RAMP DOWN	
	RAMP UP	
	SLAB CURB WALL	
	SLOPING SLAB DROP	

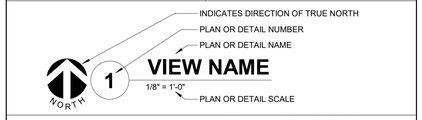
STEEL SYMBOLS:

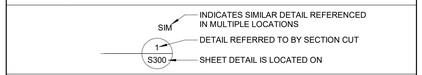
SYMBOL	DESCRIPTION	DETAIL REFERENCE
	STEEL DECK (DIRECTION)	N/A
(##)	HEADED STUD ANCHORS (HSA) ON BEAM	
c=X"	BEAM CAMBER	N/A
	BEAM SPLICE	
##K / ##K	CONNECTION REACTION (1.2DL + 1.6 LL) IN KIPS.	SEE TYPICAL STEEL DETAILS
	NON-FRAME KICKER BRACE	
	MOMENT CONNECTION	
	BOLTED COLLECTOR CONNECTION	

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL



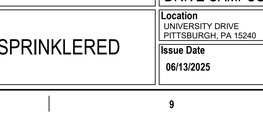


LINE TYPE KEY:

- NEW WORK (DARK SOLID LINE/LINE WEIGHT WILL VARY)
- NEW WORK BELOW OR BEYOND VIEW (DARK DASH LINE)
- EXISTING TO BE REMOVED (DARK DASH LINE)
- EXISTING WORK TO REMAIN (HALFTONED SOLID LINE/LINE WEIGHT WILL VARY)
- NON STRUCTURAL (HALFTONED LIGHT SOLID LINE)
- GRID OR CENTERLINE

MATERIAL LEGEND:

- CONCRETE - CAST-IN-PLACE
- CONCRETE - EXISTING
- EARTH
- GRAVEL OR GRANULAR FILL
- GROUT OR DRYPACK OR SAND
- MASONRY
- WOOD / COLD-FORM STUD
- PRECAST CONCRETE
- STEEL



Revisions:	Date:

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED — LEA M. COSENZA — ENGINEER — No. PE059378

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title	GENERAL NOTES / SCHEDULES
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S002.0
	SHEET 39 of 797

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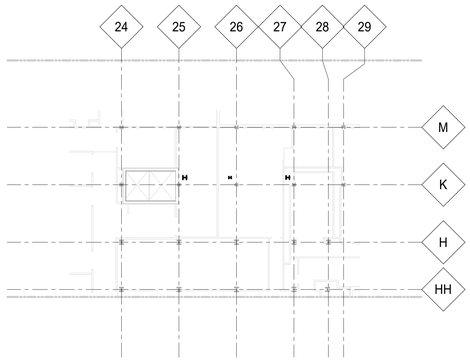
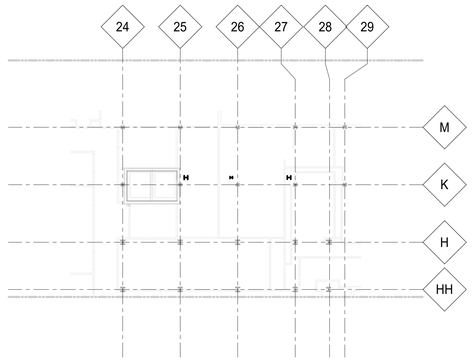
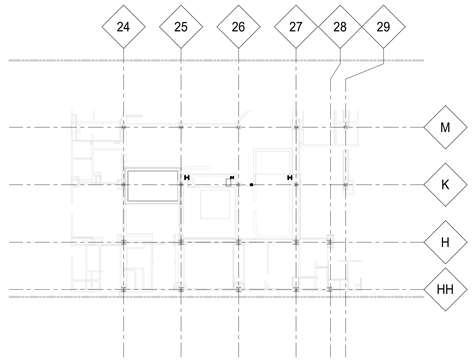
VA FORM 08 - 6231



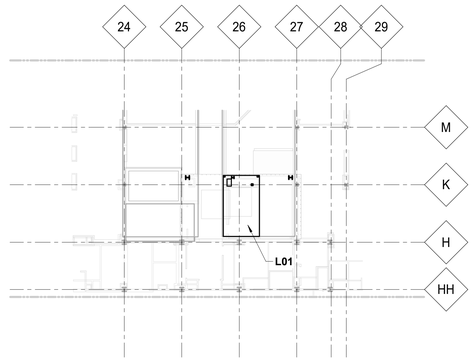
B1 **LOAD MAP - BASEMENT - NORTH TOWER**
3/64" = 1'-0"



B3 **LOAD MAP - GROUND LEVEL - NORTH TOWER**
3/64" = 1'-0"



B5 **LOAD MAP - LEVEL 01 - NORTH TOWER**
3/64" = 1'-0"



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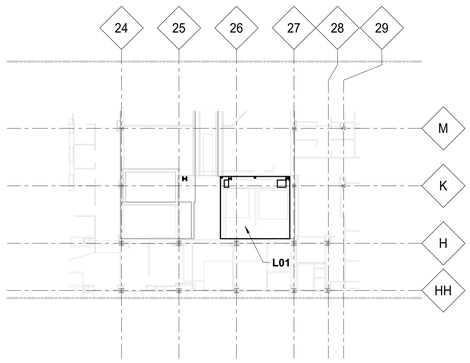
3/64" = 1'-0"



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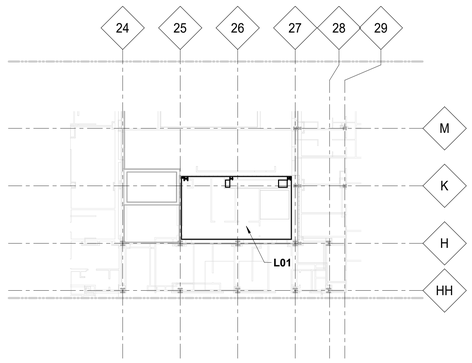
3/64" = 1'-0"



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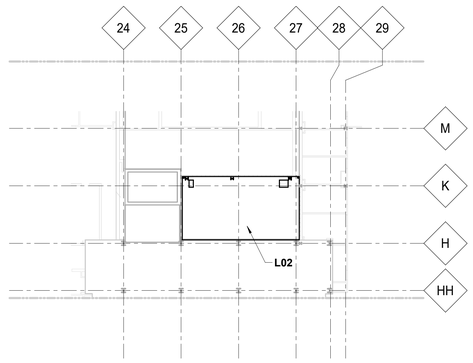
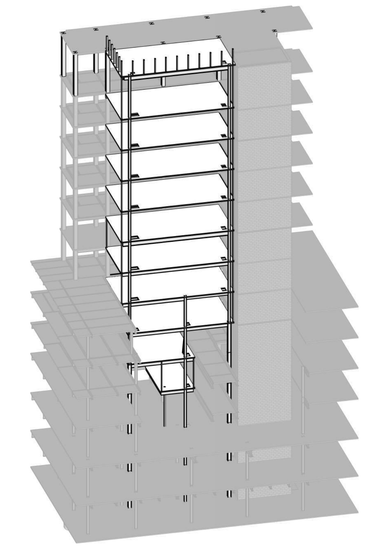
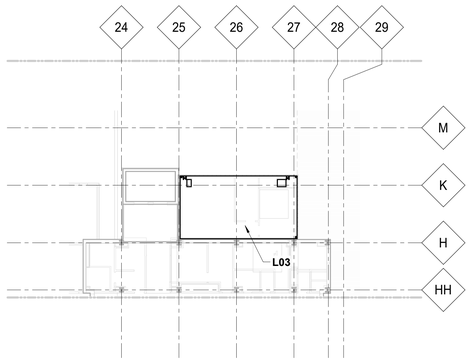
3/64" = 1'-0"



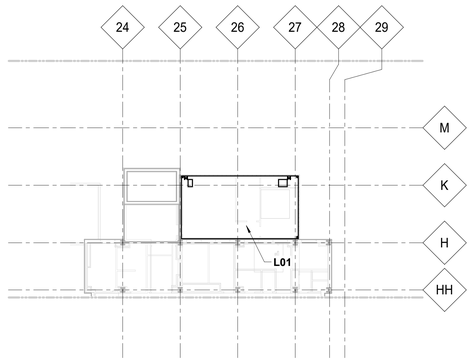
D5 **LOAD MAP - LEVEL 05 - NORTH TOWER**
3/64" = 1'-0"



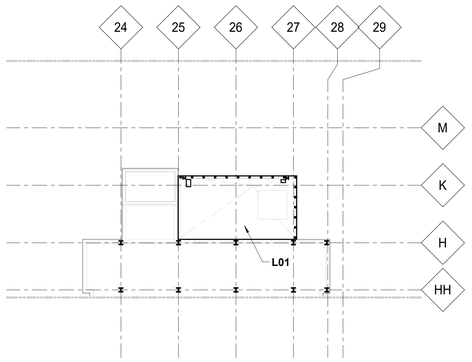
E8 **VIEW – FOR REFERENCE ONLY - NORTH TOWER**



F1 **LOAD MAP - LEVEL 06 - NORTH TOWER**
3/64" = 1'-0"



F3 **LOAD MAP - LEVEL 07-11 - NORTH TOWER**
3/64" = 1'-0"



F5 **LOAD MAP - ROOF - NORTH TOWER**
3/64" = 1'-0"

DESIGN LOADS (PSF)

USE \ MARK AREA		L01	L02	L03	L04
	FLOOR FRAMING SELF-WEIGHT	44	44	44	44
SUPERIMPOSED DEAD LOADS (SDL)	STAIRS/ELEVATORS	---	---	---	---
	SUSPENDED CEILING	---	---	---	---
	SUSPENDED MEP LOADS	---	---	---	---
	FLOOR FINISHES / ROOFING	---	---	---	---
	INSULATION	---	---	---	---
	GREEN ROOF SYSTEM	---	---	---	---
	PARTITIONS WALLS	---	---	---	---
	TOTAL SDL	15	50	100	30
	BASIC FLAT ROOF SNOW	---	---	---	---
	LIVE LOADS	125	125	125	150

PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED
LEA M. COSENZA
ENGINEER
No. PE090078

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: LOADING PLANS - NORTH TOWER	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-S010.0
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	SHEET 40 of 797

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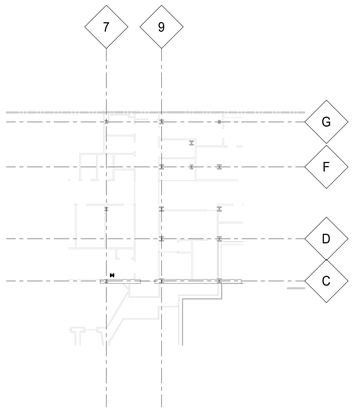
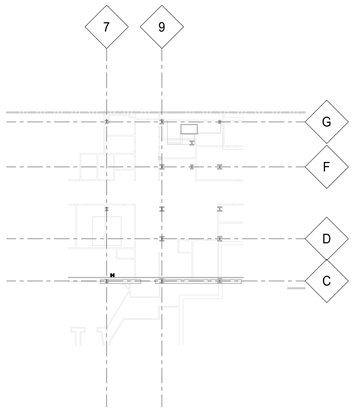
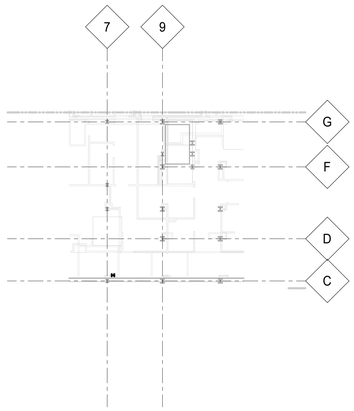


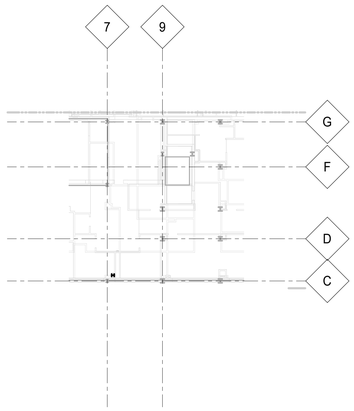
B1 **LOAD MAP - BASEMENT - WEST TOWER**
3/64" = 1'-0"



B3 **LOAD MAP - GROUND LEVEL - WEST TOWER**
3/64" = 1'-0"



B5 **LOAD MAP - LEVEL 01 - WEST TOWER**
3/64" = 1'-0"



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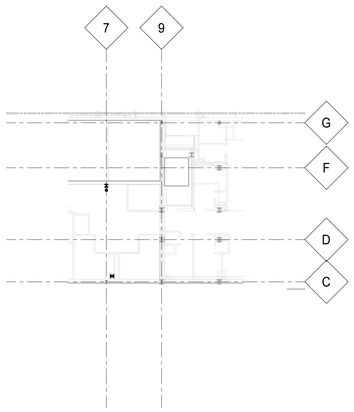
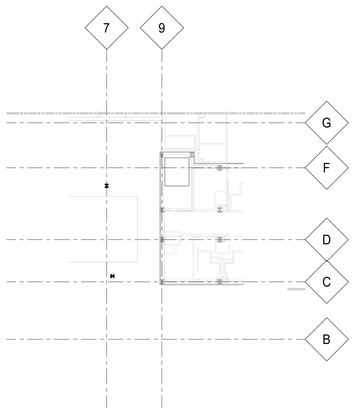


D1 **LOAD MAP - LEVEL 03 - WEST TOWER**
3/64" = 1'-0"



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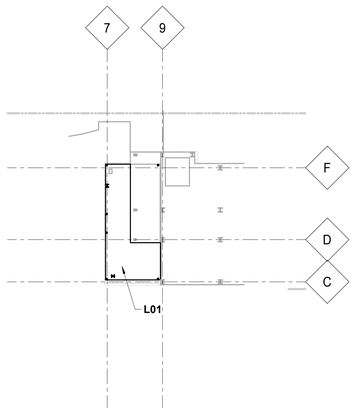
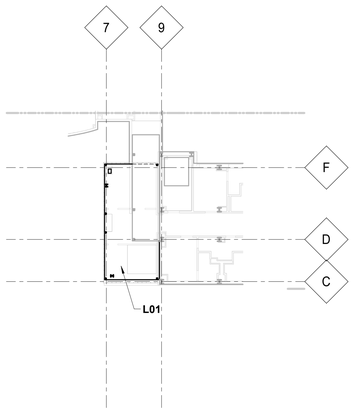


D5 **LOAD MAP - LEVEL 05 - WEST TOWER**
3/64" = 1'-0"



F1 **LOAD MAP - LEVEL 06 - WEST TOWER**
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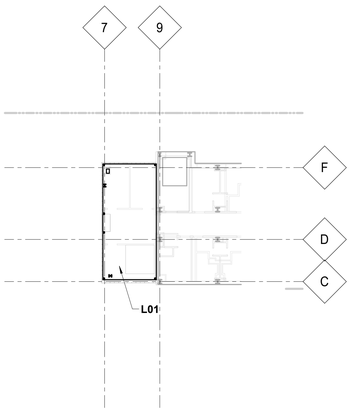
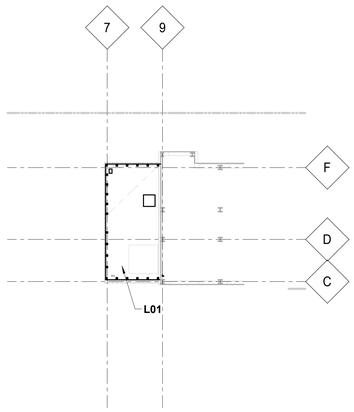
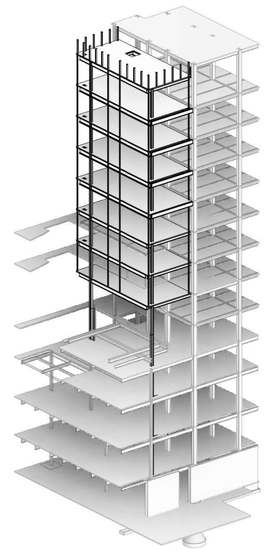


F3 **LOAD MAP - LEVEL 07-11 - WEST TOWER**
3/64" = 1'-0"



F5 **LOAD MAP - ROOF - WEST TOWER**
3/64" = 1'-0"



E8 **VIEW – FOR REFERENCE ONLY - WEST TOWER**

DESIGN LOADS (PSF)

USE \ MARK AREA		L01	L02	L03	L04
SUPERIMPOSED DEAD LOADS (SDL)	FLOOR FRAMING SELF-WEIGHT	44	44	44	44
	STAIRS/ELEVATORS	---	---	---	---
	SUSPENDED CEILING	---	---	---	---
	SUSPENDED MEP LOADS	---	---	---	---
	FLOOR FINISHES / ROOFING	---	---	---	---
	INSULATION	---	---	---	---
	GREEN ROOF SYSTEM	---	---	---	---
	PARTITIONS WALLS	---	---	---	---
	TOTAL SDL	15	50	100	30
	BASIC FLAT ROOF SNOW	---	---	---	---
	LIVE LOADS	125	125	125	150

PLAN NORTH

3/64" = 1'-0" SCALE 5 0 5 10 15 20 25 30 FEET

Revisions:	Date:

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PROJECT #22002251.00

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED
LEA M. COSENZA
ENGINEER
No. PE059378

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: LOADING PLANS - WEST TOWER	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S011.0
			SHEET 41 of 797

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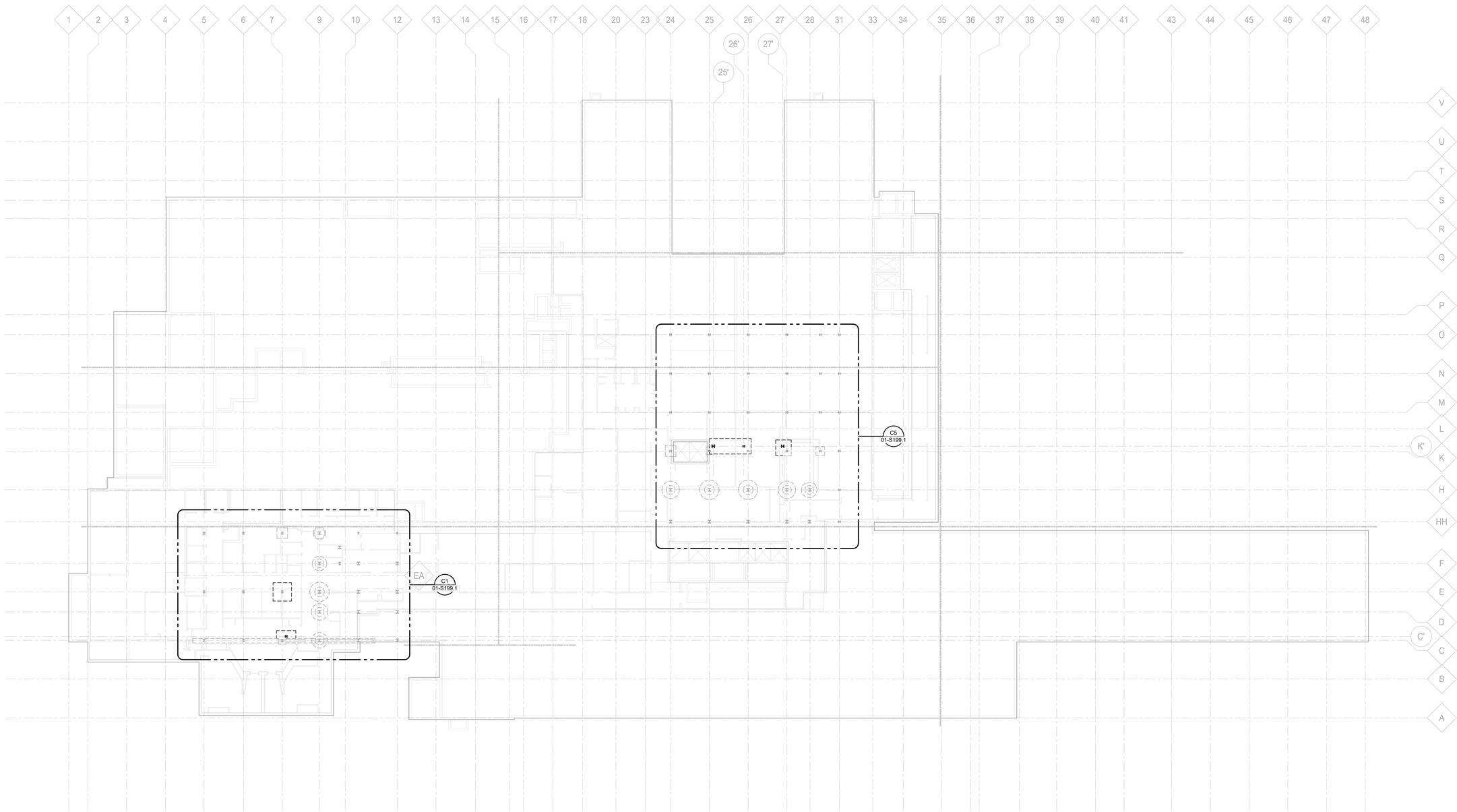

F5 OVERALL BASEMENT

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30

3/64" = 1'-0"

SCALE FEET

Revisions:	Date:

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
ENGINEER
No. PE090278

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	OVERALL BASEMENT FOUNDATION PLAN
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S199.0
	SHEET 42 of 797

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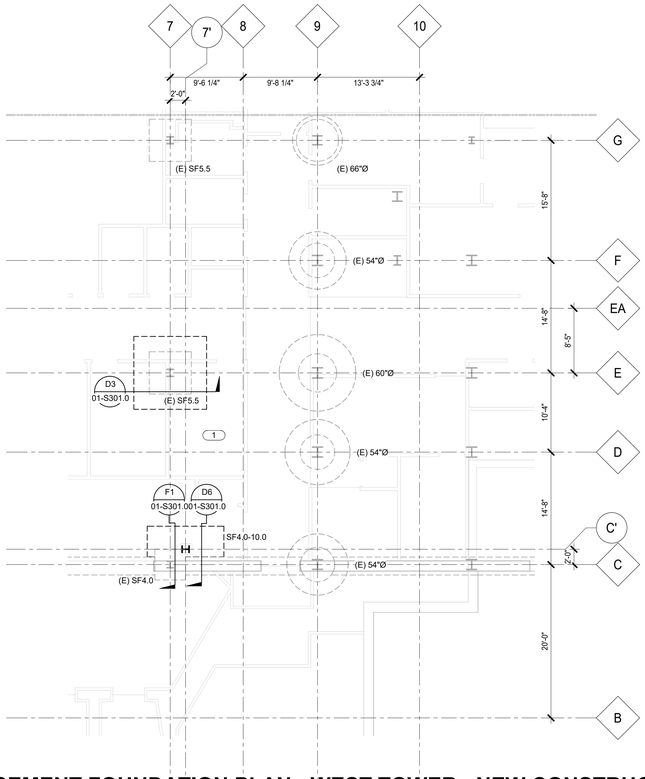
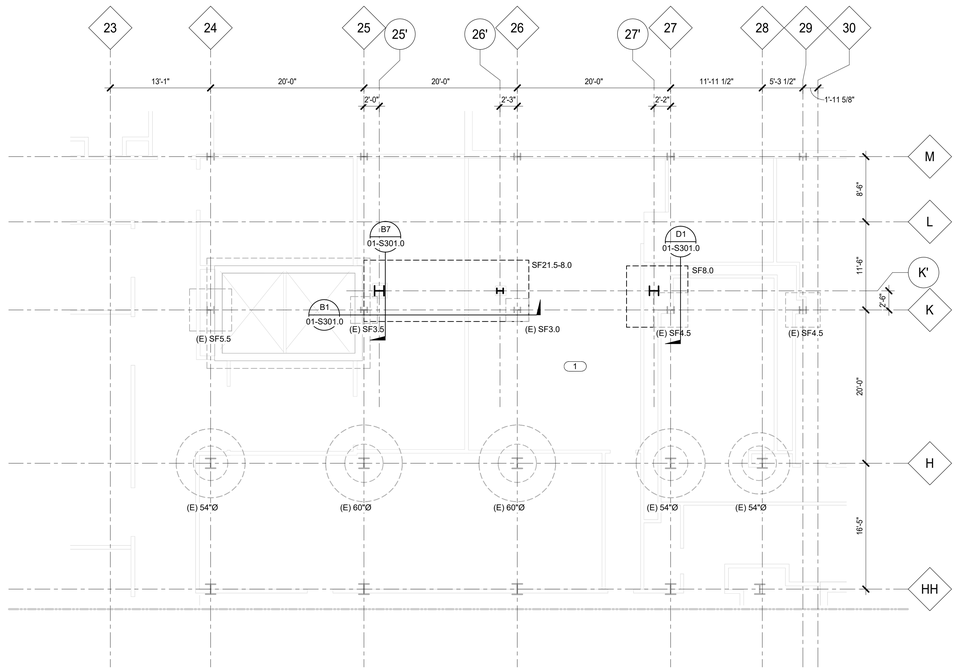


C1 BASEMENT FOUNDATION PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 BASEMENT FOUNDATION PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) CONCRETE SLAB-ON-GRADE. SECTIONS OF (E) SLAB-ON-GRADE THAT ARE DEMOLISHED FOR CONSTRUCTION ARE TO BE PATCHED TO MATCH EXISTING THICKNESS. REFER TO TYPICAL DETAILS.

KEYNOTES:

PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL BASEMENT FOUNDATION PLAN
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S199.1
	SHEET 43 of 797

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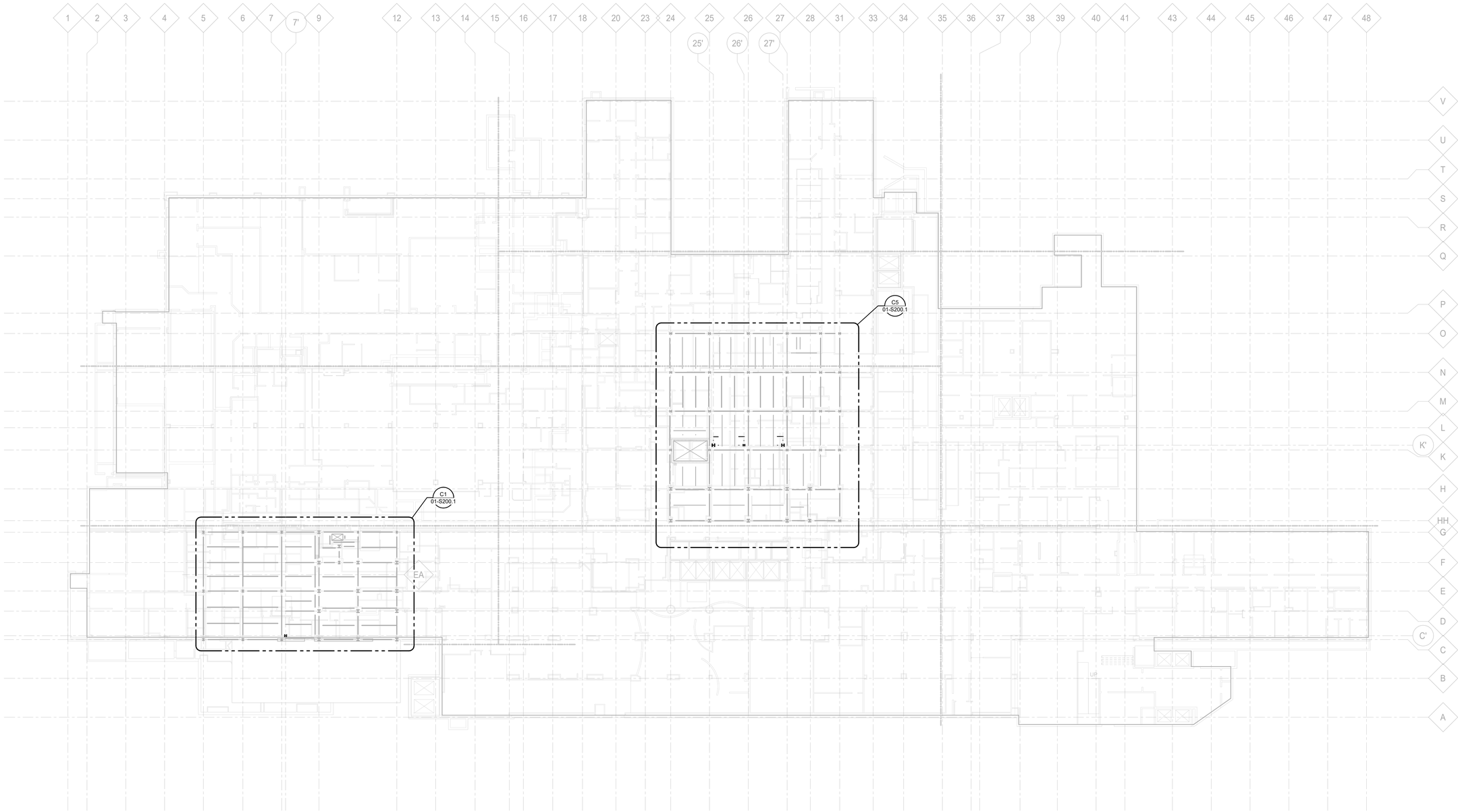

1 OVERALL GROUND PLAN
3/64" = 1'-0"

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
LEA M. COSENZA
ENGINEER
No. PE090278

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: OVERALL GROUND LEVEL FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:		Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
	FULLY SPRINKLERED	Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S200.0
			SHEET 44 of 797

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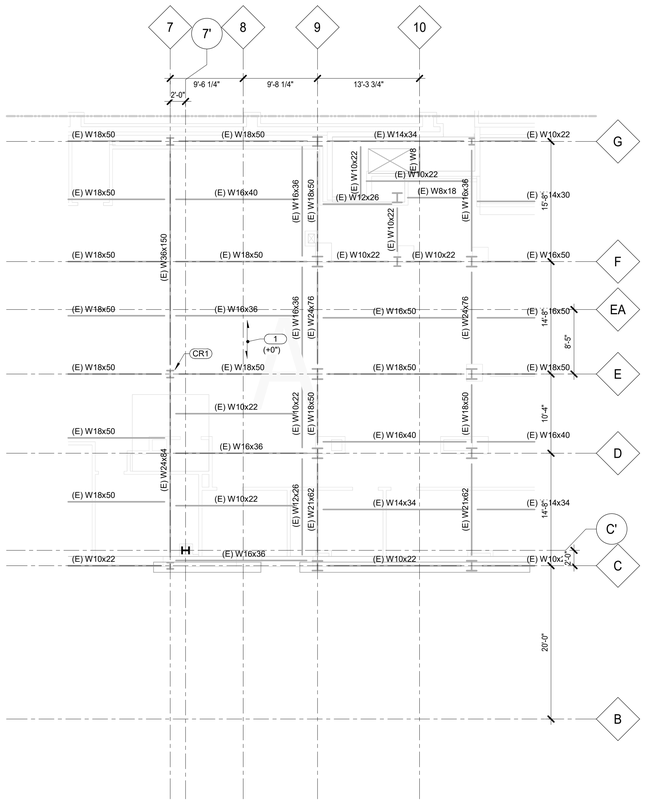
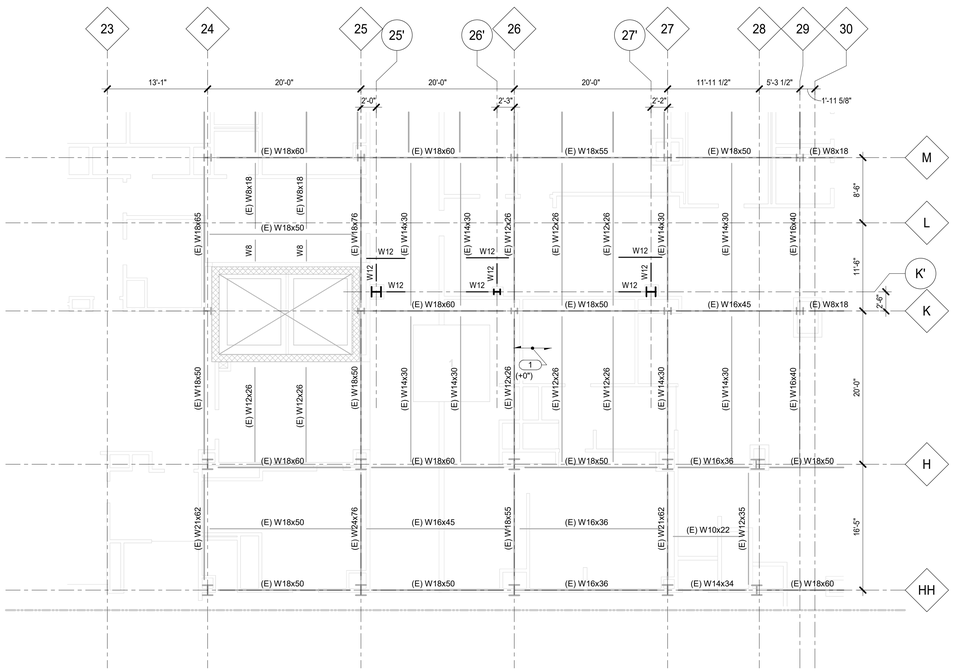


C1 GROUND LEVEL FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 GROUND LEVEL FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"

GENERAL NOTES:

GENERAL FRAMING SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. COLUMN REINFORCING MARKS APPLY TO COLUMNS SUPPORTING SHOWN LEVEL
4. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES: (1)

1. (E) 4" CONCRETE SLAB.

KEYNOTES:

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

PLAN NORTH

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA — LEA M. COSENZA — ENGINEER — No. PE059579

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title: PARTIAL GROUND LEVEL FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-S200.1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	SHEET 45 of 797

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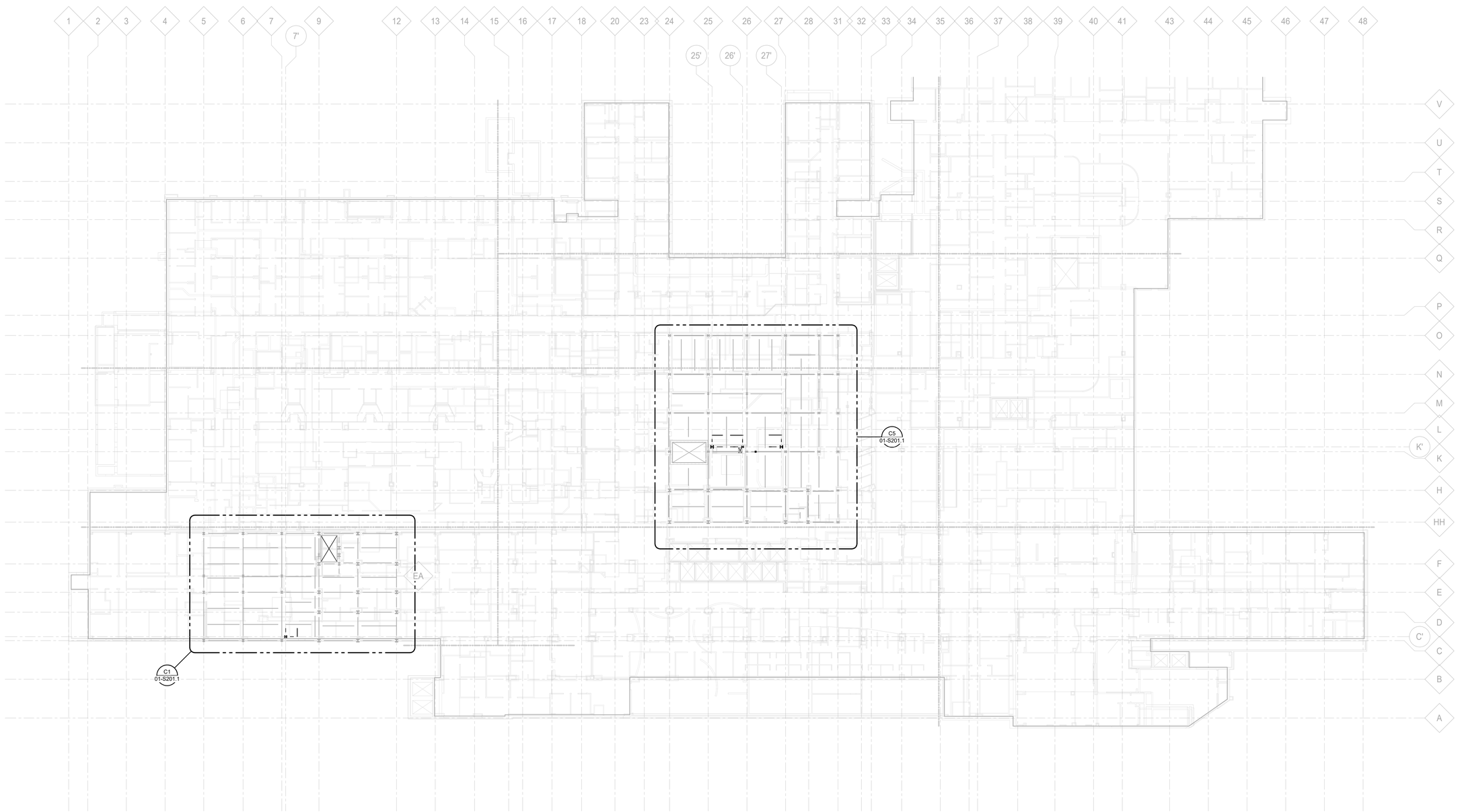

F5 OVERALL LEVEL 01 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30

3/64" = 1'-0" SCALE FEET

Revisions:	Date:

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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No. PE059978

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: OVERALL LEVEL 01 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-S201.0
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	SHEET 46 of 797

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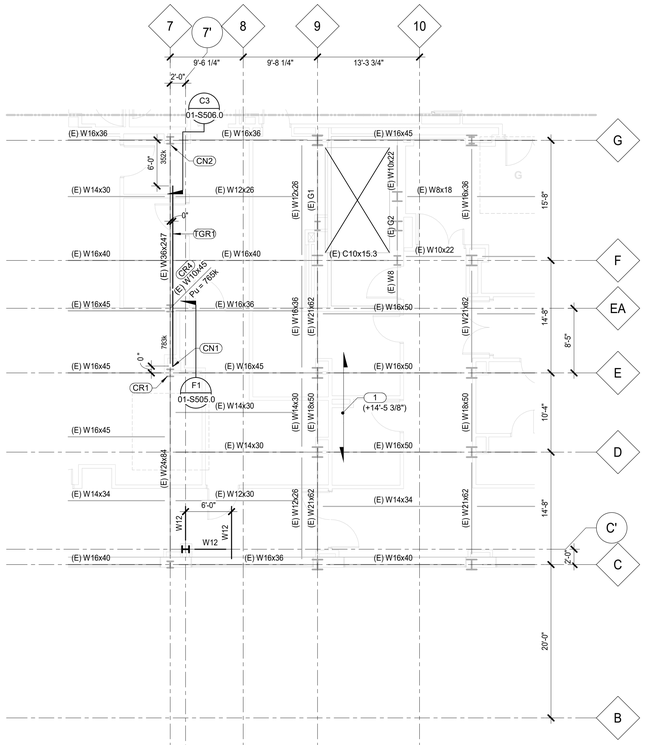
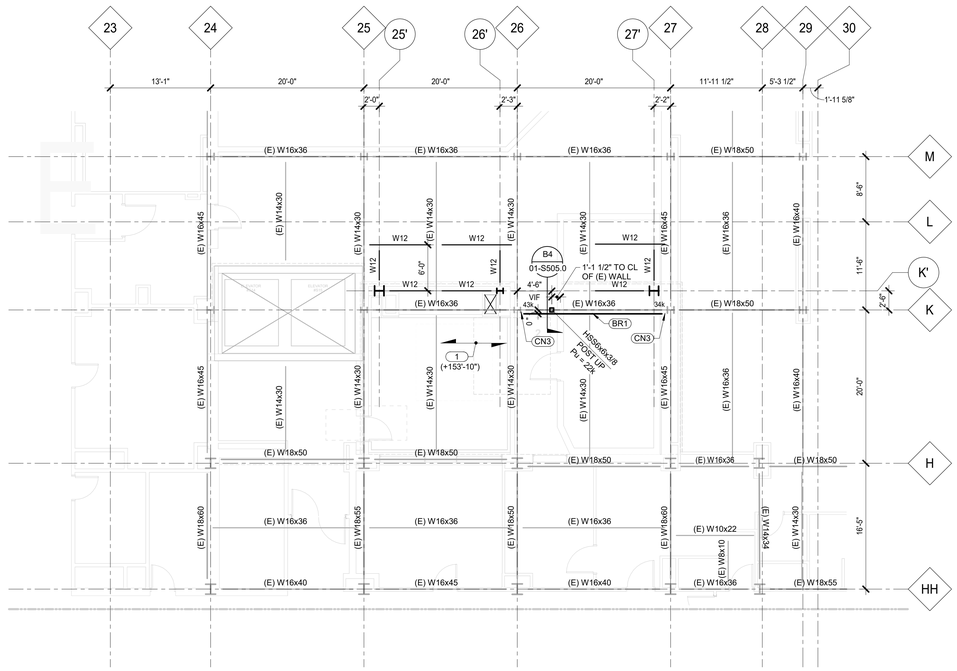


C1 **LEVEL 01 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION**
1/8" = 1'-0"



C5 **LEVEL 01 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION**
1/8" = 1'-0"

GENERAL NOTES:

GENERAL FRAMING SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. COLUMN REINFORCING MARKS APPLY TO COLUMNS SUPPORTING SHOWN LEVEL
4. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) 4" CONCRETE SLAB.

KEYNOTES:

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 01 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S201.1
	SHEET 47 of 797

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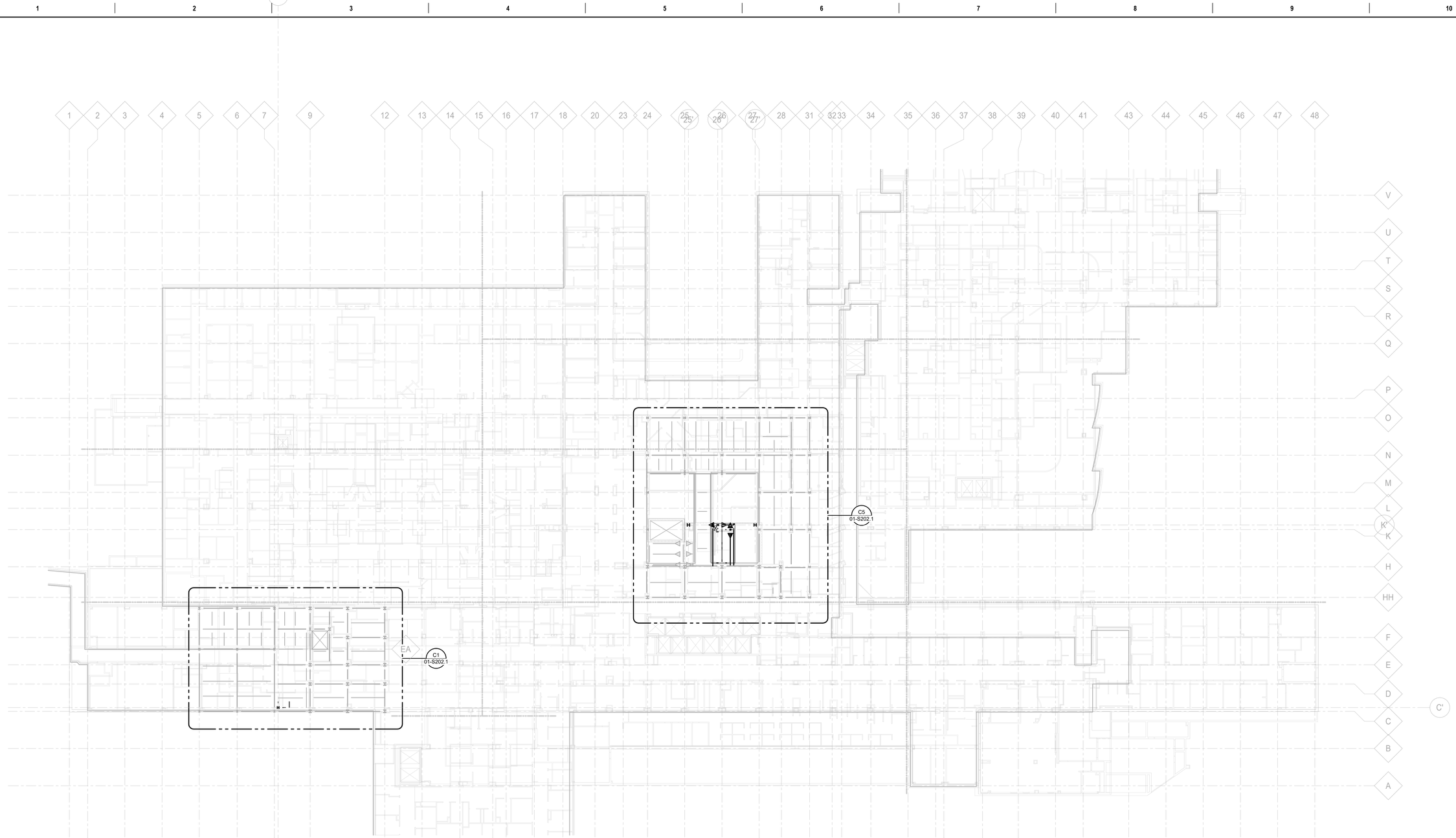

F5 OVERALL LEVEL 02 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

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PROJECT #23002251.00

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Office of Construction and Facilities Management

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Drawing Title: OVERALL LEVEL 02 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:		Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
	FULLY SPRINKLERED	Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S202.0
			SHEET 48 of 797

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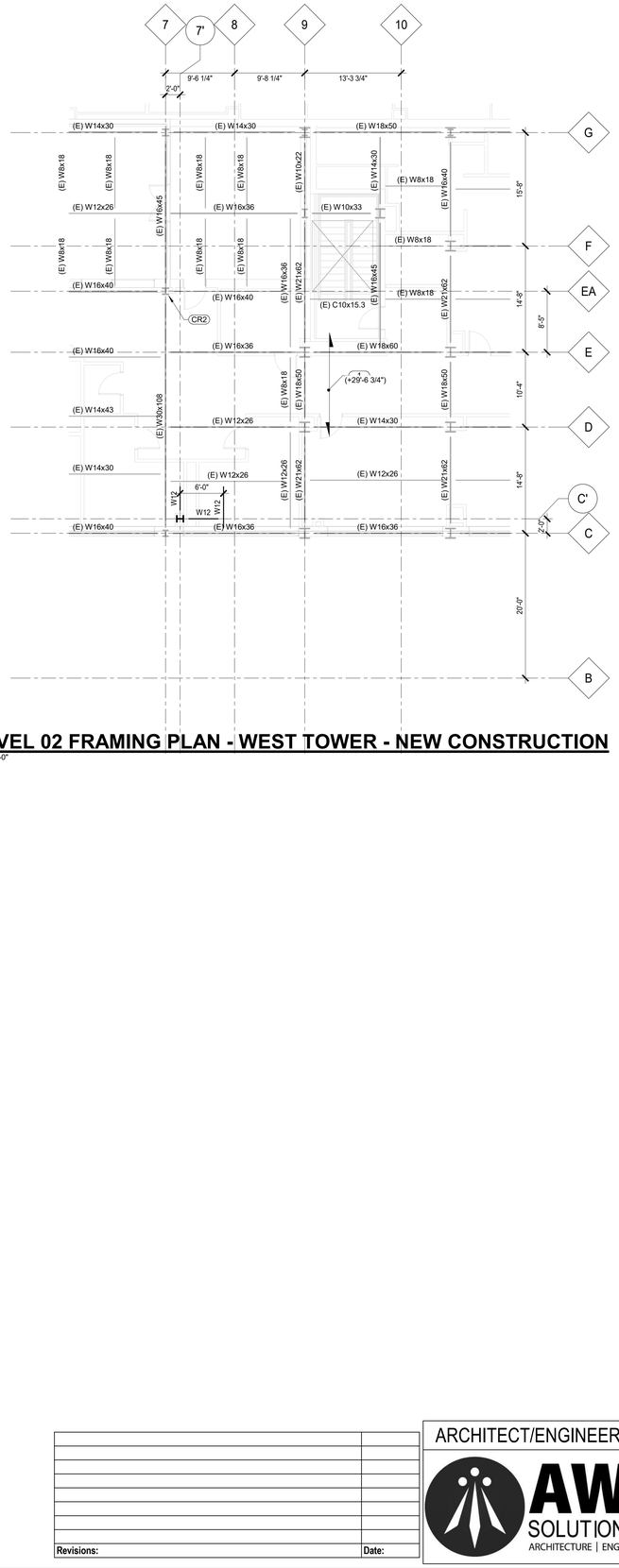
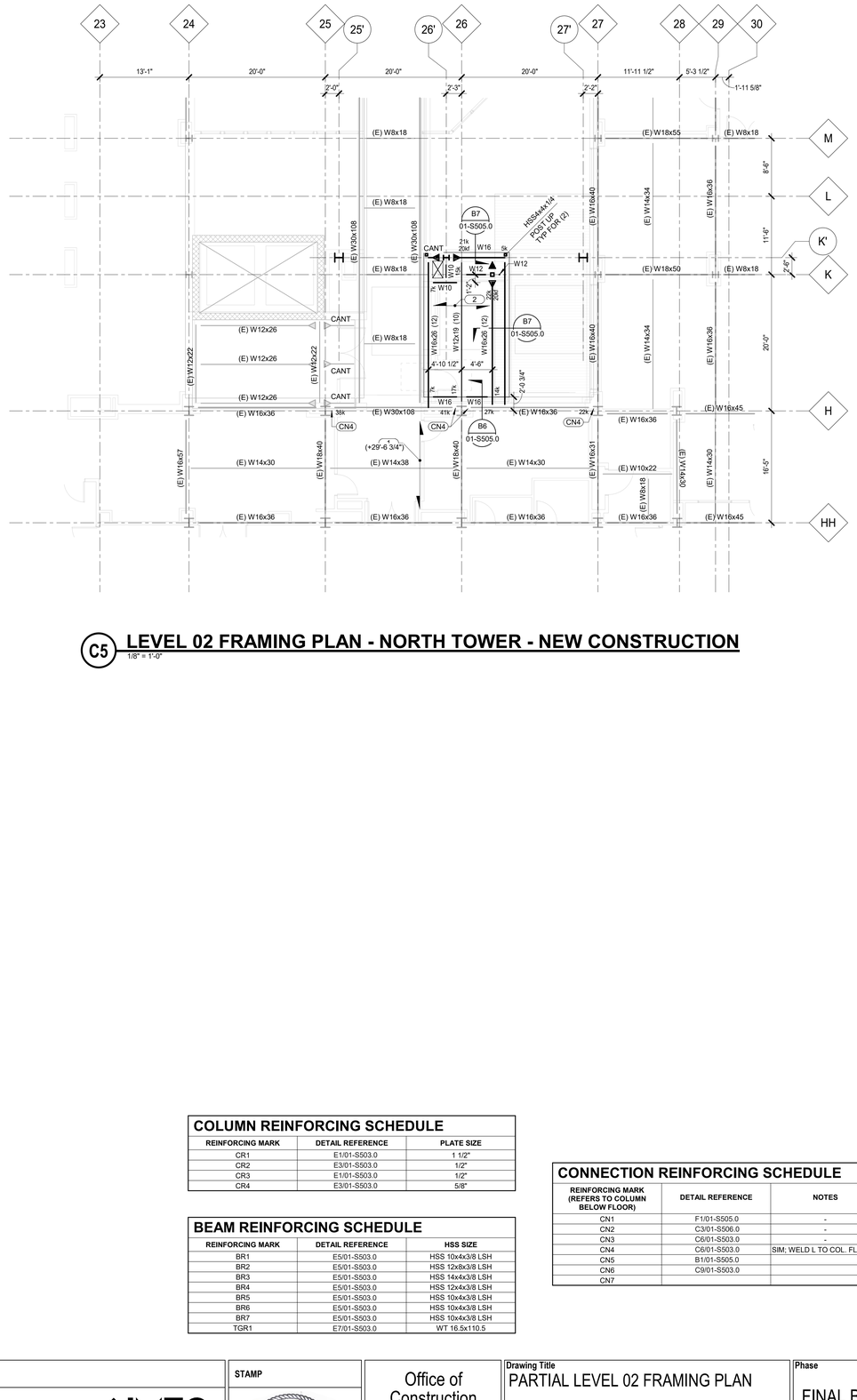
VA FORM 08 - 6231



C1 LEVEL 02 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 LEVEL 02 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) 4" CONCRETE SLAB.
2. (N) 3 1/2" LW CONCRETE ON 2" 20GA COMPOSITE STEEL DECK, WITH W2.1xW2.1 WWR. TOTAL SLAB THICKNESS = 6 1/2". SEE PLAN FOR SHEAR STUD LAYOUT. T/SLAB IS TO MATCH EXISTING SLAB.

KEYNOTES:

PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
ENGINEER
No. PE059878

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 02 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S202.1
	SHEET 49 of 797

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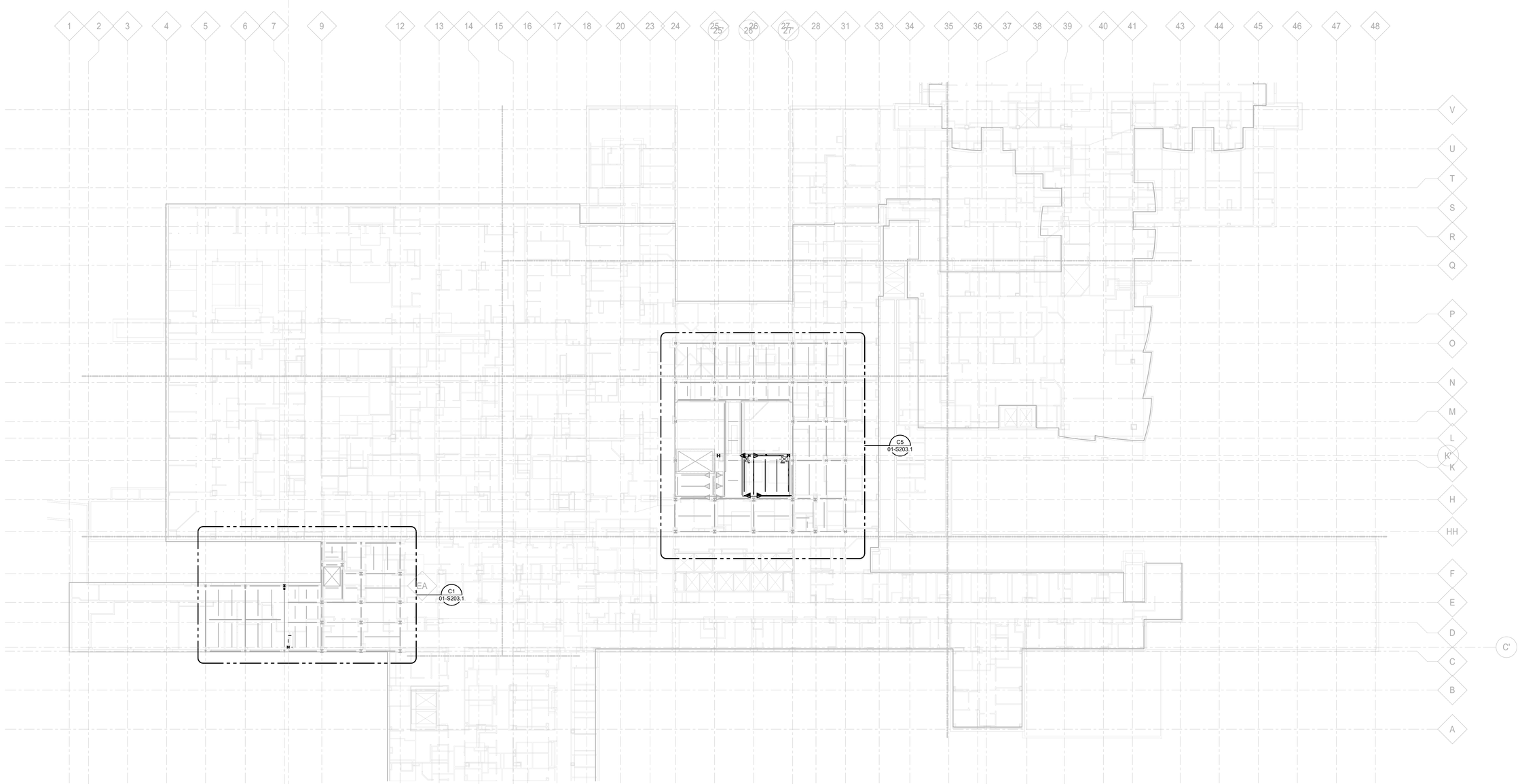

F5 OVERALL LEVEL 03 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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ARCHITECTURE | ENGINEERING | PLANNING

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: OVERALL LEVEL 03 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:		Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
	FULLY SPRINKLERED	Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S203.0
			SHEET 50 of 797

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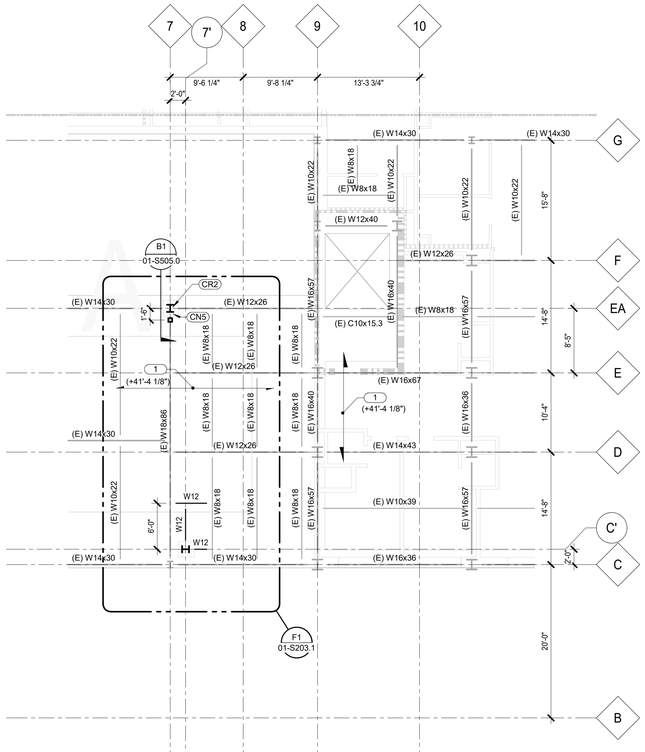
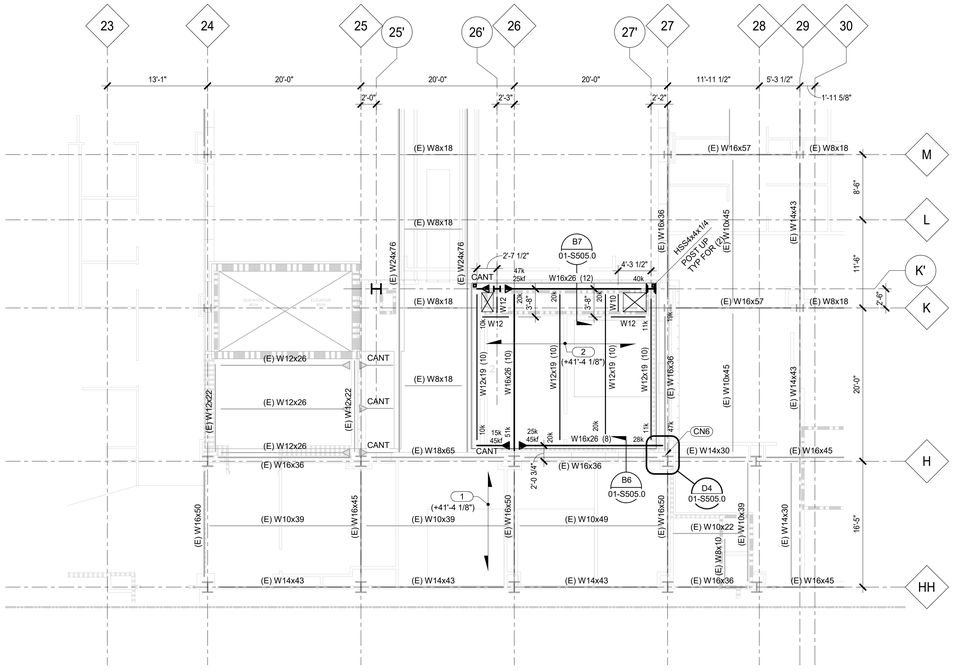
VA FORM 08 - 6231



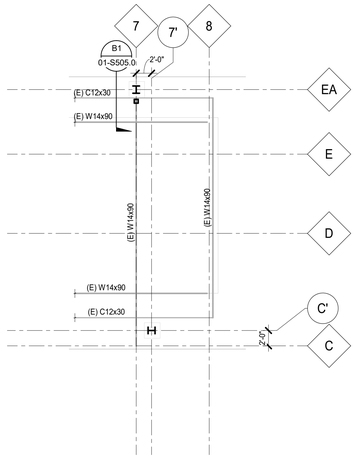
C1 LEVEL 03 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 LEVEL 03 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



F1 LEVEL 03 - WEST TOWER - DUNNAGE PLAN

1/8" = 1'-0"

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) 4" CONCRETE SLAB.
2. (N) 3 1/2" LW CONCRETE ON 2" 20GA COMPOSITE STEEL DECK, WITH W2.1xW2.1 WWR. TOTAL SLAB THICKNESS = 6 1/2". SEE PLAN FOR SHEAR STUD LAYOUT. T/SLAB IS TO MATCH EXISTING SLAB.

KEYNOTES:

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

PLAN NORTH

5 0 5 10 15 20
1/8" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 03 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S203.1
	SHEET 51 of 797

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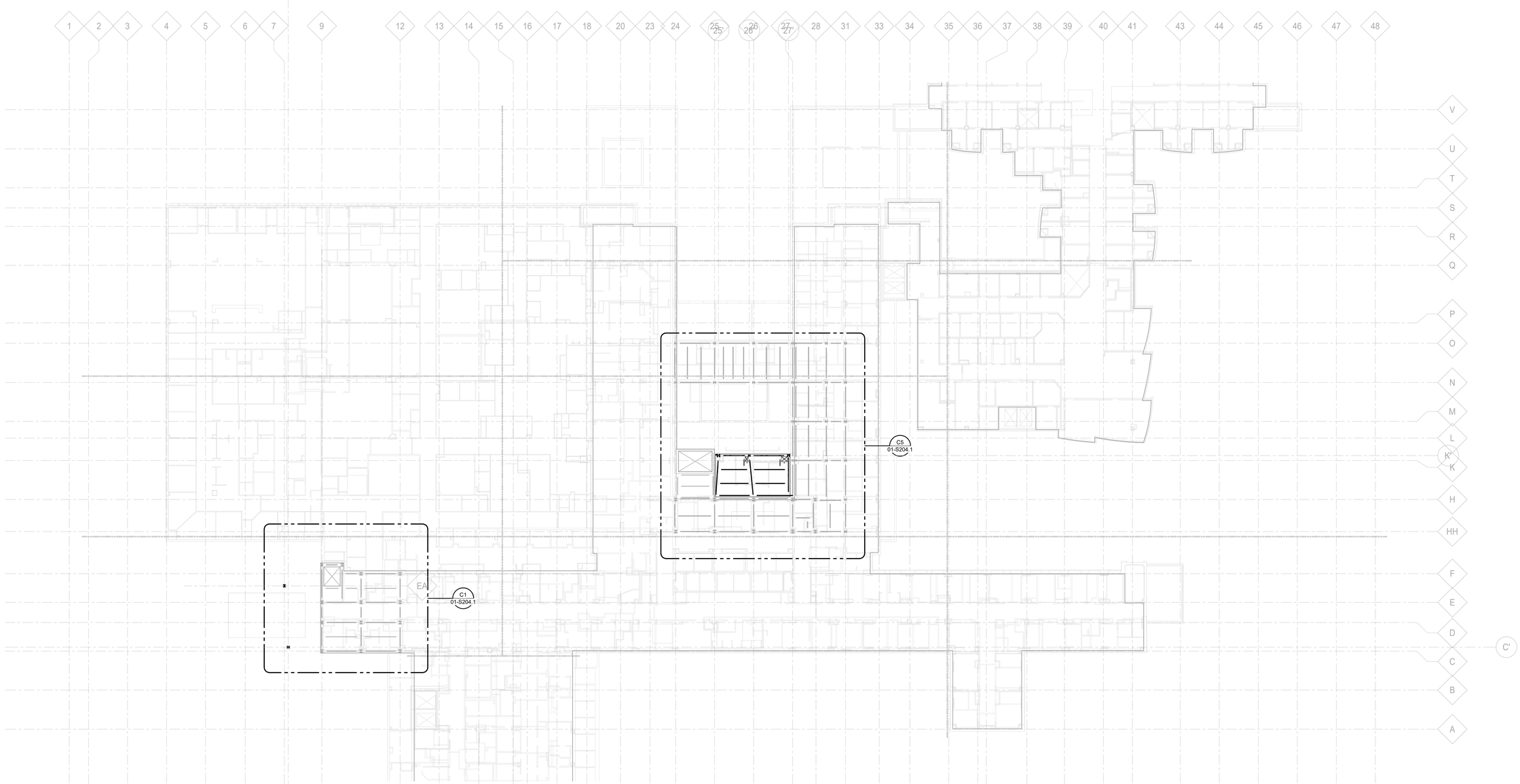

F5 OVERALL LEVEL 04 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30

3/64" = 1'-0"

SCALE FEET

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA
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Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: OVERALL LEVEL 04 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-S204.0
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	SHEET 52 of 797

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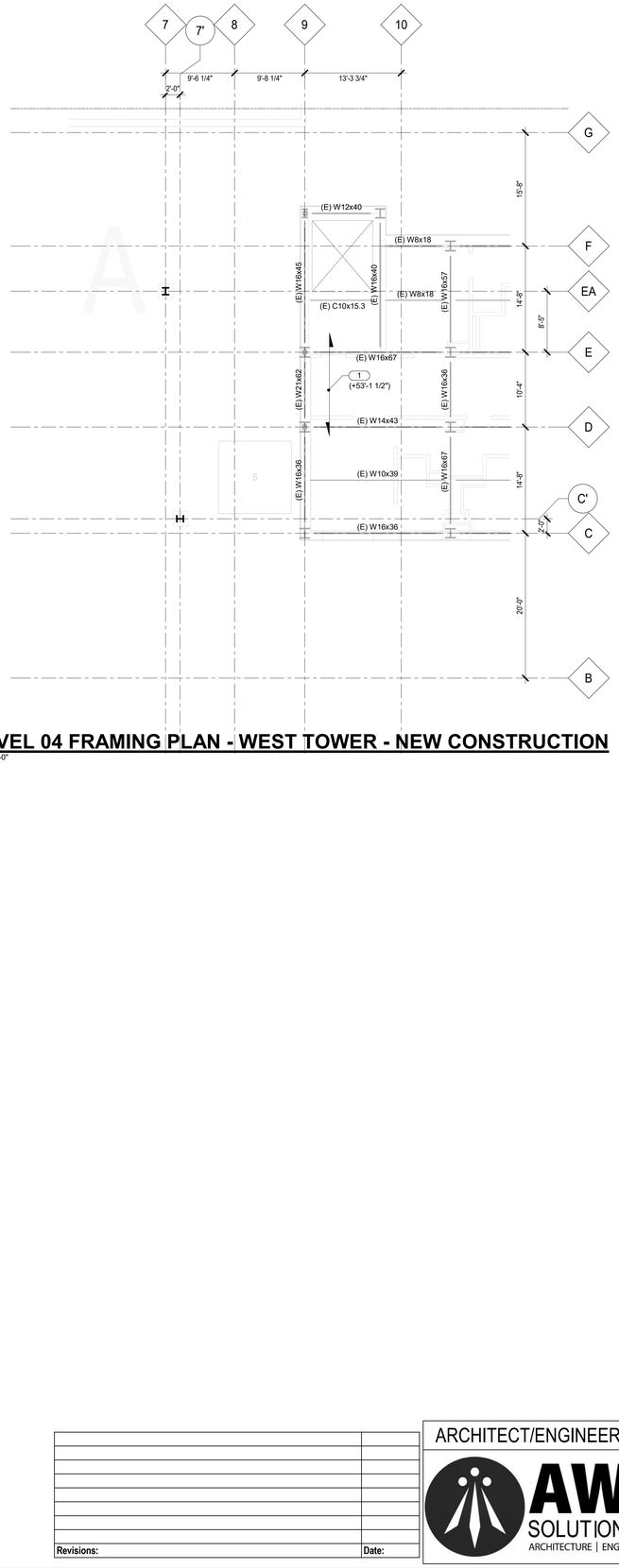
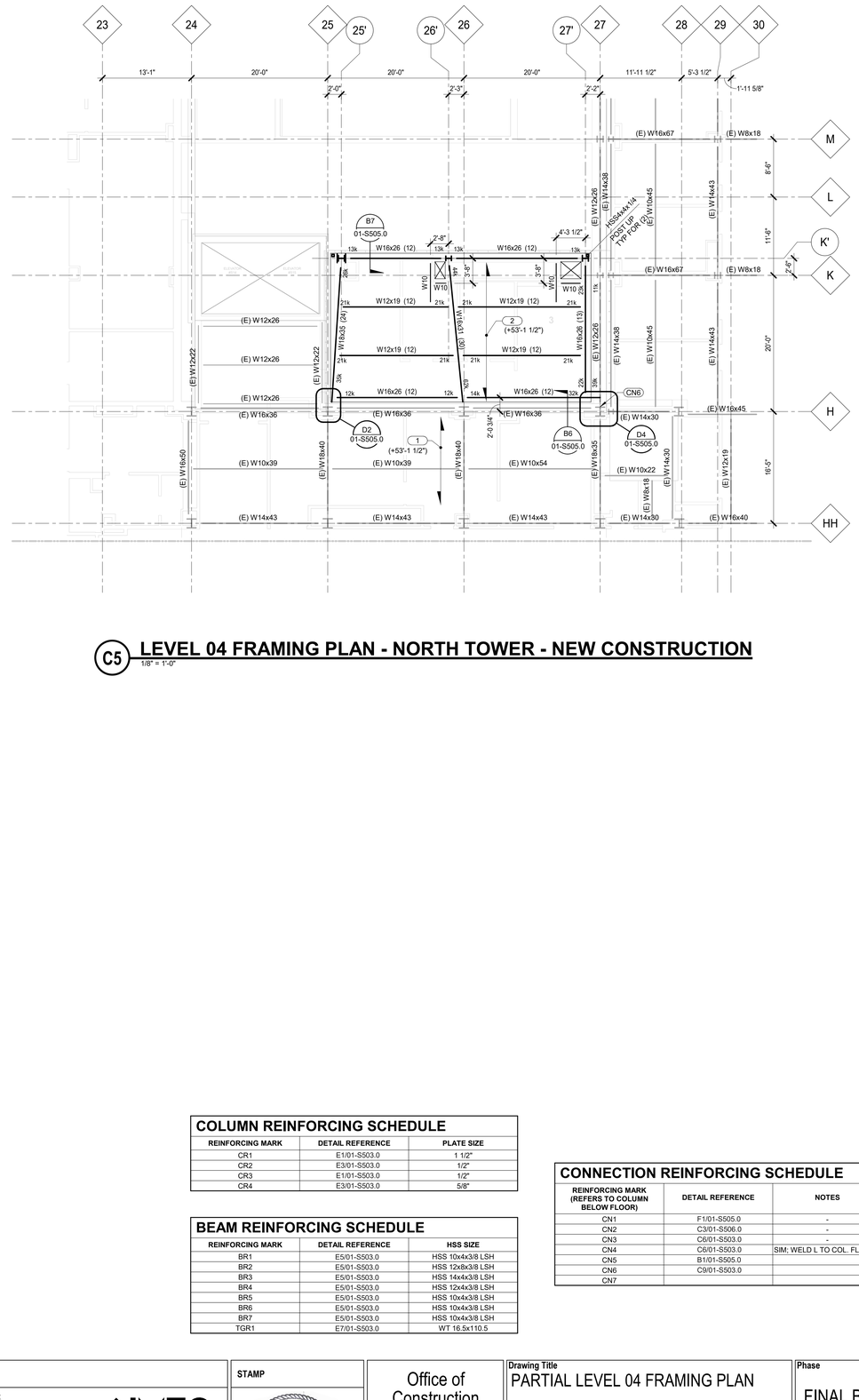


C1 LEVEL 04 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 LEVEL 04 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) 4" CONCRETE SLAB.
2. (N) 3 1/2" LW CONCRETE ON 2" 20GA COMPOSITE STEEL DECK, WITH W2.1xW2.1 WWR. TOTAL SLAB THICKNESS = 6 1/2". SEE PLAN FOR SHEAR STUD LAYOUT. T/SLAB IS TO MATCH EXISTING SLAB.

KEYNOTES:

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 04 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S204.1
	SHEET 53 of 797

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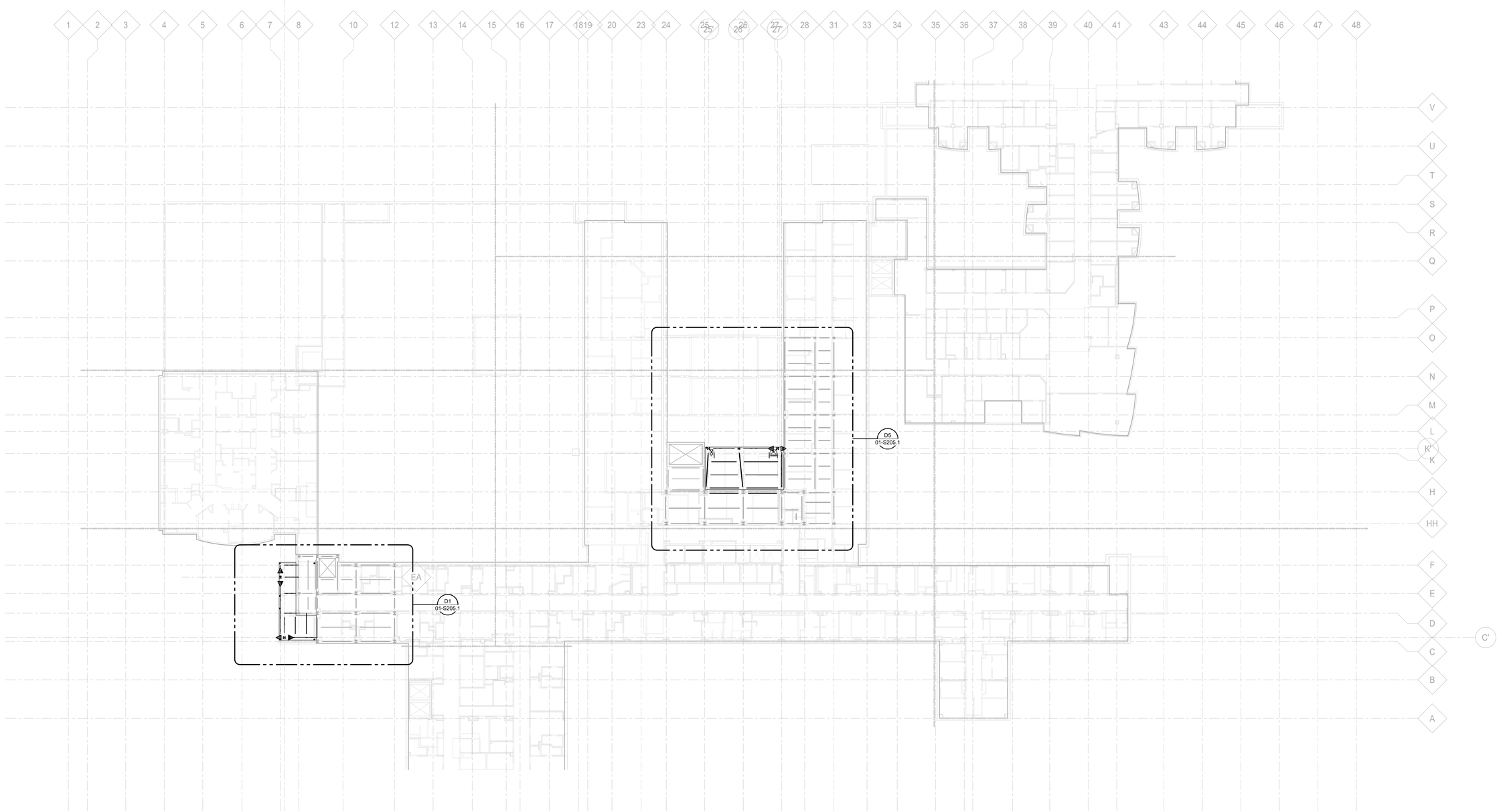

F5 OVERALL LEVEL 05 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: OVERALL LEVEL 05 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S205.0
			SHEET 54 of 797

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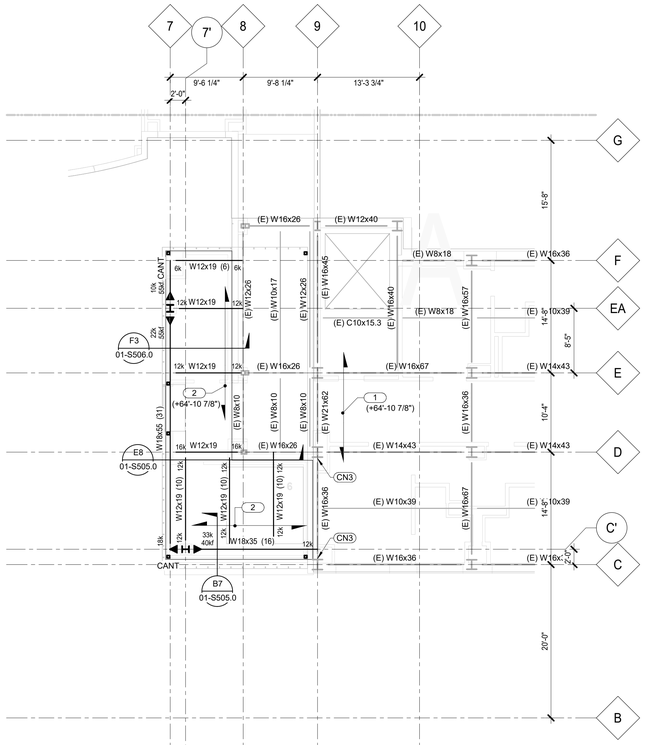
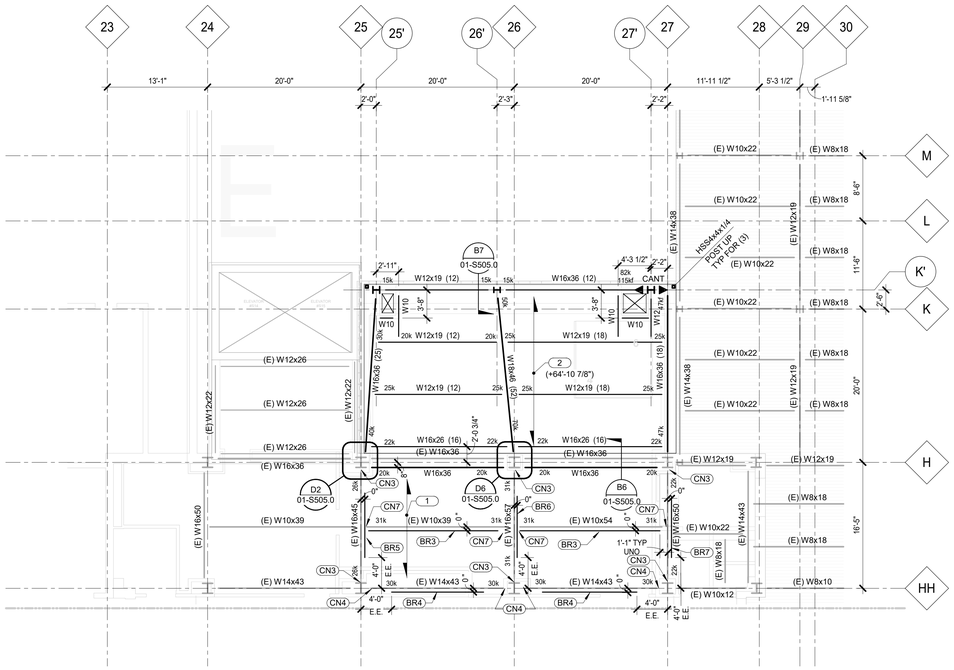


D1 LEVEL 05 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



D5 LEVEL 05 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) 4" CONCRETE SLAB.
2. (N) 3 1/2" LW CONCRETE ON 2" 20GA COMPOSITE STEEL DECK, WITH W2.1xW2.1 WWR. TOTAL SLAB THICKNESS = 6 1/2". SEE PLAN FOR SHEAR STUD LAYOUT. T/SLAB IS TO MATCH EXISTING SLAB.

KEYNOTES:

PLAN NORTH

5 0 5 10 15 20
1/8" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 05 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S205.1
	SHEET 55 of 797

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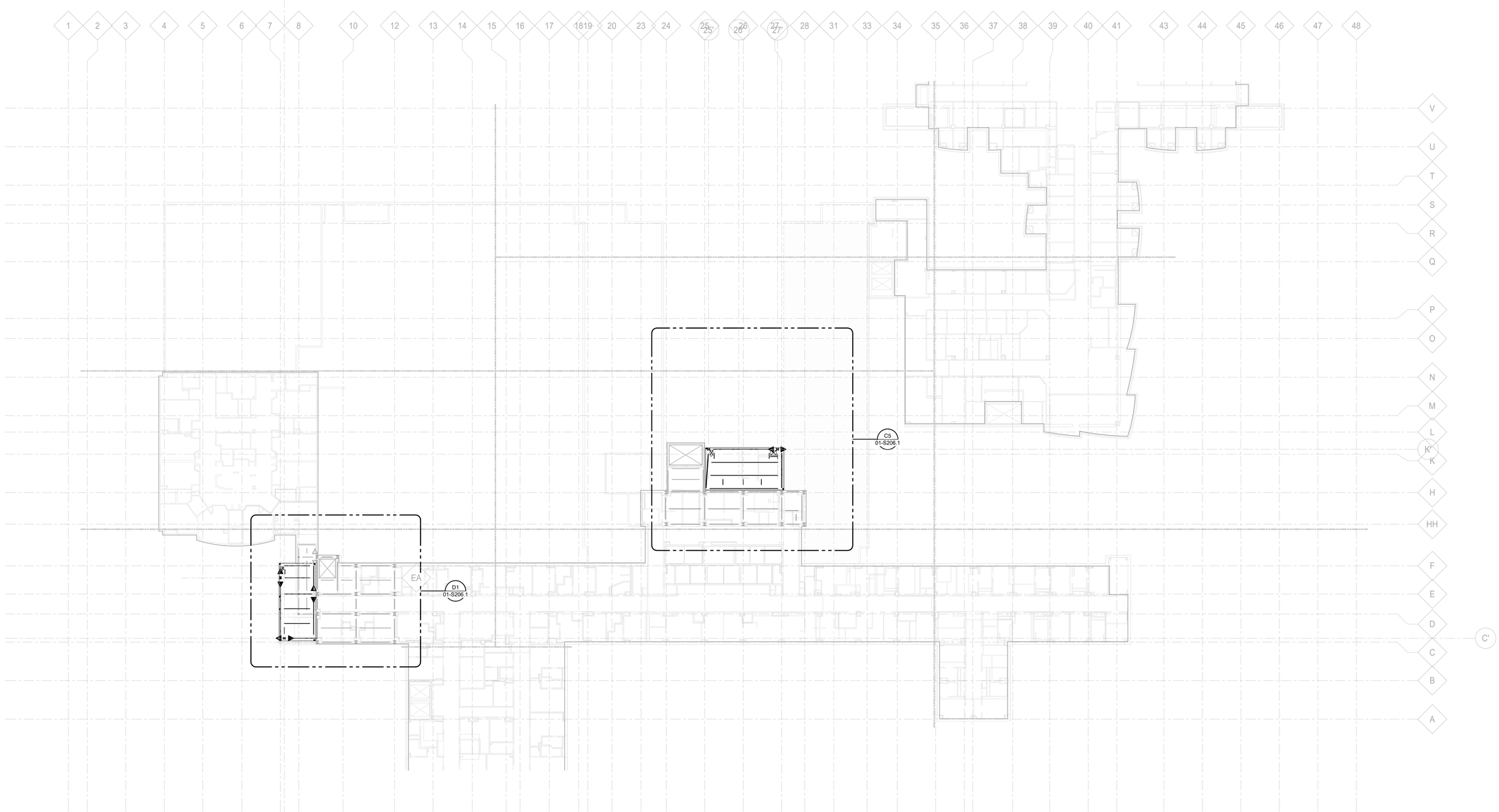

F5 OVERALL LEVEL 06 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
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Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: OVERALL LEVEL 06 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:		Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
	FULLY SPRINKLERED	Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S206.0
			SHEET 56 of 797

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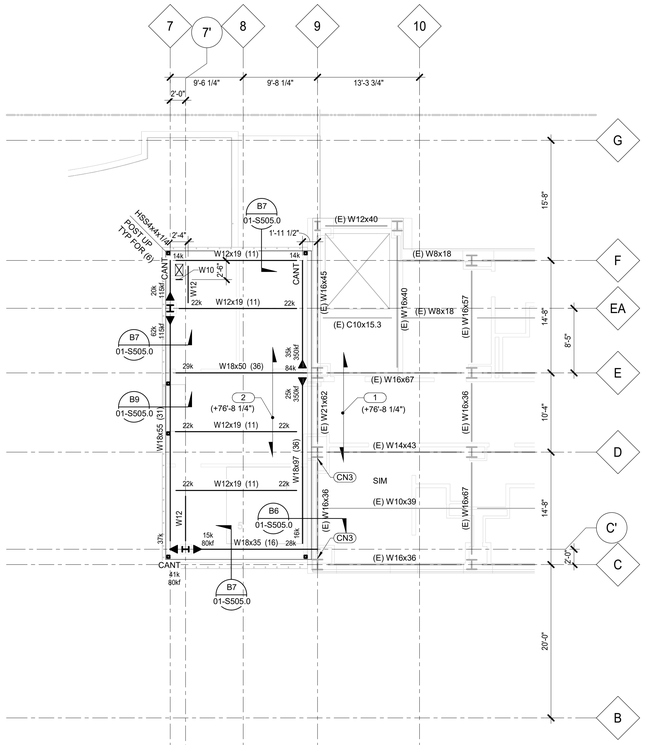
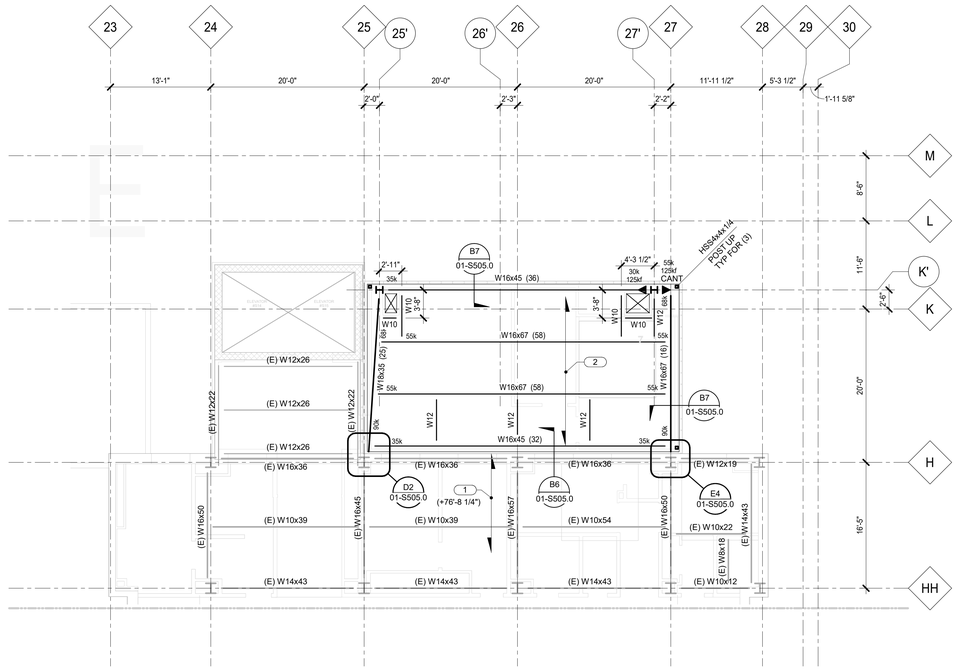


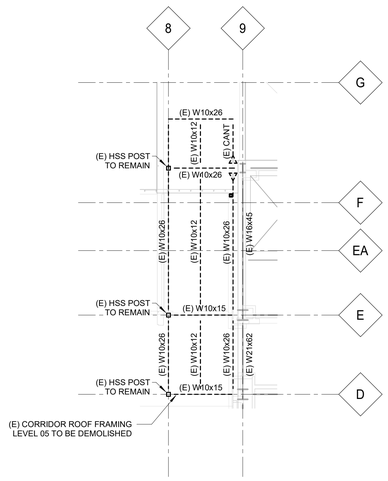
D1 LEVEL 06 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 LEVEL 06 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



F1 LEVEL 06 - PARTIAL DEMOLITION PLAN

1/8" = 1'-0"

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
2. SEE GENERAL NOTES SECTIONS FOR ADDITIONAL INFORMATION.
3. CONTRACTOR VERIFY ALL DIMENSIONS WITH ARCH DRAWINGS.

KEY NOTES:

1. (E) 4" CONCRETE SLAB.
2. (N) 3 1/2" LW CONCRETE ON 2" 20GA COMPOSITE STEEL DECK, WITH W2.1xW2.1 WWR. TOTAL SLAB THICKNESS = 6 1/2". SEE PLAN FOR SHEAR STUD LAYOUT. T/SLAB IS TO MATCH EXISTING SLAB.

KEYNOTES:

PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 06 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S206.1
	SHEET 57 of 797

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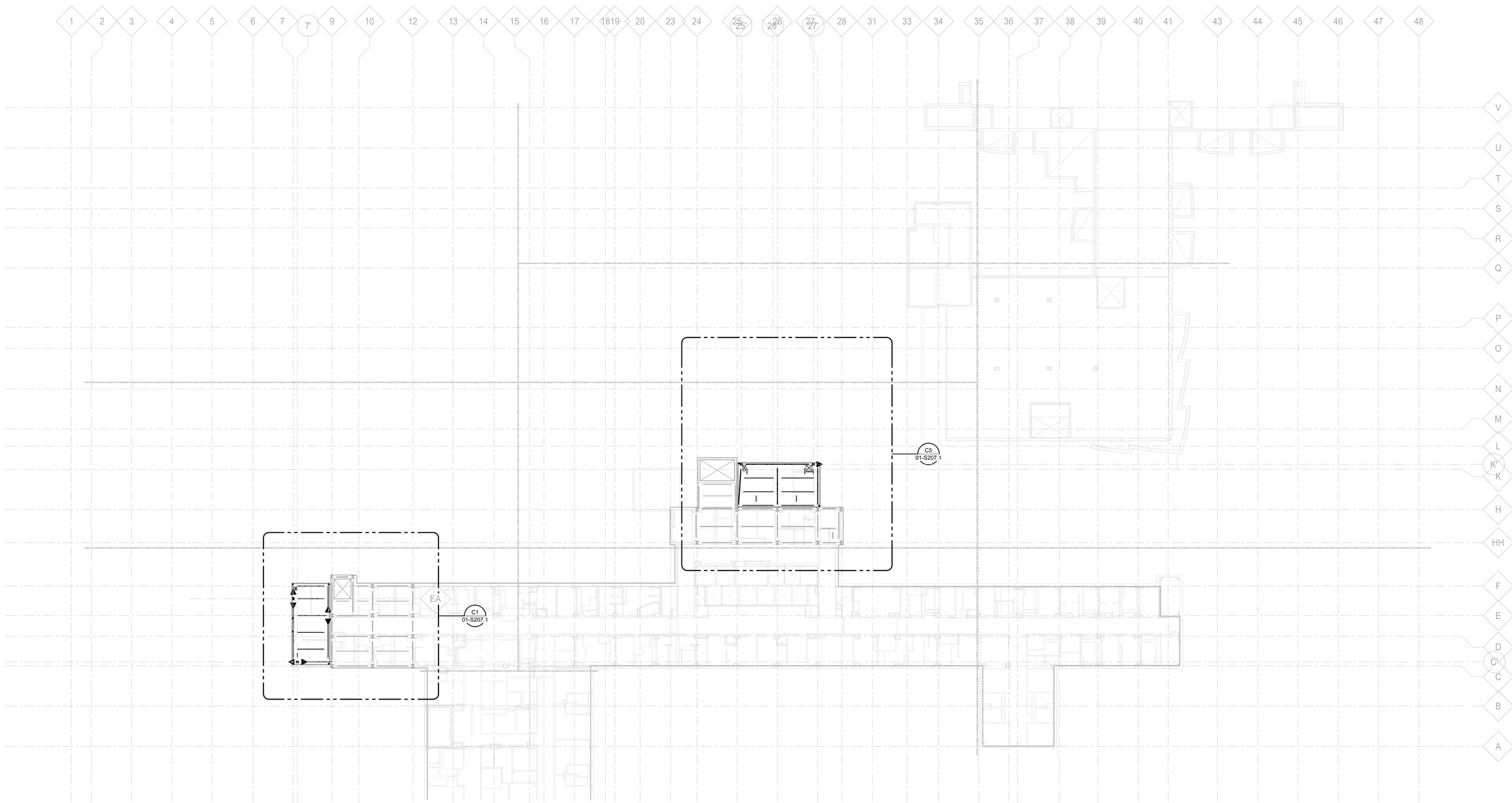

F5 OVERALL LEVEL 07-11 PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: OVERALL LEVEL 07-11 FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S207.0
			SHEET 58 of 797

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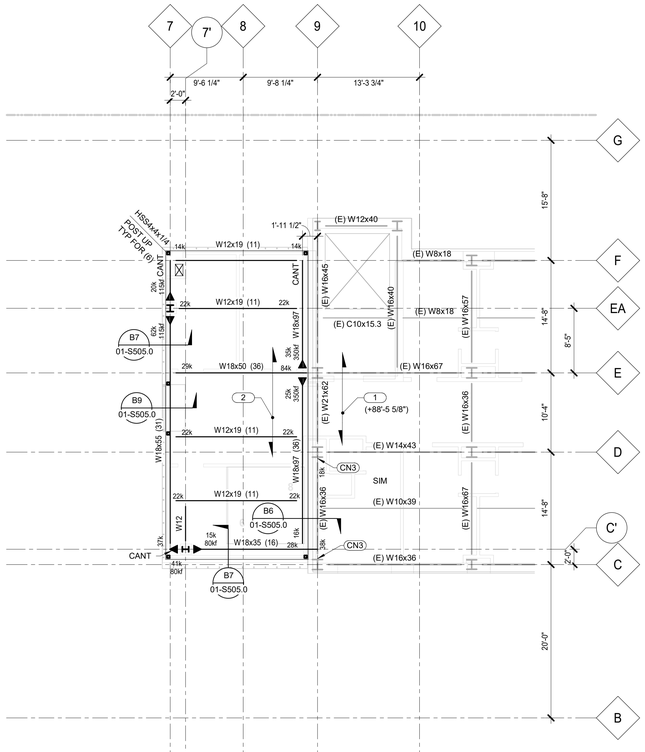
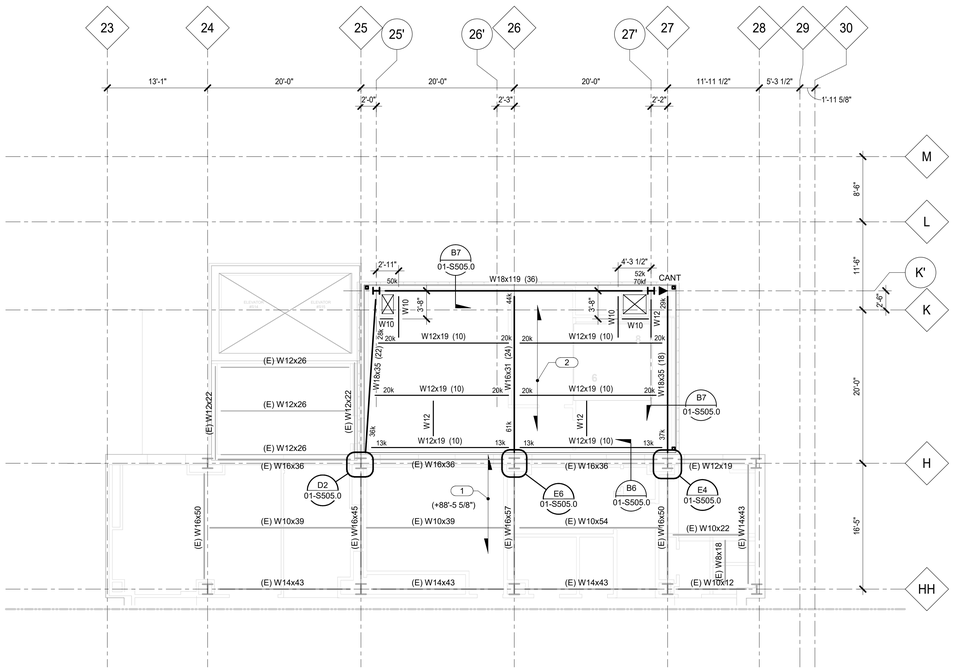


C1 LEVEL 07-11 FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION

1/8" = 1'-0"



C5 LEVEL 07-11 FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION

1/8" = 1'-0"

COLUMN REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	PLATE SIZE
CR1	E1/01-S503.0	1 1/2"
CR2	E3/01-S503.0	1/2"
CR3	E1/01-S503.0	1/2"
CR4	E3/01-S503.0	5/8"

BEAM REINFORCING SCHEDULE

REINFORCING MARK	DETAIL REFERENCE	HSS SIZE
BR1	E5/01-S503.0	HSS 10x4x3/8 LSH
BR2	E5/01-S503.0	HSS 12x8x3/8 LSH
BR3	E5/01-S503.0	HSS 14x4x3/8 LSH
BR4	E5/01-S503.0	HSS 12x4x3/8 LSH
BR5	E5/01-S503.0	HSS 10x4x3/8 LSH
BR6	E5/01-S503.0	HSS 10x4x3/8 LSH
BR7	E5/01-S503.0	HSS 10x4x3/8 LSH
TGR1	E7/01-S503.0	WT 16.5x110.5

CONNECTION REINFORCING SCHEDULE

REINFORCING MARK (REFERS TO COLUMN BELOW FLOOR)	DETAIL REFERENCE	NOTES
CN1	F1/01-S505.0	-
CN2	C3/01-S506.0	-
CN3	C6/01-S503.0	-
CN4	C6/01-S503.0	SIM; WELD L TO COL. FLANGES
CN5	B1/01-S505.0	
CN6	C9/01-S503.0	
CN7		

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

1. ELEVATIONS ARE BASED ON THE GROUND FLOOR ELEVATION OF (+0'-0") WHICH IS EQUIVALENT TO CIVIL ELEVATION (1163.552).
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KEYNOTES:

PLAN NORTH

5 0 5 10 15 20

1/8" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title	PARTIAL LEVEL 07-11 FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S207.1
	SHEET 59 of 797

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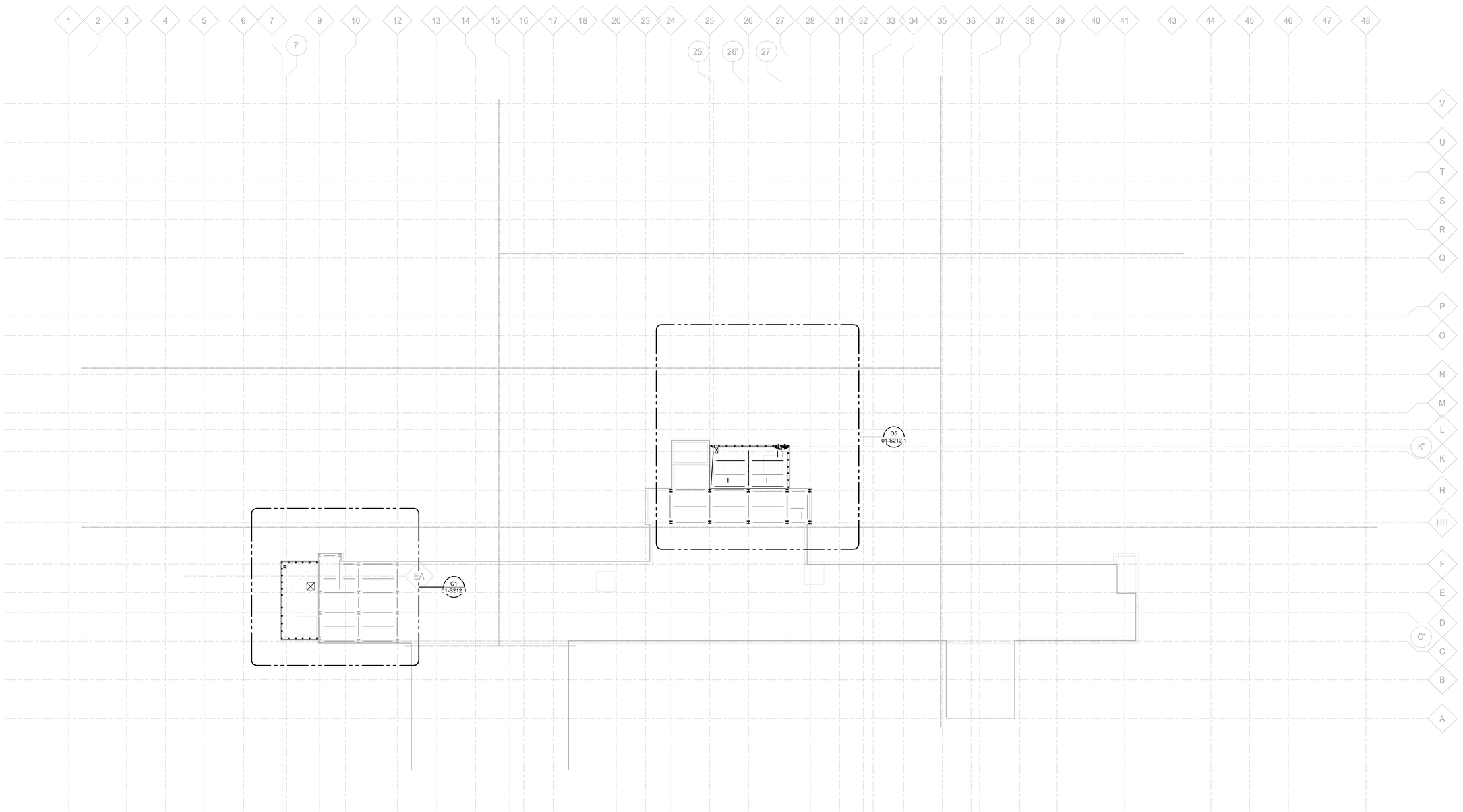

F5 OVERALL ROOF PLAN

3/64" = 1'-0"

PLAN NORTH

5 0 5 10 15 20 25 30

3/64" = 1'-0"

SCALE FEET

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA
REGISTERED
LEA M. COSENZA
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No. PE090378

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: OVERALL ROOF LEVEL FRAMING PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-S212.0
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	SHEET 60 of 797

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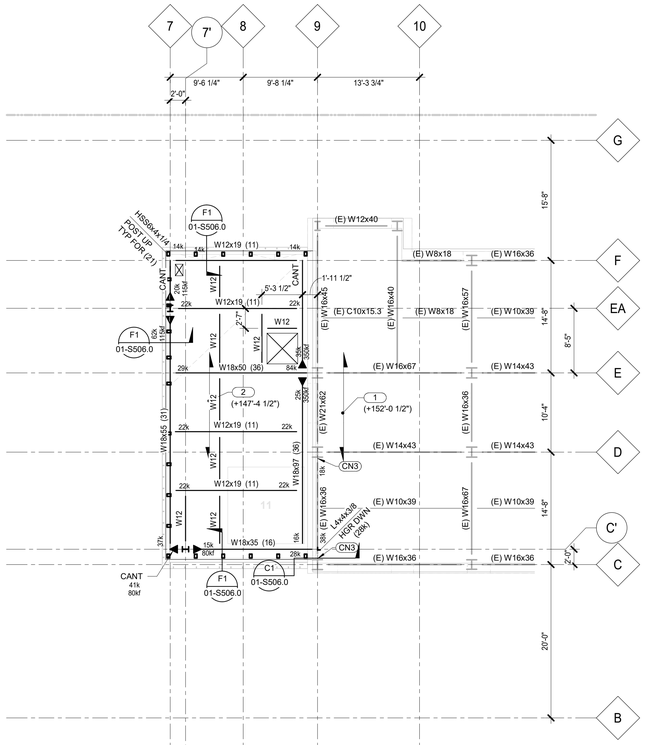
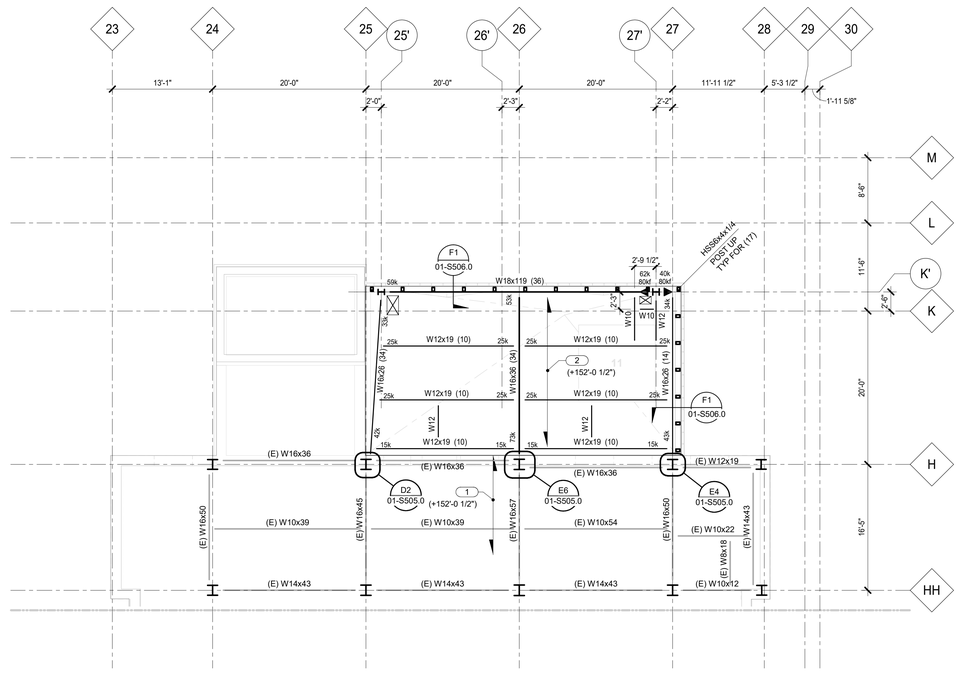


C1 **ROOF FRAMING PLAN - WEST TOWER - NEW CONSTRUCTION**
1/8" = 1'-0"



D5 **ROOF FRAMING PLAN - NORTH TOWER - NEW CONSTRUCTION**
1/8" = 1'-0"

GENERAL NOTES:

GENERAL FOUNDATION SHEET NOTES:

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KEYNOTES:

PLAN NORTH

1/8" = 1'-0" SCALE: 5 0 5 10 15 20 FEET

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PARTIAL ROOF FRAMING PLAN
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S212.1
	SHEET 61 of 797

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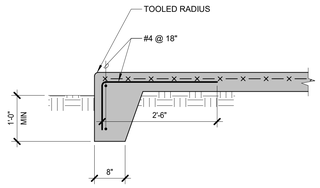
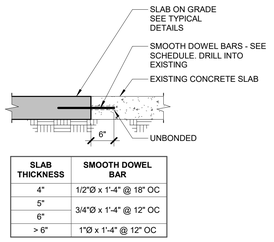
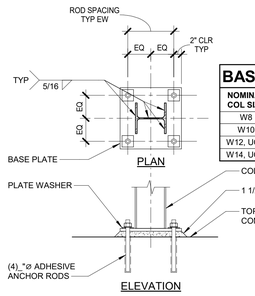




SLAB THICKNESS	SMOOTH DOWEL BAR
4"	1/2"Ø x 1'-4" @ 18" OC
5"	3/4"Ø x 1'-4" @ 12" OC
6"	
> 6"	1"Ø x 1'-4" @ 12" OC

SEE AISC MANUAL PART 14 FOR REQD BASE PLATE HOLE AND PLATE WASHER DIMENSIONS



BASE PLATE

NOMINAL COL SIZE	ROD SPACING	BASE PLATE SIZE
W8	1'-0"	PL_"x16"x1'-4"
W10	1'-2"	PL_"x18"x1'-6"
W12, UON	1'-4"	PL_"x20"x1'-8"
W14, UON	1'-8"	PL_"x22"x1'-10"

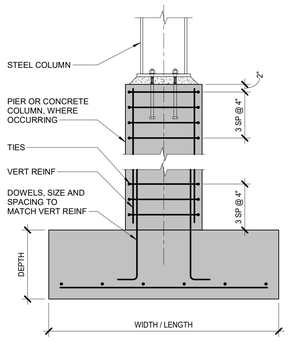
B1 EDGE OF SLAB DETAIL
3/4" = 1'-0"
2021-06

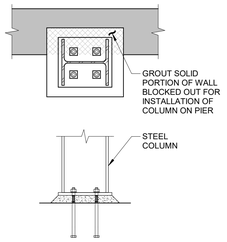
B3 NEW TO EXISTING SLAB DETAIL
3/4" = 1'-0"

B4 WF COLUMN BASE PLATE AT EXISTING
3/4" = 1'-0"
5100-04

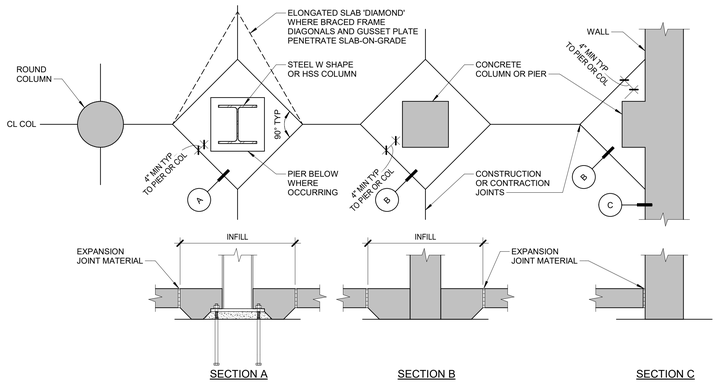
SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF4.0-10.0	10'-0"	4'-0"	2'-2"	#10@6"	#6@6"
SF8.0	8'-0"	8'-0"	2'-4"	19#7	19#7
SF8.5	9'-6"	9'-6"	2'-8"	#8@6"	#8@6"
SF21.5-8.0	21'-6"	8'-0"	3'-0"	#9@6" T; #7@6" B	#6@6" T&B





NOTES:
1. WHERE CONCRETE WALLS BEAR ON THE FOOTING, INSTALL WALL DOWELS INTO THE FOOTING.
2. INSTALL INTERSECTING WALL FOOTING REINF CONT THROUGH SPREAD FOOTING.



CLASS B TENSION LAP SPLICE LENGTH

REINF STEEL, Fy	BAR SIZE	BAR LOCATION	CONCRETE STRENGTH, f'c						
			3 KSI	4 KSI	5 KSI	6 KSI	7 KSI	8 KSI	9 KSI	10 KSI
60 KSI	#3	TOP	2'-4"	2'-1"	1'-10"	1'-8"	1'-7"	1'-6"	1'-5"	1'-4"
		OTHER	1'-10"	1'-7"	1'-5"	1'-4"	1'-3"	1'-2"	1'-1"	1'-0"
	#4	TOP	3'-2"	2'-9"	2'-5"	2'-3"	2'-1"	1'-11"	1'-10"	1'-9"
		OTHER	2'-5"	2'-1"	1'-11"	1'-9"	1'-7"	1'-6"	1'-5"	1'-4"
	#5	TOP	3'-11"	3'-5"	3'-0"	2'-9"	2'-7"	2'-5"	2'-3"	2'-2"
		OTHER	3'-0"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"	1'-9"	1'-8"
	#6	TOP	4'-8"	4'-1"	3'-8"	3'-4"	3'-1"	2'-11"	2'-9"	2'-7"
		OTHER	3'-7"	3'-1"	2'-10"	2'-7"	2'-4"	2'-3"	2'-1"	2'-0"
	#7	TOP	6'-9"	5'-11"	5'-3"	4'-10"	4'-6"	4'-2"	3'-11"	3'-9"
		OTHER	5'-3"	4'-6"	4'-1"	3'-9"	3'-5"	3'-3"	3'-0"	2'-11"
	#8	TOP	7'-9"	6'-9"	6'-0"	5'-6"	5'-1"	4'-9"	4'-6"	4'-3"
		OTHER	6'-0"	5'-2"	4'-8"	4'-3"	3'-11"	3'-8"	3'-6"	3'-3"
	#9	TOP	8'-9"	7'-7"	6'-9"	6'-2"	5'-9"	5'-4"	5'-1"	4'-10"
		OTHER	6'-9"	5'-10"	5'-3"	4'-9"	4'-5"	4'-2"	3'-11"	3'-8"
	#10	TOP	9'-10"	8'-6"	7'-8"	7'-0"	6'-5"	6'-0"	5'-8"	5'-5"
		OTHER	7'-7"	6'-7"	5'-11"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"
	#11	TOP	10'-11"	9'-6"	8'-6"	7'-9"	7'-2"	6'-8"	6'-4"	6'-0"
		OTHER	8'-5"	7'-3"	6'-6"	5'-11"	5'-6"	5'-2"	4'-10"	4'-7"

NOTES:
1. SPLICE LENGTHS SHOWN ARE APPLICABLE FOR SPLICES OCCURRING UNDER THE FOLLOWING CONDITIONS.
   A. NORMAL-WEIGHT CONCRETE
   B. MIN BAR SPACING REQUIREMENTS:
      a. CLEAR SPACING BETWEEN BARS AT SPLICE LOCATION > BAR DIAMETER, CLEAR COVER TO BARS ≥ BAR DIAMETER, AND TIES OR STIRRUPS OCCUR PER CODE SPACING WITHIN LENGTH OF SPLICE; OR
      b. CLEAR SPACING BETWEEN BARS AT SPLICE ≥ 2 x BAR DIAMETER AND CLEAR COVER > BAR DIAMETER
2. INDICATED SPLICE LENGTHS SHALL BE INCREASED BY THE LISTED FACTORS WHERE THE FOLLOWING CONDITIONS EXIST.

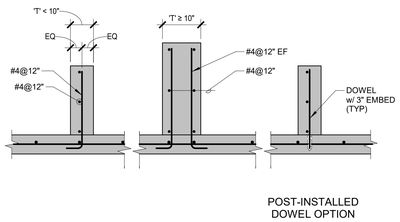
CONDITION	SPLICE LENGTH MULTIPLIER*
A. BAR SPACING OR CLEAR COVER IS LESS THAN REQUIRED PER NOTE 1	1.5
B. LIGHTWEIGHT CONCRETE	1.3
C. EPOXY COATED REINF WITH COVER < 3 x BAR DIAMETER OR CLEAR SPACING < 6 x BAR DIAMETER	1.5
D. ALL OTHER EPOXY COATED BARS	1.2

   *WHERE MULTIPLE CONDITIONS EXIST, APPLY EACH OF THE APPLICABLE FACTORS TO THE TABULATED TENSION LAP SPLICE LENGTH TO OBTAIN THE REQUIRED SPLICE LENGTH.
3. TOP BARS ARE HORIZ BARS LOCATED WHERE MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BARS.
4. USE SMALLER BAR SIZE TO DETERMINE LENGTH WHERE SPLICING BARS OF DIFFERENT SIZES.

D1 SPREAD FOOTING SUPPORTING STEEL COLUMN ON PIER
3/4" = 1'-0"
2200-05

D4 SLAB-ON-GRADE JOINTS AT COLUMNS / PIERS / WALLS
3/4" = 1'-0"
2010-03

D7 CLASS B TENSION LAP SPLICE LENGTHS
3/4" = 1'-0"
3010-01



NOTES:
1. SILL WALL ON SLAB-ON-GRADE SHOWN. SILL WALL ON FRAMED SLAB SIM.
2. LOCATE SLAB REINF PRIOR TO DRILLING HOLES TO AVOID DAMAGING REINF.

F1 SILL WALL
3/4" = 1'-0"
2020-05

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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PROJECT #23002251.00

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COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
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No. PE090578

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: TYPICAL FOUNDATION SECTIONS AND SCHEDULES	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS		Project Number: 646-22-700
		Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240		Drawing Number: 01-S300.0
Issue Date: 06/13/2025	Checked: ARL / Drawn: JAD	SHEET 62 of 797

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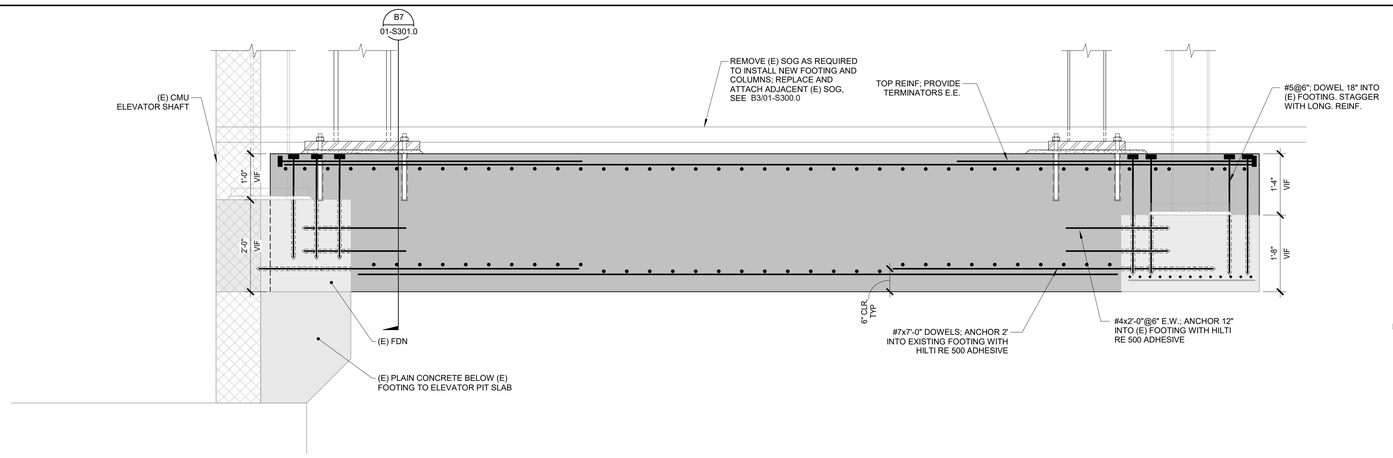
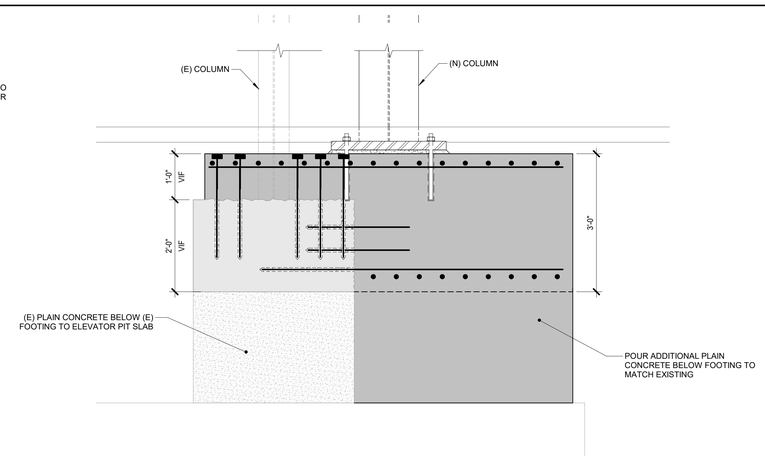
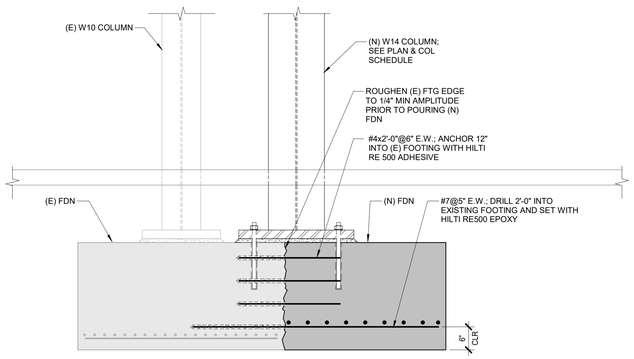
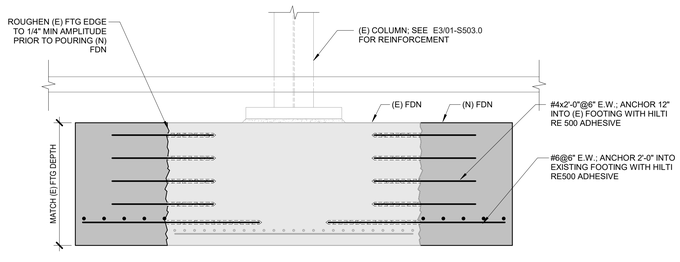


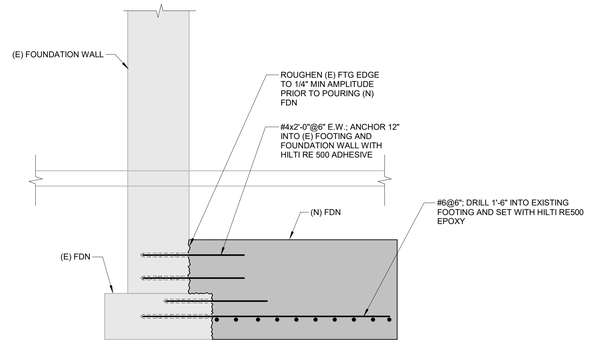
B1 COMBINED FOOTING - K/25 AND K/26
3/4" = 1'-0"



B7 COMBINED FOOTING - K/25 DETAIL
3/4" = 1'-0"



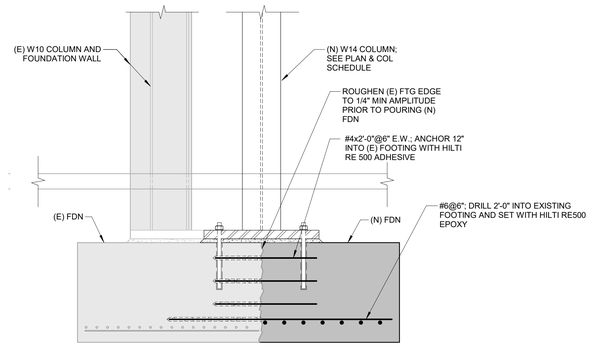




D1 FOUNDATION ENLARGEMENT - K/27
3/4" = 1'-0"

D3 FOUNDATION ENLARGEMENT - E/7
3/4" = 1'-0"

D6 FOUNDATION ENLARGEMENT - C/8
3/4" = 1'-0"



PLAN NORTH

F1 FOUNDATION ENLARGEMENT - C/8 @ COL
3/4" = 1'-0"

Revisions:	Date:

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ENGINEER
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOUNDATION SECTIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S301.0
			SHEET 63 of 797

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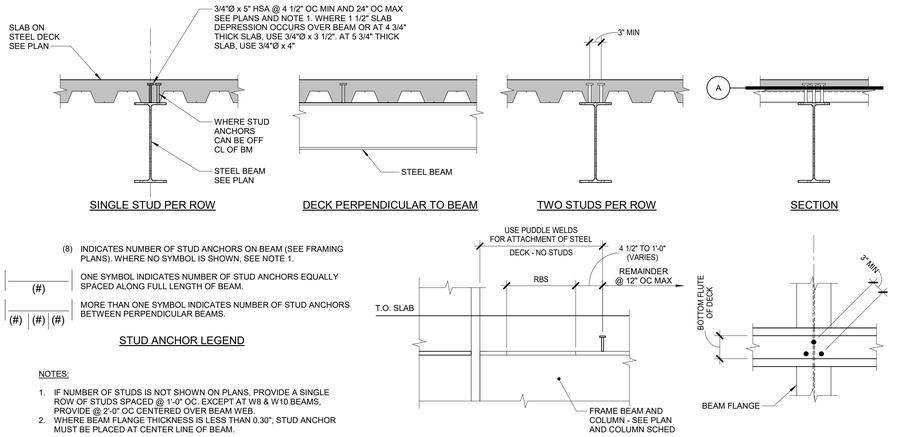
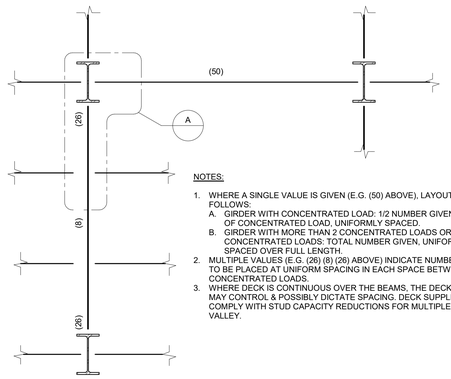


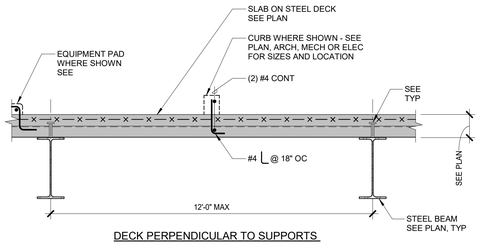
C1 SHEAR STUD LAYOUT DETAILS

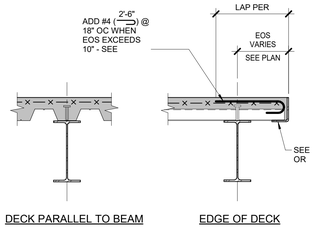
3/4" = 1'-0"
S_S-100



C6 SHEAR STUD LAYOUT DETAILS

3/4" = 1'-0"
S_S-101

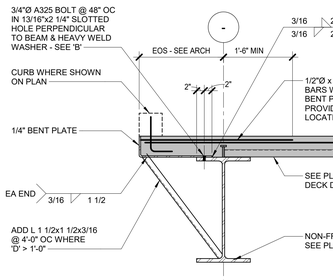


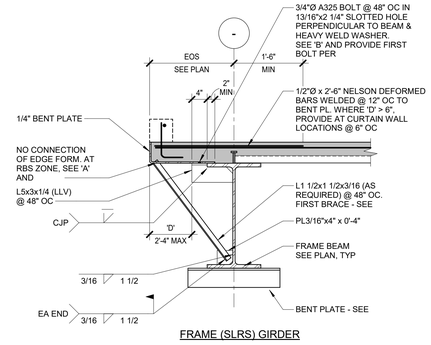


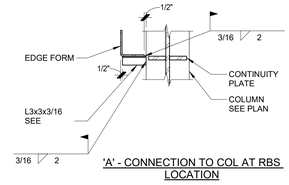
NOTES:
1. NO CONDUITS ALLOWED IN SLAB.
2. FOR TYP CONSTRUCTION JOINT DETAIL, SEE
3. SEE GENERAL NOTES FOR ADDITIONAL DECK INFORMATION.
4. FOR DECK SUPPORT AT COLUMNS, SEE
5. FOR TYP SLAB OPENING DETAILS, SEE AND .

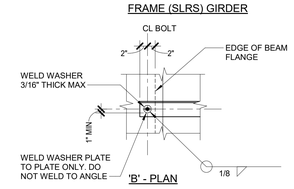
E1 TYPICAL CONCRETE SLAB ON STEEL DECK DETAILS

3/4" = 1'-0"
S_S-102B









E5 TYPICAL EXTERIOR SLAB EDGE DETAIL

3/4" = 1'-0"
S_S-104A

Revisions:	Date:

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LEA M. COSENZA
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No. PE093078

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TYPICAL STEEL SECTIONS AND SCHEDULES	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS			Project Number: 646-22-700
			Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240			Drawing Number: 01-S500.0
Issue Date: 06/13/2025	Checked: ARL	Drawn: JAD	SHEET 64 of 797

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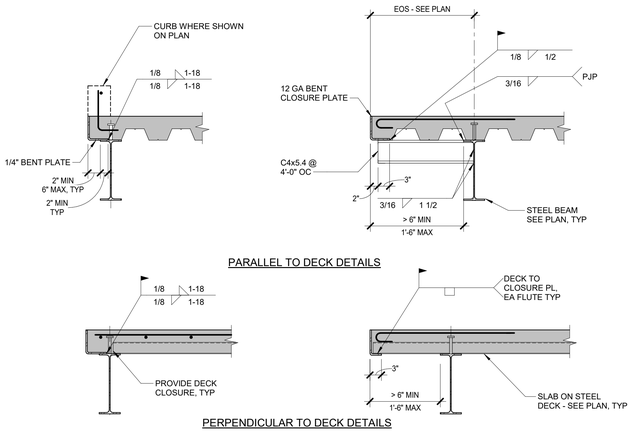
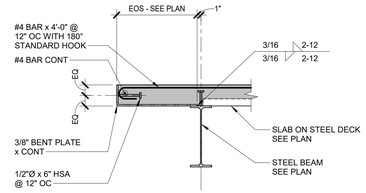


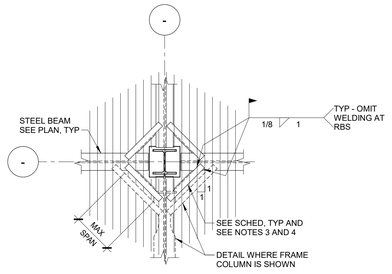
B1 TYPICAL INTERIOR SLAB EDGE DETAILS

3/4" = 1'-0"
S_S-105B

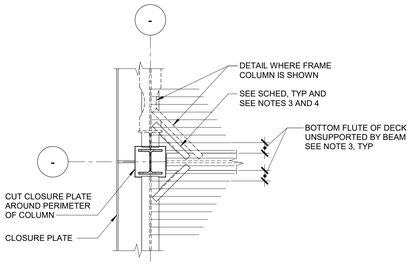


B3 REINFORCED SLAB EDGE DETAIL

3/4" = 1'-0"
S_S-113



DECK OPENING AT INTERIOR COLUMN



DECK OPENING AT EXTERIOR COLUMN

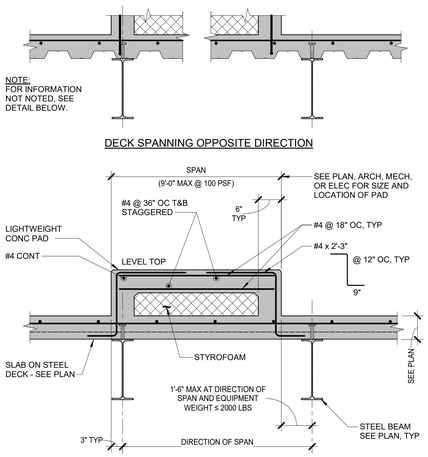
SPAN	SUPPORT
2'-0"	L2 1/2x2 1/2x1/4
3'-0"	L4x4x1/4
4'-0"	L4x4x5/16

NOTES:

1. CONCRETE SHALL BE PLACED TIGHT ALL AROUND COLUMN.
2. PROVIDE SHEET METAL CLOSURE AS REQUIRED TO PREVENT CONCRETE LEAKAGE.
3. PROVIDE ANGLE WHERE COLUMN INTERRUPTS BOTTOM FLUTE OF DECK SUCH THAT IT IS UNSUPPORTED BY A BEAM.
4. COORDINATE ANGLE LOCATION WITH MEP UTILITIES.

B6 FLOOR DECK SUPPORT AT COLUMN

3/4" = 1'-0"
S_S-115

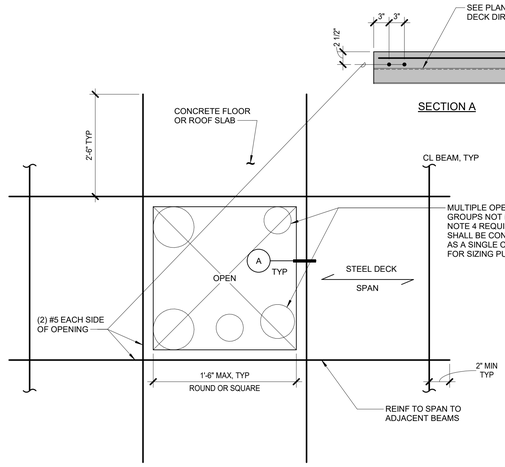


NOTES (ALTERNATE DETAIL):

1. WHERE NEW HOUSEKEEPING PAD OCCURS ON (E) SLAB, INSTALL REBAR USING EPOXY PER MANUF AND APPROVED ICC REPORT.
2. SEE MECHANICAL AND ELECTRICAL DWGS FOR THE FOLLOWING:
   A. LOCATION AND SIZE OF ANCHOR BOLTS.
   B. DETAILS OF SUPPORTS, ISOLATORS OR OTHERS.
3. SEE PLAN FOR MAX WEIGHT OF EQUIPMENT, UON.

C9 SLAB ON DECK EQUIPMENT PAD

3/4" = 1'-0"
S_S-116

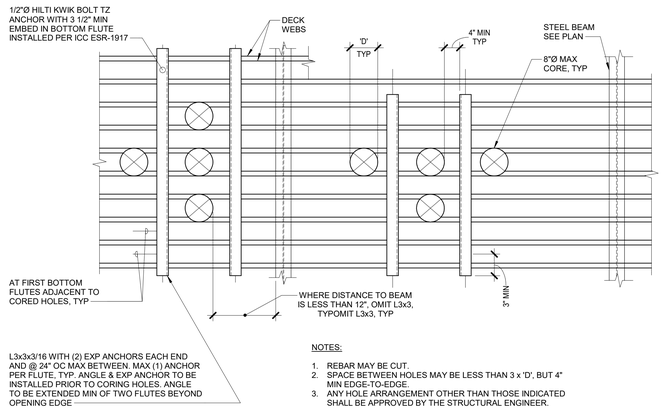


NOTES:

1. FOR OPENING LOCATION AND SIZE, SEE PLAN, ARCH, MECHANICAL, OR ELECTRICAL.
2. FOR OPENINGS UNDER 8", NO REINF IS REQUIRED.
3. IF STEEL DECK IS USED, DO NOT REMOVE DECK WITHIN OPENING UNTIL CONCRETE SLAB HAS SET 14 DAYS MIN, EXCEPT AS NOTED IN NOTES 9 & 10.
4. SPACING BETWEEN OPENINGS SHALL NOT BE LESS THAN THREE TIMES THE OPENING SIZE, EDGE-TO-EDGE BASED ON THE LARGER OF DIFFERENT SIZE OPENINGS.
5. FOR OPENINGS LARGER THAN INDICATED, PROVIDE REINF SHOWN AND FRAMING PER AND UON.
6. ALL OPENINGS SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS, OR APPROVED BY THE STRUCTURAL ENGINEER.
7. THE SLAB MAY EXTEND ALL AROUND MULTIPLE OPENING GROUPS RATHER THAN PROVIDING A LARGER, BLOCKED OUT SINGLE OPENING AT THE CONTRACTOR'S OPTION. EXTEND THE TYP SLAB REINF THROUGH WHEREVER POSSIBLE, AS WELL AS PROVIDING THE TRIM BARS AROUND THE GROUP.
8. BOXED OUT RECESSES IN THE SLAB SHALL BE TREATED AS SLAB OPENINGS.
9. OPENINGS MAY BE CUT IN THE STEEL DECK, WITHOUT ADDITIONAL REINF PRIOR TO CONCRETE PLACEMENT AS FOLLOWS:
   A. AN INDIVIDUAL SLOT, NOT EXCEEDING 1'-6" LONG MAY BE CUT IN THE BOTTOM, HORIZ PORTION OF THE DECK, PROVIDING NO PORTION OF VERT DECK WEB IS CUT.
   B. AN INDIVIDUAL HOLE, NOT EXCEEDING 6 1/2", AND NOT CUTTING MORE THAN ONE VERT DECK WEB MAY BE CUT, PROVIDING THE HOLE IS NO CLOSER TO SIMILAR ADJACENT HOLES THAN INDICATED IN NOTE 4, FOR EACH DIRECTION OF THE DECK.
10. OPENINGS MAY BE CUT IN THE STEEL DECK PRIOR TO CONCRETE PLACEMENT, BEYOND THAT INDICATED IN NOTE 9, AT THE CONTRACTOR'S OPTION. SHORING SHALL BE PROVIDED, PER THE GENERAL NOTES, AS REQUIRED TO SUPPORT EVERY SPAN OF DECK INCLUDING THOSE BETWEEN MULTIPLE DECK OPENINGS.

E1 REINFORCED FLOOR OPENING DETAIL

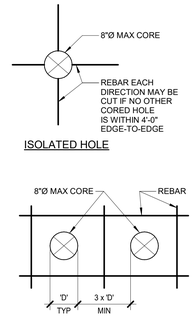
1" = 1'-0"
S_S-117



NOTES:

1. REBAR MAY BE CUT.
2. SPACE BETWEEN HOLES MAY BE LESS THAN 3 x 'D', BUT 4" MIN EDGE-TO-EDGE.
3. ANY HOLE ARRANGEMENT OTHER THAN THOSE INDICATED SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.

GROUPED HOLES



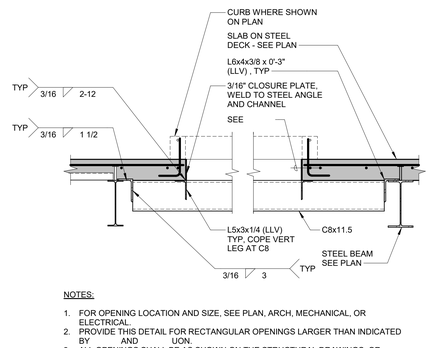
NOTES:

1. NO REBAR MAY BE CUT.
2. WHERE HOLES ARE CLOSER THAN 3 x 'D' OR REBAR MUST BE CUT, CONFORM TO 'GROUPED HOLES'.

MULTIPLE HOLES

E5 CORED FLOOR OPENINGS DETAIL

3/4" = 1'-0"
S_S-118

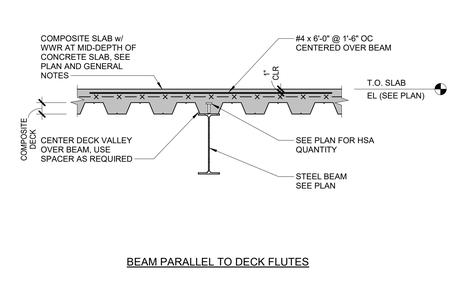


NOTES:

1. FOR OPENING LOCATION AND SIZE, SEE PLAN, ARCH, MECHANICAL, OR ELECTRICAL.
2. PROVIDE THIS DETAIL FOR RECTANGULAR OPENINGS LARGER THAN INDICATED BY AND UON.
3. ALL OPENINGS SHALL BE AS SHOWN ON THE STRUCTURAL DRAWINGS, OR APPROVED BY THE STRUCTURAL ENGINEER.
4. ATTACH STEEL DECK TO ANGLE AND CHANNEL SUPPORTS PER NOTE 1.
5. MAXIMUM ANGLE SPAN = 6'-0".
6. IF OPENING IS ADJACENT TO BEAM, USE EDGE FORM PER .
7. IF MULTIPLE OPENINGS SIMILAR TO ARE FRAMED BY THIS DETAIL, THE SLAB MAY EXTEND ALL AROUND THEM AT THE CONTRACTOR'S OPTION. EXTEND THE SLAB, REINF AND STEEL DECK DELETING ONLY THE 3/16" CLOSURE PLATE. PROVIDE THE TRIM BARS INDICATED AND ADHERE TO NOTE 10 OF .

E8 FRAMED FLOOR OPENING DETAIL

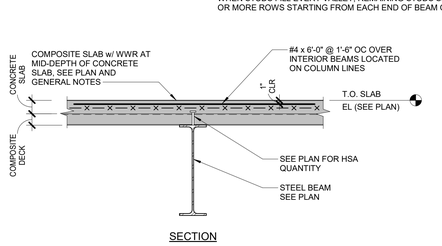
3/4" = 1'-0"
S_S-120



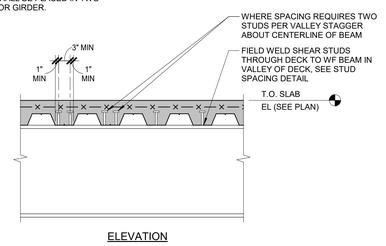
BEAM PARALLEL TO DECK FLUTES

NOTE:

1. ONE STUD PER VALLEY SHALL BE PLACED STARTING FROM BOTH ENDS OF BEAM. WHEN STUDS FILL EVERY VALLEY, REMAINING STUDS SHALL BE PLACED IN TWO OR MORE ROWS STARTING FROM EACH END OF BEAM OR GIRDER.

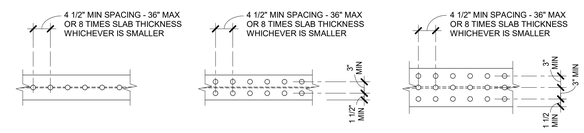


SECTION



ELEVATION

BEAM PERPENDICULAR TO DECK FLUTES



F1 COMPOSITE GIRDER CONSTRUCTION

3/4" = 1'-0"
5200-01

F3 COMPOSITE BEAM CONSTRUCTION

3/4" = 1'-0"
5200-02

F7 COMPOSITE STUD LAYOUT

3/4" = 1'-0"
5200-03

Revisions:	Date:

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Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: TYPICAL STEEL SECTIONS	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS		Project Number: 646-22-700
		Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240		Drawing Number: 01-S501.0
Issue Date: 06/13/2025	Checked: ARL / Drawn: JAD	SHEET 65 of 797

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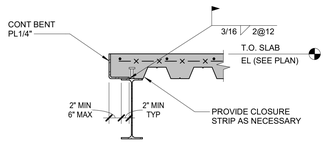
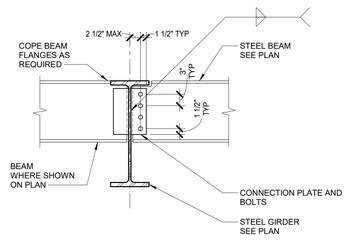


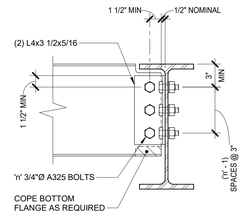
B1 INTERIOR SLAB EDGE

3/4" = 1'-0"
5300-04



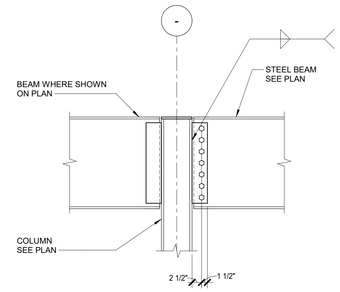
B3 TYPICAL SHEAR CONNECTION TO BEAM

3/4" = 1'-0"
S_S-601



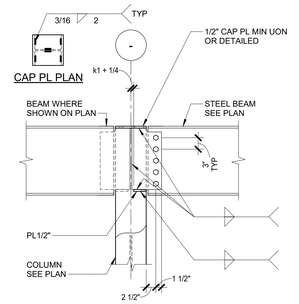
B5 DOUBLE ANGLE SHEAR CONNECTION

1 1/2" = 1'-0"
5155-01



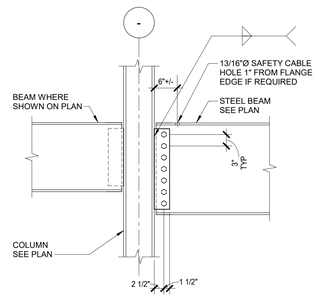
B7 TYPICAL SHEAR CONNECTION TO COLUMN FLANGE AT ROOF

3/4" = 1'-0"
S_S-604



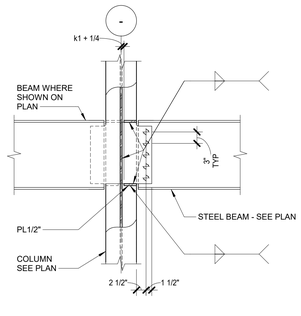
B9 TYPICAL SHEAR CONNECTION TO COLUMN WEB AT ROOF

3/4" = 1'-0"
S_S-605



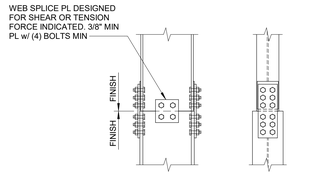
D1 TYPICAL SHEAR CONNECTION TO COLUMN FLANGE AT FLOOR

3/4" = 1'-0"
S_S-606



D3 TYPICAL SHEAR CONNECTION TO COLUMN WEB AT FLOOR

3/4" = 1'-0"
S_S-607

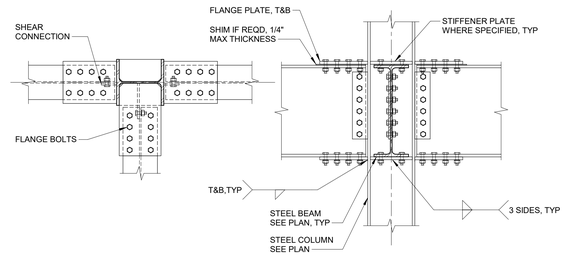


NOTES:

1. COLUMN SPLICES SHALL BE PROVIDED ONLY AT LOCATIONS WHERE SPLICES ARE INDICATED ON COLUMN SCHEDULE.
2. SPLICES SHALL BE LOCATED 4'-0" MAXIMUM ABOVE THE FINISHED FLOOR.
3. ALL BOLTS SHALL BE PRETENSIONED.
4. WHERE TENSION FORCES ARE INDICATED, SPLICE PLATES IN EACH FLANGE SHALL BE DESIGNED FOR 40% OF FORCE INDICATED. PLATE ON WEB SHALL BE DESIGNED FOR 20% OF FORCED INDICATED.

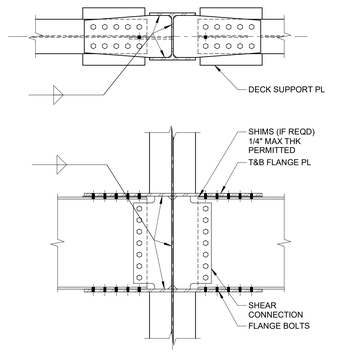
D5 WIDE FLANGE COLUMN SPLICE

3/4" = 1'-0"
5145-02



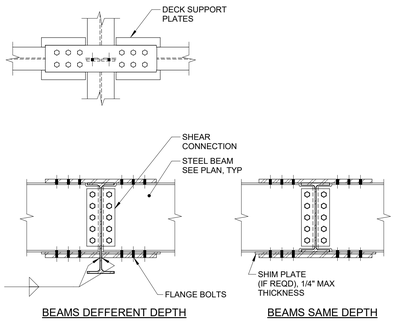
D6 BOLTED BEAM TO COLUMN FLANGE MOMENT CONNECTION

3/4" = 1'-0"
5165-01



D9 BOLTED BEAM TO COLUMN WEB MOMENT CONNECTION

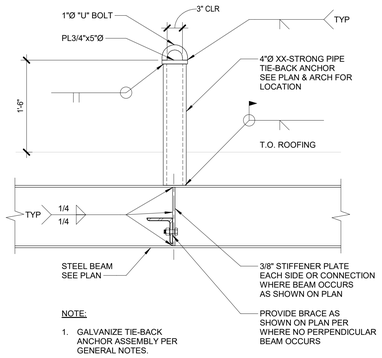
3/4" = 1'-0"
5165-02



BEAMS DEFFERENT DEPTH BEAMS SAME DEPTH

F1 FIELD BOLTED BEAM TO GIRDER MOMENT CONNECTION

3/4" = 1'-0"
5165-06

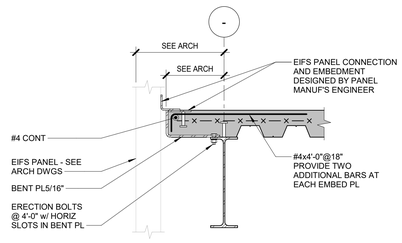


NOTE:

1. GALVANIZE TIE-BACK ANCHOR ASSEMBLY PER GENERAL NOTES.

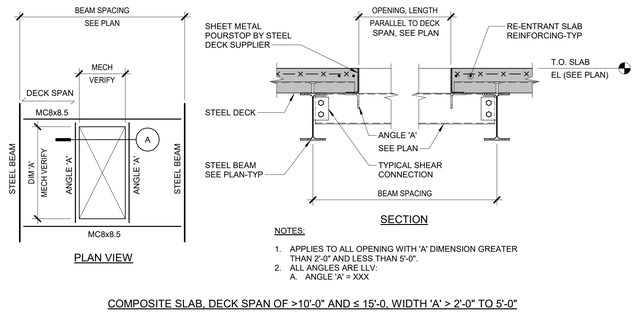
F3 ROOF TIE-OFF DETAIL

1" = 1'-0"
S_S-708



F5 EIFS CONNECTION TO SLAB w/ SLAB EMBED

3/4" = 1'-0"
5900-09



NOTES:

1. APPLIES TO ALL OPENING WITH 'A' DIMENSION GREATER THAN 2'-0" AND LESS THAN 5'-0".
2. ALL ANGLES ARE LLV:
   A. ANGLE 'A' = XXX

COMPOSITE SLAB, DECK SPAN OF >10'-0" AND ≤ 15'-0, WIDTH 'A' > 2'-0" TO 5'-0"

F7 FRAMING AT FLOOR OPENING

3/4" = 1'-0"
5300-12

Revisions:	Date:

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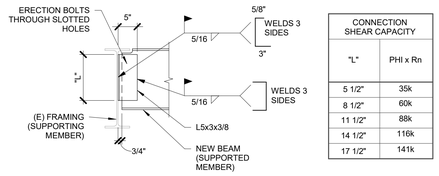
COMMONWEALTH OF PENNSYLVANIA
LEA M. COSENZA
ENGINEER
No. PE059378

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	TYPICAL STEEL SECTIONS
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S502.0
	SHEET 66 of 797

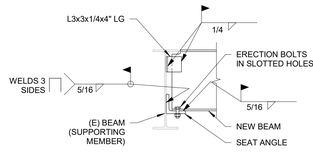
Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.01.S.PIT EHRM.rvt
6/12/2025 3:15:06 PM



CONNECTION SHEAR CAPACITY	
"L"	PHI x Rn
5 1/2"	35k
8 1/2"	60k
11 1/2"	88k
14 1/2"	116k
17 1/2"	141k

B1 NEW BM TO EXISTING BEAM SINGLE ANGLE SHEAR CONN

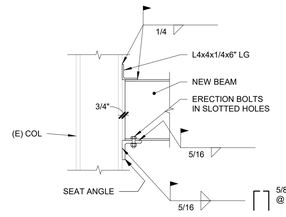
3/4" = 1'-0"



CONNECTION SHEAR CAPACITY	
SEAT ANGLE	PHI x Rn
L4x4x3/4	20k
-	-
-	-
-	-
-	-

B4 NEW BM TO EXISTING BEAM SEAT ANGLE SHEAR CONN

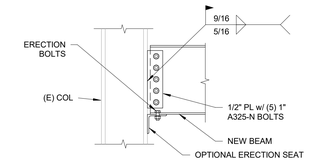
3/4" = 1'-0"



CONNECTION SHEAR CAPACITY	
SEAT ANGLE	PHI x Rn
L4x4x3/4	20k
L6x4x3/4	34k

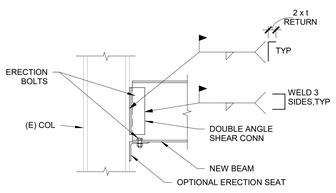
B6 NEW BEAM TO EXISTING COL SEAT ANGLE SHEAR CONN

3/4" = 1'-0"



B9 NEW BM TO EXISTING COL SKEWED SHEAR TAB CONN

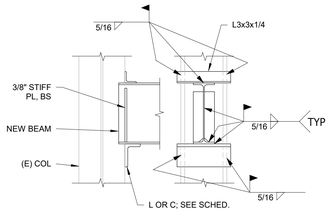
3/4" = 1'-0"



CONNECTION CAPACITY PER AISC MANUAL, TABLE 10-3

C1 NEW BM TO EXISTING COL DOUBLE ANGLE SHEAR CONN

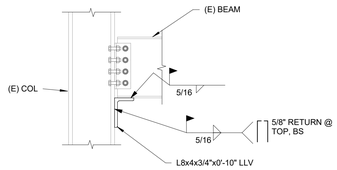
3/4" = 1'-0"



CONNECTION SHEAR CAPACITY	
SEAT	PHI x Rn
L4x4x3/4	23k
L6x4x3/4	40k
L8x4x3/4	65k
C10x15.3	85k
-	-

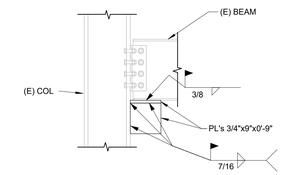
C3 NEW BEAM CONNECTION TO (E) COL PERP TO WEB

3/4" = 1'-0"



C6 EXISTING CONNECTION REINFORCING

3/4" = 1'-0"



C9 EXISTING CONNECTION REINFORCING - SEAT

3/4" = 1'-0"

E1 EXISTING COLUMN REINFORCEMENT (BETWEEN FLOORS)

3/4" = 1'-0"

SEQUENCING

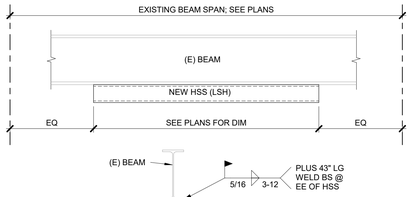
CONSTRUCTION IS TO BE PERFORMED ON LOWER FLOORS PRIOR TO PROCEEDING ON UPPER FLOORS. SHORING CANNOT BE INSTALLED ON LOWER FLOOR BEAMS PRIOR TO REINFORCING OF CONNECTION AS DETAILED.

ERECTION SEQUENCE:

1. INSTALL (N) STIFFENER AT SHORING LOCATIONS
2. INSTALL SHORING POST TO SUPPORT BEAMS AT FLOOR LEVEL.
3. REMOVE CONCRETE AROUND COLUMN AND (E) CONNECTION AND END OF BEAM
4. INSTALL COLUMN REINFORCING PLATE
5. INSTALL (N) CONNECTION TO BEAMS
6. REMOVE SHORING

E3 EXISTING COLUMN REINFORCEMENT (THROUGH FLOORS)

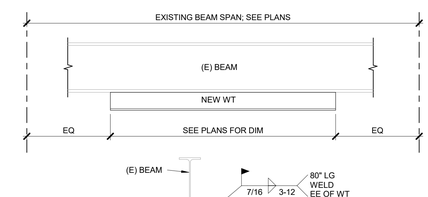
3/4" = 1'-0"



SEE FRAMING PLANS FOR LOCATIONS OF (E) BEAMS TO BE REINFORCED AND SIZES OF NEW HSS's

E5 EXISTING BEAM REINFORCEMENT

3/4" = 1'-0"



SEE FRAMING PLANS FOR LOCATIONS OF (E) BEAMS TO BE REINFORCED AND SIZES OF NEW WT's

E7 EXISTING BEAM REINFORCEMENT, OPTION 2

3/4" = 1'-0"

Revisions:	Date:

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COMMONWEALTH OF PENNSYLVANIA — LEA M. COSENZA — ENGINEER — No. PE093078

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	TYPICAL STEEL SECTIONS
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06/13/2025
Checked	ARL
Drawn	JAD
Project Number	646-22-700
Building Number	1
Drawing Number	01-S503.0
	SHEET 67 of 797

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VA FORM 08 - 6231

ROOF						ROOF
152'-0 1/2" WEST TOWER ROOF						152'-0 1/2" WEST TOWER ROOF
147'-4 1/2" LEVEL 11	W10x33	W10x33	W10x39		W10x49	147'-4 1/2" LEVEL 11
135'-7 1/8" LEVEL 10	W10x33	W10x33	W10x39		W10x49	135'-7 1/8" LEVEL 10
123'-9 3/4" LEVEL 09	W10x33	W10x33	W10x39		W10x49	123'-9 3/4" LEVEL 09
112'-0 3/8" LEVEL 08	W10x33	W10x49	W10x49		W10x49	112'-0 3/8" LEVEL 08
100'-3" LEVEL 07	W10x33	W10x49	W10x49		W10x49	100'-3" LEVEL 07
88'-5 5/8" LEVEL 06	W10x45	W10x54	W10x60		W10x60	88'-5 5/8" LEVEL 06
76'-8 1/4" LEVEL 05	W10x45	W10x54	W10x77		W10x60	76'-8 1/4" LEVEL 05
64'-10 7/8" LEVEL 04	W10x88	W10x112	W10x77	W10x39	W10x77	64'-10 7/8" LEVEL 04
53'-1 1/2" LEVEL 03	W10x88	W10x112	W14x145	W10x39	W10x77	53'-1 1/2" LEVEL 03
41'-4 1/8" LEVEL 02	W10x88		W14x145	W10x39	W14x109	41'-4 1/8" LEVEL 02
29'-6 3/4" LEVEL 01	W10x88		W14x145	W10x39	W14x109	29'-6 3/4" LEVEL 01
14'-5 3/8" GROUND LEVEL	W10x88		W14x145	W10x39	W14x109	14'-5 3/8" GROUND LEVEL
0" BASEMENT	W10x88		W14x145	W10x39	W14x109	0" BASEMENT
-14'-0"						-14'-0"
Column Locations	C'-7'	EA-7	K'-25'	K'-26'	K'-27'	

STEEL COLUMN SCHEDULE

1/8" = 1'-0"

GENERAL NOTES:

PLAN NORTH

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: STEEL COLUMN SCHEDULE	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S504.0
			SHEET 68 of 797

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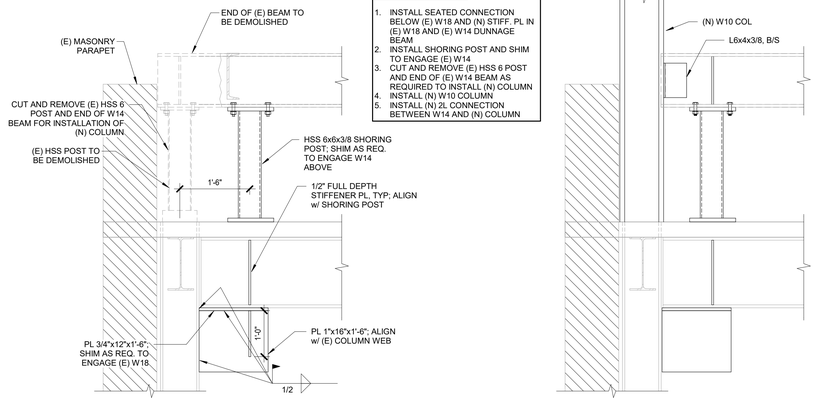
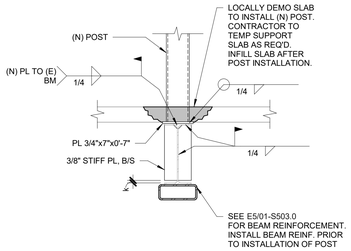
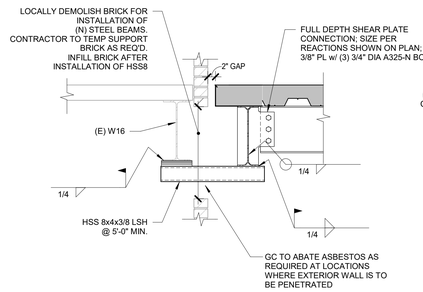


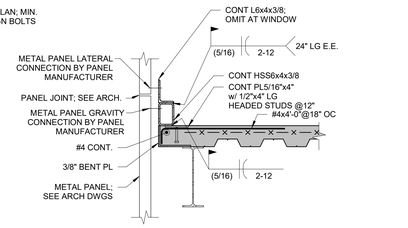
B1 (N) COLUMN ON (E) DUNNAGE POST (3RD FLOOR)
3/4" = 1'-0"



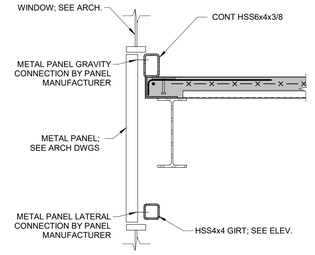
B4 (N) POST TO (E) BEAM (1ST FLOOR)
3/4" = 1'-0"



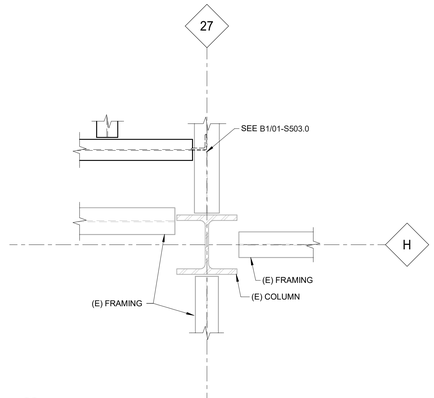
B6 (N) SLAB TO (E) SLAB INTERFACE
3/4" = 1'-0"



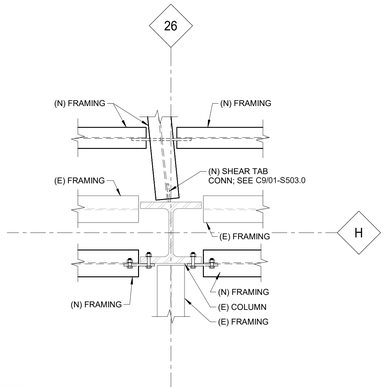
B7 TYPICAL (N) TOWER FACADE SUPPORT
3/4" = 1'-0"



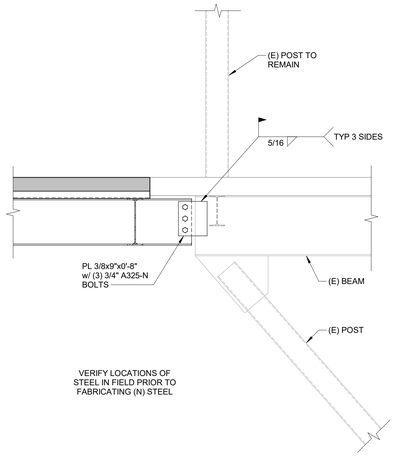
B9 TYPICAL (N) TOWER FACADE SUPPORT (@ WINDOW)
3/4" = 1'-0"

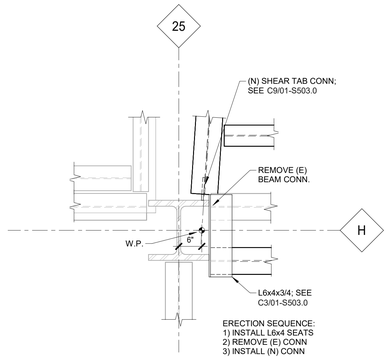


D4 (N) CONN @ H/27 - LOWER LEVELS
3/4" = 1'-0"

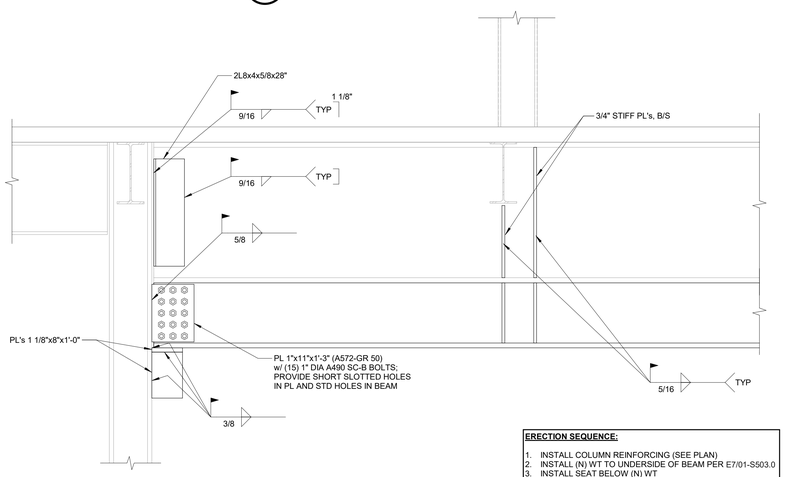


D6 (N) CONN @ H/26 - LOWER LEVELS
3/4" = 1'-0"

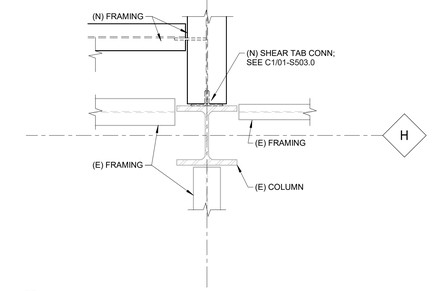




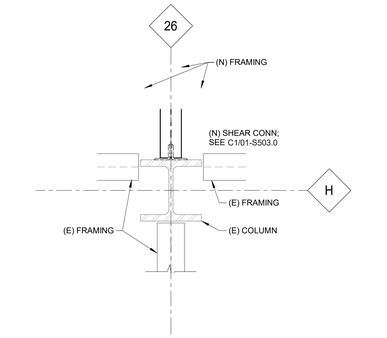
D2 (N) CONN @ H/25
3/4" = 1'-0"



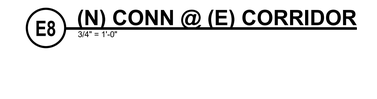
F1 (E) TRANSFER GIRDER CONNECTION REINFORCEMENT
3/4" = 1'-0"



E4 (N) CONN @ H/27 - UPPER LEVELS
3/4" = 1'-0"



E6 (N) CONN @ H/26 - UPPER LEVELS
3/4" = 1'-0"



E8 (N) CONN @ (E) CORRIDOR
3/4" = 1'-0"

Revisions:	Date:

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PROJECT #23002251.00

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No. PE039979

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: STEEL SECTIONS	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS		Project Number: 646-22-700
		Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240		Drawing Number: 01-S505.0
Issue Date: 06/13/2025	Checked: ARL / Drawn: JAD	SHEET 69 of 797

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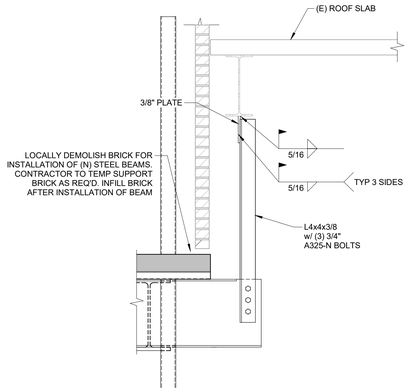
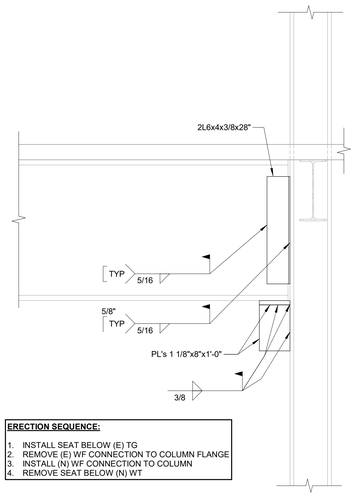


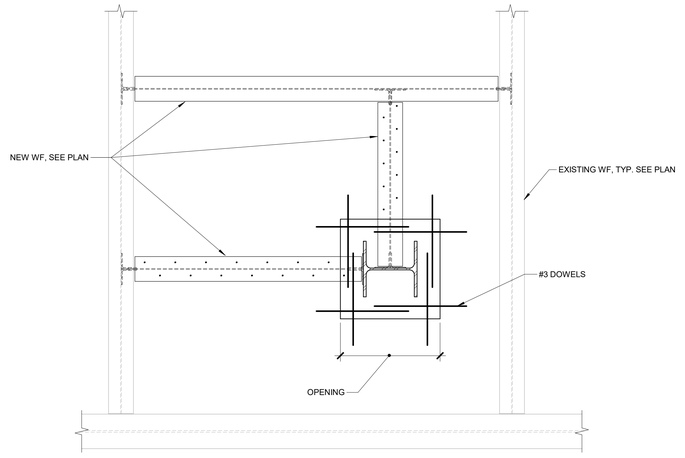
C1 WEST TOWER (N) TO (E) CONN - ROOF

3/4" = 1'-0"



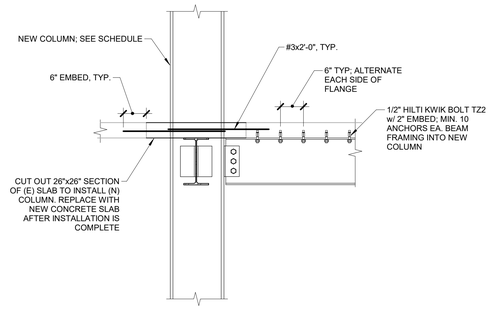
C3 (E) TRANSFER GIRDER CONNECTION REINFORCEMENT

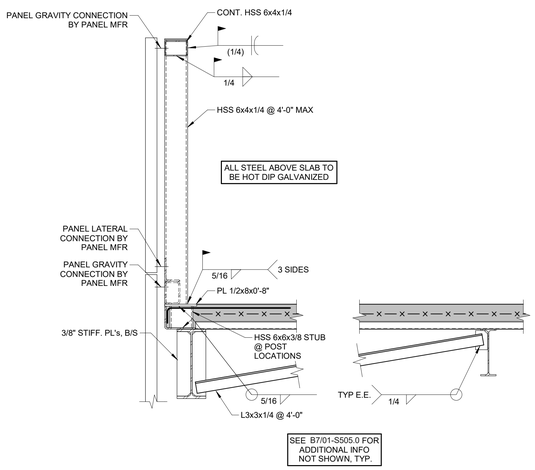
3/4" = 1'-0"



C6 TYPICAL BRACING OF NEW COLUMNS

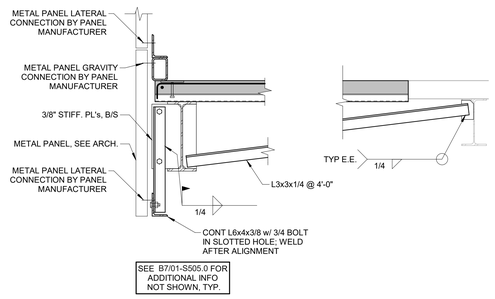
3/4" = 1'-0"





F1 METAL PANEL PARAPET SUPPORT

3/4" = 1'-0"



F3 METAL PANEL BASE SUPPORT

3/4" = 1'-0"

PLAN NORTH

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PROJECT #23002251.00

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REGISTERED
LEA M. COSENZA
ENGINEER
No. PE090078

Office of Construction and Facilities Management

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Drawing Title: STEEL SECTIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE	Building Number: 1
		Issue Date: 06/13/2025 / Checked: ARL / Drawn: JAD	Drawing Number: 01-S506.0
			SHEET 70 of 797

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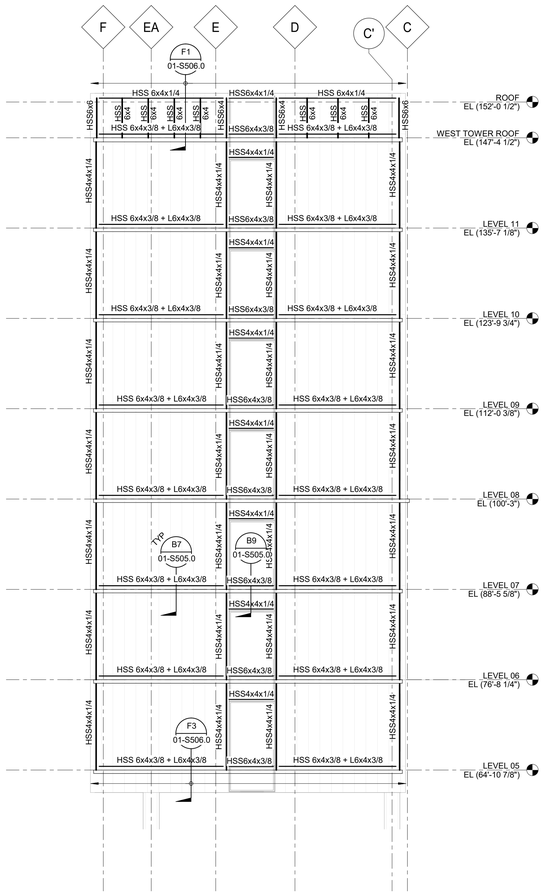
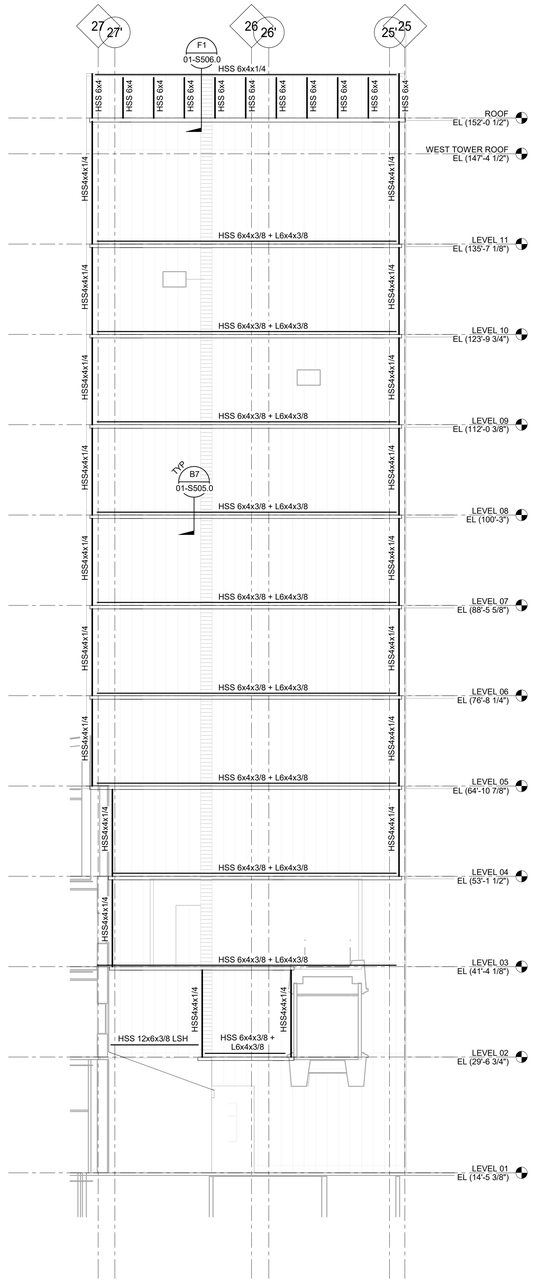


1 WEST TOWER - FACADE SUPPORT ELEVATION

1/8" = 1'-0"



2 NORTH TOWER - FACADE SUPPORT ELEVATION

1/8" = 1'-0"

PLAN NORTH

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Drawing Title TOWER FACADE SUPPORT ELEVATIONS	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	**Project Number** 646-22-700
Approved:		**Location** UNIVERSITY DRIVE	**Building Number** 1
	FULLY SPRINKLERED	**Issue Date** 06/13/2025 / **Checked** ARL / **Drawn** JAD	**Drawing Number** 01-S550.0
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EHRM LEGEND

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- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PLAN NORTH

3/64" = 1'-0"
5 0 5 10 15 20 25 30
SCALE FEET

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Drawing Title BASEMENT FLOOR PLAN	**Phase** FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	**Project Number** 646-22-700
	Building Number 1
Location UNIVERSITY DRIVE PITTSBURGH, PA 15240	**Drawing Number** 01-AE99
Issue Date 06.13.2025 / **Checked** / **Drawn**	SHEET 72 of 797

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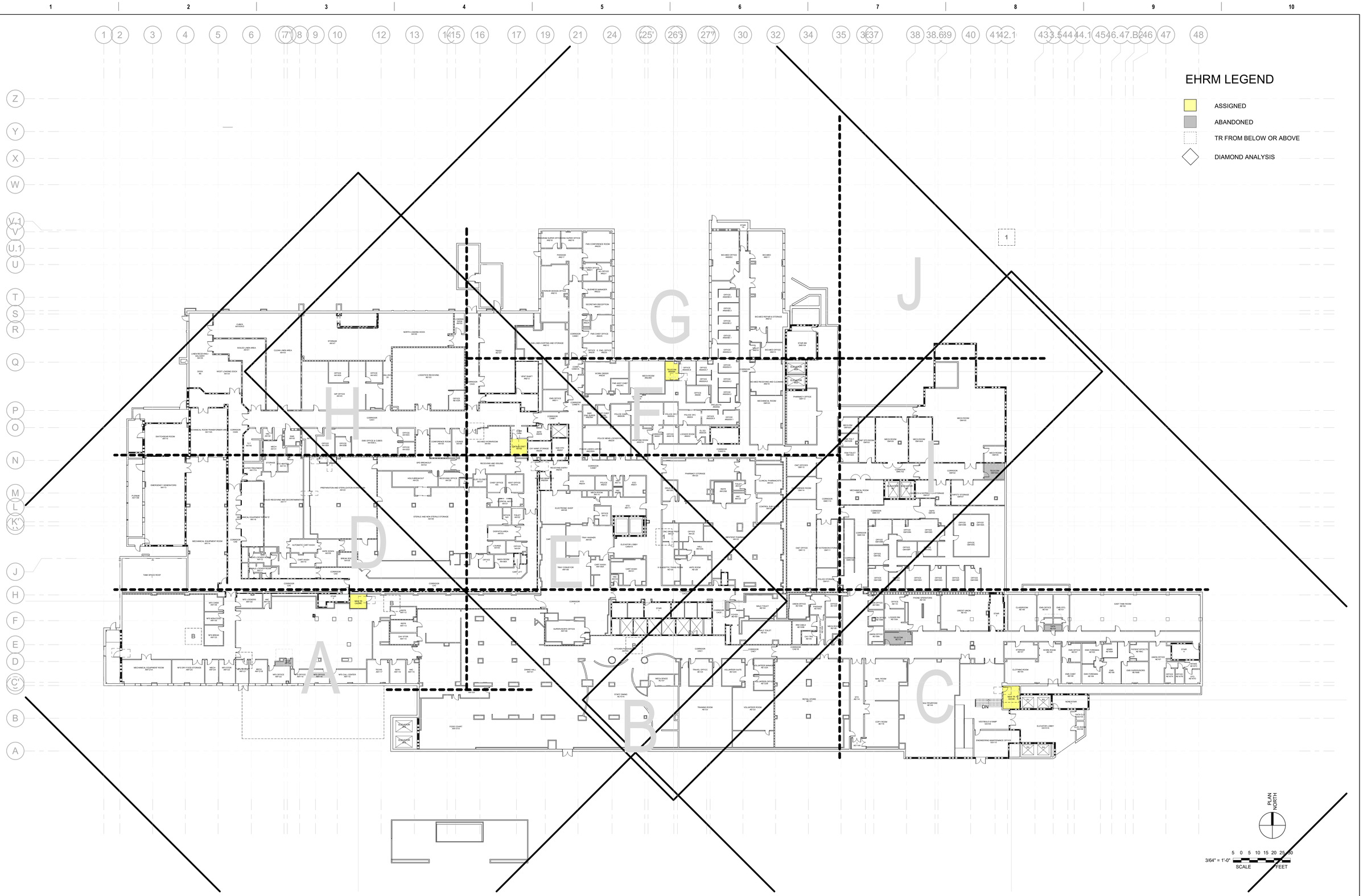

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Revisions:	**Date:**

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
GROUND FLOOR PLAN

Approved:

Phase
FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title
EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location
UNIVERSITY DRIVE
PITTSBURGH, PA 15240

Project Number
646-22-700

Building Number
1

Drawing Number
01-AE100

SHEET 73 of 797

Issue Date	Checked	Drawn
06.13.2025		

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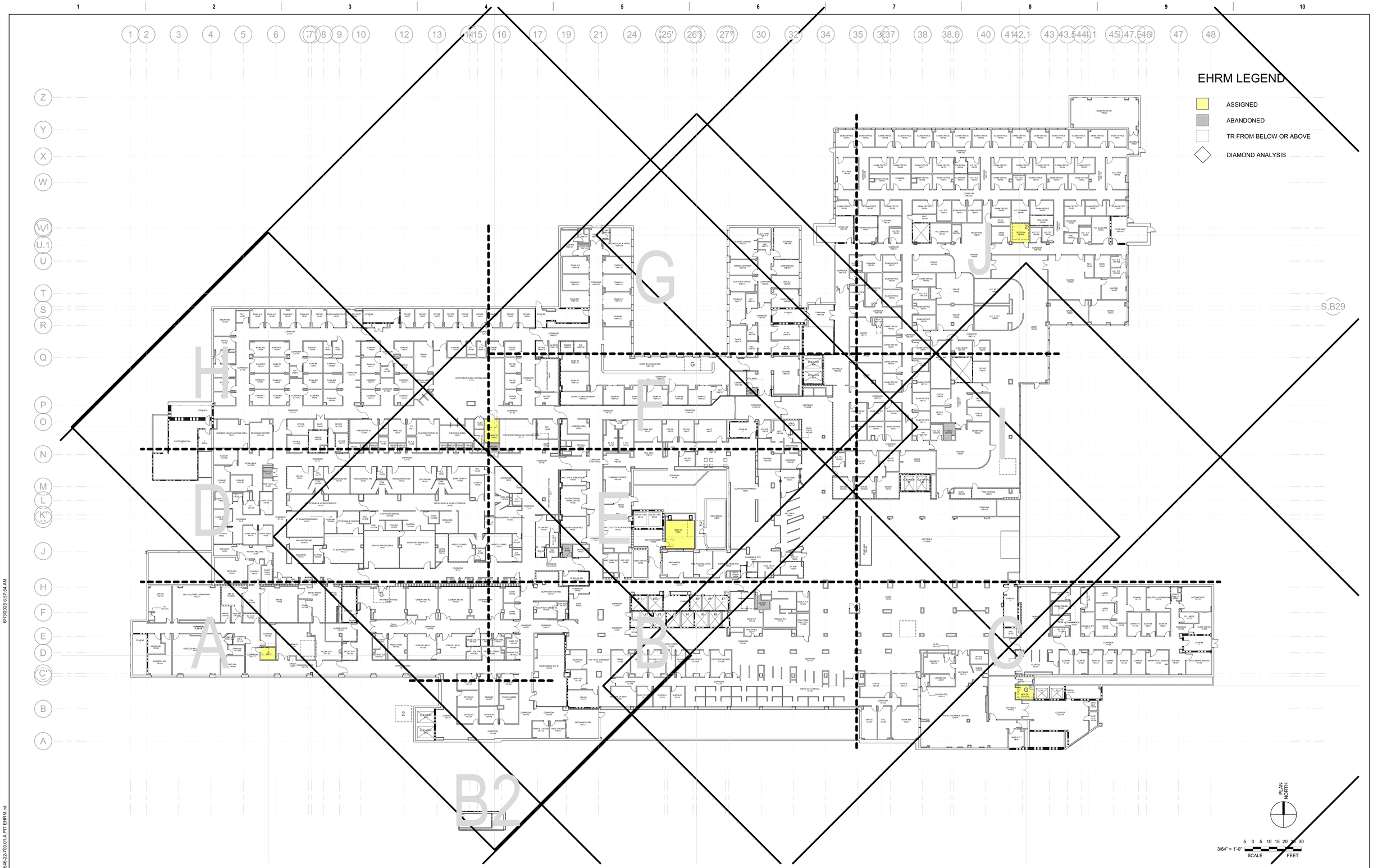

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REGISTERED ARCHITECT
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GLENN H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE101
			SHEET 74 of 797

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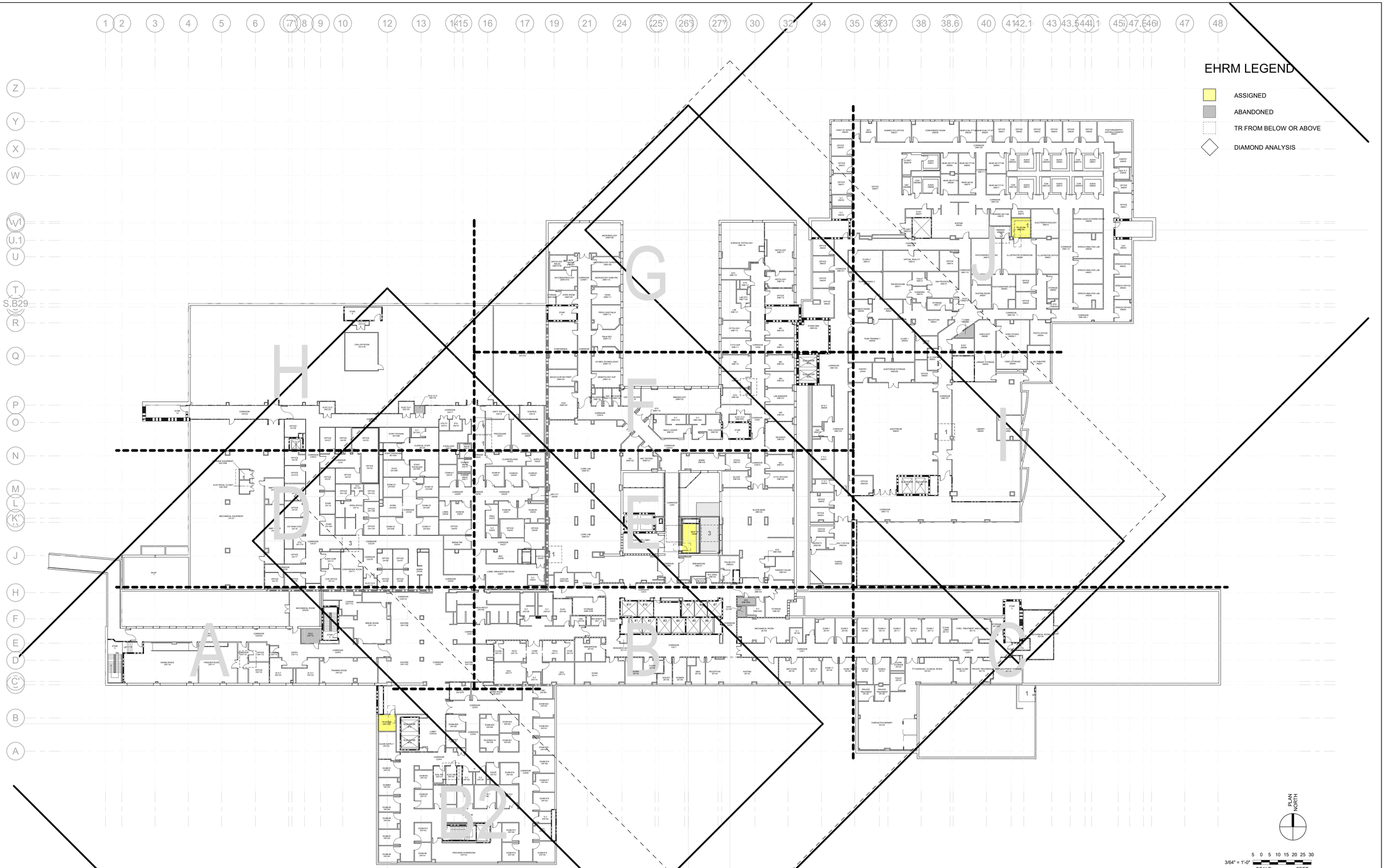

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GENE H. KLOW No. RA014164

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Drawing Title: SECOND FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
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Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE102
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 75 of 797

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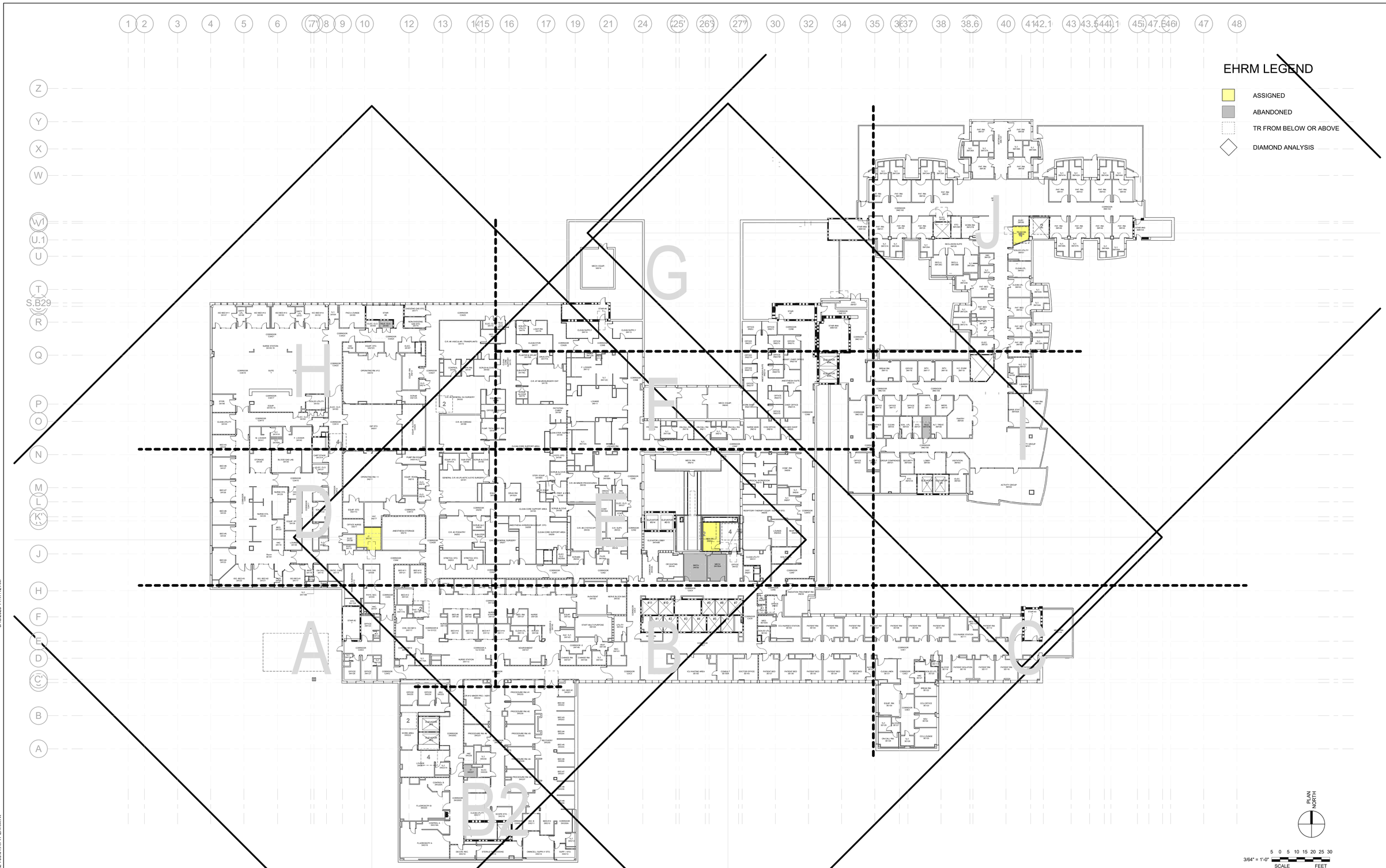

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Revisions:	**Date:**

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GENE H. KLOW No. RA414515

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Drawing Title
THIRD FLOOR PLAN

Approved:

Phase
FINAL BID DOCUMENTS

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Project Title
EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location
UNIVERSITY DRIVE
PITTSBURGH, PA 15240

Issue Date 06.13.2025
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Drawn

Project Number 646-22-700
Building Number 1
Drawing Number 01-AE103
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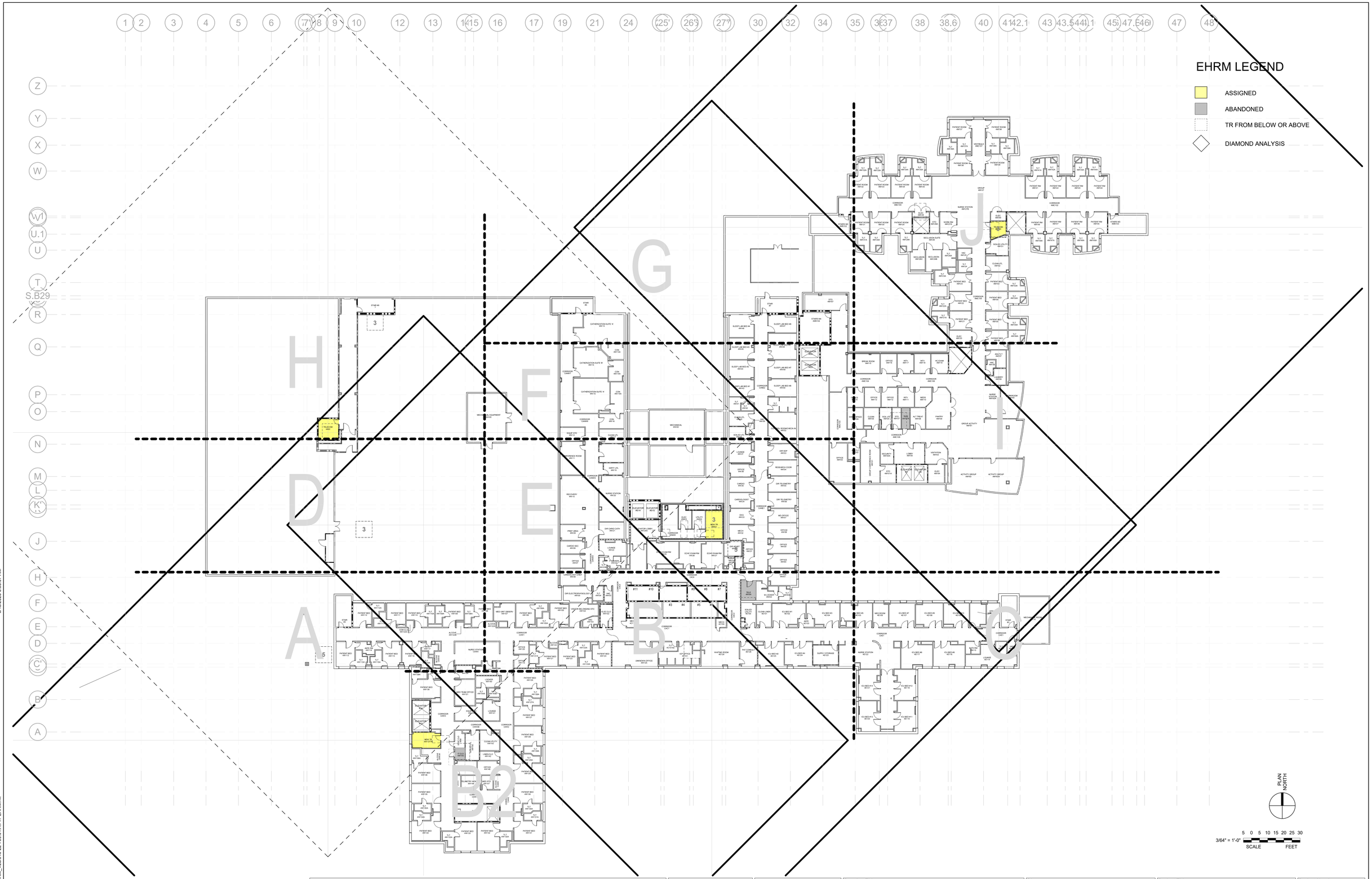

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Drawing Title: FOURTH FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE104
			SHEET 77 of 797

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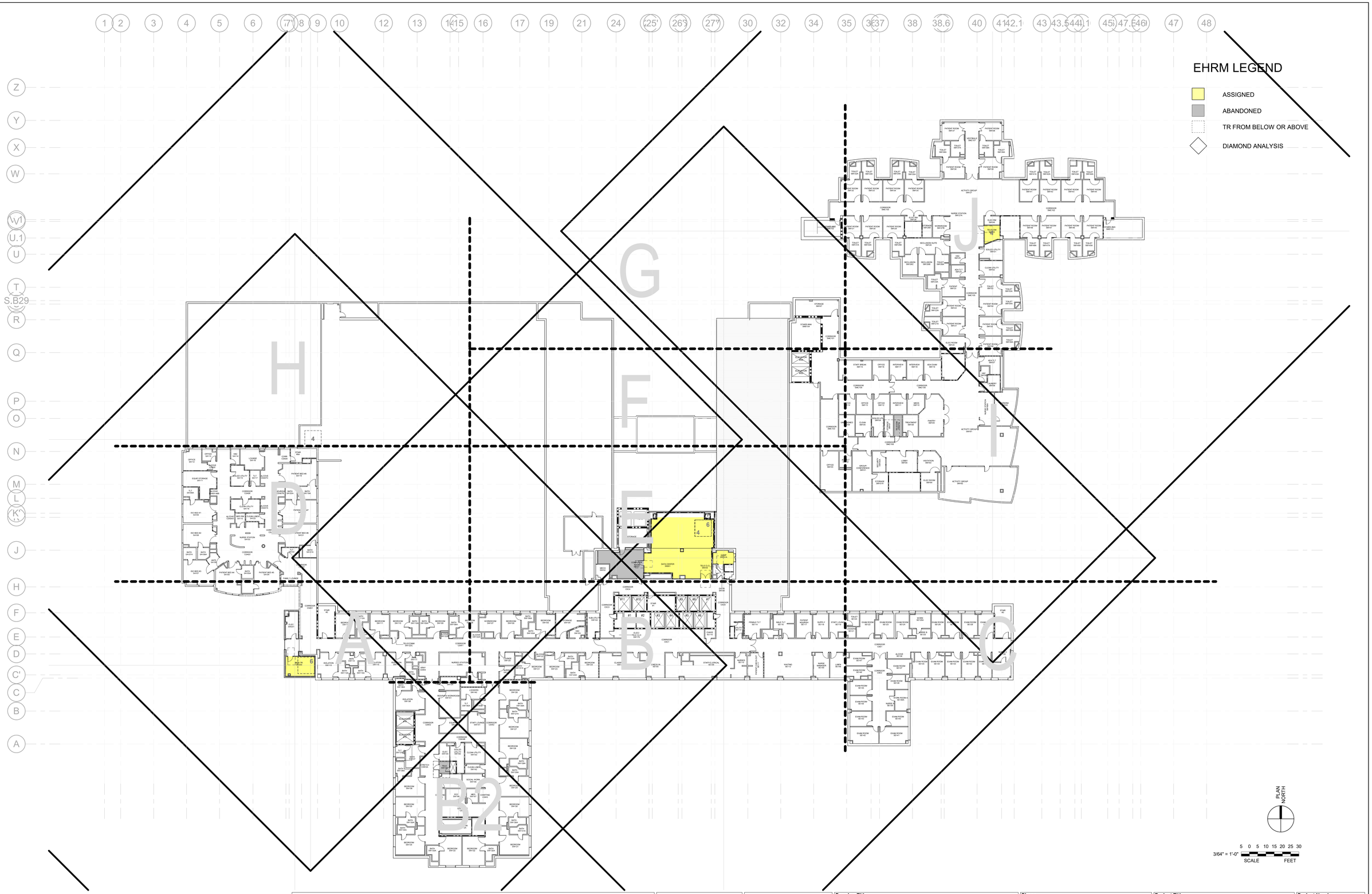

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Drawing Title: FIFTH FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE105
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 78 of 797

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EHRM LEGEND

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PLAN NORTH

5 0 5 10 15 20 25 30
3/64" = 1'-0"
SCALE FEET

Revision 1	Date 1
Revisions:	Date:

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CHRISTINE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE106

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PLAN NORTH

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3/64" = 1'-0"
SCALE FEET

Revisions:	Date:

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Drawing Title	SEVENTH FLOOR PLAN
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE107
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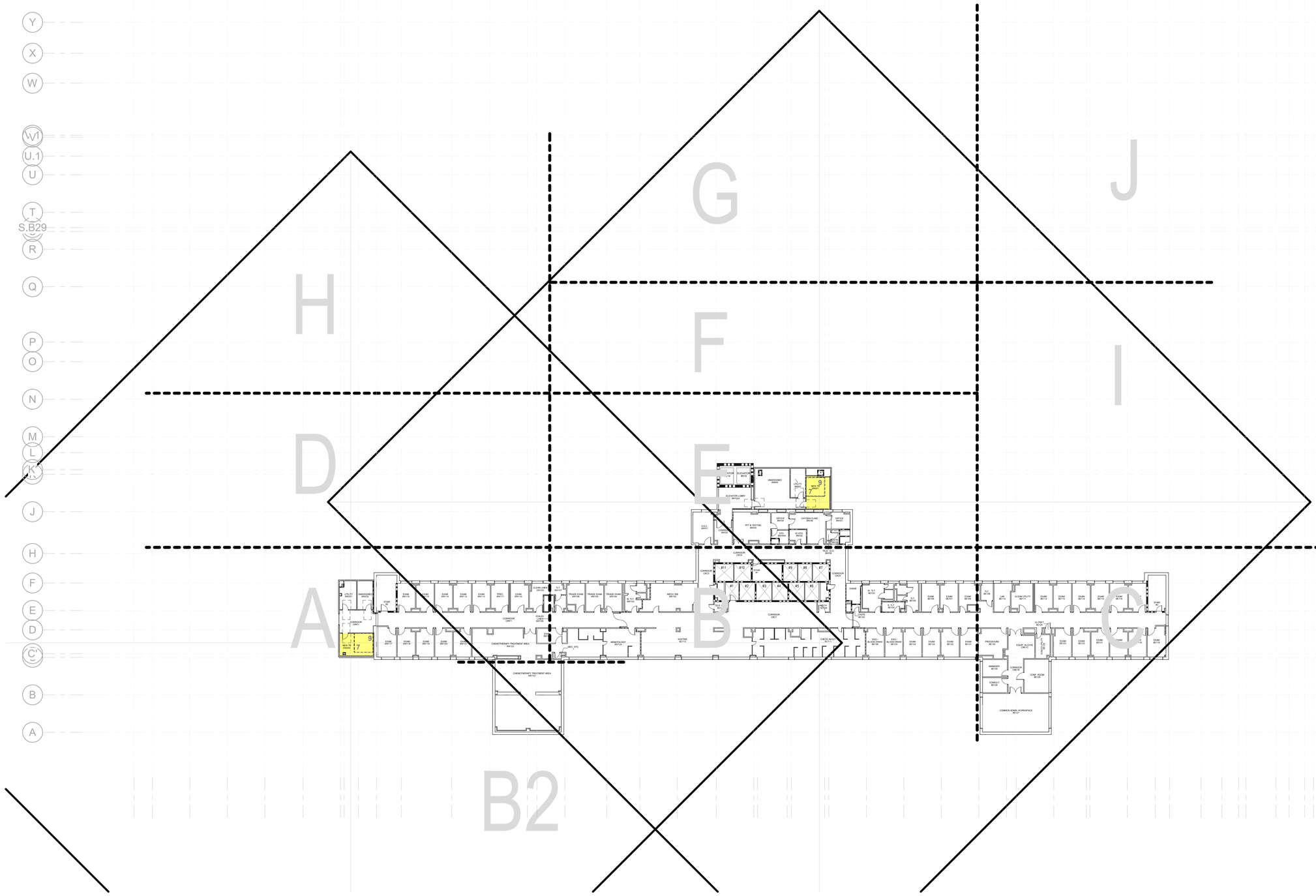

PLAN NORTH

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SCALE FEET

Revisions:	Date:

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Drawing Title: EIGHTH FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE108
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 81 of 797

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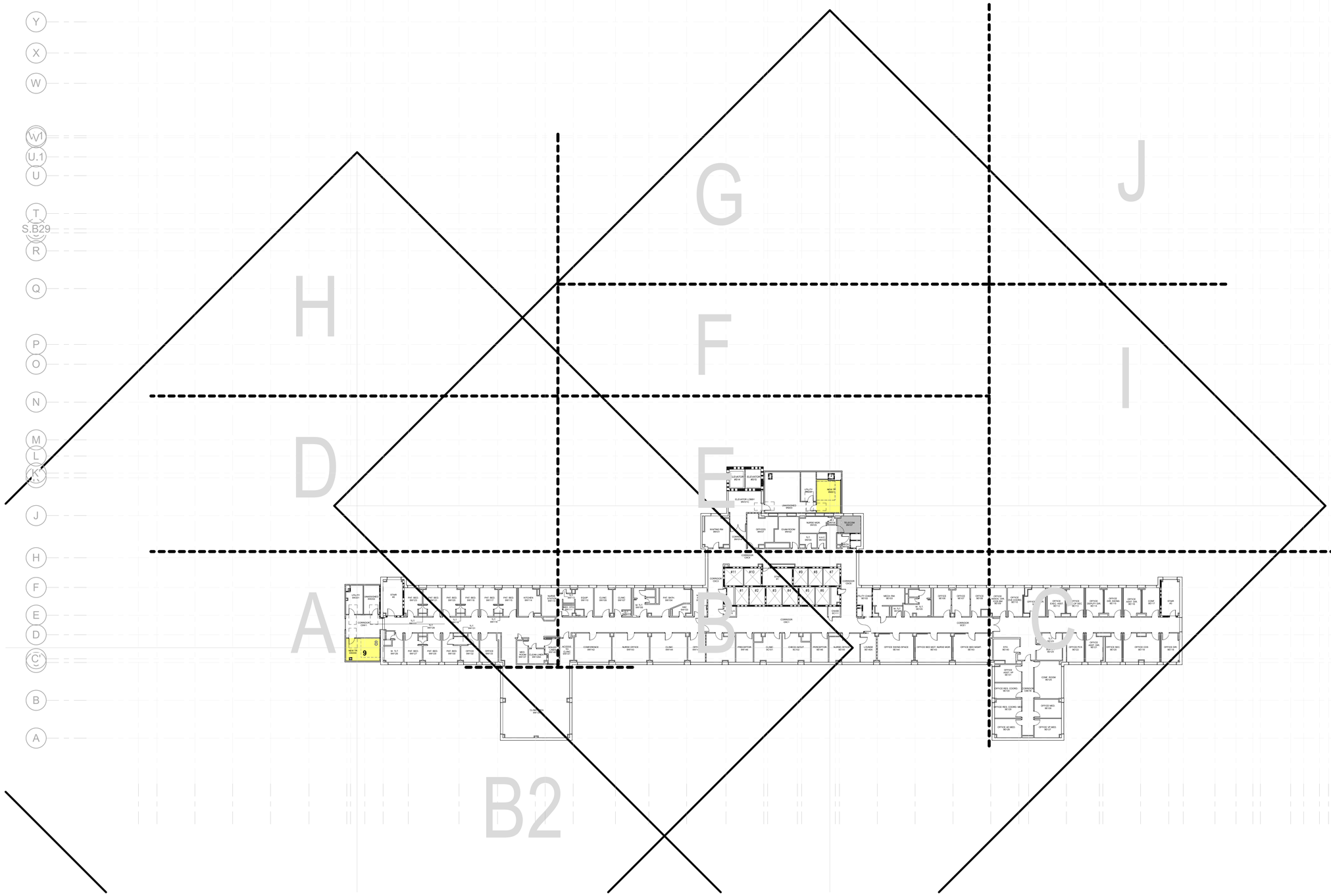

PLAN NORTH

3/64" = 1'-0"
.5 0 5 10 15 20 25 30
SCALE FEET

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DANIEL H. KLOW No. RA407141

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Drawing Title: NINTH FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE109
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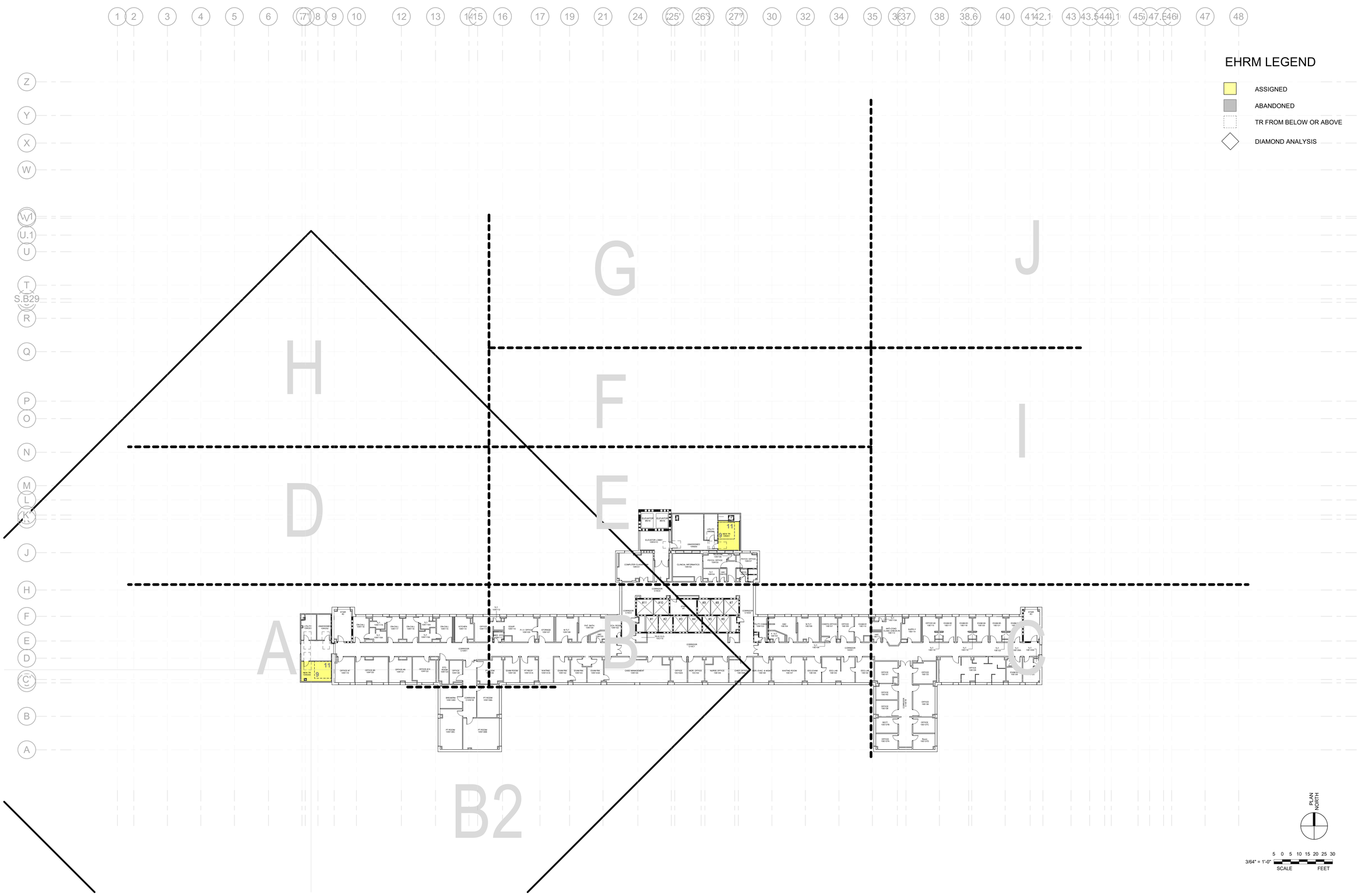

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3/64" = 1'-0" SCALE

5 0 5 10 15 20 25 30 FEET

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DANE H. KLOW No. RA407141

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Drawing Title: TENTH FLOOR PLAN

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked:

Drawn:

Project Number: 646-22-700

Building Number: 1

Drawing Number: 01-AE110

SHEET 83 of 797

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EHRM LEGEND

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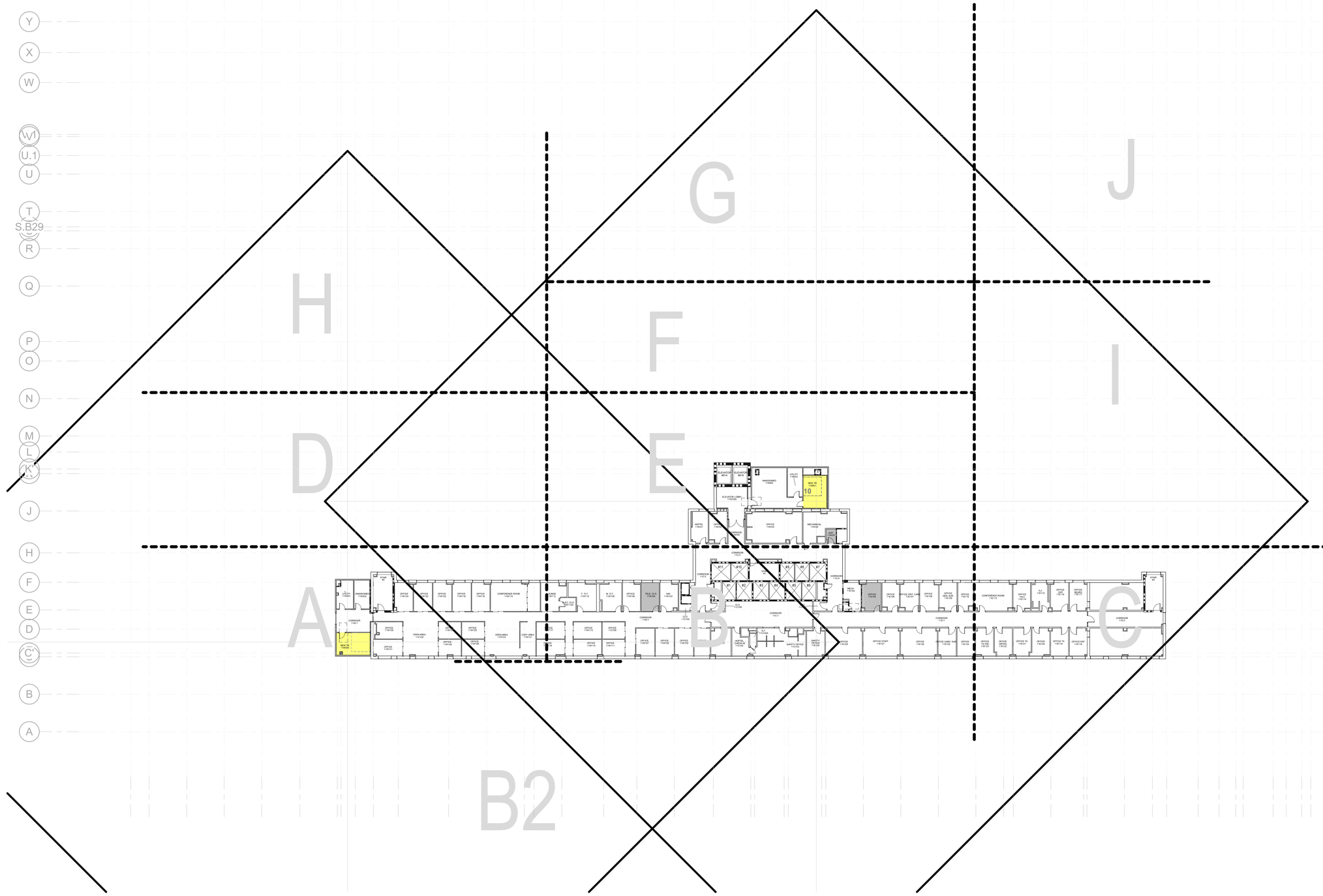

PLAN NORTH

3/64" = 1'-0" SCALE

5 0 5 10 15 20 25 30 FEET

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA JAIME H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELEVENTH FLOOR PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE111
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 84 of 797

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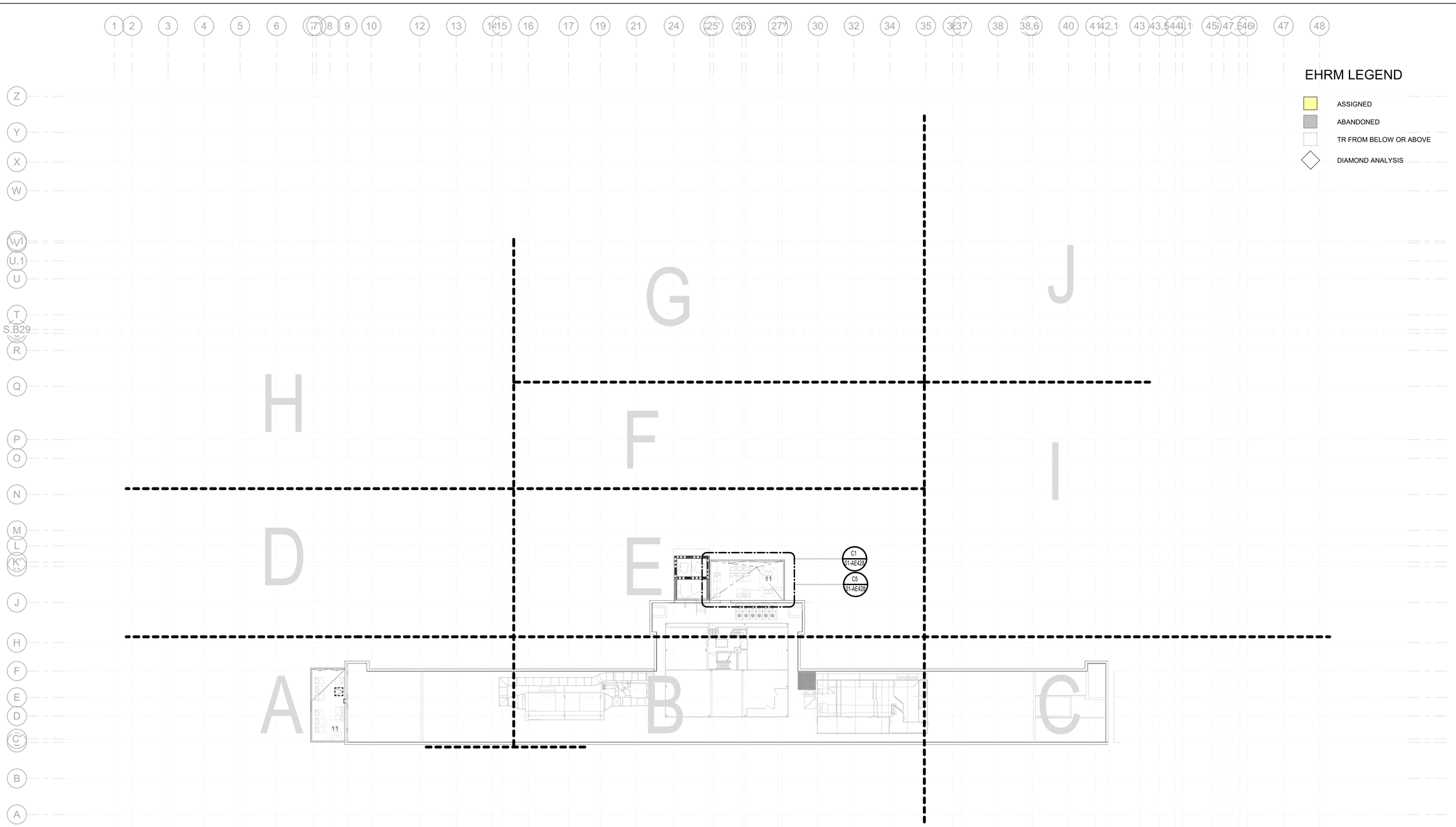
VA FORM 08 - 6231



Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
DANIEL H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PENTHOUSE FLOOR PLAN
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE112
	SHEET 85 of 797

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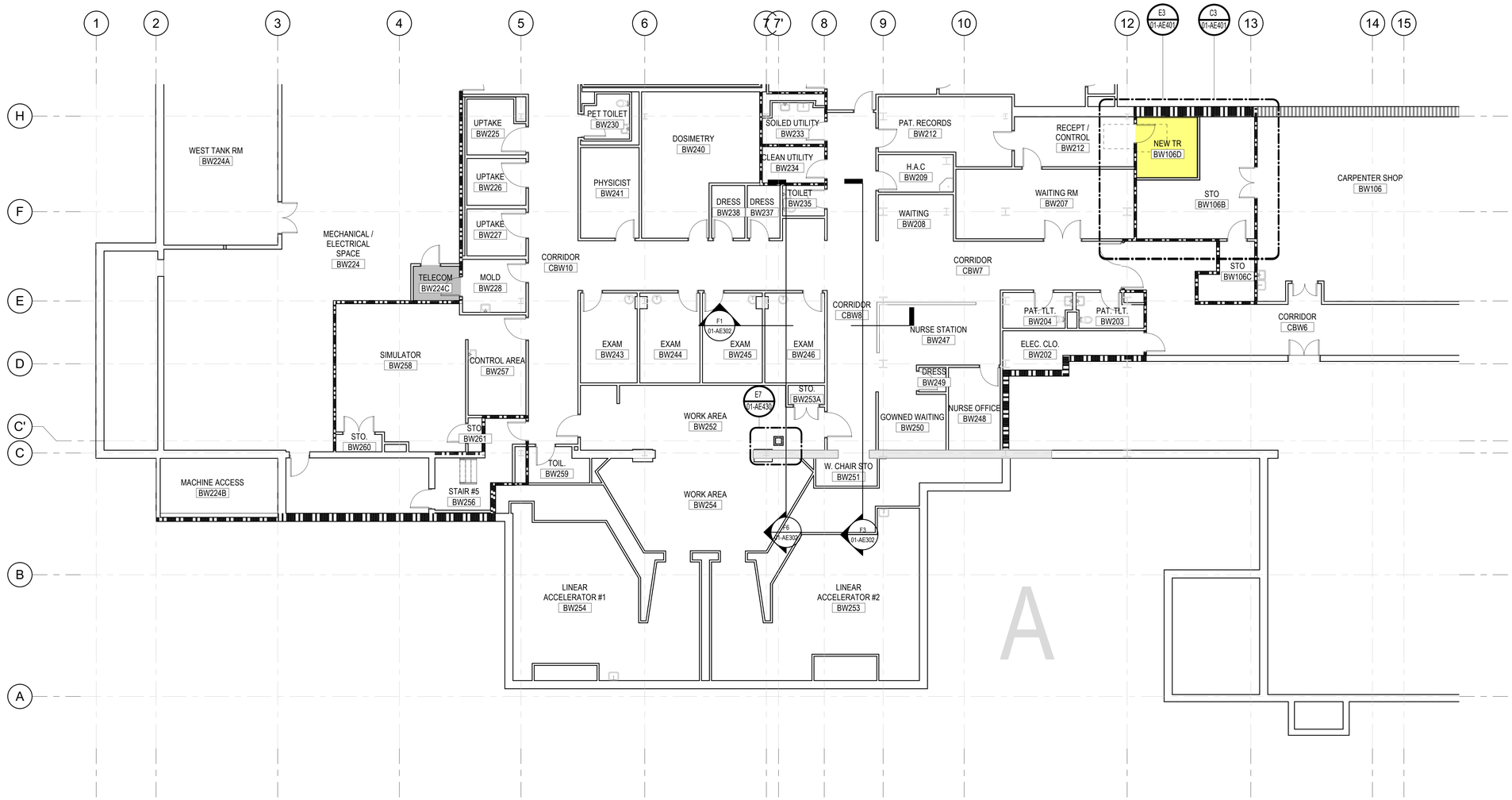


GENERAL NOTES:

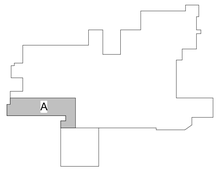
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101	NEW	2	Proposed.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW NO. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BASEMENT FLOOR PLAN - AREA A	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE121A
			SHEET 86 of 797

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GENERAL NOTES:

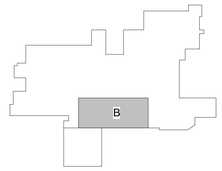
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101	NEW	2	Proposed.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BASEMENT FLOOR PLAN - AREA B
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE121B
	SHEET 87 of 797

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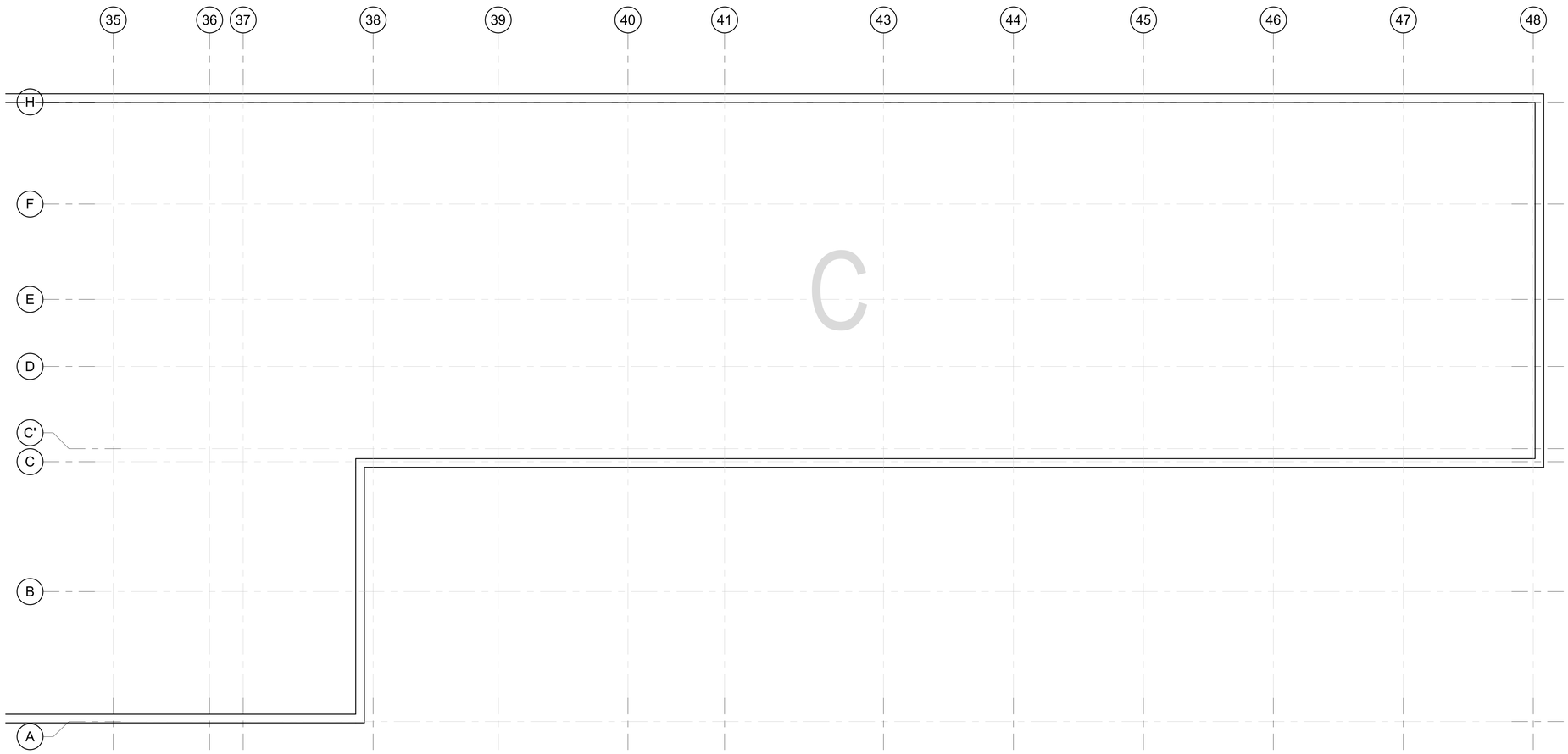


GENERAL NOTES:

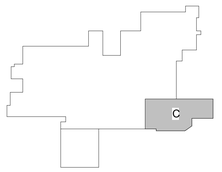
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101	NEW	2	Proposed.		10'-0"	10'-0"		

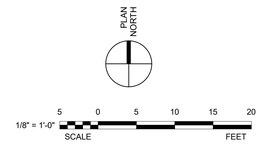
EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER





Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GERARD H. KLOW No. RA017141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BASEMENT FLOOR PLAN - AREA C
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE121C
	SHEET 88 of 797

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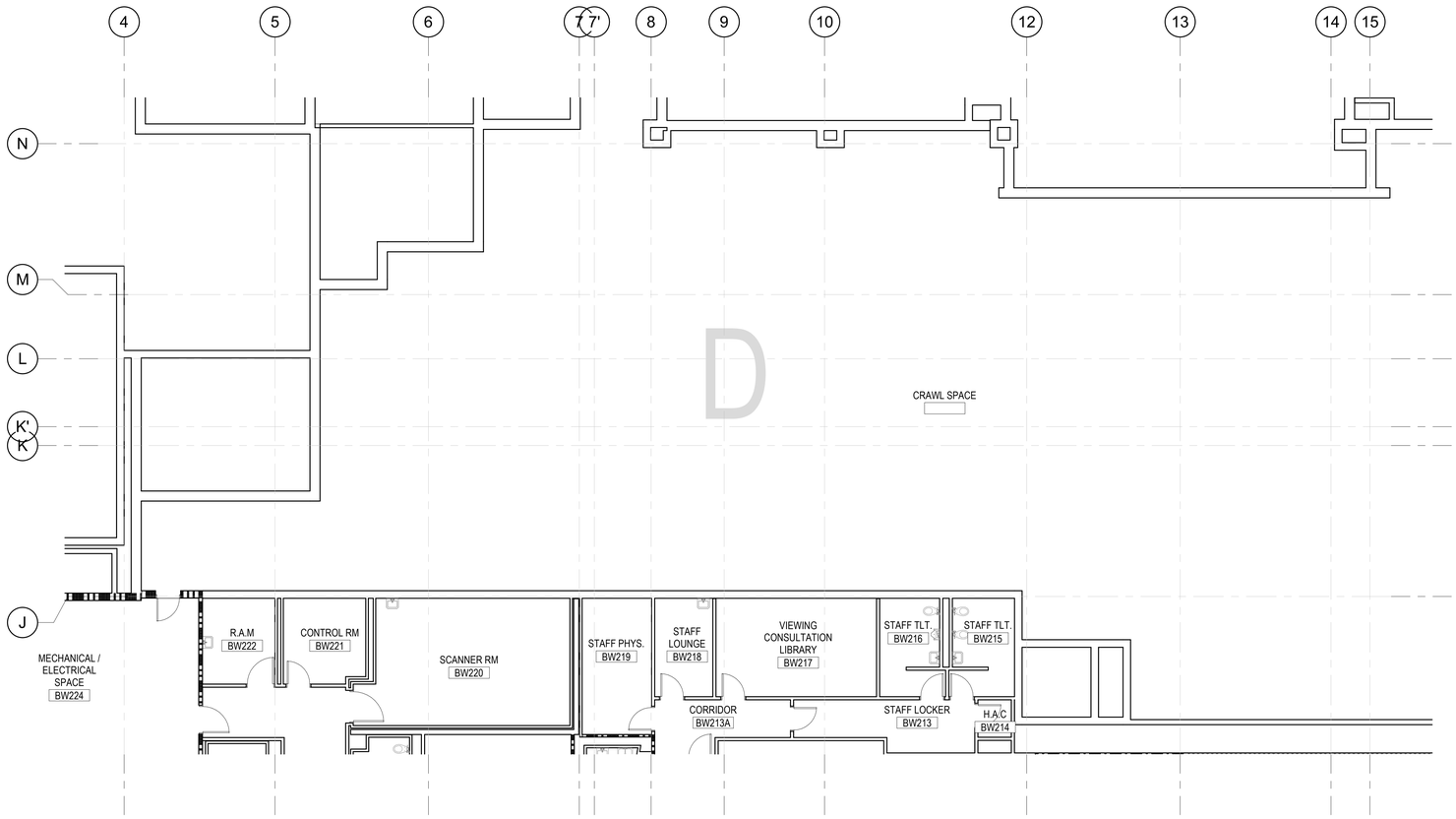


GENERAL NOTES:

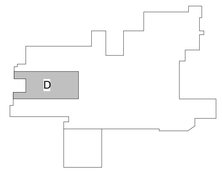
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101	NEW	2	Proposed.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
ERIK H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BASEMENT FLOOR PLAN - AREA D
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE121D
	SHEET 89 of 797

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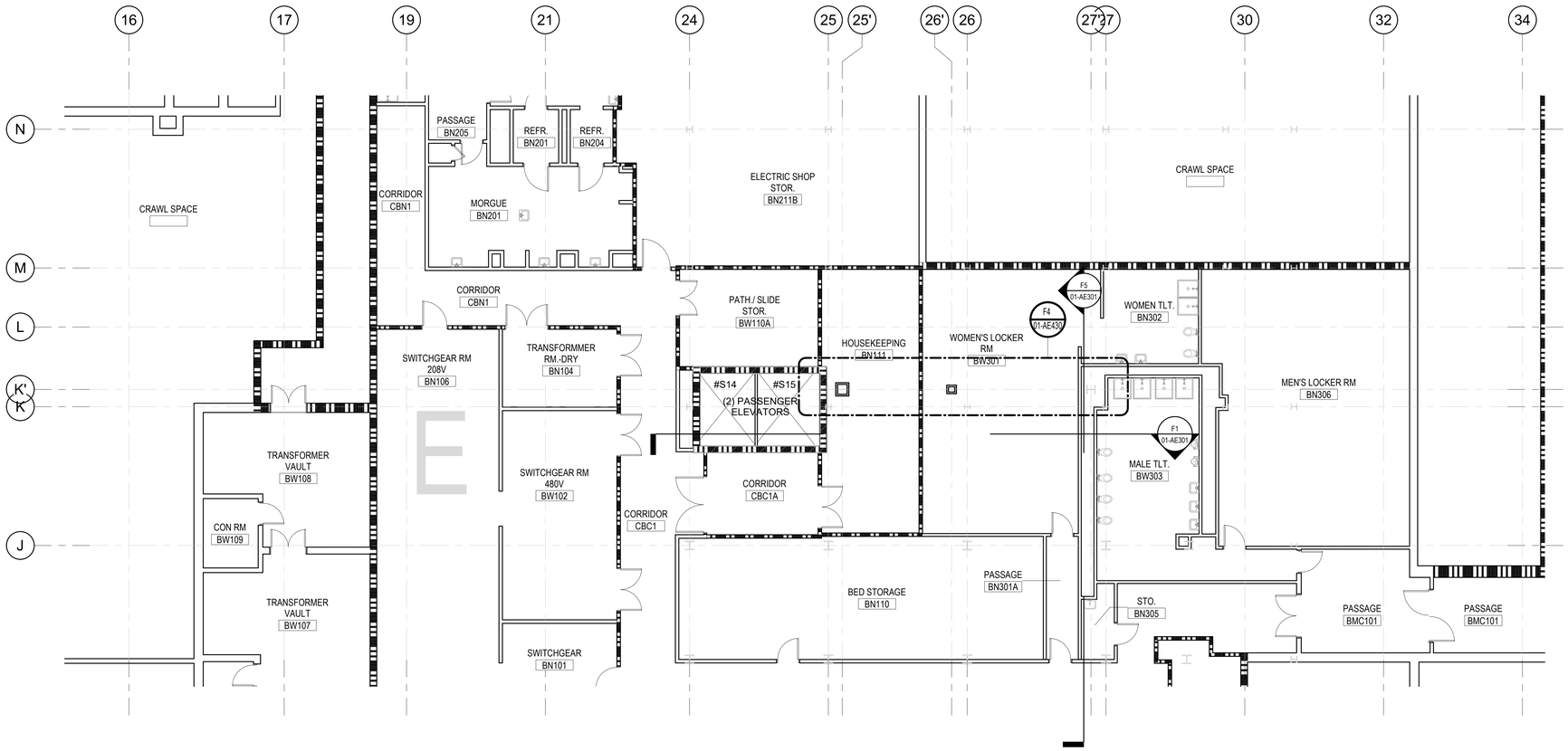

GENERAL NOTES:

BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
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EHRM LEGEND

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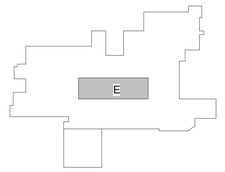
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA014150

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: BASEMENT FLOOR PLAN - AREA E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE121E
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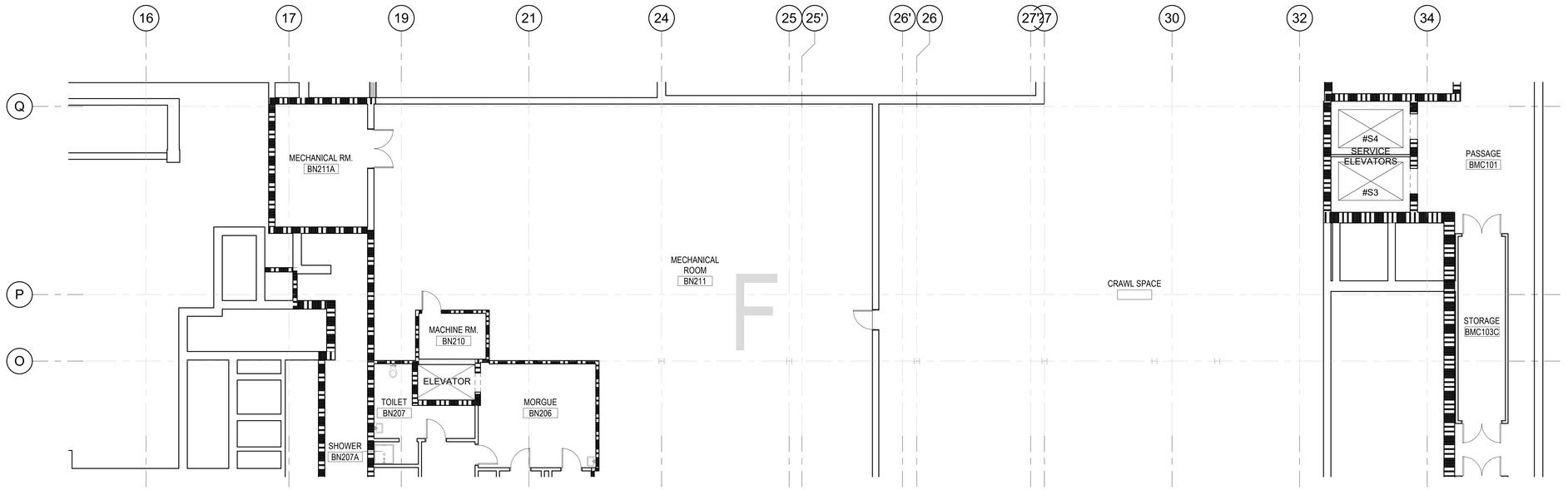


GENERAL NOTES:

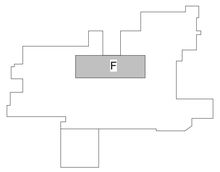
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101	NEW	2	Proposed.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GREGORY H. KLOW NO. RA021634

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BASEMENT FLOOR PLAN - AREA F	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
	Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE121F
Issue Date: 06.13.2025 / Checked / Drawn	SHEET 91 of 797

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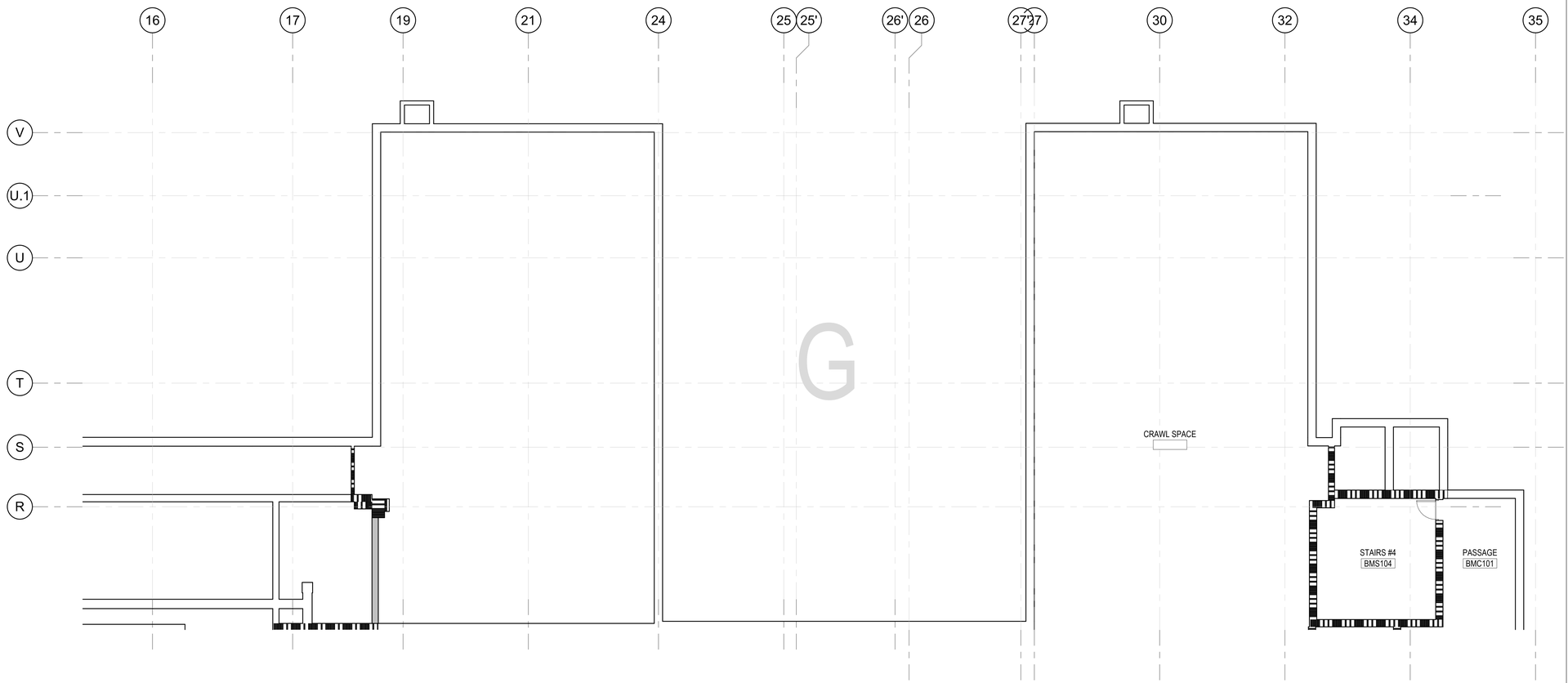

GENERAL NOTES:

BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	ISTS VARIANCE
1	B	BW106B	NEW	2	Proposed. Move to north side per VA to keep open for future expansion of Radiation Therapy.	10' x 10'	8'	11'-10"		
1	B	BC101	NEW	2	Proposed.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/8" = 1'-0" SCALE: 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BASEMENT FLOOR PLAN - AREA G
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE121G
	SHEET 92 of 797

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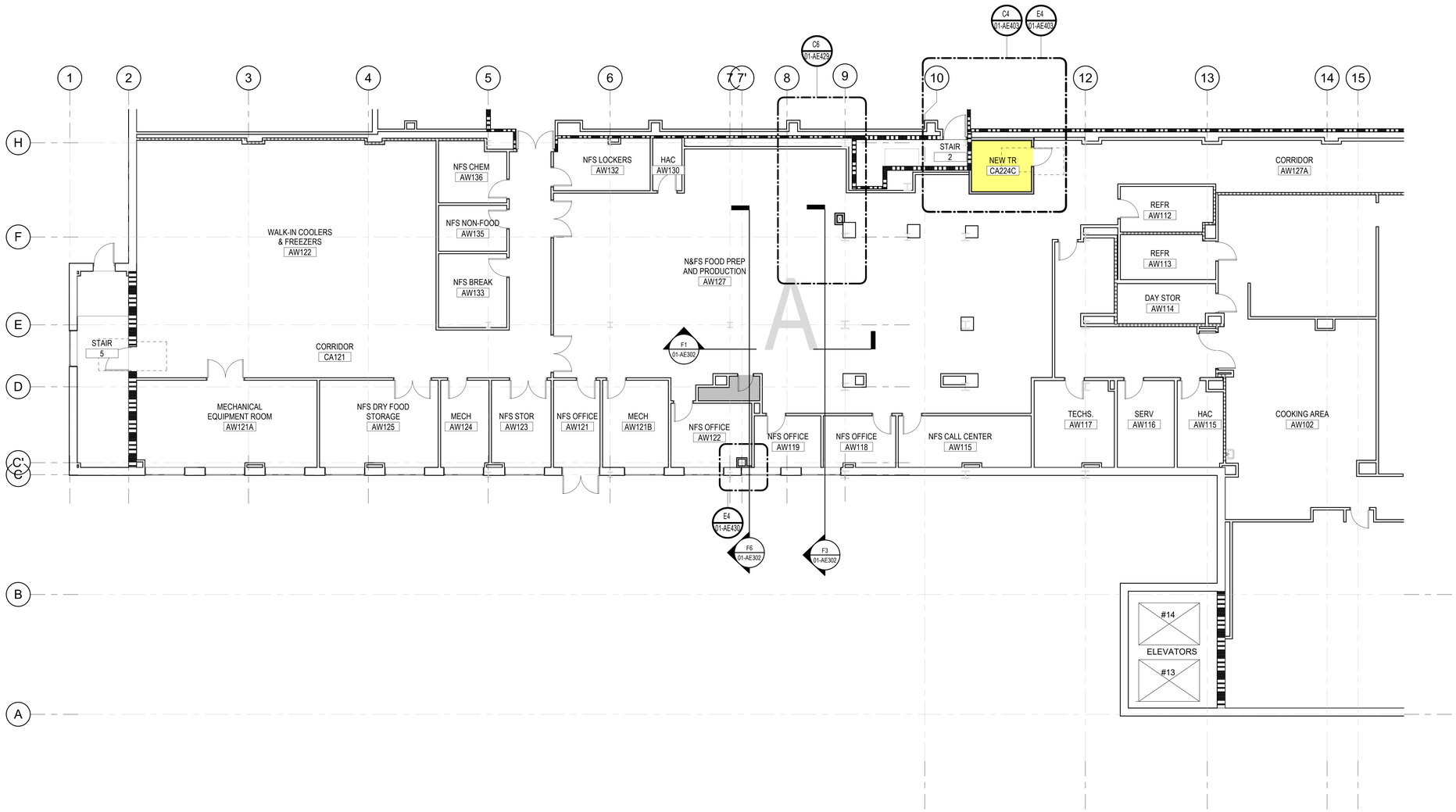


GENERAL NOTES:

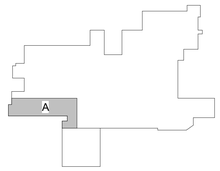
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	9STS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10"	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR PLAN - AREA A	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE122A
			SHEET 93 of 797

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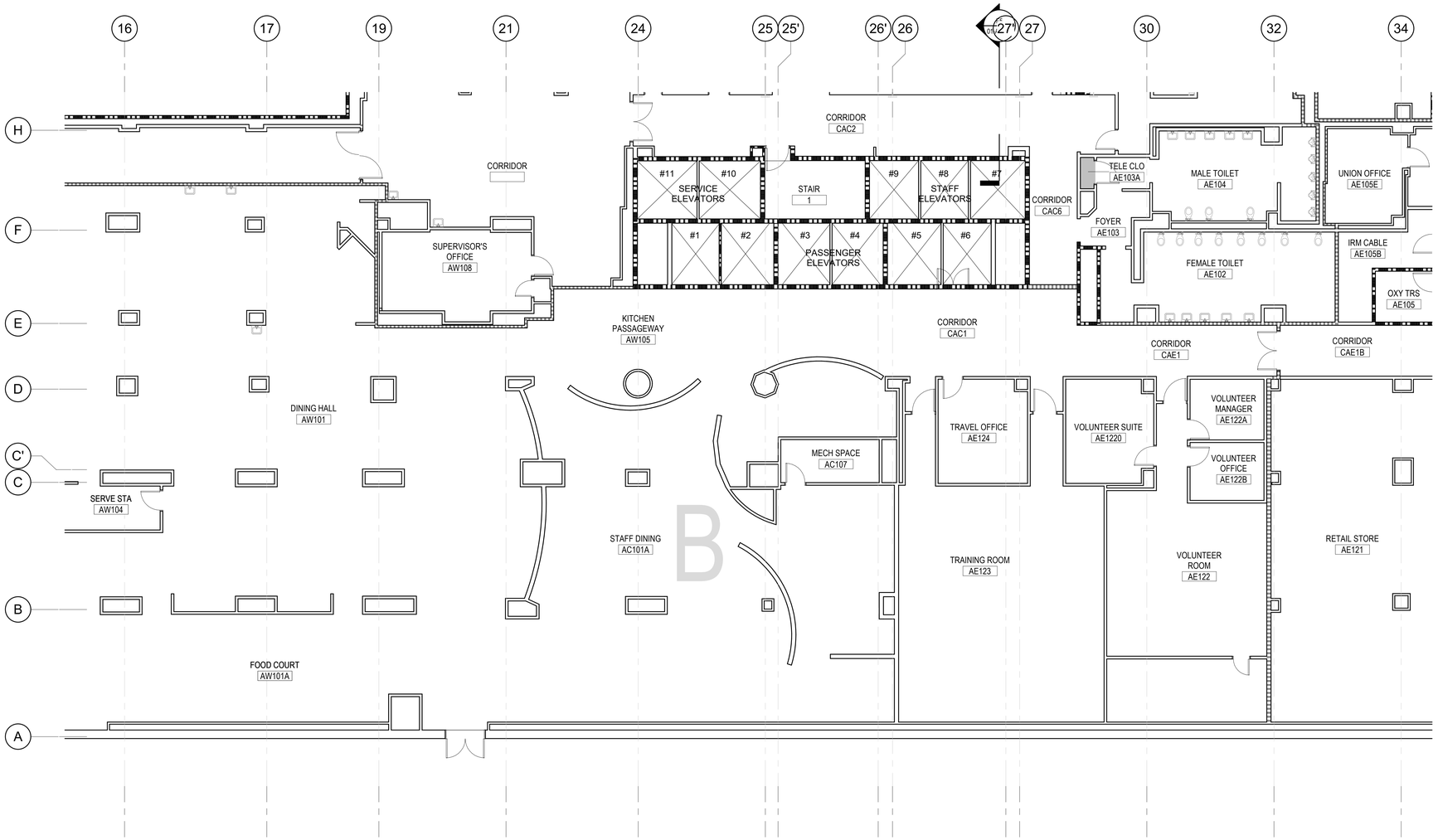

GENERAL NOTES:

BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
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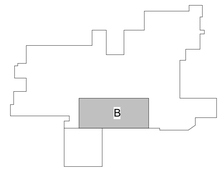
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA
CHRISTOPHER H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR PLAN - AREA B
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE122B
	SHEET 94 of 797

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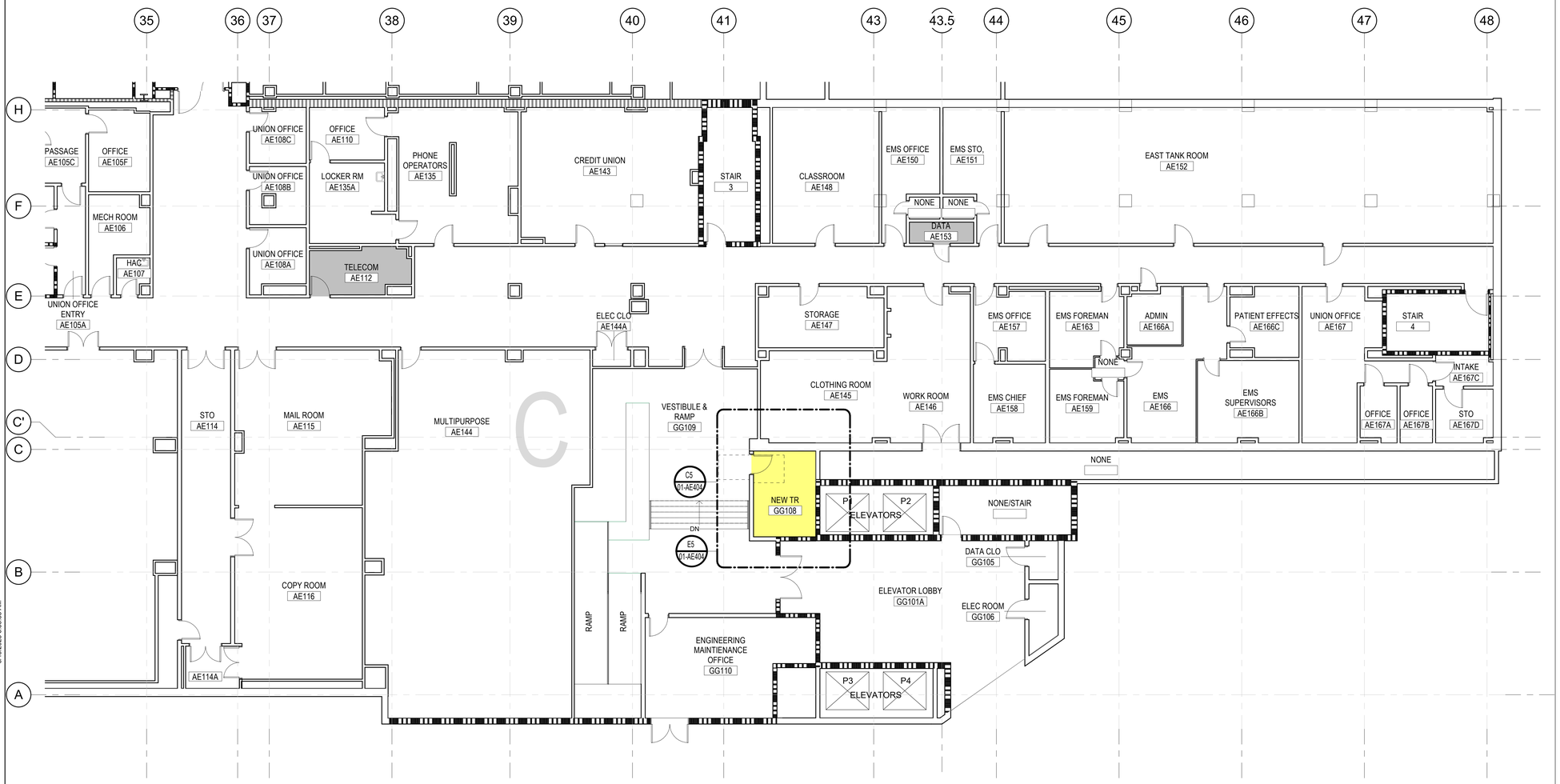


GENERAL NOTES:

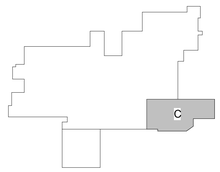
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR PLAN - AREA C
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE122C
	SHEET 95 of 797

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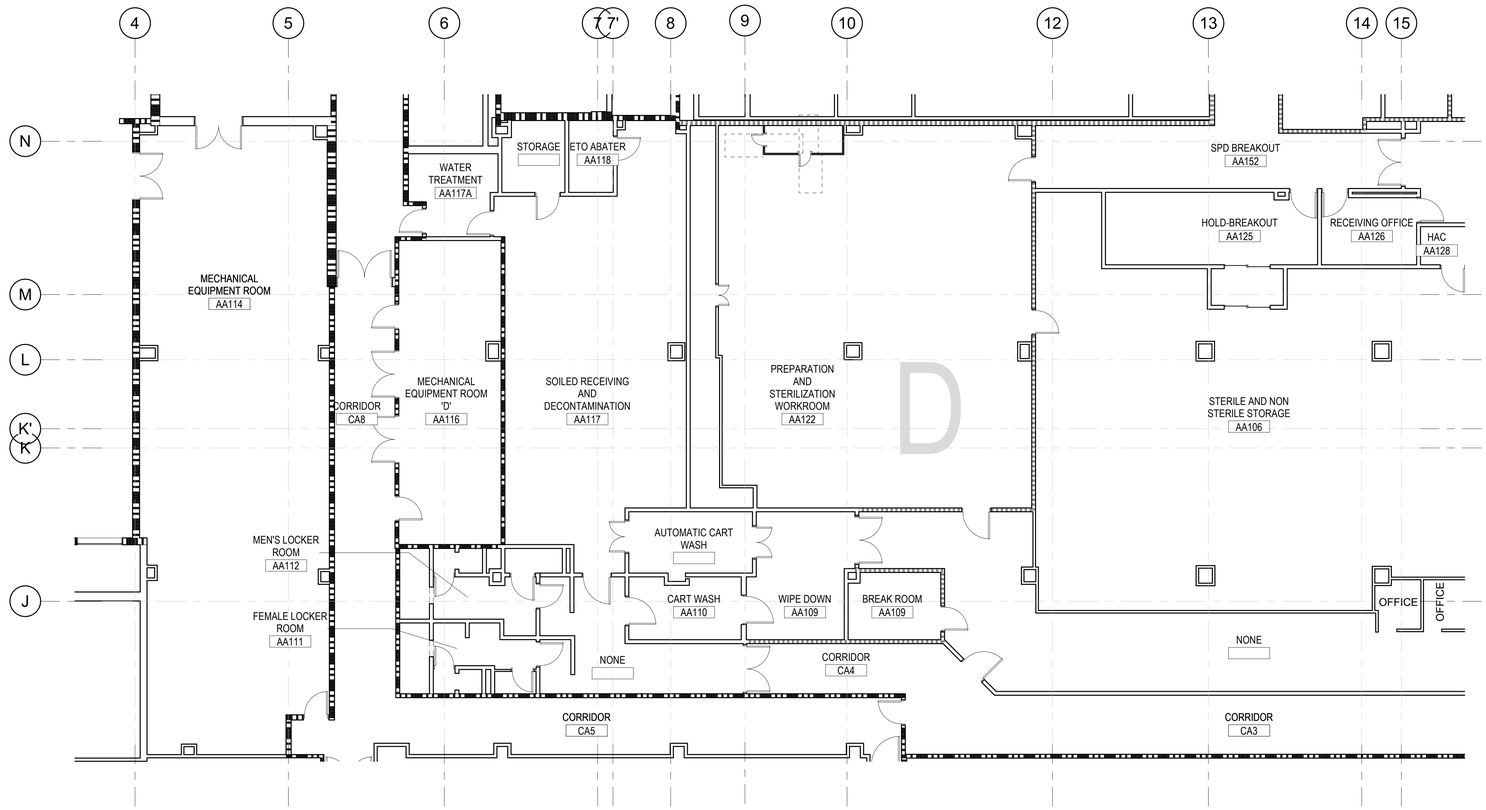


GENERAL NOTES:

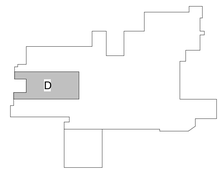
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

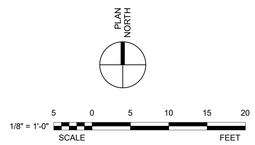
EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER





Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR PLAN - AREA D	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE122D
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 96 of 797

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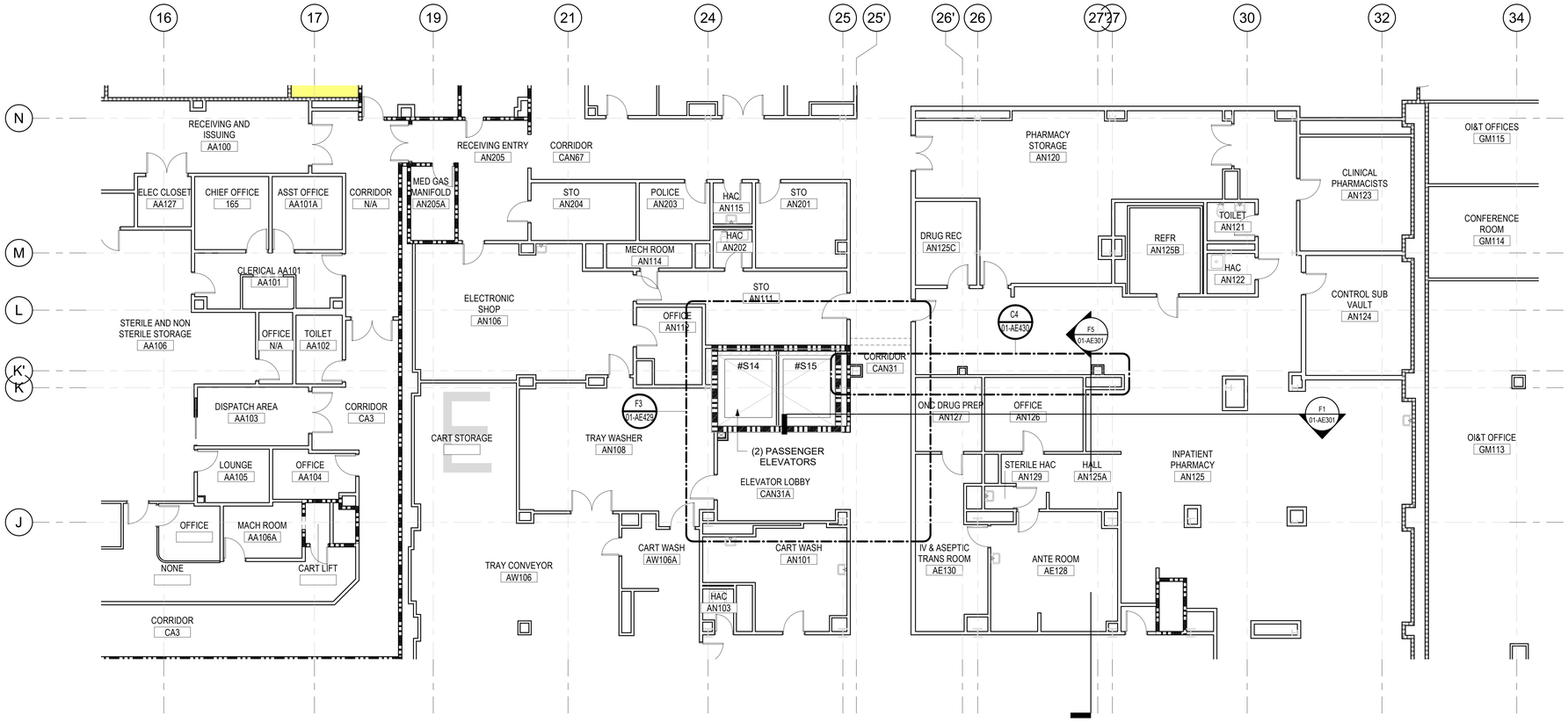


GENERAL NOTES:

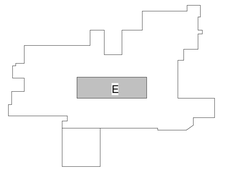
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR PLAN - AREA E
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE122E
	SHEET 97 of 797

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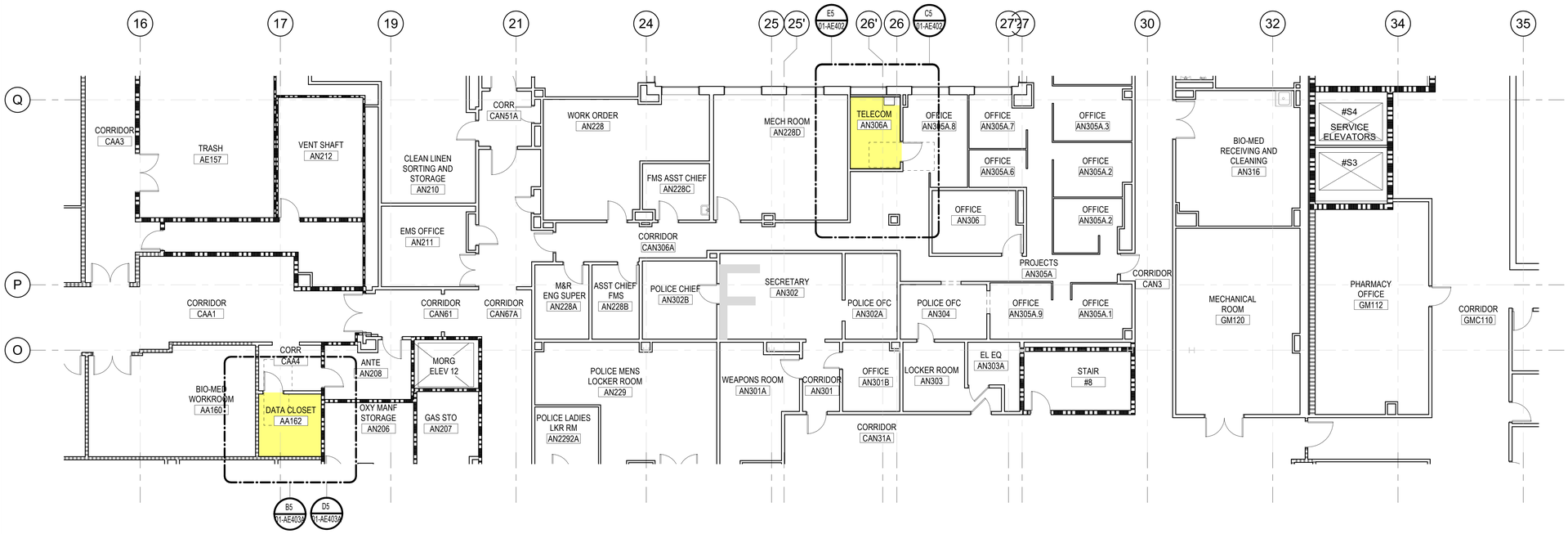


GENERAL NOTES:

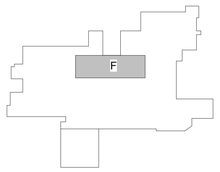
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
GREGORY H. KLOW No. RA014150

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR PLAN - AREA F	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS		Project Number: 646-22-700
		Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240		Drawing Number: 01-AE122F
Issue Date: 06.13.2025	Checked:	Drawn:

SHEET 98 of 797

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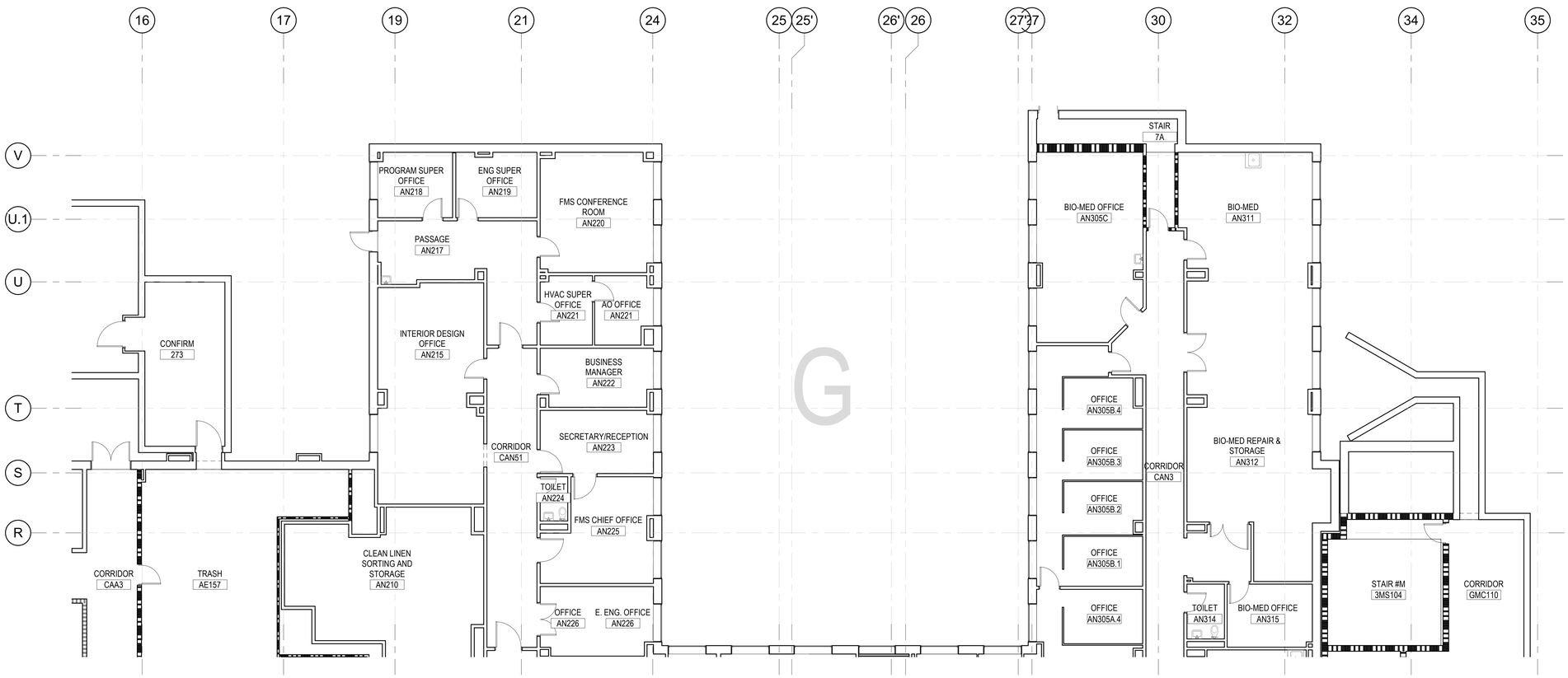

GENERAL NOTES:

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
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- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GLENN H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR PLAN - AREA G
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE122G
	SHEET 99 of 797

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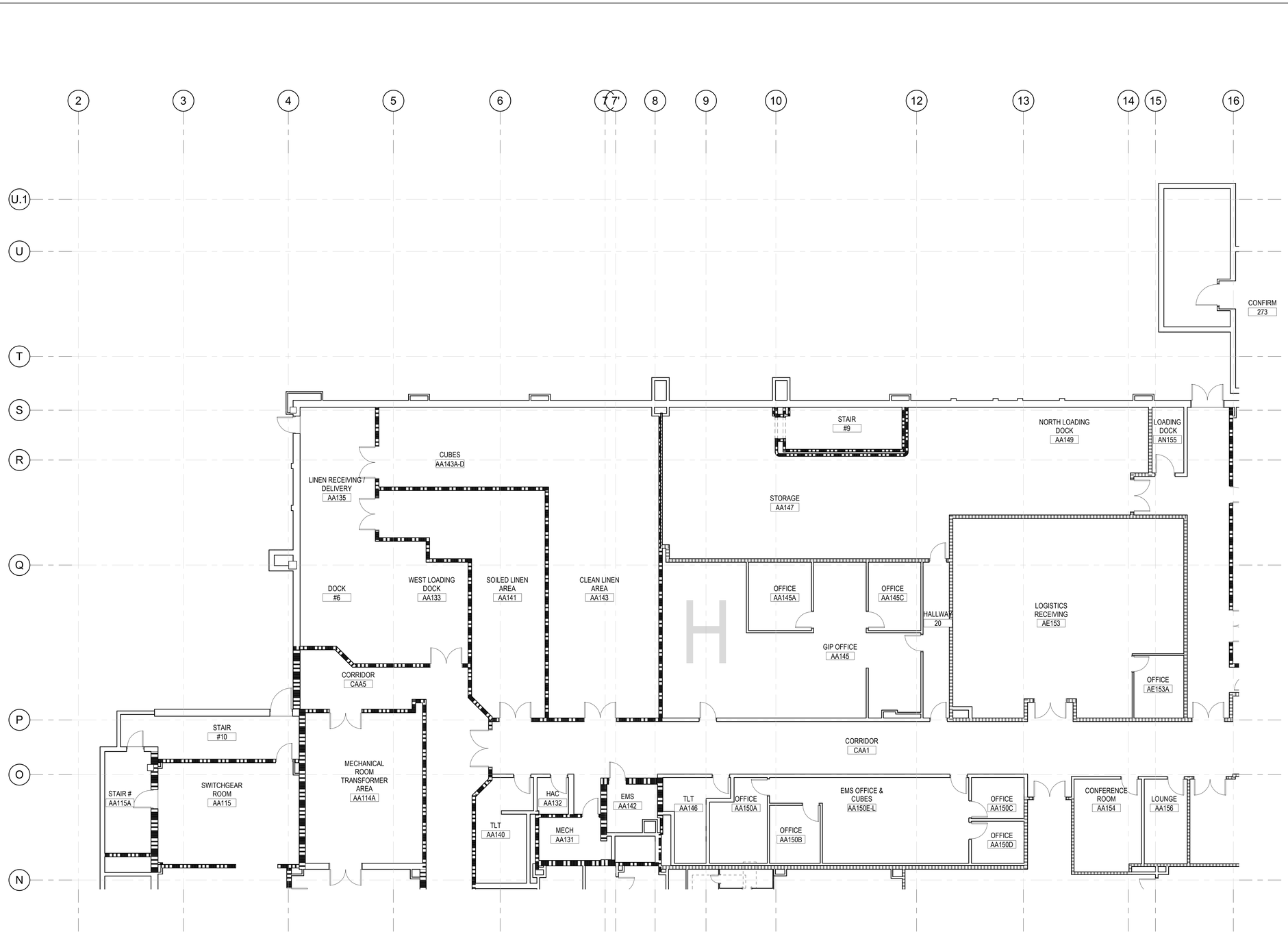


GENERAL NOTES:

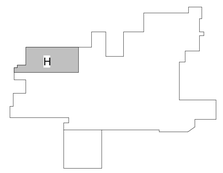
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA014150

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR PLAN - AREA H
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE122H
	SHEET 100 of 797

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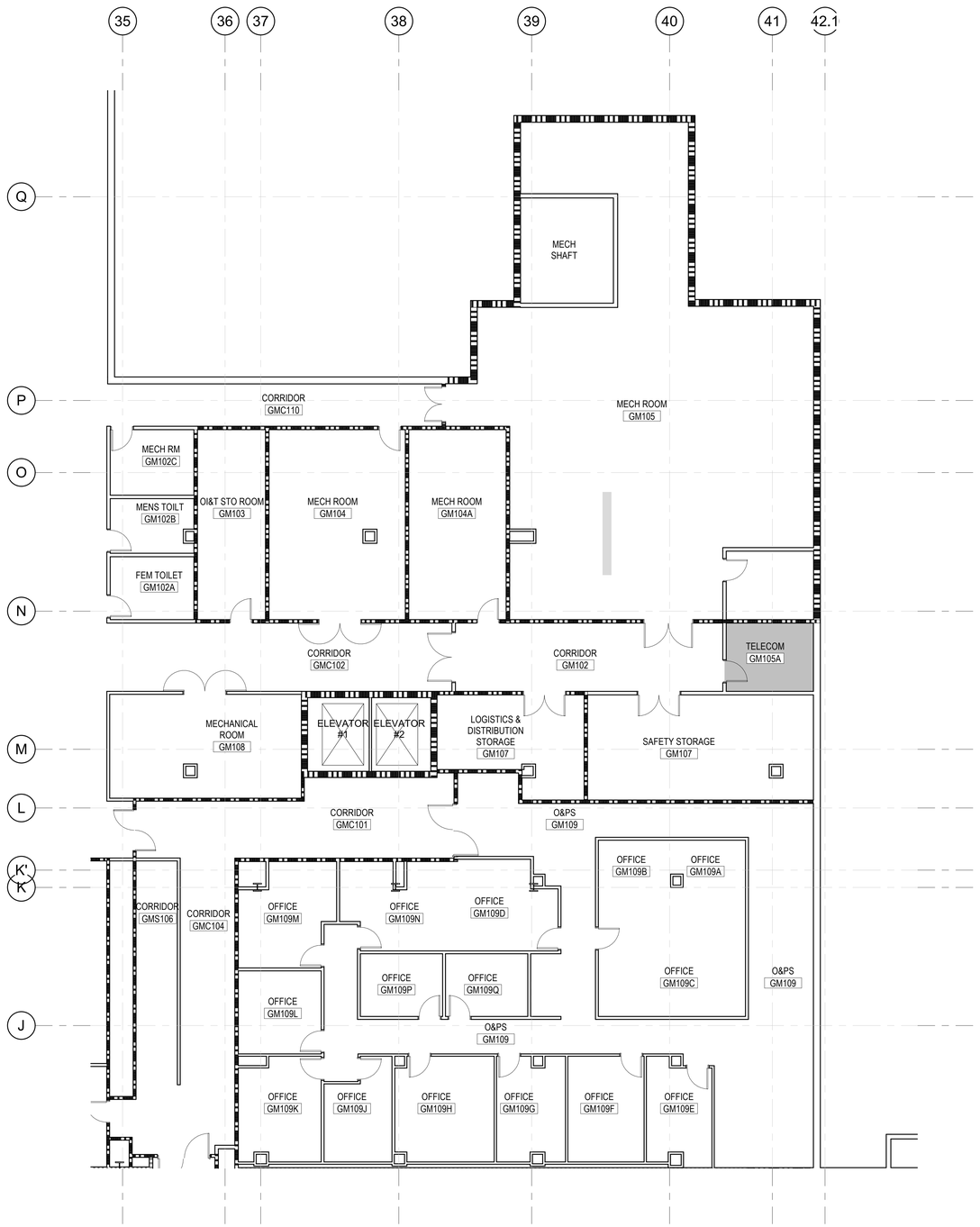


GENERAL NOTES:

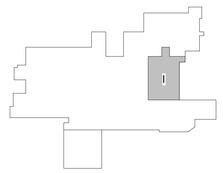
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	G	CA224C	NEW	2	Proposed. Locate plan east of Stair 2.	8'6" x 10'	10'-0"	8'-6"	YES	
1	G	GG108	NEW	2	Proposed. Dimensions appear adequate, but need reconfirmation.		10'-1"	13'-11"		
1	G	AN306A	REMAIN	2	Proposed. Exception to retain as is. Slightly undersized.		8'	11'-10"	YES	
1	G	AA162	REMAIN		Remain.		10'-0"	10'-0"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA JOHN H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR PLAN - AREA I
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE122I
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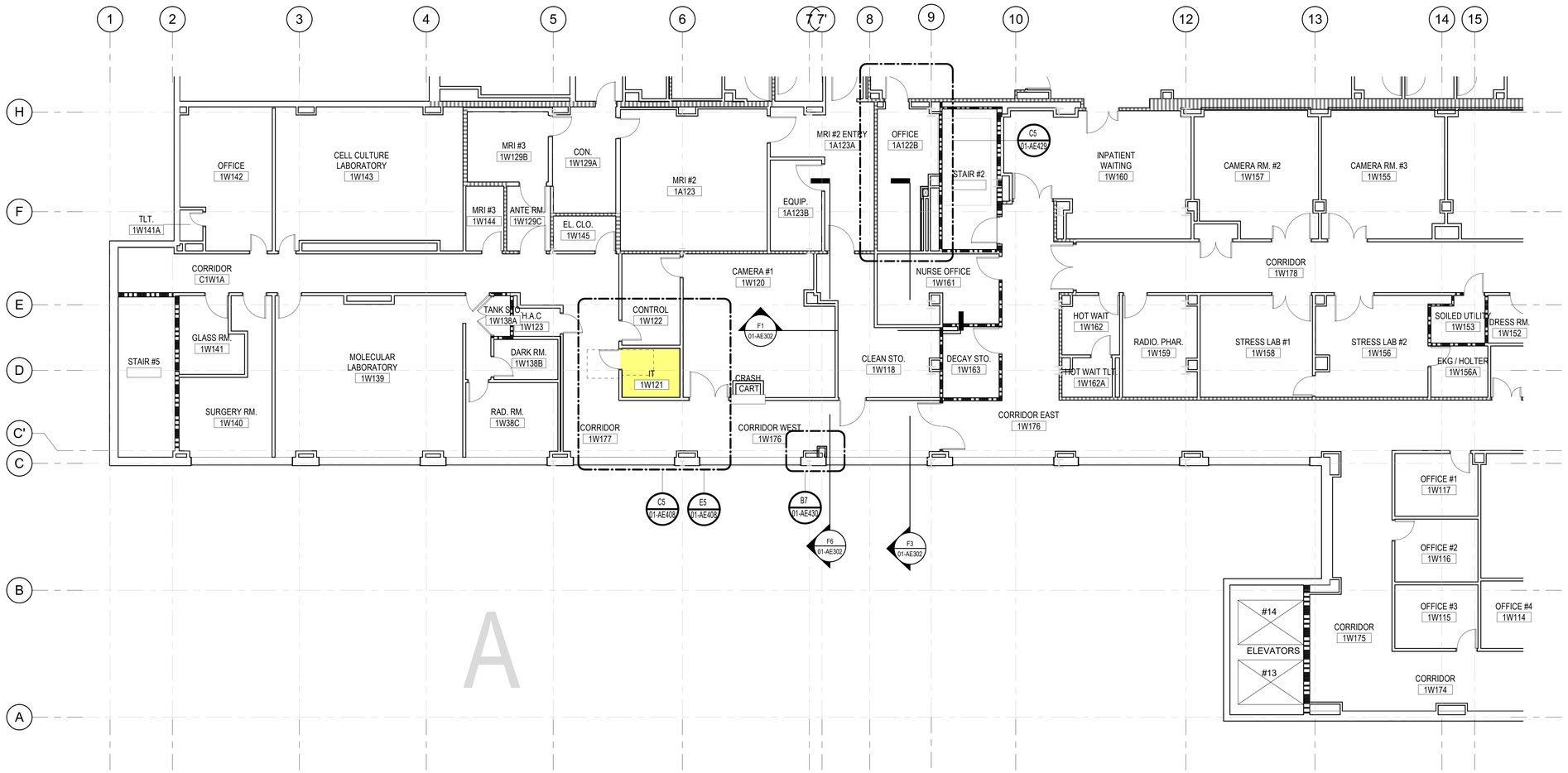

GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	SSTS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
1	1	1G111		NEW	2	Current storage room proposed. Existing dimensions are undersized. Recommend minimum expansion in both width and depth.	10' 10 1/2" x 10'				
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
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- NEW PARTITION
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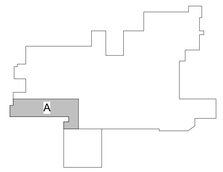
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
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215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FIRST FLOOR PLAN - AREA A
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE123A
	SHEET 102 of 797

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VA FORM 08 - 6231

GENERAL NOTES:

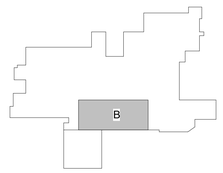
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RM/CK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
1	1	1G111		NEW	2	Current storage room proposed. Existing dimensions are undersized. Recommend minimum expansion in both width and depth.	10' 10 1/2" x 10'				
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GLENN H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FIRST FLOOR PLAN - AREA B
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE123B
	SHEET 103 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.01-A-PIT EHRM.rvt
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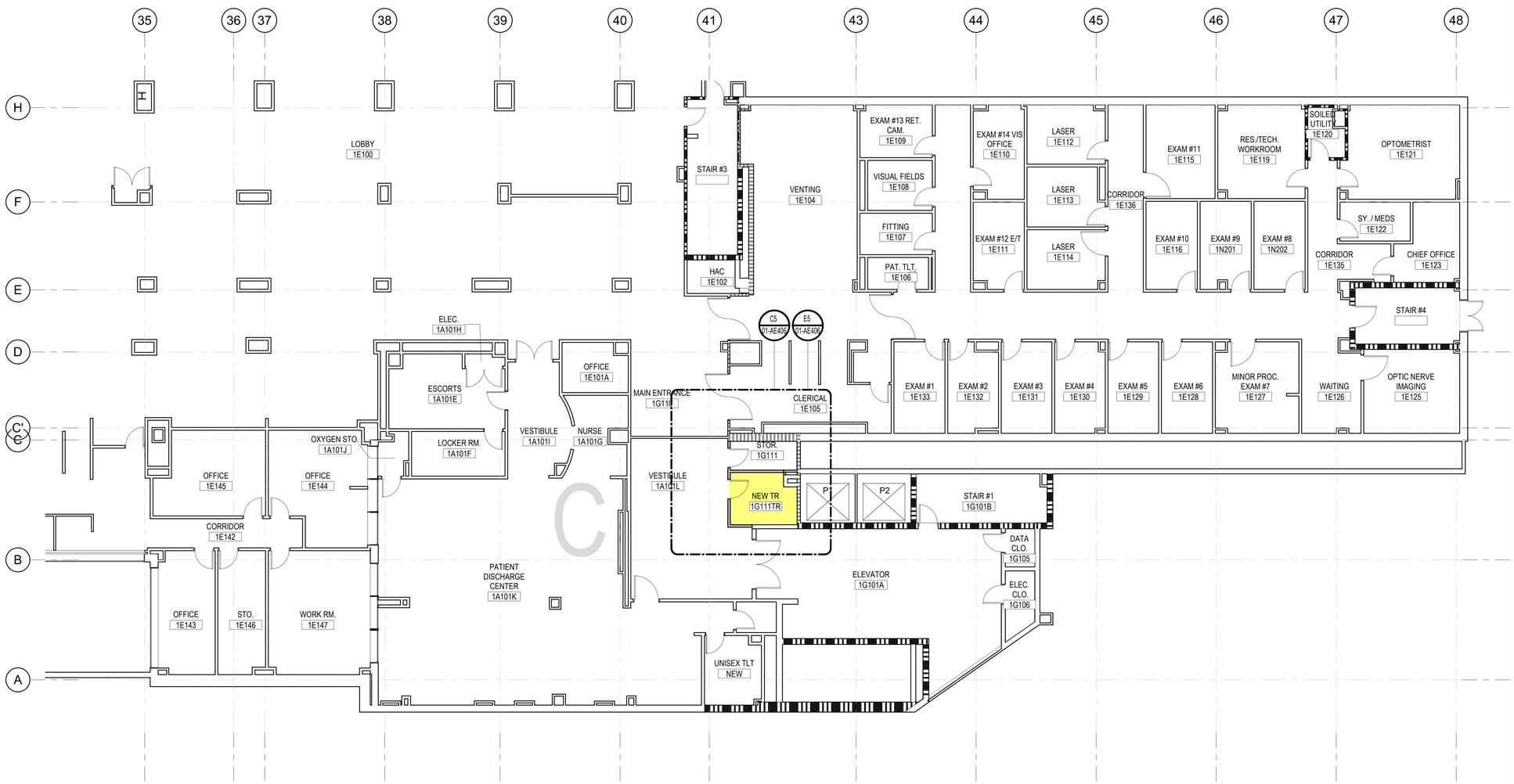


GENERAL NOTES:

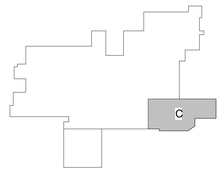
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
1	1	1G111		NEW	2	Current storage room proposed. Existing dimensions are undersized. Recommend minimum expansion in both width and depth.	10' 10 1/2" x 10'				
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FIRST FLOOR PLAN - AREA C
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE123C
	SHEET 104 of 797

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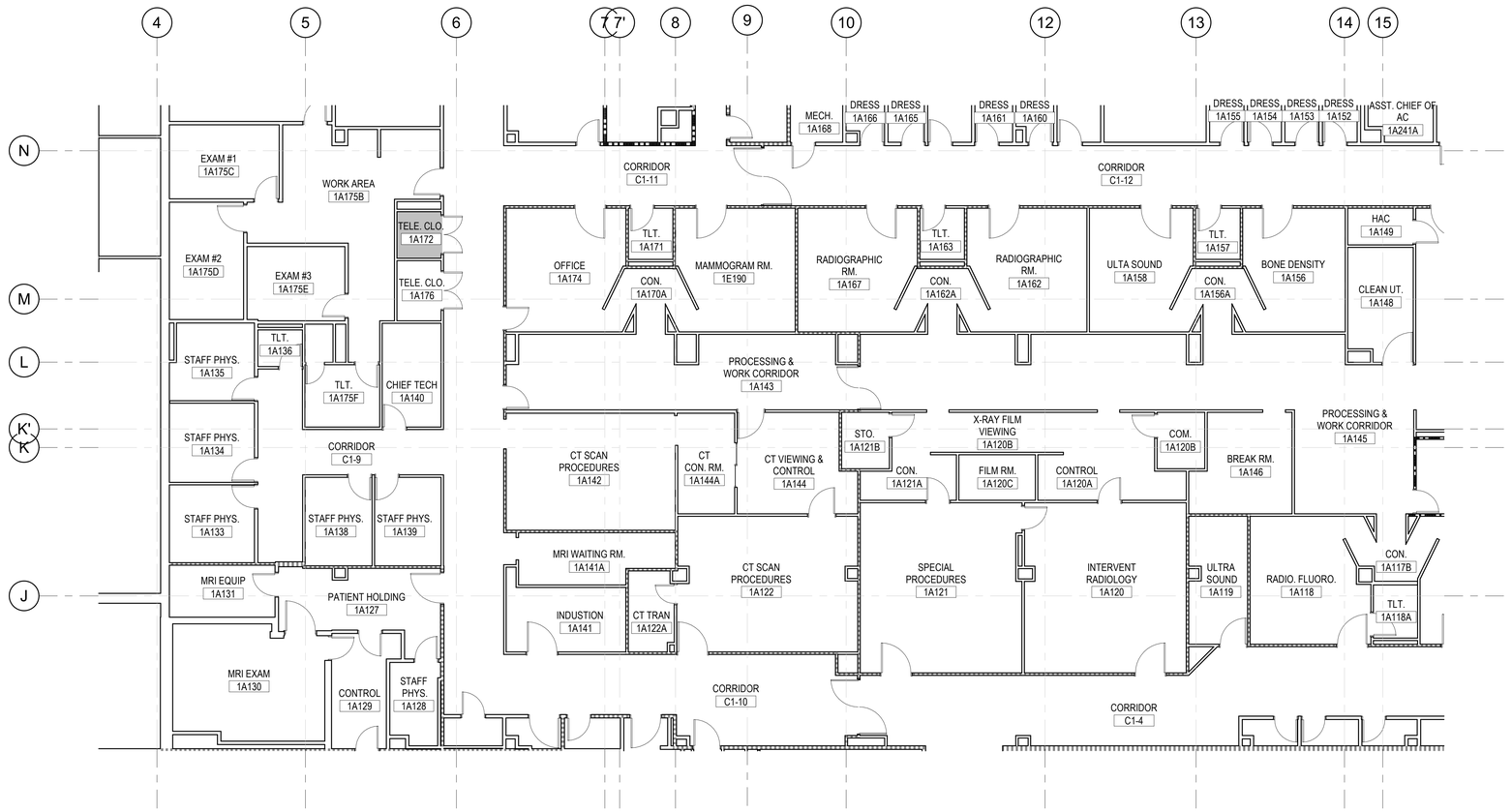


GENERAL NOTES:

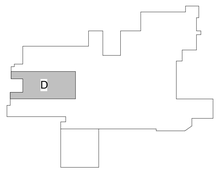
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RM/CK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	SSTS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
1	1	1G111		NEW	2	Current storage room proposed. Existing dimensions are undersized. Recommend minimum expansion in both width and depth.	10' 10 1/2" x 10'				
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GREGORY H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN - AREA D	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Building Number: 1	
		Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE123D
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 105 of 797

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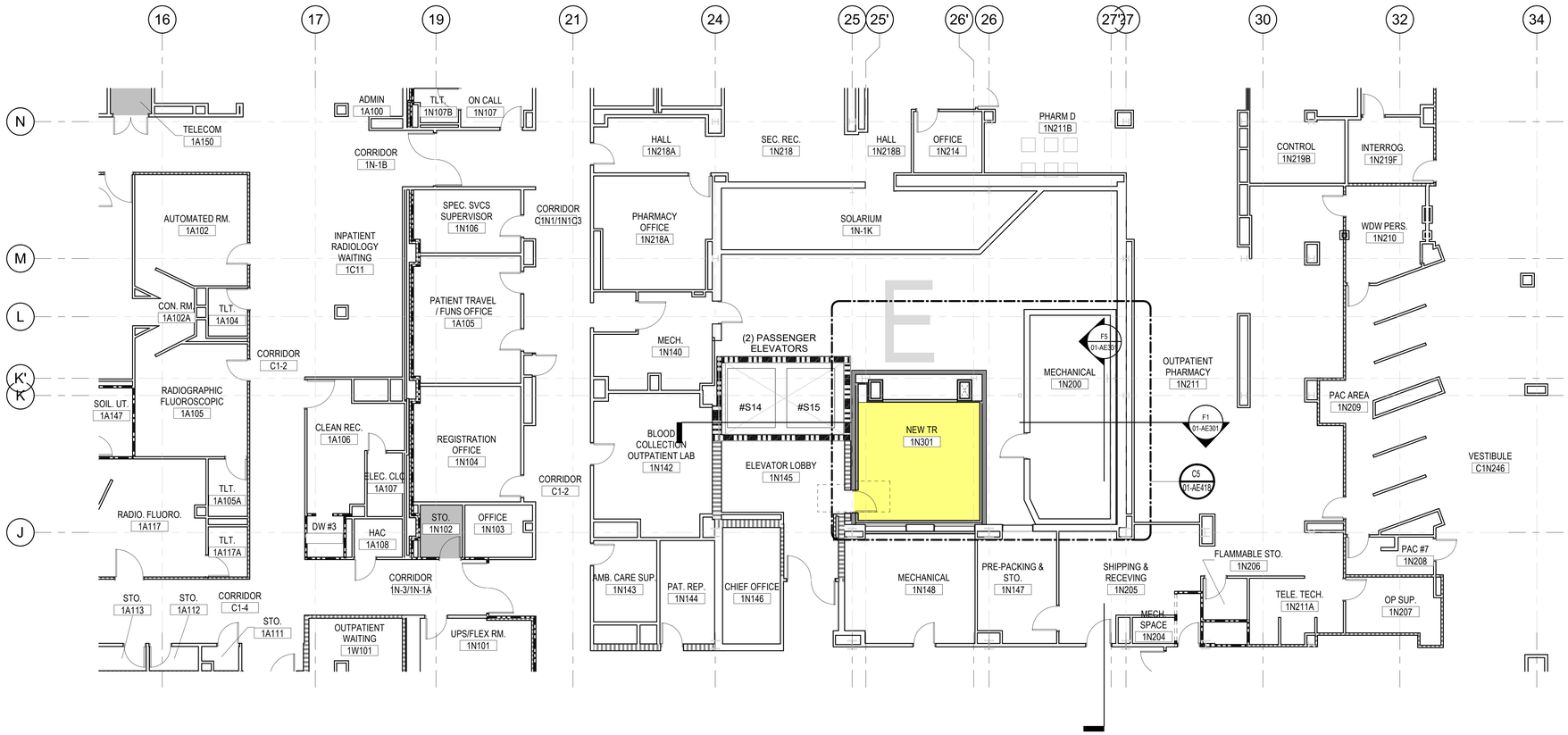

GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
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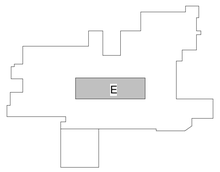
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA — CHRISTINE H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN - AREA E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE123E
			SHEET 106 of 797

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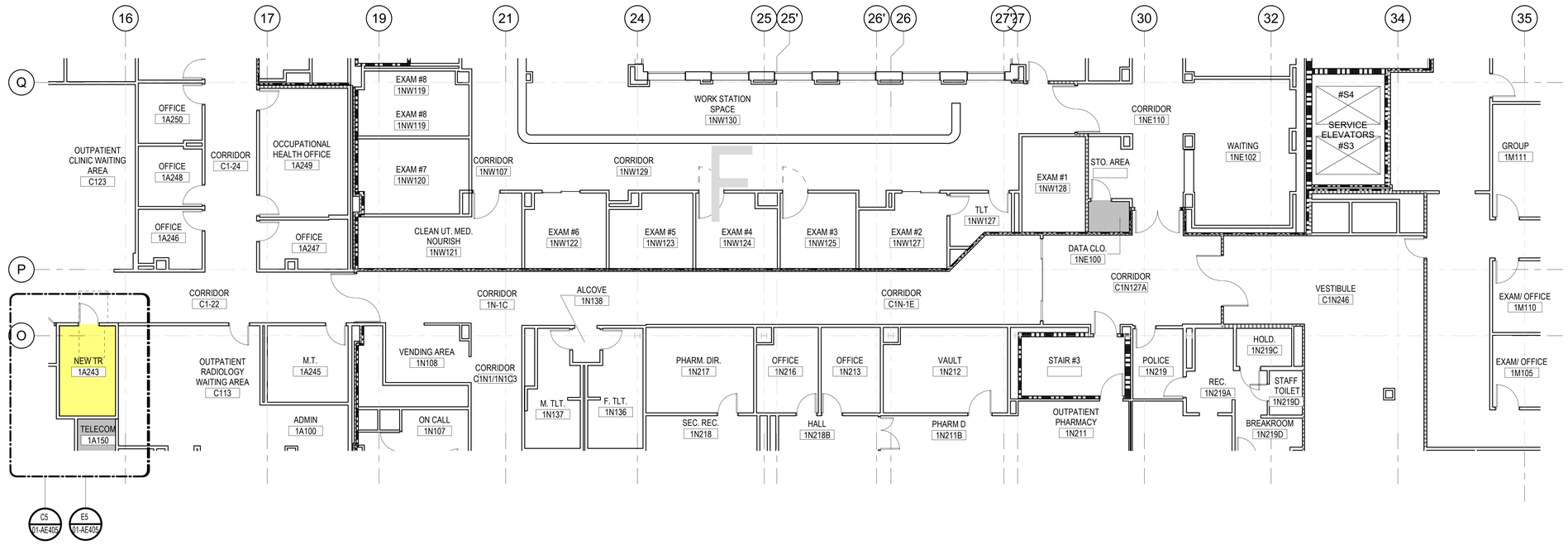

GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RM/CK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
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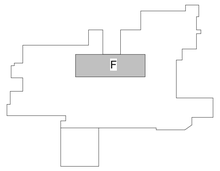
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FIRST FLOOR PLAN - AREA F
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE123F
	SHEET 107 of 797

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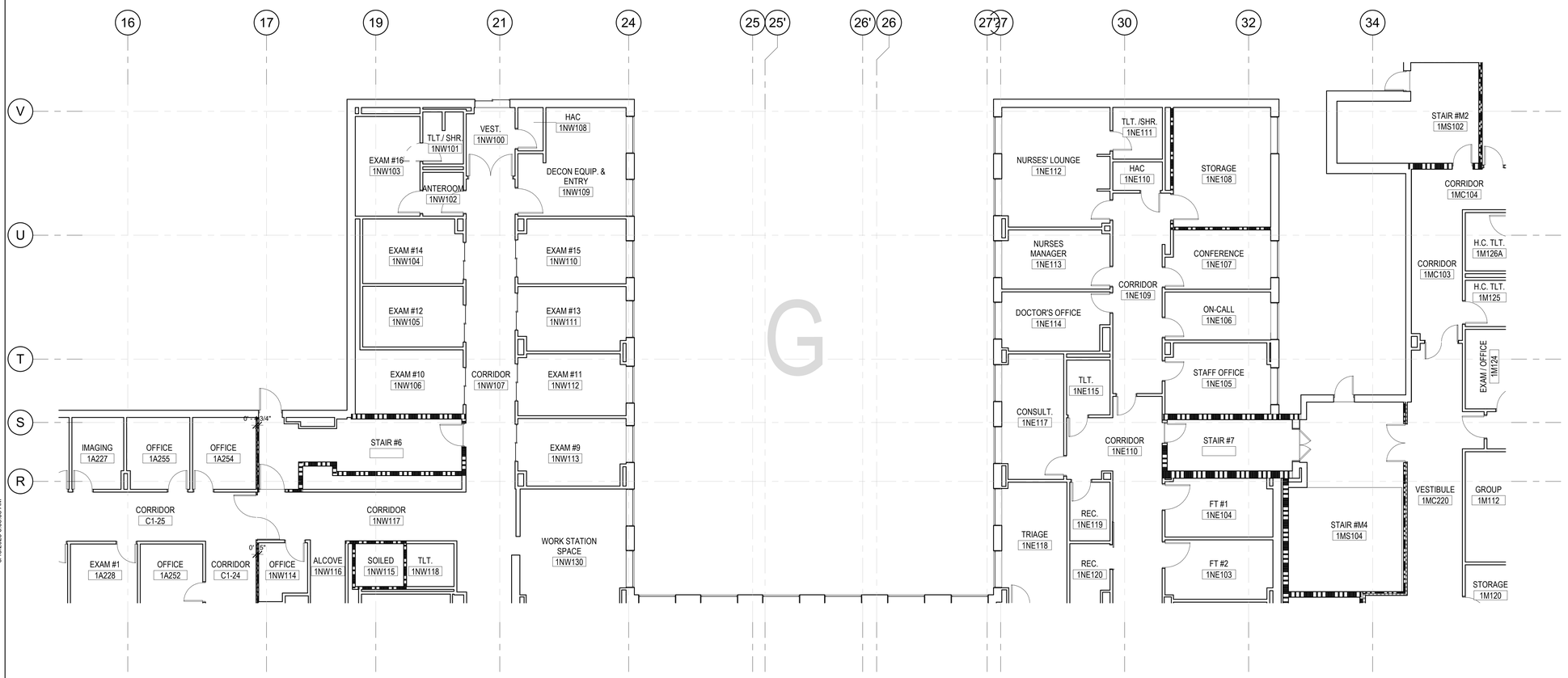

GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	1	1A243		NEW	2	Proposed.		6'-0"	8'-9"		
1	1	1G111		NEW	2	Current storage room proposed. Existing dimensions are undersized. Recommend minimum expansion in both width and depth.	10' 10 1/2" x 10'				
1	1	1N301		NEW	2						
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN - AREA G

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked:

Drawn:

Project Number: 646-22-700

Building Number: 1

Drawing Number: 01-AE123G

SHEET 108 of 797

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GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
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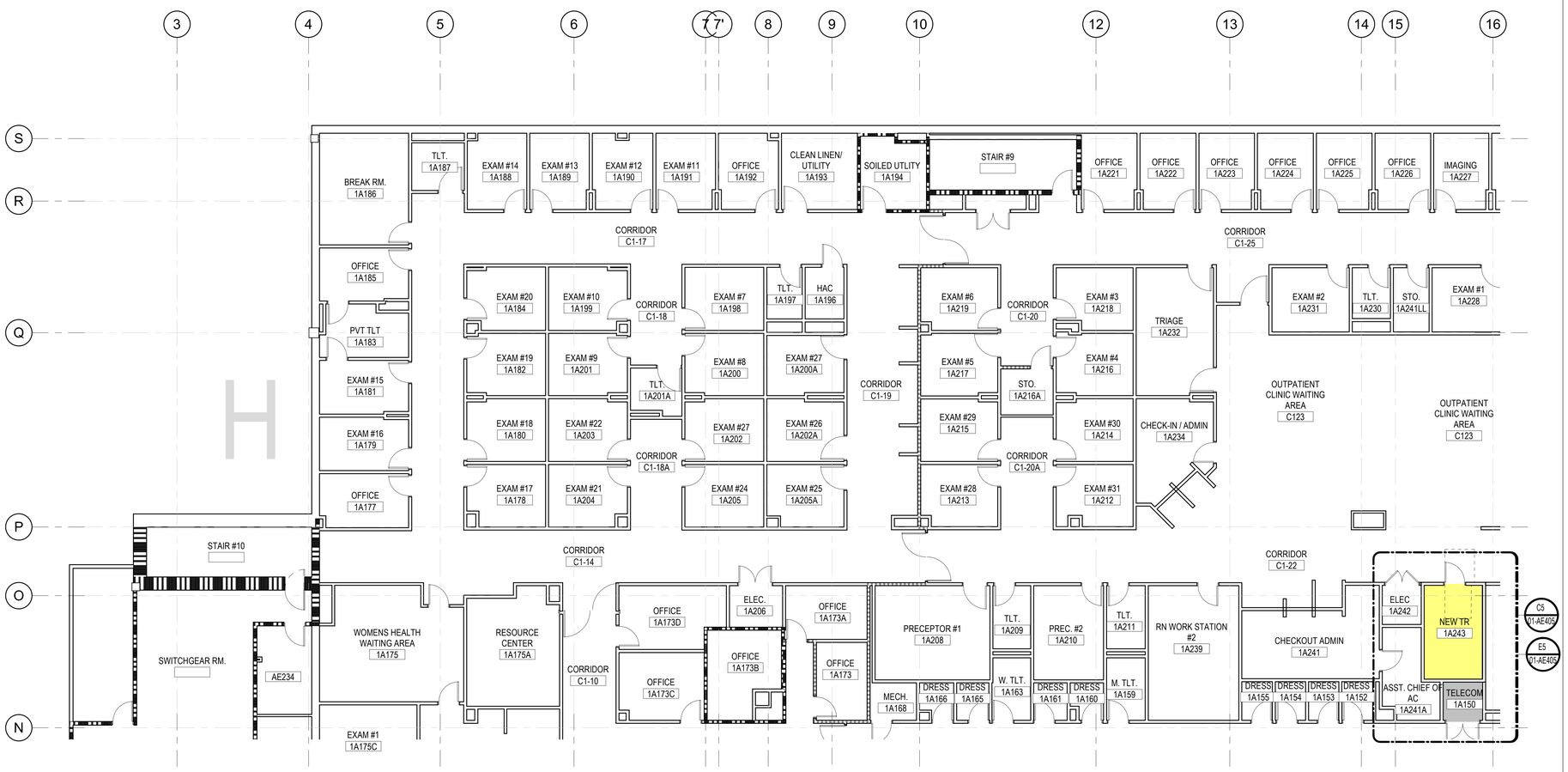
1	1	1W121	X	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized, but dimensions are close.		7'-9"	9'-2"	YES	
29	1	1M195A	X	REMAIN	2	Reviewed and proposed.		11'-11"	11'-6"		



EHRM LEGEND

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- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
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- DEMOLITION
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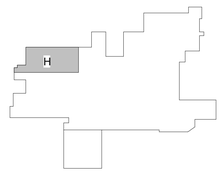

PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA RENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN - AREA H	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE123H
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 109 of 797

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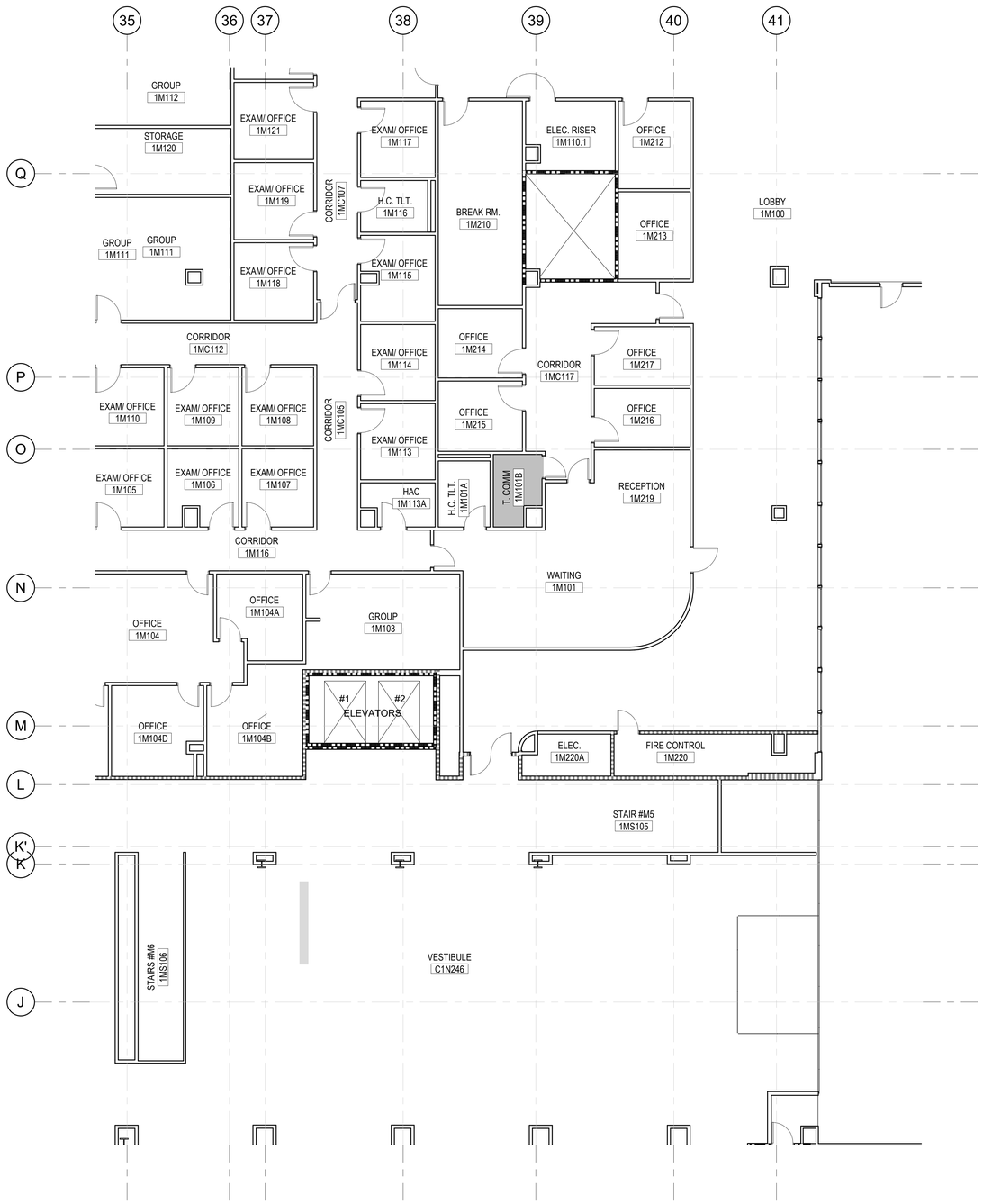

GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
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EHRM LEGEND

- ASSIGNED
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- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
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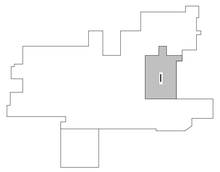
- WATER BARRIER



PLAN NORTH

Revisions:	Date:

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A/E:
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215 N. Payne Street, Suite 122
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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN - AREA I	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE123I
			SHEET 110 of 797

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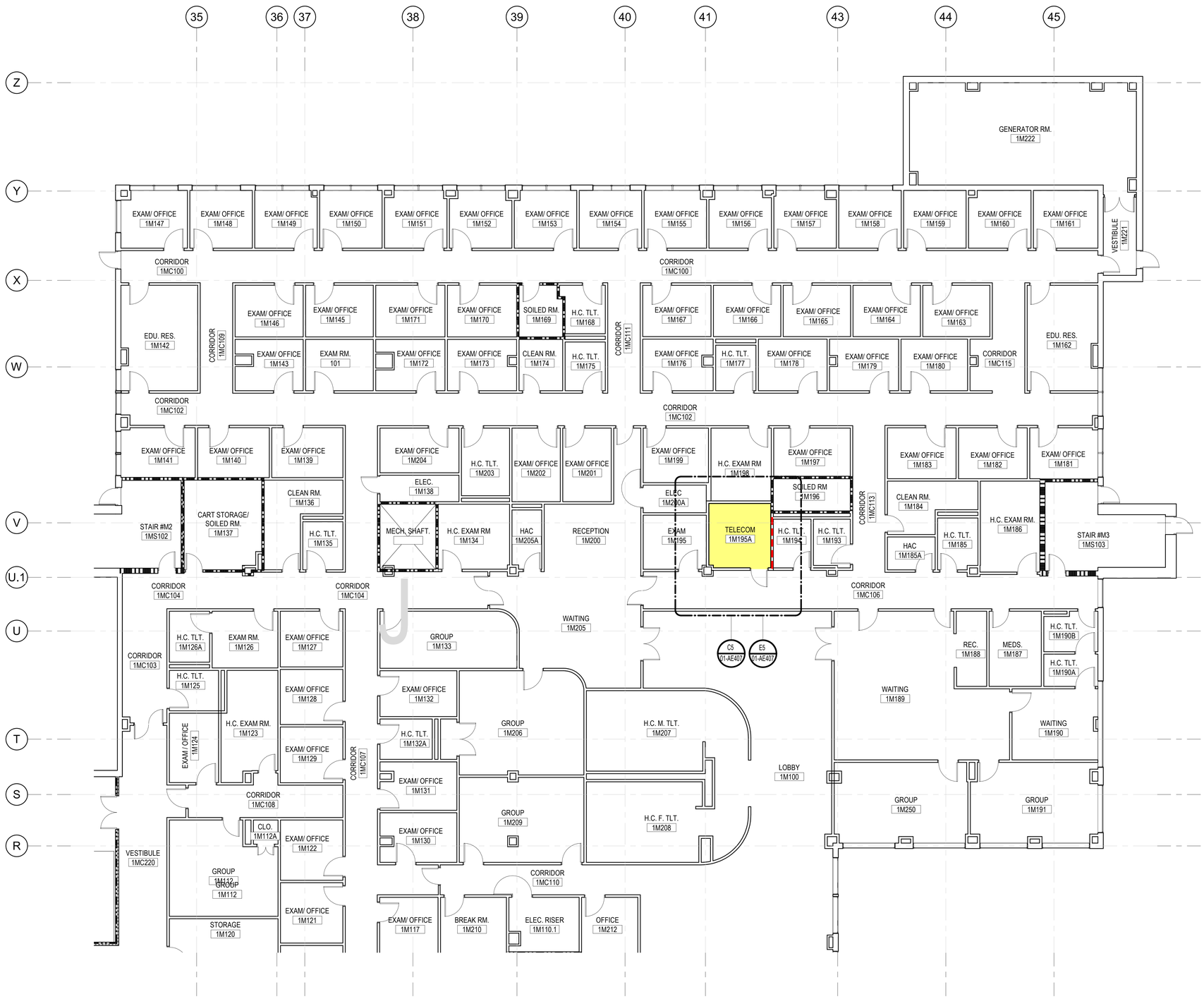

GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
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EHRM LEGEND

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PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
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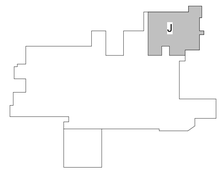
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA RENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR PLAN - AREA J	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE123J
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 111 of 797

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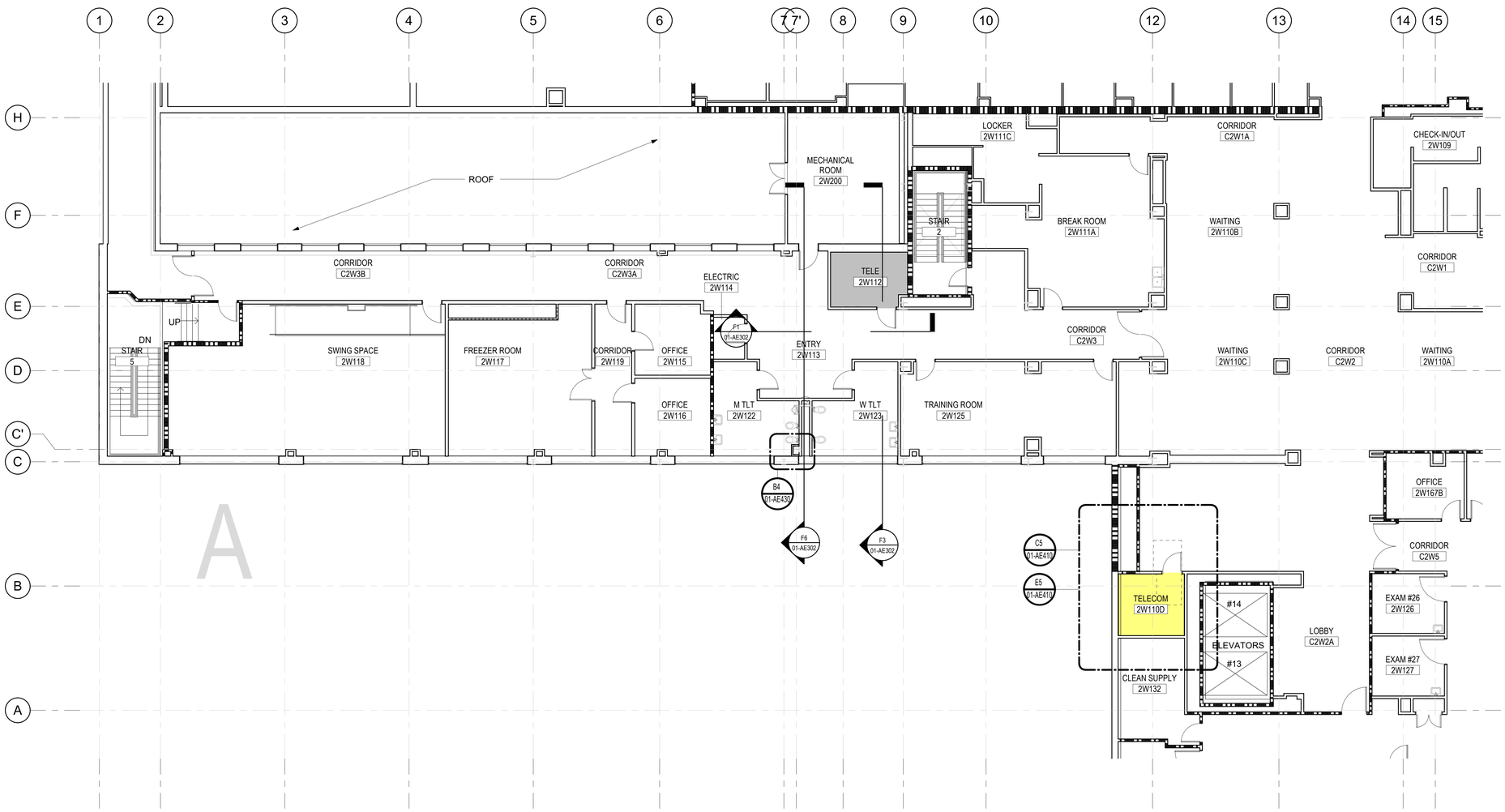


GENERAL NOTES:

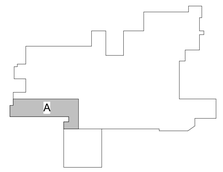
BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

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REGISTERED ARCHITECT PENNSYLVANIA
RENE H. KLOW NO. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLAN - AREA A	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE124A SHEET 112 of 797

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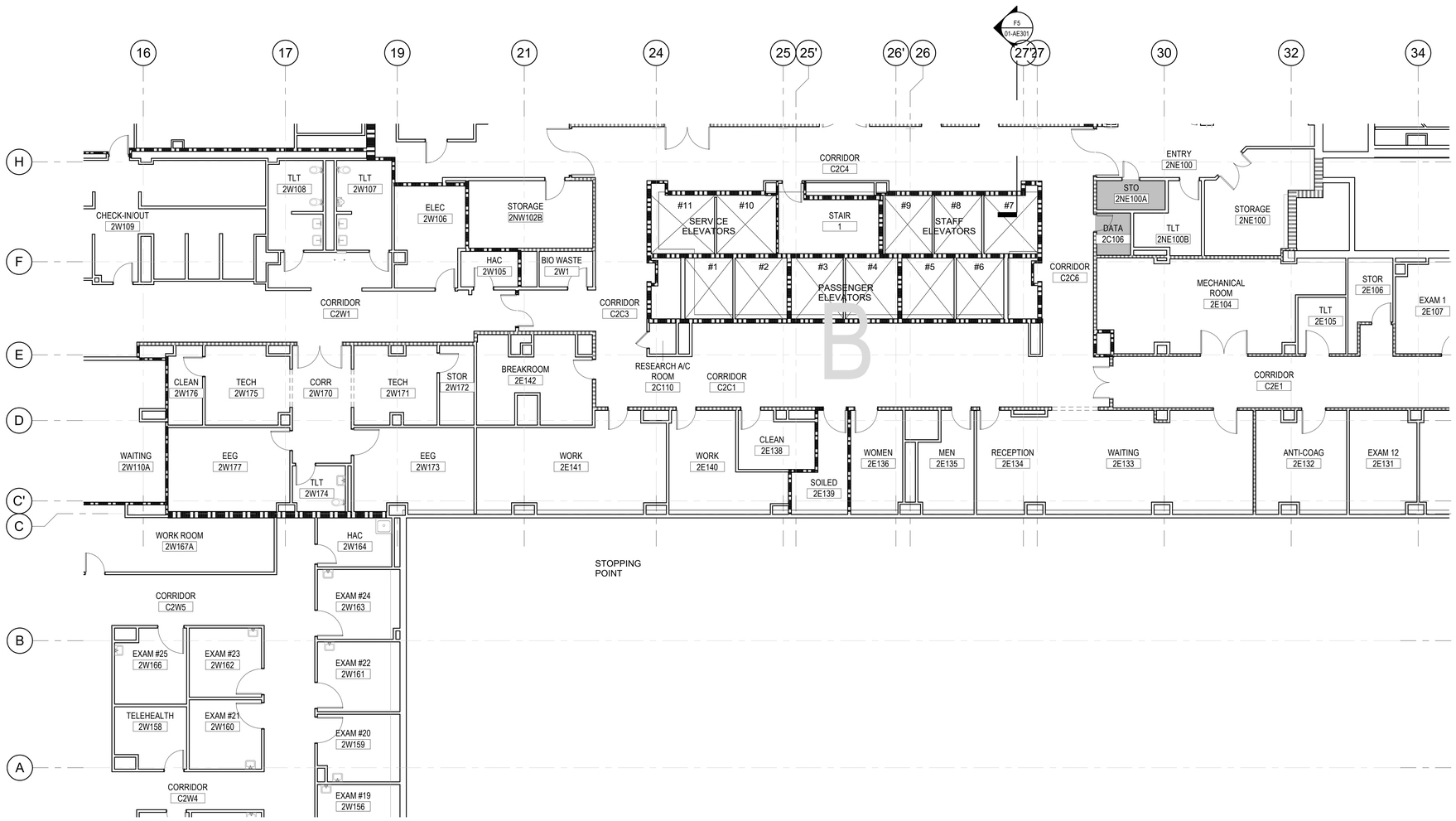


GENERAL NOTES:

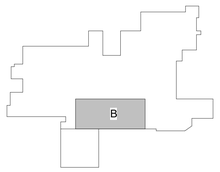
BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA — CARLIN HI KLOW No. RA007174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLAN - AREA B	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE124B
			SHEET 113 of 797

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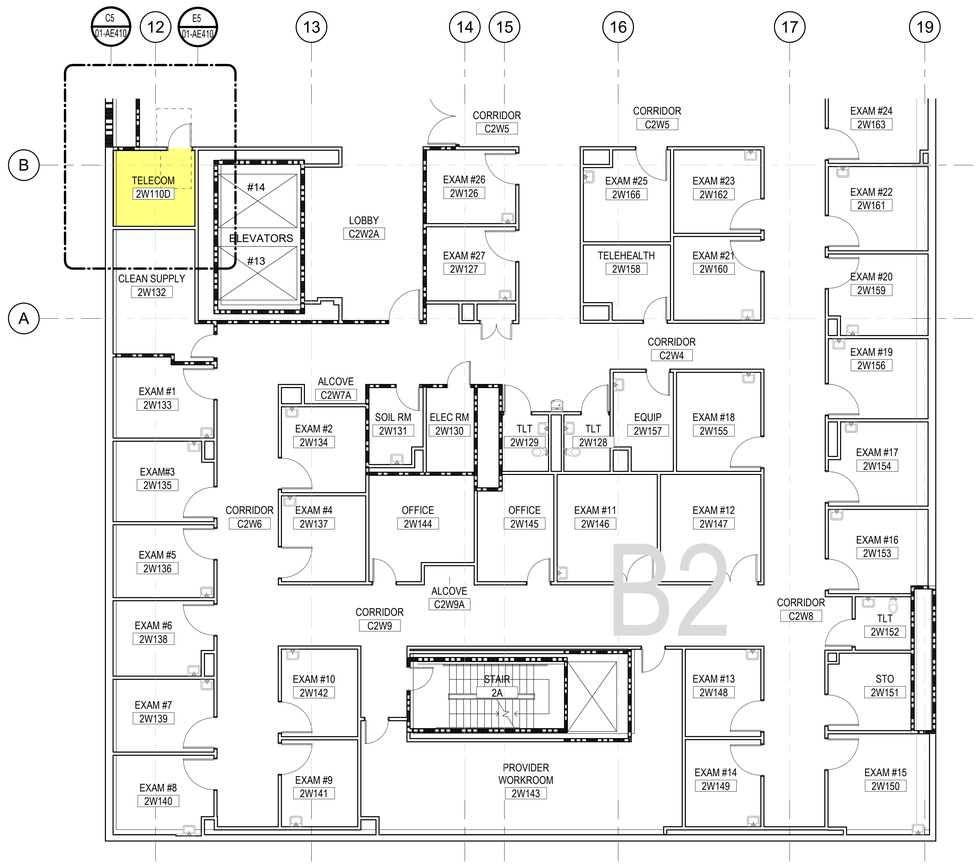

GENERAL NOTES:

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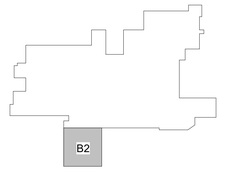
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLAN - AREA B2

Phase: FINAL BID DOCUMENTS

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Project Number: 646-22-700

Building Number: 1

Approved:

FULLY SPRINKLERED

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked:

Drawn:

Drawing Number: 01-AE124B2

SHEET 114 of 797

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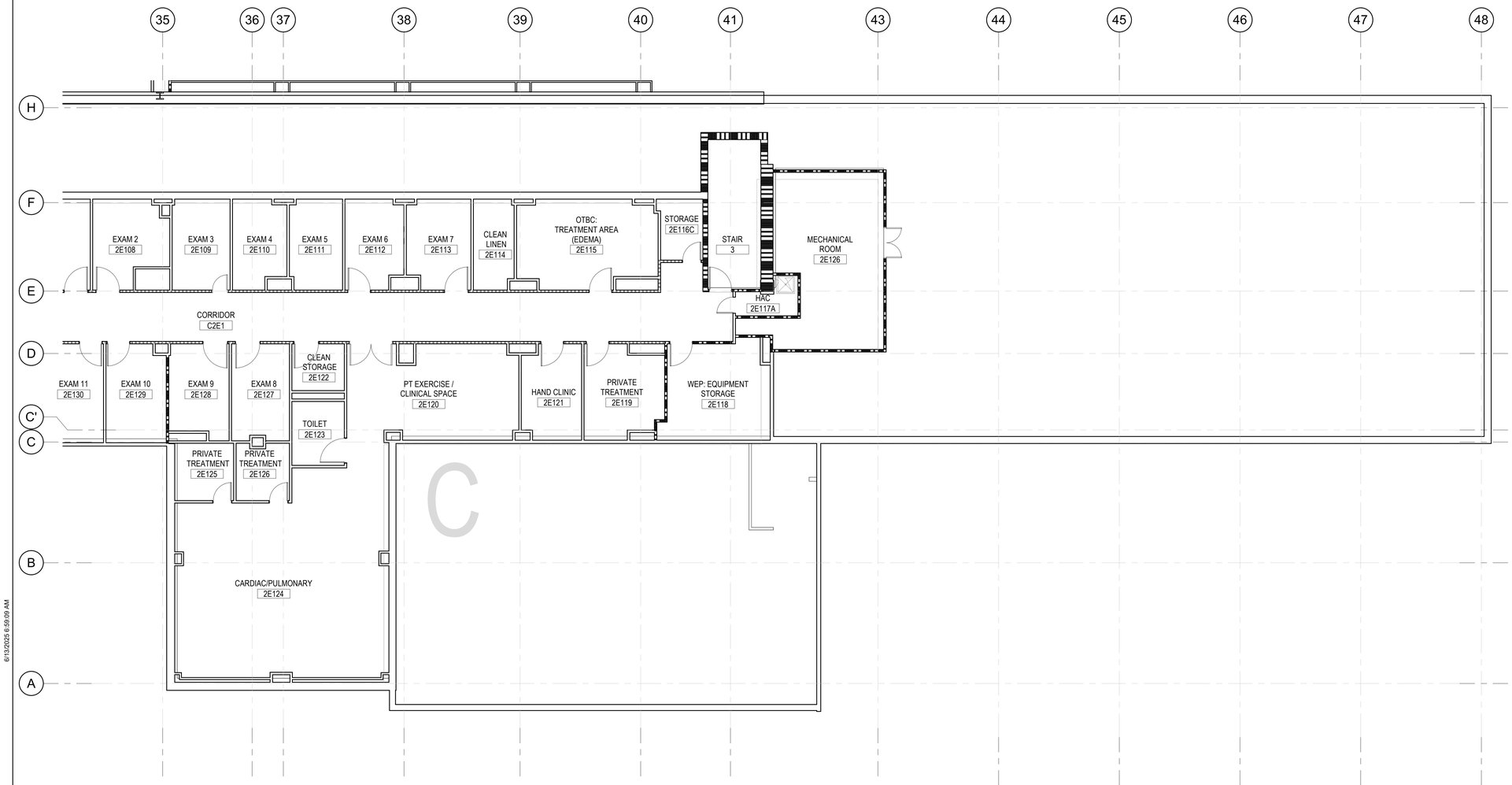

GENERAL NOTES:

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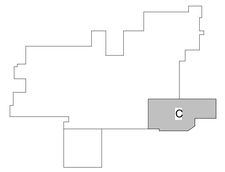
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA RENE H. KLOW NO. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SECOND FLOOR PLAN - AREA C
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE124C
	SHEET 115 of 797

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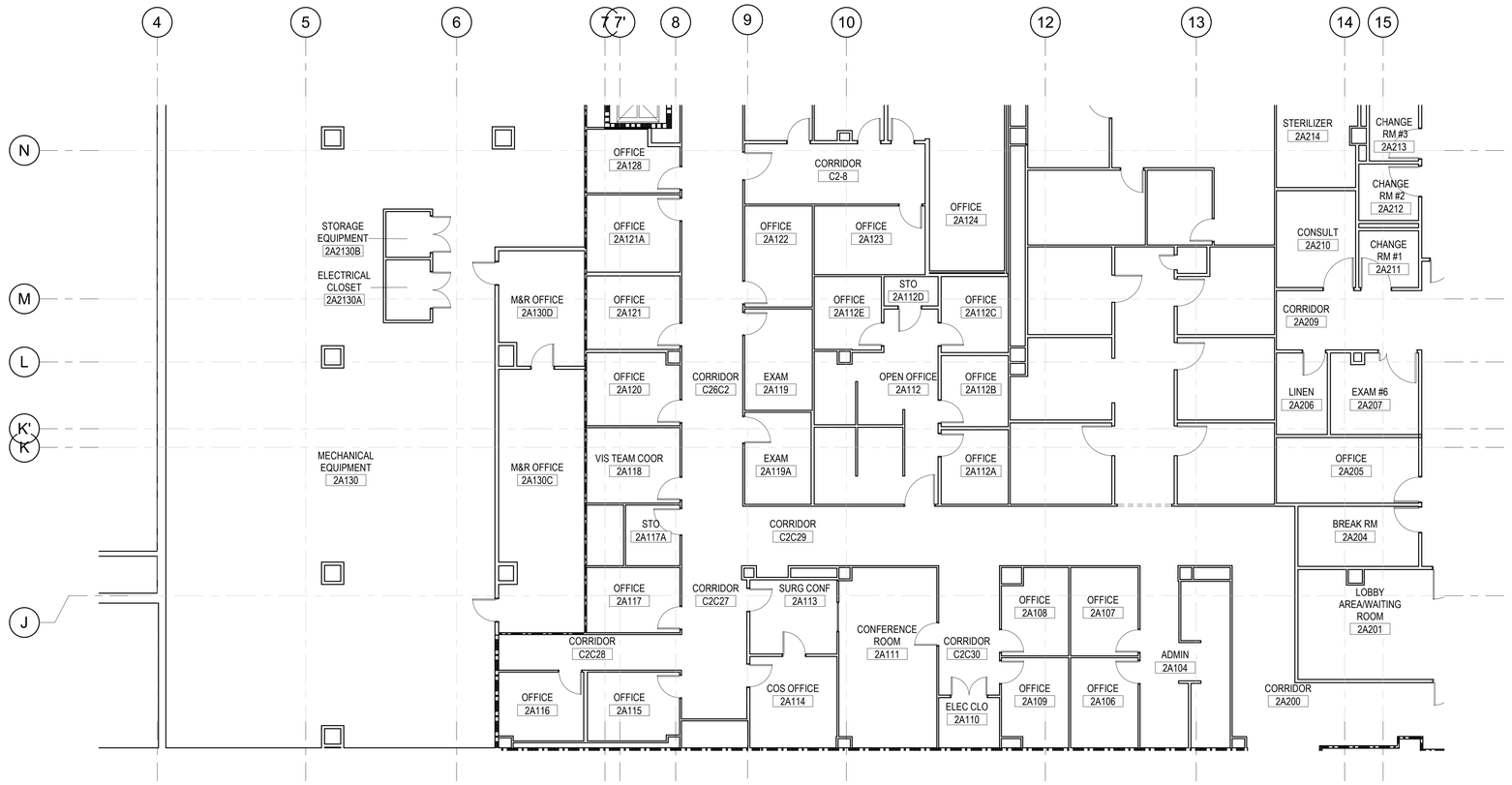

GENERAL NOTES:

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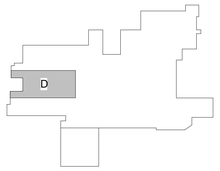
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GRAHAM H. KLOW No. RA014154

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VA U.S. Department of Veterans Affairs

Drawing Title	SECOND FLOOR PLAN - AREA D
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE124D
	SHEET 116 of 797

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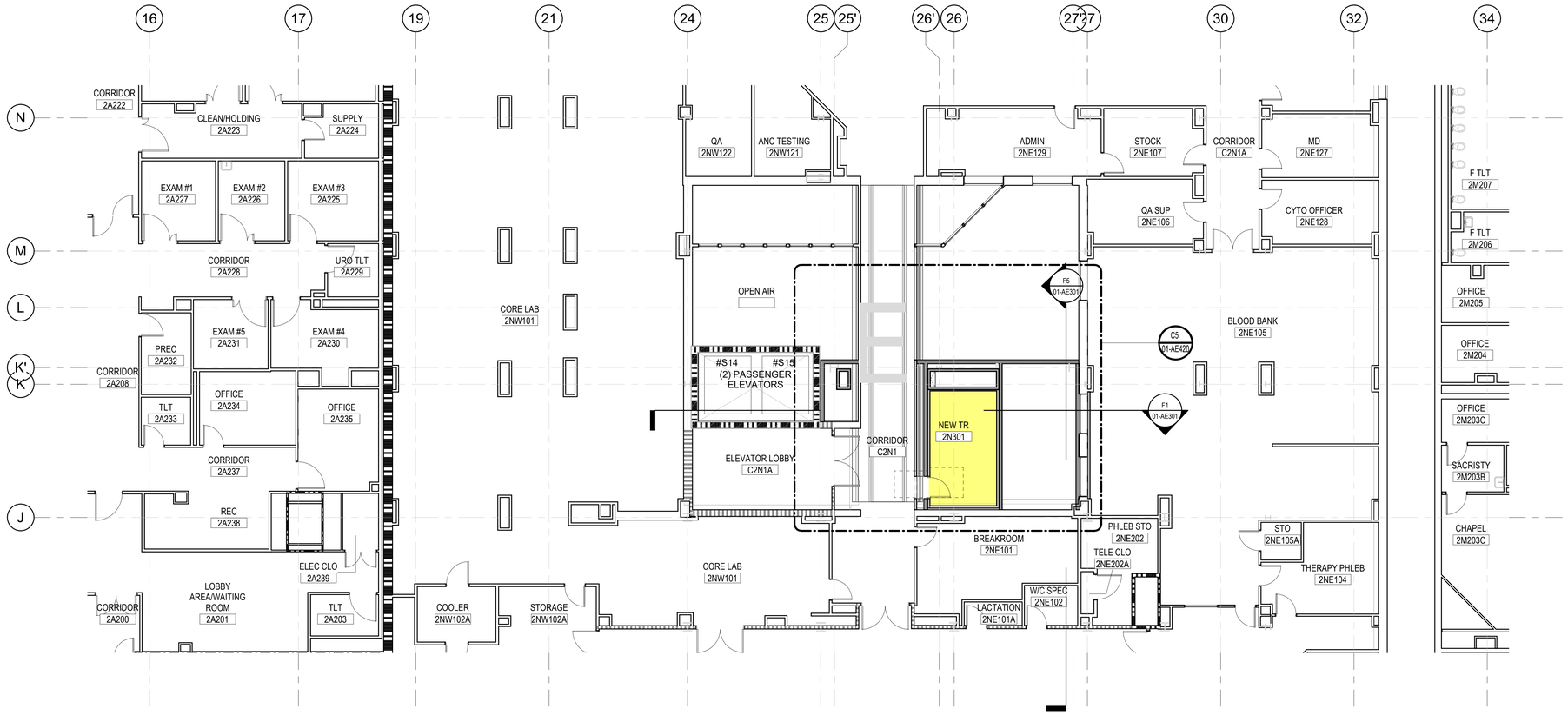

GENERAL NOTES:

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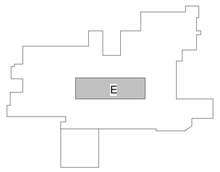
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA GRANT H. KLOW No. RA407474

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SECOND FLOOR PLAN - AREA E
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE124E
	SHEET 117 of 797

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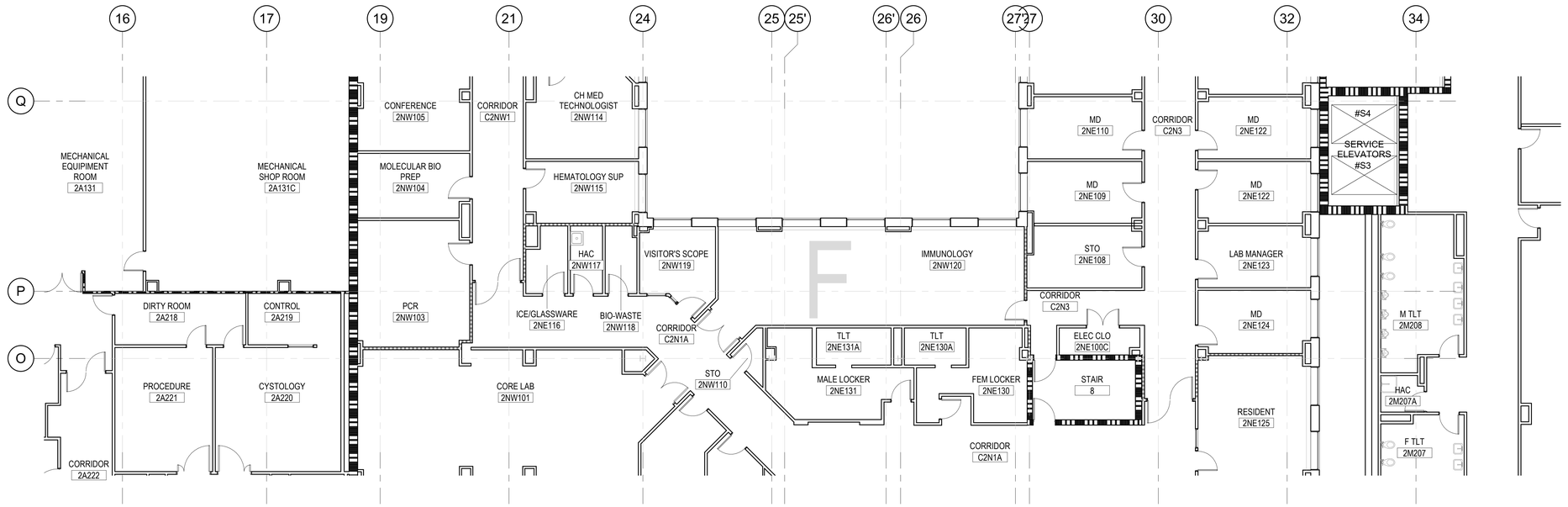


GENERAL NOTES:

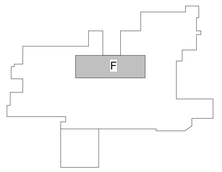
BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA GREGORY H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLAN - AREA F	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE124F
			SHEET 118 of 797

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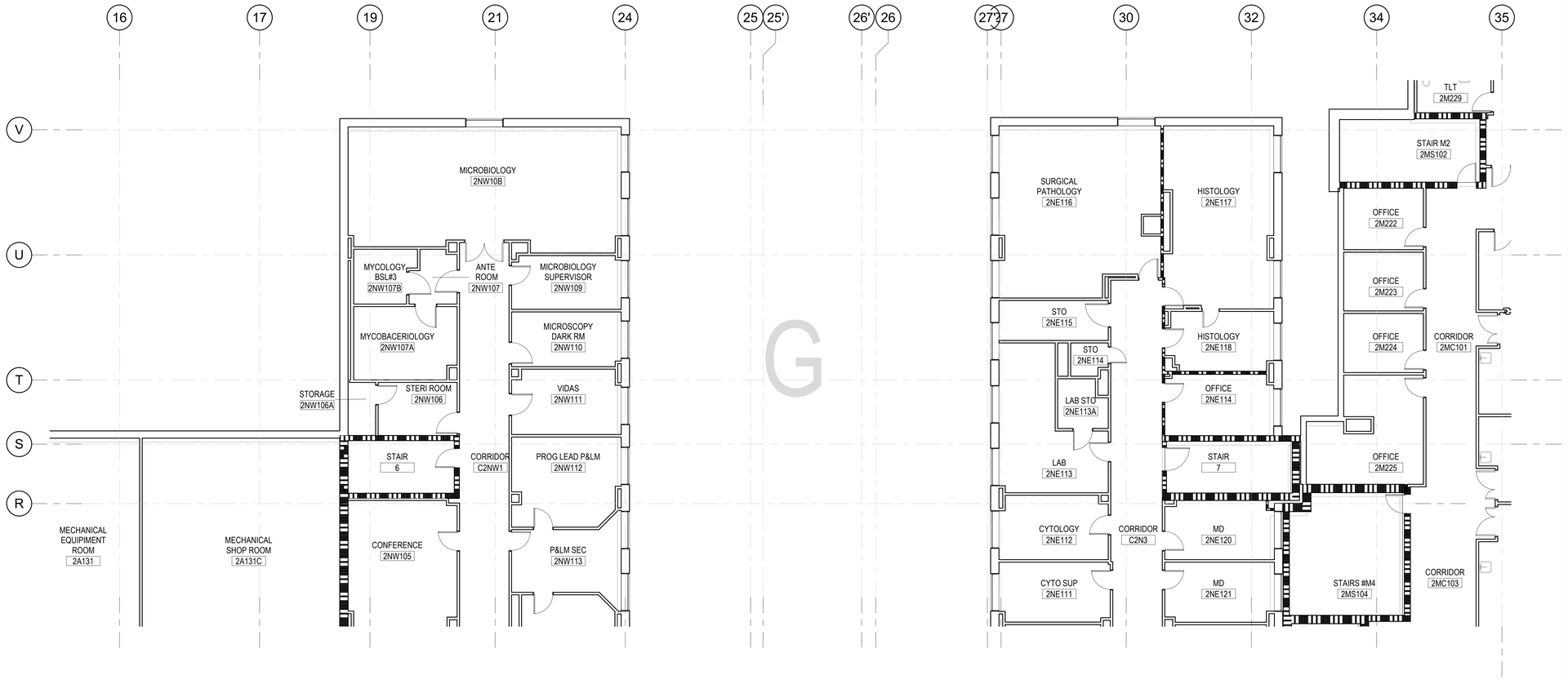

GENERAL NOTES:

BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA014174

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLAN - AREA G	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date: 06.13.2025 | Checked | Drawn

Project Number: 646-22-700
Building Number: 1
Drawing Number: 01-AE124G
SHEET 119 of 797

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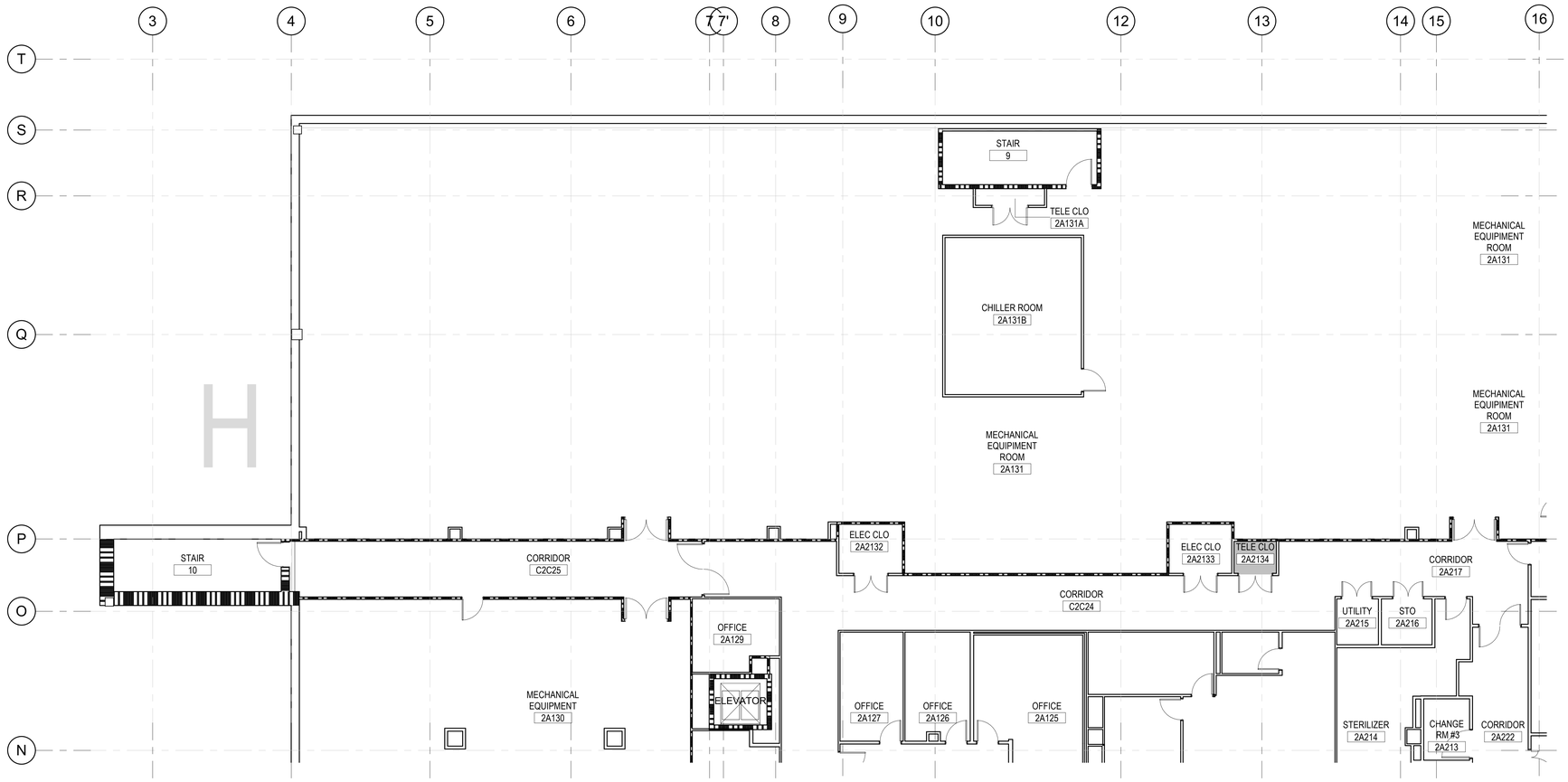


GENERAL NOTES:

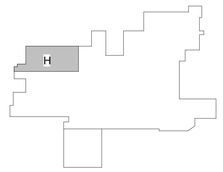
BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA ERIK H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SECOND FLOOR PLAN - AREA H
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE124H
	SHEET 120 of 797

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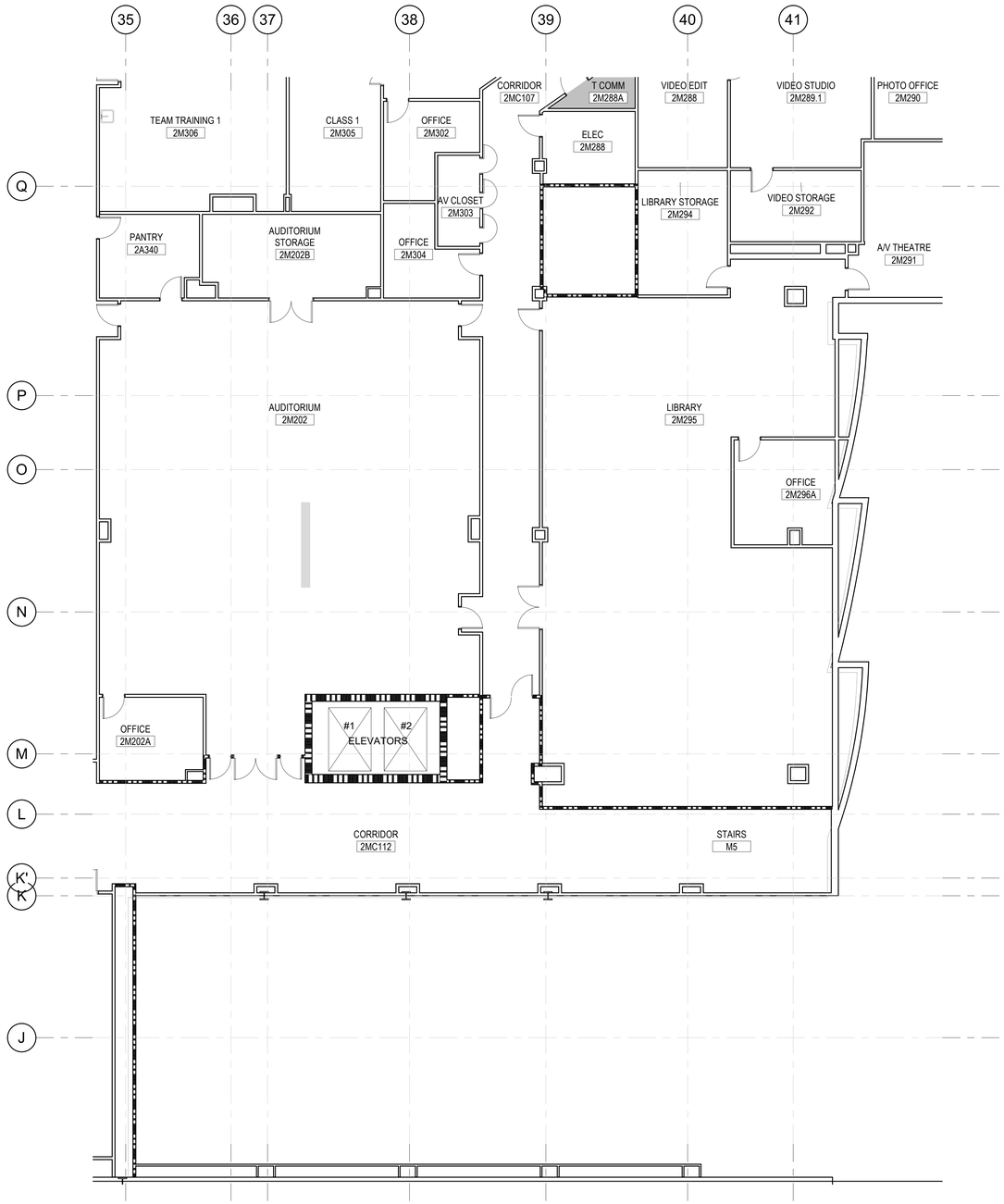


GENERAL NOTES:

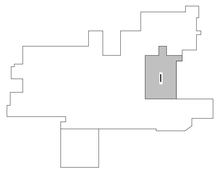
BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA ECT
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SECOND FLOOR PLAN - AREA I
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE124I
	SHEET 121 of 797

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GENERAL NOTES:

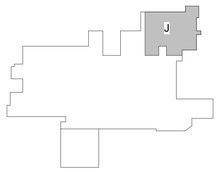
BLDG	FLR	ROOM	ROOM NUMBER	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	2	2W110D	2W110D	REMAIN	2	Proposed. Existing dimensions are adequate. Retain as is.		9'-6"	10'-10"	YES	
1	2	2N301	2N301	NEW	2			10'-6"	17'-1"		
29	2	2M275A	2M275A	REMAIN	2	Reviewed and proposed.		11'-4 3/8"	11'-11"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SECOND FLOOR PLAN - AREA J	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE124J
			SHEET 122 of 797

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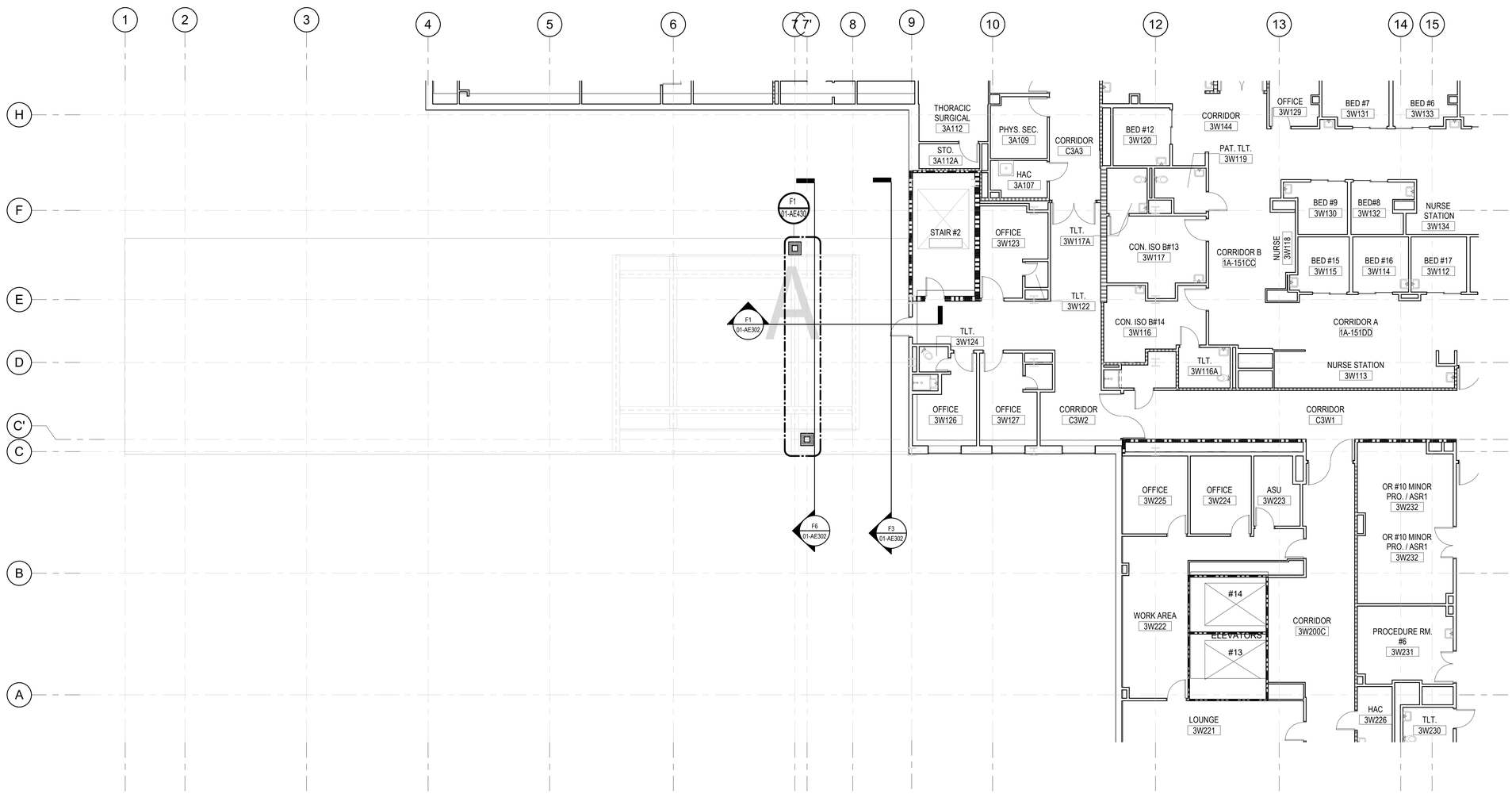


GENERAL NOTES:

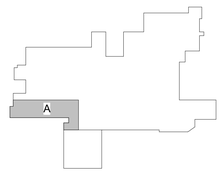
BLDG	FLR	ROOM	PROPOSAL	RADX	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN - AREA A
Phase	FINAL BID DOCUMENTS
Approved:	
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE125A
	SHEET 123 of 797

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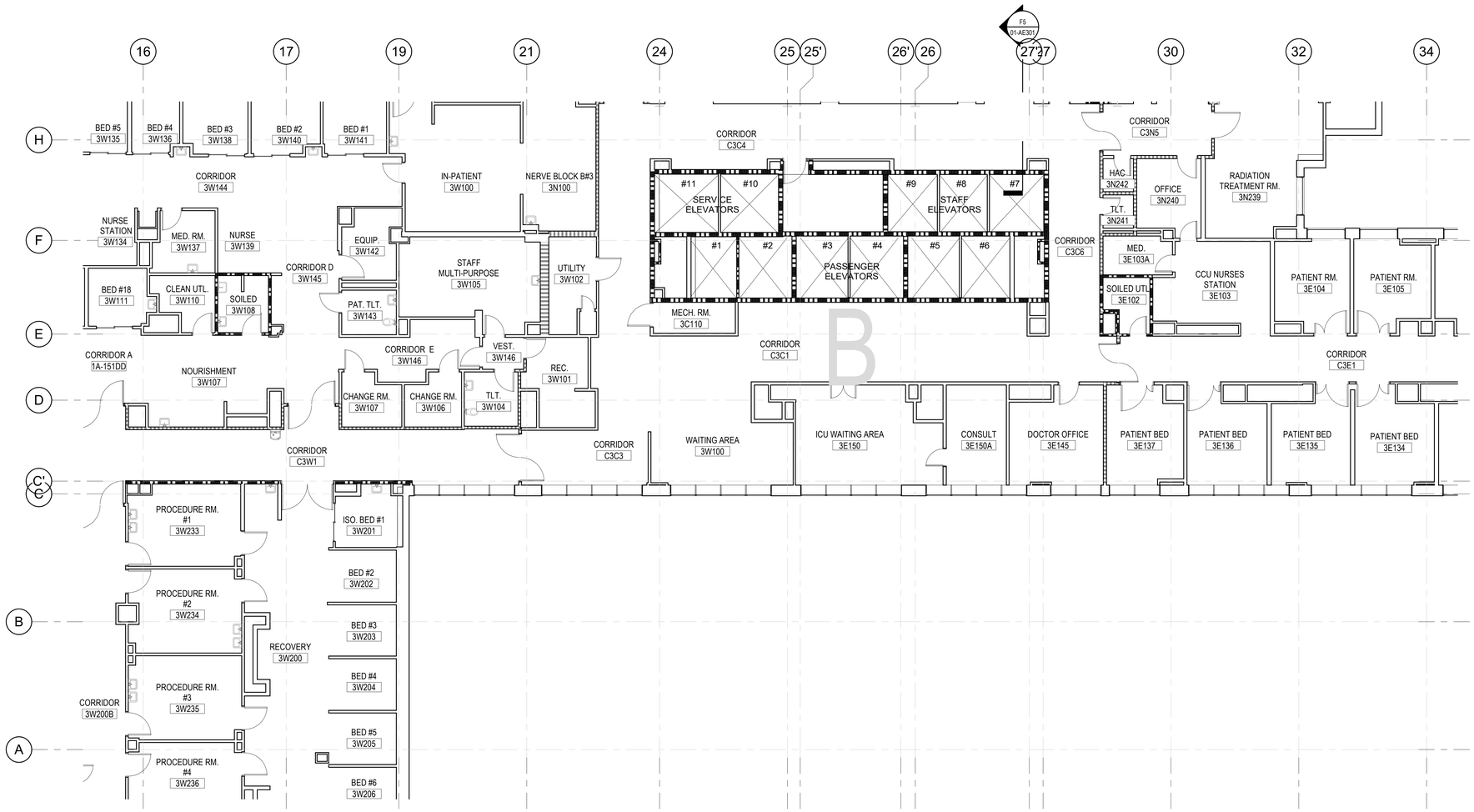


GENERAL NOTES:

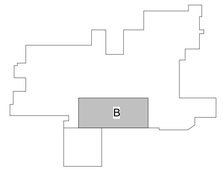
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA009116

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN - AREA B
Phase	FINAL BID DOCUMENTS
Approved:	
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE125B
	SHEET 124 of 797

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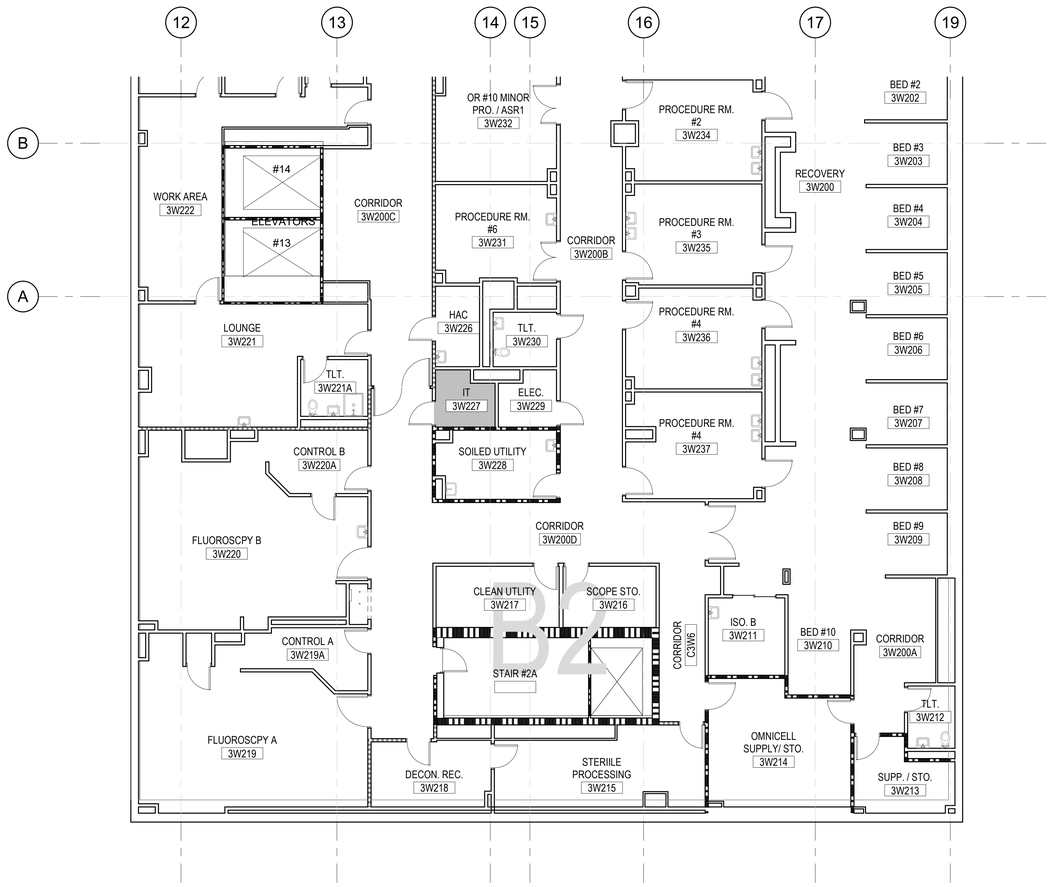

GENERAL NOTES:

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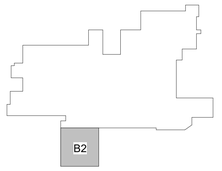
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLAN - AREA B2	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE125B2
			SHEET 125 of 797

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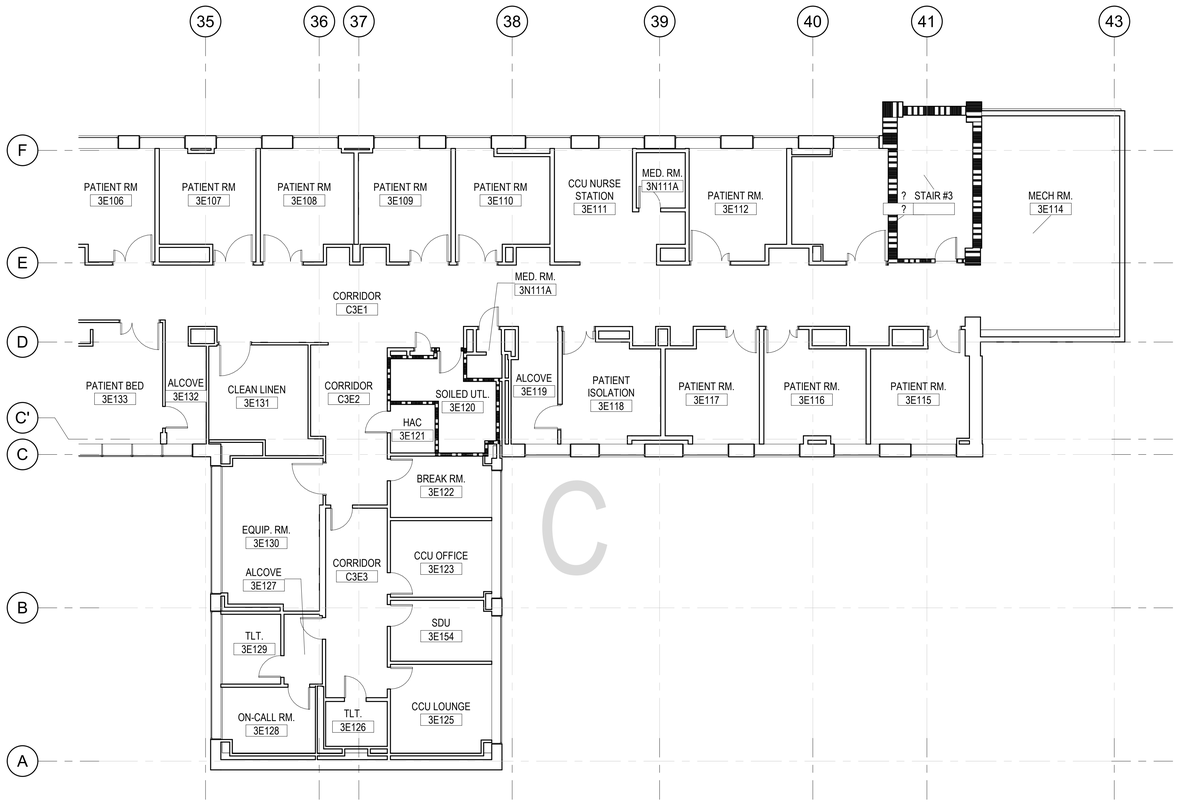


GENERAL NOTES:

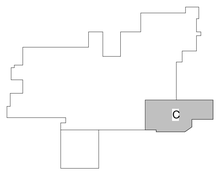
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLAN - AREA C	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE125C
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 126 of 797

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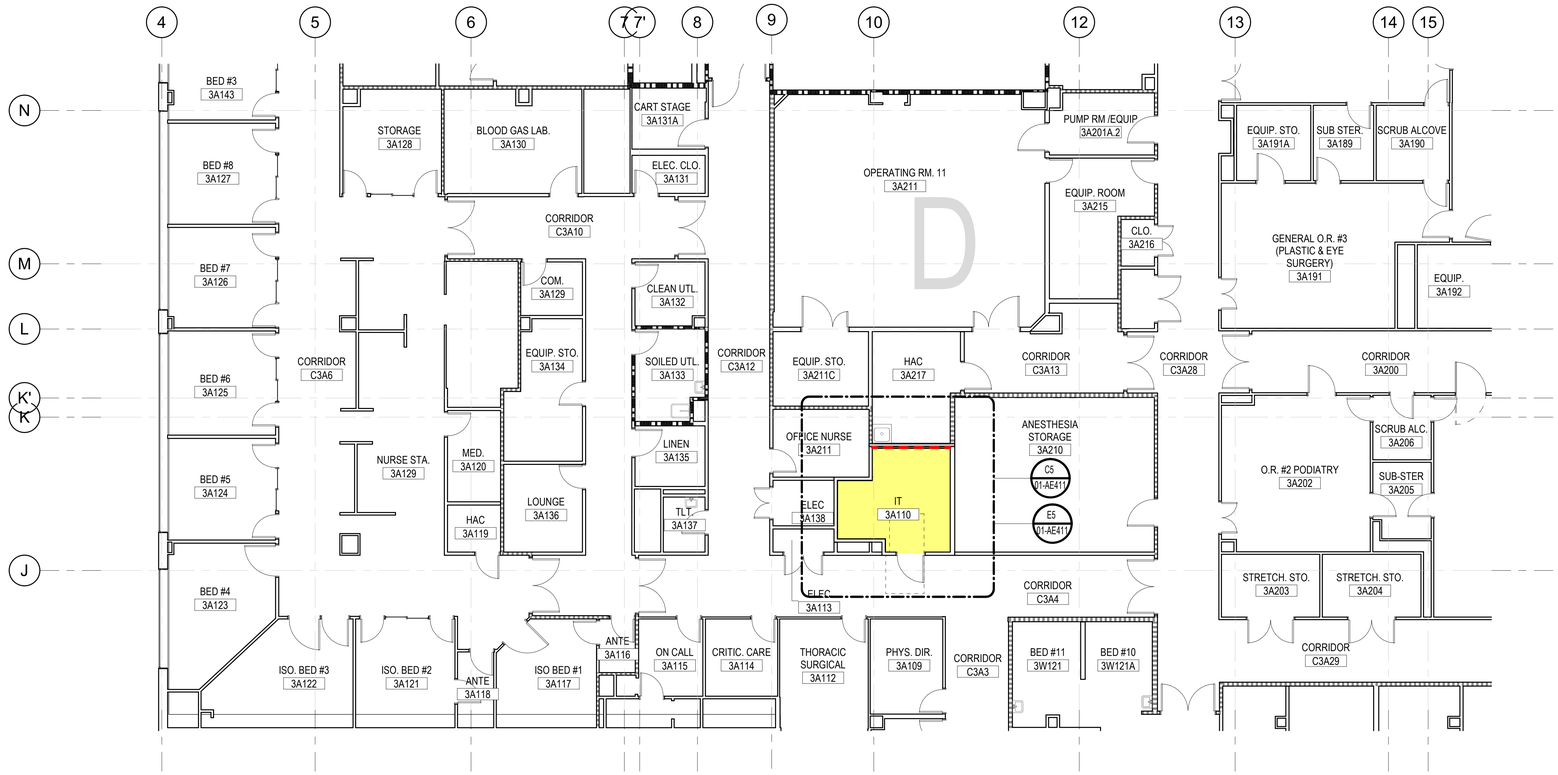


GENERAL NOTES:

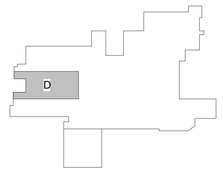
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA RENE H. KLOW NO. RA014744

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN - AREA D
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE125D
	SHEET 127 of 797

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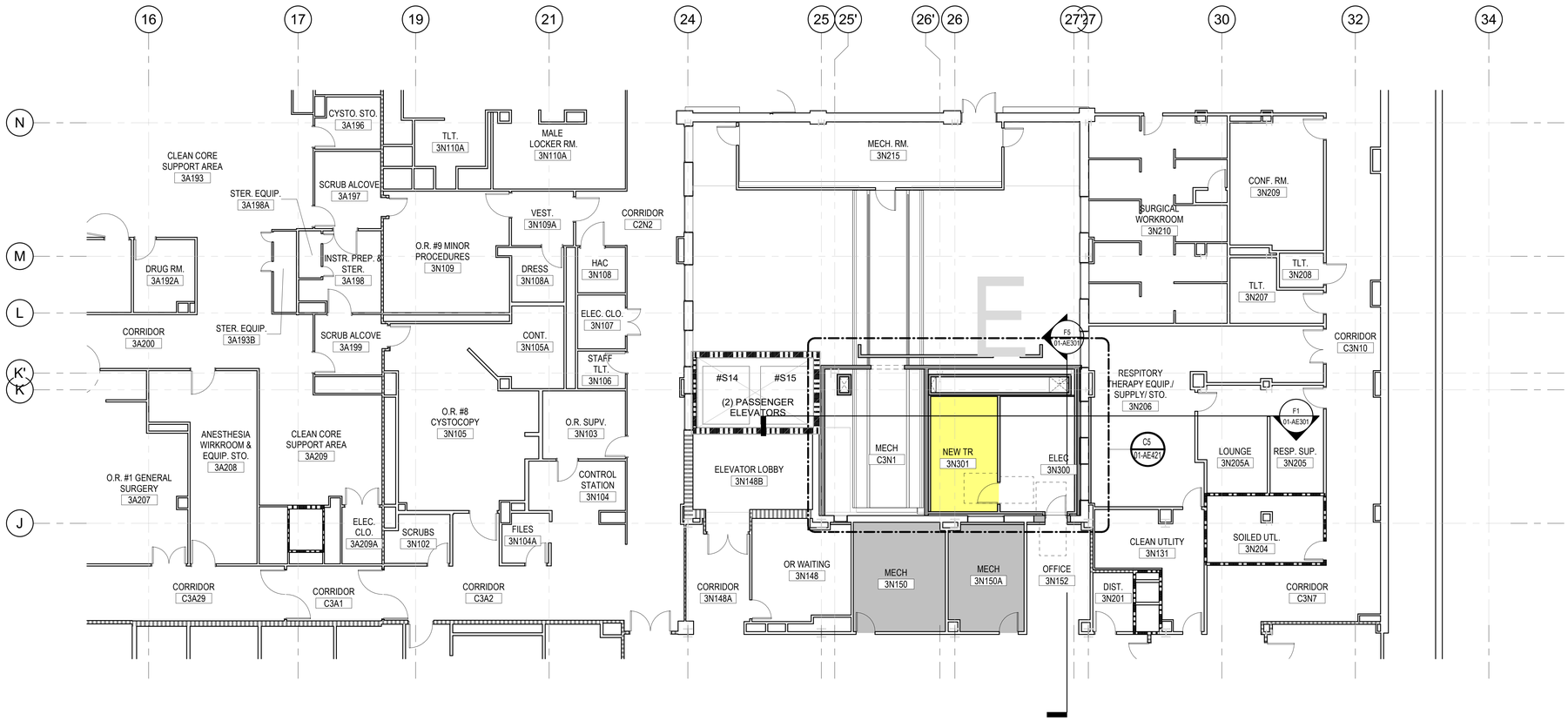


GENERAL NOTES:

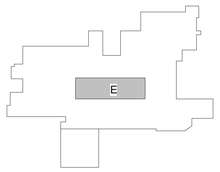
BLDG	FLR	ROOM	PROPOSAL	RADX	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA — DANE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN - AREA E
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE125E
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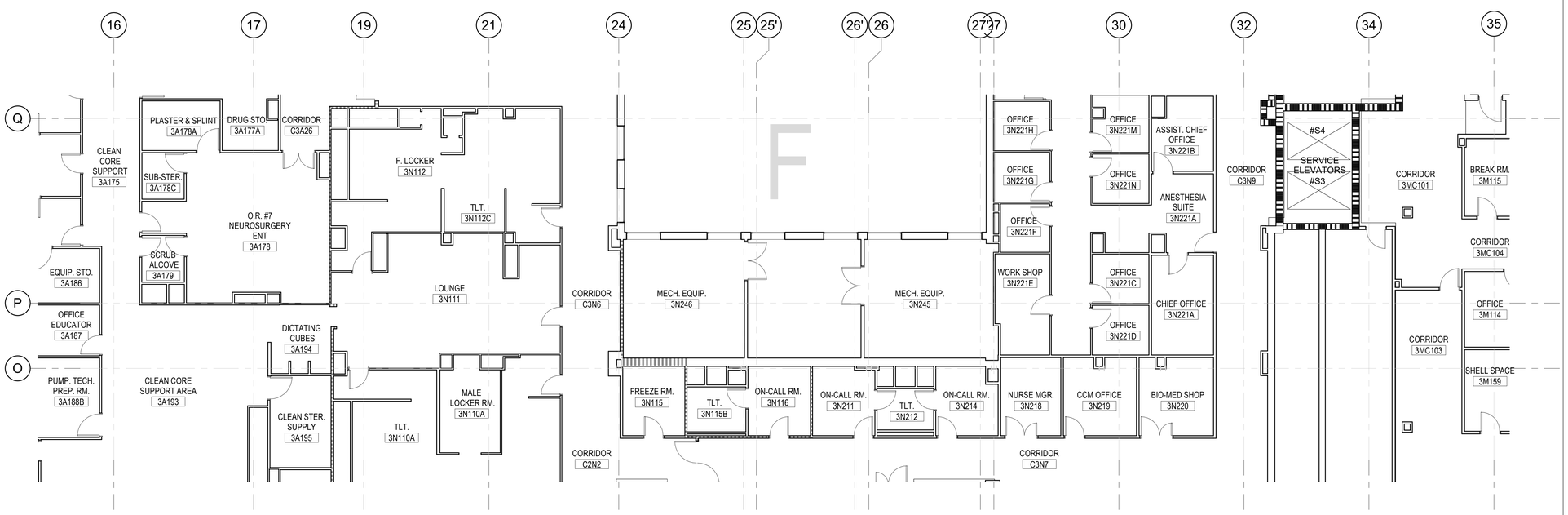


GENERAL NOTES:

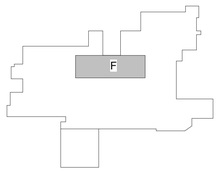
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN - AREA F
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE125F
	SHEET 129 of 797

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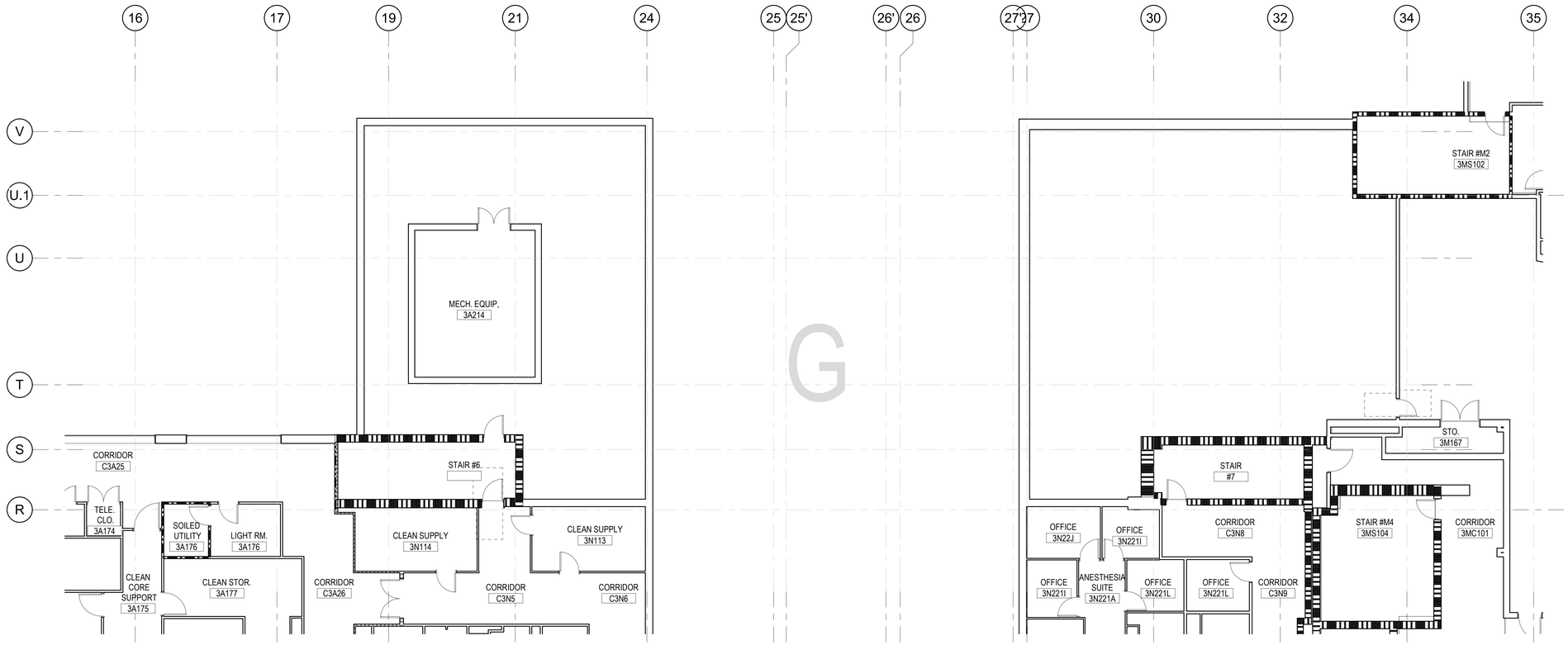

GENERAL NOTES:

BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLAN - AREA G	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE125G
			SHEET 130 of 797

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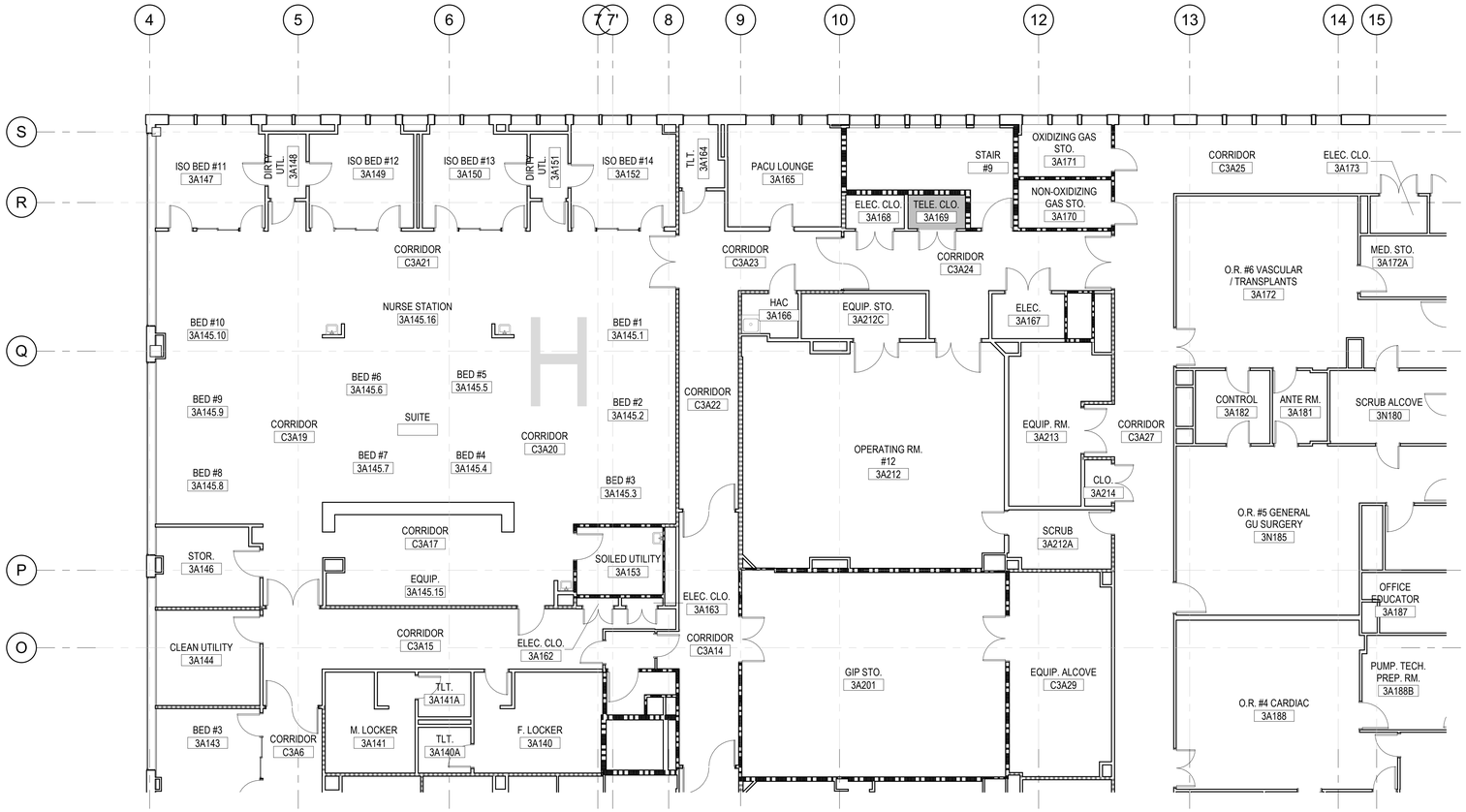


GENERAL NOTES:

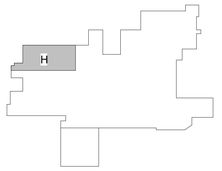
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA012174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLAN - AREA H	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE125H
			SHEET 131 of 797

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VA FORM 08 - 6231

GENERAL NOTES:

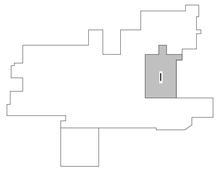
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: THIRD FLOOR PLAN - AREA I	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE125I
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 132 of 797

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GENERAL NOTES:

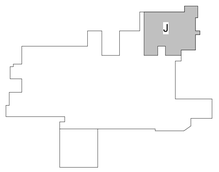
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	3	3N300	NEW	2						
1	3	3A110	REMAIN	3	Proposed. Dimensions adequate.		13'-9"	14'-9"		
29	3	3M150	REMAIN	2	Reviewed and proposed. Exception to retain as is. Slightly undersized.		9'-5"	11'-7"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GRAHAM H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN - AREA J
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE125J
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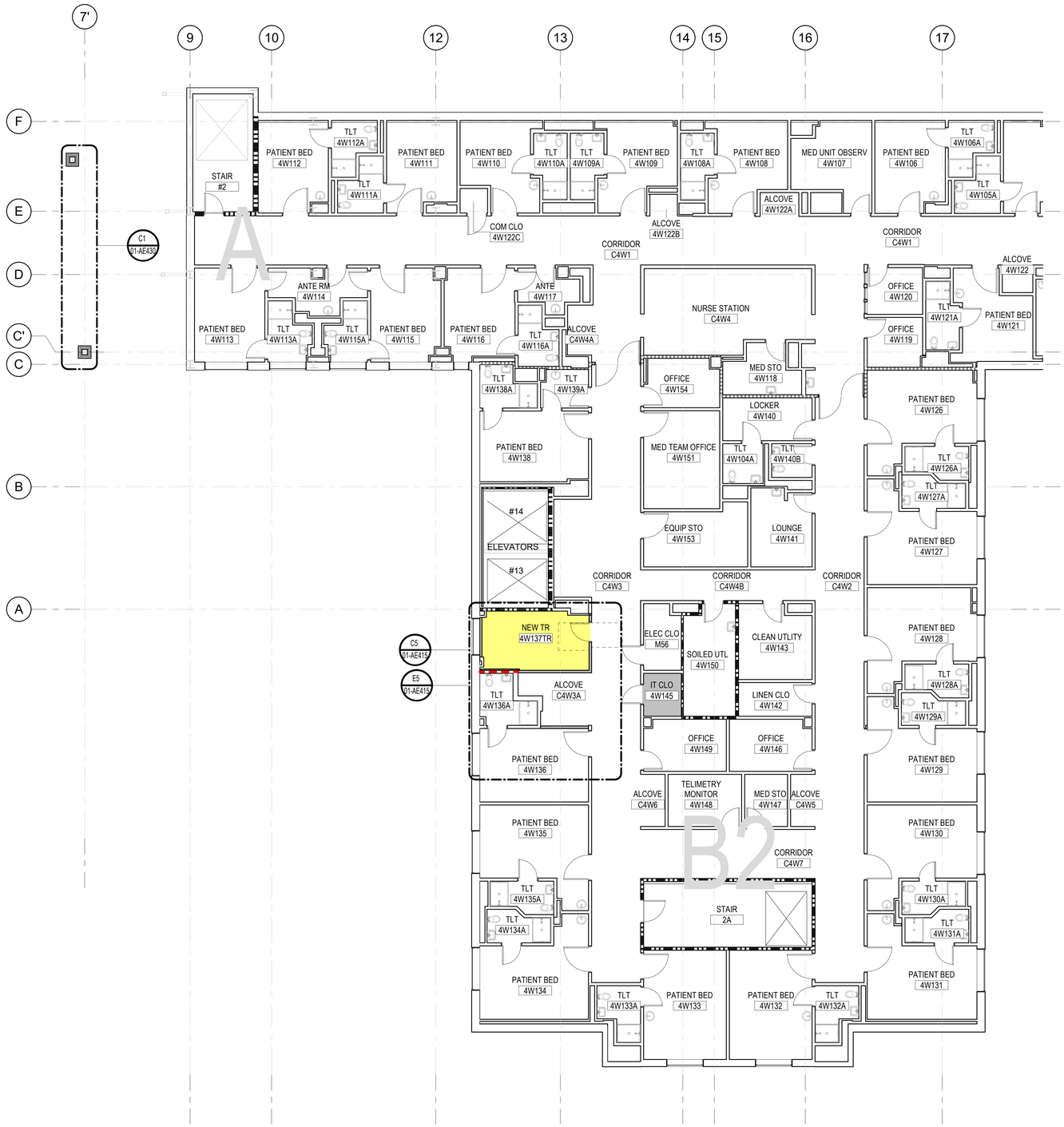


GENERAL NOTES:

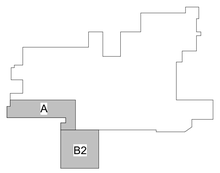
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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REGISTERED ARCHITECT PENNSYLVANIA CHRISTINE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA A & B2	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE126A-B2
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 134 of 797

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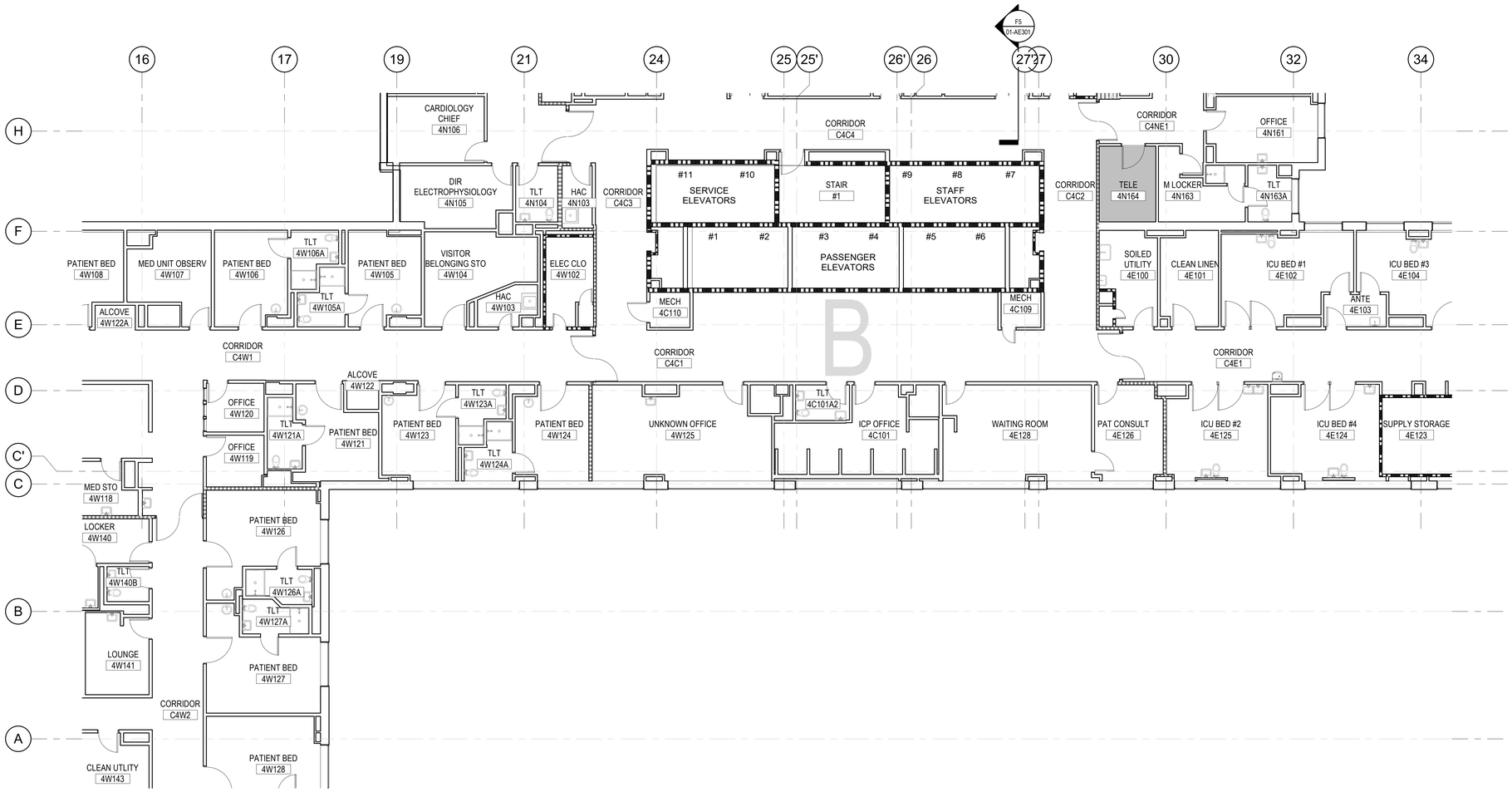


GENERAL NOTES:

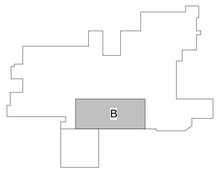
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW NO. RA009114

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FOURTH FLOOR PLAN - AREA B
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE126B
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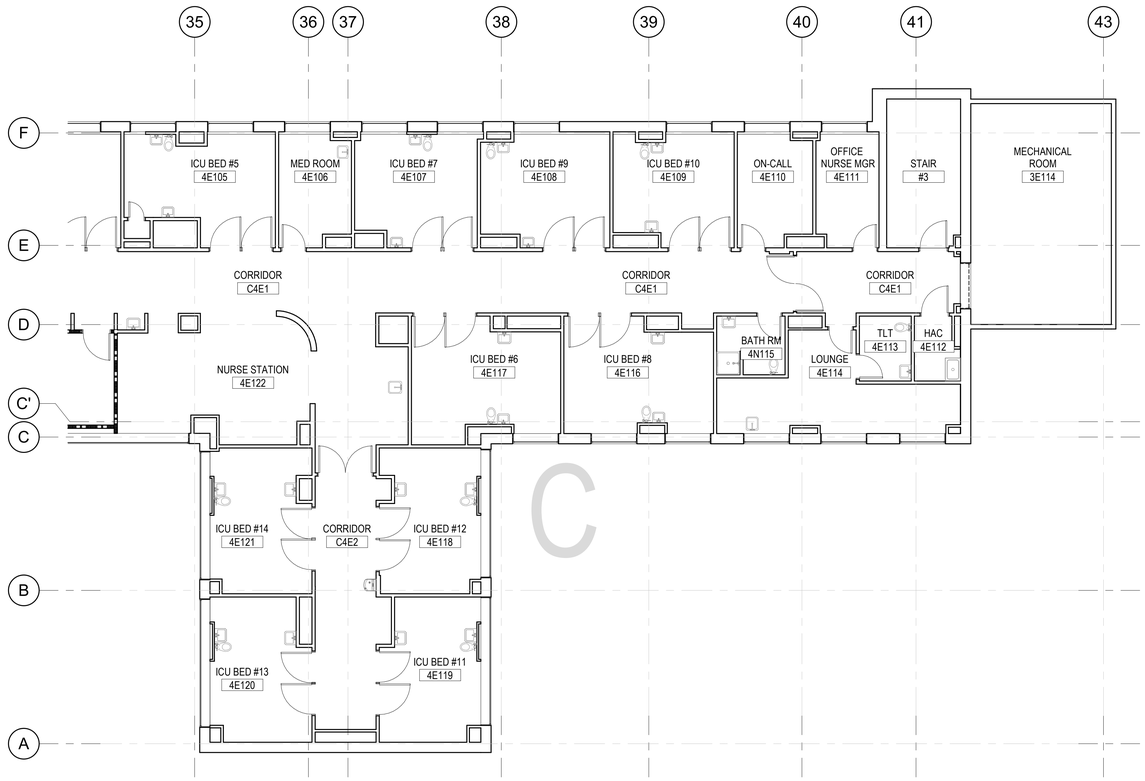


GENERAL NOTES:

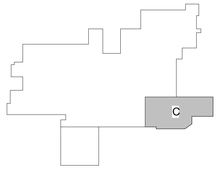
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	SIS'S VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW NO. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA C	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS		Project Number: 646-22-700
		Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240		Drawing Number: 01-AE126C
Issue Date: 06.13.2025	Checked	Drawn
		SHEET 136 of 797

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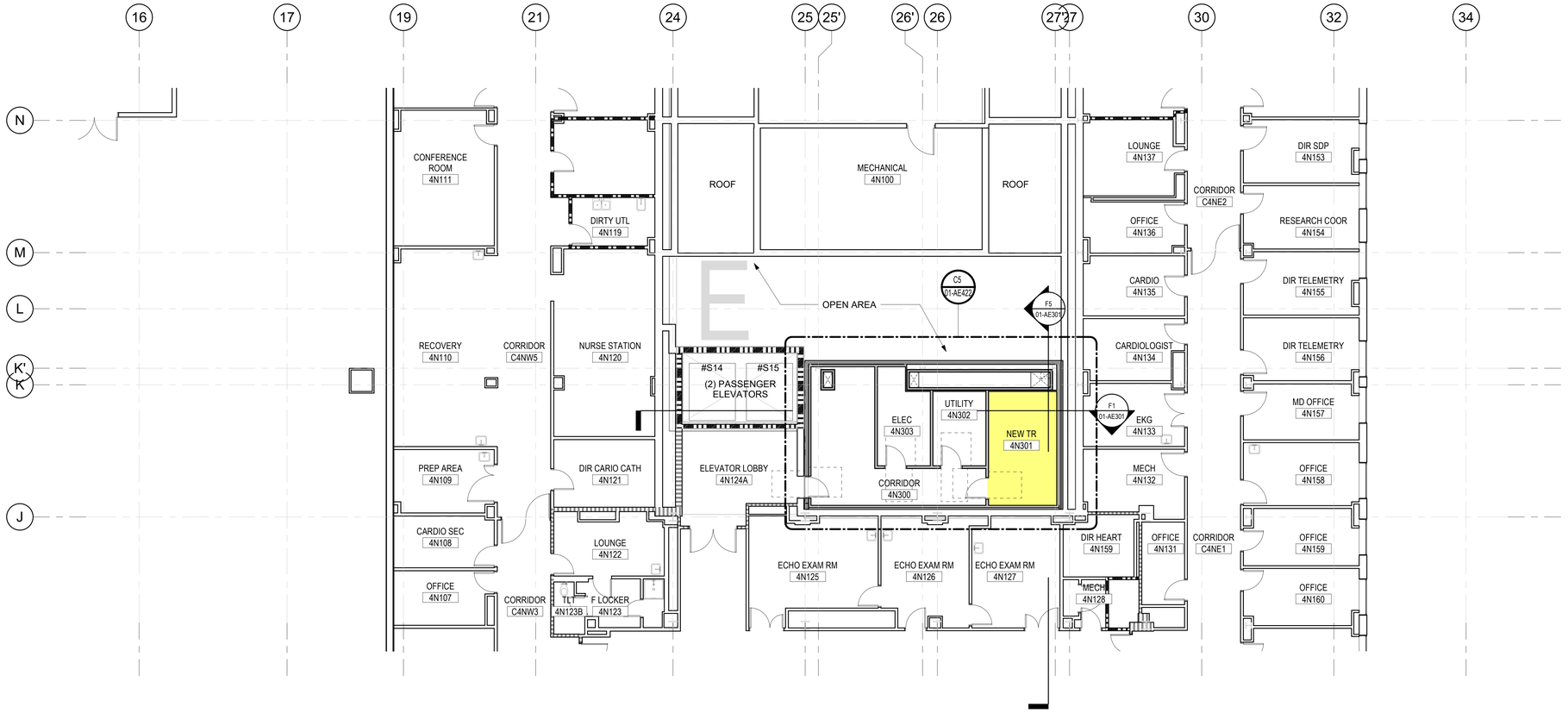


GENERAL NOTES:

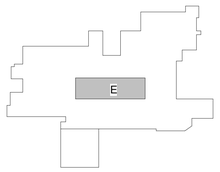
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA RENE H. KLOW No. RA017134

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE126E
			SHEET 137 of 797

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GENERAL NOTES:

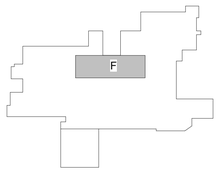
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	VISTA VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA GENE H. KLOW No. RA012141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA F & G	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE126F-G
			SHEET 138 of 797

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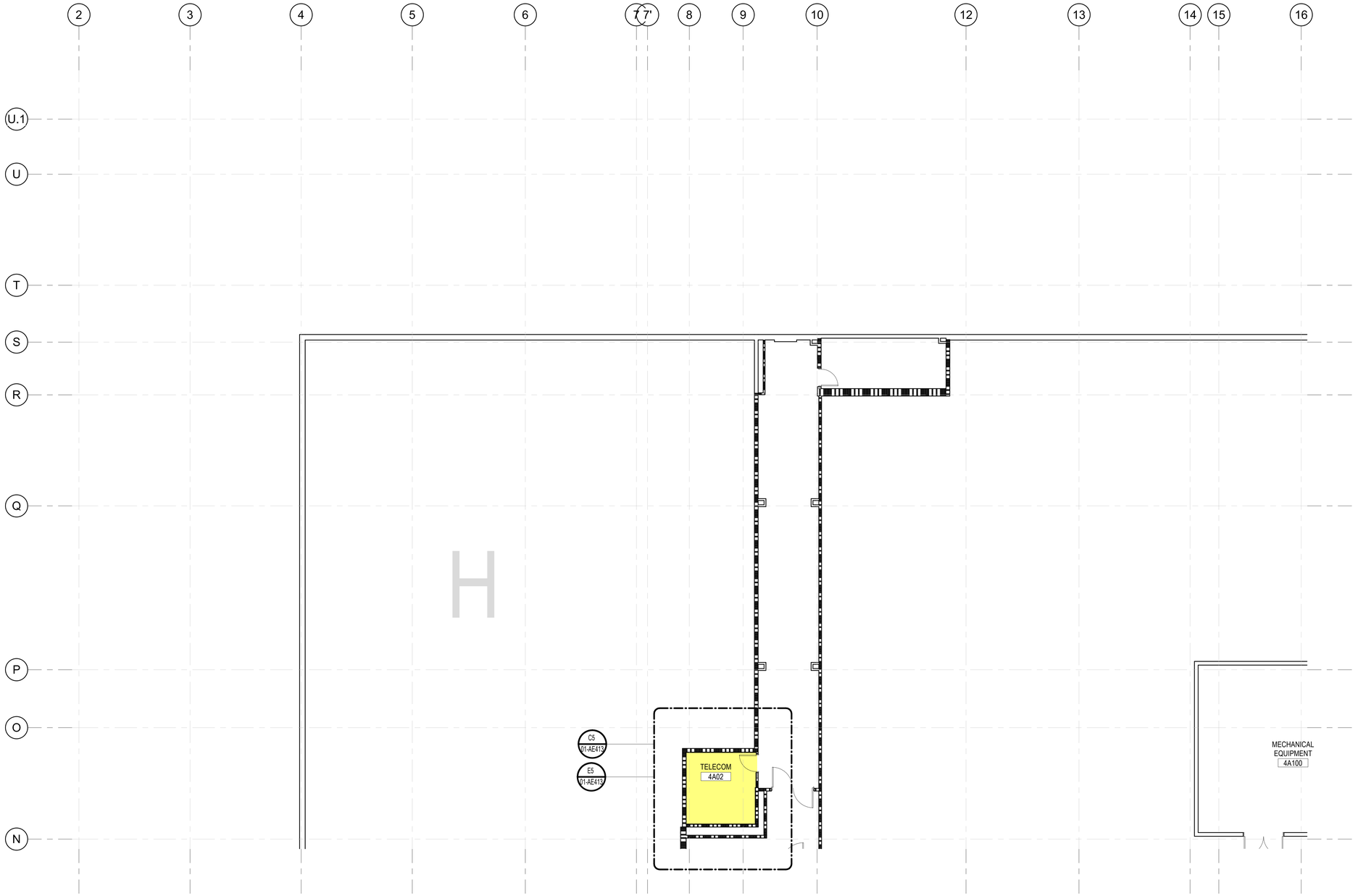


GENERAL NOTES:

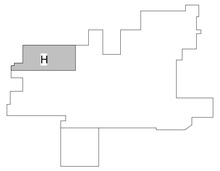
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	IST'S VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA H	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE126H
			SHEET 139 of 797

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VA FORM 08 - 6231

GENERAL NOTES:

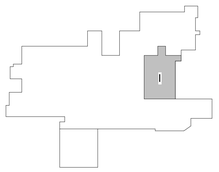
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA RENEE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA I	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE126I
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 140 of 797

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GENERAL NOTES:

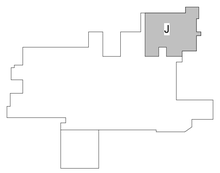
BLDG	FLR	ROOM	PROPOSAL	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	4	4W137	NEW	2	Discussed with space planner. Reconfigure for TR and swap storage with TELE across the hall. Readjust WC and alcove.		17'-10"	9'-8"		
1	4	4W125	NA		Discussed with space planning for potential space. Reviewed and not proposed.					
1	4	6W137	NA	2		10'X10'				
1	4	4N301	NEW	2			10'-0"	17'-3"		
1	4	4A02	REMAIN	2	Proposed. Currently serving the 4th and 5th floor. Size adequate.		13'	12'-6"		
29	4	4M150	REMAIN	2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	11'-4"	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA JOSEPH KLOW NO. RA015431

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FOURTH FLOOR PLAN - AREA J	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE126J
			SHEET 141 of 797

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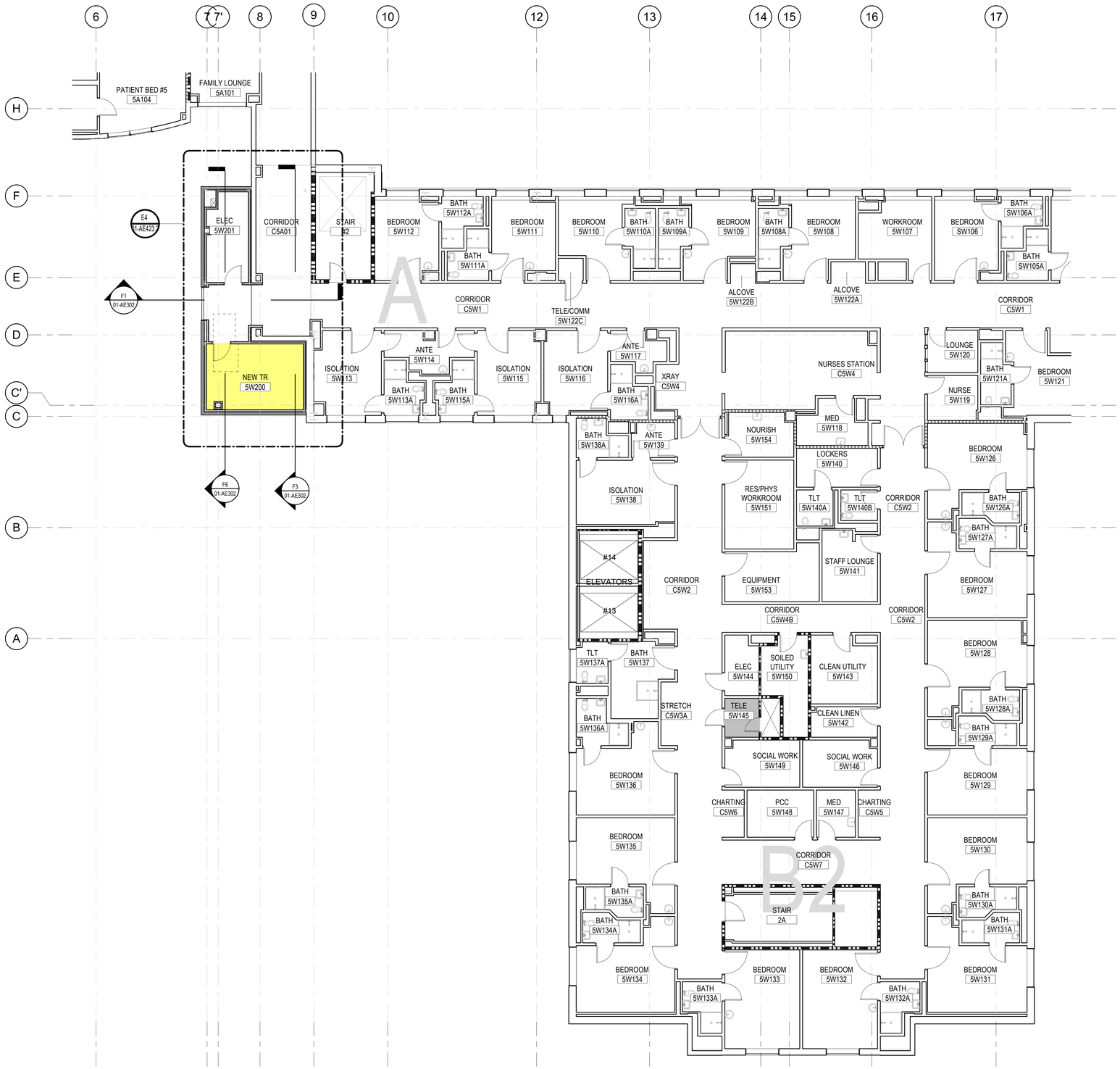


GENERAL NOTES:

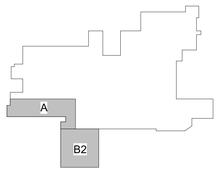
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RA/CK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	SSTS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLAN - AREA A & B2	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE127A-B2
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 142 of 797

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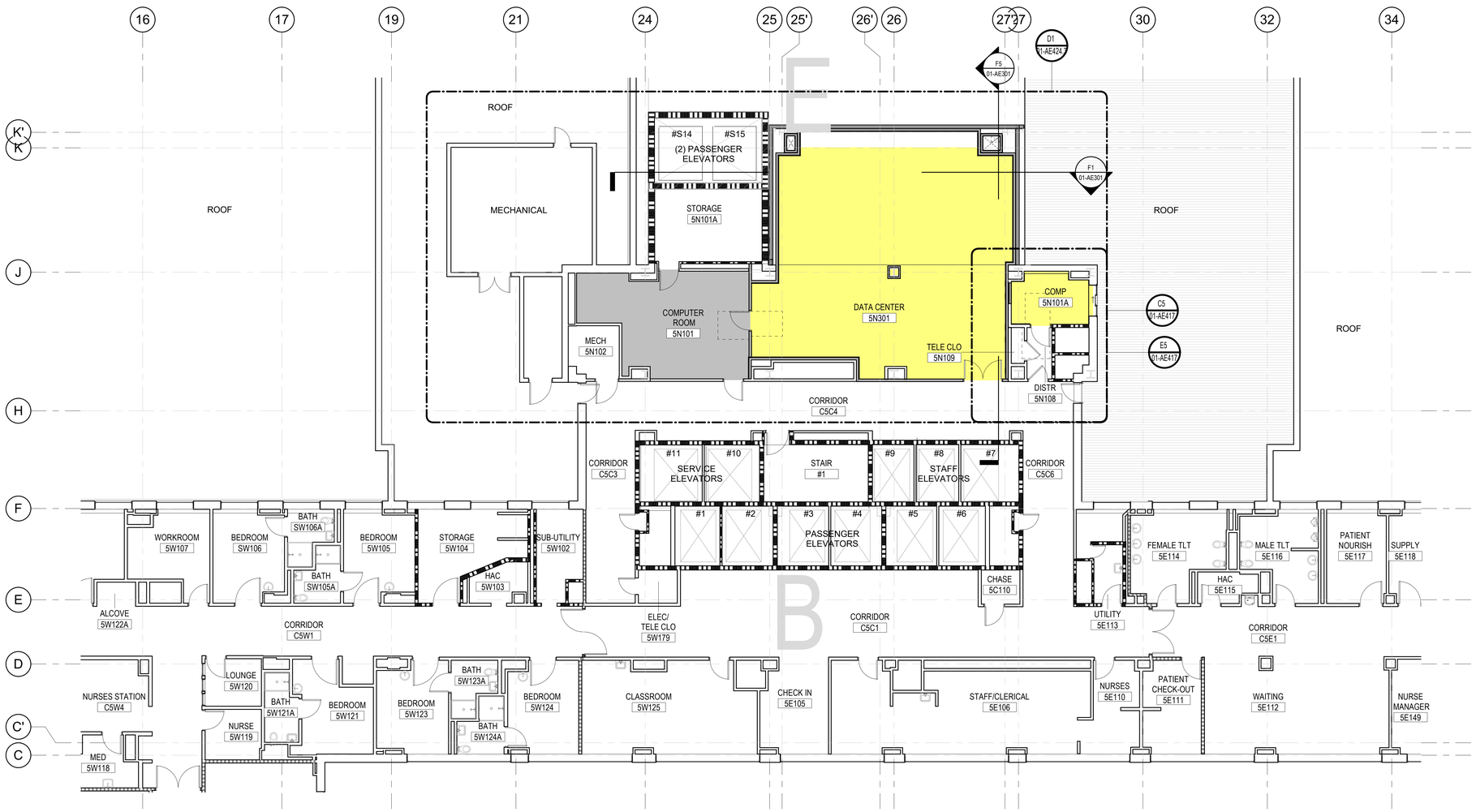


GENERAL NOTES:

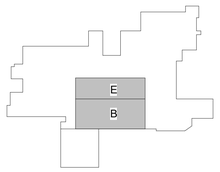
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
RENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLAN - AREA B & E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE127B-E
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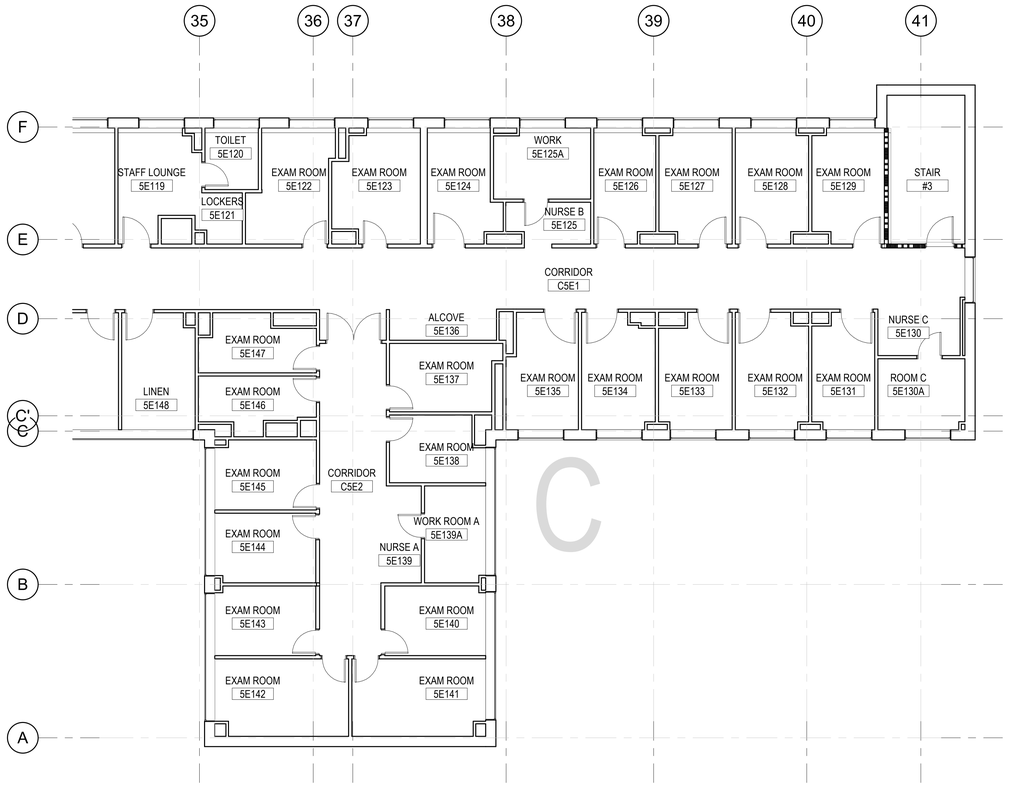


GENERAL NOTES:

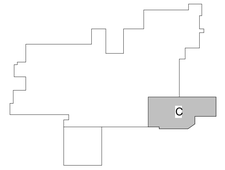
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLAN - AREA C	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
	Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE127C
Issue Date: 06.13.2025 / Checked / Drawn	SHEET 144 of 797

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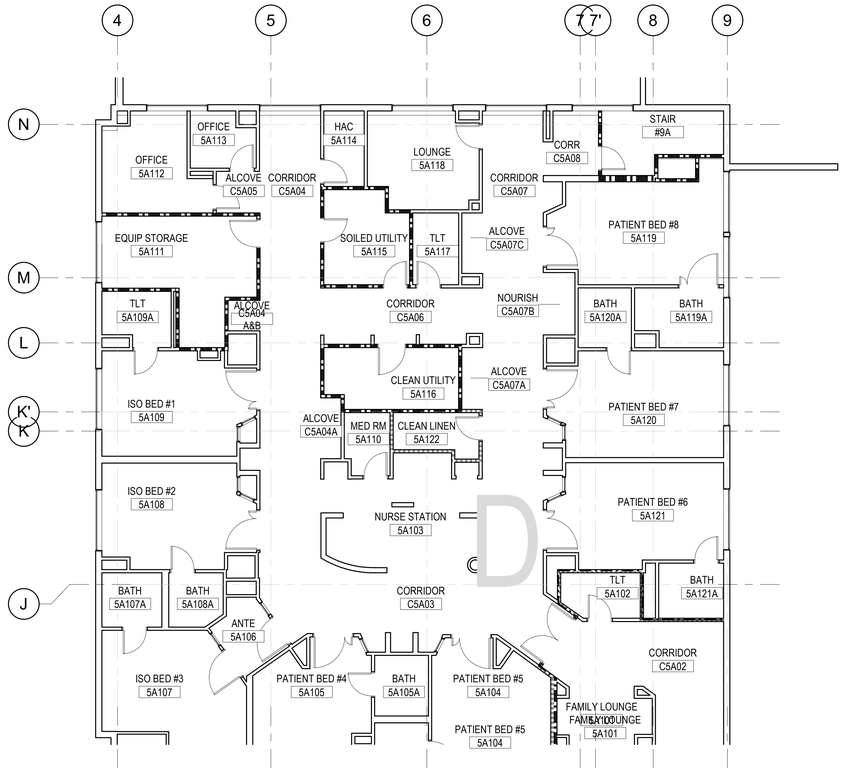
GENERAL NOTES:

BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

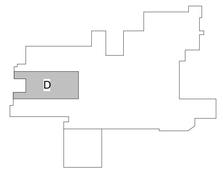


EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA GLENN H. KLOW No. RA007174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FIFTH FLOOR PLAN - AREA D
Phase	FINAL BID DOCUMENTS
Approved:	
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE127D
	SHEET 145 of 797

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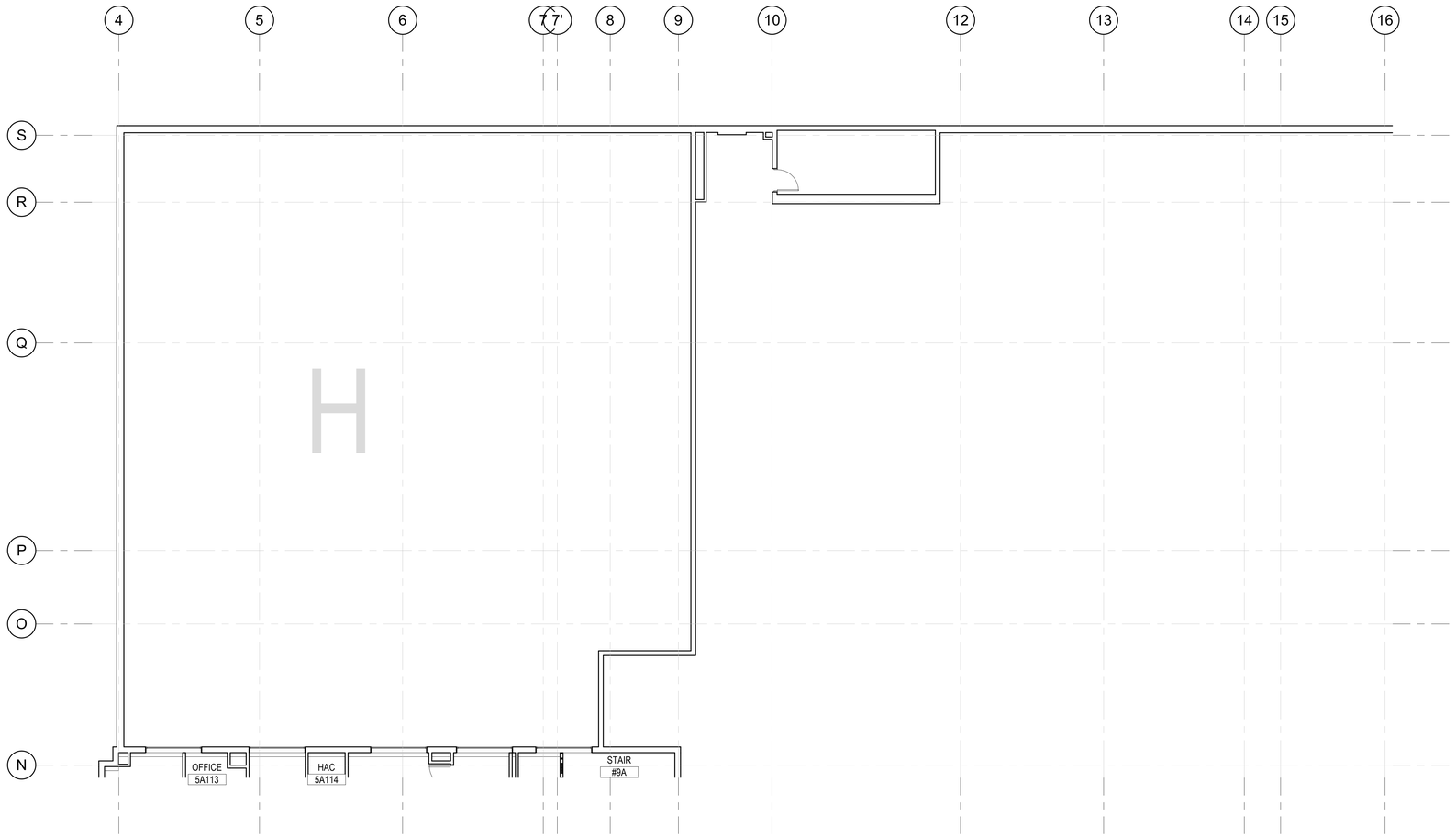


GENERAL NOTES:

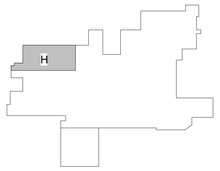
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLAN - AREA H	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE127H
			SHEET 146 of 797

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VA FORM 08 - 6231

GENERAL NOTES:

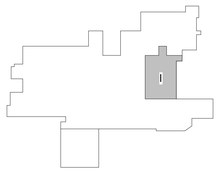
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RADX	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA — KRISTEN H. KLOW No. RA019141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLAN - AREA I	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE127I
			SHEET 147 of 797

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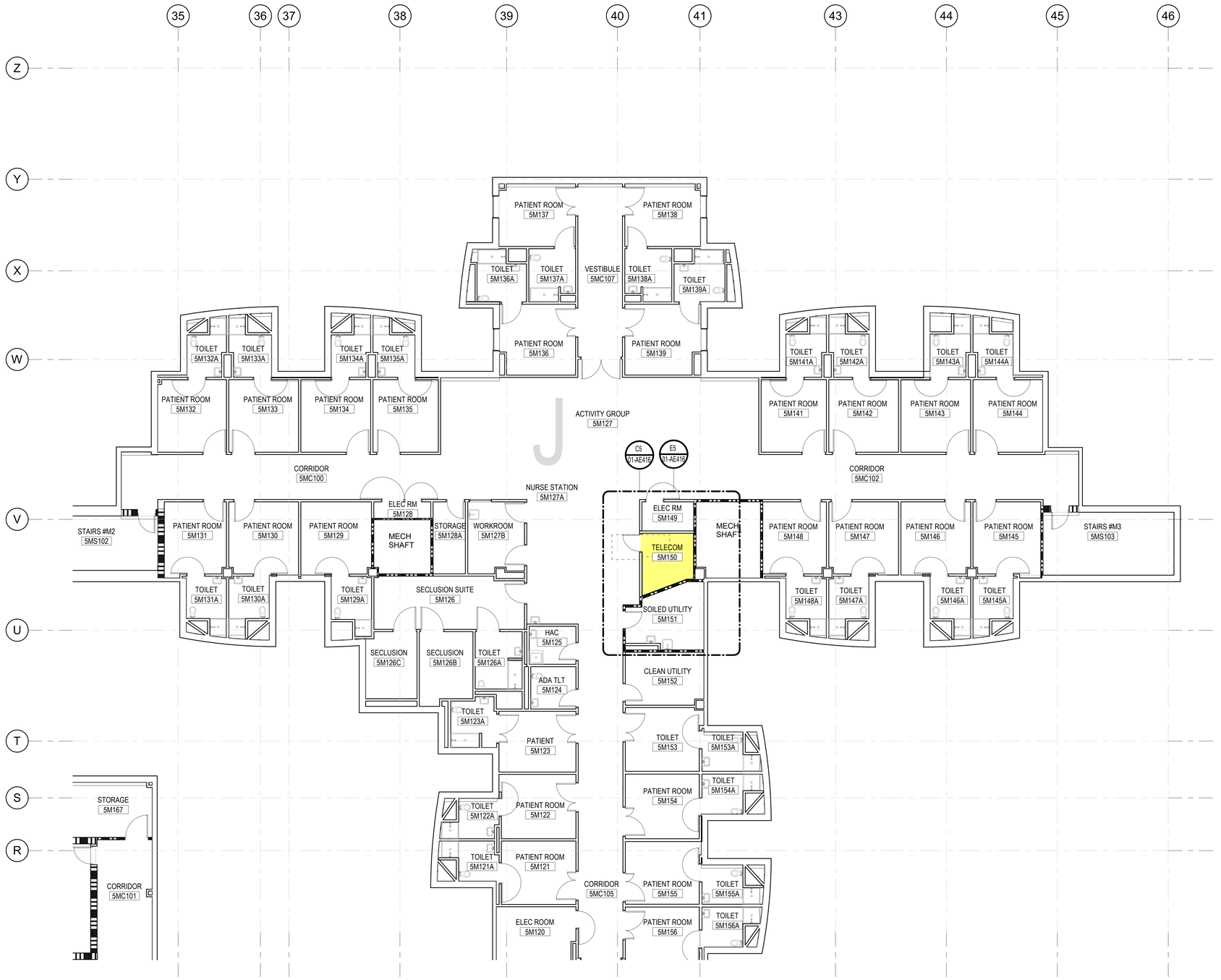
VA FORM 08 - 6231



GENERAL NOTES:

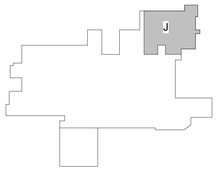
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	5	5W200		NEW		2			17'-7"	11'-10"		
1	5	5N101A	X	REMAIN		2	Proposed. Exception to retain as is. Slightly undersized.		17'-4"	11'-4"	YES	
29	5	5M150	X	REMAIN		2	Proposed. Modifications would be disruptive to patient care. Exception to retain as is. Slightly undersized.		9'-4"	8'-4" MIN	YES	

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA
CRAIG H. KLOW NO. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	FIFTH FLOOR PLAN - AREA J
Phase	FINAL BID DOCUMENTS
Approved:	
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Drawing Number	01-AE127J
Issue Date	06.13.2025
Checked	
Drawn	
	SHEET 148 of 797

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VA FORM 08 - 6231

GENERAL NOTES:

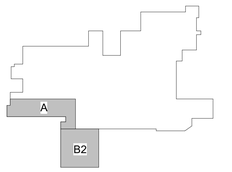
BLDG	FLR	ROOM	X-MATRIX	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	STS VARIANCE
1	6	6W200		NEW		2			17'-5"	11'-6"		
1	6	6N301		NEW		2			12'-6"	16'-10"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GRANT H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR PLAN - AREA A & B2	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE128A-B2 SHEET 149 of 797

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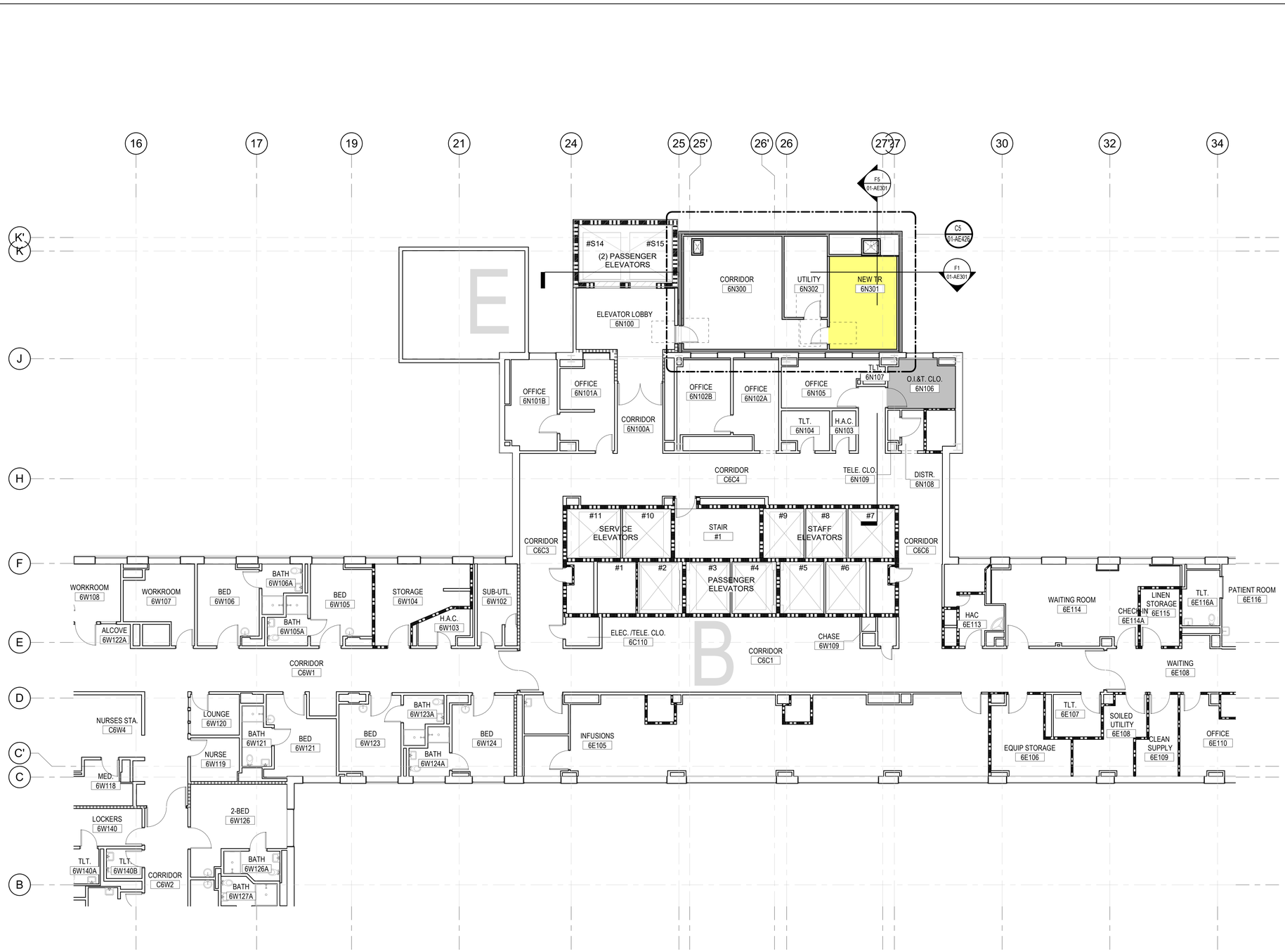


GENERAL NOTES:

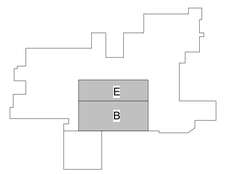
BLDG	FLR	ROOM	X-MATRIX	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	OSTS VARIANCE
1	6	6W200		NEW		2			17'-5"	11'-6"		
1	6	6N301		NEW		2			12'-6"	16'-10"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA014104

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR PLAN - AREA B & E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE128B-E
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VA FORM 08 - 6231

GENERAL NOTES:

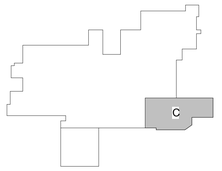
BLDG	FLR	ROOM	X-MATRIX	PROP/SAL	ALT	RA/CK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTON	SSTS VARIANCE
1	6	6W200		NEW		2			17'-5"	11'-6"		
1	6	6N301		NEW		2			12'-6"	16'-10"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

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Revisions:	Date:

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR PLAN - AREA C	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE128C
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 151 of 797

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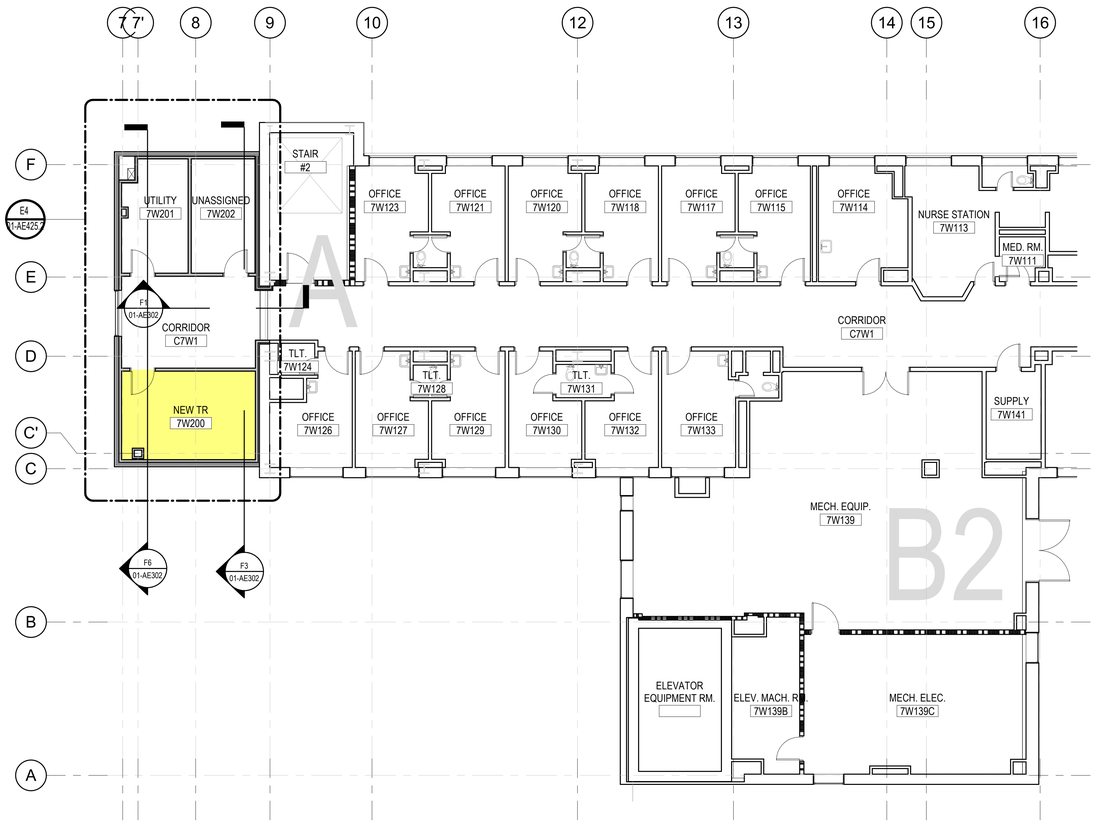


GENERAL NOTES:

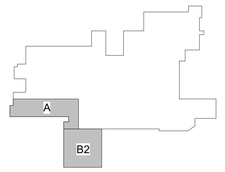
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	7	7N301	NEW		2			12'-6"	16'-10"		
1	7	7W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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Alexandria, VA 22314

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REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA
CHRISTINE H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SEVENTH FLOOR PLAN - AREA A & B2	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE129A-B2

SHEET 152 of 797

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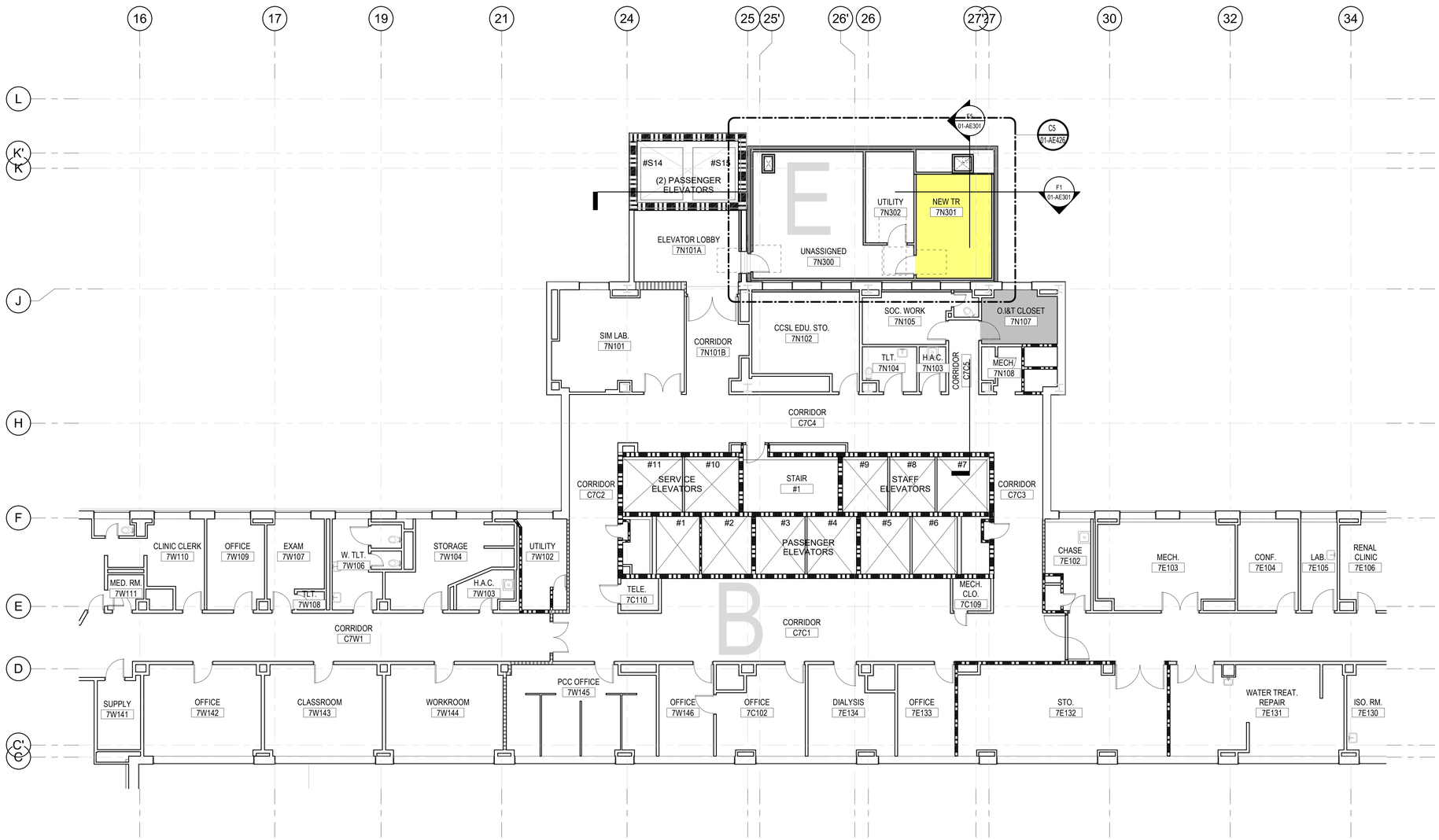

GENERAL NOTES:

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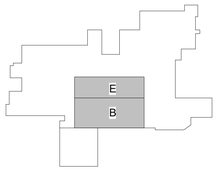
1	7	7N301	NEW		2			12'-6"	16'-10"		
1	7	7W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SEVENTH FLOOR PLAN - AREA B & E
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE129B-E
	SHEET 153 of 797

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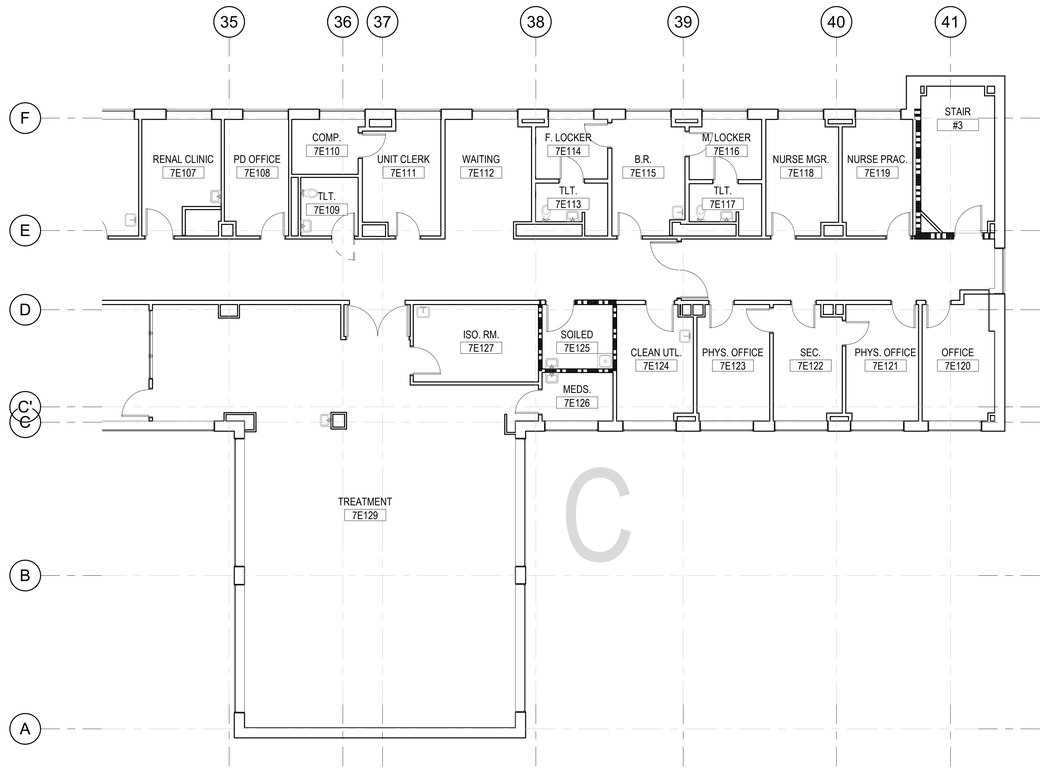


GENERAL NOTES:

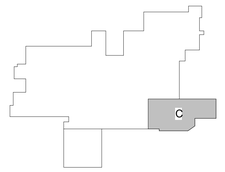
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	7	7N301	NEW		2			12'-6"	16'-10"		
1	7	7W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA
ERIK H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SEVENTH FLOOR PLAN - AREA C
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE129C
	SHEET 154 of 797

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VA FORM 08 - 6231

GENERAL NOTES:

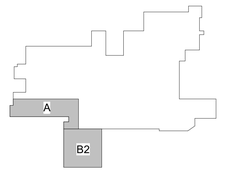
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	EHRM EXCEPTION	ISTS VARIANCE
1	8	8N301	NEW		2			12'-6"		
1	8	8W200	NEW		2			17'-7"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT COMMONWEALTH OF PENNSYLVANIA CHRISTOPHER H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EIGHTH FLOOR PLAN - AREA A & B	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE130A-B2

SHEET 155 of 797

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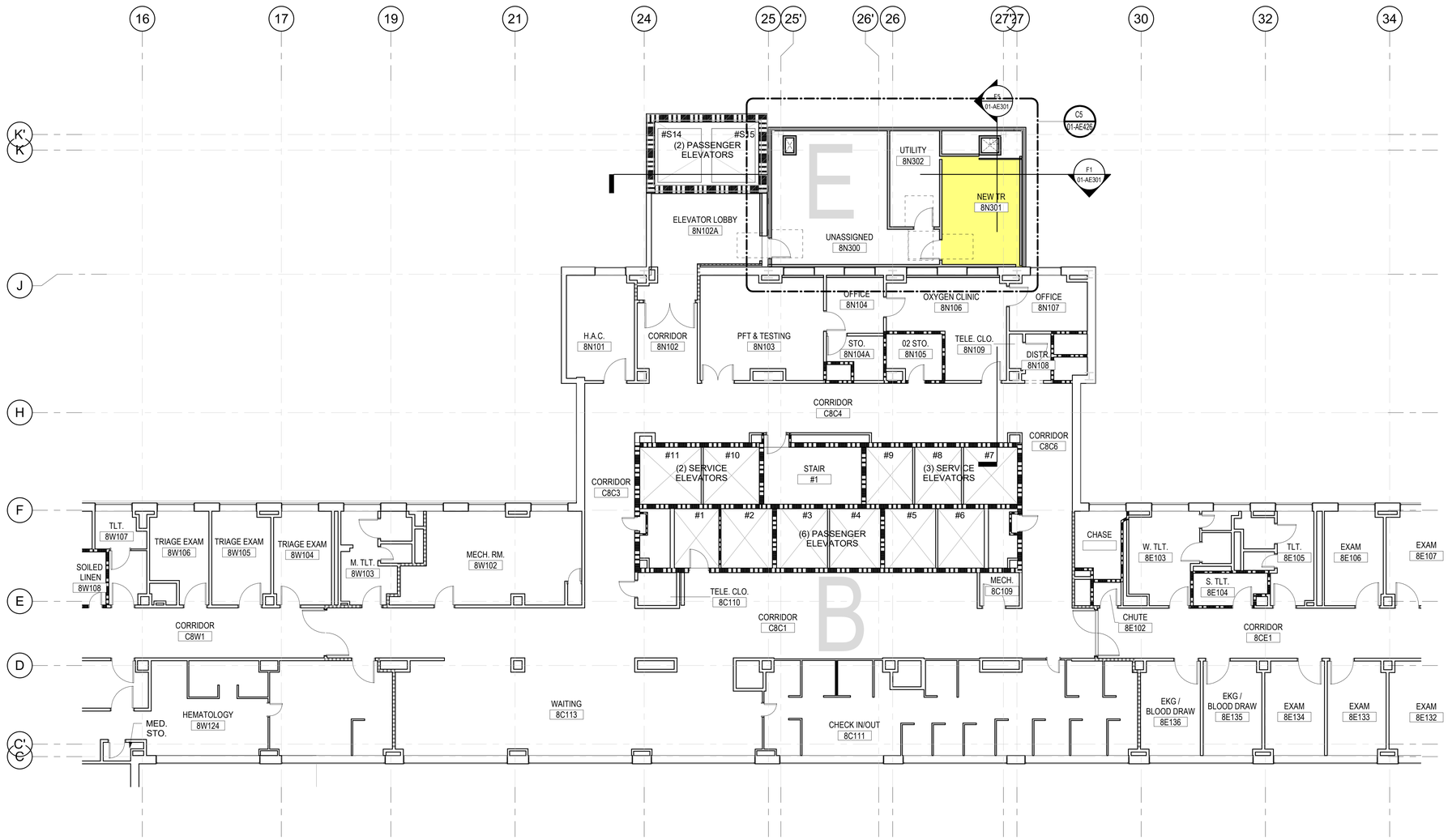


GENERAL NOTES:

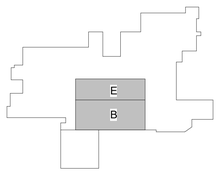
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	EHRM EXCEPTON	ISTS VARIANCE
1	8	8N301	NEW		2			12'-6"		
1	8	8W200	NEW		2			17'-7"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GREGORY H. KLOW NO. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	EIGHTH FLOOR PLAN - AREA B & E
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE130B-E
	SHEET 156 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.01 A PIT EHRM.rvt
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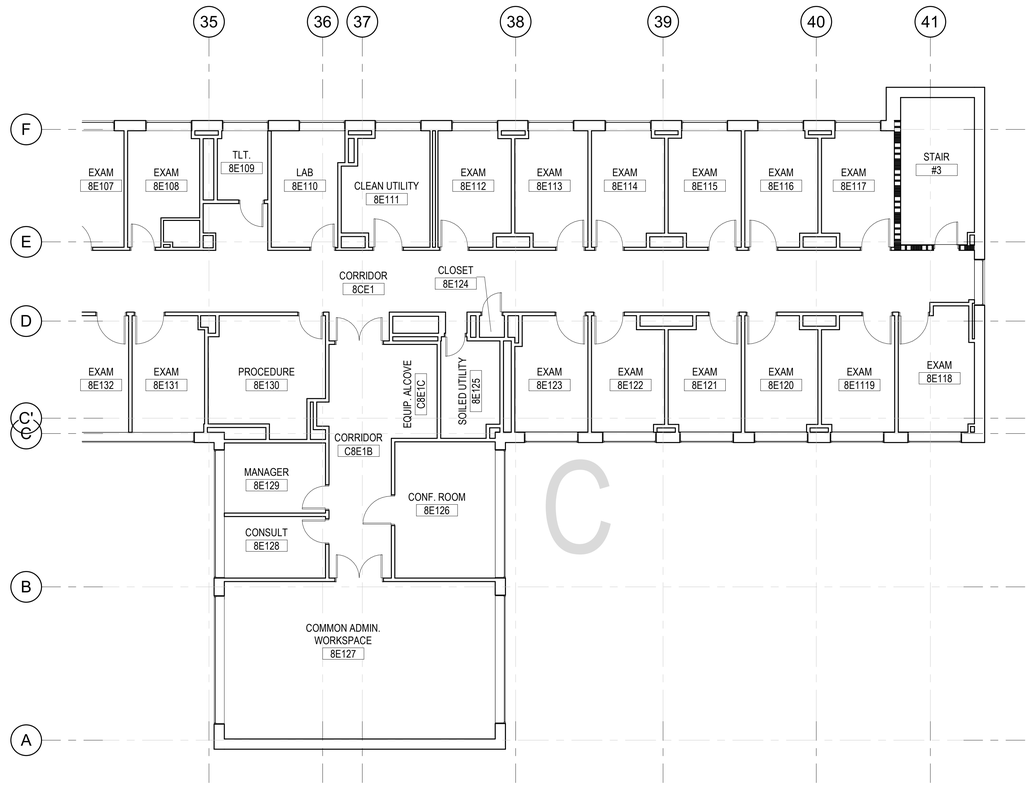


GENERAL NOTES:

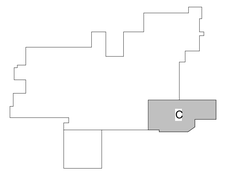
BLDG	FLR	ROOM	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	EHRM EXCEPTION	ISTS VARIANCE
1	8	8N301	NEW		2			12'-6"		
1	8	8W200	NEW		2			17'-7"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE

5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GLENN H. KLOW No. RA007174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EIGHTH FLOOR PLAN - AREA C

Phase: FINAL BID DOCUMENTS

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Project Number: 646-22-700

Building Number: 1

Approved:

FULLY SPRINKLERED

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked:

Drawn:

Drawing Number: 01-AE130C

SHEET 157 of 797

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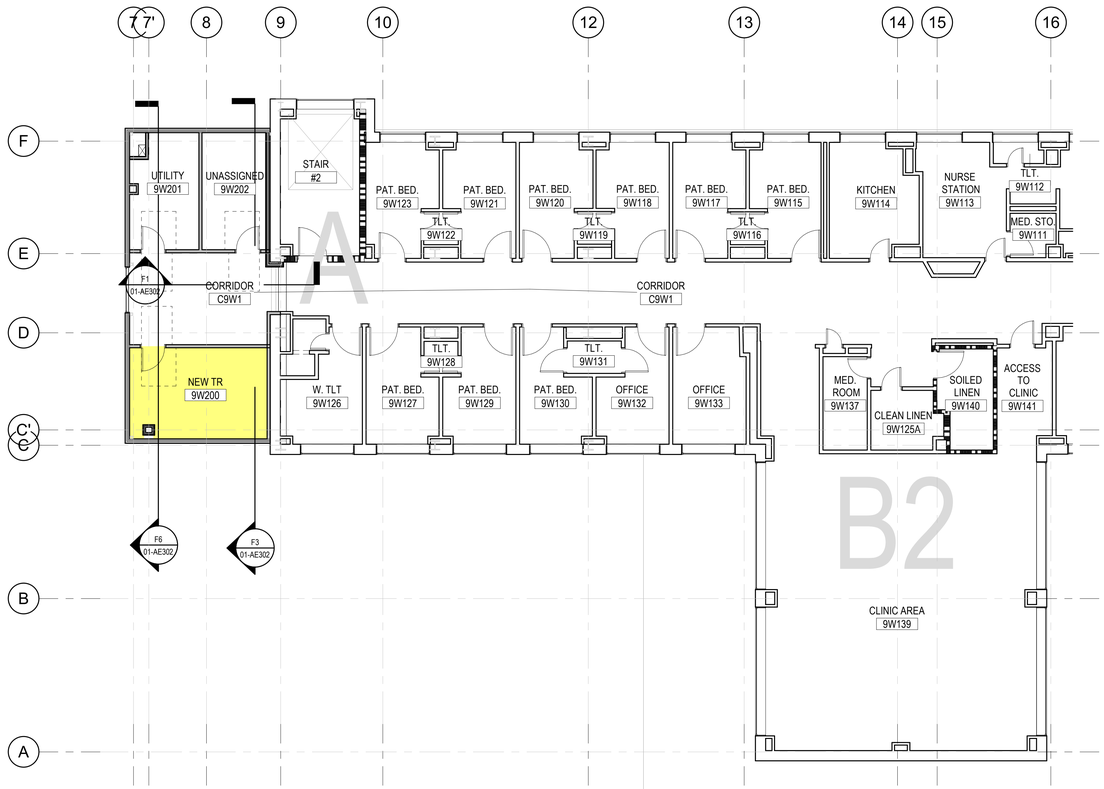


GENERAL NOTES:

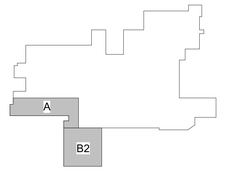
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	9	9N301	NEW		2			12'-6"	16'-10"		
1	9	9W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA GRANT H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	NINTH FLOOR PLAN - AREA A & B2
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
	FULLY SPRINKLERED
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE131A-B2
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GENERAL NOTES:

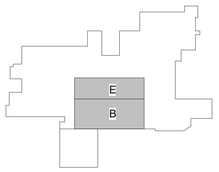
BLDG	FLR	ROOM	PROP/SAL	ALT	RA/CK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	9	9N301	NEW		2			12'-6"	16'-10"		
1	9	9W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: NINTH FLOOR PLAN - AREA B & E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE131B-E
			SHEET 159 of 797

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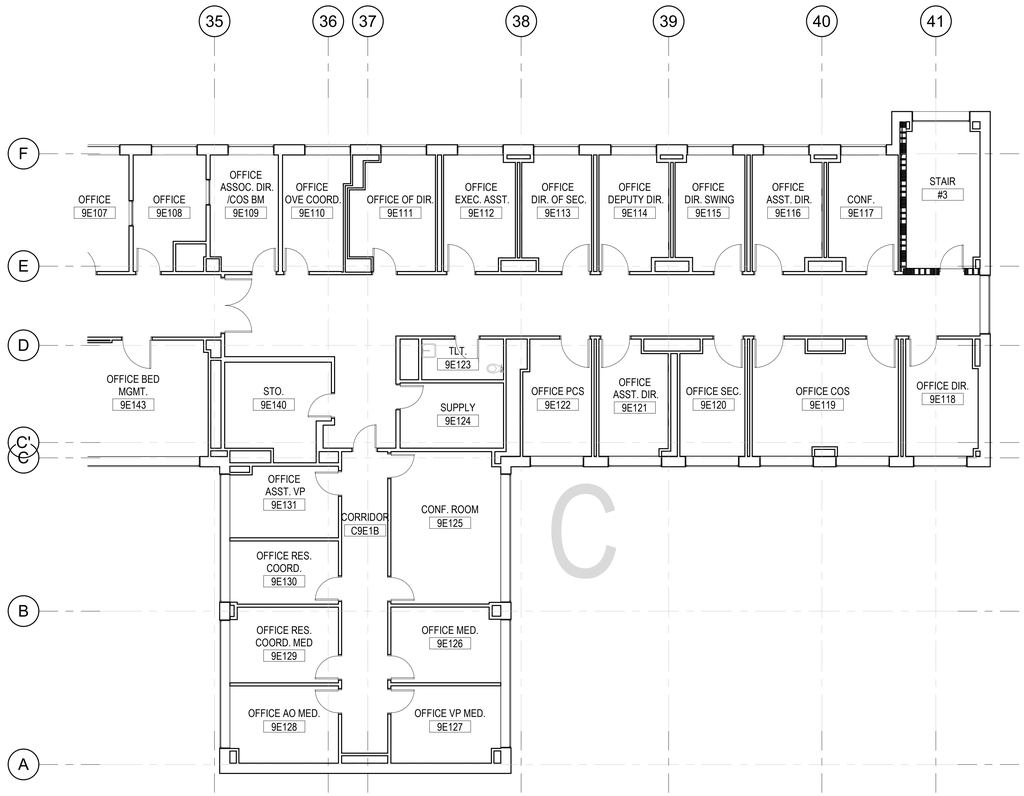


GENERAL NOTES:

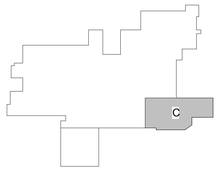
BLDG	FLR	ROOM	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	9	9N301	NEW		2			12'-6"	16'-10"		
1	9	9W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA007141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	NINTH FLOOR PLAN - AREA C
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE131C
	SHEET 160 of 797

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GENERAL NOTES:

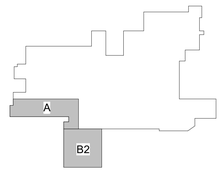
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	10	10N301	NEW		2			12'-6"	16'-10"		
1	10	10W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GRANT H. KLOW No. RA407761

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	TENTH FLOOR PLAN - AREA A & B2
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Drawing Number	01-AE132A-B2
	SHEET 161 of 797

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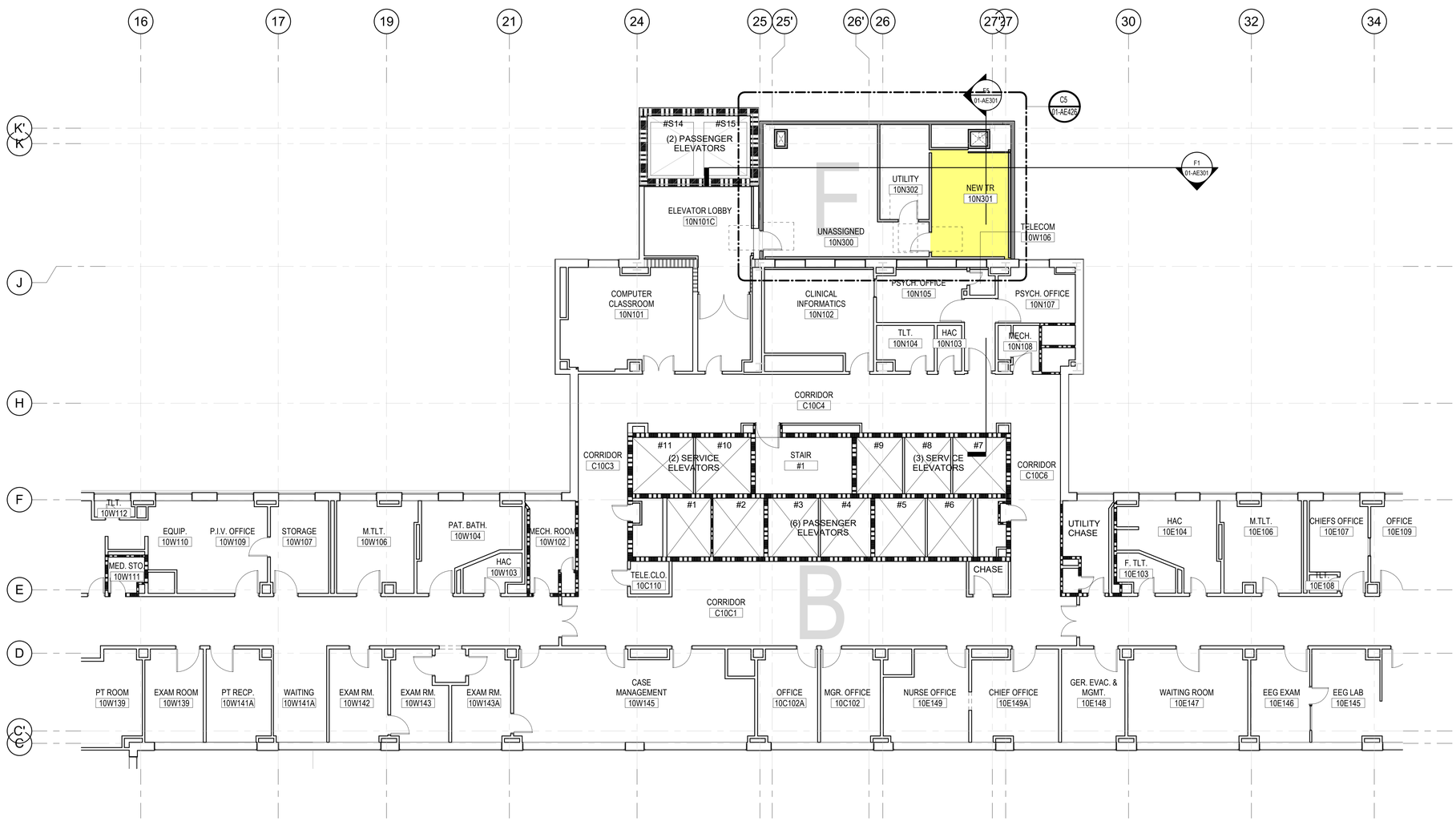


GENERAL NOTES:

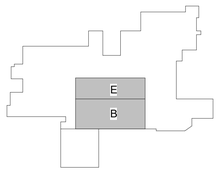
BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	10	10N301	NEW		2			12'-6"	16'-10"		
1	10	10W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW NO. RA012141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TENTH FLOOR PLAN - AREA B & E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE132B-E
			SHEET 162 of 797

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6/13/2025 7:00:14 AM
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GENERAL NOTES:

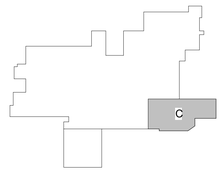
BLDG	FLR	ROOM	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	10	10N301	NEW		2			12'-6"	16'-10"		
1	10	10W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
CARLTON H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	TENTH FLOOR PLAN - AREA C
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE132C
	SHEET 163 of 797

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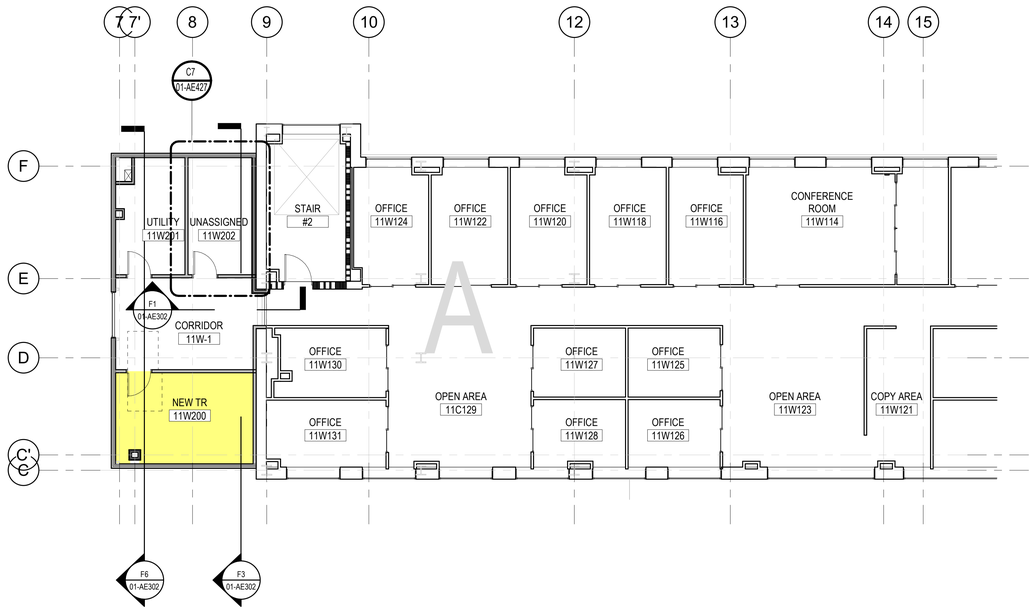


GENERAL NOTES:

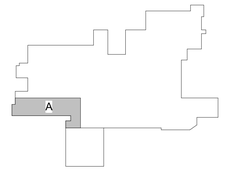
BLDG	FLR	ROOM	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	11	11N301	NEW		2			12'-6"	16'-10"		
1	11	11W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
- TR FROM BELOW OR ABOVE
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA EUGENE H. KLOW No. RA007141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ELEVENTH FLOOR PLAN - AREA A
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE133A
	SHEET 164 of 797

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GENERAL NOTES:

BLDG	FLR	ROOM	PROPOSAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	11	11N301	NEW		2			12'-6"	16'-10"		
1	11	11W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
- ABANDONED
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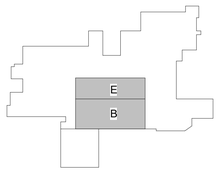
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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A/E:
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA RENE H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELEVENTH FLOOR PLAN - AREA B & E	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE133B-E
			SHEET 165 of 797

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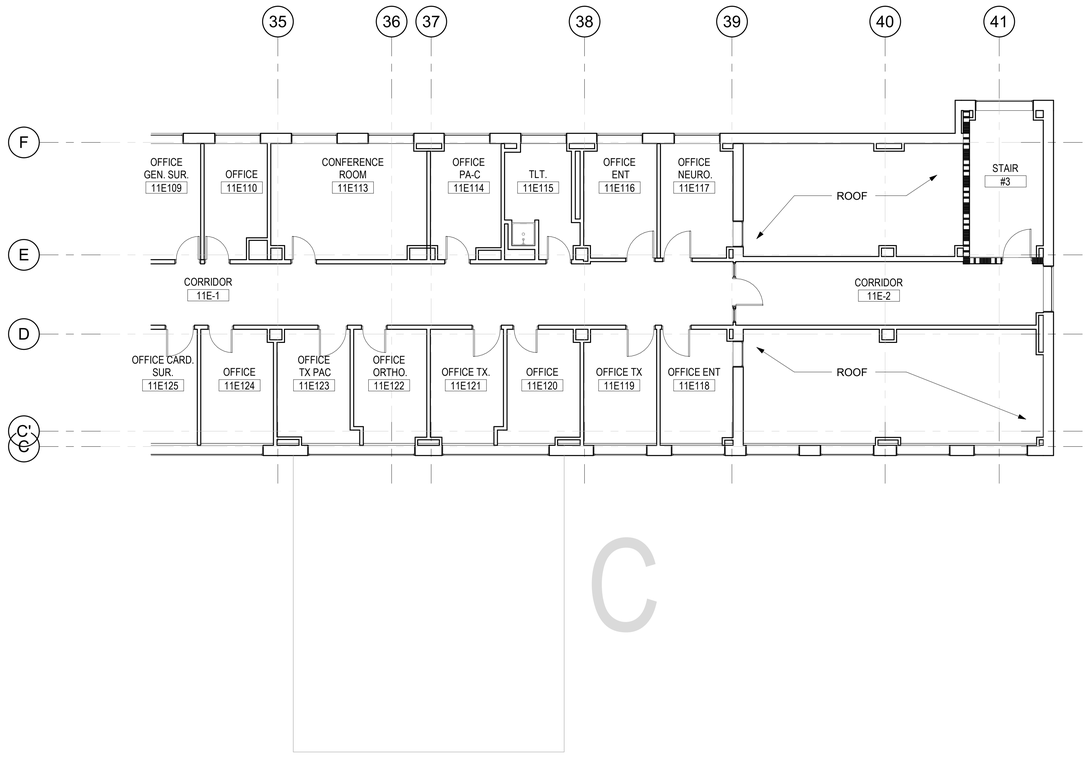

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GENERAL NOTES:

BLDG	FLR	ROOM	PROP/SAL	ALT	RACK	BOD COMMENTS	ADJUST	(E) WIDTH	(E) DEPTH	EHRM EXCEPTION	ISTS VARIANCE
1	11	11N301	NEW		2			12'-6"	16'-10"		
1	11	11W200	NEW		2			17'-7"	11'-6"		

EHRM LEGEND

- ASSIGNED
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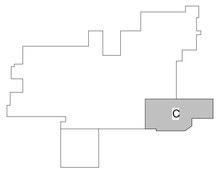
- DIAMOND ANALYSIS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER



PLAN NORTH

1/8" = 1'-0" SCALE — 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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A/E:
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215 N. Payne Street, Suite 122
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REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW NO. RA024174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELEVENTH FLOOR PLAN - AREA C	Phase: FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
	Building Number: 1
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE133C
Issue Date: 06.13.2025 / Checked / Drawn	SHEET 166 of 797

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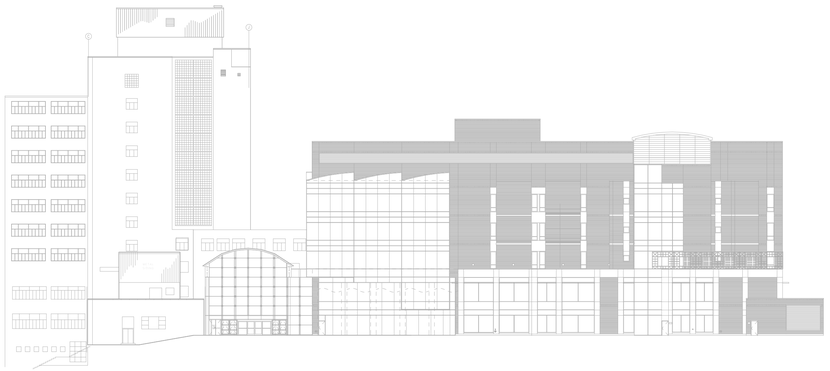
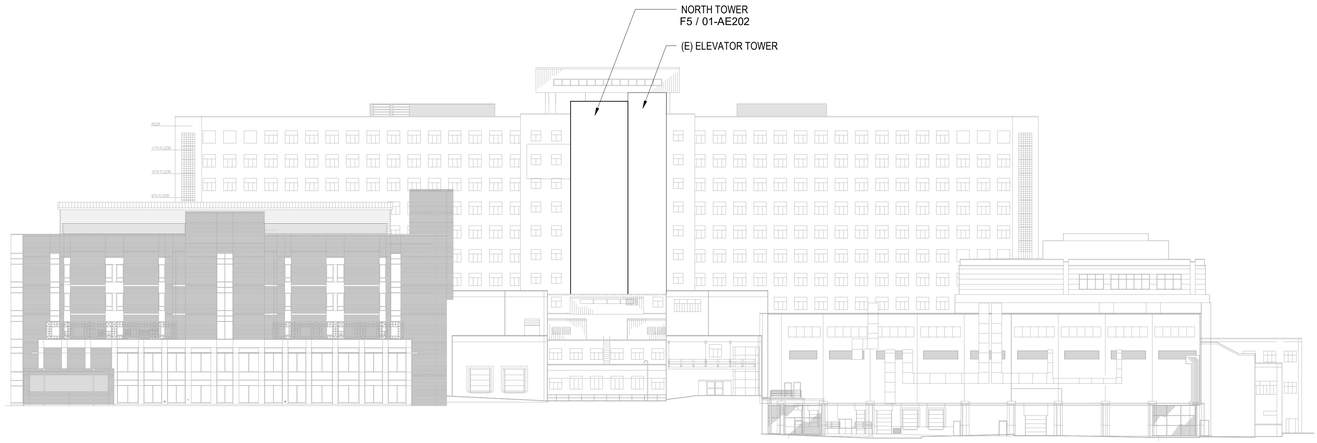
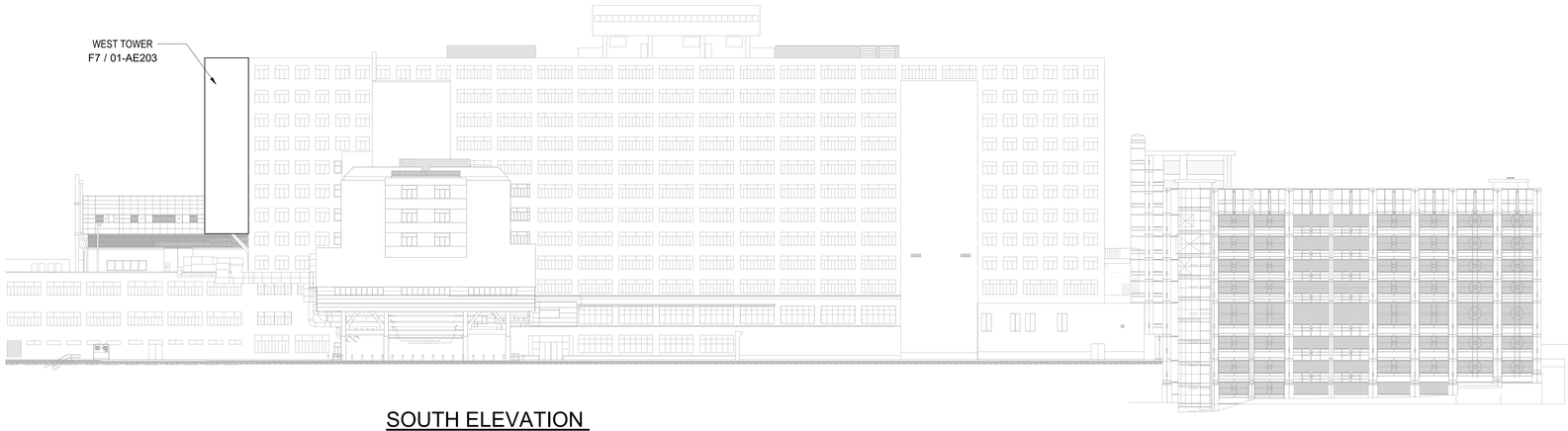


EAST ELEVATION



NORTH ELEVATION



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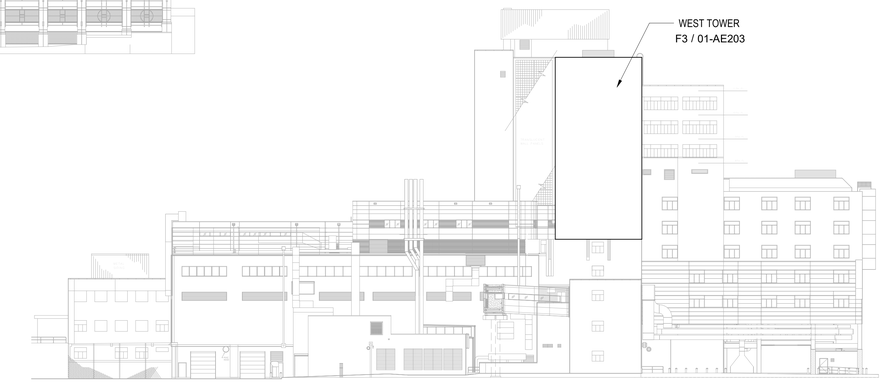

WEST ELEVATION

30 0 30 60
1" = 30'-0"
SCALE FEET

Revisions:	Date:

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA JOHN H. KLOW No. RA407741

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING ELEVATIONS

Phase: FINAL BID DOCUMENTS

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Project Number: 646-22-700

Building Number: 1

Approved:

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked:

Drawn:

Drawing Number: 01-AE201

SHEET 167 of 797

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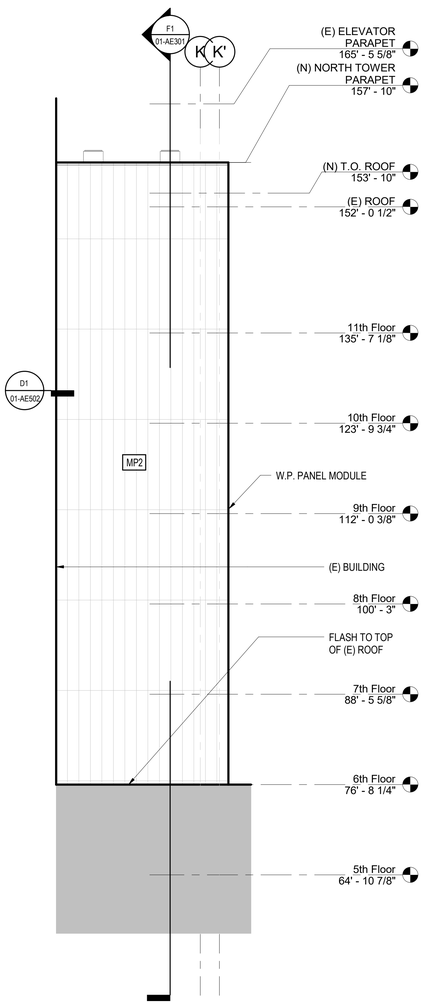

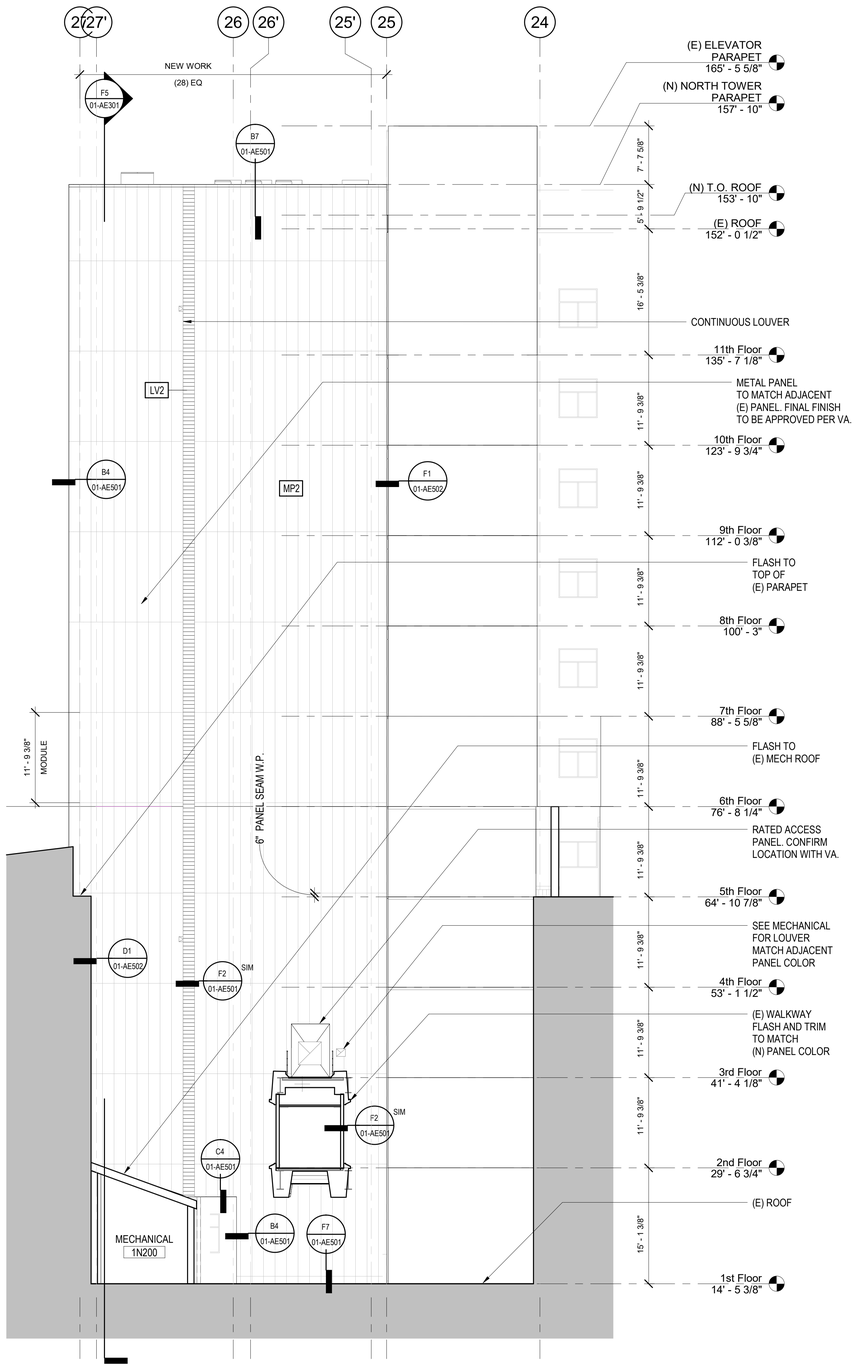

GENERAL NOTES:

MP-1	METAL PANEL: SILVER 9946 OR EQUIVALENT TO MATCH ADJACENT (E) SILVER METAL PANEL. CONFIRM COLOR WITH VA.
MP-2	METAL PANEL: ANTIQUE BRONZE TO MATCH ADJACENT (E) ANTIQUE BRONZE METAL PANEL. CONFIRM COLOR WITH VA.
W-1	WINDOW ASSEMBLY: SILVER 9946 OR EQUIVALENT TRIM INTERIOR AND EXTERIOR TO MATCH ADJACENT (E) SILVER METAL PANEL. CLEAR LOW-E GLASS IGU. CONFIRM COLOR WITH VA.
W-2	SPANDREL PANEL: SILVER 9946 OR EQUIVALENT TRIM INTERIOR AND EXTERIOR TO MATCH ADJACENT (E) SILVER METAL PANEL. MIRROR GLASS. CONFIRM COLOR WITH VA.
W-3	SPANDREL PANEL: SILVER 9946 OR EQUIVALENT TRIM INTERIOR AND EXTERIOR TO MATCH ADJACENT (E) SILVER METAL PANEL. MIRROR GLASS. CONFIRM COLOR WITH VA.
LV-1	INTEGRATED CONTINUOUS LOUVER: SILVER 9946 OR EQUIVALENT TO MATCH ADJACENT (E) SILVER METAL PANEL. CONFIRM COLOR WITH VA.
LV-2	INTEGRATED CONTINUOUS LOUVER: ANTIQUE BRONZE TO MATCH ADJACENT (E) ANTIQUE BRONZE METAL PANEL. CONFIRM COLOR WITH VA.

F3 NORTH TOWER - EAST ELEVATION
1/8" = 1'-0" REF FROM: E5 / 01-AE417

F5 NORTH TOWER - NORTH ELEVATION
1/8" = 1'-0" REF FROM: C5 / 01-AE418

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA014541

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	TOWER ELEVATIONS - NORTH
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE202
	SHEET 168 of 797

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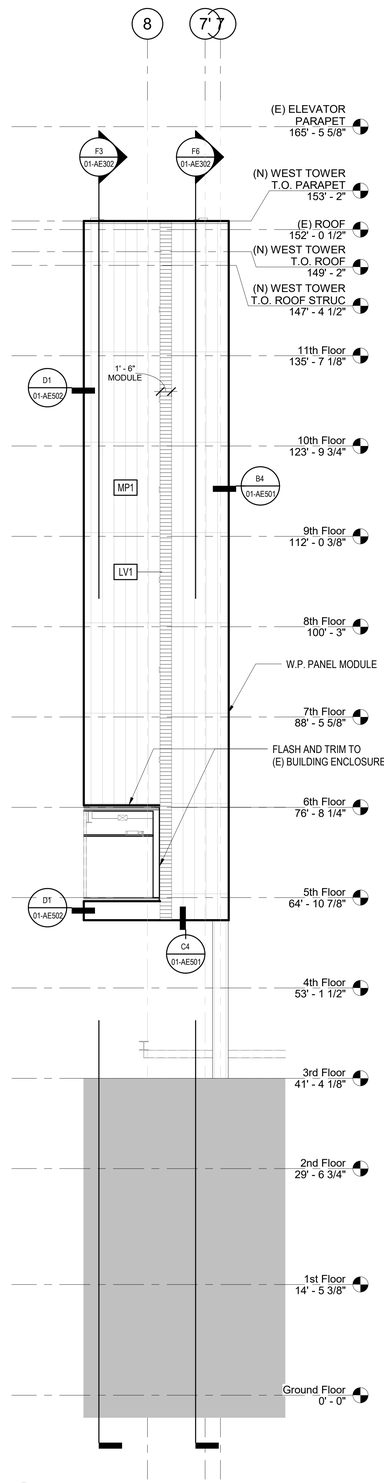
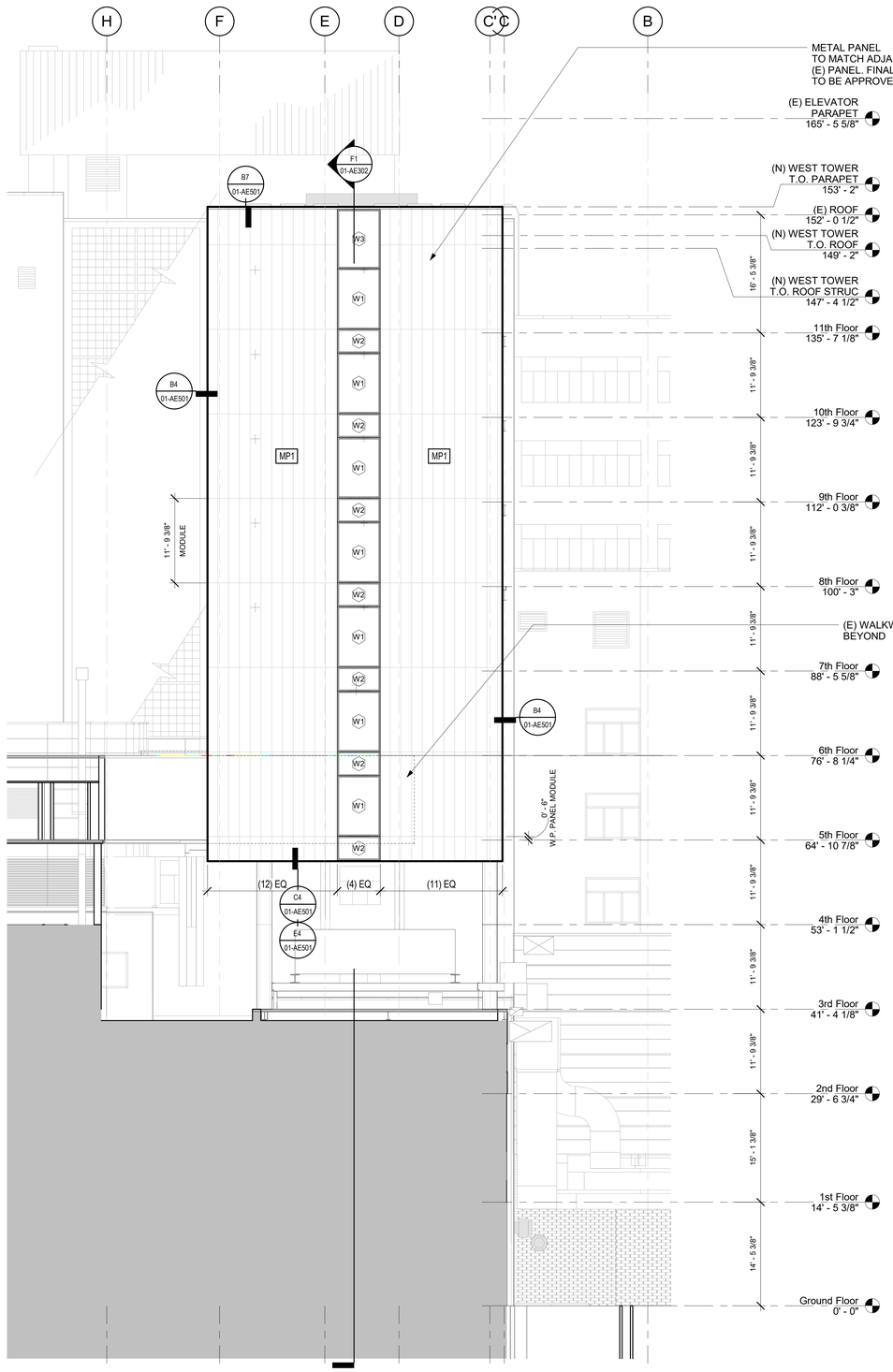


F1 WEST TOWER - NORTH ELEVATION
1/8" = 1'-0" REF FROM: E4 / 01-AE423.2



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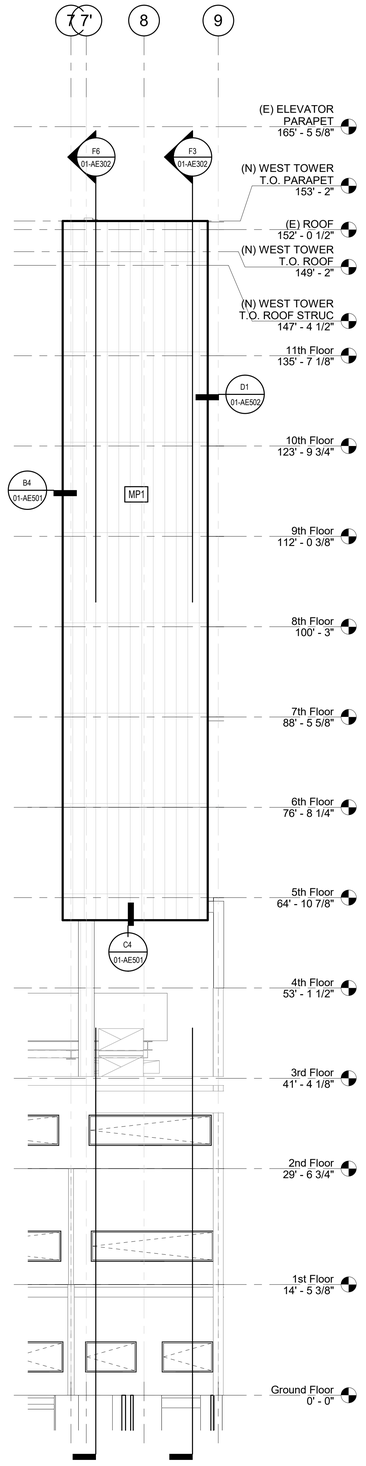

F7 WEST TOWER - SOUTH ELEVATION
1/8" = 1'-0" REF FROM: E4 / 01-AE423.2

GENERAL NOTES:

MP-1	METAL PANEL: SILVER 9946 OR EQUIVALENT TO MATCH ADJACENT (E) SILVER METAL PANEL. CONFIRM COLOR WITH VA.
MP-2	METAL PANEL: ANTIQUE BRONZE TO MATCH ADJACENT (E) ANTIQUE BRONZE METAL PANEL. CONFIRM COLOR WITH VA.
W-1	WINDOW ASSEMBLY: SILVER 9946 OR EQUIVALENT TRIM INTERIOR AND EXTERIOR TO MATCH ADJACENT (E) SILVER METAL PANEL. CLEAR LOW-E GLASS IGU. CONFIRM COLOR WITH VA.
W-2	SPANDREL PANEL: SILVER 9946 OR EQUIVALENT TRIM INTERIOR AND EXTERIOR TO MATCH ADJACENT (E) SILVER METAL PANEL. MIRROR GLASS. CONFIRM COLOR WITH VA.
W-3	SPANDREL PANEL: SILVER 9946 OR EQUIVALENT TRIM INTERIOR AND EXTERIOR TO MATCH ADJACENT (E) SILVER METAL PANEL. MIRROR GLASS. CONFIRM COLOR WITH VA.
LV-1	INTEGRATED CONTINUOUS LOUVER: SILVER 9946 OR EQUIVALENT TO MATCH ADJACENT (E) SILVER METAL PANEL. CONFIRM COLOR WITH VA.
LV-2	INTEGRATED CONTINUOUS LOUVER: ANTIQUE BRONZE TO MATCH ADJACENT (E) ANTIQUE BRONZE METAL PANEL. CONFIRM COLOR WITH VA.

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
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REGISTERED ARCHITECT PENNSYLVANIA
ERNEST H. KLOW NO. RA407941

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TOWER ELEVATIONS - WEST	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE203
			SHEET 169 of 797

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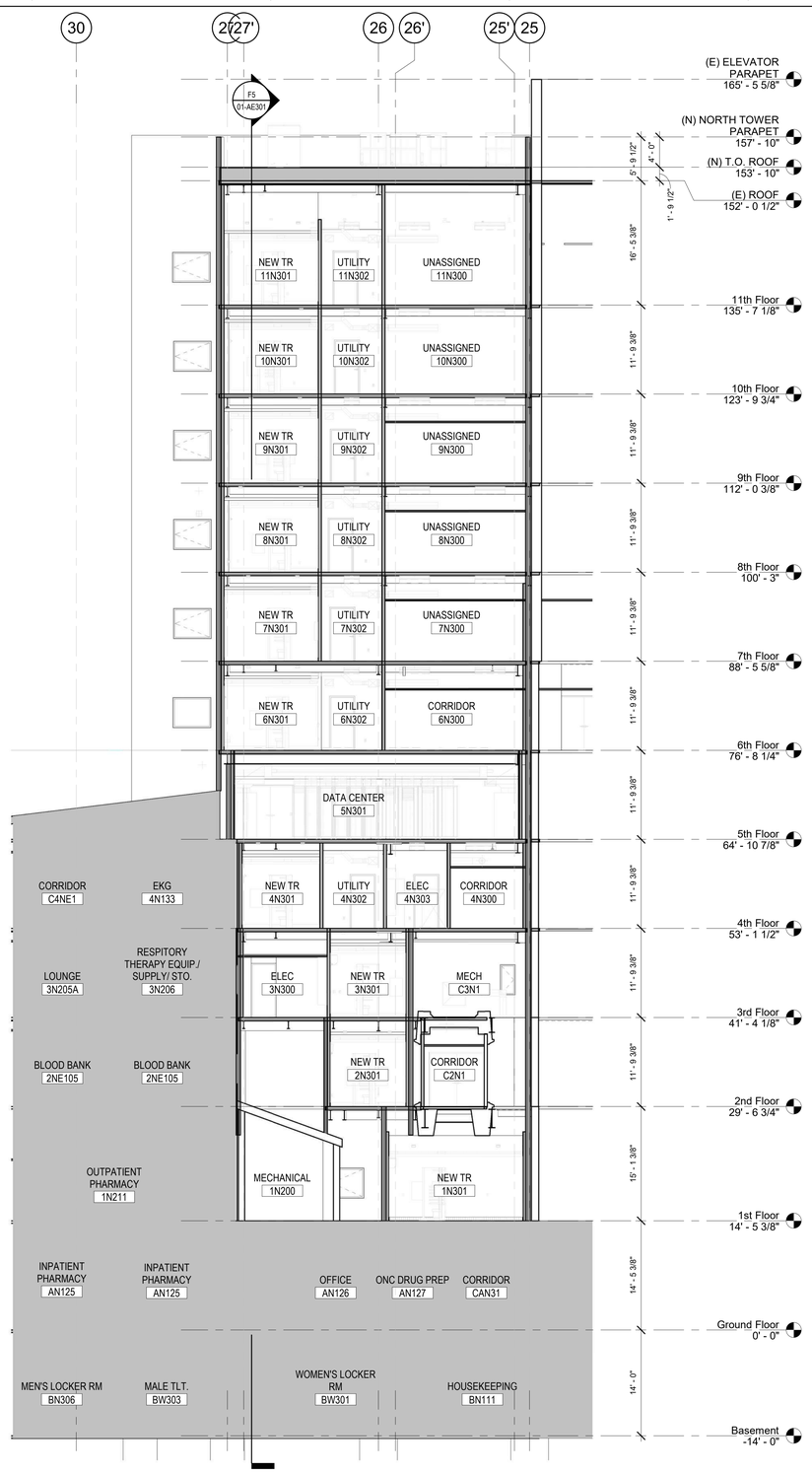
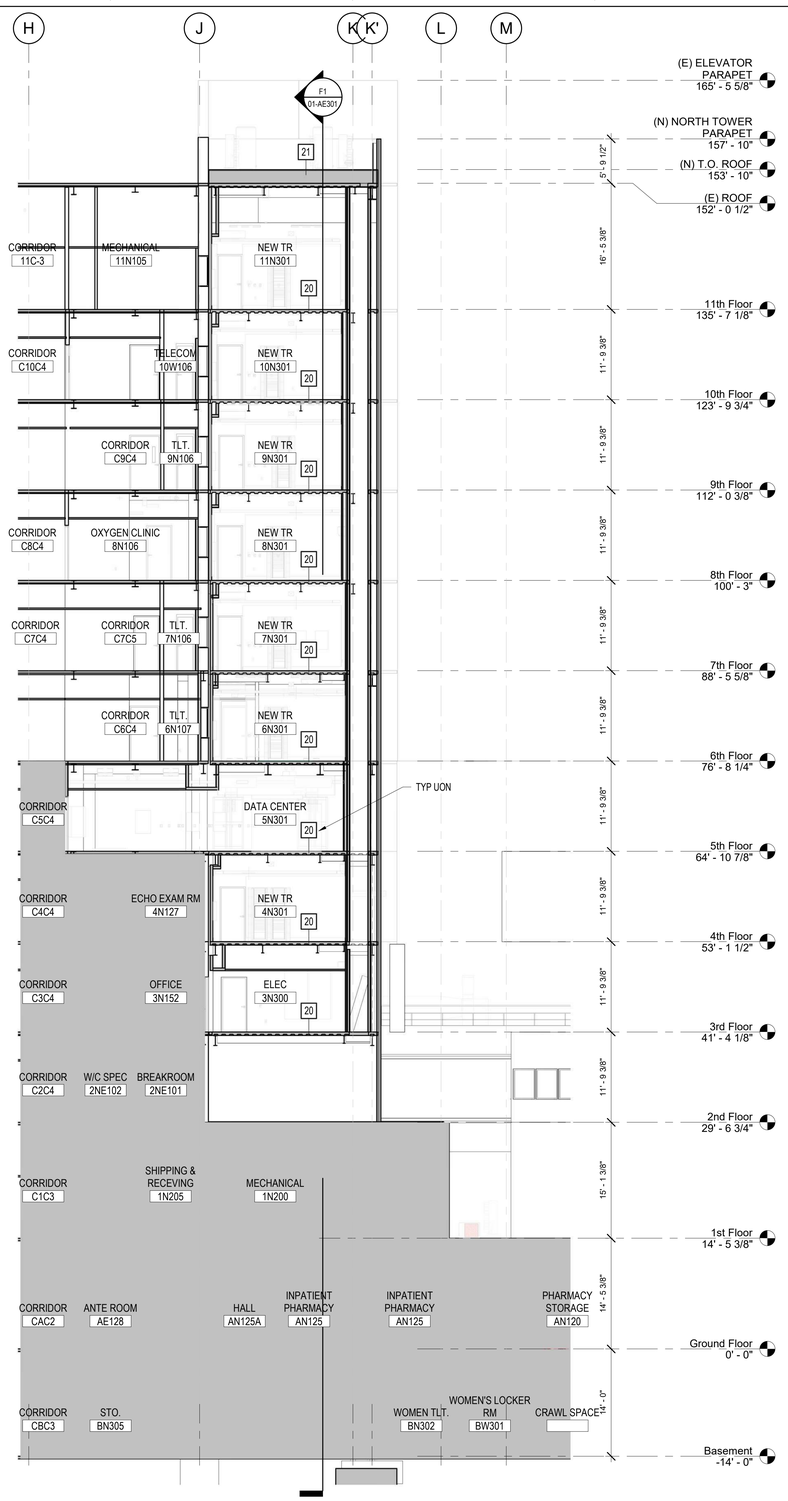


F1 TOWER_EW
1/8" = 1'-0" REF FROM: 1 / 01-AE121E



F5 TOWER_NS
1/8" = 1'-0" REF FROM: 1 / 01-AE121B

GENERAL NOTES:

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA WAYNE H. KLOW No. RA014151

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BUILDING SECTIONS - NORTH TOWER
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE301
	SHEET 170 of 797

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F1 TOWER WEST_EW
1/8" = 1'-0" REF FROM: 1 / 01-AE121A

F3 TOWER WEST_NS2
1/8" = 1'-0" REF FROM: 1 / 01-AE121A

F6 TOWER WEST_NS
1/8" = 1'-0" REF FROM: 1 / 01-AE121A

GENERAL NOTES:

1/8" = 1'-0" SCALE 5 0 5 10 15 20 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING SECTIONS - WEST TOWER	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE302
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 171 of 797

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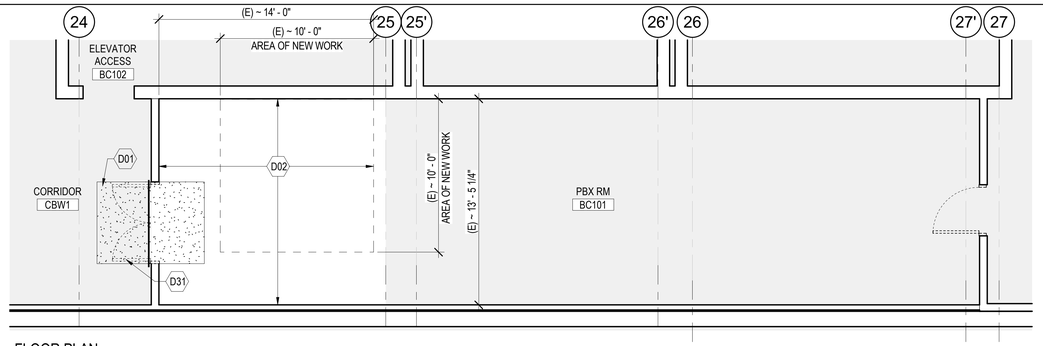
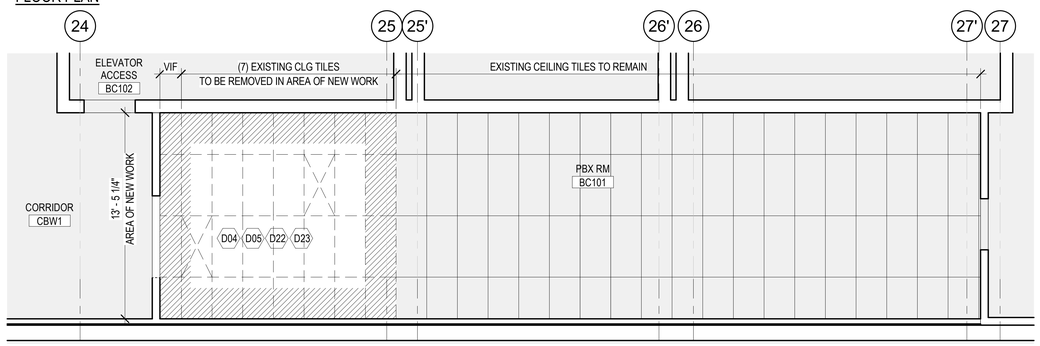


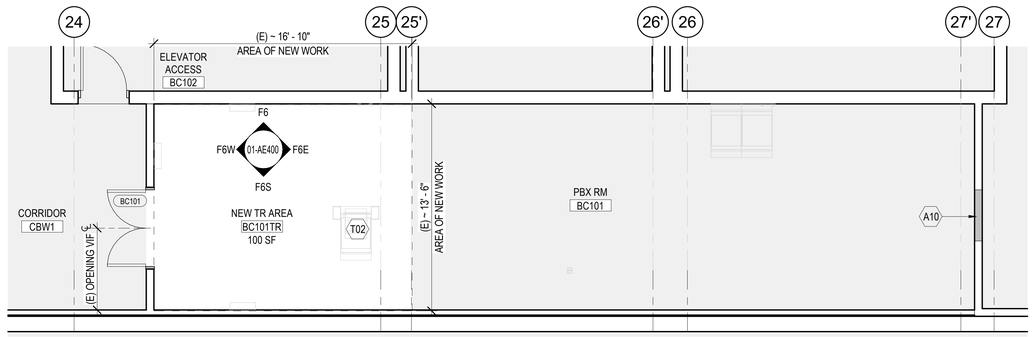
FLOOR PLAN



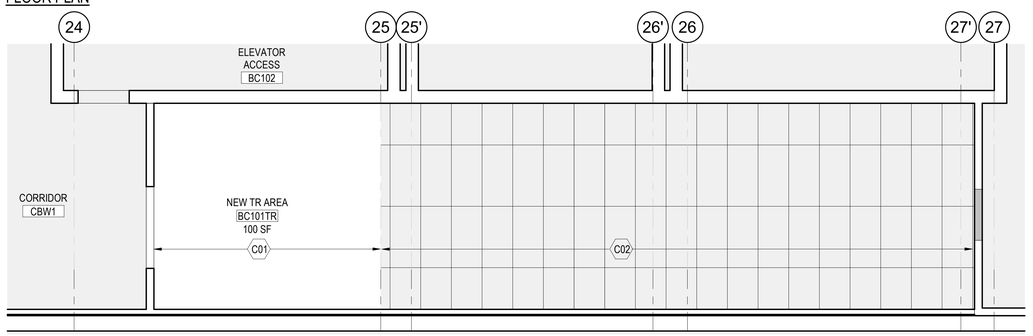
REFLECTED CEILING PLAN

C1 TR BC101 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE121B



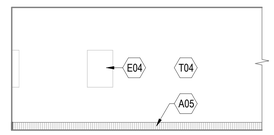
FLOOR PLAN



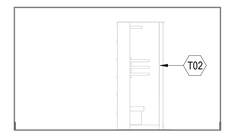
REFLECTED CEILING PLAN

F1 TR BC101 FLOOR PLAN AND RCP

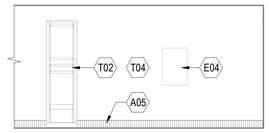
1/4" = 1'-0" REF FROM: 1 / 01-AE121B



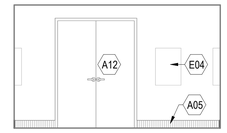
F6 - ELEVATION FACING NORTH



F6E - ELEVATION FACING EAST



F6S - ELEVATION FACING SOUTH



F6W - ELEVATION FACING WEST

F6 TR BC101TR INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: F1 / 01-AE400

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A10	OPENING INFILL.
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D22	ANY (E) CABLING TO REMAIN SHALL BE SECURED TO THE (E) STRUCTURE ABOVE.
D23	RECONFIGURE AND REPLACE (E) SPRINKLER COMPONENTS AS REQURED TO RESOLVE NEW CEILING AND HEAD COVERAGE CONDITIONS.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA
JOSEPH KLOW NO. RA026361

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BC101TR - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE400
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 172 of 797

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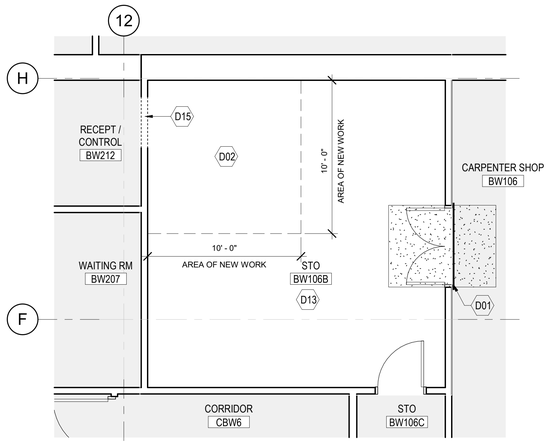
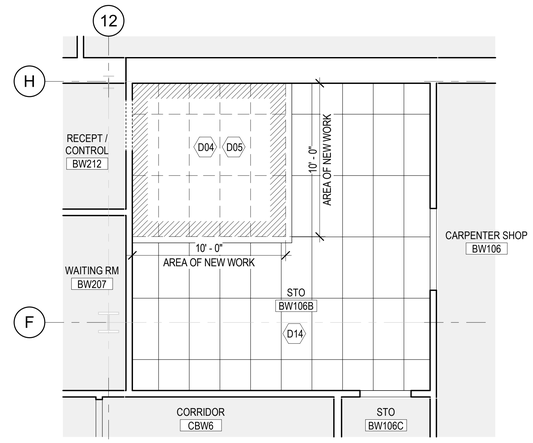


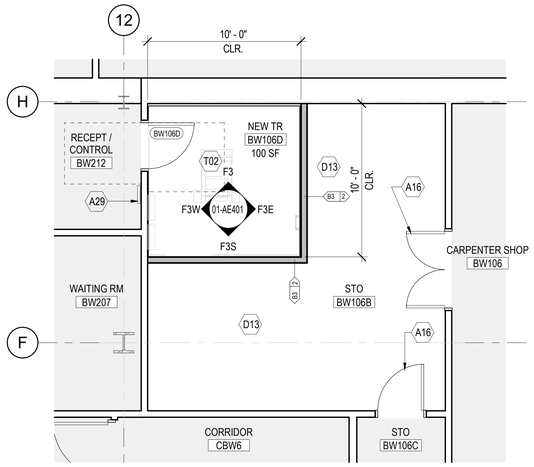
FLOOR PLAN



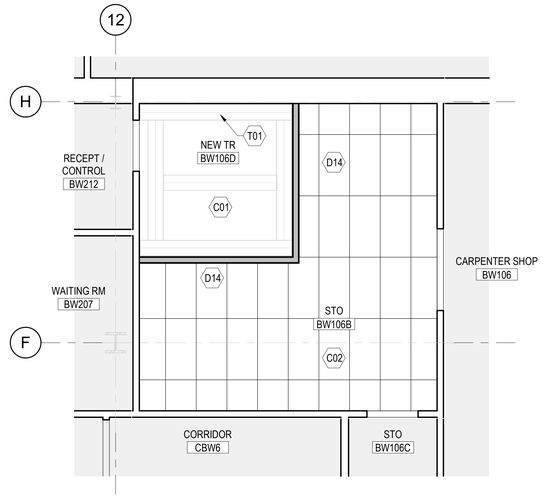
REFLECTED CEILING PLAN

C3 TR BW106B DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE121A



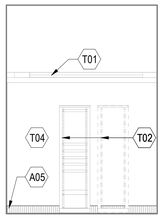
FLOOR PLAN



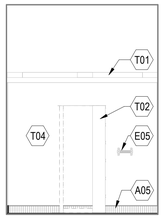
REFLECTED CEILING PLAN

E3 TR BW106B FLOOR PLAN AND RCP

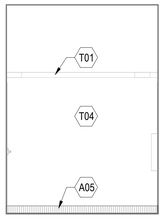
1/4" = 1'-0" REF FROM: 1 / 01-AE121A



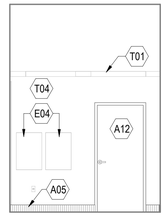
F3 - ELEVATION FACING NORTH



F3E - ELEVATION FACING EAST



F3S - ELEVATION FACING SOUTH



F3W - ELEVATION FACING WEST

F3 TR BW106B INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E3 / 01-AE401

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A16	EXISTING DOOR TO REMAIN.
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D14	PATCH/REPAIR CEILING FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D15	REMOVE PORTION OF EXISTING WALL TO FACILITATE INSTALLATION OF NEW DOOR.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
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215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA
CHRISTOPHER H. KLOW No. RA407744

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BW106B - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE401
			SHEET 173 of 797

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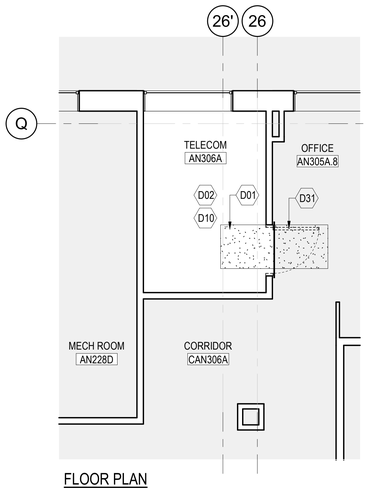
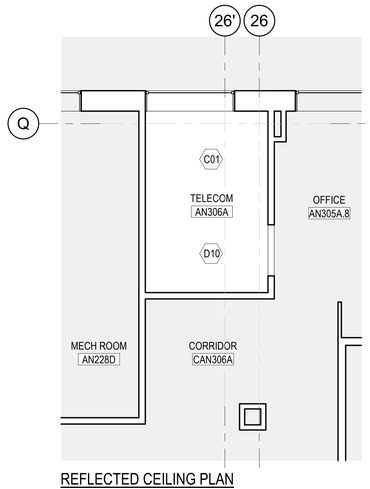


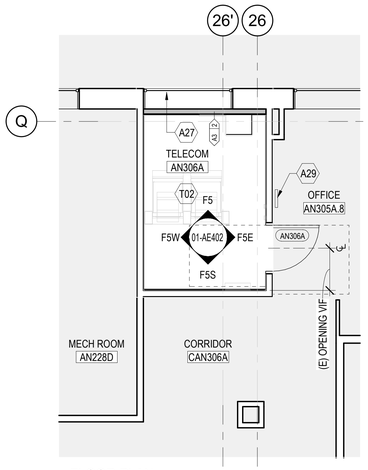
FLOOR PLAN



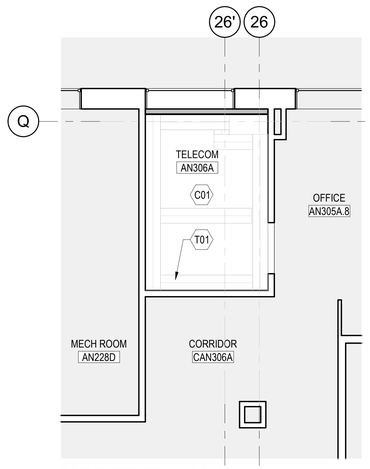
REFLECTED CEILING PLAN

C5 TR AN306A DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE122F



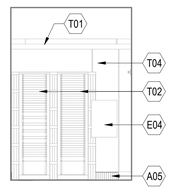
FLOOR PLAN



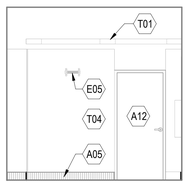
REFLECTED CEILING PLAN

E5 TR AN306A FLOOR PLAN AND RCP

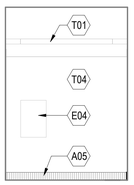
1/4" = 1'-0" REF FROM: 1 / 01-AE122F



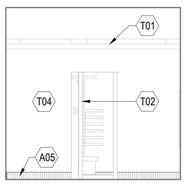
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR AN306A INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE402

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A27	FILM BACK OF WINDOW PER FACILITY STANDARD.
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D10	ASBETOS PRESENT. REFERENCE ASBESTOS REPORT FOR MATERIAL DETAIL AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA009174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: AN306A - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE402
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 174 of 797

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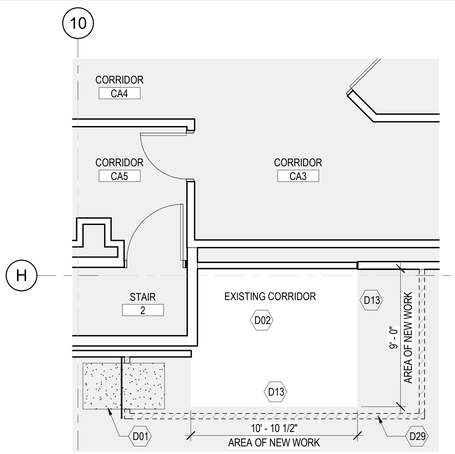
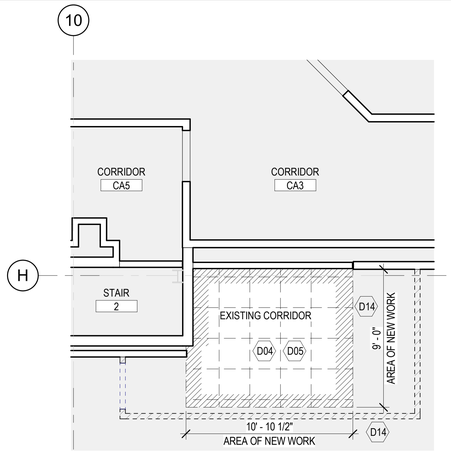


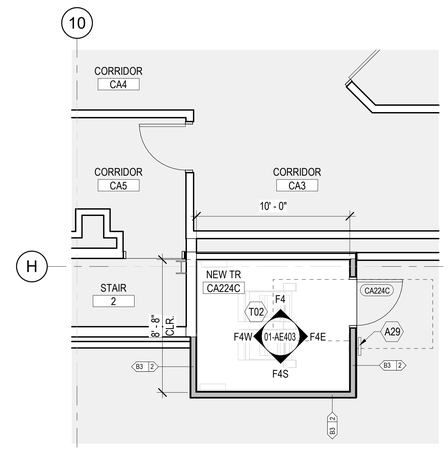
FLOOR PLAN



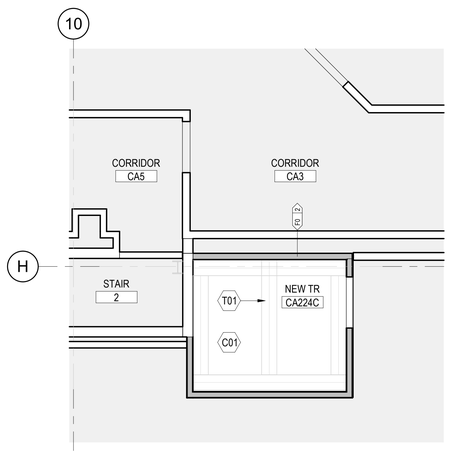
REFLECTED CEILING PLAN

C4 TR CA224C DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE122A



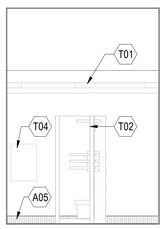
FLOOR PLAN



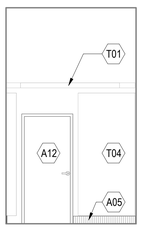
REFLECTED CEILING PLAN

E4 TR CA224C FLOOR PLAN AND RCP

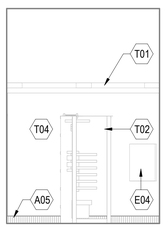
1/4" = 1'-0" REF FROM: 1 / 01-AE122A



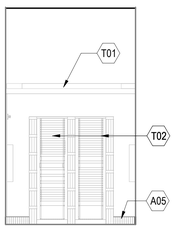
F4 - ELEVATION FACING NORTH



F4E - ELEVATION FACING EAST



F4S - ELEVATION FACING SOUTH



F4W - ELEVATION FACING WEST

F4 TR CA224C INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E4 / 01-AE403

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D14	PATCH/REPAIR CEILING FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D29	TEMPORARY WALL REQUIRED IN THIS LOCATION TO CREATE A DUST BARRIER DURING RENOVATIONS.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA014104

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CA224C - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Approved:	
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE403
	SHEET 175 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.01 A PIT EHRM.rvt
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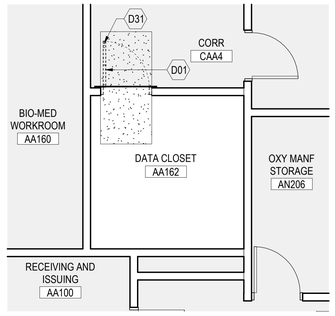
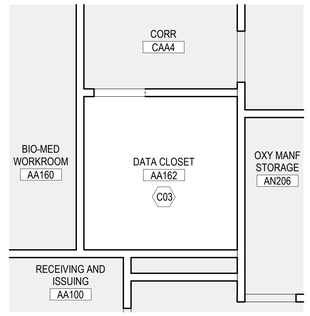


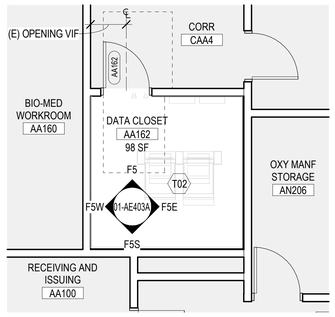
FLOOR PLAN



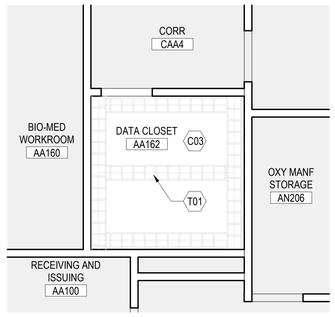
REFLECTED CEILING PLAN

B5 TR AA162 DEMO PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE122F



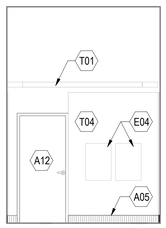
FLOOR PLAN



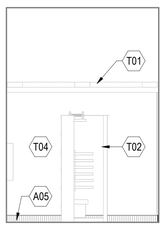
REFLECTED CEILING PLAN

D5 TR AA162 FLOOR PLAN AND RCP

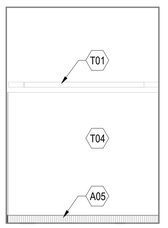
1/4" = 1'-0" REF FROM: 1 / 01-AE122F



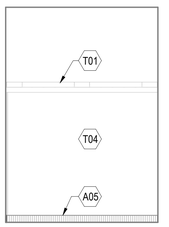
F4 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR AA162 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: D5 / 01-AE403A

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
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Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	AA162 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Approved:	
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Drawing Number	01-AE403A
Issue Date	06.13.2025
Checked	
Drawn	
	FULLY SPRINKLERED

SHEET 176 of 797

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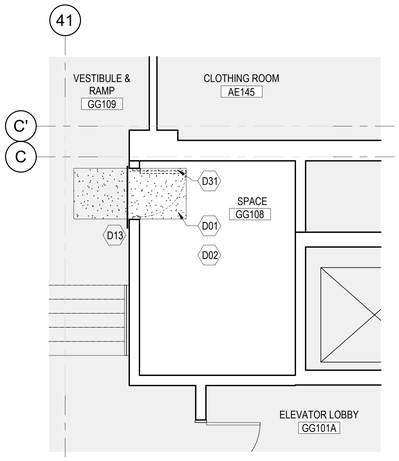
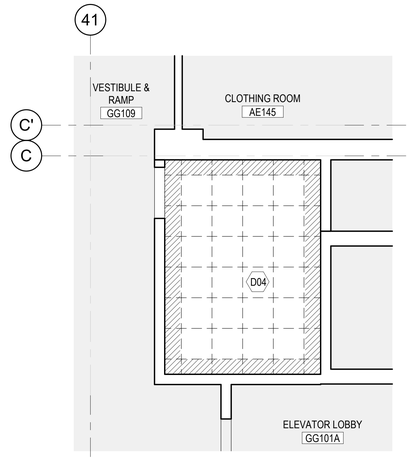


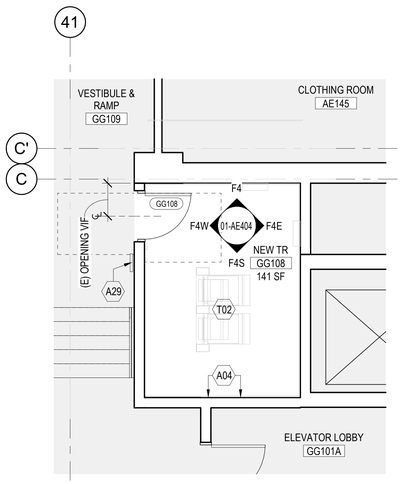
FLOOR PLAN



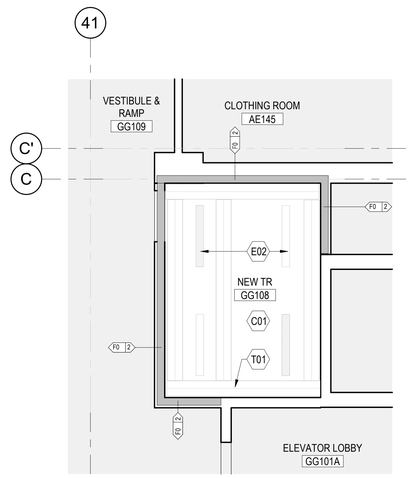
REFLECTED CEILING PLAN

C5 TR GG108 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE122C



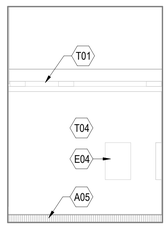
FLOOR PLAN



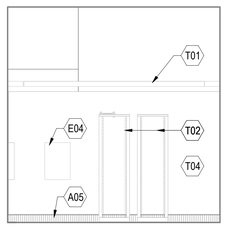
REFLECTED CEILING PLAN

E5 TR GG108 FLOOR PLAN AND RCP

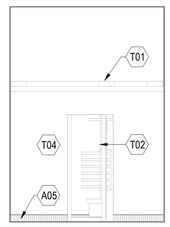
1/4" = 1'-0" REF FROM: 1 / 01-AE122C



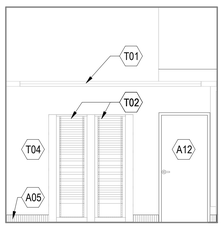
F4 - ELEVATION FACING NORTH



F4E - ELEVATION FACING EAST



F4S - ELEVATION FACING SOUTH



F4W - ELEVATION FACING WEST

F4 TR GG108 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE404

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A04	ALIGN FURRING AND PARTITIONS WITH EXISTING WALL FINISHES.
A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
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- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW No. RA407174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GG108 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE404
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 177 of 797

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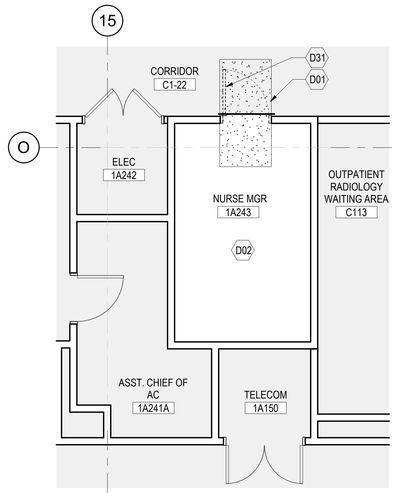
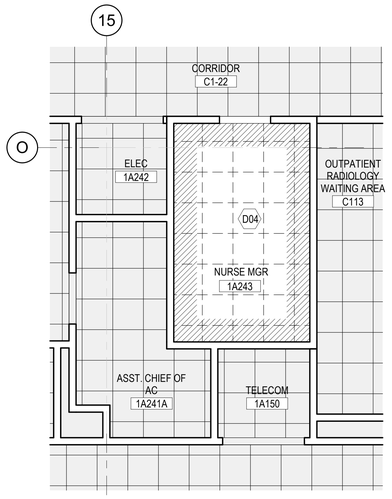
VA FORM 08 - 6231



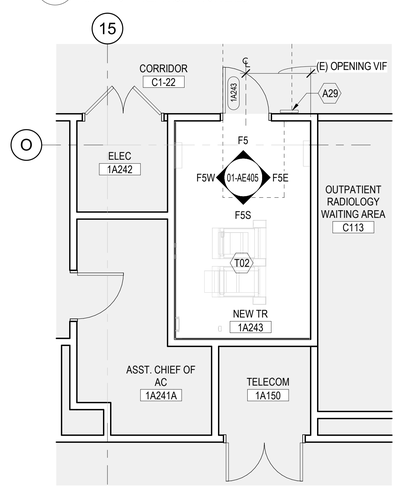
FLOOR PLAN



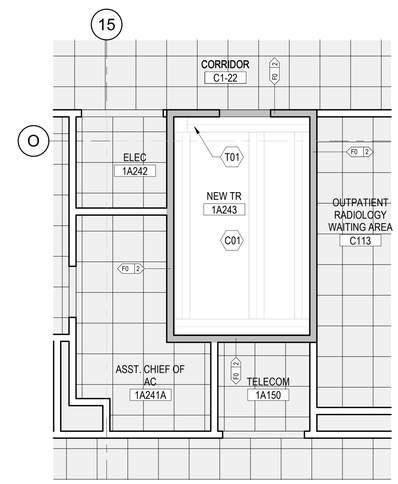
REFLECTED CEILING PLAN

C5 TR 1A243 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE123F



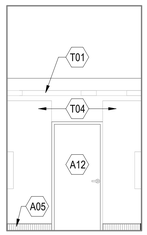
FLOOR PLAN



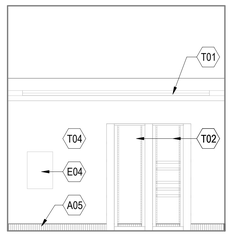
REFLECTED CEILING PLAN

E5 TR 1A243 FLOOR PLAN AND RCP

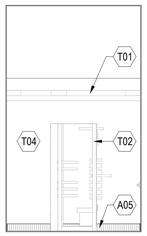
1/4" = 1'-0" REF FROM: 1 / 01-AE123F



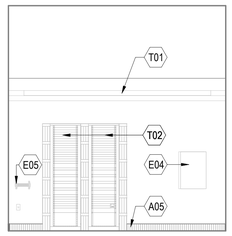
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 1A243 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE405

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA ARCHITECT GENE H. KLOW No. RA007141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 1A243 - ENLARGED FLOOR PLANS, RCPS AND INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE405
			SHEET 178 of 797

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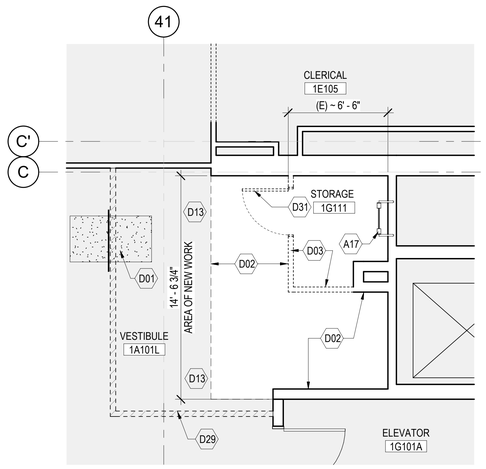
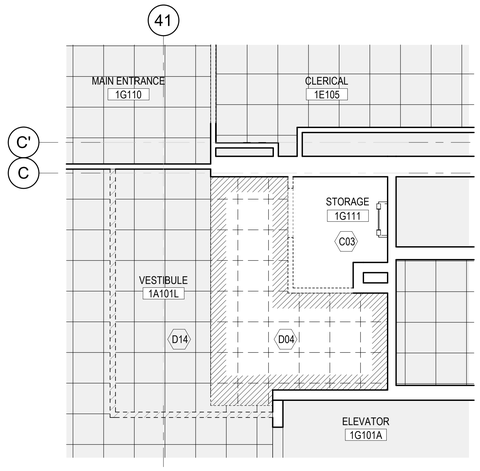


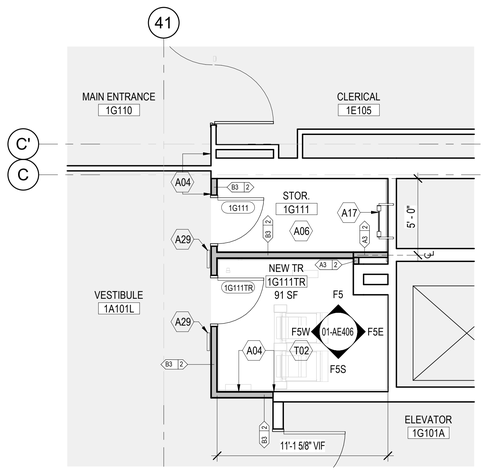
FLOOR PLAN



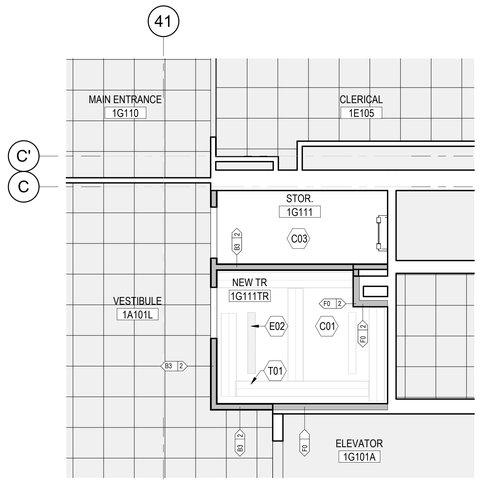
REFLECTED CEILING PLAN

C5 TR 1G111 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE123C



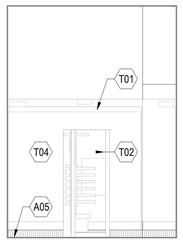
FLOOR PLAN



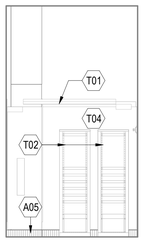
REFLECTED CEILING PLAN

E5 TR 1G111 FLOOR PLAN AND RCP

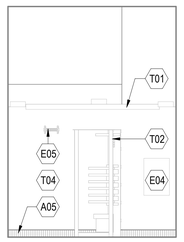
1/4" = 1'-0" REF FROM: 1 / 01-AE123C



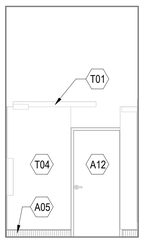
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 1G111 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE406

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A04	ALIGN FURRING AND PARTITIONS WITH EXISTING WALL FINISHES.
A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A06	PATCH FINISH FLOORING TO MATCH EXISTING WHERE WALL WAS REMOVED
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A17	EXISTING LADDER TO ROOF TO REMAIN.
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D03	REMOVE EXISTING WALL IN ITS ENTIRETY WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D14	PATCH/REPAIR CEILING FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D29	TEMPORARY WALL REQUIRED IN THIS LOCATION TO CREATE A DUST BARRIER DURING RENOVATIONS.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA KLOW No. RA015741

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	1G111TR - ENLARGED FLOOR PLANS, RCPS AND INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE406
	SHEET 179 of 797

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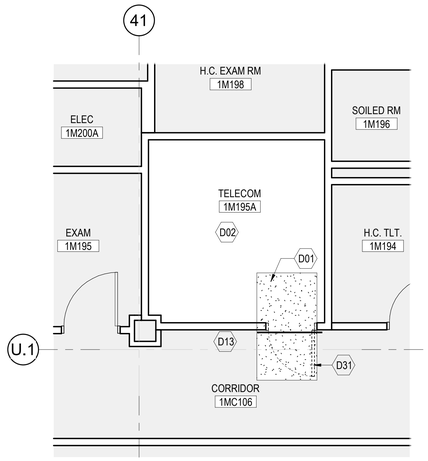
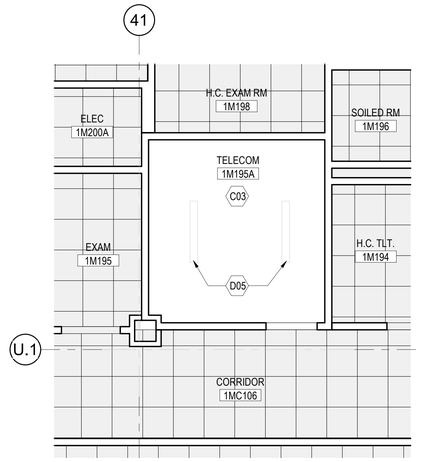


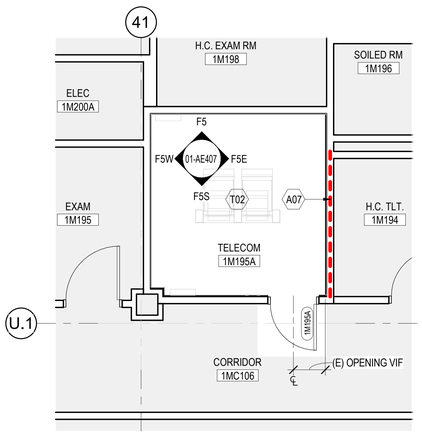
FLOOR PLAN



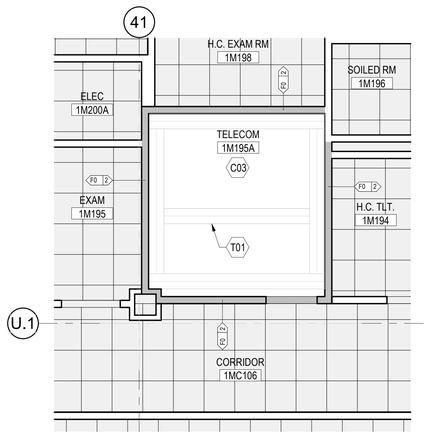
REFLECTED CEILING PLAN

C5 TR 1M195A DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE123J



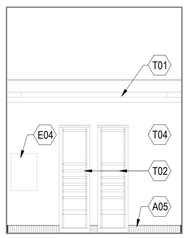
FLOOR PLAN



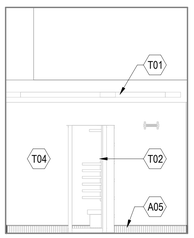
REFLECTED CEILING PLAN

E5 TR 1M195A FLOOR PLAN AND RCP

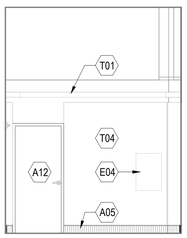
1/4" = 1'-0" REF FROM: 1 / 01-AE123J



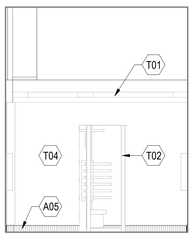
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 1M195A INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE407

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A07	SCHEDULED WATER BARRIER BETWEEN TR AND TOILETS, BREAKROOMS, KITCHENS, WHERE INDICATED. SEE SHEET 00-AE504.
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA017141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 1M195A - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE407
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 180 of 797

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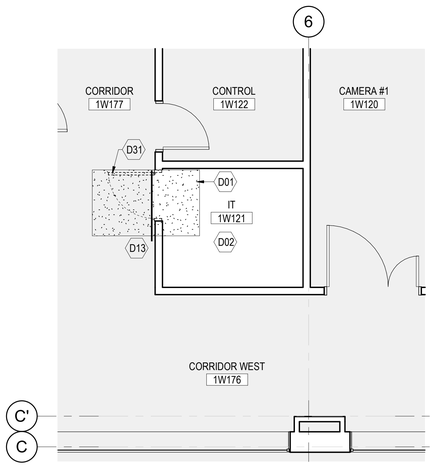
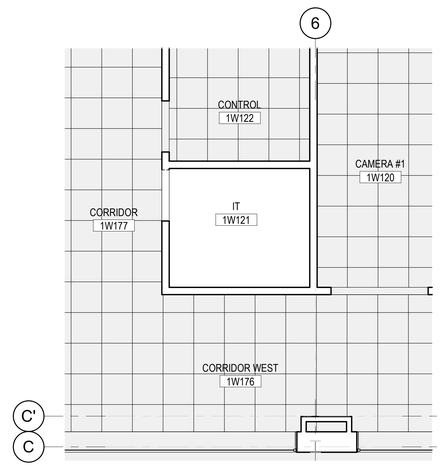


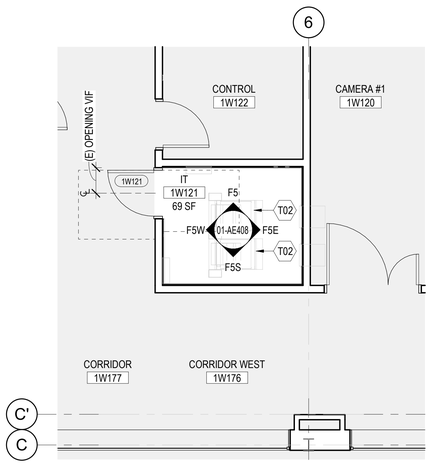
FLOOR PLAN



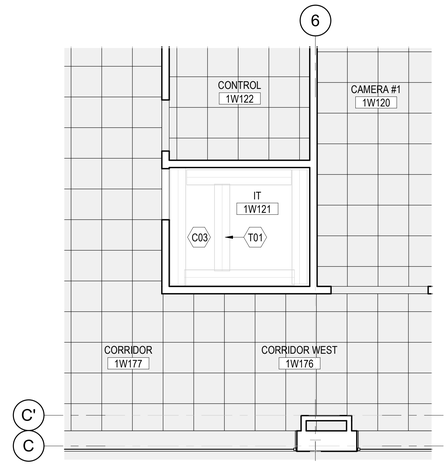
REFLECTED CEILING PLAN

C5 TR 1W121 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE123A



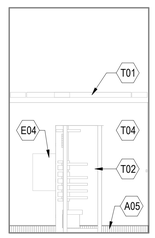
FLOOR PLAN



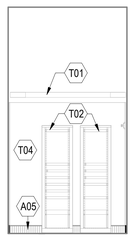
REFLECTED CEILING PLAN

E5 TR 1W121 FLOOR PLAN AND RCP

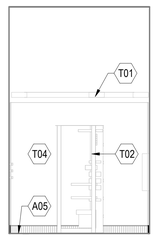
1/4" = 1'-0" REF FROM: 1 / 01-AE123A



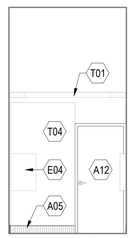
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 1W121 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE408

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA JOHN K. KLOW No. RA014174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 1W121 - ENLARGED FLOOR PLANS, RCPS AND INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE408
			SHEET 181 of 797

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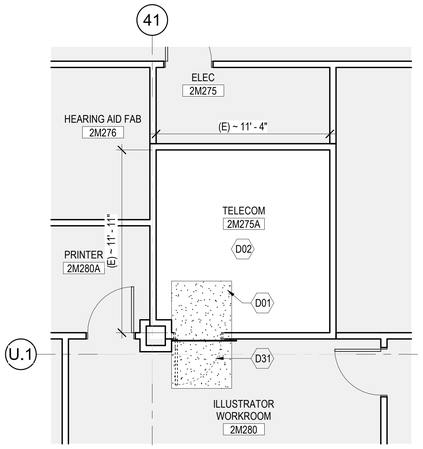
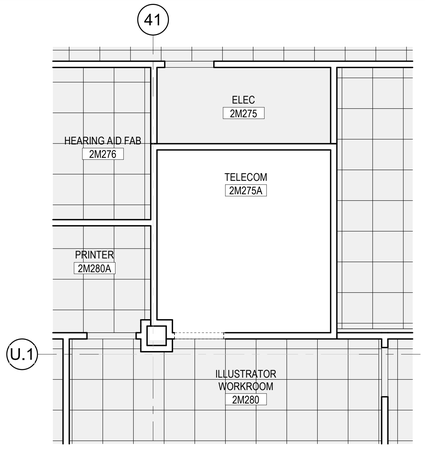


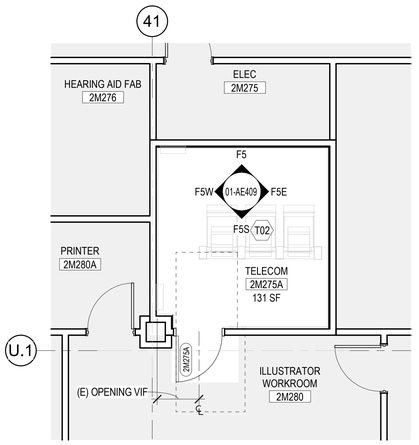
FLOOR PLAN



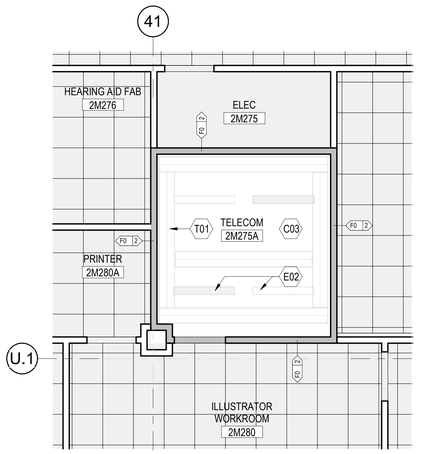
REFLECTED CEILING PLAN

C5 TR 2M275A DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE124J



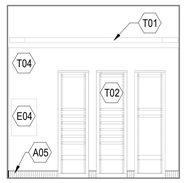
FLOOR PLAN



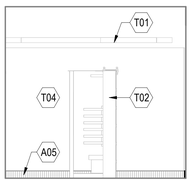
REFLECTED CEILING PLAN

E5 TR 2M275A FLOOR PLAN AND RCP

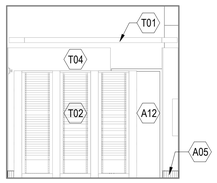
1/4" = 1'-0" REF FROM: 1 / 01-AE124J



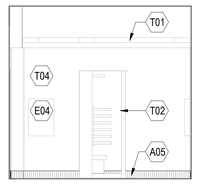
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 2M275A INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE409

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
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12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
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15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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- TEMPORARY CONSTRUCTION BARRIER
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- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE: 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA CHRISTINE KLOW No. RA014744

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 2M275A - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE409
			SHEET 182 of 797

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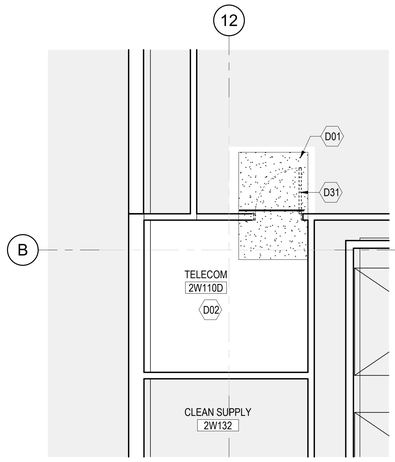
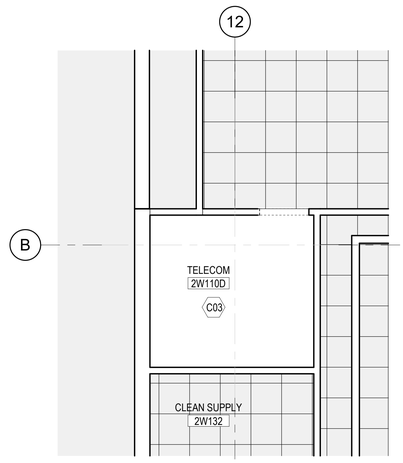


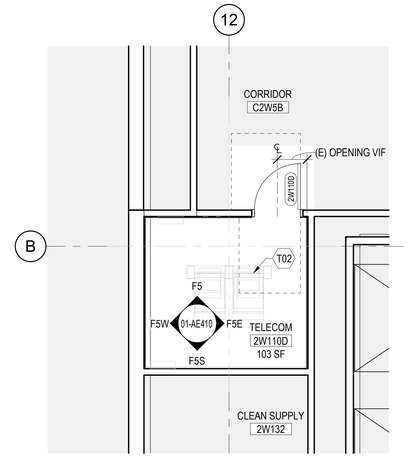
FLOOR PLAN



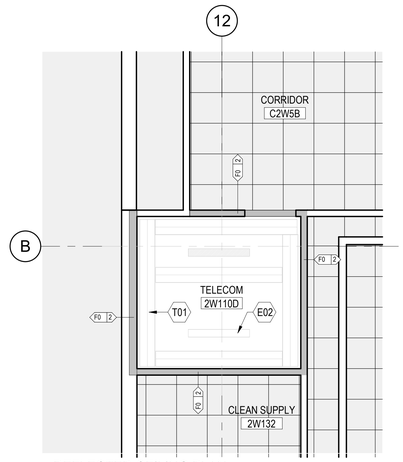
REFLECTED CEILING PLAN

C5 TR 2W110D DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE124A



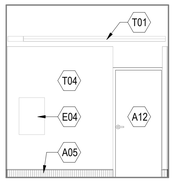
FLOOR PLAN



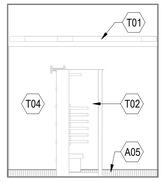
REFLECTED CEILING PLAN

E5 TR 2W110D FLOOR PLAN AND RCP

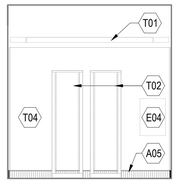
1/4" = 1'-0" REF FROM: 1 / 01-AE124A



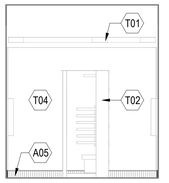
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 2W110D INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE410

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0"
SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title: 2W110D - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE410
			SHEET 183 of 797

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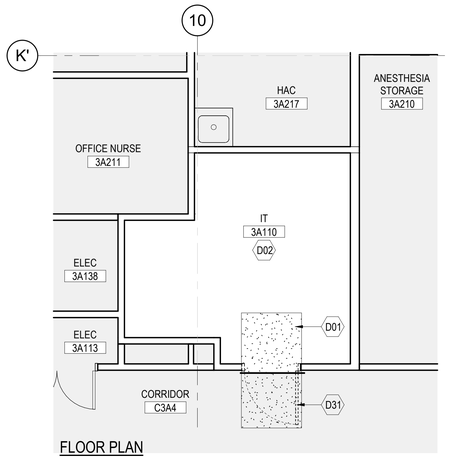
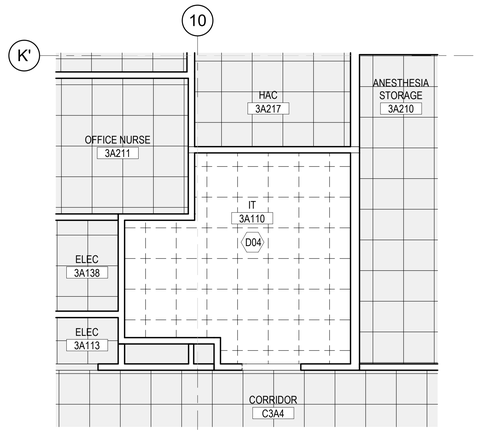


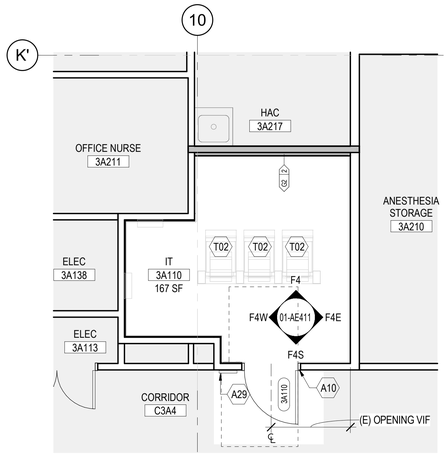
FLOOR PLAN



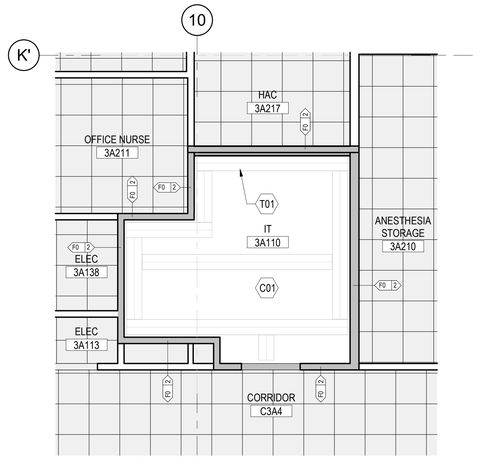
REFLECTED CEILING PLAN

C5 TR 3A110 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE125D



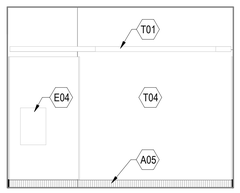
FLOOR PLAN



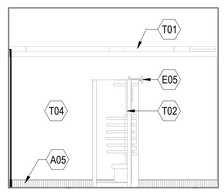
REFLECTED CEILING PLAN

E5 TR 3A110 FLOOR PLAN AND RCP

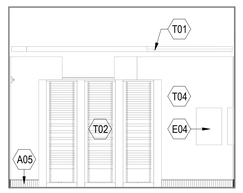
1/4" = 1'-0" REF FROM: 1 / 01-AE125D



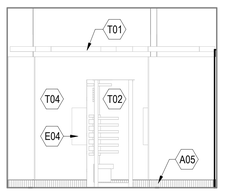
F4 - ELEVATION FACING NORTH



F4E - ELEVATION FACING EAST



F4S - ELEVATION FACING SOUTH



F4W - ELEVATION FACING WEST

F4 TR 3A110 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE411

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
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15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A10	OPENING INFILL.
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
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- TEMPORARY CONSTRUCTION BARRIER
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- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA GLENN H. KLOW No. RA037141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 3A110 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE411 SHEET 184 of 797

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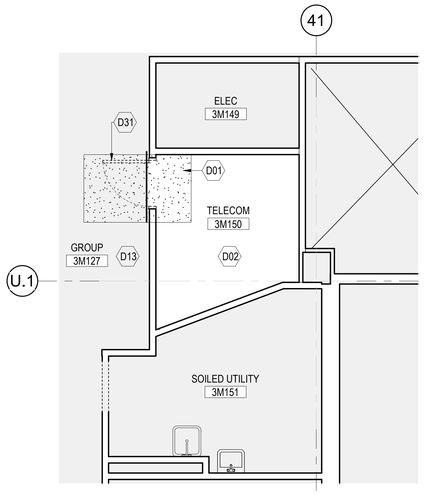
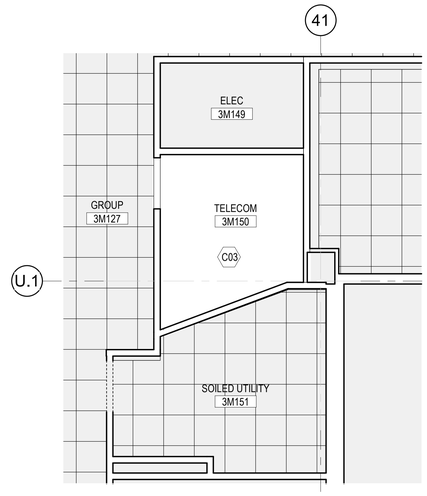


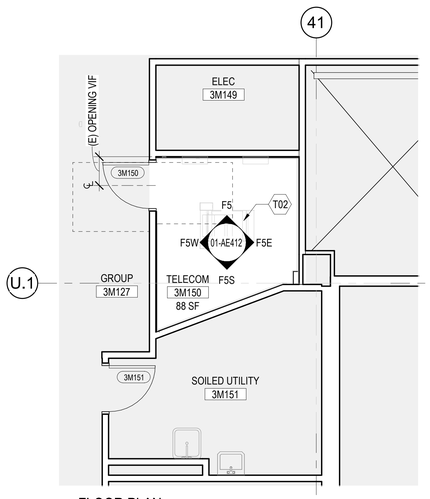
FLOOR PLAN



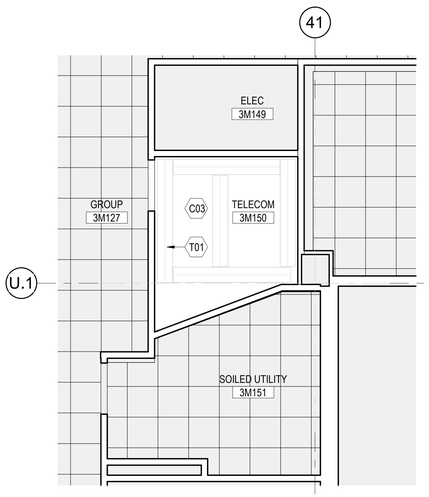
REFLECTED CEILING PLAN

C5 TR 3M150 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE125J



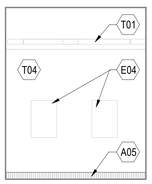
FLOOR PLAN



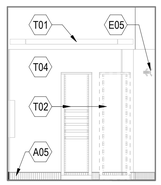
REFLECTED CEILING PLAN

E5 TR 3M150 FLOOR PLAN AND RCP

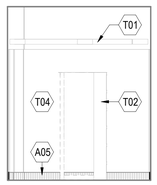
1/4" = 1'-0" REF FROM: 1 / 01-AE125J



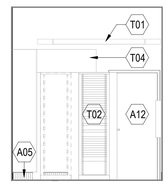
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 3M150 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE412

GENERAL NOTES:

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17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

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PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0"
SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA
CHRISTOPHER H. KLOW No. RA407741

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	3M150 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Project Number	646-22-700
Building Number	1
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Drawing Number	01-AE412
Issue Date	06.13.2025
Checked	
Drawn	
	SHEET 185 of 797

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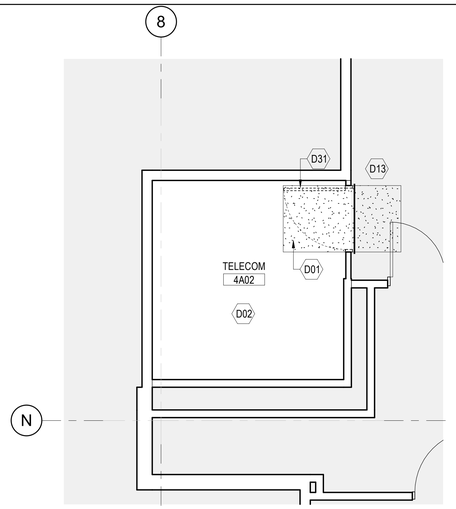
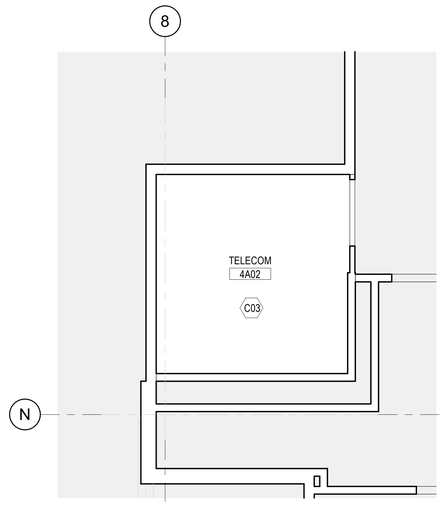


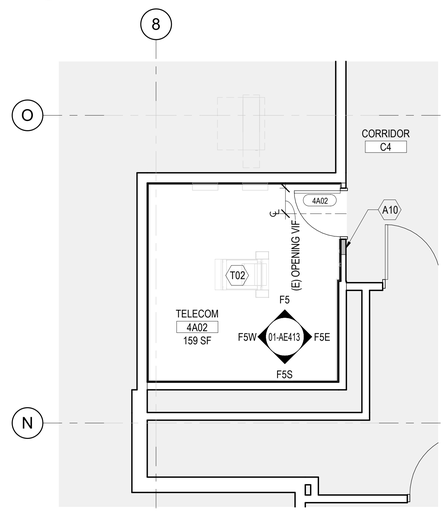
FLOOR PLAN



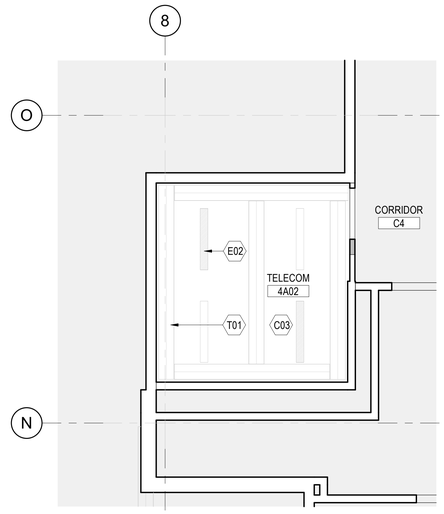
REFLECTED CEILING PLAN

C5 4A02 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE126H



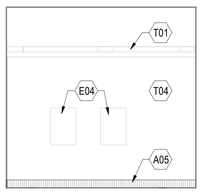
FLOOR PLAN



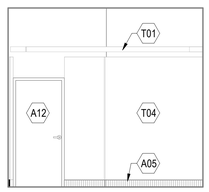
REFLECTED CEILING PLAN

E5 TR 4A02 FLOOR PLAN AND RCP

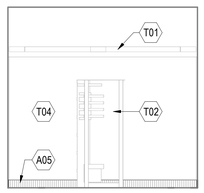
1/4" = 1'-0" REF FROM: 1 / 01-AE126H



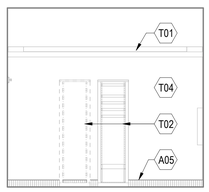
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 4A02 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE413

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A10	OPENING INFILL.
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA014174

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title	4A02 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE413
	SHEET 186 of 797

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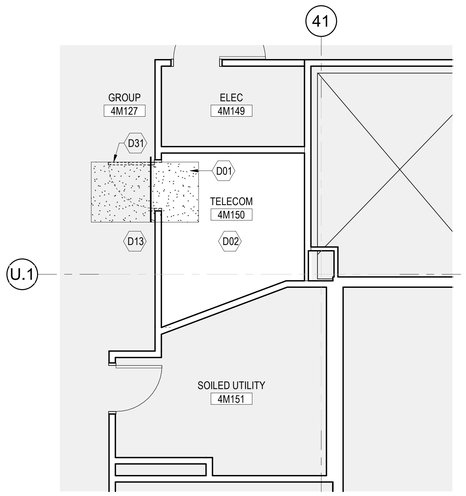
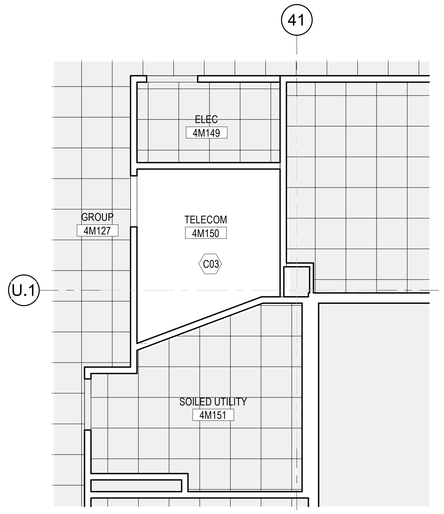


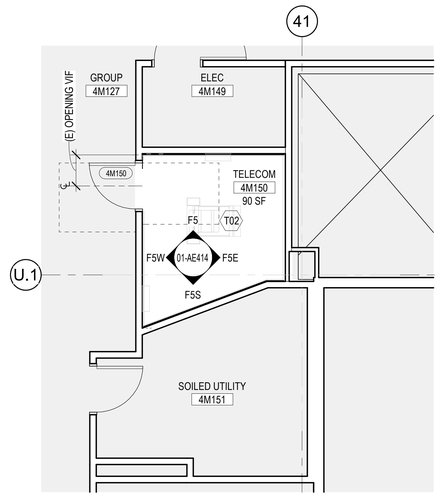
FLOOR PLAN



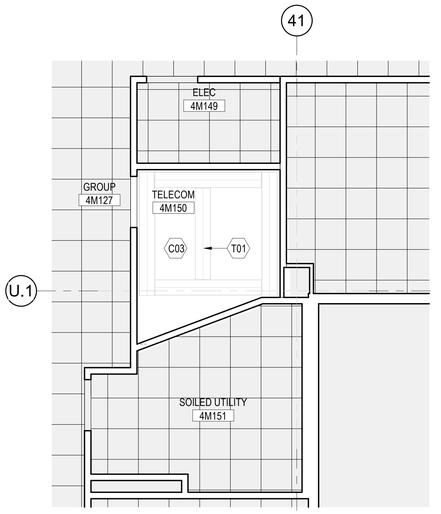
REFLECTED CEILING PLAN

C5 TR 4M150 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE126J



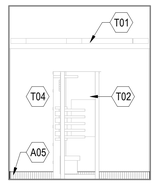
FLOOR PLAN



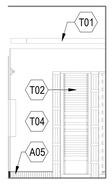
REFLECTED CEILING PLAN

E5 TR 4M150 FLOOR PLAN AND RCP

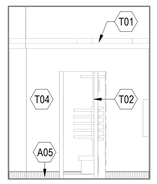
1/4" = 1'-0" REF FROM: 1 / 01-AE126J



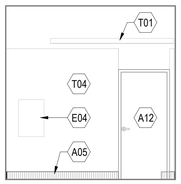
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 4M150 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE414

GENERAL NOTES:

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4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
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6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
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10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
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16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA 1 GREGORY H. KLOW NO. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 4M150 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE414
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 187 of 797

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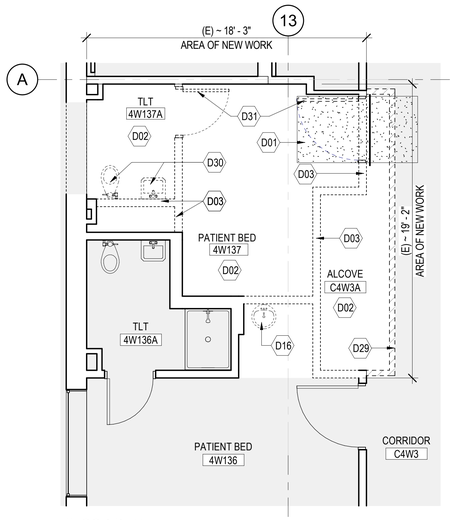
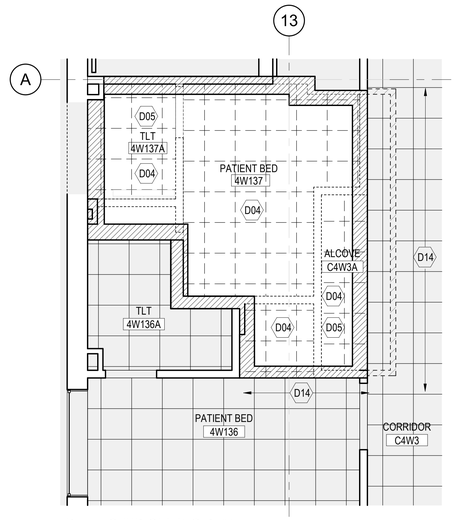


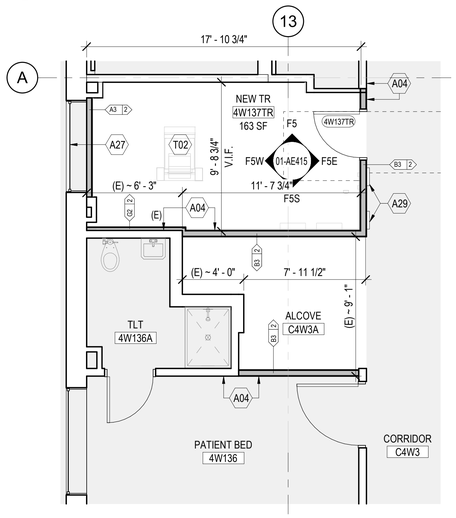
FLOOR PLAN



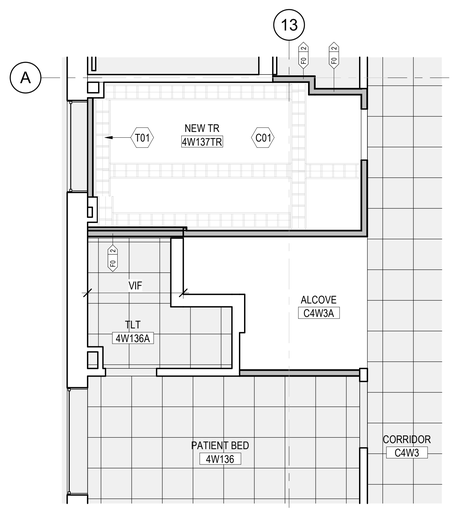
REFLECTED CEILING PLAN

C5 TR 4W137 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE126A-B2



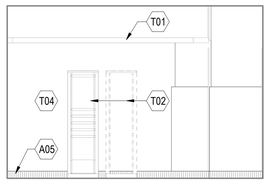
FLOOR PLAN



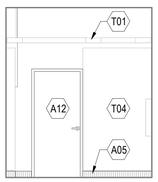
REFLECTED CEILING PLAN

E5 TR 4W137 FLOOR PLAN AND RCP

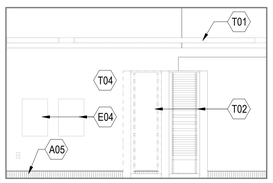
1/4" = 1'-0" REF FROM: 1 / 01-AE126A-B2



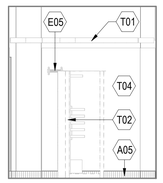
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 4W137 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE415

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A04	ALIGN FURRING AND PARTITIONS WITH EXISTING WALL FINISHES.
A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A27	FILM BACK OF WINDOW PER FACILITY STANDARD.
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D03	REMOVE EXISTING WALL IN ITS ENTIRETY WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D14	PATCH/REPAIR CEILING FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D16	REMOVE (E) RAMP.
D29	TEMPORARY WALL REQUIRED IN THIS LOCATION TO CREATE A DUST BARRIER DURING RENOVATIONS.
D30	REMOVE EXISTING TOILET, SINK AND ASSOCIATED PIPING AND CONNECTIONS. REFER TO PLUMBING DEMOLITION SHEETS.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT
PENNSYLVANIA
GENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 4W137 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE415

SHEET 188 of 797

VA FORM 08 - 6231

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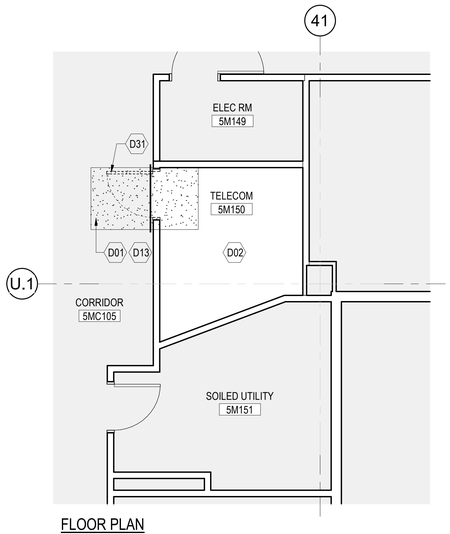
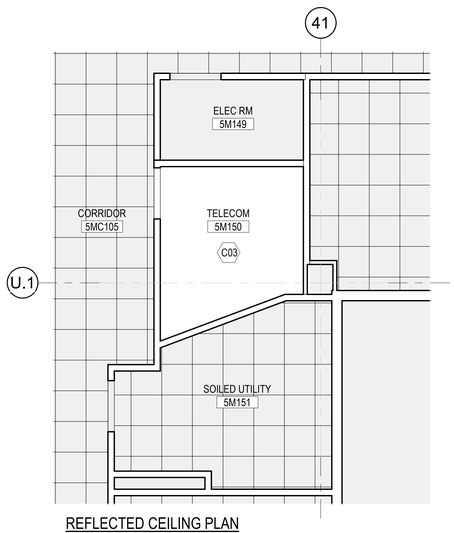


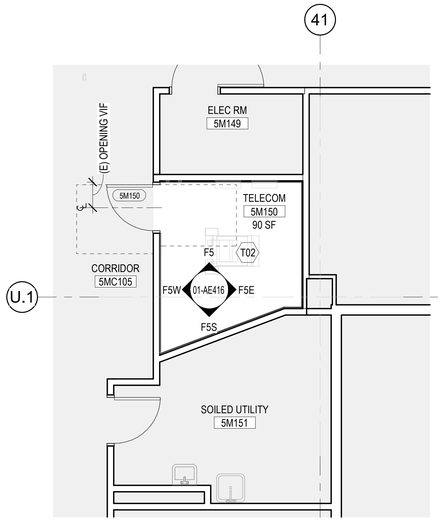
FLOOR PLAN



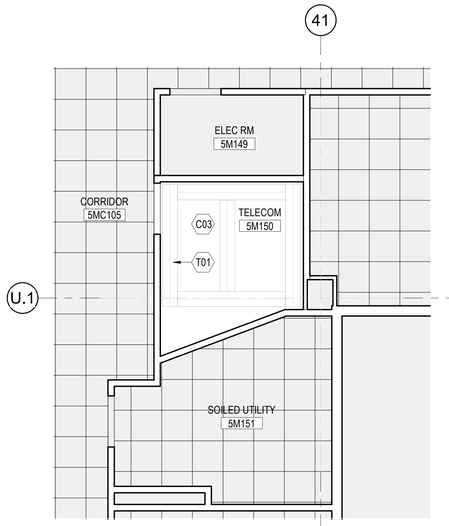
REFLECTED CEILING PLAN

C5 TR 5M150 DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE127J



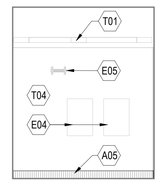
FLOOR PLAN



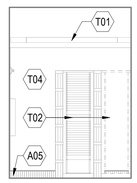
REFLECTED CEILING PLAN

E5 TR 5M150 FLOOR PLAN AND RCP

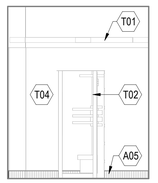
1/4" = 1'-0" REF FROM: 1 / 01-AE127J



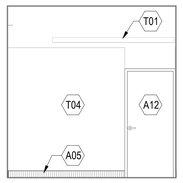
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 5M150 INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE416

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
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Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA
CHRISTINE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	5M150 - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE416
	SHEET 189 of 797

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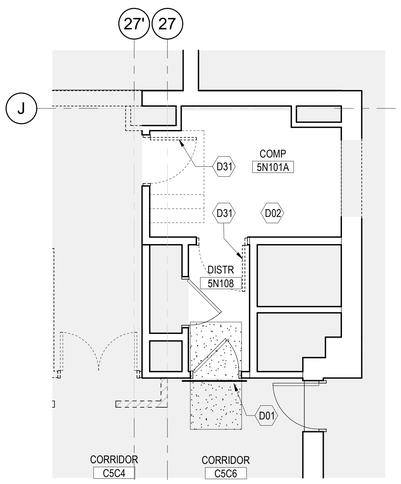
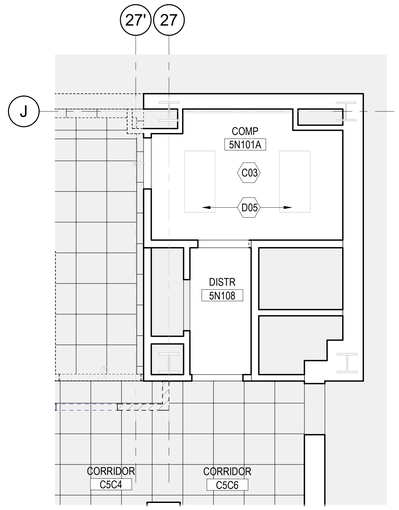


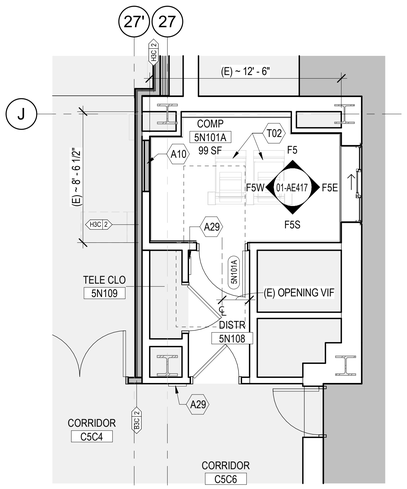
FLOOR PLAN



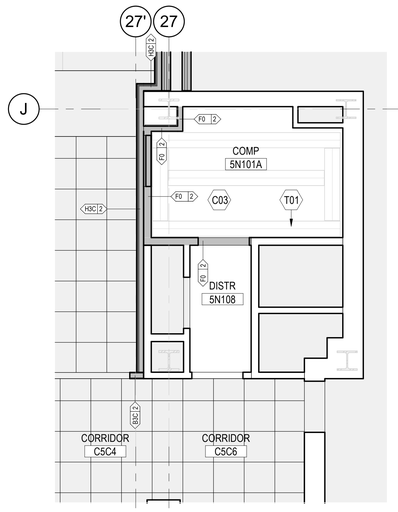
REFLECTED CEILING PLAN

C5 TR 5N101B DEMO FLOOR PLAN AND RCP

1/4" = 1'-0" REF FROM: 1 / 01-AE127B-E



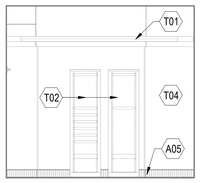
FLOOR PLAN



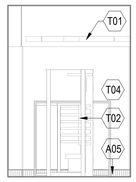
REFLECTED CEILING PLAN

E5 5N101B FLOOR AND RC PLAN

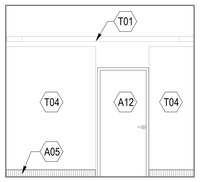
1/4" = 1'-0" REF FROM: 1 / 01-AE127B-E



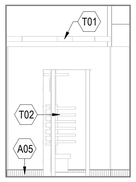
F5 - ELEVATION FACING NORTH



F5E - ELEVATION FACING EAST



F5S - ELEVATION FACING SOUTH



F5W - ELEVATION FACING WEST

F5 TR 5N101B INTERIOR ELEVATIONS

1/4" = 1'-0" REF FROM: E5 / 01-AE417

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A10	OPENING INFILL.
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C03	OPEN TO STRUCTURE ABOVE. (EXISTING)
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D02	REMOVE EXISTING FINISH FLOOR MATERIAL WHERE INDICATED.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
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215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA CHRISTINE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	5N101A - ENLARGED FLOOR PLANS, RCPS & INTERIOR ELEVATIONS
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE417
	SHEET 190 of 797

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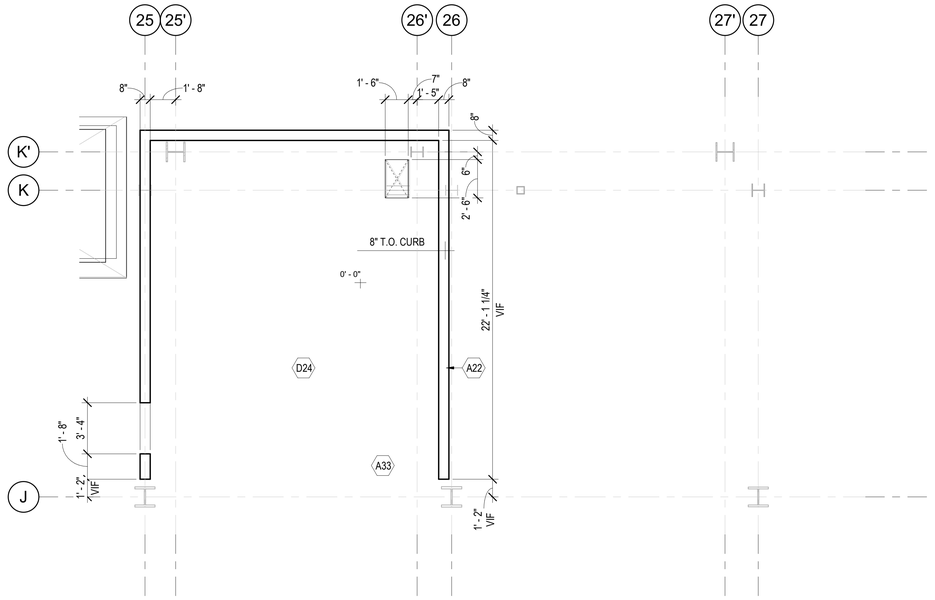
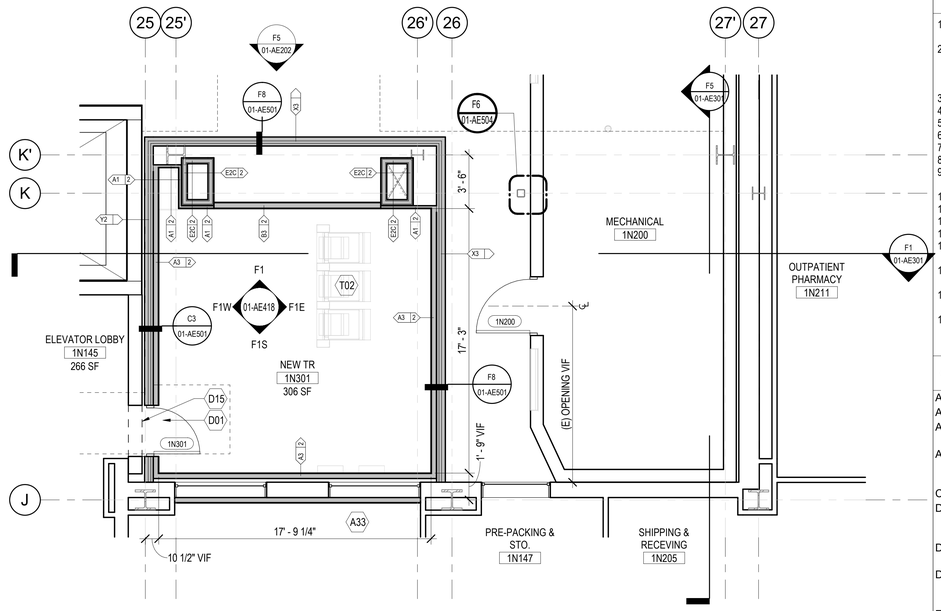


C1 1ST FLOOR SLAB PLAN - NORTH TOWER

1/4" = 1'-0"

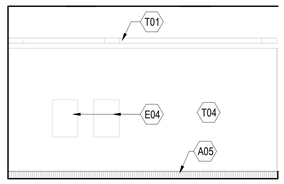


C5 1ST FLOOR PLAN - NORTH TOWER

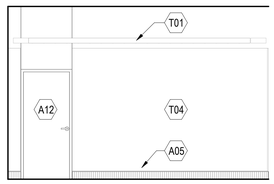
1/4" = 1'-0" REF FROM: 1 / 01-AE123A

F1 - ELEVATION FACING NORTH

F1E - ELEVATION FACING EAST



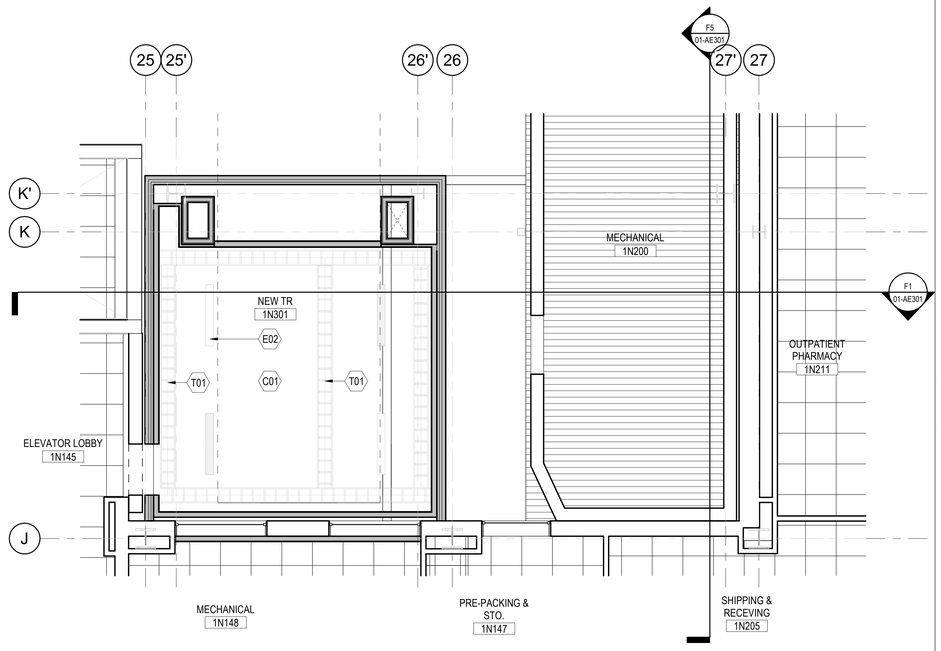
F1S - ELEVATION FACING SOUTH



F1W - ELEVATION FACING WEST

F1 TYPICAL TOWER ELEVATIONS

1/4" = 1'-0" REF FROM: C5 / 01-AE418



F5 1ST FLOOR RCP - NORTH TOWER

1/4" = 1'-0"

GENERAL NOTES:

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4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
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7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
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14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A22	(N) CONCRETE CURB, SEE STRUC FOR DETAILS. REPAIR AND FLASH IN ADJACENT (E) ROOF ASSEMBLY AND PREP FOR SCHEDULED (N) ENCLOSURE.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
C01	OPEN TO STRUCTURE ABOVE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D15	REMOVE PORTION OF EXISTING WALL TO FACILITATE INSTALLATION OF NEW DOOR.
D24	REMOVE EXISTING ROOFING ASSEMBLY TO (E) SLAB. INSPECT (E) SLAB FOR DAMAGE AND PATCH, REPAIR, LEVEL, AND PREP FOR (N) INTERIOR SCHEDULED FINISHES.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
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PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
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- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA STEVE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 1N301 - ENLARGED FLOOR PLANS & RCP - 1ST FLOOR NORTH TOWER	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE418
			SHEET 191 of 797

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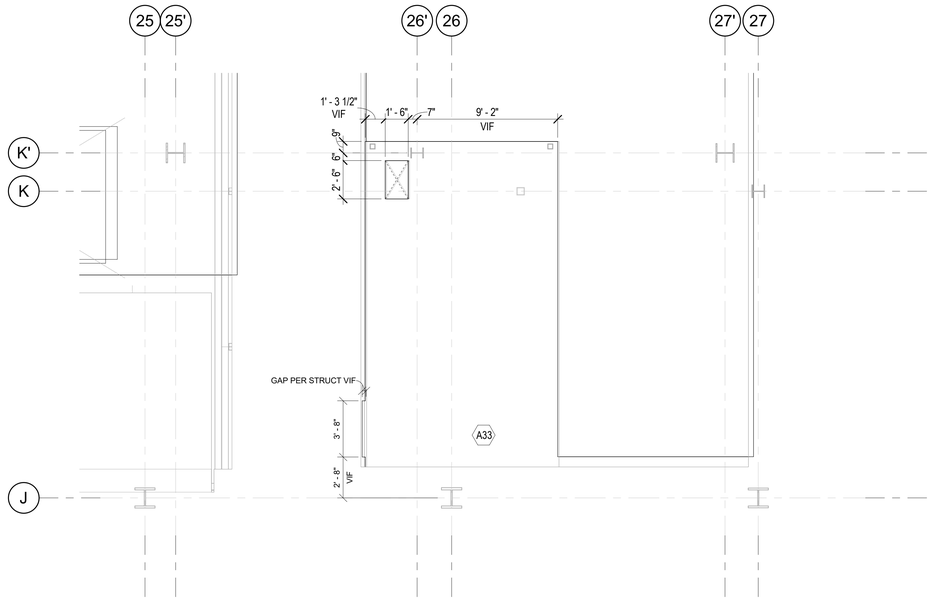
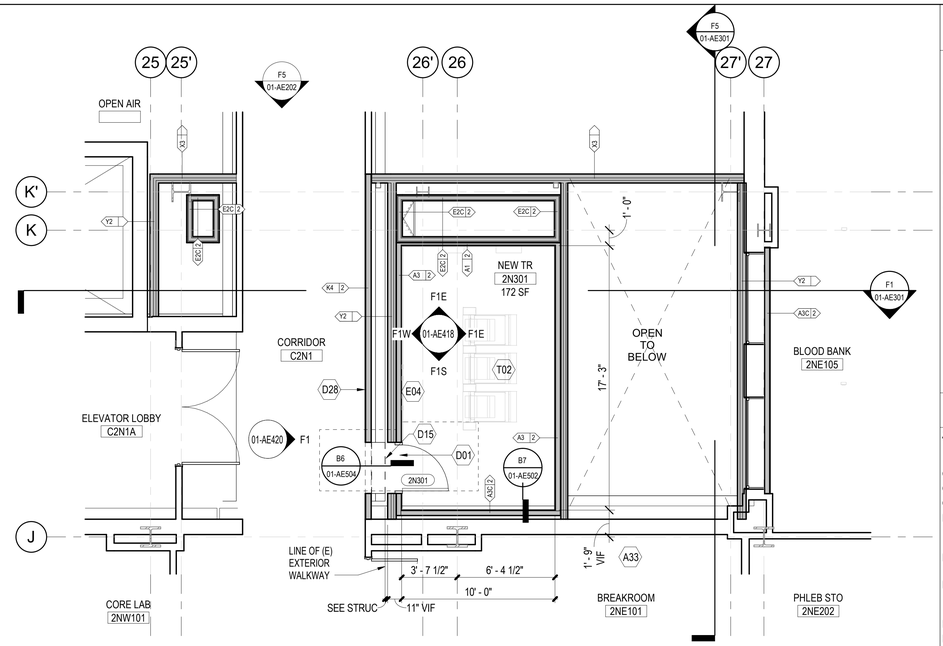


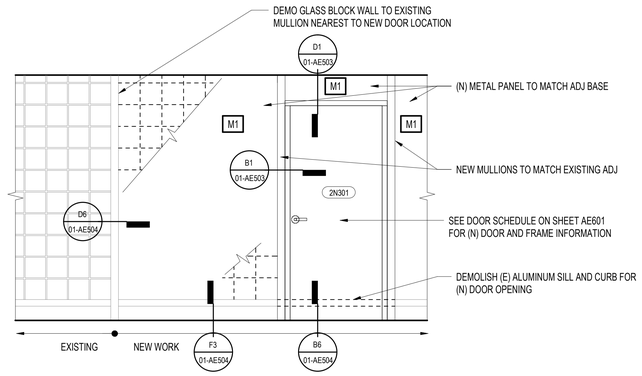
C1 2ND FLOOR SLAB PLAN - NORTH TOWER

1/4" = 1'-0"



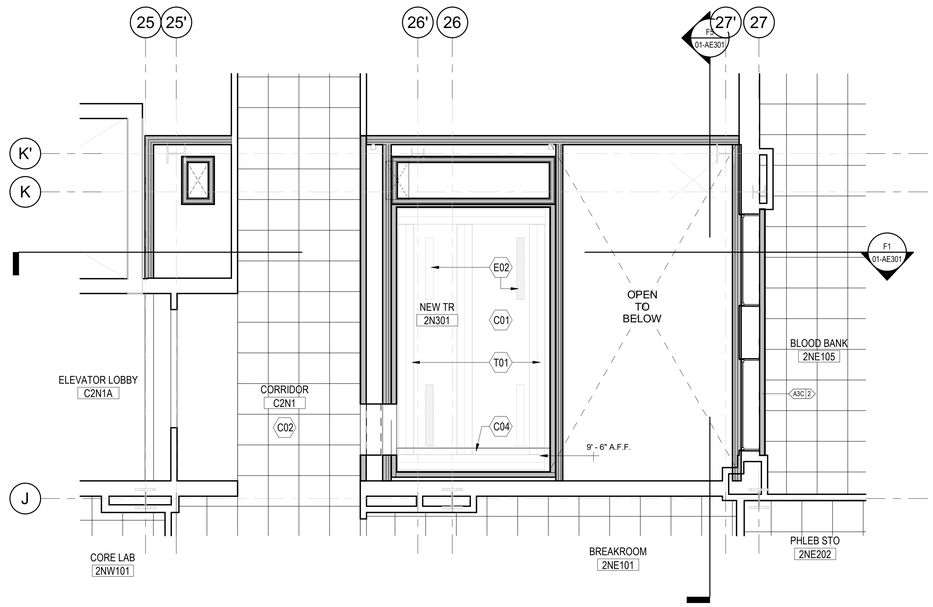
C5 2ND FLOOR PLAN - NORTH TOWER

1/4" = 1'-0" REF FROM: 1 / 01-AE124A



F1 ELEVATION AT GLASS BLOCK WALL INFILL

1/2" = 1'-0" REF FROM: C5 / 01-AE420



F5 2ND FLOOR RCP - NORTH TOWER

1/4" = 1'-0"

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17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

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C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
C04	SCHEDULED (N) CEILING, SEE FINISH SCHEDULE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D15	REMOVE PORTION OF EXISTING WALL TO FACILITATE INSTALLATION OF NEW DOOR.
D28	REMOVE EXISTING GLASS BLOCK WALL BETWEEN PROPOSED TR DOOR LOCATION AND NEAREST EXISTING MULLION. REPLACE DEMOLISHED PORTION OF WALL WITH PROPOSED WALL TYPE AS NOTED.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
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- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
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- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

1/2" = 1'-0" SCALE 1 0 1 2 3 4 5 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA ERIC H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	2N301 - ENLARGED FLOOR PLANS & RCP - 2ND FLOOR NORTH TOWER
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE420
	SHEET 192 of 797

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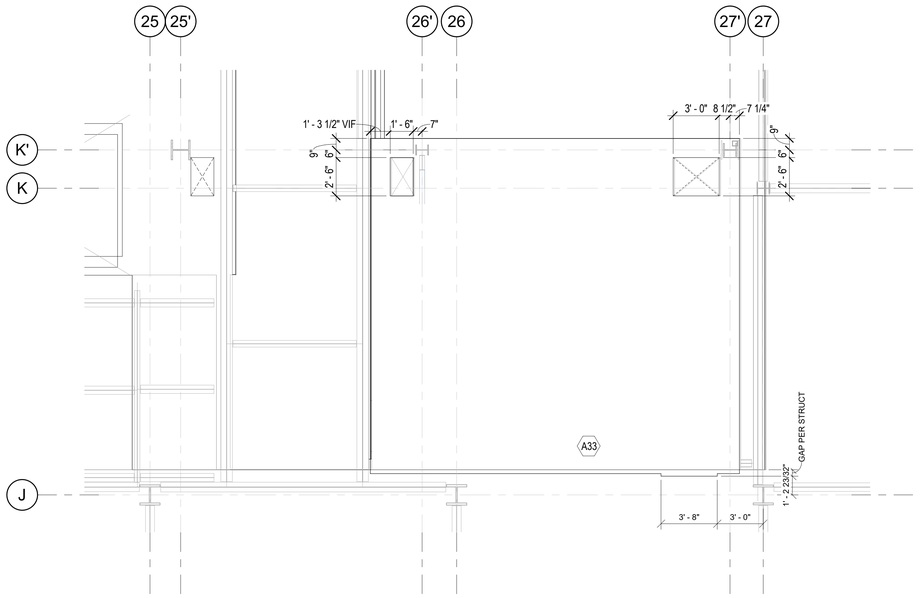
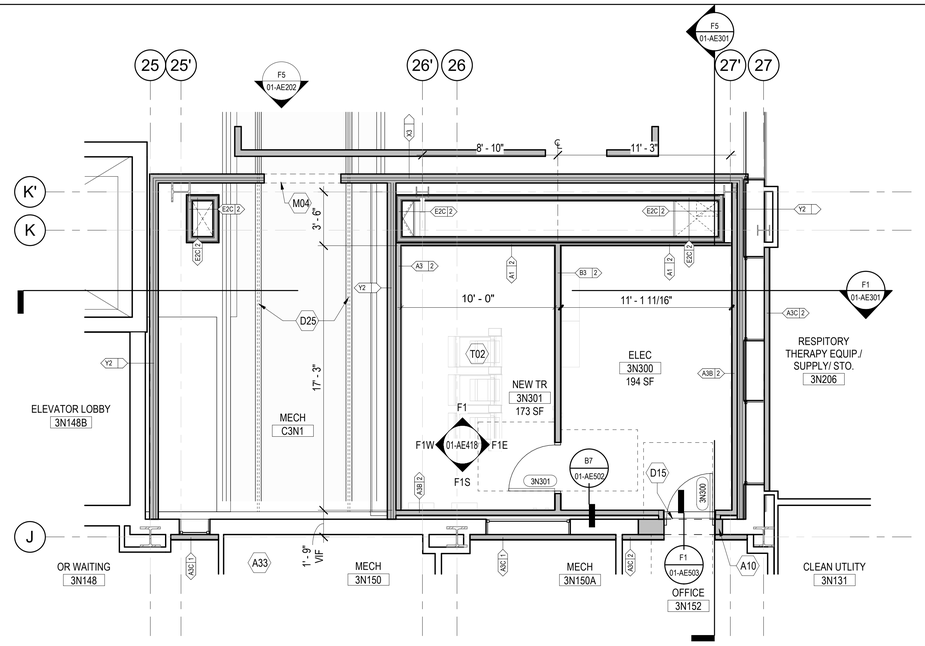


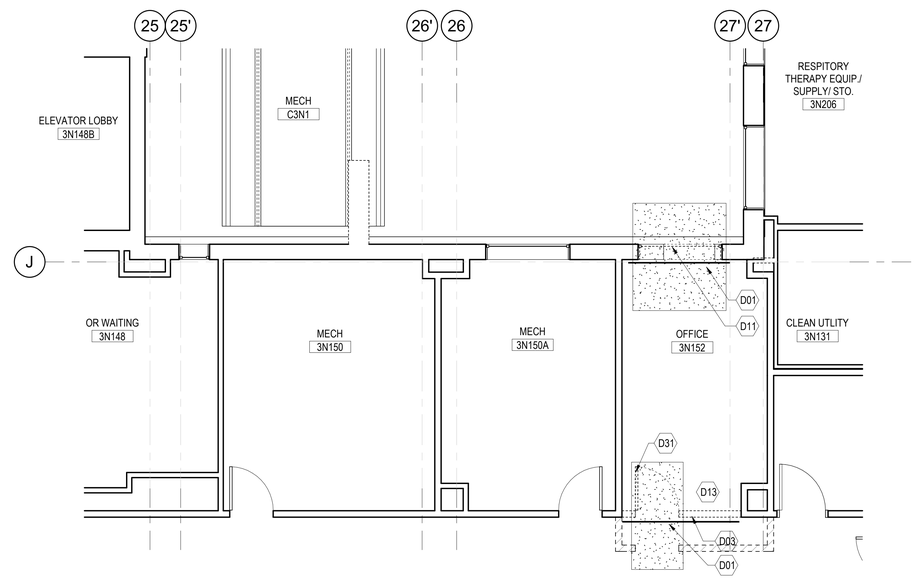
C1 3RD FLOOR SLAB PLAN - NORTH TOWER

1/4" = 1'-0"



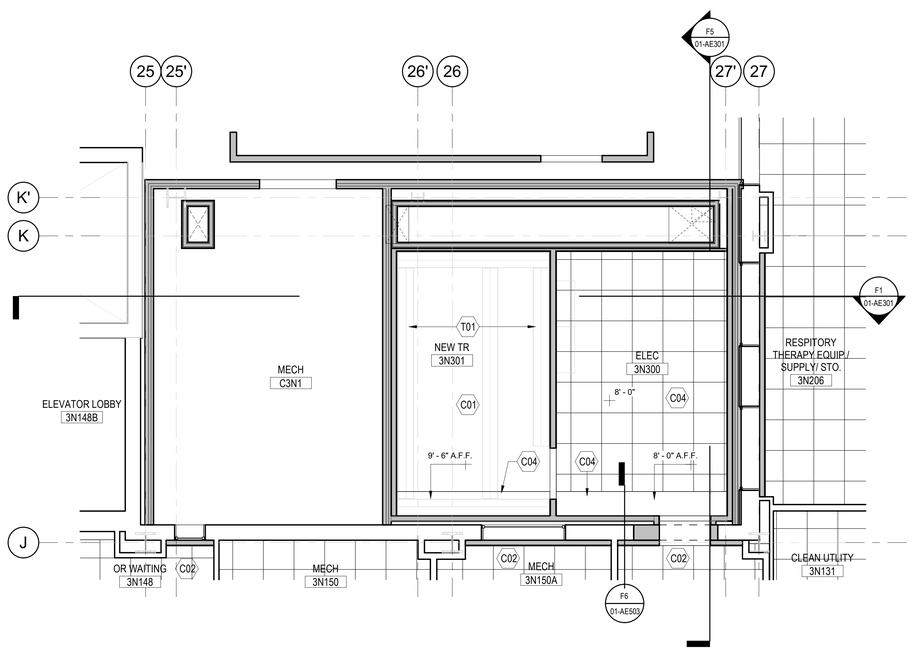
C5 3RD FLOOR PLAN - NORTH TOWER

1/4" = 1'-0" REF FROM: 1 / 01-AE125A



F1 3RD FLOOR PLAN - NORTH TOWER DEMO PLAN

1/4" = 1'-0"



F5 3RD FLOOR RCP - NORTH TOWER

1/4" = 1'-0"

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SHEET NOTES:

A10	OPENING INFILL.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
C04	SCHEDULED (N) CEILING, SEE FINISH SCHEDULE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D03	REMOVE EXISTING WALL IN ITS ENTIRETY WHERE INDICATED.
D11	REMOVE EXISTING WINDOW ASSEMBLY. ASBETOS MAY BE PRESENT. REFERENCE REPORT AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D13	PATCH/REPAIR FLOOR FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D15	REMOVE PORTION OF EXISTING WALL TO FACILITATE INSTALLATION OF NEW DOOR.
D25	REMOVE EXISTING GUARDRAIL TO EXTERIOR OF (N) EXTERIOR ASSEMBLY. INSTALL NEW VERTICAL AND POST BASE AS REQUIRED TO PROVIDE NEW SUPPORT. FINISH AND MATERIAL TO MATCH (E) GUARDRAIL.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE, PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.
M04	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK EQUIPMENT, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA CARL H. KLOW No. RA007174

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 3N301 - ENLARGED FLOOR PLANS & RCP - 3RD FLOOR NORTH TOWER	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE421
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 193 of 797

Autodesk Docs://University Drive VAMC EHRM_V25/646-22-700.01_A.PIT EHRM.rvt
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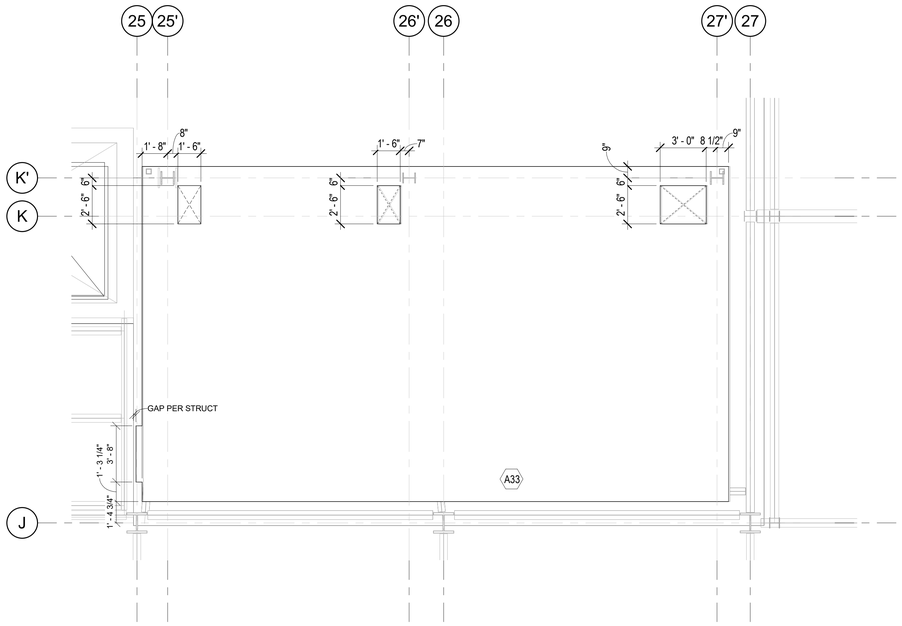

C1 4TH FLOOR SLAB PLAN - NORTH TOWER
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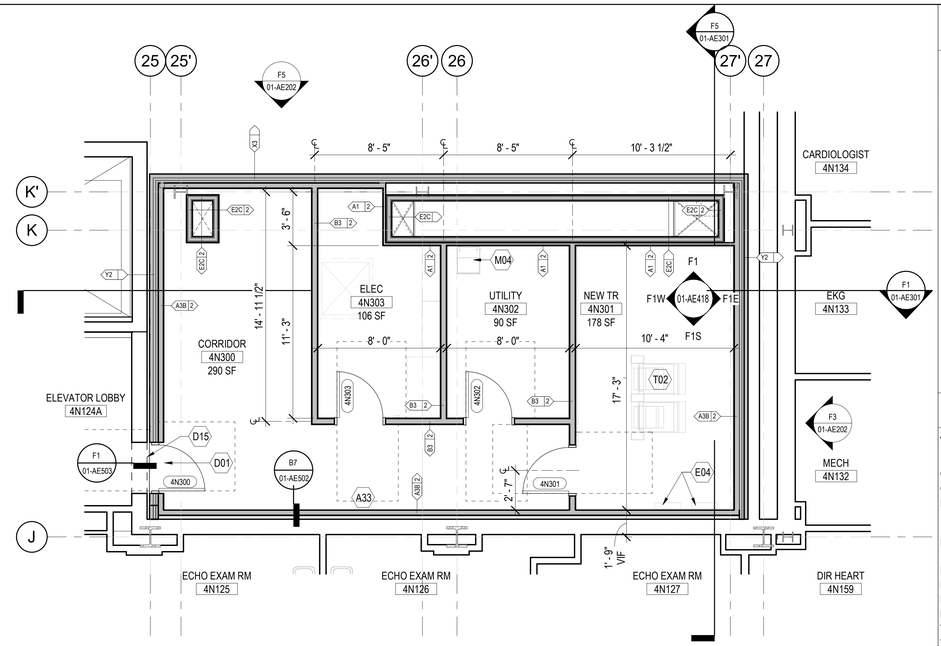
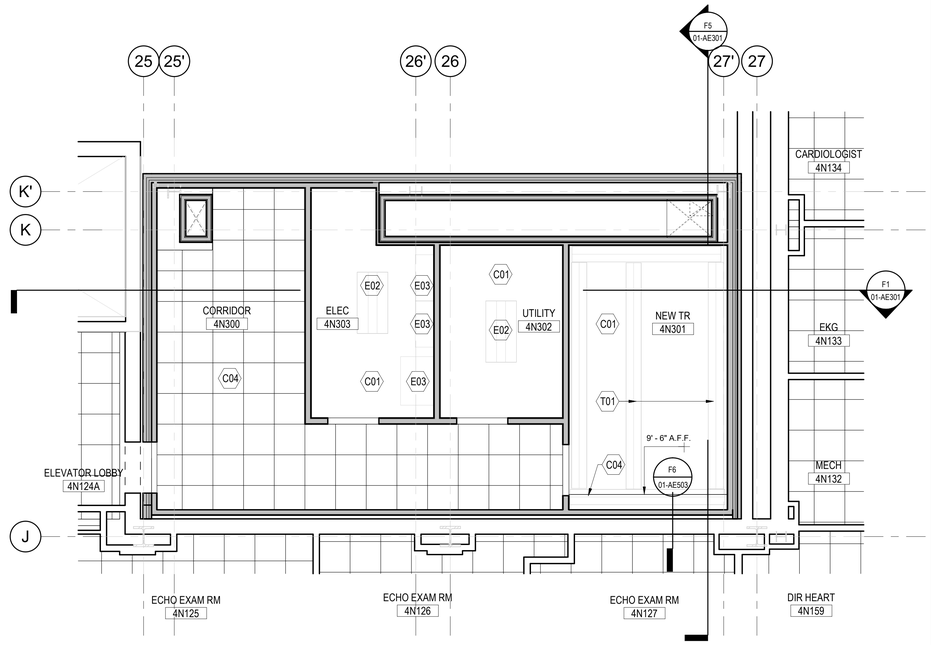


C5 4TH FLOOR PLAN - NORTH TOWER
1/4" = 1'-0" REF FROM: 1 / 01-AE126A-B2



F5 4TH FLOOR RCP - NORTH TOWER
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C04	SCHEDULED (N) CEILING, SEE FINISH SCHEDULE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D15	REMOVE PORTION OF EXISTING WALL TO FACILITATE INSTALLATION OF NEW DOOR.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E03	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
M04	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA KRISTEN H. KLOW No. RA015411

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	4N301 - ENLARGED FLOOR PLANS & RCP - 4TH FLOOR NORTH TOWER
Phase	FINAL BID DOCUMENTS
Approved:	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE422
	SHEET 194 of 797

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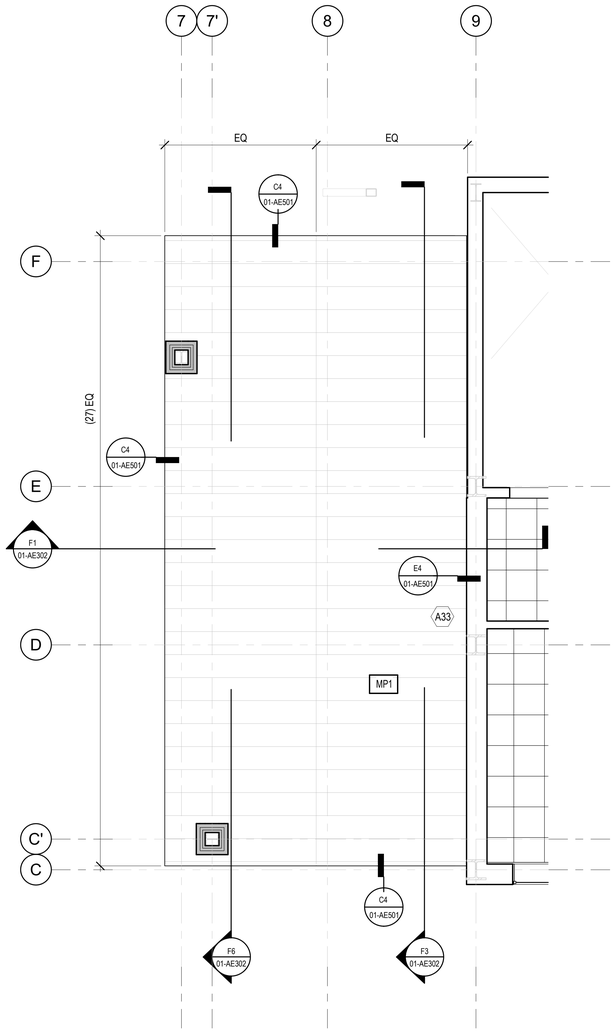
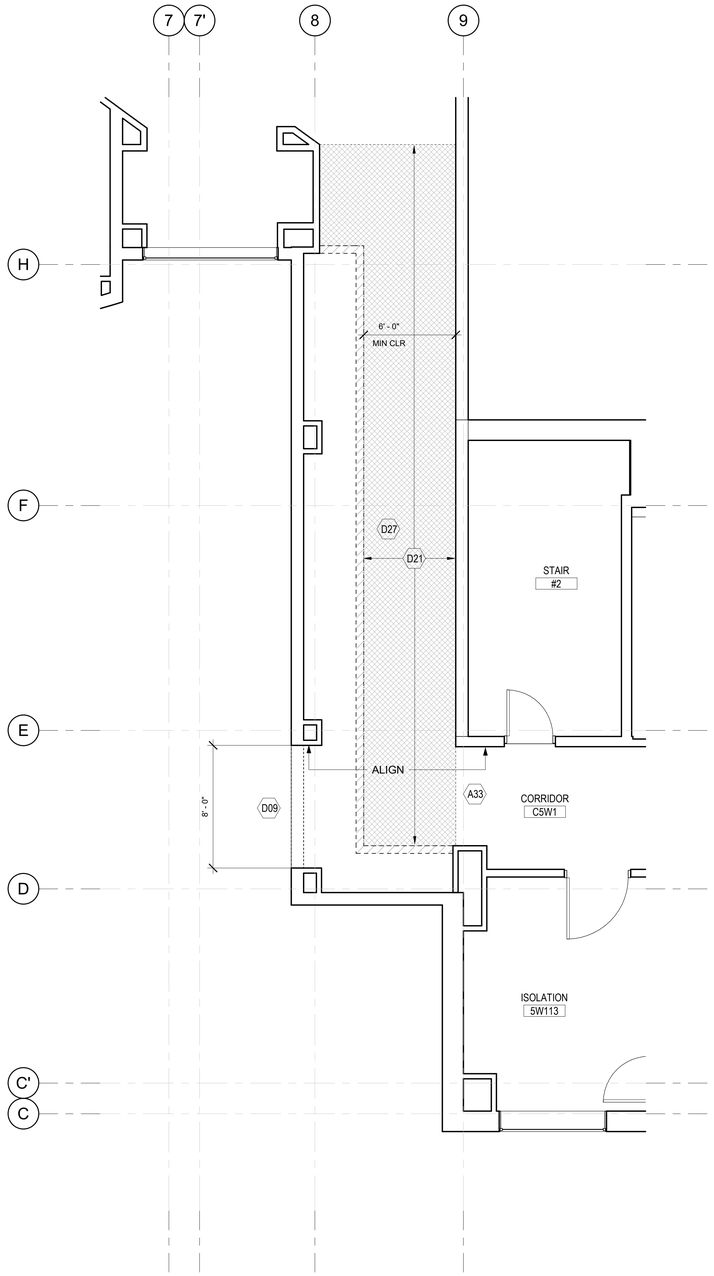


F1 3TH FLOOR RCP -WEST TOWER
1/4" = 1'-0"



F5 5TH FLOOR PLAN - WEST TOWER
1/4" = 1'-0"

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
D09	REMOVE EXISTING EXTERIOR WALL ASSEMBLY WHERE INDICATED. CAP, FLASH, AND SEAL TO MAINTAIN (E) ENCLOSURE INTEGRITY.
D21	TEMPORARY STRUCTURAL ROOF AND EXTERIOR GRADE ENCLOSURE DURING CONTRUCTION.
D27	MAINTAIN AND RE-ROUTE EXISTING FLS, ENVIRONMENTAL, AND SECURITY SYSTEMS DURING CONSTRUCTION. FOLLOW AND COORDINATE FACILITY SAFETY AND OPERATIONAL REQUIREMENTS DURING CONSTRUCTION.

DEMOLITION LEGEND

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PARTITION LEGEND

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- NEW PARTITION
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- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA
GENE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	5W200 - ENLARGED DEMO & SEQUENCING PLANS - 5TH FLOOR WEST
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE423.1
	SHEET 195 of 797

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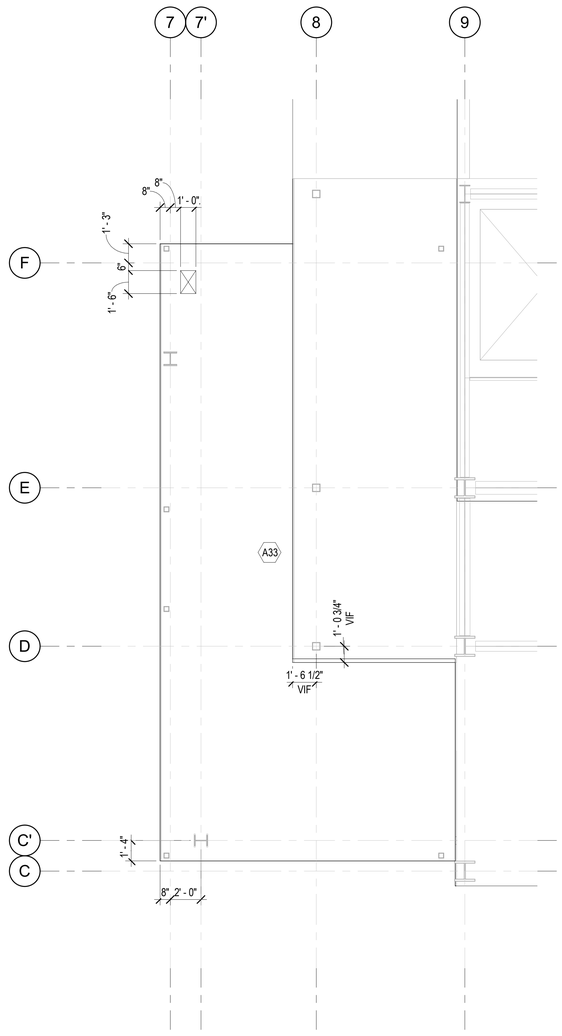
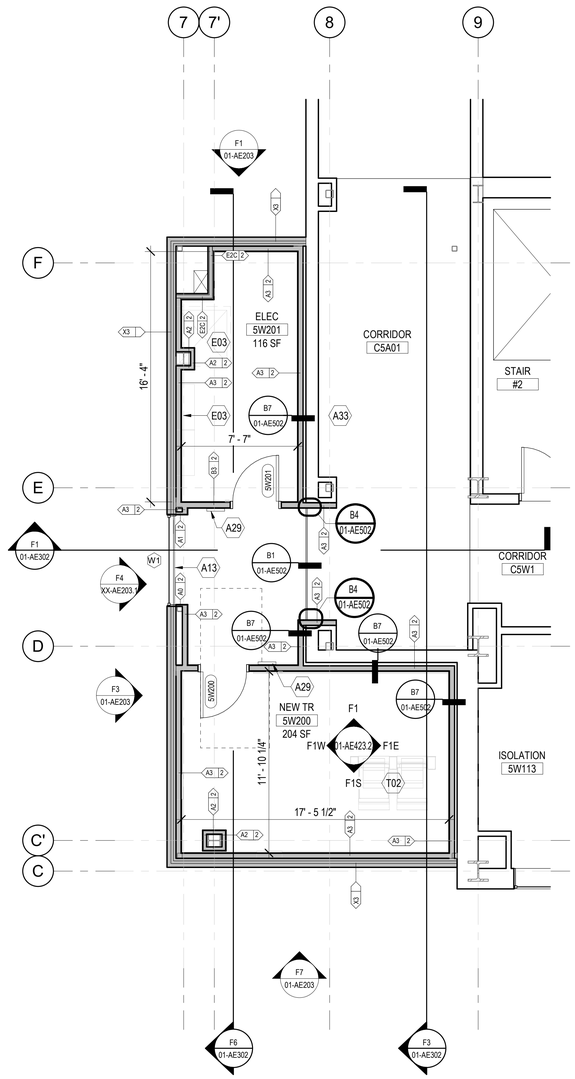
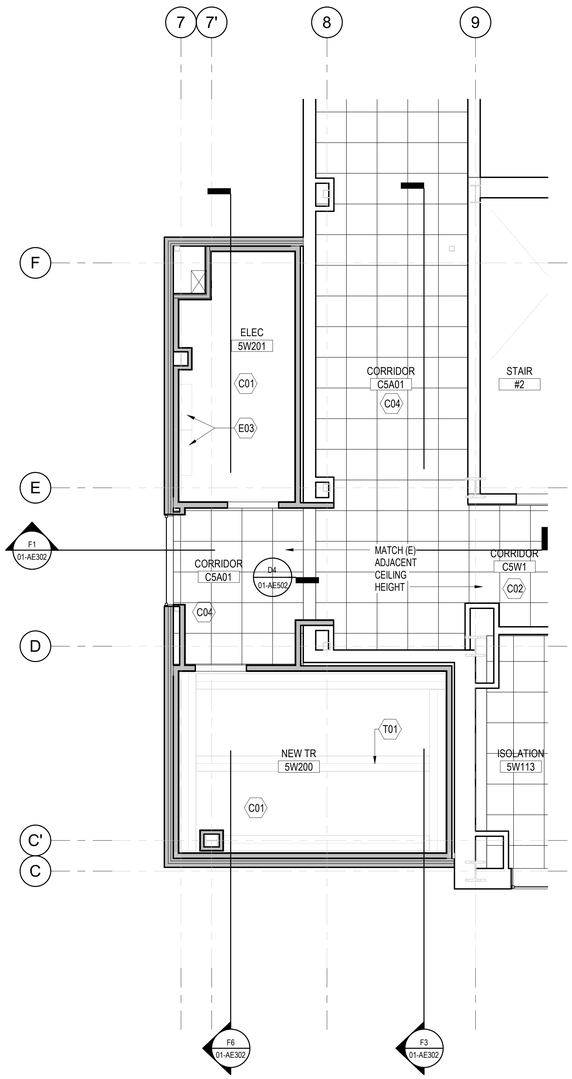


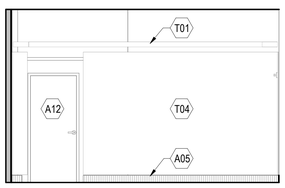
E1 5TH FLOOR SLAB PLAN - WEST TOWER
1/4" = 1'-0"



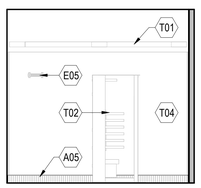
E4 5TH FLOOR PLAN - WEST TOWER
1/4" = 1'-0" REF FROM: 1 / 01-AE127A-B2



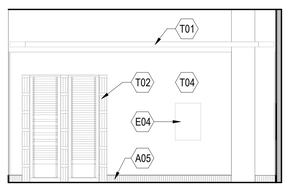
E6 5TH FLOOR RCP - WEST TOWER
1/4" = 1'-0"



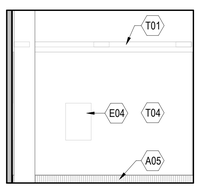
F1 - ELEVATION FACING NORTH



F1E - ELEVATION FACING EAST



F1S - ELEVATION FACING SOUTH



F1W - ELEVATION FACING WEST

F1 TYPICAL WEST TOWER ELEVATIONS
1/4" = 1'-0" REF FROM: E4 / 01-AE423.2

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17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A05	BASE TRIM AS SCHEDULED, REFER TO SHEET 01-AE602
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A13	ALIGN (N) WINDOW CENTERLINE WITH (E) WINDOW AT EAST (E) FACADE
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
C04	SCHEDULED (N) CEILING, SEE FINISH SCHEDULE.
E03	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
E05	FEEDER BUSWAY, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS
T04	TELEPHONE/DATA TERMINAL BACKBOARDS, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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REGISTERED ARCHITECT PENNSYLVANIA CHRISTINE H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 5W200 - ENLARGED FLOOR PLANS & RCP - 5TH FLOOR WEST TOWER	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE423.2
			SHEET 196 of 797

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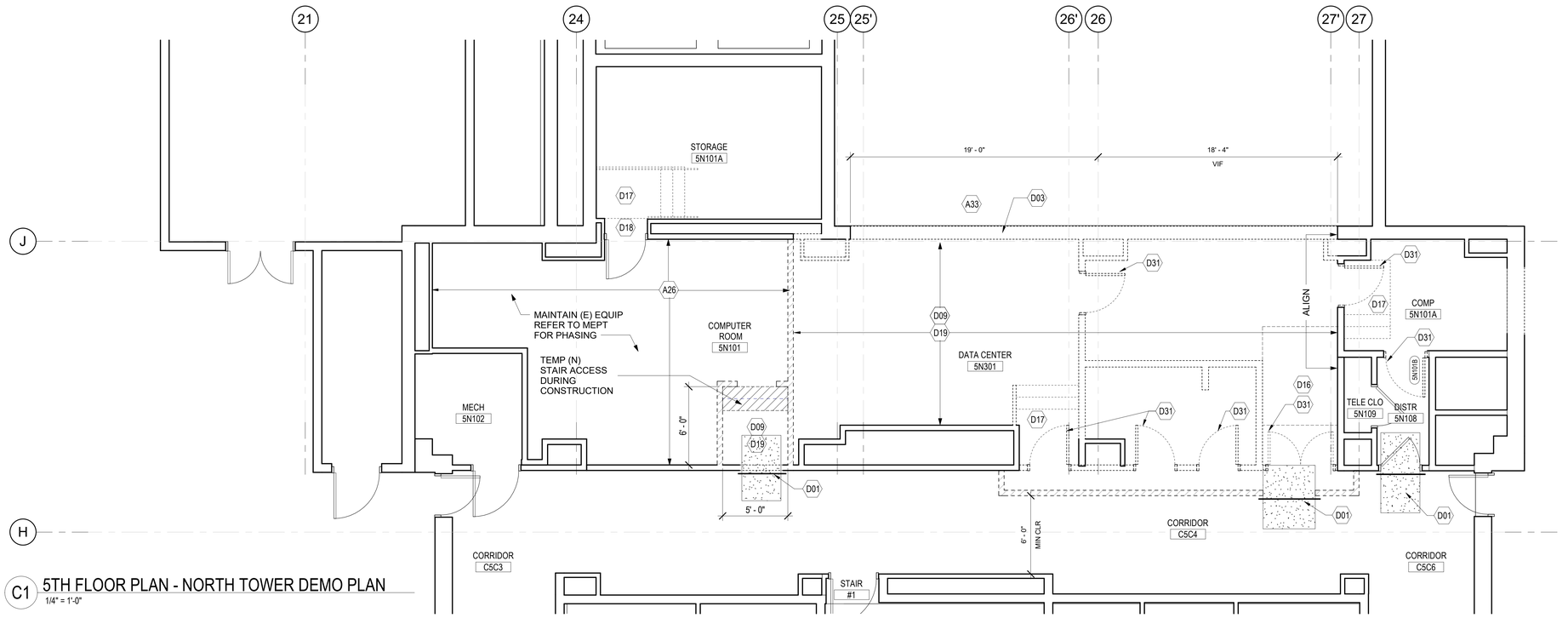
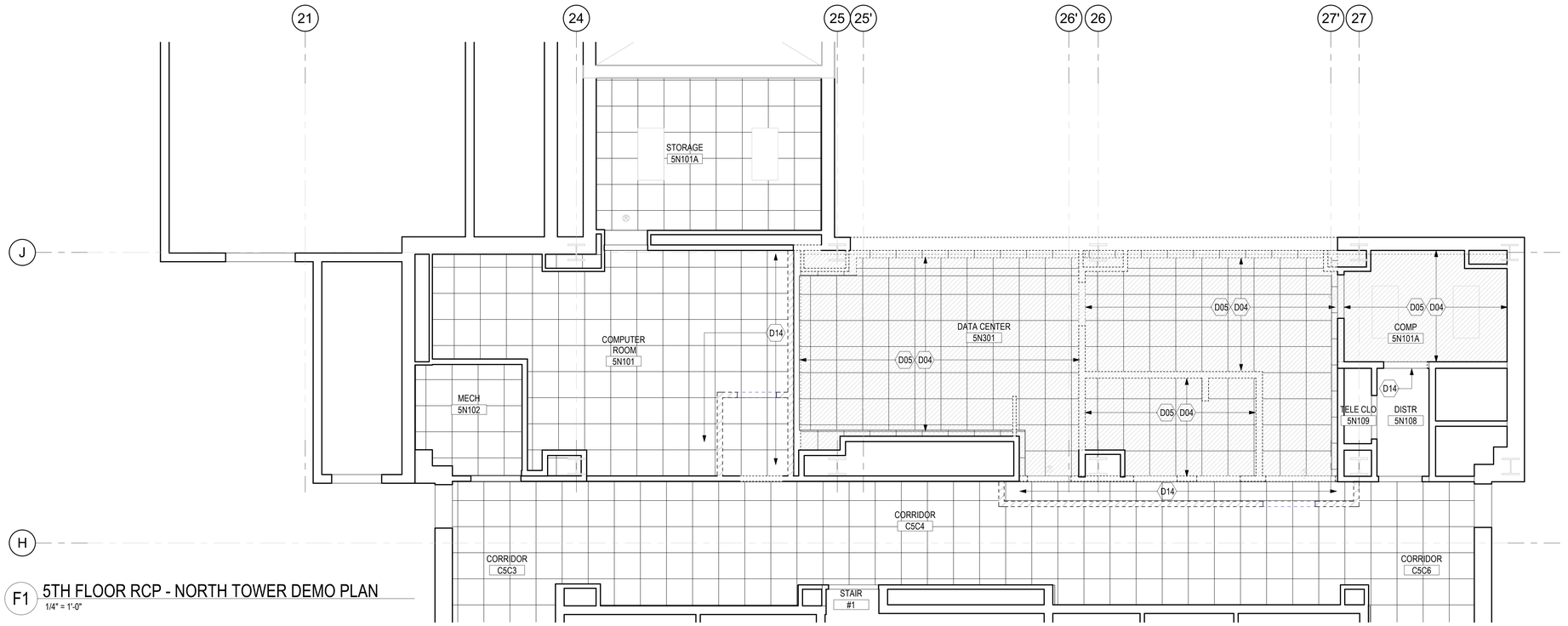


C1 5TH FLOOR PLAN - NORTH TOWER DEMO PLAN

1/4" = 1'-0"



F1 5TH FLOOR RCP - NORTH TOWER DEMO PLAN

1/4" = 1'-0"

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16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A26	PHASE 2 CONSTRUCTION AFTER PHASE 2 ABATEMENT: FINISH ROOM TO REASSIGNABLE CONDITION. INSPECT, REPAIR, PATCH, LEVEL, AND PREP (E) SLAB TO RECEIVE FUTURE FINISHES. PATCH, REPAIR, AND FINISH (E) WALLS TO MATCH FACILIITY FINISH STANDARD.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D03	REMOVE EXISTING WALL IN ITS ENTIRETY WHERE INDICATED.
D04	REMOVE EXISTING CEILING AND ASSOCIATED SUPPORT AND BRACING, FIXTURES, AND ACCESSORIES. PROTECT ADJACENT SURFACES AND EQUIPMENT.
D05	REMOVE EXISTING LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
D09	REMOVE EXISTING EXTERIOR WALL ASSEMBLY WHERE INDICATED. CAP, FLASH, AND SEAL TO MAINTAIN (E) ENCLOSURE INTEGRITY.
D14	PATCH/REPAIR CEILING FINISH DISTURBED BY CONSTRUCTION TO MATCH EXISTING.
D16	REMOVE (E) RAMP.
D17	REMOVE (E) STAIR ASSEMBLY.
D18	CUT (E) OPENING SILL TO BE LEVEL WITH ADJACENT FLOOR SLAB. PATCH AND REPLACE TRANSITION AT SLAB SEAMS. DROP (E) DOOR ASSEMBLY TO NEW (E) SLAB LEVEL, REFRAME, AND PATCH AS REQUIRED. INFILL (N) PARTITION HEAD TO MATCH ADJACENT (E) PARTITION ASSEMBLY AND FINISH.
D19	REMOVE (E) RAISED FLOOR ASSEMBLY AND ABATE (E) FLOOR FINISH WHERE INDICATED. ASBETOS PRESENT. REFER TO NOTE D10.
D31	REMOVE DOOR AND FRAME, SALVAGE ALL DOOR HARDWARE AND TURN OVER TO VA. VERIFY FRAMING AND PROVIDE MODIFICATIONS NECESSARY IF DOOR INCREASES IN SIZE. PATCH AND REFINISH ADJACENT FINISHES TO MATCH EXISTING.

DEMOLITION LEGEND

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1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

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Office of Construction and Facilities Management

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Drawing Title: 5N301 - ENLARGED DEMO & SEQUENCING PLANS - 5TH FLOOR NORTH	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE424.1 SHEET 197 of 797

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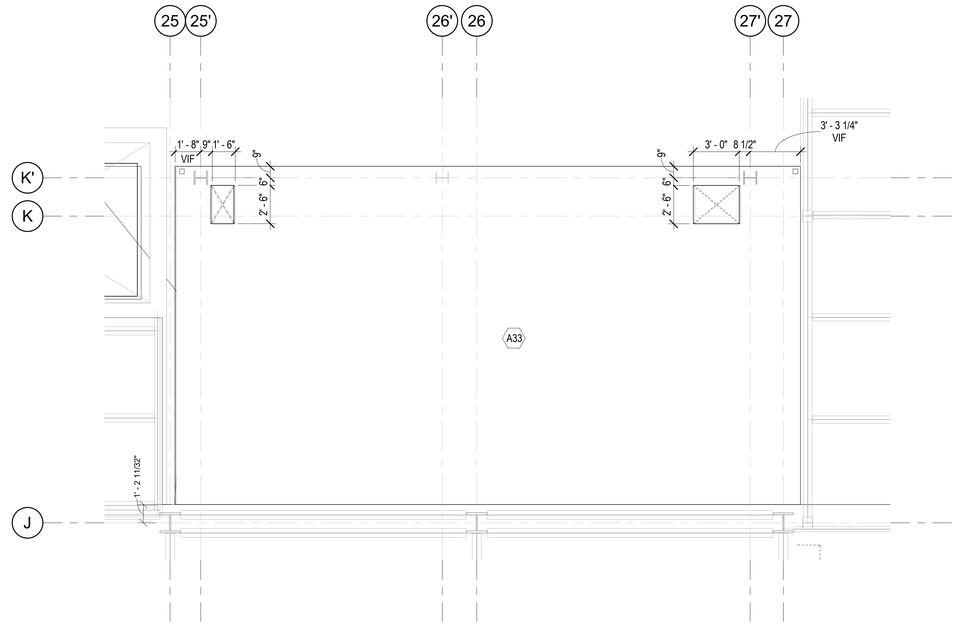


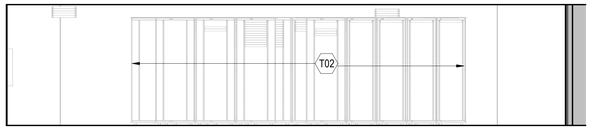
C5 5TH FLOOR SLAB PLAN - NORTH TOWER
1/4" = 1'-0"

GENERAL NOTES:

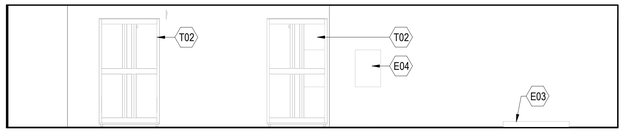
1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

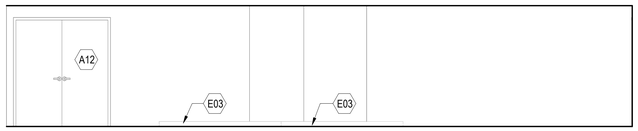
A12	DOOR AS SCHEDULED, REFER TO SHEET 01-AE601
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
E03	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS



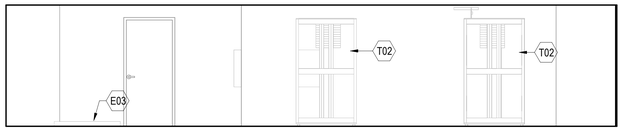
F3 - ELEVATION FACING NORTH



F3E - ELEVATION FACING EAST



F3S - ELEVATION FACING SOUTH



F3W - ELEVATION FACING WEST

F3 DATA CENTER INTERIOR ELEVATIONS
1/4" = 1'-0" REF FROM: E5 / 01-AE417

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA017141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 5N301 - ENLARGED SLAB PLANS & INTERIOR ELEVATIONS - 5TH FLOOR NORTH

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025

Checked

Drawn

Project Number: 646-22-700

Building Number: 1

Drawing Number: 01-AE424.2

SHEET 198 of 797

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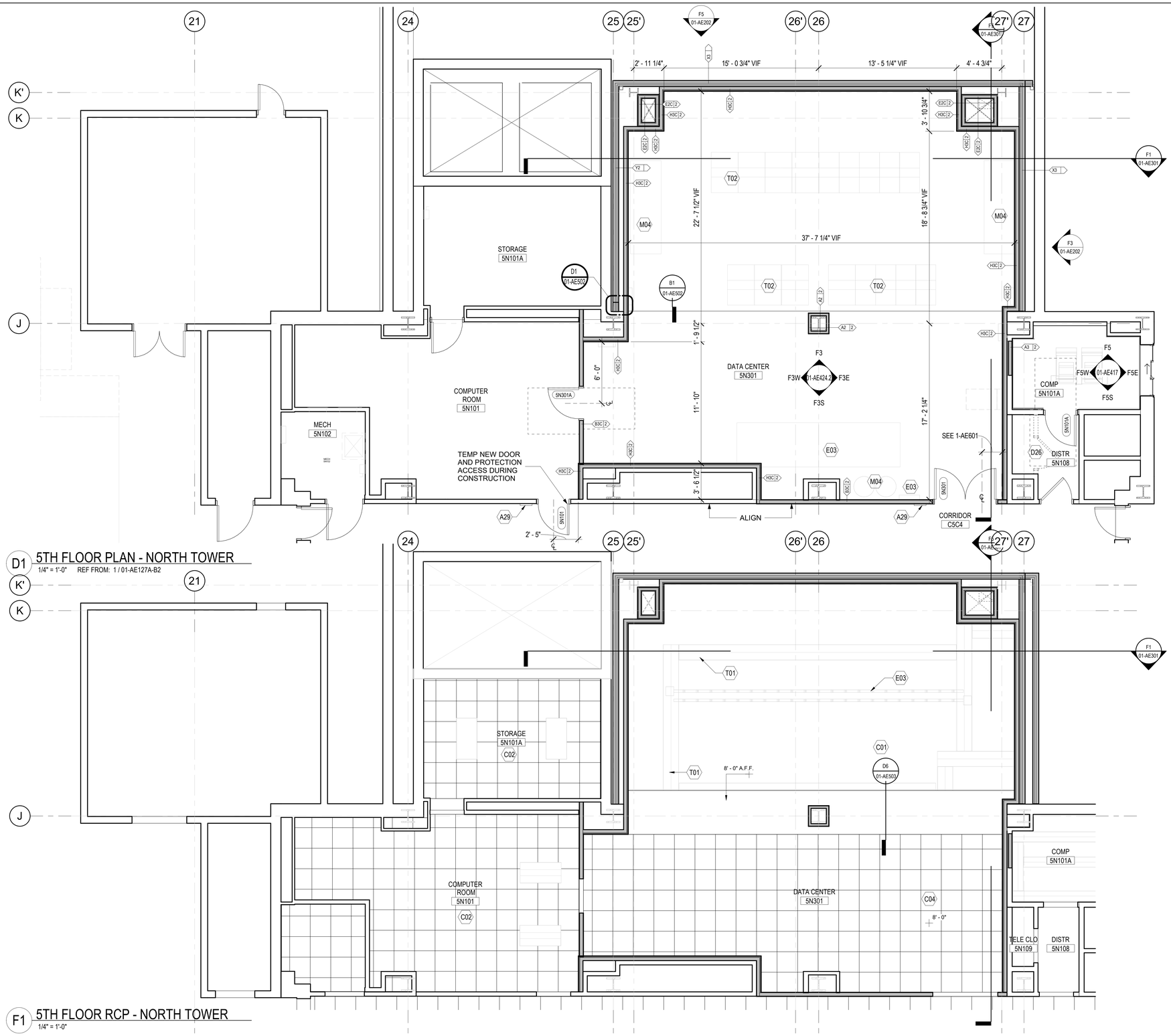

D1 5TH FLOOR PLAN - NORTH TOWER

1/4" = 1'-0" REF FROM: 1 / 01-AE127A-B2

F1 5TH FLOOR RCP - NORTH TOWER

1/4" = 1'-0"

GENERAL NOTES:

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4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
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11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
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SHEET NOTES:

A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
C04	SCHEDULED (N) CEILING, SEE FINISH SCHEDULE.
D26	DEMO WALL AND DOOR, PATCH, LEVEL, AND REFINISH WALLS AND FLOOR TO MATCH ADJACENT (E) FINISHES.
E03	ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
M04	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

STAMP

REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 5N301 - ENLARGED FLOOR PLANS & RCP - 5TH FLOOR NORTH	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE424.3
			SHEET 199 of 797

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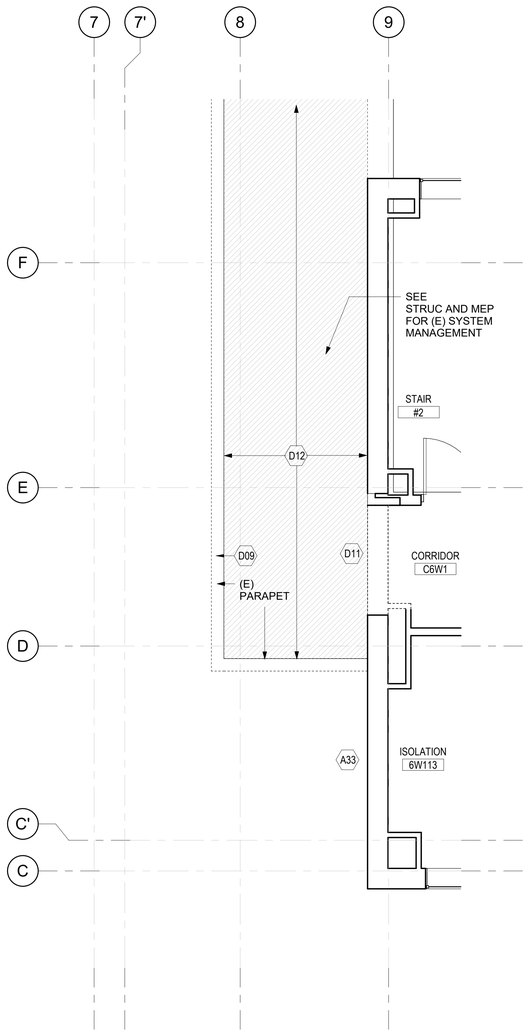
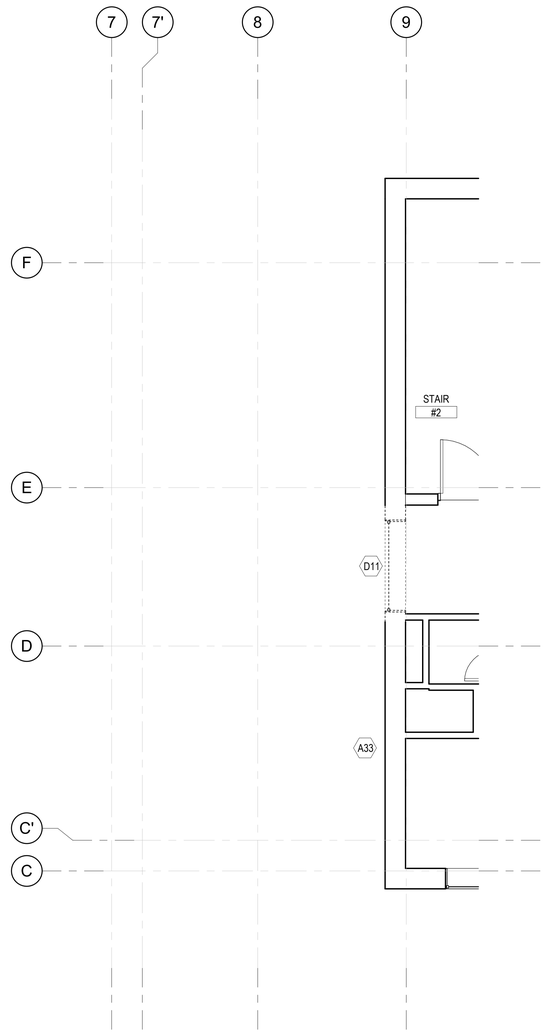


E4 6TH FLOOR DEMO PLAN - WEST TOWER
1/4" = 1'-0"



E6 TYP DEMO FLOOR PLAN - WEST TOWER
1/4" = 1'-0"

GENERAL NOTES:

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17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
D09	REMOVE EXISTING EXTERIOR WALL ASSEMBLY WHERE INDICATED. CAP, FLASH, AND SEAL TO MAINTAIN (E) ENCLOSURE INTEGRITY.
D11	REMOVE EXISTING WINDOW ASSEMBLY. ASBETOS MAY BE PRESENT. REFERENCE REPORT AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D12	REMOVE EXTERIOR ROOF ASSEMBLY WHERE INDICATED BY HATCHED AREA. CAP, FLASH, AND SEAL TO MAINTAIN (E) ENCLOSURE INTEGRITY.

DEMOLITION LEGEND

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PARTITION LEGEND

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- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GLENN H. KLOW No. RA017141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WEST TOWER - ENLARGED DEMO PLANS & RCPS - 6TH THRU 11TH FLOOR TYPICAL	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE425.1
			SHEET 200 of 797

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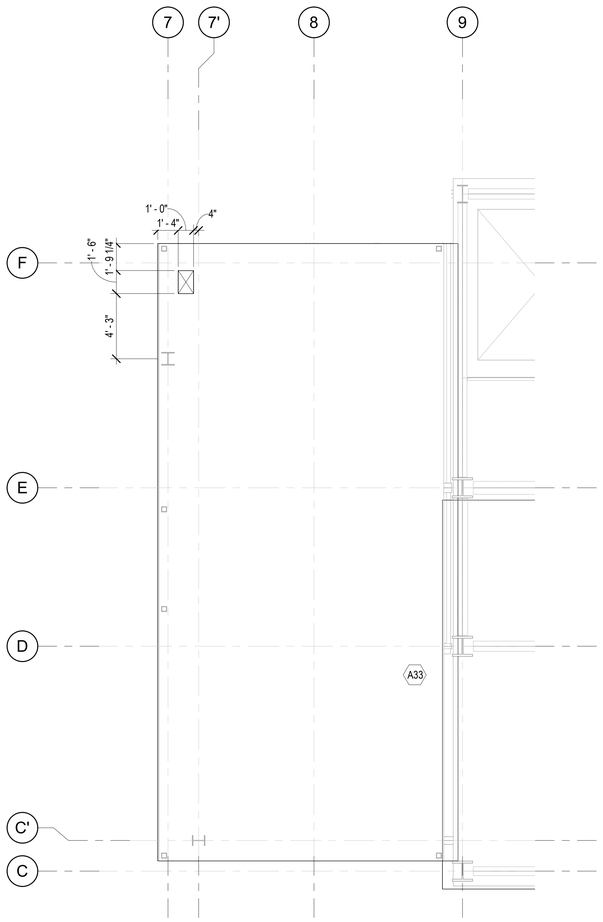
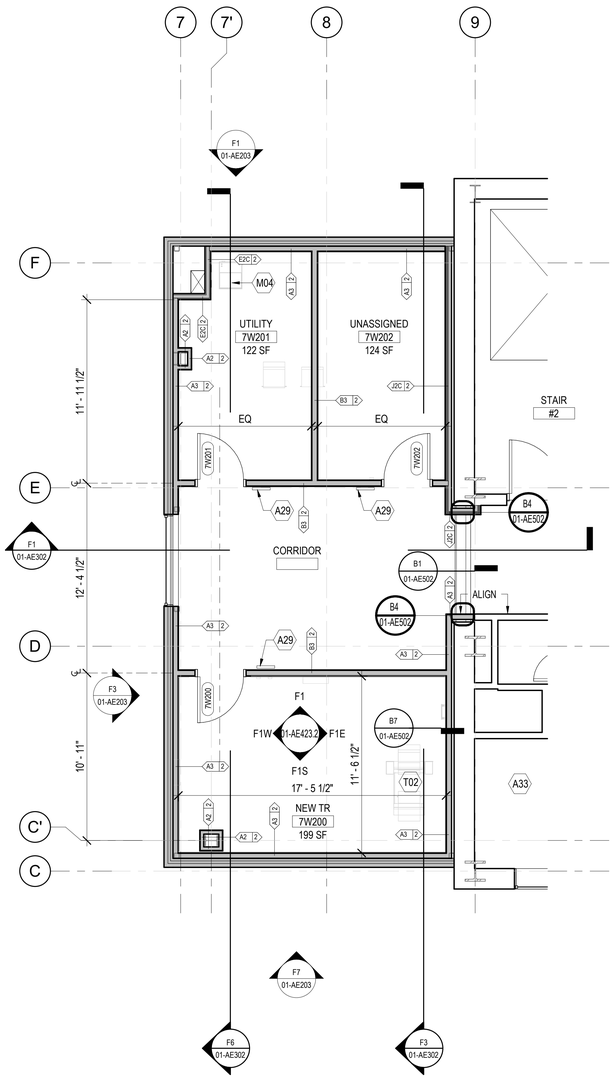
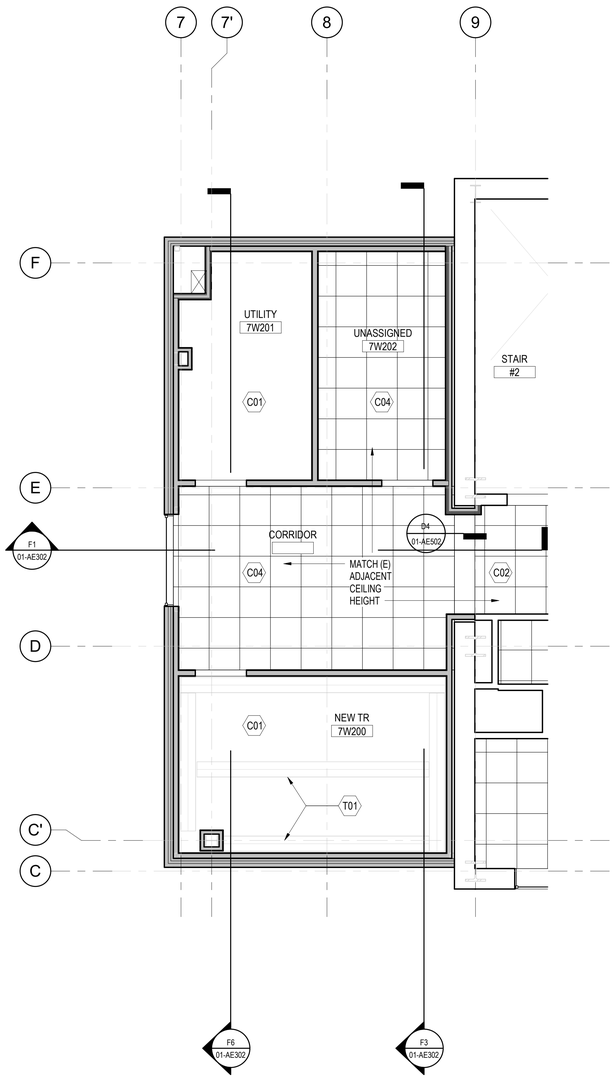


E1 TYP FLOOR SLAB PLAN - WEST TOWER
1/4" = 1'-0"



E4 TYP FLOOR PLAN - WEST TOWER
1/4" = 1'-0" REF FROM: 1 / 01-AE129A-B2



E6 TYP FLOOR RCP - WEST TOWER
1/4" = 1'-0"

TYPICAL PLANS CONTAINING ROOM NUMBERS ARE AN EXAMPLE. SEE SCHEDULES FOR DETAILED ROOM INFORMATION BY FLOOR.

GENERAL NOTES:

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SHEET NOTES:

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C01	OPEN TO STRUCTURE ABOVE.
C02	(E) CEILING TO REMAIN.
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M04	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

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PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STAMP
REGISTERED ARCHITECT PENNSYLVANIA
DANIEL H. KLOW No. RA407141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WEST TOWER ENLARGED FLOOR PLANS & RCPS - 6TH THRU 11TH FLOOR TYPICAL	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE425.2
			SHEET 201 of 797

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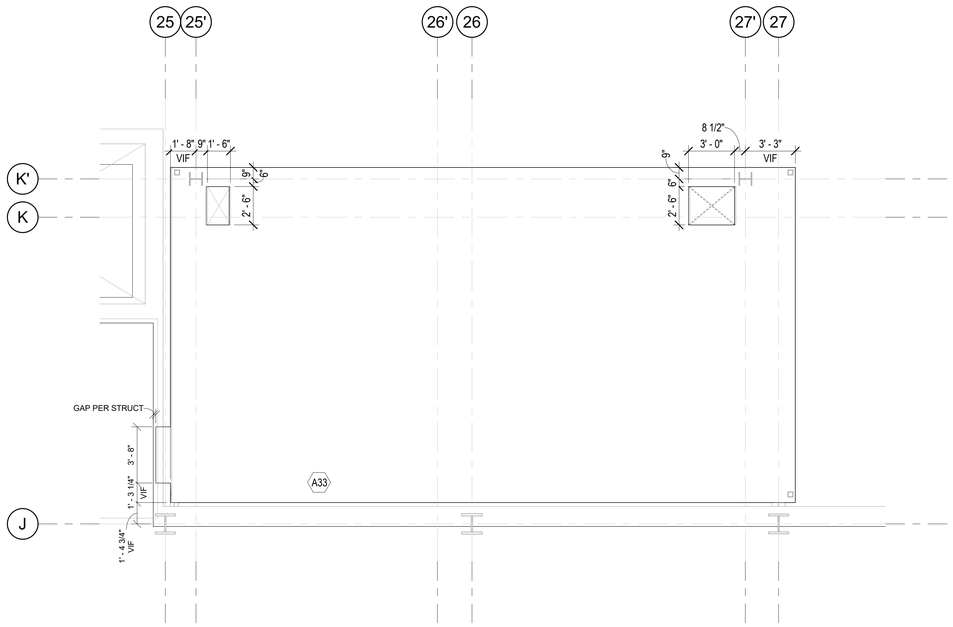
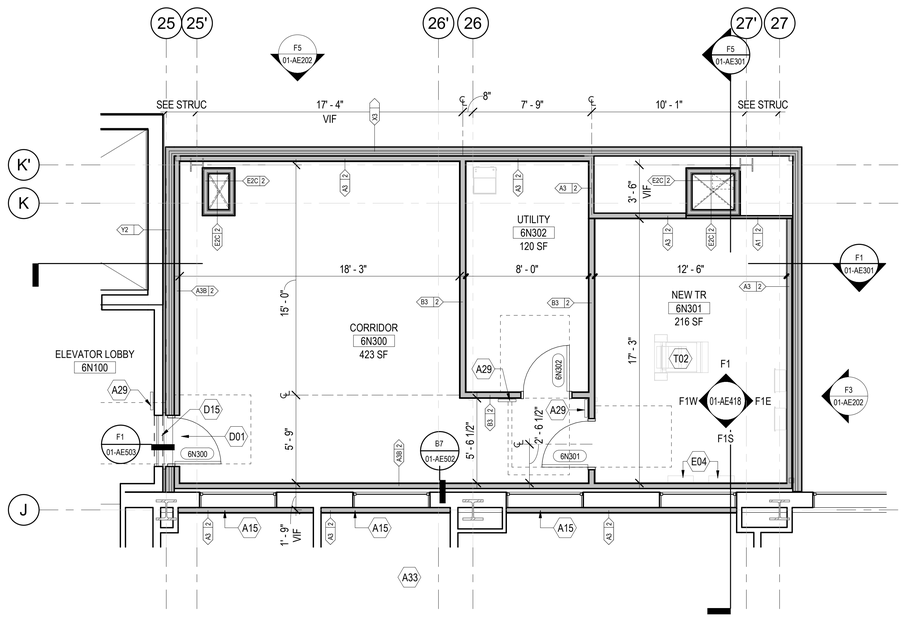


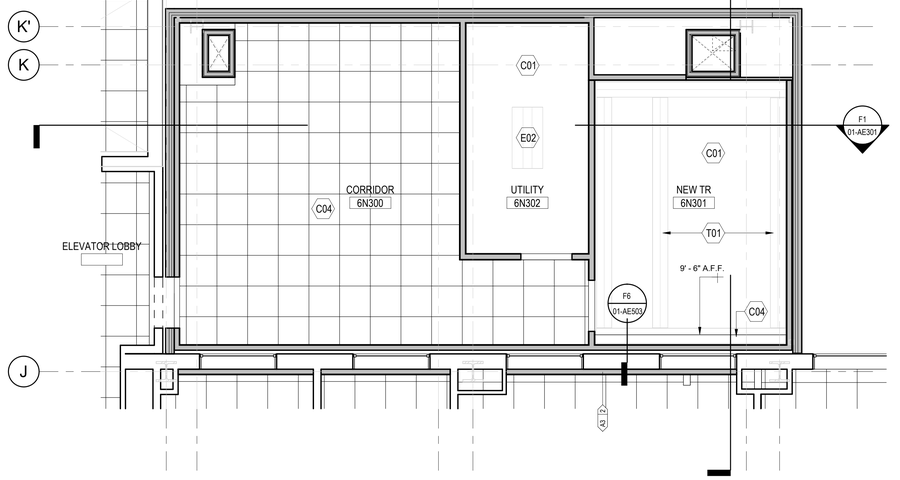
C1 TYP FLOOR SLAB PLAN - NORTH TOWER

1/4" = 1'-0"



C5 TYP FLOOR PLAN - NORTH TOWER

1/4" = 1'-0" REF FROM: 1 / 01-AE128A-B2



TYPICAL PLANS CONTAINING ROOM NUMBERS ARE AN EXAMPLE. SEE SCHEDULES FOR DETAILED ROOM INFORMATION BY FLOOR.

F5 TYP FLOOR RCP - NORTH TOWER

1/4" = 1'-0"

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
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5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A15	FURR AND FINISH TO ENCLOSE (E) WINDOWS AND CLOSE ADJACENT PROGRAM FROM NEW CONSTRUCTION, TYP.
A29	SIGNAGE LOCATION TO BE CONFIRMED WITH VA STATION. FINAL SIGNAGE PROVIDED AND INSTALLED BY VA.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
C01	OPEN TO STRUCTURE ABOVE.
C04	SCHEDULED (N) CEILING, SEE FINISH SCHEDULE.
D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D15	REMOVE PORTION OF EXISTING WALL TO FACILITATE INSTALLATION OF NEW DOOR.
E02	NEW INTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
E04	PANELBOARD, SEE ELECTRICAL DRAWINGS
T01	HORIZONTAL CABLE TRAY, SEE TELECOMMUNICATIONS DRAWINGS
T02	COMMUNICATIONS RACK SYSTEM, SEE TELECOMMUNICATION DRAWINGS

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
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- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE: 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GREGORY H. KLOW NO. RA014164

Office of Construction and Facilities Management

VA | U.S. Department of Veterans Affairs

Drawing Title	NORTH TOWER - ENLARGED FLOOR PLANS & RCPS - 6TH THRU 11TH FLOOR TYPICAL
Approved:	
Phase	FINAL BID DOCUMENTS
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE426
	SHEET 202 of 797

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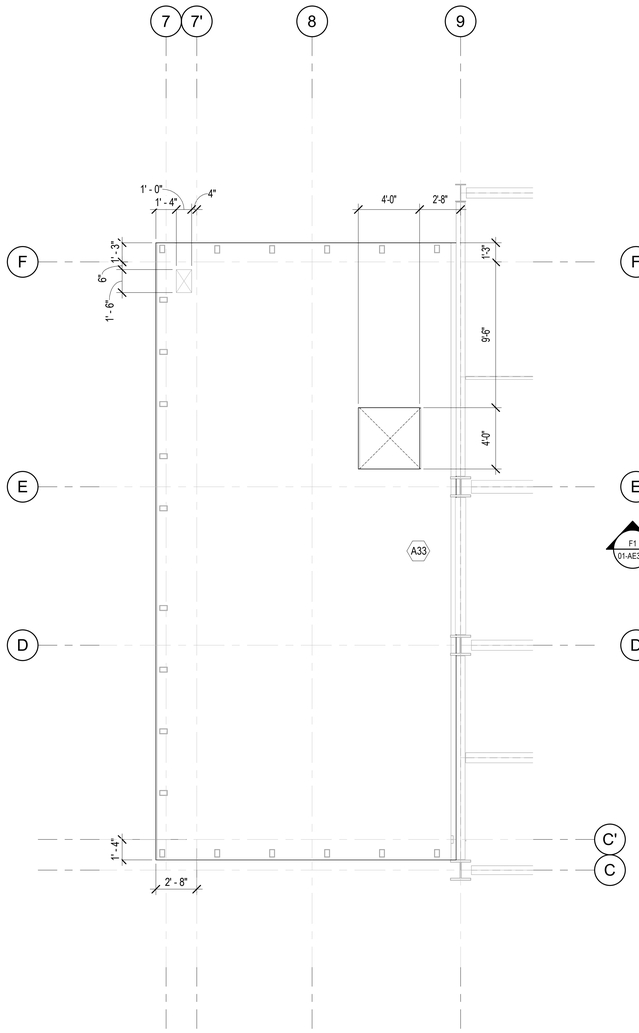
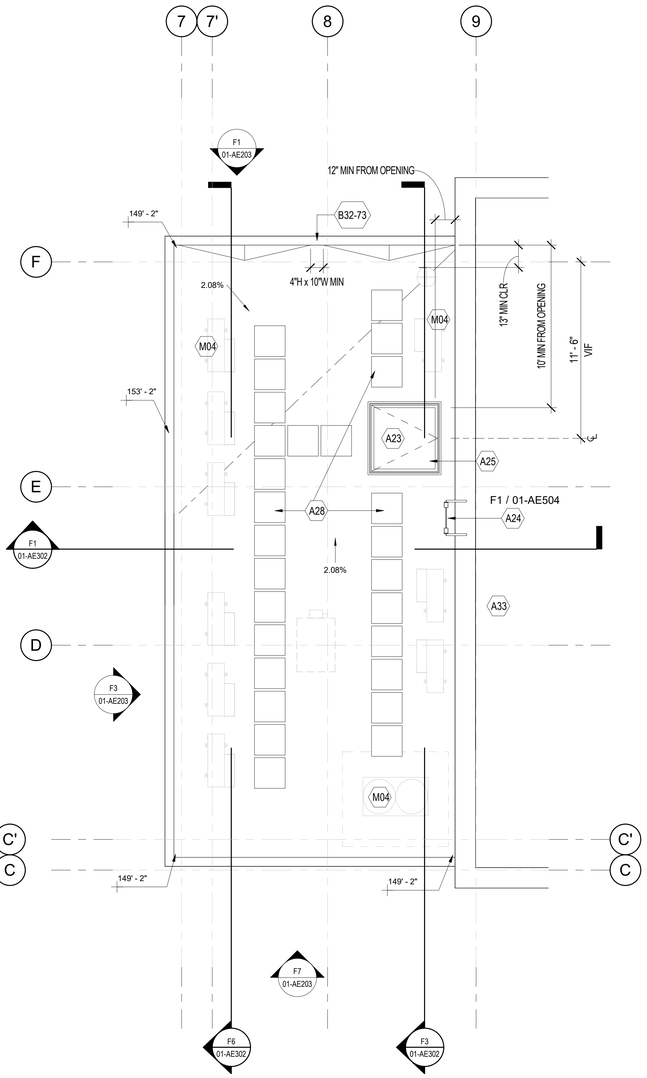


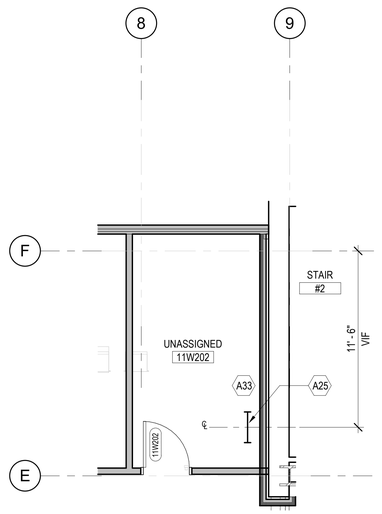


E1 ROOF SLAB PLAN - WEST TOWER

1/4" = 1'-0" REF FROM: F3 / 01-AE202

E2 ROOF PLAN - WEST TOWER

1/4" = 1'-0" REF FROM: F3 / 01-AE202



C7 11W202 FLOOR PLAN

1/4" = 1'-0" REF FROM: 1 / 01-AE133A

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17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

A23	(N) ACCESS HATCH.
A24	(N) ACCESS LADDER FROM (N) ROOF TO (E) ADJACENT ROOF.
A25	(N) ACCESS LADDER FROM 11TH LEVEL TO (N) ROOF LEVEL.
A28	2X2 PAVER FOR ROOFTOP ACCESS.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
B32-73	SCUPPERS
M04	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

DEMOLITION LEGEND

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- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
215 N. Payne Street, Suite 122
Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA007114

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ROOF WEST - ENLARGED FLOOR PLANS & RCPS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE427
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 203 of 797

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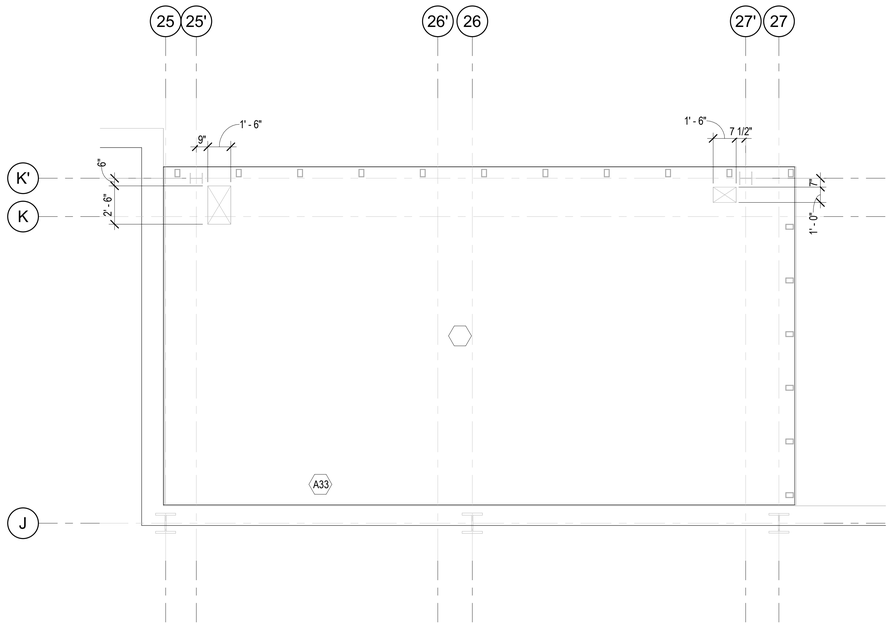
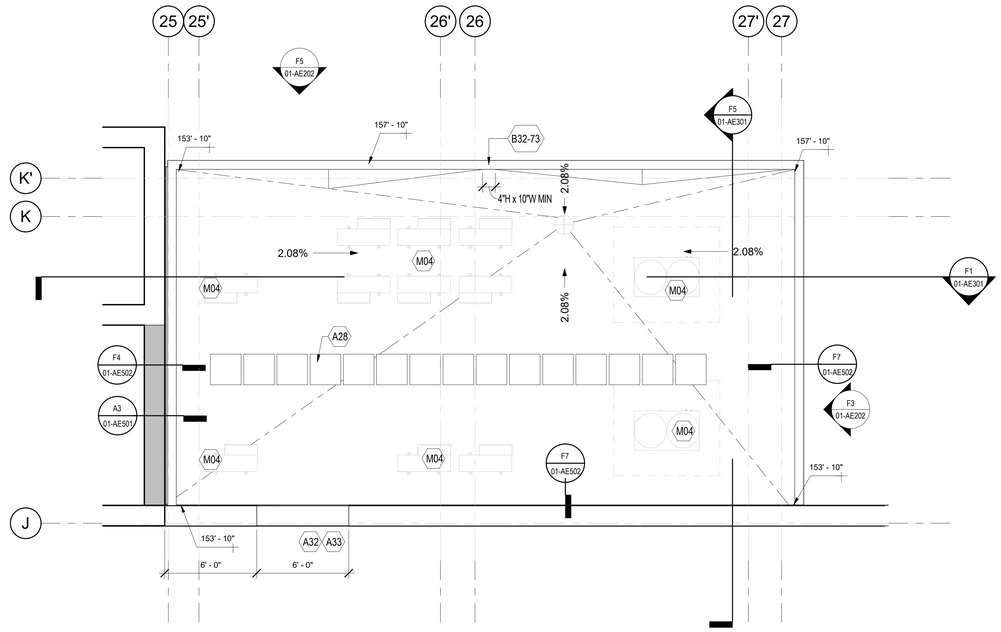


C1 ROOF SLAB PLAN - NORTH TOWER

1/4" = 1'-0" REF FROM: 1 / 01-AE112



C5 ROOF PLAN - NORTH TOWER

1/4" = 1'-0" REF FROM: 1 / 01-AE112

GENERAL NOTES:

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SHEET NOTES:

A28	2X2 PAVER FOR ROOFTOP ACCESS.
A32	DEMO OPENING AS DIMENSIONED. FINISH TO MATCH ADJACENT (E) FINISHES. CONTINUE JOINT COVER AT OPENING AND REPAIR MAINTAIN (E) EXTERIOR ROOF MEMBRANE AS TRANSITION TO (N) ROOM MEMBRANE.
A33	(E) EXTERIOR WALLS INSIDE FACE OF SPEED TILE IS ASSUMED POSITIVE FOR ASBESTOS (ACM). GC TO MITIGATE AS NEEDED WHEN AFFECTING THE EXTERIOR WALL.
B32-73	SCUPPERS
M04	MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

DEMOLITION LEGEND

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PARTITION LEGEND

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- FIRE BARRIER, 2 HOUR
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- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

A/E:
Awen Solutions Group
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Alexandria, VA 22314

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA017141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ROOF NORTH - ENLARGED FLOOR PLANS & RCPS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE428 SHEET 204 of 797

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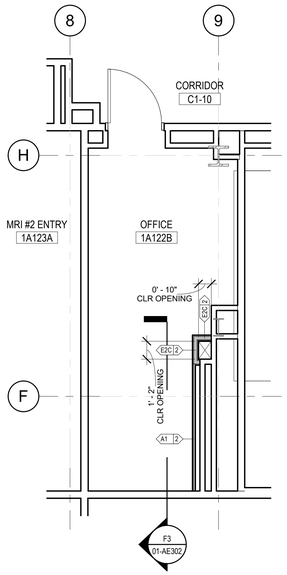
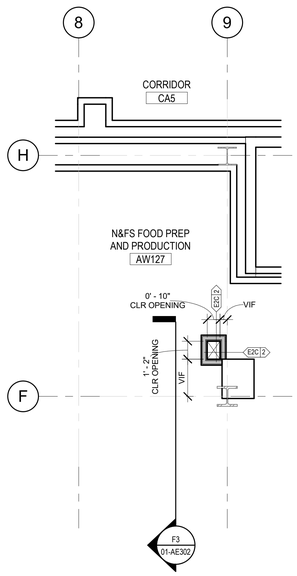
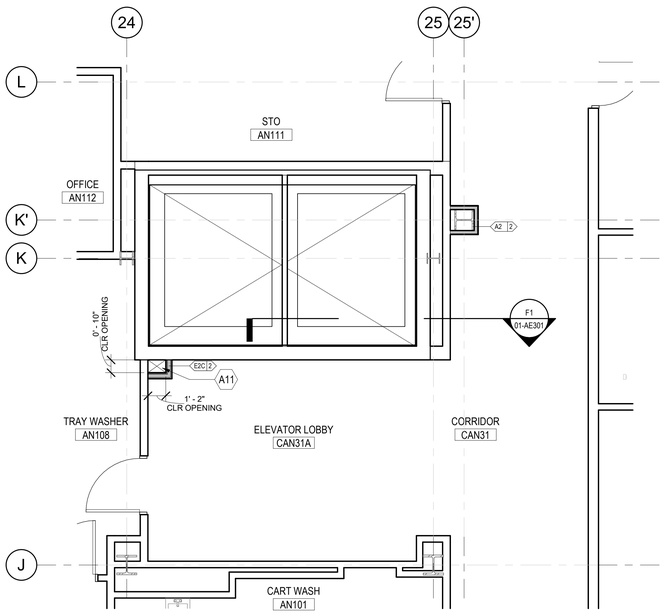


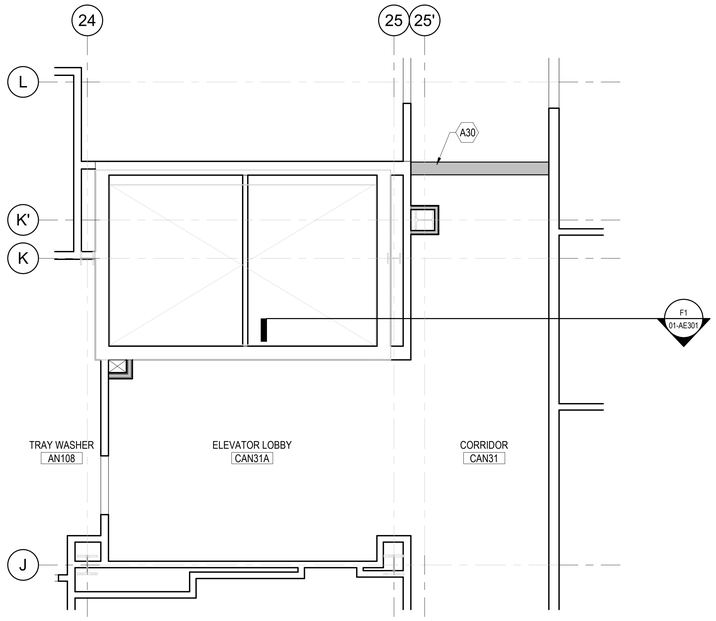
C5 1ST FLOOR CHASE PLAN - 1A122B
1/4" = 1'-0" REF FROM: 1 / 01-AE123A



C6 GROUND FLOOR CHASE PLAN - AW127
1/4" = 1'-0" REF FROM: 1 / 01-AE122A



F3 GROUND FLOOR CHASE PLAN - CAN31A
1/4" = 1'-0" REF FROM: 1 / 01-AE122E



F6 RCP AT CORRIDOR CAN31
1/4" = 1'-0"

GENERAL NOTES:

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SHEET NOTES:

A11	(N) CHASE
A30	(N) SOFFIT.

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PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA
RENEE H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED CHASE PLANS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE429
			SHEET 205 of 797

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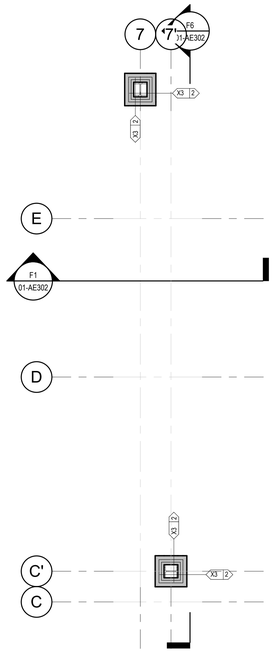
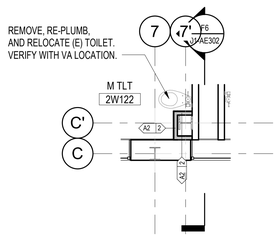


C1 ENLARGED FOURTH FLOOR PLAN - AREA A - COLUMNS
1/4" = 1'-0" REF FROM: 1 / 01-AE126A-B2



B4 ENLARGED SECOND FLOOR PLAN - AREA A - COLUMN
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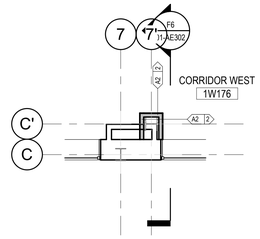
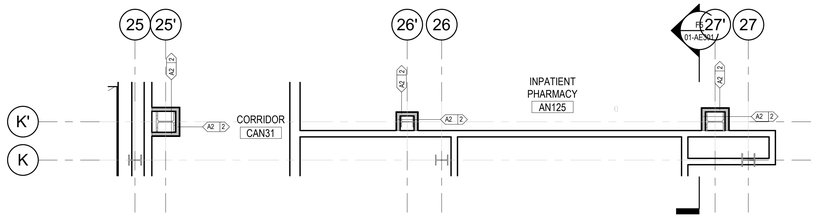
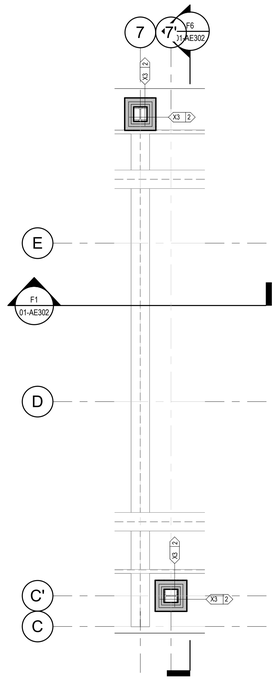


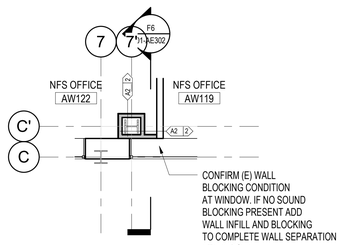
B7 ENLARGED FIRST FLOOR PLAN - AREA A - COLUMN
1/4" = 1'-0" REF FROM: 1 / 01-AE123A



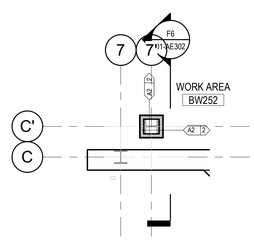
C4 ENLARGED GROUND FLOOR PLAN - AREA E - COLUMNS
1/4" = 1'-0" REF FROM: 1 / 01-AE122E



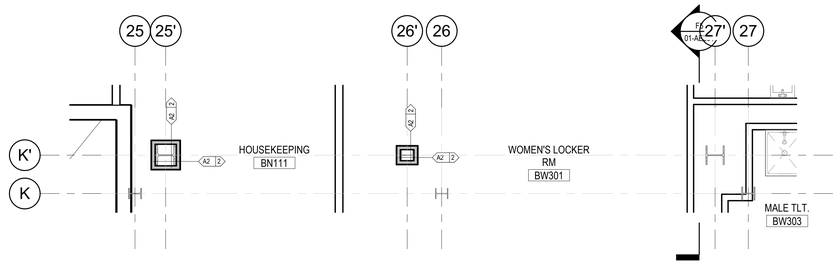
F1 ENLARGED THIRD FLOOR PLAN - AREA A - COLUMNS
1/4" = 1'-0" REF FROM: 1 / 01-AE125A



E4 ENLARGED GROUND FLOOR PLAN - AREA A - COLUMN
1/4" = 1'-0" REF FROM: 1 / 01-AE122A



E7 ENLARGED BASEMENT PLAN - AREA A - COLUMN
1/4" = 1'-0" REF FROM: 1 / 01-AE121A



F4 ENLARGED BASEMENT PLAN - AREA E - COLUMNS
1/4" = 1'-0" REF FROM: 1 / 01-AE121E

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES, TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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Alexandria, VA 22314

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REGISTERED ARCHITECT
COMMONWEALTH OF PENNSYLVANIA
GENE H. KLOW No. RA014114

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ENLARGED FLOOR PLANS - COLUMN CONDITIONS
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
Checked	
Drawn	
Project Number	646-22-700
Building Number	1
Drawing Number	01-AE430
	SHEET 206 of 797

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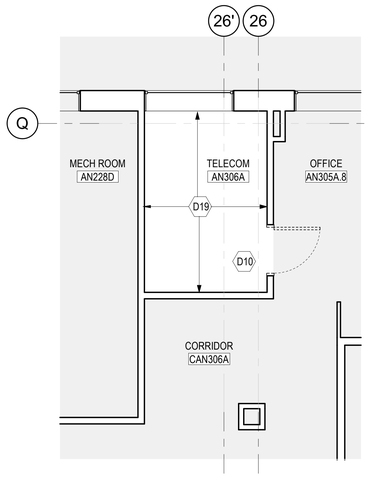

C7 TR AN306A DEMO HAZMAT
1/4" = 1'-0" REF FROM: 1 / 01-AE122F

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

D10	ASBETOS PRESENT. REFERENCE ASBESTOS REPORT FOR MATERIAL DETAIL AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D19	REMOVE (E) RAISED FLOOR ASSEMBLY AND ABATE (E) FLOOR FINISH WHERE INDICATED. ASBETOS PRESENT. REFER TO NOTE D10.

ABATEMENT SCHEDULE

ROOM NUMBER	ABATEMENT	ABATEMENT NOTES	ABATEMENT QTY
AN306A	YES	BLACK MASTIC ASSOCIATED WITH 12 X 12 CREAM WITH SPECKLES FLOOR TILE	87SF

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
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- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

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REGISTERED ARCHITECT PENNSYLVANIA GENE H. KLOW No. RA017141

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: AN306A - ENLARGED ABATEMENT PLAN
Approved:
Phase: FINAL BID DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
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SHEET 207 of 797

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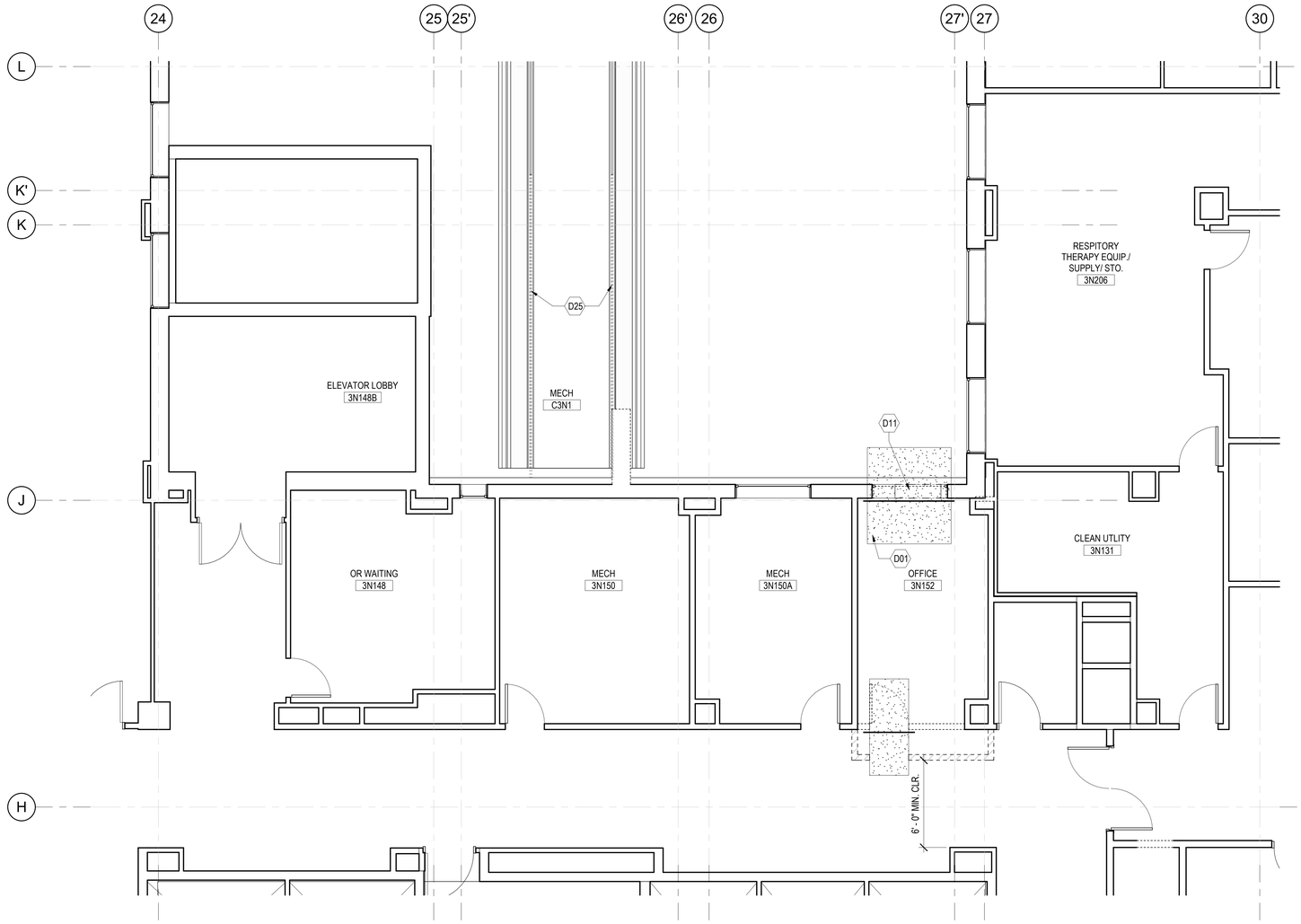

D1 3RD FLOOR PLAN - NORTH TOWER DEMO HAZMAT
1/4" = 1'-0"

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
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6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
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8. ROOM FINISH SCHEDULES ON 01-AE602.
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11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

D01	PROVIDE WALK OFF MATS AND PLASTIC SHEETING (VISQUEEN) AT CONSTRUCTION AREAS. STARC WALL SYSTEM PANELS OR SIMILAR TEMP PANELS USED WHEN CONSTRUCTION EXCEEDS 48 HRS TYPICAL.
D11	REMOVE EXISTING WINDOW ASSEMBLY. ASBETOS MAY BE PRESENT. REFERENCE REPORT AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D25	REMOVE EXISTING GUARDRAIL TO EXTERIOR OF (N) EXTERIOR ASSEMBLY. INSTALL NEW VERTICAL AND POST BASE AS REQUIRED TO PROVIDE NEW SUPPORT. FINISH AND MATERIAL TO MATCH (E) GUARDRAIL.

ABATEMENT SCHEDULE

ROOM NUMBER	ABATEMENT	ABATEMENT NOTES	ABATEMENT QTY
3N152	YES	EXISTING EXTERIOR WALL (INSIDE FACE OF SPEED TILE) IS ASSUMED POSITIVE FOR ASBESTOS (ACM) GC TO MITIGATE AS NEEDED.	

DEMOLITION LEGEND

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- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA CRAIG H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	3N301 - ENLARGED ABATEMENT PLANS - 3RD FLOOR NORTH
Phase	FINAL BID DOCUMENTS
Approved:	
	FULLY SPRINKLERED
Project Title	EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location	UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date	06.13.2025
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Drawn	
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	SHEET 208 of 797

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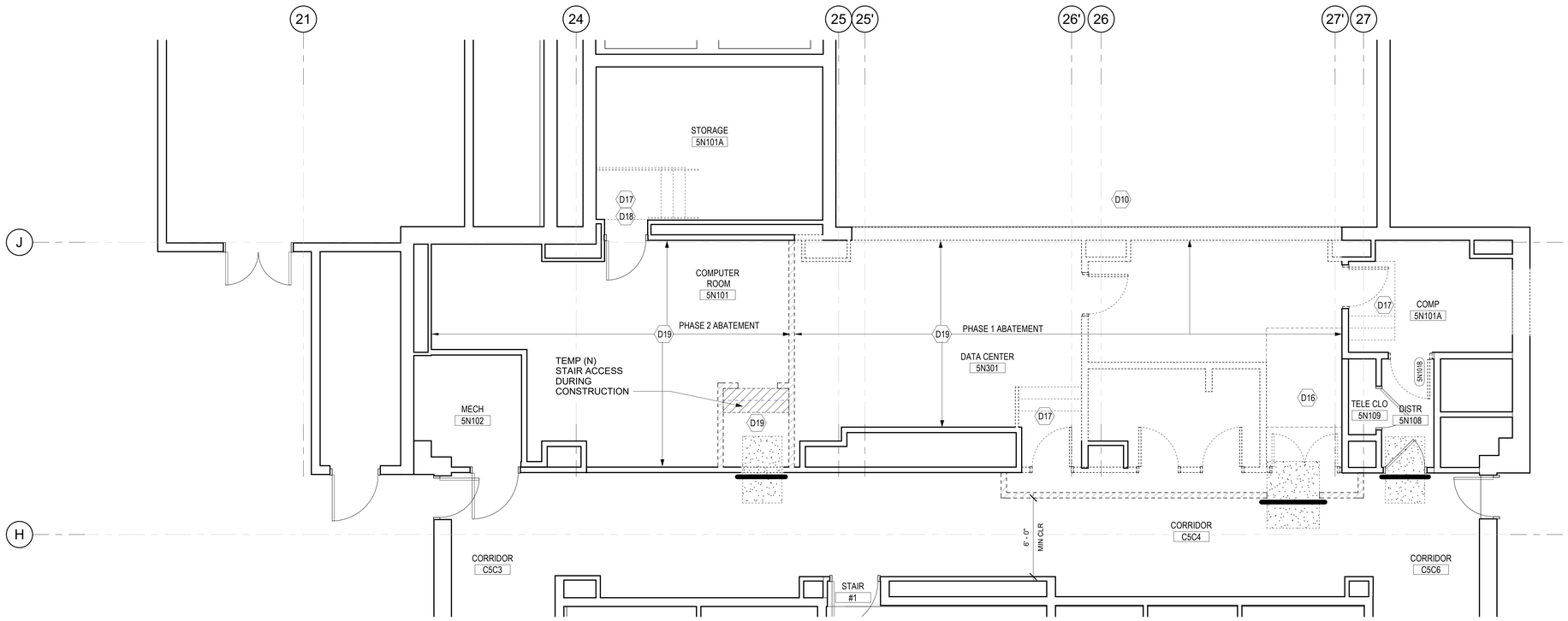

D1 5TH FLOOR PLAN - NORTH TOWER DEMO HAZMAT

1/4" = 1'-0"

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
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7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

D10	ASBETOS PRESENT. REFERENCE ASBESTOS REPORT FOR MATERIAL DETAIL AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D16	REMOVE (E) RAMP.
D17	REMOVE (E) STAIR ASSEMBLY.
D18	CUT (E) OPENING SILL TO BE LEVEL WITH ADJACENT FLOOR SLAB. PATCH AND REPLACE TRANSITION AT SLAB SEAMS. DROP (E) DOOR ASSEMBLY TO NEW (E) SLAB LEVEL, REFRAME, AND PATCH AS REQUIRED. INFILL (N) PARTITION HEAD TO MATCH ADJACENT (E) PARTITION ASSEMBLY AND FINISH.
D19	REMOVE (E) RAISED FLOOR ASSEMBLY AND ABATE (E) FLOOR FINISH WHERE INDICATED. ASBETOS PRESENT. REFER TO NOTE D10.

ABATEMENT SCHEDULE

ROOM NUMBER	ABATEMENT	ABATEMENT NOTES	ABATEMENT QTY
5N301	YES	9X9 BLACK FLOOR TILE, 9X9 WHITE FLOOR TILE, BLACK WALL COATING, TAN WALL CAULK, 4X4 CERAMIC WALL TILE GROUT	910 SF

DEMOLITION LEGEND

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- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
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PLAN NORTH

1/4" = 1'-0" SCALE 2 0 2 4 6 8 10 FEET

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: 5N301 - ENLARGED ABATEMENT PLANS - 5TH FLOOR NORTH	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-H424.1
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 209 of 797

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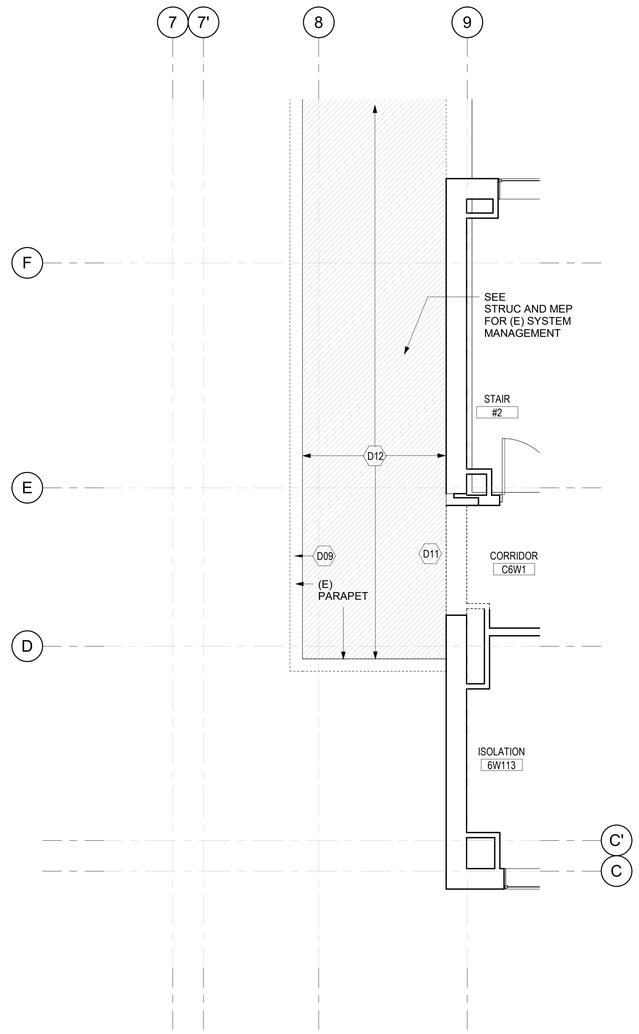

E6 6TH FLOOR PLAN - WEST TOWER DEMO HAZMAT
1/4" = 1'-0"

GENERAL NOTES:

1. COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. THE MINIMUM FIRE RATING FOR ALL LOAD-BEARING STRUCTURAL ELEMENTS SHALL BE MAINTAINED. SEE COVER CODE SUMMARY TABLE FOR PROJECT REQUIRED BUILDING RATING ELEMENTS. IF DURING CONSTRUCTION ANY DAMAGE TO FIRE PROTECTION IS OBSERVED OR ANY MISSING WITHIN THE AREA OF WORK, THE CONTRACTOR SHALL REPAIR TO MAINTAIN FULL PROTECTION.
3. ADDITIONAL FACILITY REQUIREMENTS 00-GI020 THRU 00-GI022.
4. ADDITIONAL INFECTION CONTROL REQUIREMENTS 00-GI011, 01-GI015, AND 01-GI015.
5. PARTITION TYPES ON SHEET 00-AE520 AND 00-AE521.
6. ADDITIONAL ROOF ASSEMBLY DETAILS ON SHEET 00-AE522.
7. DOOR SCHEDULES AND ADDITIONAL INFORMATION ON SHEET 01-AE601.
8. ROOM FINISH SCHEDULES ON 01-AE602.
9. CLEAR (CLR) DIMENSIONS ARE FROM FACE OF FINISH TO FACE OF FINISH, INCLUDING APPLIED FINISHES SUCH AS TILE.
10. DIMENSIONS SHOWN FROM EXISTING WALLS ARE FROM FACE OF FINISH.
11. OFFSET STUDS TO ACCOMMODATE MULTIPLE LAYERS OF GYPSUM BOARD, SEE WALL TYPES.
12. SOME SHEET KEYNOTES LISTED BELOW MAY NOT APPLY TO THIS SHEET.
13. DIMENSIONS PRECEDED BY A TILDE (~) ARE APPROXIMATE, SUBJECT TO FIELD VERIFICATION.
14. ASBESTOS AND / OR LEAD MAY BE PRESENT. REFERENCE PROJECT HAZARD REPORTS FOR LOCATION AND MATERIAL DETAIL. REFERENCE SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
15. WHERE DEMO INDICATED PATCH AND REPAIR WHERE REQUIRED. REFINISH TO MATCH ADJACENT (E) FINISHES.
16. (N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.
17. REFERENCE MECHANICAL FOR CEILING DRIP PANS WHERE SCHEDULED.

SHEET NOTES:

D09	REMOVE EXISTING EXTERIOR WALL ASSEMBLY WHERE INDICATED. CAP, FLASH, AND SEAL TO MAINTAIN (E) ENCLOSURE INTEGRITY.
D11	REMOVE EXISTING WINDOW ASSEMBLY. ASBETOS MAY BE PRESENT. REFERENCE REPORT AND SPECIFICATIONS FOR ABATEMENT REQUIREMENTS AS REQUIRED.
D12	REMOVE EXTERIOR ROOF ASSEMBLY WHERE INDICATED BY HATCHED AREA. CAP, FLASH, AND SEAL TO MAINTAIN (E) ENCLOSURE INTEGRITY.

ABATEMENT SCHEDULE

ROOM NUMBER	ABATEMENT	ABATEMENT NOTES	ABATEMENT QTY
C6W1	YES	EXISTING EXTERIOR WALL (INSIDE FACE OF SPEED TILE) IS ASSUMED POSITIVE FOR ASBESTOS (ACM) GC TO MITIGATE AS NEEDED.	

DEMOLITION LEGEND

- OUT OF SCOPE AREAS, COORDINATE WITH FIRE PROTECTION, MECHANICAL, ELECTRICAL, PLUMBING, TELECOMMUNICATIONS, AND SECURITY PLANS FOR ADDITIONAL REQUIREMENTS WITHIN THIA AREA
- REMOVE CEILING AND ASSOCIATED SUPPORT AND SEISMIC BRACING, FIXTURES, AND ACCESSORIES. TYPICAL WITHIN DEMOLITION BOUNDARY. PROTECT ADJACENT SURFACES AND EQUIPMENT. PREP ADJACENT SURFACES FOR CONSTRUCTION INDICATED
- REMOVE GYPSUM BOARD CEILING AND ASSOCIATED SUPPORT/SUSPENSION SYSTEM, FIXTURES, AND ACCESSORIES
- CONSTRUCTION TO REMAIN IN PLACE (SHOWN SOLID)
- CONSTRUCTION TO BE DEMOLISHED (SHOWN DASHED)
- TEMPORARY CONSTRUCTION BARRIER
- PLASTIC SHEETING (VISQUEEN)
- WALK-OFF MATS

PARTITION LEGEND

- FIRE BARRIER, 3 HOUR
- FIRE BARRIER, 2 HOUR
- FIRE BARRIER, 1 HOUR
- SMOKE BARRIER
- NEW PARTITION
- EXISTING PARTITION
- DEMOLITION
- WATER BARRIER

PLAN NORTH

2 0 2 4 6 8 10
1/4" = 1'-0" SCALE FEET

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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REGISTERED ARCHITECT PENNSYLVANIA JOSEPH H. KLOW No. RA014150

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

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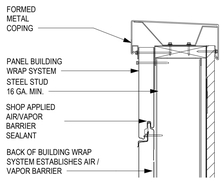
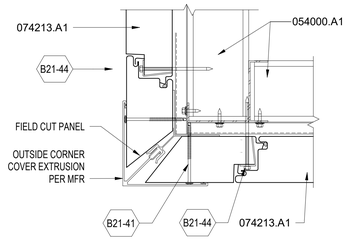


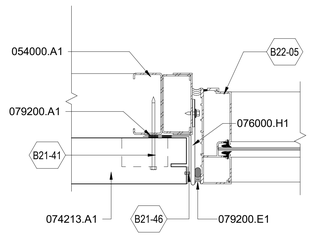
B2 SECTION - SYSTEM WRAP AT PARAPET

1 1/2" = 1'-0" REF FROM: C5 / 01-AE428



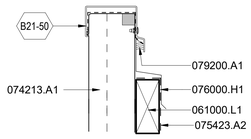
B4 PLAN - CORNER (EXTRUSION)

3" = 1'-0" REF FROM: F5 / 01-AE202



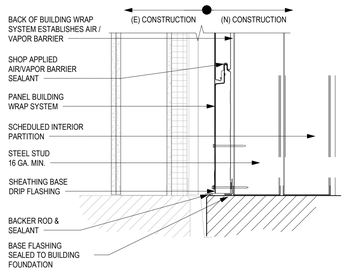
B5 PLAN - OPENING AT JAMB

3" = 1'-0" REF FROM: 1 / 01-AE601



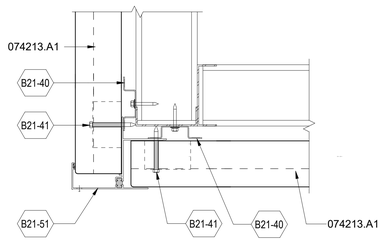
B7 SECTION - PARAPET

3" = 1'-0" REF FROM: F5 / 01-AE202



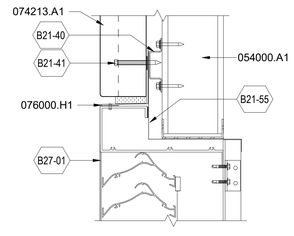
C2 SECTION - SYSTEM WRAP AT BASE

1 1/2" = 1'-0" REF FROM: C5 / 01-AE418



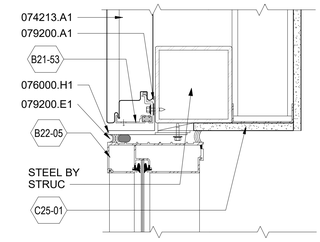
C4 SECTION - SOFFIT AT EDGE

3" = 1'-0" REF FROM: F5 / 01-AE202



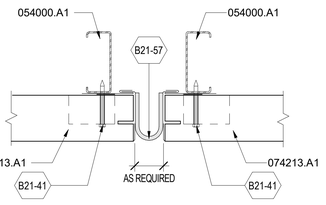
C5 SECTION - LOUVER HEAD DETAIL

3" = 1'-0" REF FROM: 1 / 01-AE601



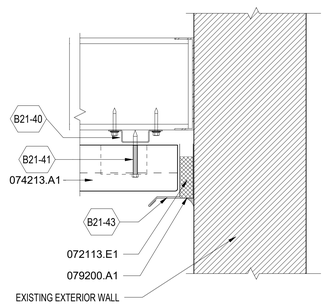
C7 SECTION - OPENING AT HEAD

3" = 1'-0" REF FROM: 1 / 01-AE601



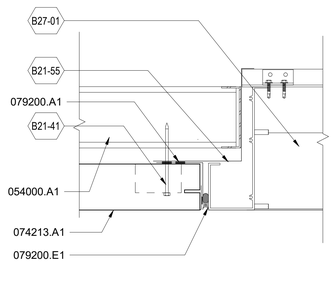
E2 PLAN - EXPANSION JOINT

3" = 1'-0"



E4 SECTION - SOFFIT AT END WALL

3" = 1'-0" REF FROM: F3 / 01-AE203



E5 SECTION - LOUVER JAMB DETAIL

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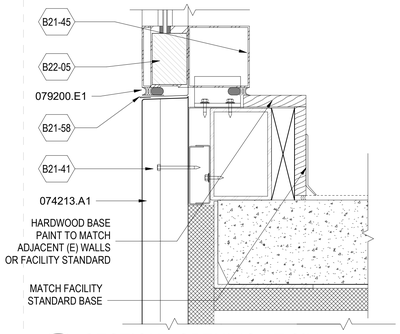
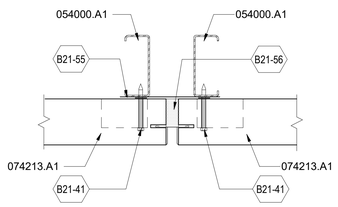


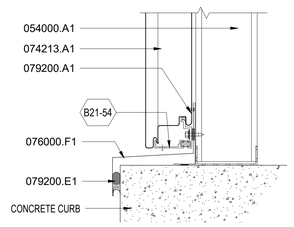
E7 SECTION - OPENING AT SILL

3" = 1'-0" REF FROM: 1 / 01-AE601



F2 PANEL - VERTICAL JOINT

3" = 1'-0" REF FROM: F5 / 01-AE202



F7 SECTION - BASE AT CURB

3" = 1'-0" REF FROM: F5 / 01-AE202

REFERENCE KEYNOTES

054000.A1	COLD-FORMED METAL FRAMING, WALL FRAMING, STEEL STUDS
061000.L1	BLOCKING
072113.E1	INSULATION, MINERAL WOOL
074213.A1	INSULATED METAL WALL PANEL
075423.A2	TPO REINFORCED MEMBRANE
076000.F1	THROUGH-WALL FLASHING
076000.H1	COUNTERFLASHING, ONE-PIECE
079200.A1	SEALANT, EXTERIOR
079200.E1	SEALANT AND BACKER ROD

SHEET KEYNOTES

B21-40	SUBGIRT WITH FASTENERS, INSTALLED PER MANUFACTURER
B21-41	FASTENER AS PER MANUFACTURER
B21-43	CONTINUOUS PRE-FINISHED METAL FLASHING AND CLEAT
B21-44	PANEL CLIP ANCHOR AND FASTENER AS PER MANUFACTURER
B21-45	PER-FINISHED METAL SILL TRIM
B21-46	PANEL CLOSURE FLASH AND FASTENER PER MANUFACTURER
B21-50	PANEL COPING EXTRUSION BY MANUFACTURER
B21-51	SOFFIT EXTRUSION WITH WEEPS BY MANUFACTURER
B21-53	HEAD EXTRUSION WITH WEEPS BY MANUFACTURER
B21-54	BASE EXTRUSION WITH WEEPS BY MANUFACTURER
B21-55	PANEL BACKER FLASH AT JOINT PER MANUFACTURER
B21-56	SEALANT, FILL JOINT PER MANUFACTURER
B21-57	FLEXIBLE EXPANSION FLASH BY MANUFACTURER
B21-58	CLOSURE FLASH PER MANUFACTURER
B22-05	WINDOW AS SCHEDULED
B27-01	PRE-FINISHED METAL EXTERIOR LOUVER
C25-01	GYPSUM BOARD AT UNDERSIDE OF JOISTS, WHERE OCCURS

3" = 1'-0" SCALE 3 0 3 6 9 INCH

1-1/2" = 1'-0" SCALE 12 0 12 INCH

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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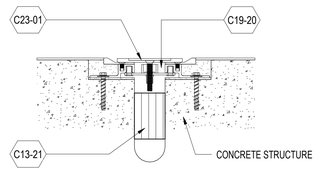
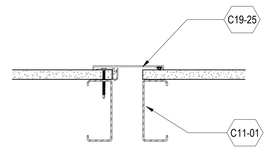
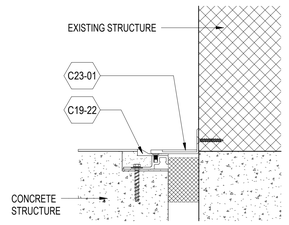


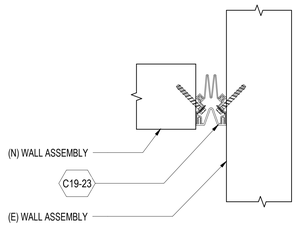
B1 JOINT - FLOOR TO FLOOR
3" = 1'-0" REF FROM: E4 / 01-AE423.2



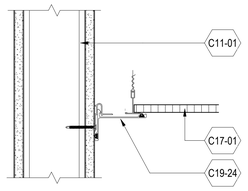
B4 JOINT - GYSUM WALL BOARD PARTITION
3" = 1'-0" REF FROM: E4 / 01-AE423.2



B6 JOINT - FLOOR TO EXISTING WALL
3" = 1'-0" REF FROM: C5 / 01-AE420



D1 JOINT - FACADE WALL TO EXISTING WALL
3" = 1'-0" REF FROM: F3 / 01-AE202



D4 JOINT - ACT CEILING AT GYSUM WALL BOARD PARTITION
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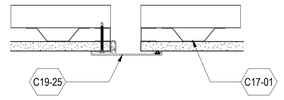
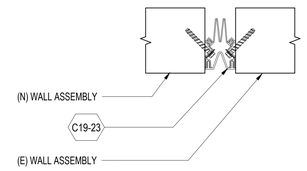
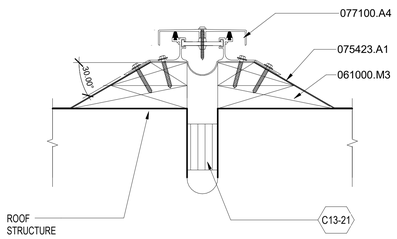


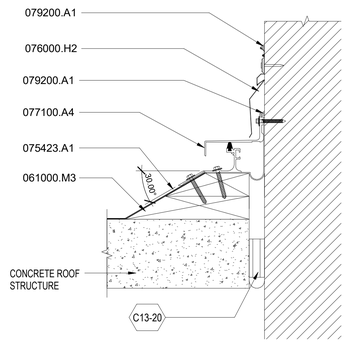
D6 JOINT - GYPSUM WALL BOARD CEILING
3" = 1'-0"



F1 JOINT - FACADE WALL TO WALL
3" = 1'-0" REF FROM: F5 / 01-AE202



F4 JOINT - ROOF
3" = 1'-0" REF FROM: C5 / 01-AE428



F6 JOINT - ROOF TO WALL
3" = 1'-0" REF FROM: C5 / 01-AE428

REFERENCE KEYNOTES

061000.M3	NAILER, FIRE RETARDANT TREATED, DOUBLE 2x
075423.A1	ROOFING SYSTEM
076000.H2	COUNTERFLASHING, TWO-PIECE
077100.A4	EXTRUDED ALUMINUM ROOF EXPANSION JOINT COVERS
079200.A1	SEALANT, EXTERIOR

SHEET KEYNOTES

C11-01	INTERIOR NON-BEARING WALL (GYPSUM BOARD, ON METAL STUDS, SEE WALL TYPE PLAN, SHEET AE520)
C13-20	1-HOUR RATED FIREPROOFING SYSTEM
C13-21	2-HOUR RATED FIREPROOFING SYSTEM
C17-01	CEILING AS SCHEDULED
C19-20	FLOOR TO FLOOR EXPSNSION JOINT ASSEMBLY, INSTALL PER MANUFACTURER REQUIREMENTS.
C19-22	2-HOUR RATED FLOOR TO MASONRY WALL EXPANSION JOINT ASSEMBLY, INSTALL PER MANUFACTURER REQUIREMENTS.
C19-23	1-HOUR RATED WALL TO WALL EXPANSION JOINT ASSEMBLY. INSTALL PER MANUFACTURER REQUIREMENTS.
C19-24	ACT CEILING TO GYPSUM WALL BOARD PARTITION EXPANSION JOINT ASSEMBLY, INSTALL PER MANUFACTURER REQUIREMENTS.
C19-25	GYPSUM WALL BOARD CEILING EXPANSION JOINT ASSEMBLY, INSTALL PER MANUFACTURER REQUIREMENTS.
C23-01	FLOORING AS SCHEDULED

3" = 1'-0" SCALE 3 0 3 6 9 INCH

Revisions:	Date:

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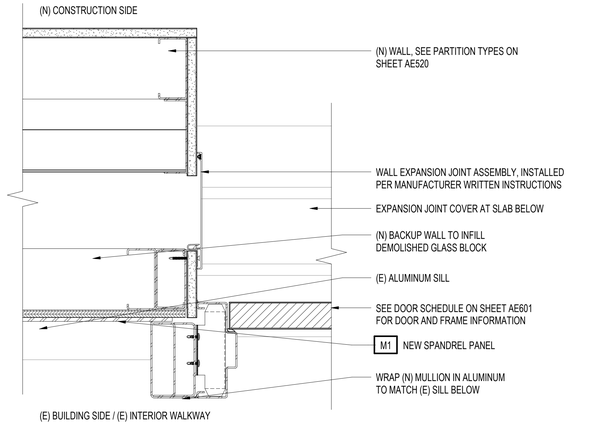
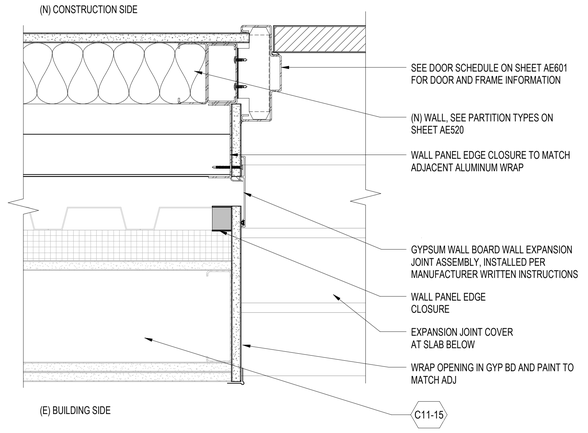


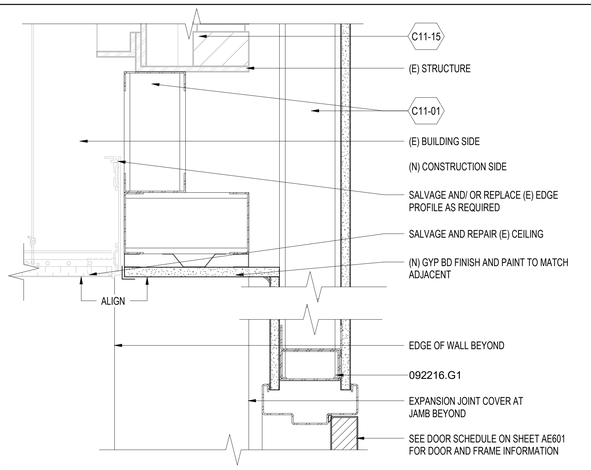
B1 HMF - JAMB @ ALUMINUM SPANDREL PANEL

3" = 1'-0" REF FROM: F1 / 01-AE420



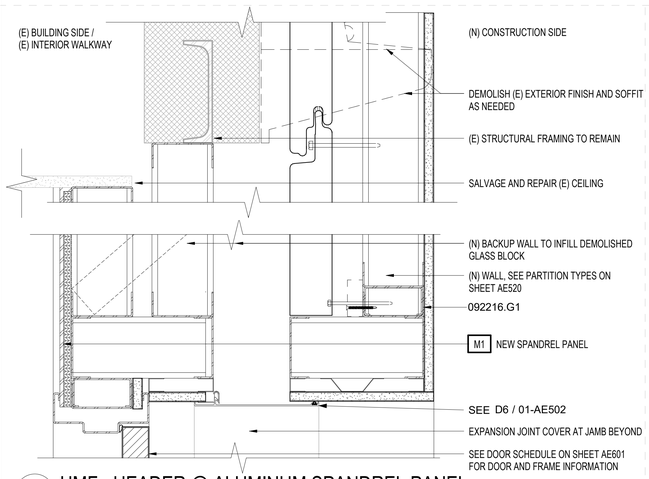
B3 HMF - JAMB @ ELEVATOR LOBBY OPENING

3" = 1'-0"



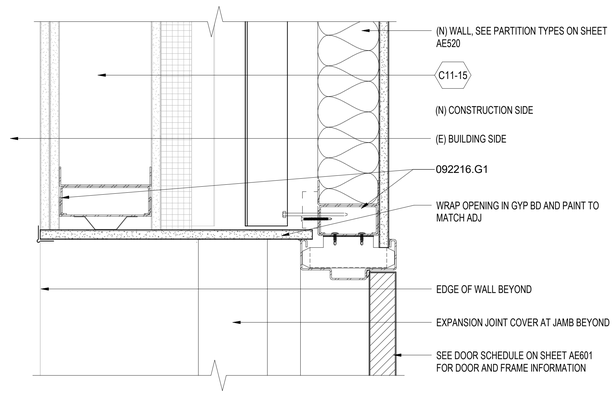
B6 HMF - HEADER @ EXISTING MASONRY WALL

3" = 1'-0"



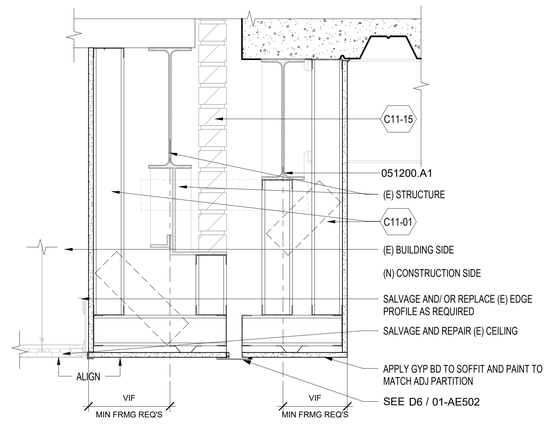
D1 HMF - HEADER @ ALUMINUM SPANDREL PANEL

3" = 1'-0" REF FROM: F1 / 01-AE420



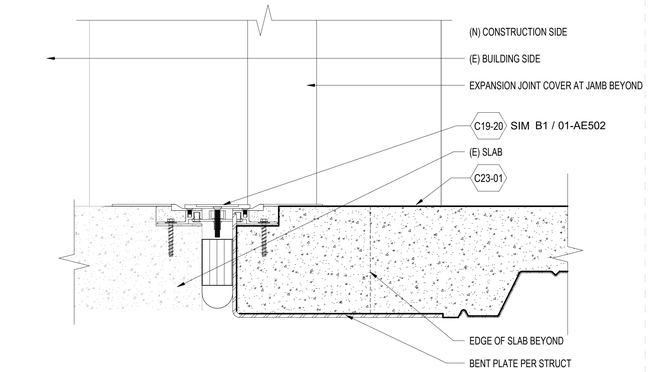
D3 HMF - HEADER @ ELEVATOR LOBBY OPENING

3" = 1'-0"



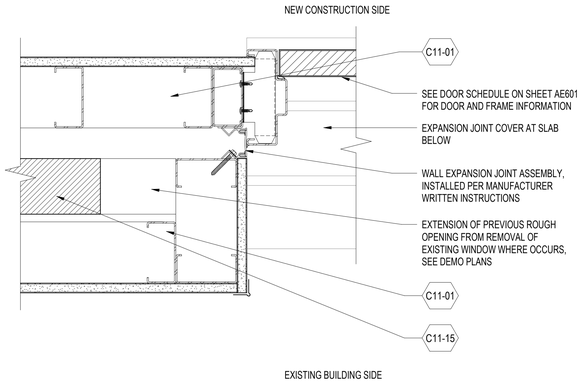
D6 FURRED OUT STRUCTURE - SOFFIT FLUSH TO EXISTING

1 1/2" = 1'-0" REF FROM: F1 / 01-AE424.3



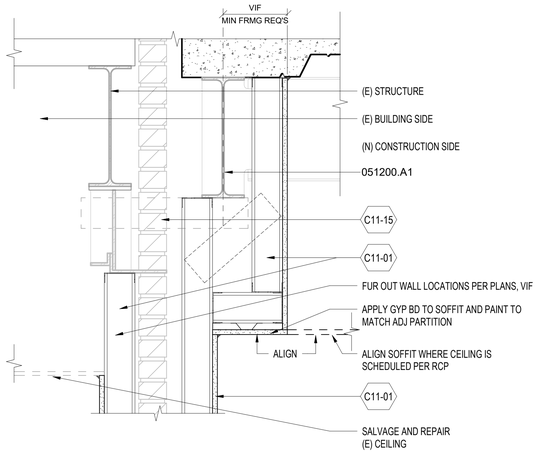
F1 HMF - THRESHOLD @ SLAB EXTENSION

3" = 1'-0" REF FROM: C5 / 01-AE421



F3 HMF - JAMB @ EXISTING MASONRY WALL

3" = 1'-0"



F6 FURRED OUT WALL - SOFFIT FLUSH TO EXISTING

1 1/2" = 1'-0" REF FROM: F5 / 01-AE421

REFERENCE KEYNOTES

051200.A1	STRUCTURAL STEEL FRAMING, W-SHAPES, SEE STRUCTURAL DRAWINGS
092216.G1	NON-STRUCTURAL METAL FRAMING, HEADER

SHEET KEYNOTES

C11-01	INTERIOR NON-BEARING WALL (GYPSUM BOARD, ON METAL STUDS, SEE WALL TYPE PLAN, SHEET AE520)
C11-15	EXISTING WALL
C19-20	FLOOR TO FLOOR EXPSNSION JOINT ASSEMBLY, INSTALL PER MANUFACTURER REQUIREMENTS.
C23-01	FLOORING AS SCHEDULED

3" = 1'-0" SCALE 3 0 3 6 9 INCH

1-1/2" = 1'-0" SCALE 12 0 12 INCH

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Building Number: 1
		Issue Date: 06.13.2025 / Checked / Drawn	Drawing Number: 01-AE503
			SHEET 213 of 797

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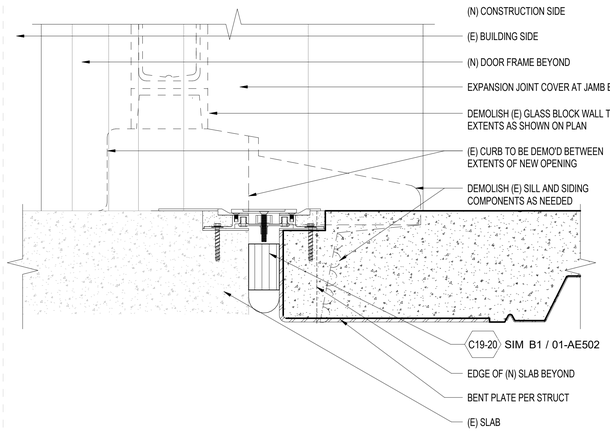
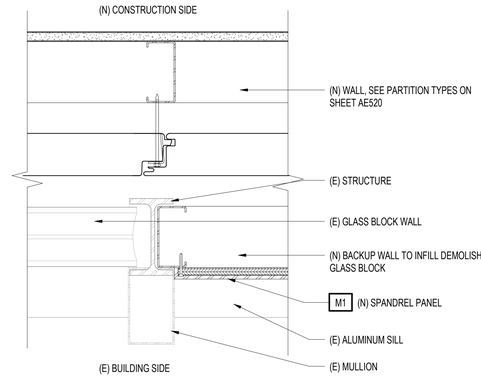
VA FORM 08 - 6231



B6 HMF - THRESHOLD @ ELEVATED WALKWAY OPENING
3" = 1'-0" REF FROM: C5 / 01-AE420



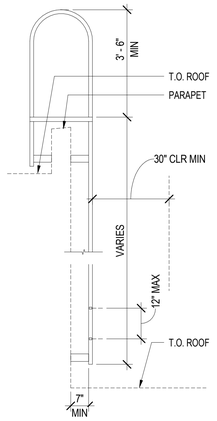
D6 HMF - JOINT AT EXISTING GLASS BLOCK AND PROPOSED SPANDREL
3" = 1'-0" REF FROM: F1 / 01-AE420

REFERENCE KEYNOTES

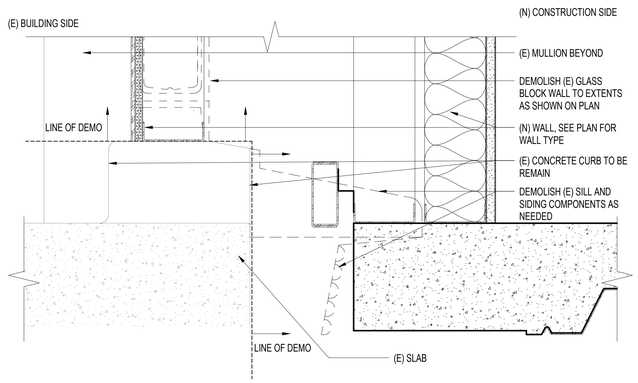
051200.G1 STRUCTURAL STEEL FRAMING, HOLLOW STRUCTURAL SECTIONS, SEE STRUCTURAL DRAWINGS

SHEET KEYNOTES

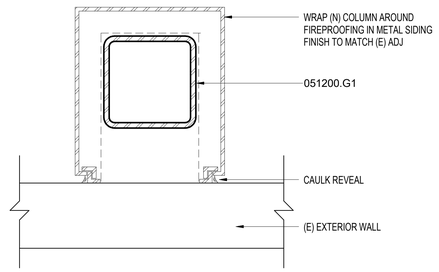
C19-20 FLOOR TO FLOOR EXPSNSION JOINT ASSEMBLY, INSTALL PER MANUFACTURER REQUIREMENTS.



F1 SAFETY LADDER
1/2" = 1'-0"



F3 FLOOR TO WALL DETAIL AT DEMOLISHED GLASS BLOCK WALL
3" = 1'-0" REF FROM: F1 / 01-AE420



F6 NEW COLUMN IN EXISTING WALL
3" = 1'-0" REF FROM: C5 / 01-AE418

3 0 3 6 9
3" = 1'-0" SCALE INCH

12 0 12
1-1/2" = 1'-0" SCALE INCH

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

AWEN SOLUTIONS GROUP
ARCHITECTURE | ENGINEERING | PLANNING

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JESSE H. KLOW No. RA407041

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS	Project Number: 646-22-700
			Building Number: 1
Approved:	FULLY SPRINKLERED	Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240	Drawing Number: 01-AE504
		Issue Date: 06.13.2025 / Checked / Drawn	SHEET 214 of 797

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VA FORM 08 - 6231

DOOR SCHEDULE

FLOOR	MARK	FROM	TO	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	(E) DEPTH	FRAME TYPE	FRAME MATERIAL	FIRE RATING	HW NO	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	COMMENT
Basement																
Basement	BC101	CORRIDOR (CBW1)	PBX RM (BC101TR)	F	5' - 0"	7' - 0"	HM		1	HM		SH9	B5 / AE523	D5 / AE523	F5 / AE523	
Basement	BW106D	STO (BW106B)	NEW TR (BW106B)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
Ground Floor																
Ground Floor	AA162	CORRIDOR (CAA4)	DATA CLOSET (AA162)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
Ground Floor	AN306A	OFFICE (AN305A.8)	TELECOM (AN306A)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
Ground Floor	CA224C	CORRIDOR (AW127A)	NEW TR (CA224C)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
Ground Floor	GG108	VESTIBULE & RAMP (GG109)	NEW TR (GG108)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
1st Floor																
1st Floor	1A243	CORRIDOR (C1-22)	NURSE MGR (1A243)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
1st Floor	1G111	VESTIBULE (1A101L)	NEW TR (1G111)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
1st Floor	1G111TR	VESTIBULE (1A101L)	NEW TR (1G111TR)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
1st Floor	1M195A	CORRIDOR (1MC106)	TELECOM (1M195A)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
1st Floor	1N200	OPEN AIR	MECHANICAL (1N200)	F	3' - 6"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	MATCH EXISTING DOOR FINISHES
1st Floor	1N301	ELEVATOR LOBBY (1N145)	NEW TR (1N301)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F5 / AE523	
1st Floor	1W121	CORRIDOR (1W177)	IT (1W121)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
2nd Floor																
2nd Floor	2M275A	ILLUSTRATOR WORKROOM (2M280)	TELECOM (2M275A)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
2nd Floor	2N301	CORRIDOR (C2N1)	NEW TR (2N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	D1 / AE503	B1 / AE503	B6 / AE504	
2nd Floor	2W110D	CORRIDOR (C2W5B)	TELECOM (2W110D)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
3rd Floor																
3rd Floor	3A110	CORRIDOR (C3A4)	IT (3A110)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
3rd Floor	3M150	GROUP (3M127)	TELECOM (3M150)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
3rd Floor	3N300	OFFICE (3N152)	ELEC (3N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	B6 / AE503	F3 / AE503	F1 / AE503	
3rd Floor	3N301	ELEC (3N300)	NEW TR (3N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
4th Floor																
4th Floor	4A02	CORRIDOR (C4)	TELECOM (4A02)	F	3' - 0"	7' - 0"	HM		1	HM	90 MIN	SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
4th Floor	4M150	GROUP (4M127)	TELECOM (4M150)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
4th Floor	4N300	ELEVATOR LOBBY (4N124A)	CORRIDOR (4N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
4th Floor	4N301	CORRIDOR (4N300)	NEW TR (4N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
4th Floor	4N302	CORRIDOR (4N300)	UTILITY (4N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
4th Floor	4N303	CORRIDOR (4N300)	ELEC (4N303)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
4th Floor	4W137TR	CORRIDOR (C4W3)	NEW TR (4W137TR)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
5th Floor																
5th Floor	5M150	CORRIDOR (5MC105)	TELECOM (5M150)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
5th Floor	5N101	CORRIDOR (C5C4)	COMPUTER ROOM (5N101)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
5th Floor	5N101A	DIST (5N108)	COMP (5N101B)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B5 / AE523	D5 / AE523	F5 / AE523	
5th Floor	5N301	CORRIDOR (C5C4)	DATA CENTER (5N301)	F	6' - 0"	7' - 0"	HM		1	HM	45 MIN	SH9	B7 / AE523	D7 / AE523	F5 / AE523	
5th Floor	5N301A	COMPUTER ROOM (5N101)	DATA CENTER (5N301)	F	3' - 0"	7' - 0"	HM		HM	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
5th Floor	5W200	CORRIDOR (C5A01)	NEW TR (5W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
5th Floor	5W201	CORRIDOR (C5A01)	ELEC (5W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
6th Floor																
6th Floor	6N300	ELEVATOR LOBBY (6N100)	UNASSIGNED (6N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
6th Floor	6N301	UNASSIGNED (6N300)	NEW TR (6N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
6th Floor	6N302	UNASSIGNED (6N300)	UTILITY (6N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
6th Floor	6W200	CORRIDOR (C6W1)	NEW TR (6W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
6th Floor	6W201	CORRIDOR (C6W1)	UTILITY (6W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
6th Floor	6W202	CORRIDOR (C6W1)	ELEC (6W202)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
7th Floor																
7th Floor	7N300	ELEVATOR LOBBY (7N101A)	UNASSIGNED (7N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
7th Floor	7N301	UNASSIGNED (7N300)	NEW TR (7N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
7th Floor	7N302	UNASSIGNED (7N300)	UTILITY (7N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
7th Floor	7W200	CORRIDOR (C7W1)	NEW TR (7W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
7th Floor	7W201	CORRIDOR (C7W1)	UTILITY (7W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
7th Floor	7W202	CORRIDOR (C7W1)	UNASSIGNED (7W202)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
8th Floor																
8th Floor	8N300	ELEVATOR LOBBY (8N102A)	UNASSIGNED (8N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
8th Floor	8N301	UNASSIGNED (8N300)	NEW TR (8N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
8th Floor	8N302	UNASSIGNED (8N300)	ELEC (8N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
8th Floor	8W200	CORRIDOR (C8W1)	NEW TR (8W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
8th Floor	8W201	CORRIDOR (C8W1)	UTILITY (8W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
8th Floor	8W202	CORRIDOR (C8W1)	UNASSIGNED (8W202)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
9th Floor																
9th Floor	9N300	ELEVATOR LOBBY (9N101C)	UNASSIGNED (9N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
9th Floor	9N301	UNASSIGNED (9N300)	NEW TR (9N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
9th Floor	9N302	UNASSIGNED (9N300)	ELEC (9N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
9th Floor	9W200	CORRIDOR (C9W1)	NEW TR (9W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
9th Floor	9W201	CORRIDOR (C9W1)	UTILITY (9W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
9th Floor	9W202	CORRIDOR (C9W1)	UNASSIGNED (9W202)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
10th Floor																
10th Floor	10N300	ELEVATOR LOBBY (10N101C)	UNASSIGNED (10N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
10th Floor	10N301	UNASSIGNED (10N300)	NEW TR (10N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
10th Floor	10N302	UNASSIGNED (10N300)	ELEC (10N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
10th Floor	10W200	CORRIDOR (C10W1)	NEW TR (10W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
10th Floor	10W201	CORRIDOR (C10W1)	UTILITY (10W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
10th Floor	10W202	CORRIDOR (C10W1)	UNASSIGNED (10W202)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
11th Floor																
11th Floor	11N300	ELEVATOR LOBBY (11N103A)	UNASSIGNED (11N300)	F	3' - 0"	7' - 0"	HM		1	HM	20 MIN	SH3D	D3 / AE503	B3 / AE503	F1 / AE503	
11th Floor	11N301	UNASSIGNED (11N300)	NEW TR (11N301)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
11th Floor	11N302	UNASSIGNED (11N300)	ELEC (11N302)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
11th Floor	11W200	CORRIDOR (C11W1)	NEW TR (11W200)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
11th Floor	11W201	CORRIDOR (C11W1)	UTILITY (11W201)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	
11th Floor	11W202	CORRIDOR (C11W1)	UNASSIGNED (11W202)	F	3' - 0"	7' - 0"	HM		1	HM		SH3D	B7 / AE523	D7 / AE523	F5 / AE523	

LEGEND:

F - FLUSH DOOR	W.G. - WIRE GLASS
FF - FACTORY FINISH	STL - STEEL
FG - FLUSH DOOR WITH GLAZING	ALUM - ALUMINUM
N - FLUSH DOOR WITH GLAZING	PRE-FIN - PREFINISHED
GL - GLAZING	FIB - FIBERGLASS
HM - HOLLOW METAL	WD - WOOD
T.G. - TEMPERED GLASS	

GENERAL NOTES:

1. ALL DOORS SHALL BE 1 3/4" THICK, UNLESS OTHERWISE NOTED.
2. ALL DOORS SHALL BE FLUSH TOPS AND BOTTOMS, UNLESS OTHERWISE NOTED.
3. ALL DOOR & FRAMES SHALL BE REINFORCED FOR HARDWARE
4. ALL FRAMES SHALL BE SECURED IN WALL TO PREVENT MOVEMENT IN FRAME OR PANEL.
5. REFER TO SPECIFICATIONS FOR ALL HARDWARE SET INFORMATION.
6. COORDINATE FIRE RATED HARDWARE REQUIREMENTS WITH ALL DOOR IDENTIFIED HEREIN WITH FIRE RATING.
7. CONTRACTOR SHALL VERIFY ALL DOOR AND DOOR FRAME DIMENSIONS PRIOR TO ISSUING SUBMITTAL.
8. DOOR CLOSERS ARE REQUIRED AT ALL TR'S AND DATA CENTER.
9. DOOR HARDWARE SUBCONTRACTOR SHALL FIELD VERIFY COMPATIBILITY OF SPECIFIED HARDWARE WITH EXISTING CONDITIONS (DOOR & FRAME TYPE, SWING, EXISTING HARDWARE PREP) PRIOR TO SUBMITTING HARDWARE SCHEDULE FOR VA/ARCHITECT REVIEW AND SHALL ADVISE OF ANY CONFLICTS AND PROPOSE SOLUTIONS.
10. EXISTING DOOR OPENING WIDTHS TO BE FIELD VERIFIED PRIOR TO SUBMITTING VA/ARCHITECT REVIEW AND SHALL ADVISE OF ANY CONFLICTS AND PROPOSE SOLUTIONS.

ABBREVIATIONS USED IN DOOR AND ROOM FINISH SCHEDULES:

ACT	ACOUSTICAL CEILING TILE
ADO	AUTOMATIC DOOR OPERATOR
CLR	COLOR
CONC FLR	CONCRETE FLOOR
EFTR	EXISTING FINISH TO REMAIN
EPY	EPOXY FLOORING
EX	EXISTING
EXP	EXPOSED
ESD	ELECTROSTATIC DISCHARGE FLOORING
FIN	FINISH
GWB	GYPSUM WALLBOARD SYSTEMS
HM	HOLLOW METAL
HT	HEIGHT
HW	HARDWARE SET (FINISH OR BUILDER'S HARDWARE)
LINO	LINOLEUM
MATL	MATERIAL
NO	NUMBER
NR	NON-RATED
P	PAINT (EXTERIOR AND INTERIOR; TRANSPARENT, SEMI-TRANSPARENT, AND OPAQUE FINISHES)
PLYWD	PLYWOOD
PR	PAIR
PRB	PROFILE BASE
RB	RESILIENT BASE (RUBBER OR VINYL WITH FACTORY FORMED INSIDE AND OUTSIDE CORNERS)
RWC	RIGID VINYL WALL COVERING (WALL PROTECTION - ROLL OR SHEET)
SGL	SINGLE
SS	STAINLESS STEEL
SDT	STATIC DISSIPATIVE TILE

DOOR TYPES

F

FRAME TYPES

1

PLAN INDICATION

SINGLE OPENING

WINDOW TYPES

W

HATCH TYPES

RH

LOUVER TYPES

LV

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: DOOR SCHEDULE AND DIAGRAMS

Approved:

Phase: FINAL BID DOCUMENTS

FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS

Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240

Issue Date: 06.13.2025 | Checked | Drawn

Project Number: 646-22-700

Building Number: 1

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VA FORM 08 - 6231

ROOM SCHEDULE - BLDG 1 & 29

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	E FIN	E MATL	E MATL 2	N FIN	N MATL	N MATL 2	S FIN	S MATL	S MATL 2	W FIN	W MATL	W MATL 2	CEILING FINISH	Remarks
Basement																	
BC101TR	NEW TR AREA	SDT	RB	-	-	-	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
BW106B	STO	EX	RB	EX	EX GWB	-	P	GWB / EX GWB	-	EX	EX GWB	-	P	GWB / EX GWB	-	EXISTING	
BW106D	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
Ground Floor																	
AA162	DATA CLOSET	SDT	RB	P	EX BRICK	PLYWD	P	EX GWB	PLYWD	P	EX BRICK	PLYWD	P	EX GWB	PLYWD	OPEN TO STRUCTURE (EXISTING)	
AN306A	TELECOM	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE (EXISTING)	
CA224C	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
CAN31A	ELEVATOR LOBBY	EX	RB / EX RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
GG108	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE (EXISTING)	
1st Floor																	
1A122B	OFFICE	EX	RB / EX RB	P	EX GWB / GWB	-	EX	EX	-	EX	EX	-	EX	EX	-	EXISTING	NEW CHASE WALL IN SPACE
1A243	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
1G111	STOR.	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE (EXISTING)	
1G111TR	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
1M195A	TELECOM	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
1N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
1W121	IT	SDT	RB	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	OPEN TO STRUCTURE	
2nd Floor																	
2M275A	TELECOM	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
2N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
2W110D	TELECOM	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
3rd Floor																	
3A110	IT	SDT	RB	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	OPEN TO STRUCTURE	
3M150	TELECOM	SDT	RB	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	OPEN TO STRUCTURE (EXISTING)	
3N300	ELEC	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
3N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
C3N1	MECH	CONC FLR	RB	P	GWB	-	P	GWB	-	EX	EX	-	P	GWB	-	OPEN TO STRUCTURE	
4th Floor																	
4A02	TELECOM	SDT	RB	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	P	EX GWB	PLYWD	OPEN TO STRUCTURE (EXISTING)	
4M150	TELECOM	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
4N300	CORRIDOR	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
4N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
4N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
4N303	ELEC	CONC FLR	RB													OPEN TO STRUCTURE	
4W137TR	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
C4W3A	ALCOVE	EX	-	-	-	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
5th Floor																	
5M150	TELECOM	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE (EXISTING)	
5N101A	COMP	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
5N108	DISTR	EX	-	P	GWB	-	P	EX GWB	-	P	EX GWB	-	P	EX GWB	-	OPEN TO STRUCTURE	
5N301	DATA CENTER	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
5W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
5W201	ELEC	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
C5A01	CORRIDOR	CONC FLR	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	ACT	
6th Floor																	
6N300	CORRIDOR	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
6N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
6N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	PLYWD	OPEN TO STRUCTURE	
6W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
6W201	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
6W202	ELEC	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
C6W1	CORRIDOR	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
7th Floor																	
7N300	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
7N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
7N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
7W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
7W201	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	=	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
7W202	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
C7W1	CORRIDOR	LINO (MATCH EXISTING)	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
8th Floor																	
8N300	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
8N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
8N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
8W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
8W201	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
8W202	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	=	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
9th Floor																	
9N300	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
9N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
9N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
9W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
9W201	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
9W202	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
C9W1	CORRIDOR	LINO (MATCH EXISTING)	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	

ROOM SCHEDULE - BLDG 1 & 29

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	E FIN	E MATL	E MATL 2	N FIN	N MATL	N MATL 2	S FIN	S MATL	S MATL 2	W FIN	W MATL	W MATL 2	CEILING FINISH	Remarks
10th Floor																	
10N300	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
10N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
10N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
10W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
10W201	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
10W202	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
C10W1	CORRIDOR	LINO (MATCH EXISTING)	RB	P	GWB	-	P	GWB	=	P	GWB	-	P	GWB	-	ACT	
11th Floor																	
11N300	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	ACT	
11N301	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
11N302	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
11W200	NEW TR	SDT	RB	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	P	GWB	PLYWD	OPEN TO STRUCTURE	
11W201	UTILITY	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	
11W202	UNASSIGNED	CONC FLR	RB	P	GWB	-	P	GWB	-	P	GWB	-	P	GWB	-	OPEN TO STRUCTURE	

ABBREVIATIONS USED IN DOOR AND ROOM FINISH SCHEDULES:

ACT	ACOUSTICAL CEILING TILE
ADO	AUTOMATIC DOOR OPERATOR
CLR	COLOR
CONC FLR	CONCRETE FLOOR
EFTR	EXISTING FINISH TO REMAIN
EPY	EPOXY FLOORING
EX	EXISTING
EXP	EXPOSED
ESD	ELECTROSTATIC DISCHARGE FLOORING
FIN	FINISH
GWB	GYPSUM WALLBOARD SYSTEMS
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HT	HEIGHT
HW	HARDWARE SET (FINISH OR BUILDER'S HARDWARE)
LINO	LINOLEUM
MATL	MATERIAL
NO	NUMBER
NR	NON-RATED
P	PAINT (EXTERIOR AND INTERIOR; TRANSPARENT, SEMI-TRANSPARENT, AND OPAQUE FINISHES)
PLYWD	PLYWOOD
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RWC	RIGID VINYL WALL COVERING (WALL PROTECTION - ROLL OR SHEET)
SGL	SINGLE
SS	STAINLESS STEEL
SDT	STATIC DISSIPATIVE TILE

UON IF A ROOM IS DECOMMISSIONED IT IS TO BE TO A "VANILLA" FINISH LEVEL:

WALLS ARE FINISHED AND PRIMED OR PAINTED TO FACILITY STANDARD PER VA DIRECTION.
FLOORS ARE FINISHED OR AT LEAST CONCRETE.
ALL EXISTING UTILITIES REMAIN STUBBED TO PREMISES AND CAPPED AS NECESSARY.
CEILINGS ARE FINISHED WITH BASIC LIGHTING.
LIGHTING CONTROLS ARE CONNECTED TO EXISTING SYSTEM.
EXISTING DOORS TO REMAIN AS IS.
EXISTING SECURITY TO REMAIN AS IS.
EXISTING SPRINKLER SYSTEM AS IS.

ADDITIONAL NOTES:
WHERE (N) PLYWD WALL CLADDING IS INDICATED, FINISH TO COVER F.F. TO B.O. DECK ABOVE.
WHERE (E) TELEPHONE BACKER BOARDS ARE PRESENT WITH EQUIPMENT TO REMAIN, THESE AREAS TO REMAIN IN PLACE AND (N) PLYWD TO FILL IN AROUND EXISTING.
(N) ACT CEILING TO BE CENTERED IN AREA INSTALLED UON. WHERE ADJACENT TO (E) ACT ALIGN GRIDS TO ADJACENT (E) ACT.

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Revisions: | Date:

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: ROOM FINISH SCHEDULE
Approved:
Phase: FINAL BID DOCUMENTS
FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES - VAPHS UNIVERSITY DRIVE CAMPUS
Location: UNIVERSITY DRIVE PITTSBURGH, PA 15240
Issue Date: 06.13.2025 | Checked | Drawn
Project Number: 646-22-700
Building Number: 1
Drawing Number: 01-AE602

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