U.S. Department of Veterans Affairs

EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI

PROJECT NUMBER - 695-21-700

FINAL BID DOCUMENTS
SEPTEMBER 5, 2025

GENERAL NOTES

1. THESE DRAWINGS SHALL BE USED ONLY FOR THIS SPECIFIC PROJECT/SITE LOCATION. THESE DRAWINGS ARE A COMPOSITE SET OF CONTRACT DOCUMENTS AND SHALL NOT BE SEPARATED FOR DISTRIBUTION. THE GC SHALL REVIEW ALL DRAWINGS AND PROVIDE/DISTRIBUTE THE ENTIRE SET TO EACH SUBCONTRACTOR.
2. THE GC SHALL VISIT THE SITE TO INSPECT EXISTING CONDITIONS AND VERIFY WORK BEING PERFORMED BEFORE SUBMITTING COST QUOTATIONS FOR WORK.
3. NOTIFY THE ARCHITECT PROMPTLY OF ANY ERRORS, OMISSIONS, INCONSISTENCIES, DISCREPANCIES AND CONFLICTS WITHIN THE CONTRACT DOCUMENTS AND ITS ASSOCIATED FIELD/PROJECT CONDITIONS SO THAT A RESOLUTION CAN BE PROVIDED PRIOR TO CONTINUING WITH WORK.
4. DO NOT SCALE THE DRAWINGS. REQUEST ANY MISSING DIMENSIONS FROM THE ARCHITECT
5. ALL WORK PERFORMED SHALL BE IN STRICT COMPLIANCE WITH GOVERNING FEDERAL, STATE AND LOCAL BUILDING CODE REQUIREMENTS. SHALL BE EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS, AND SHALL CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE OWNER, THE ARCHITECT, AND THE AUTHORITIES HAVING JURISDICTION. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY FEES ASSOCIATED WITH PROCURING SUCH PERMITS AND CERTIFICATES AND SHALL FURNISH COPIES OF PERMITS, INSPECTIONS, AND CERTIFICATES TO THE OWNER.
6. THE GENERAL CONTRACTOR SHALL COORDINATE ALL WORK TO MINIMIZE DISRUPTION OF OF ANY EXISTING TENANTS OR BUILDING OPERATIONS. THE GENERAL CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT BUILDING OCCUPANTS, MATERIALS, AND EXISTING CONSTRUCTION THROUGHOUT ALL PHASES OF CONSTRUCTION. DAMAGE TO EXISTING-TO-REMAIN CONSTRUCTION OR EQUIPMENT SHALL BE RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
7. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE JOB SITE ON A DAILY BASIS.
8. ANY REQUESTS FOR SUBSTITUTIONS OF ANY SPECIFIED ITEM ARE TO BE SUBMITTED TO THE ARCHITECT IN WRITING AND WILL BE CONSIDERED ONLY IF THE ALTERNATE PROPOSED IS PROVEN TO BE ADVANTAGEOUS TO THE OWNER WITH RESPECT TO DELIVERY DATE, QUALITY, OR COST.
9. THE MEANS AND METHODS OF CONSTRUCTION, AND TEMPORARY STRUCTURES AND FACILITIES, ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE ARCHITECT DOES NOT ASSUME ANY RESPONSIBILITY FOR THE CONTRACTOR'S MEANS AND METHODS OR FOR TEMPORARY STRUCTURES.
10. DEMOLITION OF EXISTING STRUCTURES IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL EMPLOY ENGINEERING EXPERTISE AS NEEDED TO ASSIST IN DEMOLITION.
11. JOB SITE SAFETY AND SECURITY ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL CONSULT WITH LOCAL FIRE AUTHORITIES TO ASCERTAIN REQUIREMENTS FOR FIRE SUPPRESSION AND SAFETY DURING CONSTRUCTION. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR MEETING OSHA REGULATIONS DURING CONSTRUCTION.
12. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR STORAGE AND PROTECTION OF BUILDING MATERIALS, AND INSTALLED CONSTRUCTION, FROM INCLEMENT WEATHER, THEFT, AND OTHER HAZARDS. THE GC SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR STORAGE OF MATERIALS. PARTIALLY COMPLETED WALLS SHALL BE COVERED TO PROTECT FROM WATER INTRUSION. DAMAGE, INCLUDING BUT NOT LIMITED TO MOLD, RESULTING FROM WATER INTRUSION DURING CONSTRUCTION SHALL BE REPAIRED AT THE GENERAL CONTRACTOR'S EXPENSE.
13. IN THE CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.
14. EXECUTION OF THIS PROJECT WILL BE COORDINATED AND DELIVERED IN CLOSE COORDINATION WITH OTHER CONSULTANTS UNDER A SEPARATE CONTRACT.

ANNOTATION DRAWING SYMBOLS

- EXTERIOR ELEVATION — 1 / A101 — PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN; SIM; ELEVATION NUMBER
- INTERIOR ELEVATION — 1 / A101 — PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN
- SECTION — 1 / A101 — PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN
- ENLARGEMENT, DETAIL — 1 / A-101 — PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN
- SPOT ELEVATION
- Name Elevation — FLOOR LEVEL & NAME
- 1 OR 1 — SHEET KEYNOTE
- ROOM NAME / 101 — ROOM NAME / NUMBER
- 01 — WINDOW TYPE
- Ga5xFB1 — WALL TYPE
- 0 — GRID / COLUMN LINE DESIGNATOR
- 1i — EQUIPMENT NUMBER
- 101 — DOOR NUMBER
- REVISION TAG
- NORTH — NORTH ARROW WITH TRUE NORTH INDICATION
- ROOM / ROOM OCCUPANCY / 101 / 150 SF — ROOM OCCUPANCY & AREA
- EGRESS : EGRESS ID / Egress Length — EGRESS ROUTE ID AND SECTION LENGTH

BUILDING SUMMARY

PROJECT INFORMATION

PROJECT NAME: EHRM INFRASTRUCTURE UPGRADES - MILWAUKEE, WI

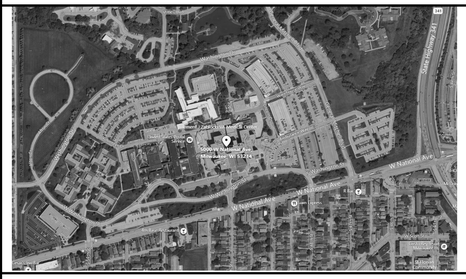
PROJECT NUMBER: 695-21-700

PROJECT LOCATION: CLEMENT J. ZABLOCKI DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER
5000 W NATIONAL AVE. MILWAUKEE, WI 53295

SCOPE OF WORK SUMMARY:

THE PROJECT WILL UPGRADE THE FACILITIES FIBER THROUGHOUT THE BUILDINGS TO EACH TELECOMMUNICATIONS ROOM, RELOCATION AND CONSOLIDATION OF A LIMITED NUMBER OF TELECOMMUNICATIONS ROOM, REMOVAL OF ABANDONED EQUIPMENT AND CABLING, PROVIDE A REDUNDANT FIBER RUN THROUGHOUT THE FACILITY TO EACH TELECOMMUNICATIONS ROOM, PROVIDE A NEW MAIN FIBER LINE COMING INTO THE BUILDING FROM THE PROVIDER POINT, INSTALL ADDITIONAL IT INFRASTRUCTURE THROUGHOUT THE FACILITY, PROVIDE ADDITIONAL OUTLETS IN EACH TELECOMMUNICATIONS ROOM, AND UPGRADE FACILITY POWER DISTRIBUTION AS REQUIRED.

VICINITY MAP



INDEX OF DRAWINGS

PROJECT DRAWING INDEX ON SHEET GI101

111-AE101

- BUILDING NUMBER
- DISCIPLINE:
  - A - ARCHITECTURE
  - C - CIVIL
  - E - ELECTRICAL
  - G - GENERAL
  - M - MECHANICAL
  - P - PLUMBING
  - T - TELECOMMUNICATIONS
- SHEET TYPE DESIGNATOR
- SHEET NUMBER WITHIN SERIES

PROJECT TEAM

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Revisions:	Date:
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65% DESIGN DEVELOPMENT SUBMISSION	6.15.21
65% DESIGN DEVELOPMENT RESUBMISSION	8.25.21
95% CONSTRUCTION DOCUMENTS	6.23.22
95% CONSTRUCTION DOCUMENTS RESUBMISSION	6.6.23

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STAMP

LICENSED ARCHITECT — REBECCA C. OLSON — 001.011034 — STATE OF ILLINOIS
9.5.2025

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

Drawing Title: GENERAL INFORMATION	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:		Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	Drawing Number: GI100

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SHEET #	SHEET TITLE
GENERAL	
GI100	GENERAL INFORMATION
GI101	SHEET INDEX
GI102	SHEET INDEX
GI103	ABBREVIATIONS & SYMBOLS
GI104	SITE PLAN REFERENCE & ARCHITECTURE ROOM SCHEDULE & PHASING NOTES
GI105	ABA INFORMATION
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GI110	CLASS IV ICRA DETAILS
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05-GC101	BUILDING 05 FIRST & SECOND FLOOR LIFE SAFETY PLAN
05-GC102	BUILDING 05 THIRD FLOOR LIFE SAFETY PLAN
06-GC101	BUILDING 06 FIRST FLOOR LIFE SAFETY PLAN
06-GC102	BUILDING 06 SECOND FLOOR LIFE SAFETY PLAN
06-GC103	BUILDING 06 THIRD FLOOR LIFE SAFETY PLAN
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107-GC101	BUILDING 107 MEZZANINE LIFE SAFETY PLAN
108-GC101	BUILDING 108 SECOND FLOOR LIFE SAFETY PLAN
109-GC101	BUILDING 109 BASEMENT FLOOR LIFE SAFETY PLAN
111-GC100	BUILDING 111 BASEMENT LIFE SAFETY PLAN
111-GC101	BUILDING 111 FIRST FLOOR LIFE SAFETY PLAN
111-GC102	BUILDING 111 SECOND FLOOR LIFE SAFETY PLAN
111-GC103	BUILDING 111 THIRD FLOOR LIFE SAFETY PLAN
111-GC104	BUILDING 111 FOURTH FLOOR LIFE SAFETY PLAN
111-GC105	BUILDING 111 FIFTH FLOOR LIFE SAFETY PLAN
111-GC106	BUILDING 111 SIXTH FLOOR LIFE SAFETY PLAN
111-GC107	BUILDING 111 SEVENTH FLOOR LIFE SAFETY PLAN
111-GC108	BUILDING 111 EIGHT FLOOR LIFE SAFETY PLAN
111-GC109	BUILDING 111 NINTH FLOOR LIFE SAFETY PLAN
111-GC110	BUILDING 111 TENTH FLOOR LIFE SAFETY PLAN
112-GC101	BUILDING 112 FIRST FLOOR LIFE SAFETY PLAN
113-GC101	BUILDING 113 GROUND FLOOR LIFE SAFETY PLAN
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147-GC100	BUILDING 147 BASEMENT FLOOR LIFE SAFETY PLAN
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100-CD102	EXISTING CONDITIONS AND DEMOLITION PLAN - BLDGS 3 & 4
100-CD103	EXISTING CONDITIONS AND DEMOLITION PLAN - BLDGS NRF & 150
100-CD104	EXISTING CONDITIONS AND DEMOLITION PLAN - SOUTHWEST POND
100-CD105	EXISTING CONDITIONS AND DEMOLITION PLAN - BLDGS 109 & 152
100-CD106	EXISTING CONDITIONS AND DEMOLITION PLAN - BLDGS 124 & 70
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100-CU101	FIBER BACKBONE
100-CU102	FIBER BACKBONE
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100-CU105	FIBER BACKBONE
100-CU106	FIBER BACKBONE
100-CU107	FIBER BACKBONE
100-CU108	FIBER BACKBONE
100-CU109	FIBER BACKBONE
100-CU110	FIBER BACKBONE
100-CU111	FIBER BACKBONE
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03-AE101	BUILDING 03 FIRST FLOOR PLAN & RCP
04-AD101	BUILDING 04 SECOND FLOOR DEMO PLAN
04-AD102	BUILDING 04 SECOND FLOOR RCP DEMO PLAN
04-AE101	BUILDING 04 SECOND FLOOR PLAN
04-AE102	BUILDING 04 SECOND FLOOR RCP
05-AD101	BUILDING 05 SECOND FLOOR DEMO PLAN
05-AE101	BUILDING 05 FIRST AND SECOND FLOOR PLAN
05-AE102	BUILDING 05 THIRD FLOOR PLAN
06-AD101	BUILDING 06 FIRST FLOOR OVERALL DEMO PLAN
06-AD102	BUILDING 06 SECOND FLOOR OVERALL DEMO PLAN
06-AD103	BUILDING 06 THIRD FLOOR OVERALL DEMO PLAN
06-AD104	BUILDING 06 FIRST FLOOR ENLARGED DEMO PLAN & RCP
06-AD105	BUILDING 06 ENLARGED SECOND AND THIRD FLOOR DEMO PLAN & RCP
06-AE101	BUILDING 06 FIRST FLOOR PLAN
06-AE102	BUILDING 06 SECOND FLOOR OVERALL PLAN
06-AE103	BUILDING 06 THIRD FLOOR OVERALL PLAN
06-AE104	BUILDING 06 ENLARGED FIRST FLOOR PLAN & RCP
06-AE105	BUILDING 06 ENLARGED SECOND AND THIRD FLOOR PLAN & RCP
07-AD101	BUILDING 07 BASEMENT DEMO PLAN
07-AE101	BUILDING 07 BASEMENT FLOOR PLAN
20-AD101	BUILDING 20 FIRST FLOOR DEMO PLAN AND RCP
20-AE101	BUILDING 20 FIRST FLOOR PLAN
43-AD101	BUILDING 43 FIRST FLOOR DEMO PLAN
43-AD102	BUILDING 43 SECOND FLOOR DEMO PLAN
43-AD103	BUILDING 43 THIRD FLOOR DEMO PLAN
43-AD104	BUILDING 43 FIRST FLOOR ENLARGED DEMO PLAN & RCP
43-AE101	BUILDING 43 FIRST FLOOR PLAN
43-AE102	BUILDING 43 SECOND FLOOR PLAN
43-AE103	BUILDING 43 THIRD FLOOR PLAN
43-AE104	BUILDING 43 FIRST AND SECOND FLOOR ENLARGED PLAN AND RCP
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70-AD102	BUILDING 70 FIRST FLOOR ENLARGED DEMO PLAN
70-AD103	BUILDING 70 FIRST FLOOR ENLARGED DEMO PLAN
70-AE101	BUILDING 70 FIRST FLOOR PLAN
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70-AE103	BUILDING 70 FIRST FLOOR - ENLARGED PLANS
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97-AE101	BUILDING 97 FIRST FLOOR PLAN
97-AE102	BUILDING 97 ROOF PLAN
102-AD101	BUILDING 102 BASEMENT DEMO PLAN
102-AD102	BUILDING 102 FIRST FLOOR DEMO PLAN
102-AD103	BUILDING 102 ENLARGED DEMO PLANS & RCP
102-AE101	BUILDING 102 BASEMENT FLOOR PLAN
102-AE102	BUILDING 102 FIRST FLOOR PLAN
102-AE103	BUILDING 102 ENLARGED PLAN & RCP
107-AD101	BUILDING 107 MEZZANINE DEMO PLAN
107-AD102	BUILDING 107 MEZZANINE DEMO RCP
107-AE101	BUILDING 107 MEZZANINE FLOOR PLAN
107-AE102	BUILDING 107 MEZZANINE RCP PLAN
108-AD101	BUILDING 108 SECOND FLOOR DEMO PLAN
108-AD102	BUILDING 108 SECOND FLOOR RCP DEMO PLAN
108-AE101	BUILDING 108 SECOND FLOOR PLAN
108-AE102	BUILDING 108 SECOND FLOOR RCP PLAN
109-AD101	BUILDING 109 BASEMENT FLOOR DEMO PLAN
109-AE101	BUILDING 109 BASEMENT FLOOR PLAN
111-AD101	BUILDING 111 BASEMENT OVERALL DEMO PLAN
111-AD102	BUILDING 111 BASEMENT DEMO ENLARGED PLAN AND RCP
111-AD103	BUILDING 111 FIRST FLOOR DEMO PLAN
111-AD104	BUILDING 111 FIRST FLOOR ENLARGED DEMO PLAN
111-AD105	BUILDING 111 SECOND FLOOR DEMO PLAN
111-AD106	BUILDING 111 SECOND FLOOR DEMO RCP
111-AD107	BUILDING 111 THIRD FLOOR DEMO PLAN
111-AD108	BUILDING 111 FOURTH FLOOR DEMO PLAN
111-AD109	BUILDING 111 FIFTH FLOOR DEMO PLAN
111-AD110	BUILDING 111 SIXTH FLOOR DEMO PLAN
111-AD111	BUILDING 111 SEVENTH FLOOR DEMO PLAN
111-AD112	BUILDING 111 EIGHTH FLOOR DEMO PLAN
111-AD113	BUILDING 111 NINTH FLOOR DEMO PLAN
111-AD114	BUILDING 111 TENTH FLOOR DEMO PLAN
111-AE101	BUILDING 111 BASEMENT OVERALL FLOOR PLAN
111-AE102	BUILDING 111 BASEMENT FLOOR PLAN AND RCP
111-AE103	BUILDING 111 FIRST FLOOR PLAN
111-AE104	BUILDING 111 FIRST FLOOR ENLARGED PLAN
111-AE105	BUILDING 111 FIRST FLOOR RCP PLAN
111-AE106	BUILDING 111 SECOND FLOOR PLAN
111-AE107	BUILDING 111 SECOND FLOOR RCP
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111-AE109	BUILDING 111 FOURTH FLOOR PLAN
111-AE110	BUILDING 111 FIFTH FLOOR PLAN
111-AE111	BUILDING 111 SIXTH FLOOR PLAN
111-AE112	BUILDING 111 SEVENTH FLOOR PLAN
111-AE113	BUILDING 111 EIGHTH FLOOR PLAN
111-AE114	BUILDING 111 NINTH FLOOR PLAN
111-AE115	BUILDING 111 TENTH FLOOR PLAN
112-AD101	BUILDING 112 FIRST FLOOR DEMO PLAN
112-AE101	BUILDING 112 FIRST FLOOR PLAN
113-AD101	BUILDING 113 GROUND FLOOR DEMO PLAN
113-AE101	BUILDING 113 GROUND FLOOR PLAN
123-AD101	BUILDING 123 OVERALL FIRST FLOOR DEMO PLAN
123-AD102	BUILDING 123 FIRST FLOOR DEMO PLAN
123-AE101	BUILDING 123 FIRST FLOOR PLAN
123-AE102	BUILDING 123 FIRST FLOOR RCP PLAN
144-AE101	BUILDING 144 BASEMENT - FLOOR PLAN
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147-AE101	BUILDING 147 BASEMENT - FLOOR PLAN
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05-FP101	BUILDING 05 LEVEL 01 - FIRE PROTECTION FLOOR PLAN
05-FP102	BUILDING 05 LEVEL 02 - FIRE PROTECTION FLOOR PLAN
06-FD101	BUILDING 06 LEVEL 01 - FIRE PROTECTION DEMOLITION PLAN PLAN
06-FD102	BUILDING 06 LEVEL 02 - FIRE PROTECTION DEMOLITION PLAN PLAN
06-FD103	BUILDING 06 LEVEL 03 - FIRE PROTECTION DEMOLITION PLAN PLAN
06-FP101	BUILDING 06 LEVEL 01 - FIRE PROTECTION FLOOR PLAN
06-FP102	BUILDING 06 LEVEL 02 - FIRE PROTECTION FLOOR PLAN
06-FP103	BUILDING 06 LEVEL 03 - FIRE PROTECTION FLOOR PLAN
07-FD101	BUILDING 07 BASEMENT - FIRE PROTECTION DEMOLITION PLAN
07-FP101	BUILDING 07 BASEMENT - FIRE PROTECTION FLOOR PLAN
43-FD101	BUILDING 43 LEVEL 01 FIRE PROTECTION DEMOLITION PLAN
43-FD102	BUILDING 43 LEVEL 02 FIRE PROTECTION DEMOLITION PLAN
43-FP101	BUILDING 43 LEVEL 01 - FIRE PROTECTION FLOOR PLAN
43-FP102	BUILDING 43 LEVEL 02 - FIRE PROTECTION FLOOR PLAN

SHEET #	SHEET TITLE
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70-FP101	BUILDING 70 ENLARGED PLANS - FIRE PROTECTION FLOOR PLAN
97-FD101	BUILDING 97 ENLARGED PLANS - FIRE PROTECTION DEMOLITION
97-FP101	BUILDING 97 ENLARGED PLANS - FIRE PROTECTION
102-FD101	BUILDING 102 LEVEL 00 PLAN - FIRE PROTECTION DEMOLITION PLAN
102-FD102	BUILDING 102 LEVEL 01 PLAN - FIRE PROTECTION DEMOLITION PLAN
102-FP101	BUILDING 102 LEVEL 00 PLAN - FIRE PROTECTION FLOOR PLAN
102-FP102	BUILDING 102 LEVEL 01 PLAN - FIRE PROTECTION FLOOR PLAN
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70-TD101C-S	BUILDING 70 FIRST FLOOR DEMO PLAN - TECHNOLOGY - AREA C SOUTH
70-TD101D-N	BUILDING 70 FIRST FLOOR DEMO PLAN - TECHNOLOGY - AREA D NORTH
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70-TD102C-S	BUILDING 70 SECOND FLOOR DEMO PLAN - TECHNOLOGY - AREA C SOUTH
70-TD102D-N	BUILDING 70 SECOND FLOOR DEMO PLAN - TECHNOLOGY - AREA D NORTH
70-TD102D-S	BUILDING 70 SECOND FLOOR DEMO PLAN - TECHNOLOGY - AREA D SOUTH
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70-TN100D-N	BUILDING 70 BASEMENT PLAN - TECHNOLOGY - AREA D NORTH
70-TN100D-S	BUILDING 70 BASEMENT PLAN - TECHNOLOGY - AREA D SOUTH
70-TN100E-N	BUILDING 70 BASEMENT PLAN - TECHNOLOGY - AREA E NORTH
70-TN100E-S	BUILDING 70 BASEMENT PLAN - TECHNOLOGY - AREA E SOUTH
70-TN100K	BUILDING 70 BASEMENT PLAN - TECHNOLOGY - AREA K
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70-TN101C-N	BUILDING 70 FIRST FLOOR PLAN - TECHNOLOGY - AREA C NORTH
70-TN101C-S	BUILDING 70 FIRST FLOOR PLAN - TECHNOLOGY - AREA C SOUTH
70-TN101D-N	BUILDING 70 FIRST FLOOR PLAN - TECHNOLOGY - AREA D NORTH
70-TN101D-S	BUILDING 70 FIRST FLOOR PLAN - TECHNOLOGY - AREA D SOUTH
70-TN101E-N	BUILDING 70 FIRST FLOOR PLAN - TECHNOLOGY - AREA E NORTH
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70-TN102C-S	BUILDING 70 SECOND FLOOR PLAN - TECHNOLOGY - AREA C SOUTH
70-TN102D-N	BUILDING 70 SECOND FLOOR PLAN - TECHNOLOGY - AREA D NORTH
70-TN102D-S	BUILDING 70 SECOND FLOOR PLAN - TECHNOLOGY - AREA D SOUTH
70-TN102E-N	BUILDING 70 SECOND FLOOR PLAN - TECHNOLOGY - AREA E NORTH
70-TN102E-S	BUILDING 70 SECOND FLOOR PLAN - TECHNOLOGY - AREA E SOUTH
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111-TD1009F	BUILDING 111 SUB-BASEMENT DEMO PLAN - TECHNOLGY - AREA F
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111-TD1009H	BUILDING 111 SUB-BASEMENT DEMO PLAN - TECHNOLGY - AREA H
111-TD1009I	BUILDING 111 SUB-BASEMENT DEMO PLAN - TECHNOLGY - AREA I
111-TD1009J	BUILDING 111 SUB-BASEMENT DEMO PLAN - TECHNOLGY - AREA J
111-TD1009K	BUILDING 111 SUB-BASEMENT DEMO PLAN - TECHNOLGY - AREA K
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111-TD1100D	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA D
111-TD1100E	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA E
111-TD1100F	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA F
111-TD1100G	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA G
111-TD1100H	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA H
111-TD1100I	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA I
111-TD1100J	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA J
111-TD1100K	BUILDING 111 BASEMENT DEMO PLAN - TECHNOLGY - AREA K
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111-TD1101A	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1101B	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1101C	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA C
111-TD1101D	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1101E	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1101F	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1101G	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA G
111-TD1101H	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1101I	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA I
111-TD1101J	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1101K	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1101L	BUILDING 111 FIRST FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1102	BUILDING 111 SECOND FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1102A	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1102B	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1102C	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA C

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111-TD1102D	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1102E	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1102F	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1102G	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA G
111-TD1102H	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1102I	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA I
111-TD1102J	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1102K	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1102L	BUILDING 111 SECOND FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1103	BUILDING 111 THIRD FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1103A	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1103B	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1103C	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA C
111-TD1103D	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1103E	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1103F	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1103G	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA G
111-TD1103H	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1103I	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA I
111-TD1103J	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1103K	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1103L	BUILDING 111 THIRD FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1104	BUILDING 111 FOURTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1104A	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1104B	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1104D	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1104E	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1104F	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1104H	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1104I	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA I
111-TD1104J	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1104K	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1104L	BUILDING 111 FOURTH FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1105	BUILDING 111 FIFTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1105A	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1105B	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1105D	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1105E	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1105F	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1105H	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1105I	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA I
111-TD1105J	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1105K	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1105L	BUILDING 111 FIFTH FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1106	BUILDING 111 SIXTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1106A	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1106B	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1106D	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1106E	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1106F	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1106H	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1106I	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA I
111-TD1106J	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1106K	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1106L	BUILDING 111 SIXTH FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1107	BUILDING 111 SEVENTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1107A	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1107B	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1107D	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1107E	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1107F	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1107H	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1107J	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1107K	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1107L	BUILDING 111 SEVENTH FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1108	BUILDING 111 EIGHTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1108A	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1108B	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1108D	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1108E	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1108F	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1108H	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1108J	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1108K	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1108L	BUILDING 111 EIGHTH FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1109	BUILDING 111 NINTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1109A	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1109B	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1109D	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1109E	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA E
111-TD1109F	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA F
111-TD1109H	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA H
111-TD1109J	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1109K	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA K
111-TD1109L	BUILDING 111 NINTH FLOOR DEMO PLAN - TECHNOLGY - AREA L
111-TD1110	BUILDING 111 TENTH FLOOR OVERALL DEMO PLAN - TECHNOLGY
111-TD1110A	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - AREA A
111-TD1110B	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - AREA B
111-TD1110D	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - AREA D
111-TD1110E	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - AREA E

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111-TD1110F	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - ARE...
111-TD1110H	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - ARE...
111-TD1110J	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - AREA J
111-TD1110K	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - ARE...
111-TD1110L	BUILDING 111 TENTH FLOOR DEMO PLAN - TECHNOLGY - ARE...
111-TN1009	BUILDING 111 SUB-BASEMENT OVERALL PLAN - TECHNOLGY
111-TN1009A	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA A
111-TN1009B	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA B
111-TN1009C	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA C
111-TN1009D	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA D
111-TN1009E	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA E
111-TN1009F	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA F
111-TN1009G	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA G
111-TN1009H	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA H
111-TN1009I	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA I
111-TN1009J	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA J
111-TN1009K	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA K
111-TN1009L	BUILDING 111 SUB-BASEMENT PLAN - TECHNOLGY - AREA L
111-TN1100	BUILDING 111 BASEMENT OVERALL PLAN - TECHNOLGY
111-TN1100A	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA A
111-TN1100B	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA B
111-TN1100C	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA C
111-TN1100D	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA D
111-TN1100E	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA E
111-TN1100F	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA F
111-TN1100G	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA G
111-TN1100H	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA H
111-TN1100I	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA I
111-TN1100J	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA J
111-TN1100K	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA K
111-TN1100L	BUILDING 111 BASEMENT PLAN - TECHNOLGY - AREA L
111-TN1101	BUILDING 111 FIRST FLOOR OVERALL PLAN - TECHNOLGY
111-TN1101A	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA A
111-TN1101B	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA B
111-TN1101C	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA C
111-TN1101D	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA D
111-TN1101E	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA E
111-TN1101F	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA F
111-TN1101G	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA G
111-TN1101H	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA H
111-TN1101I	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA I
111-TN1101J	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA J
111-TN1101K	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA K
111-TN1101L	BUILDING 111 FIRST FLOOR PLAN - TECHNOLGY - AREA L
111-TN102	BUILDING 111 SECOND FLOOR OVERALL PLAN - TECHNOLGY
111-TN1102A	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA A
111-TN1102B	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA B
111-TN1102C	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA C
111-TN1102D	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA D
111-TN1102E	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA E
111-TN1102F	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA F
111-TN1102G	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA G
111-TN1102H	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA H
111-TN1102I	BUILDING 111 SECOND FLOOR PLAN - TECHNOLGY - AREA I
111-TN1102J	BUILDING 111 SECOND FLOOR PLAN - TECHNO

ANNOTATION DRAWING SYMBOLS

EXTERIOR ELEVATION
PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN
1 A101 SIM
ELEVATION NUMBER

INTERIOR ELEVATION
A101 1
PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN

SECTION
1 A101
PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN

ENLARGEMENT, DETAIL
1 A-101
PLATE NUMBER WHERE SECTION/DETAIL IS DRAWN

SPOT ELEVATION

Name Elevation
FLOOR LEVEL & NAME

1
SHEET KEYNOTE

ROOM NAME
101
ROOM NAME / NUMBER

01
WINDOW TYPE

GaSxFB1
WALL TYPE

0
GRID / COLUMN LINE DESIGNATOR

1i
EQUIPMENT NUMBER

101
DOOR NUMBER

REVISION TAG

NORTH
NORTH ARROW WITH TRUE NORTH INDICATION

ROOM
ROOM OCCUPANCY
101
150 SF
ROOM OCCUPANCY & AREA

EGRESS : EGRESS ID
Egress Length
EGRESS ROUTE ID AND SECTION LENGTH

INDEX OF DRAWINGS

202-A101

BUILDING NUMBER
DISCIPLINE:
G - GENERAL
A - ARCHITECTURE
I - INTERIORS
F- FIRE PROTECTION
P - PLUMBING
M - MECHANICAL
E - ELECTRICAL
T - TELECOM
V - VENTILATION
SHEET TYPE DESIGNATOR
SHEET NUMBER WITHIN SERIES

ARCHITECTURAL SYMBOLS

LEGEND

MATERIALS

CONCRETE/ PRECAST CONCRETE
SOIL
SAND, EIFS FINISH COAT, OR CEMENT PLASTER
BRICK
CMU
STONE
FIBERGLASS BATT INSULATION
EXPANDED POLYSTYRENE RIGID INSULATION
EXTRUDED POLYSTYRENE RIGID INSULATION
POLYISOCYANURATE RIGID INSULATION
GYPSUM BOARD
EXTERIOR GYPSUM SHEATHING
EXTERIOR CEMENT BOARD
COATED GLASS MAT WATER RESISTANT GYP BD
PLYWOOD
COVER BOARD

ARCHITECTURAL SYMBOLS

CEILING SYMBOLS

24" X 24" ACOUSTICAL CEILING PANEL AND GRID
GYPSUM BOARD CEILING OR SOFFIT
2' x 4' LED FLUORESCENT FIXTURE
1' x 4' LED FLUORESCENT FIXTURE
2' x 2' LED FLUORESCENT FIXTURE - EMERGENCY NIGHT LIGHT
2' x 2' LED FLUORESCENT FIXTURE
INDUSTRIAL LUMINAIRE
EXIT SIGN
RECESSED CAN DOWNLIGHT
X'-X" CEILING ELEVATION A.F.F.
MECHANICAL SUPPLY DIFFUSER
MECHANICAL RETURN GRILLE
MECHANICAL EXHAUST GRILLE
LED LIGHT
EMERGENCY LIGHT
S SPEAKER
OC OCCUPANCY SENSOR
CAM CLOSED CIRCUIT CAMERA (CCTV) CEILING MOUNTED
CAM CLOSED CIRCUIT CAMERA (CCTV)
LS DAYLIGHT LEVEL SENSOR
N NURSE CALL DOME LIGHT WALL MOUNTED
VC VACANCY SENSOR
WAP CEILING INFORMATION OUTLET
A A3 A3 FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE-CEILING MOUNTED.
A A1 A3 FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE- WALL MOUNTED.
V1 FIRE ALARM VISUAL NOTIFICATION DEVICE - WALL MOUNTED
SW WALL CONTROL STATION
N NURSE CALL STATION
ARD SMOKE,FIRE/SMOKE DAMPER CONTROLLER
F FIRE ALARM MANUAL PULL STATION
SD FIRE ALARM SMOKE, SMOKE DAMPER
SD FIRE ALARM DUCT SMOKE DETECTOR
D DIMMER LED
S SWITCH
{LD} LIGHT DIMMER
{LS} LIGHT SENSOR

ARCHITECTURAL DRAWING ABBREVIATIONS

NOTE: NOT ALL MAY BE USED

A	----------
A	LABEL CLASS A DOOR
A/C	AIR CONDITION
A/C UNIT	AIR CONDITIONING UNIT
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ACC	ACCESSIBLE
ACS	AUTOMATIC CONTROL SYSTEM
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADMIN	ADMINISTRATION
AFC	ABOVE FINISHED COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATE
ALG	ALUMINUM AND GLASS
AL	ALUMINUM
ALUM	ALUMINUM
ANOD	ANODIZE
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
AR	AS REQUIRED
ARCH	ARCHITECT
ASC	ABOVE SUSPENDED CEILING
ASSY	ASSEMBLY
ATC	ACOUSTICAL TILE CEILING
AVG	AVERAGE
AW	ARCHITECTURAL WOODWORK
AWT	ACOUSTICAL WALL TREATMENT
B	----------
B LABEL	CLASS B DOOR
BALC	BALCONY
BB	BASEBOARD
BC	BOOKCASE
BD	BOARD
BDRY	BOUNDARY
BFF	BELOW FINISH FLOOR
BHMA	BUILDER'S HARDWARE MANUFACTURER'S ASSOCIATION
BLDG	BUILDING
BLKG	BLOCKING
BLT IN	BUILT-IN
BN	BULLNOSE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BP	BUILDING PAPER
BRKT	BRACKET
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	----------
C CONC	CAST CONCRETE
C LABEL	CLASS C DOOR
CAB	CABINET
CATW	CATWALK
CAV	CAVITY
CBB	CEMENTITIOUS (BACKER) BOARD
CD	CONSTRUCTION DOCUMENTS
CDW	CHILLED DRINKING WATER
CEM PLAS	CEMENT PLASTER
CER	CERAMIC
CF	CONTRACTOR FURNISHED
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CFE	CONTRACTOR FURNISHED EQUIPMENT
CFLG	COUNTERFLASHING
CFM	CUBIC FEET PER MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET PER SECOND
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLG DIFF	CEILING DIFFUSER
CLG HT	CEILING HEIGHT
CLL	COLUMN LINE
CLO	CLOSET
CLR	COLOR
CLRM	CLASSROOM
CMU	CONCRETE MASONRY UNIT
CNDS	CONDENSATE
CDR	CARD READER
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONC FLR	CONCRETE FLOOR
CONF	CONFERENCE
CONT	CONTINUE
COORD	COORDINATE
CORR	CORRIDOR
CP	CONCRETE PIPE
CPT	CARPET
CR	CONTROL ROOM
CS	CAST STONE
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE FLOOR
CTR	CENTER
CU FT	CUBIC FEET
CW	CASEMENT WINDOW
D	----------
D	DEPTH
D LABEL	CLASS D DOOR
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIR	DIRECTION
DIST	DISTANCE
DOC	DOCUMENT
DR	DOOR
DS	DOWNSPOUT
E	----------
E LABEL	CLASS E DOOR
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ES	EACH SIDE
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ELEV EQ	ELEVATOR EQUIPMENT
ENTR	ENTRANCE
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EQ	EQUAL
EWC	ELECTRIC WATER COOLER
EXP	EXPOSED
EXT	EXTERIOR
EXT	EXTINGUISHER
EXT GR	EXTERIOR GRADE

F	----------
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FAS BD	FASCIA BOARD
FC BRK	FACE BRICK
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FED	FEDERAL
FF	FINISH FACE
FF EL	FINISH FLOOR ELEVATION
FF INSUL	FOIL BACKED INSULATION
FGL	FIBERGLASS
FH	FIRE HOSE
FHP	FULL HEIGHT PARTITION
FIN	FINISH
FIN BS	FINISH BOTH SIDES
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FIXT	FIXTURE
FLDG	FOLDING
FLEX	FLEXIBLE
FLG	FLOORING
FLMT	FLUSH MOUNT
FLR	FLOOR
FM	FACTORY MUTUAL
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FR	FIRE RESISTANT
FRG	FIBER REINFORCED GYPSUM
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
FRTW	FIRE RETARDANT TREATED WOOD
FS	FEDERAL SPECIFICATION
FSTNR	FASTENER
FT	FEET
FTG	FOOTING
FWC	FABRIC WALLCOVERING
G	----------
G	NATURAL GAS
GALV	GALVANIZED
GB	GRAB BAR
GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFGI	GOVERNMENT FURNISHED INSTALLED BY GOVERNMENT
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GLZ	GLAZING
GR FL	GROUND FLOOR
GSF	GROSS SQUARE FEET
GUT	GUTTER
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
H	----------
HAC	HOUSE AID KEEPING CLOSET
HB	HOSE BIBB
HDPE	HIGH DENSITY POLYETHYLENE
HDW	HARDWARE
HDWD	HARDWOOD
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HYDR	HYDRAULIC
I	----------
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
INT	INTERIOR
ILO	IN LIEU OF
ISO	ISOLATION
J	----------
JAN	JANITOR
K	----------
KPD	KEYPAD
KIT	KITCHEN
KPL	KICKPLATE
L	----------
LAM	LAMINATE
LAV	LAVATORY
LBR	LUMBER
LBS	POUND
LDG	LANDING
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LIB	LIBRARY
LIN	LINEAR
LKR	LOCKER
LOC	LOCATION
LT	LIGHT
LVDR	LOUVER DOOR
LVR	LOUVER
M	----------
MACH RM	MACHINE ROOM
MATL	MATERIAL
MAX	MAXIMUM
MC	MOISTURE CONTENT
MD	METAL DECK
MECH	MECHANICAL
MECH RM	MECHANICAL ROOM
MEMB	MEMBRANE
MF	MILL FINISH
MFR	MANUFACTURER
MID	MIDDLE
MIL STD	MILITARY STANDARD
MIN	MINIMUM, MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS
MLDG	MOLDING (MOULDING)
MO	MASONRY OPENING
MOD	MODIFY
MB	MOISTURE BARRIER
MTG	MOUNTING
MTL	METAL
MVBL	MOVABLE
MWP	MEMBRANE WATERPROOFING
N	----------
N	NORTH
NA	NOT APPLICABLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NP	NO PAINT
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O	----------
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OFF	OFFICE
OGL	OBSCURE GLASS
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OWSJ	OPEN WEB STEEL JOIST
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
P	----------
PA	PUBLIC ADDRESS
PAR	PARAPET
PAT	PATTERN
PB	PULL BOX
PBD	PARTICLEBOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCT	PERCENT
PERF	PERFORATED
PERIM	PERIMETER
PH	PHASE
PIL	PILASTER
PL	PROPERTY LINE
PL GL	PLATE GLASS
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLG	PILING
PLYWD	PLYWOOD
PNL	PANEL
PP PL	PUSH/PULL PLATE
PR	PAIR
PRCST	PRECAST
PRKG	PARKING
PS CONC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL DISPENSER AND RECEPTACLE
PTN	PARTITION
PWR	POWER
Q	----------
QT	QUARRY TILE
QTY	QUANTITY
R	----------
RB	RESILIENT BASE
RBM	REINFORCED BRICK MASONRY
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDG INS	RIGID INSULATION, SOLID
REC	RECESSED
REC ROOM	RECREATION ROOM
REF	REFERENCE
REM	REMOVABLE
REP	REPAIR
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
RESIL	RESILIENT
REST	RESTROOM
RF	RESILIENT FLOORING
RFG	ROOFING
RH	ROOF HATCH
RHR	RIGHT HAND REVERSE
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RO	ROUGH OPENING
RSD	ROLLING STEEL DOOR
RV	ROOF VENT
RVL	REVEAL
S	----------
SB	SPLASH BLOCK
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SF	SQUARE FOOT (FEET)
SFTWD	SOFTWOOD
SGL	SINGLE
SHT MTL FLASH	SHEET METAL (FLASHING)
SHTHG	SHEATHING
SHWR	SHOWER
SHV	SHELVING
SIM	SIMILAR
SJ	SCORED JOINT
SKLT	SKYLIGHT
SLNT	SEALANT
SMK	SMOKE
SMLS	SEAMLESS
SP EL	SPOT ELEVATION
SPEC	SPECIFICATION
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SST	STAINLESS STEEL
ST	STAIRS
STD	STANDARD
STL JST	STEEL JOIST
STL RF DK	STEEL ROOF DECK
STOR	STORAGE
STR	STRINGERS
STRB/HRN	STROBE/HORN
SUB FL	SUBFLOOR
SV	SHEET VINYL
SW	SIDEWALK
T	----------
T	TREAD
T/S	TUB/SHOWER
TC	TERRA COTTA
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
TFF	TOP OF FINISH FLOOR
THK	THICKNESS
TK BD	TACKBOARD
TMPD GL	TEMPERED GLASS
TN	TRUE NORTH
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TRANS	TRANSOM
TRTD	TREATED
TV	TELEVISION

SEE OTHER DISCIPLINES FOR ADDITIONAL ABREVIATIONS

Graphic Scale: 11/8" = 1'-0"
Graphic Scale: 1/8" = 1'-0"
Graphic Scale: 3/32" = 1'-0"
Graphic Scale: 1/4" = 1'-0"
Graphic Scale: 3/16" = 1'-0"
Graphic Scale: 1/2" = 1'-0"
Graphic Scale: 3/4" = 1'-0"
Graphic Scale: 1" = 1'-0"
Graphic Scale: 1 1/2" = 1'-0"

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Revisions:	Date:

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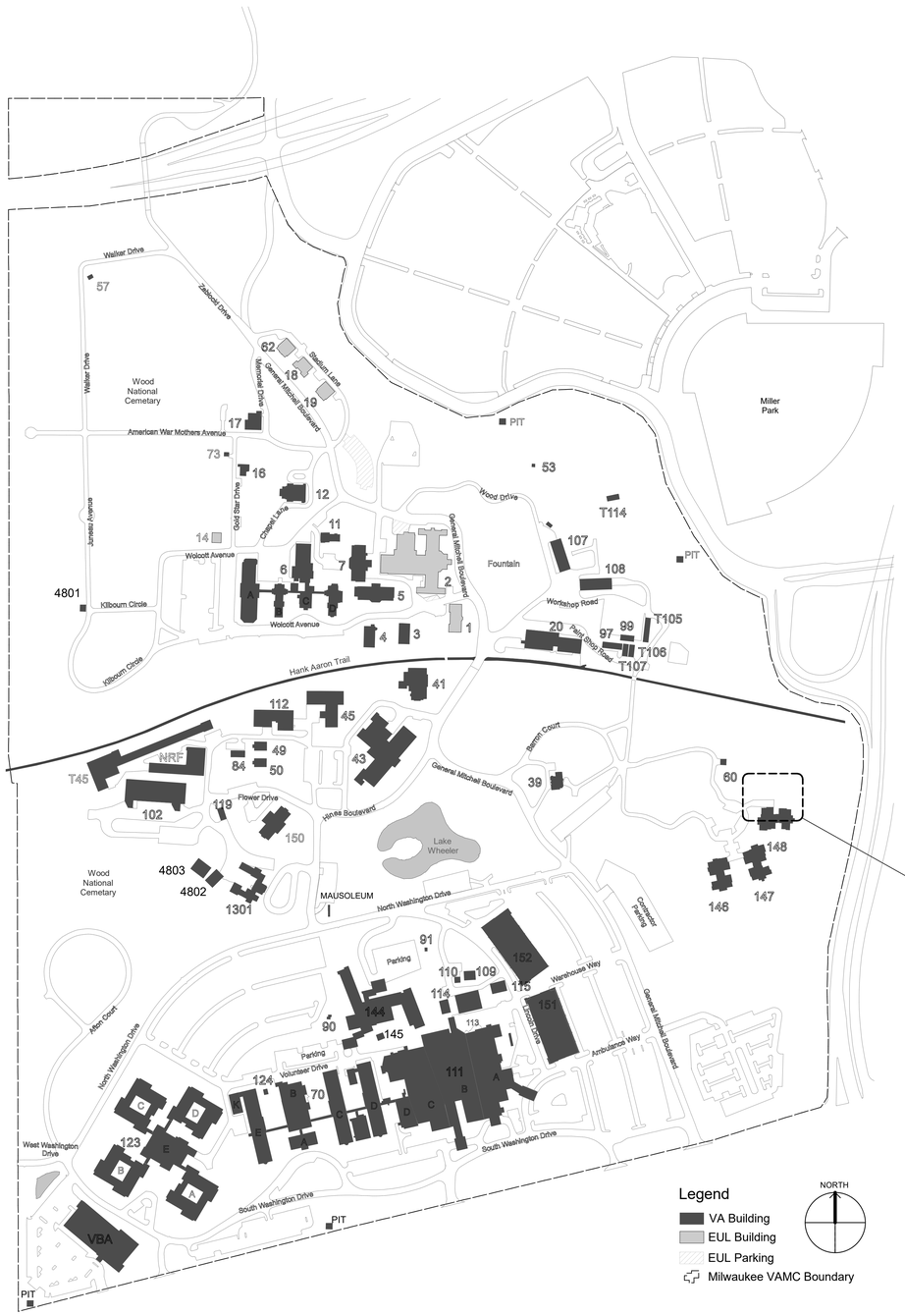
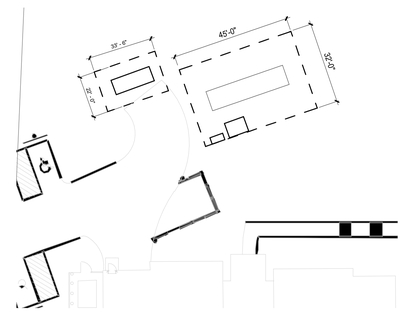
9.5.2025

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

Drawing Title: ABBREVIATIONS & SYMBOLS
Approved:
Phase: FINAL BID DOCUMENTS
Sprinklered: FULLY SPRINKLERED
Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI
Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI
Issue Date: SEPTEMBER 5, 2025
Checked: RCO
Drawn: EM
Project Number: 695-21-700
Building Number:
Drawing Number: GI103



01 SITE ORIENTATION PLAN
NTS



02 GENERATOR FENCE LAYOUT
1/32" = 1'-0"

MKE EHRM - Phasing Notes:

GENERAL NOTE

THE GENERAL CONTRACTOR IS TO SUBMIT ALL REQUIRED SHOP DRAWINGS WITHIN 45 DAYS OF THE DATE OF NOTICE-TO-PROCEED AS ISSUED BY THE VA.

THE MEDICAL CENTER MUST MAINTAIN ITS OPERATION 24 HOURS A DAY 7 DAYS A WEEK. THEREFORE, ANY INTERRUPTION IN SERVICE MUST BE SCHEDULED AND COORDINATED WITH THE COR TO ENSURE THAT NO LAPSES IN OPERATION OCCUR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A WORK PLAN AND SCHEDULE DETAILING, AT A MINIMUM, THE PROCEDURES TO BE EMPLOYED, THE EQUIPMENT AND MATERIALS TO BE USED, THE INTERIM LIFE SAFETY MEASURE TO BE USED DURING THE WORK, AND A SCHEDULE DEFINING THE DURATION OF THE WORK WITH MILESTONE SUBTASKS. THE WORK TO BE OUTLINED SHALL INCLUDE, BUT NOT BE LIMITED TO:

1. TO ENSURE SUCH EXECUTIONS, CONTRACTOR SHALL FURNISH THE COR WITH A SCHEDULE OF APPROXIMATE PHASING DATES ON WHICH THE CONTRACTOR INTENDS TO ACCOMPLISH WORK IN EACH SPECIFIC AREA OF SITE, BUILDING OR PORTION THEREOF. IN ADDITION, 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 THAT ARE MUTUALLY AGREEABLE TO MEDICAL CENTER DIRECTOR, COR AND CONTRACTOR, AS FOLLOWS:
2. SEE PHASING NOTES, SPECIFICATIONS AND DRAWINGS IN CONSTRUCTION DOCUMENTS.
3. THE CONTRACTOR WILL FACTOR INTO THEIR PRICING THE FABRICATION TIME AND DELIVERY DATES OF THE SPECIFIED MEP EQUIPMENT AND RELATED SYSTEMS EQUIPMENT TO COINCIDE WITH THEIR SCHEDULED INSTALL DATES PLANNED FOR THE EQUIPMENT. RESULTING DATES SHALL BE INCLUDED IN THE CONTRACTOR'S REQUIRED SCHEDULE. APPROVAL OF THIS PLAN IS REQUIRED BY THE COR.
4. THE CONTRACTOR MUST PLAN AND SCHEDULE ALL PHASES OF THE WORK SUCH THAT THEY ARE ALL COMPLETED WITHIN THE OVERALL DURATION OF THE AGREEMENT. A SUB-PHASE SCHEDULE IS TO BE SUBMITTED FOR APPROVAL BY THE COR PRIOR TO START OF WORK. ACCEPTANCE OF EACH SUB-PHASE BY VA IS REQUIRED PRIOR TO COMMENCEMENT OF NEXT SUB-PHASE. A MINIMUM OF A TWO-WEEK NOTIFICATION IS REQUIRED BEFORE THE FINAL INSPECTION IS SCHEDULED FOR EACH SUB-PHASE TO ALLOW VA TO PREPARE FOR TEMPORARY MOVES AND OR OTHER OPERATIONAL CONSIDERATIONS ASSOCIATED WITH EACH SUB-PHASE.

THE CONTRACTOR SHALL NOTE THAT CERTAIN AREAS OF THE CAMPUS HAVE LIMITED, CONTROLLED ACCESS. THE CONTRACTOR SHALL SCHEDULE ACCESS TO THESE AREAS IN WHICH CONSTRUCTION MAY NOT OCCUR DURING WORKING HOURS. ALL ACCESS WILL BE AFTER 5:00 PM AND 7:00 AM WEEKDAYS OR ON WEEKENDS. SOME AREAS MAY BE ACCESSED CONTRACTOR SHALL ADVISE THE COR TO SCHEDULE THE DURING NORMAL HOURS IF IT DOES NOT IMPACT PATIENT CARE. OTHERWISE, THE RESTRICTED AREAS WITH THE VA STAFF WITH A MINIMUM OF TWO WEEKS' NOTICE. THESE AREAS INCLUDE:

1. **BUILDING 111**
2. **BUILDING 123**
3. **BUILDING 142**
4. **BUILDING 146**
5. **BUILDING 147**
6. **BUILDING 148**

TECHNOLOGY

1. THE EXISTING MAIN COMPUTER ROOM (MCR) AND TELECOM ROOMS (TR) SHALL REMAIN OPERATIONAL DURING THE INSTALLATION OF THE NEW PATHWAYS AND BACKBONE CABLING SYSTEMS.
2. THE EXISTING SYSTEMS SHALL NOT BE DISRUPTED UNLESS COORDINATED IN ADVANCE WITH OIT AND AT THEIR DISCRETION ON DATE AND TIME.
3. COORDINATE EACH TR CUTOVER WITH OIT AT THEIR DISCRETION ON DATE AND TIME.

ARCHITECTURAL SYSTEMS:

1. INSTALL ICRA BARRIERS AT ALL TR ROOMS, MCR AND IN BUILDINGS111, 123, 142, 1461, AND 147. PROVIDE A TEMPORARY CONSTRUCTION BARRIER TO SEPARATE CONSTRUCTION FROM SURROUNDING OPERATIONS. SEE ICRA SHEETS GI106, GI107, GI108, GI108, GI109 & GI110.
2. CONTRACTOR TO PROVIDE PROTECTION ABOVE CEILING WITHIN THE CONTAINMENT AREA IF EXISTING WALLS AND OR PARTIONS DO NOT EXTEND TO THE STRUCTURE ABOVE.
3. AFTER CABLING IS INSTALLED, SEAL ALL PENETRATIONS FOR THE APPROPRIATE WALL TYPE RATING.

MECHANICAL SYSTEMS INCLUDE FIRE SPRINKLER, PLUMBING, AND HEATING, COOLING, AND VENTILATION SYSTEMS.

1. MECHANICAL SYSTEMS SHALL BE COMPLETED AND FULLY OPERATIONAL PRIOR TO INSTALLATION OF IT RACK SYSTEMS.
2. COMPLETE IT RACK SPECIFIC CONTROLS AND MONITORING SCOPE AFTER RACK SYSTEMS ARE INSTALLED.
3. MECHANICAL SYSTEMS INSTALLATION SHALL BE COORDINATED WITH VA OPERATIONS PRIOR TO STARTING CONSTRUCTION. COORDINATE EXISTING SYSTEM SHUT- DOWNS TO MINIMIZE DOWNTIME AND VA OPERATIONS.

ELECTRICAL:

1. THE EXISTING CAMPUS SUPPORT CENTER (SERVER ROOM), MAIN TELEPHONE EQUIPMENT ROOM, AND TR ROOMS WILL NEED TO REMAIN OPERATIONAL DURING CONSTRUCTION. EXISTING ELECTRICAL PANELS AND CONNECTIVITY SHALL REMAIN OR PROVIDE TEMPORARY ELECTRICAL PANELS AND CIRCUITS AS REQUIRED. COORDINATE WITH VA COR AND SCHEDULES FROM OTHER TRADES FOR EXACT ELECTRICAL WORK.
2. COORDINATE WITH THE VA FOR ELECTRICAL WORK PHASES. IN GENERAL ELECTRICAL SUBSTATION, ELECTRICAL EQUIPMENT SERVING ICC, NEW DISTRIBUTION TYPE EQUIPMENT IN ELECTRICAL AREAS, AND NEW GENERATOR AND RELATED SITE ELECTRICAL WORK SHALL BE IN PHASE 1 ELECTRICAL AHEAD OF OTHERS WORK.
3. ELECTRICAL DEMOLITION WORK IN NEW TR SPACES SHALL FOLLOW OTHER DISCIPLINES' WORK SCHEDULES.
4. ELECTRICAL EQUIPMENT SHALL BE DE-ENERGIZED BEFORE WORKING ON THEM. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH VA COR FOR EXISTING ELECTRICAL SYSTEM TIE-INS AND SYSTEM DOWNTIME NEEDED. PROVIDE SCHEDULE TO VA COR AT LEAST TWO WEEKS PRIOR TO ELECTRICAL WORK.
5. PERFORM ELECTRICAL WORK IN WEEKENDS AND EVENINGS AS NEEDED TO REDUCE INTERRUPTION OF FACILITY'S NORMAL OPERATION.

PHASES NOTED BELOW MAY BE EXECUTED CONCURRENTLY. COORDINATE WORK WITH VA.

PHASE 1A - ADMINISTRATION

1. SEE SPEC SECTION 01 00 00 GENERAL REQUIREMENTS

PHASE 1B - BACKBONE FIBER CABLING

2. INSTALL INTER-BUILDING AND INTRABUILDING FIBER CABLING ROUTE AS SHOWN. TERMINATE AND TEST.
3. SEE ARCHITECTURAL/MECHANICAL/ELECTRICAL/TECHNOLOGY GENERAL NOTES TYPICAL

PHASE 2 – TR BUILDOUT TO INCLUDE SWITCHES

1. BUILD OUT NEW MCR LAYOUT.
   A. MCR PHASE 1A:
      a. REMOVE EQUIPMENT/FURNITURE/FIXTURES, SALVAGE, RELOCATE, OR DISPOSE.
      b. ROOM TO REMAIN IN USE THROUGHOUT CONSTRUCTION.
      c. COMPLETE BUILD-OUT OF TRs WITH SWITCHES.
      d. COORDINATE MIGRATION OF EQUIPMENT AND CUTOVER TO NEW FIBER OPTIC BACKBONES INTO NEW CABINETS WITH COR,
      e. COORDINATE MIGRATION OF EQUIPMENT AND CUTOVER TO NEW FIBER OPTIC BACKBONES INTO NEW CABINETS WITH COR.
      f. INSTALL DUST CONTAINTMENT PARTITION IN FRONT OF EXISTING CABINETS TO ALLOW REMODEL OF NORTH HALF OF THE ROOM.
      g. DEMOLISH WALLS AND CEILING IN EMPTY HALF OF MCR.
   B. MCR PHASE 1B:
      a. REMOVE DUST CONTAINMENT PARTITION AFTER ARCHITECTURAL WORK COMPLETED
      b. INSTALL NEW CABINETS, CABLE TRAY AND UTILITIES
      c. REMODEL SOUTH HALF OF MCR AFTER SUCCESSFUL MIGRATION OF EQUIPMENT.
      d. COMPLETE NEW CONSTRUCTION OF MCR ROOM.
2. DEMOLISH LIGHTING, CEILINGS, DIFFUSERS, FLOORING, WALL BASE, DOORS, FRAMES AND PARTITIONS, PLUMBING AND HYDRONIC PIPING AS REQUIRED FOR BUILD OUT OF NEW TR ROOMS IN MAIN HOSPITAL AND ACC.
3. DECOMMISSION MEP – CUT AND CAP. TURN UP FIRE SUPPRESSION SYSTEM.
4. INSTALL NEW PARTITIONS, DOORS, FRAMES AND HARDWARE, ELECTRICAL BACKBOARDS, FIRE PROTECTION SYSTEMS, CARD READERS AS NEEDED IN THE NEW TR ROOMS. INSTALL FLOORING AS NOTED. PATCH, REPAIR AND PAINT WALLS.
5. ROUGH IN MECH/ELEC/FIRE PROTECTION. INSTALL MECHANICAL SYSTEMS AS NOTED.
6. INSTALL VERTICAL CONDUIT & PULLBOXES. INSTALL OVERHEAD BUS DUCT AND LIGHTING.
7. TRIMOUT MECHANICAL, TEST AND BALANCE.
8. FINAL PATCH AND PAINT OF NEW TR ROOMS. COMPLETE ARCHITECTURAL BUILD OUT.
9. INSTALL TR EQUIPMENT AND RACKS.
10. INSTALL DOORS FOR ENTRY WHERE SHOWN ON DRAWINGS. INSTALL A TEMPORARY CONSTRUCTION BARRIER FOR CONSTRUCTION ON THE EAST SIDE OF THE ROOM. LEAVE EXISTING GLASS DOOR/WALL. CONSTRUCT EXTERIOR ENCLOSURE AND ROOF OF TR ROOM 1205B. PROVIDE TEMPORARY BARRIER CONSTRUCTION BARRIER BETWEEN NEW ROOM AND EXISTING.
11. BUILD NEW TRS IN OTHER BUILDINGS AS INFILL IF AREAS IN THE MAIN HOSPITAL ARE NOT ABLE TO BE SCHEDULED DURING NORMAL WORK HOURS.

PHASE 3 - HORIZONTAL CABLING

1. REMOVE EXISTING CEILINGS AS NOTED.
2. INSTALL CABLE TRAY & PATHWAYS.
3. INSTALL HORIZONTAL CONDUIT AND PULLBOXES.
4. PULL NEW HORIZONTAL CABLING FROM NEW TR TO OUTLETS
5. INSTALL NEW CAT 6A CABLING.
6. TERMINATE CABLING IN NEW TR PATCH PANELS.
7. NEATLY COIL CABLING AT EXISTING OR ETR LOCATIONS FOR CUTOVER TO NEW RACKS AND PATCH PANELS.
8. NEATLY COIL CABLING ABOVE CEILING AT OUTLET LOCATIONS FOR CUTOVER TO NEW TR.

PHASE 4 - CUTOVER

1. OIT INSTALLATION OF NETWORK SWITCHES AT EACH TR PLANNED FOR CUTOVER
2. REMOVE EXISTING OUTLET CABLING FROM OUTLET AND ROUTE NEW CAT 6A CABLING INTO OUTLET.
3. NEATLY COIL EXISTING CABLING ABOVE CEILING.
4. TERMINATE AND TEST NEW CABLING.
5. OIT CUTOVER AND PATCHING TO NETWORK SWITCHES.

PHASE 5 - DEMOLITION

1. REMOVE OLD FIBER OPTIC BACKBONE CABLING FROM EACH OLD TR FOLLOWING SUCCESSFUL CUTOVER TO NEW TR.
2. OTHER EXISTING SYSTEMS IN OLD TR TO REMAIN FUNCTIONAL.
3. REMOVE OLD HORIZONTAL CABLING FROM EACH OUTLET BACK TO ITS SOURCE FOLLOWING SUCCESSFUL CUTOVER.
4. REMOVE ALL RACK MOUNTED COPPER AND FIBER OPTIC TERMINATION EQUIPMENT FROM OLD EQUIPMENT RACKS IN OLD TRS. REMOVE EQUIPMENT RACKS ONLY IF COMPLETELY EMPTY AFTER DEMOLITION AND VERIFIED WITH OIT.
5. REMOVE AND REINSTALL CEILINGS IN CORRIDORS/ROOMS FOR COMPLETION OF MECHANICAL PIPING ROUTING. CORRIDORS MUST REMAIN OPEN 7AM - 5PM.
6. WORK MUST BE CONDUCTED ON NIGHTS/WEEKENDS. SEE MECHANICAL PHASING NOTES FOR MORE INFORMATION.

PHASE 6 - COMPLETION

1. INSTALL CEILINGS AND SEAL ALL PENETRATIONS IN THE PARTITIONS AFTER REMOVAL OF EQUIPMENT AND CABLING.
2. COMMISSION EQUIPMENT ALL TRs., MCRs AND PROJECT AREAS..WHERE SPECIFIED.

NOTE: REFERENCE FIRE PROTECTION, MECHANICAL, PLUMBING, ELECTRICAL, TECHNOLOGY, AND CIVIL FOR FULL EXTENT OF WORK OF EACH BUILDING.

GENERAL NOTES

1. G.C. TO COORDINATE ARCHITECTURAL DRAWINGS WITH FIRE PROTECTION, MECHANICAL, PLUMBING, ELECTRICAL, TECHNOLOGY, AND CIVIL FOR FULL EXTENT OF THE WORK.
2. "LIMITED WORK" REFERS TO THE SEALING OF PENETRATITIONS FOR EXISTING TELECOMMUNICATIONS ROOMS THAT MEET VA TELECOMMUNICATIONS ROOM STANDARDS.
3. G.C. IS TO VERIFY ALL WALLS GOES UP TO FULL HEIGHT OF STRUCTURE ABOVE.

FENCE GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR ACTUAL GATE SIZE AND LOCKING MECHANISM FOR SWINGING GATES TO COR FOR APPROVAL PRIOR TO ORDERING AND INSTALLING FENCE INCLUDING LOCK OPEN FEATURE.
2. CONTRACTOR SHALL UTILIZE STANDARIZED FENCE PANEL WIDTHS AND HEIGHTS TO THE EXTENT POSSIBLE. CONTRACTOR SHALL USE STANDARD SLIDING/CANTIELEVERED GATE AND SWINGING GATE SIZE IF AT ALL POSSIBLE. DEVIATION BY CONTRACTOR FROM STANDARD SIZE FENCE COMPONENTS MUST BE APPROVED BY COR.
3. ALL SUBMITTALS FOR FENCE DESIGN WILL BE SUBMITTED TO COR FOR APPROVAL
4. POST SIZE DEPENDS ON FENCE HEIGHT, WEIGHT AND WIND LOADS. CONTRACTOR TO PROVIDE SUBMITTALS AND SHOP DRAWINGS TO COR. CONTRACTOR SHALL USE THE VA STANDARD FOR WIND LOADING.
5. CONTRACTOR SHALL ACCOUNT FOR ALL TERRAIN CHANGES IN FENCE MANUFACTURING COST. CONTRACTOR SHALL PROVIDE DECORATIVE METAL FENCING. CONTRACTOR SHALL AT ANY TIME STAGGER FENCE HEIGHTS TO ACCOMODATE FOR ELEVATION OR GRADE CHANGES.

EHRM PROJECT SCOPE

BUILDING	ROOM NUMBER	ROOM NAME	AREA	SCOPE	COMMENTS
BUILDING 03	1454	TELECOMMUNICATIONS RM.	112 SF	MINOR CONSTRUCTION	
BUILDING 04	2110	TELECOMMUNICATIONS RM.	82 SF	MINOR CONSTRUCTION	
BUILDING 04	2111	CONFERENCE RM	216 SF	MINOR CONSTRUCTION	
BUILDING 05	117	EXISTING TELECOMMUNICATIONS RM.	74 SF	MINOR CONSTRUCTION	
BUILDING 05	204	TELECOMMUNICATIONS RM.	121 SF	MINOR CONSTRUCTION	
BUILDING 05	313	EXISTING TELECOMMUNICATION RM.	8 SF	LIMITED WORK	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 06	6-1-C012	IT CLOSET	160 SF		
BUILDING 06	6-1-D013	STORAGE	101 SF	MINOR CONSTRUCTION	
BUILDING 06	6-1-D-007	MEN'S TOILET	Not Enclosed		
BUILDING 06	A104	O&T	217 SF	MINOR CONSTRUCTION	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 06	B103	VACANT OFFICE	141 SF	MINOR CONSTRUCTION	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 06	C302	TELECOMMUNICATIONS RM.	146 SF	LIMITED WORK	
BUILDING 06	D203	TELECOMMUNICATIONS RM.	111 SF	MINOR CONSTRUCTION	
BUILDING 06	D206	STORAGE	Not Placed	MINOR CONSTRUCTION	
BUILDING 07	B09	EXISTING TELECOMMUNICATION RM.	124 SF	LIMITED WORK	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 20	20-1-030	TELECOMMUNICATIONS RM.	151 SF	MINOR CONSTRUCTION	
BUILDING 43	A156	TELECOMMUNICATIONS RM.	124 SF	MINOR CONSTRUCTION	
BUILDING 43	A201	TELECOMMUNICATIONS RM.	108 SF	MINOR CONSTRUCTION	
BUILDING 43	A303	EXISTING TELECOMMUNICATION RM.	22 SF	LIMITED WORK	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 70	A-100	TELECOMMUNICATIONS RM.	55 SF	MINOR CONSTRUCTION	
BUILDING 70	B-39	TELECOMMUNICATIONS RM.	424 SF	MINOR CONSTRUCTION	
BUILDING 70	C-17EC	TELECOMMUNICATIONS RM.	225 SF	MINOR CONSTRUCTION	
BUILDING 70	D-125	EXISTING TELECOMMUNICATION RM.	117 SF	MINOR CONSTRUCTION	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 70	E-2B	TELECOMMUNICATIONS RM.	213 SF	MINOR CONSTRUCTION	
BUILDING 97	005	TELECOMMUNICATIONS RM.	106 SF	LIMITED WORK	
BUILDING 102	100FC	EXISTING TELECOMMUNICATION RM.	21 SF	LIMITED WORK	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 102	144	TELECOMMUNICATIONS RM.	90 SF	LIMITED WORK	
BUILDING 102	B100FC	TELECOMMUNICATIONS RM.	124 SF	LIMITED WORK	
BUILDING 107	200	TELECOMMUNICATIONS RM.	105 SF	LIMITED WORK	
BUILDING 108	114	TELECOMMUNICATIONS RM.	51 SF	LIMITED WORK	
BUILDING 108	200	TELECOMMUNICATIONS RM.	78 SF	MINOR CONSTRUCTION	
BUILDING 109	B001	TELECOMMUNICATIONS RM.	62 SF	LIMITED WORK	
BUILDING 111	1180	TELECOMMUNICATIONS RM.	116 SF	MINOR CONSTRUCTION	
BUILDING 111	1470	DEMARC ROOM	262 SF	MINOR CONSTRUCTION	
BUILDING 111	1471	SUBSTATION ROOM	613 SF	MINOR CONSTRUCTION	
BUILDING 111	1472	ELECTRICAL ROOM	906 SF	MINOR CONSTRUCTION	
BUILDING 111	1473	TELECOMMUNICATIONS RM.	176 SF	MINOR CONSTRUCTION	
BUILDING 111	1537B	TELECOMMUNICATIONS RM.	191 SF	MINOR CONSTRUCTION	
BUILDING 111	2235	TELECOMMUNICATIONS RM.	128 SF	MINOR CONSTRUCTION	
BUILDING 111	2428A	TELECOMMUNICATIONS RM.	143 SF	MINOR CONSTRUCTION	
BUILDING 111	2557	TELECOMMUNICATIONS RM.	173 SF	MINOR CONSTRUCTION	
BUILDING 111	3308	TELECOMMUNICATIONS RM.	121 SF	MINOR CONSTRUCTION	
BUILDING 111	4315	TELECOMMUNICATIONS RM.	143 SF	MINOR CONSTRUCTION	
BUILDING 111	5311	TELECOMMUNICATIONS RM.	239 SF	MINOR CONSTRUCTION	
BUILDING 111	6410A	TELECOMMUNICATIONS RM.	153 SF	MINOR CONSTRUCTION	
BUILDING 111	7409	TELECOMMUNICATIONS RM.	105 SF	MINOR CONSTRUCTION	
BUILDING 111	8409	TELECOMMUNICATIONS RM.	108 SF	MINOR CONSTRUCTION	
BUILDING 111	8412	HAC	17 SF	MINOR CONSTRUCTION	
BUILDING 111	9409	TELECOMMUNICATIONS RM.	101 SF	MINOR CONSTRUCTION	
BUILDING 111	9412	HAC	16 SF	MINOR CONSTRUCTION	
BUILDING 111	10409	TELECOMMUNICATIONS RM.	76 SF	MINOR CONSTRUCTION	
BUILDING 111	10412	HAC	16 SF	MINOR CONSTRUCTION	
BUILDING 111	B0423	TELECOMMUNICATIONS RM.	106 SF	MINOR CONSTRUCTION	
BUILDING 111	B0610E	TELECOMMUNICATIONS RM.	159 SF	MINOR CONSTRUCTION	
BUILDING 111	B0622	TELECOMMUNICATIONS RM.	129 SF	MINOR CONSTRUCTION	
BUILDING 112	108	EXISTING TELECOMMUNICATION RM.	63 SF	LIMITED WORK	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 113	100	SWITCHGEAR RM	629 SF	LIMITED WORK	
BUILDING 113	105	TELECOMMUNICATIONS RM.	100 SF	LIMITED WORK	
BUILDING 113	106	REFRIGERATION ROOM	Not Enclosed	LIMITED WORK	
BUILDING 123	A107	TELECOMMUNICATIONS RM.	57 SF	MINOR CONSTRUCTION	
BUILDING 123	B113	TELECOMMUNICATIONS RM.	77 SF	MINOR CONSTRUCTION	
BUILDING 123	C113	TELECOMMUNICATIONS RM.	71 SF	MINOR CONSTRUCTION	
BUILDING 123	D113	TELECOMMUNICATIONS RM.	75 SF	MINOR CONSTRUCTION	
BUILDING 123	E105E	TELECOMMUNICATIONS RM.	57 SF	MINOR CONSTRUCTION	
BUILDING 123	E105E	TELECOMMUNICATIONS RM.	58 SF	MINOR CONSTRUCTION	
BUILDING 144	146	TELECOMMUNICATIONS RM.	85 SF	MINOR CONSTRUCTION	
BUILDING 144	175	TELECOMMUNICATIONS RM.	104 SF	MINOR CONSTRUCTION	
BUILDING 144	G22	TELEPHONE RM.	88 SF	MINOR CONSTRUCTION	
BUILDING 144	G68	TELECOMMUNICATIONS RM.	154 SF	MINOR CONSTRUCTION	
BUILDING 146	005	EXISTING TELECOMMUNICATION RM.	98 SF	LIMITED WORK	EXISTING TELECOMMUNICATION RM. TO REMAIN.
BUILDING 147	002	TELECOMMUNICATIONS RM.	100 SF	LIMITED WORK	
BUILDING 148	002	TELECOMMUNICATIONS RM.	101 SF	LIMITED WORK	

Graphic Scale : 1" = 1'-0"
Graphic Scale : 1 1/2" = 1'-0"
Graphic Scale : 3/16" = 1'-0"
Graphic Scale : 1/4" = 1'-0"
Graphic Scale : 1/8" = 1'-0"
Graphic Scale : 3/32" = 1'-0"
Graphic Scale : 1/32" = 1'-0"

Revisions:	Date:

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REBECCA C. OLSON
001.011032
STATE OF ILLINOIS
9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SITE PLAN REFERENCE & ARCHITECTURE ROOM SCHEDULE & PHASING NOTES
Phase	FINAL BID DOCUMENTS
Project Title	EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI
Project Number	695-21-700
Building Number	
Approved:	
Sprinklered	FULLY SPRINKLERED
Location	5000 W. NATIONAL AVENUE MILWAUKEE, WI
Issue Date	SEPTEMBER 5, 2025
Checked	RCO
Drawn	EM
Drawing Number	GI104

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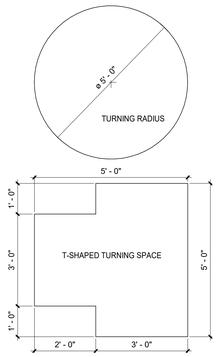
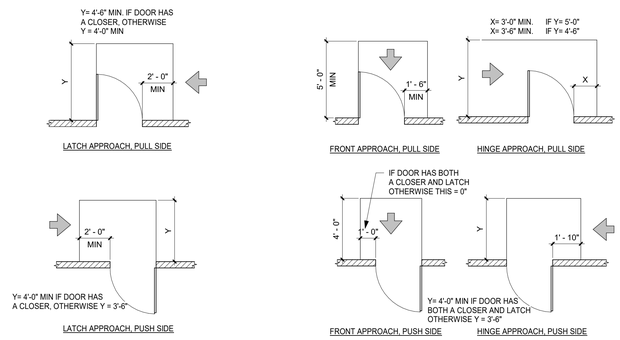
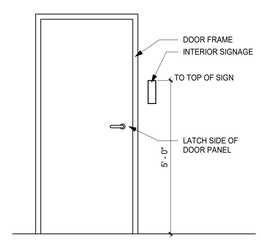


1 TURNING SPACE
NTS



2 TYPICAL DOOR APPROACH DETAILS
NTS



GENERAL NOTES:

1. PROVIDE INTERIOR SIGNAGE FOR EVERY DOOR/ROOM UNLESS NOTED OTHERWISE (REFER TO FINISH DRAWINGS).
2. ALL FINAL ROOM NAMES SHALL BE APPROVED BY ARCHITECT/OWNER PRIOR TO SIGN FABRIACATION.
3. AT LOCATIONS WHERE THERE ISN'T AVAILABLE WALL SPACE TO INSTALL THE INTERIOR SIGNAGE AS INDICATED, OBTAIN ARCHITECT'S INSTRUCTION PRIOR TO INSTALLATION.
4. AT LOCATIONS WHERE THERE ISN'T AVAILABLE WALL SPACE, BUT AVAILABLE WINDOW SPACE, ADHERE INTERIOR SIGNAGE WITH DOUBLE SIDED TAPE TO PROVIDE A PERMANENT INSTALLATION. PROVIDE A BLANK PANEL OF THE SAME COLOR, SIZE, AND MATERIAL FOR THE BACK SIDE OF THE SIGN TO BE INSTALLED ON THE GLASS.

3 GENERAL - SIGNAGE
NTS

ACCESSIBLE SIGNAGE REQS

CHARACTER PROPORTIONS:

LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10, UTILIZING AN UPPER CASE "X" FOR MEASUREMENT.

CHARACTER HEIGHT:

SEE LETTER AND NUMBER HEIGHT CHART BELOW
"EXCEPTION: CHARACTER HEIGHT SHALL BE 5/8" HIGH MINIMUM FOR BUILDING DIRECTORIES.

PICTOGRAMS:

WHERE PICTOGRAMS ARE REQUIRED, THEY SHALL HAVE A 6" MINIMUM SIZE MEASURED AT THE BORDER. WHERE TEXT DESCRIPTORS FOR PICTOGRAMS ARE REQUIRED, THEY SHALL COMPLY WITH THE TACTILE CHARACTER PROVISIONS OF RAISED CHARACTERS AND SYMBOLS, BRAILLE, AND LOCATION OF TACTILE SIGNAGE PORTIONS BELOW.

FINISH AND CONTRAST:

THE CHARACTERS, SYMBOLS AND BACKGROUND OF SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND BRAILLE, AND LOCATION OF TACTILE SIGNAGE PORTIONS BELOW. LIGHT BACKGROUND.

RAISED CHARACTERS AND SYMBOLS:

CHARACTERS AND SYMBOLS ON TACTILE SIGNS SHALL BE RAISED 1/32" MINIMUM. RAISED CHARACTERS AND SYMBOLS SHALL BE IN UPPERCASE CHARACTERS. RAISED CHARACTERS AND SYMBOLS SHALL BE 5/8" HIGH MINIMUM, AND 2" MAXIMUM. RAISED CHARACTERS AND SYMBOLS SHALL BE ACCOMPANIED BY BRAILLE IN ACCORDANCE WITH THE PROVISIONS OUTLINED BELOW.

BRAILLE:

BRAILLE SHALL BE SEPARATED 1/2" MINIMUM FROM THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS. BRAILLE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS FOR ELEVATOR CONTROLS SHALL BE PLACED 3/16" MINIMUM BELOW THE CORRESPONDING CHARACTERS OR SYMBOLS. BRAILLE SHALL BE GRADE II AND SHALL CONFORM TO SPECIFICATION #800, NATIONAL LIBRARY SERVICE, LIBRARY OF CONGRESS.

LOCATION OF TACTILE SIGNAGE:

TACTILE SIGNAGE SHALL BE LOCATED ALONGSIDE THE DOOR ON THE LATCH SIDE AND SHALL BE MOUNTED AT 60" ABOVE THE ADJACENT FINISHED FLOOR TO THE CENTERLINE OF THE SIGN. IN LOCATIONS HAVING DOUBLE DOORS, TACTILE SIGNS SHALL BE MOUNTED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.

GENERAL NOTES:

ANY ADDITIONAL TEXT REQUIRED DUE TO LOCAL ORDINANCES (FINES FOR PARKING IN ACCESSIBLE SPACES, ETC.) SHALL COMPLY WITH THE SIGNAGE REQUIREMENTS ABOVE.

ALL INTERIOR SIGNAGE WITHIN THE ASC SHALL CONFORM TO THE REQUIREMENTS OF ADA 2010 AND ANY OTHER STATE OR LOCAL APPLICABLE CODES.

LETTER AND NUMBER HEIGHTS

HEIGHT ABOVE FLOOR/ GROUND:	MIN. CHARACTER HEIGHT:
GREATER THAN 80" (6'-8") AFF	3"
GREATER THAN 60" (5'-0") AFF BUT LESS THAN 80" (6'-8") AFF	2"
GREATER THAN 48" (4'-0") AFF BUT LESS THAN 60" (5'-0") AFF	1"

NOTES

1. SEE SPECIFICATIONS FOR MANUFACTURERS INFORMATION ON ALL TOILET ACCESSORIES.
2. ALL SOAP DISPENSERS, PAPER TOWEL DISPENSERS, TOILET PAPER DISPENSERS & HAND SANITIZER DISPENSERS TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED. LOCATIONS SHOWN FOR FACILITY.
3. FOR ALL TOILET ROOMS, REFER TO BLOX VENDOR DRAWINGS FOR PARTITION TYPES & DETAILS AND BLOCKING REQUIREMENTS FOR TOILET ACCESSORIES.
4. ALL TOILET LOCATIONS, WHETHER NOTED OR NOT, SHALL BE PROVIDED WITH THE FOLLOWING UNLESS OTHERWISE NOTED:
   a) ONE MIRROR
   b) ONE TOILET PAPER DISPENSER
   c) ONE ROBE HOOK - MOUNTED BEHIND STALL DOORS.

Revisions:	Date:

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STATE OF ILLINOIS
9.5.2025

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

Drawing Title: ABA INFORMATION	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number:
Approved:	Sprinklered:	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: GI105
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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Infection Control Construction Permit

Project number:	Permit No:
Location of Construction:	Project Start Date:
Project Coordinator:	Estimated Duration:
Contractor Performing Work:	Permit Expiration Date:
Supervisor:	Telephone:

YES	NO	CONSTRUCTION ACTIVITY	YES	NO	INFECTION CONTROL RISK GROUP
	X	TYPE A: Inspection, Non-invasive activity		X	GROUP 1: Low Risk
X		TYPE B: Small scale, short duration, Moderate to high levels	X		GROUP 2: Medium Risk
	X	TYPE C: Activity generates moderate to high levels of dust, requires greater 1 work shift for completion		X	GROUP 3: High Risk
	X	TYPE D: Major duration and construction activities requiring consecutive work shifts		X	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.	3. Minor demolition for remodeling
CLASS II	1. Provides active means to prevent air-borne dust from dispersing 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:	1. Obtain infection control permit before construction begins. 2. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. 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 Eng. Services Dept.	6. Vacuum work with HEPA filtered vacuums. 7. Wet mop with disinfectant. 8. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 9. Contain construction waste before transport in tightly covered containers. 10. Cover transport receptacles or carts. Tape covering. 11. Remove or isolate HVAC system in areas where work is being performed.
CLASS IV Date: Initials:	1. Obtain infection control permit before construction begins. 2. Isolate HVAC system in area where work is being done to prevent contamination of duct system. 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. 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 the Environmental Service Dept. 9. Vacuum work area with HEPA filtered vacuums. 10. Wet mop with disinfectant. 11. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 12. Contain construction waste before transport in tightly covered containers. 13. Cover transport receptacles or carts. Tape covering. 14. Remove or isolate HVAC system in areas where it is being done.

Additional Requirements:

Date/Initials:	Exceptions/Additions to this permit are noted by attached memoranda: Date/Initials:
Permit Requested By:	Permit Authorized By:
Date:	Date:

Infection Control Risk Assessment
Matrix of Precautions for Construction & Renovation

Step One:
Using the following table, *identify* the Type of Construction Project Activity (Type 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) ▪ wall covering, electrical trim work, minor plumbing, and activities which do not generate dust or require cutting of walls or access to ceilings other than for visual inspection.
TYPE B	Small scale, short duration activities which create minimal dust. Includes, but is not limited to: ▪ installation of telephone and computer cabling ▪ access to chase spaces ▪ Cutting of walls or ceiling where dust migration can be controlled.
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: ▪ sanding of walls for painting or wall covering ▪ removal of floor coverings, ceiling tiles and casework ▪ new wall construction ▪ minor duct work or electrical work above ceilings ▪ major cabling activities ▪ 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 ▪ requires heavy demolition or removal of a complete cabling system ▪ new construction.

STEP 1: ___TYPE C_____

Step Two:
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 ▪ Outpatient clinics not listed in a higher risk category	▪ Cardiology ▪ Echocardiography ▪ Endoscopy ▪ Nuclear Medicine ▪ Physical Therapy ▪ Radiology/MRI ▪ Respiratory Therapy ▪ Inpatient Behavioral/Mental Health ▪ Special Procedures ▪ Wound Clinic ▪ Women's Clinic ▪ Surgery Clinic	▪ CCU ▪ Emergency Room ▪ Labor & Delivery ▪ Laboratories (specimen) ▪ Newborn Nursery ▪ Outpatient Surgery ▪ Pediatrics ▪ Pharmacy ▪ Post Anesthesia Care Unit ▪ Surgical Units ▪ Medical Units ▪ Outpatient dialysis	▪ Any area caring for immune-compromised patients ▪ Burn Unit ▪ Cardiac Cath Lab ▪ Central Sterile Supply ▪ Intensive Care Units ▪ Negative pressure isolation rooms ▪ Oncology/infusion ▪ Operating rooms including C-section rooms

Step 2 MEDIUM RISK
_____

Step Three:

Class I-IV or Color-Coded Precautions are delineated on the following page.

IC Matrix – Class of Precautions: Construction Project by Patient Risk

Patient Risk Group	Construction Project Type 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 approval will be required when the Construction Activity and Risk Level indicate

Step 3 TYPE III C_____

Description of Required Infection Control Precautions by Class

	During Construction Project	*Upon Completion of Project*
CLASS I	1. Execute work by methods to minimize raising dust from construction operations. 2. Immediately replace a ceiling tile displaced for visual inspection.	
CLASS II	1. Provide active means to prevent airborne dust from dispersing 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. Place dust mat at entrance and exit of work area. 6. Remove or isolate HVAC system in areas where work is being performed.	1. Wipe work surfaces with disinfectant. 2. Contain construction waste before transport in tightly covered containers. 3. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 4. Remove isolation of HVAC system in areas where work is being performed.
CLASS III	1. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers i.e. sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Contain construction waste before transport in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid.	1. Do not remove barriers from work area until completed project is inspected by the owner's Safety Department and Infection Control Department and thoroughly cleaned by the owner's Environmental Services Department. 2. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 3. Vacuum work area with HEPA filtered vacuums. 4. Wet mop area with disinfectant. 5. Remove isolation of HVAC system in areas where work is being performed.
CLASS IV	1. Isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers i.e. sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Seal holes, pipes, conduits, and punctures appropriately. 5. 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. 6. All personnel entering work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area. 7. Do not remove barriers from work area until completed project is inspected by the owner's Safety Department and Infection Control Department and thoroughly cleaned by the owner's Environmental Services Department.	1. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction. 2. Contain construction waste before transport in tightly covered containers. 3. Cover transport receptacles or carts. Tape covering unless solid lid. 4. Vacuum work area with HEPA filtered vacuums. 5. Wet mop area with disinfectant. 6. Remove isolation of HVAC system in areas where work is being performed.

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

Unit Below	Unit Above	Lateral	Lateral	Behind	Front
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.

_____

Step 6. Identify issues related to: ventilation, plumbing, electrical in terms of the occurrence of probable outages.

_____

Step 7. Identify containment measures, using prior assessment. What types of barriers? (E.g., solids wall barriers); Will HEPA filtration be required?
LIFE BARRIER PANEL

_____

Step 8. Consider potential risk of water damage. Is there a risk due to compromising structural integrity? (e.g., wall, ceiling, roof)
NA

_____

Step 9. **Work hours: Can or will the work be done during non-patient care hours?**
AFTER HOURS

_____

Step 10. Do plans allow for adequate number of isolation/negative airflow rooms?
NA

_____

Step 11. Do the plans allow for the required number & type of hand washing sinks?
NA

_____

Step 12. Does the infection control staff agree with the minimum number of sinks for this project?

NA

_____

(Verify against AIA Guidelines for types and area)

Step 13. Does the infection control staff agree with the plans relative to clean and soiled utility rooms?

NA

_____

Step 14. Plan to discuss the following containment issues with the project team. E.g., traffic flow, housekeeping, debris removal (how and when)

GC TO PROVIDE LIFE SAFETY PLAN

Appendix: Identify and communicate the responsibility for project monitoring that includes infection control concerns and risks. The ICRA may be modified throughout the project. Revisions must be communicated to the Project Manager.

INFECTION CONTROL

INFECTION CONTROL GENERAL NOTES:
1. ISOLATE EXISTING HVAC SYSTEM IN AREAS WHERE WORK IS TO BE PERFORMED. ALL AIR VENTS MUST BE SEALED OFF NEAR THE CONSTRUCTION AREA AS REQUIRED AFTER COORDINATION WITH COR TO ENSURE NON-INTERFERENCE WITH HVAC AND NEGATIVE PRESSURE SYSTEMS. DUST TO BE CONTROLLED WITHIN THE WORK SITE FROM FLOOR TO DECK.
2. TRAFFIC CONTROL: DESIGNATED ENTRY AND EXIT PROCEDURES WILL BE DEFINED AND CLEARLY ARTICULATED WITH CONSTRUCTION SIGNAGE TO BE PROVIDED BY THE CONTRACTOR. ALL EGRESS WAYS MUST BE MAINTAINED FREE OF DEBRIS AT ALL TIMES. THEY MUST BE UTILIZED AT SCHEDULED TIMES ONLY AS COORDINATED WITH COR. DUST MATS MUST BE PLACED AT ENTRANCES/EXITS OF WORK AREA AND REPLACED DAILY OR MORE FREQUENTLY IF NECESSARY. DEBRIS WHEN TRANSPORTED THROUGH HOSPITAL AREAS MUST BE COMPLETELY TIGHTLY COVERED TO CONTAIN DUST DURING TRANSPORT. DEBRIS SHALL BE REMOVED IN EVENINGS OR NON-DUTY TIMES IF POSSIBLE. ALL CART WHEELS MUST BE CLEANED BEFORE LEAVING THE CONSTRUCTION AREA.
3. CLEANING: THE CONSTRUCTION ZONE AND ADJACENT ENTRY AREA SHALL BE MAINTAINED IN A CLEAN AND SANITARY MANNER BY THE CONTRACTOR AND WILL BE HIGH EFFICIENCY PARTICULATE AIR (HEPA) VACUUMED AND WET MOPPED WITH DISINFECTANT DAILY OR MORE FREQUENTLY AS NEEDED TO MINIMIZE DUST GENERATION. CLOTHING SHALL BE FREE OF LOOSE SOIL AND DEBRIS UPON EXITING THE CONSTRUCTION ZONE. PROVIDE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING FACE SHIELDS, GLOVES, AND N95 RESPIRATORS REQUIRED BY THE SAFETY SPECIFICATION.
4. INFECTION CONTROL CONSTRUCTION PERMIT: CONTRACTOR TO OBTAIN INFECTION CONTROL PERMIT BEFORE CONSTRUCTION BEGINS..
5. STAGING AREAS WILL BE DESIGNATED BY THE COR. CONTRACTOR TO COORDINATE WITH THE COR PRIOR TO CONSTRUCTON.
6. THE CONTRACTOR SHALL COORDINATE WITH RISK ASSESSMENT DOCUMENTATION AND THE COR PRIOR TO IMPLEMENTATION.
7. CONTRACTOR TO PROVIDE PROTECTION ABOVE CEILING WITHIN THE CONTAINMENT AREA, IF EXISTING WALLS AND/OR PARTITIONS DO NOT EXTEND TO THE STRUCTURE ABOVE.
8. COORDINATE WITH MEP/FP.
9. ICRA PLANS DENOTE TOTAL DEFINED AREAS OF WORK ON ALL AFFECTED LEVELS. THE VA MAY, BASED ON DYNAMIC UNFORESEEN VARIABLES (PATIENT CENSUS, OTHER PROJECTS, ETC.), REQUIRE THE GENERAL CONTRACTOR TO MODIFY EXTENTS AND AREA SIZES OF ICRA BARRIERS. ANY SUCH MODIFICATION WILL REQUIRE THE SAME REQUISITE PROVISIONS REQUIRING CONTAINMENT (ANTE ROOM, WALK-OFF MATS, ETC.) AIR-PRESSURIZATION CRITERIA, AND IDENTIFICATION AS NOTED ON SHEET GI-103 TO GI-106.

ENVIRONMENTAL CONTROLS:
TYPE OF CONSTRUCTION ACTIVITY - TYPE C:
WORK THAT GENERATES MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES.
INCLUDES, BUT IT NOT LIMITED TO:
- SANDING OF WALLS FOR PAINTING FOR WALL COVERING
- REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASEWORK
- NEW WALL CONSTRUCTION
- MINOR DUCT WORK OR ELECTRICAL WORK ABOVE CEILINGS
- MAJOR CABLING ACTIVITIES
- ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORKSHIFT.

INFECTION CONTROL PRECAUTIONS FOR CLASS II
DURING CONSTRUCTION PROJECT:

1. PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING 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. PLACE DUST MAT AT ENTRANCE AND EXIT OF WORK AREA
6. REMOVE OR ISOLATE HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

UPON COMPLETION OF PROJECT:
1. WIPE WORK SURFACES WITH DISINFECTANT.
2. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
3. WET SERVICE AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.
4. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

Revisions:	Date:

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9.5.2025

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

Drawing Title: ICRA DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	Drawing Number: GI106

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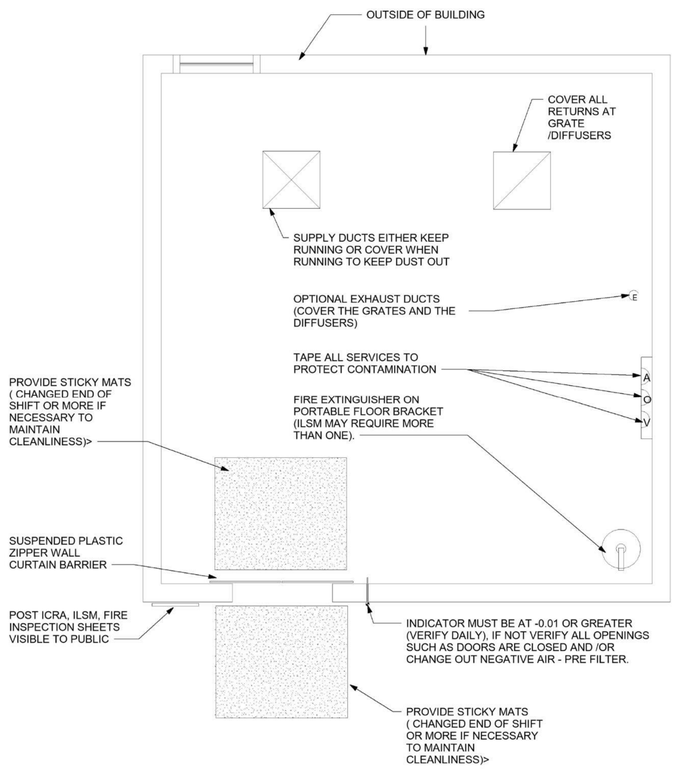
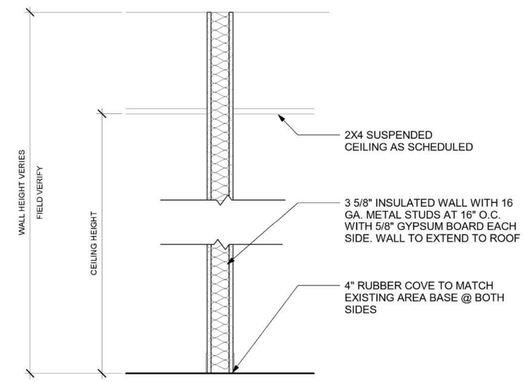
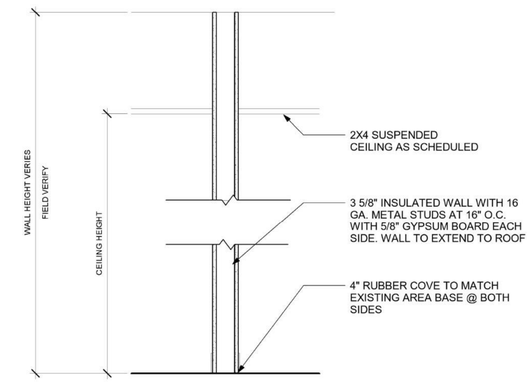
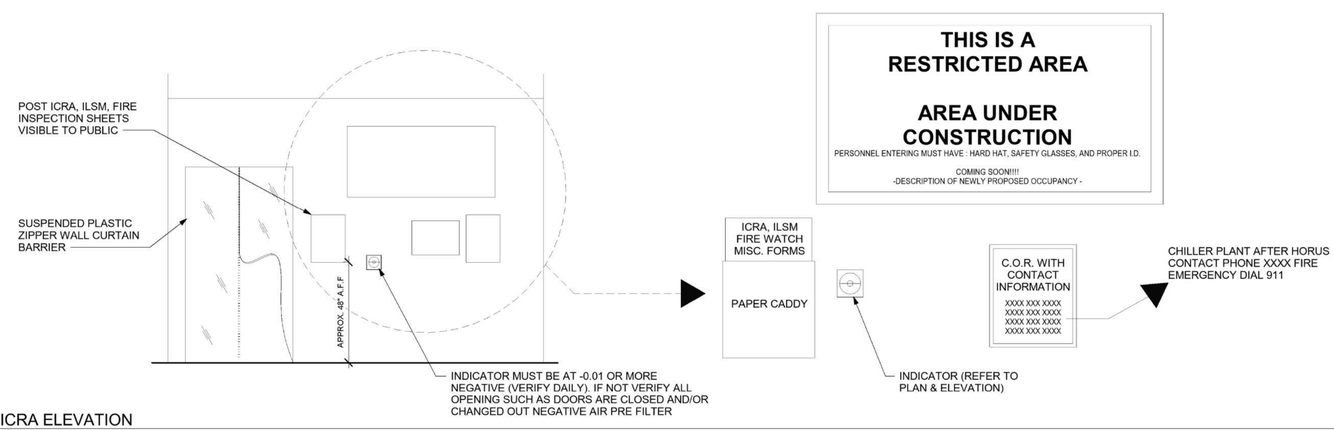


2 TYPICAL CONSTRUCTION LAYOUT - CLASS I & CLASS II
1/4" = 1'-0"





3 ICRA WALL TYPES
1" = 1'-0"



1 ICRA ELEVATION
1/4" = 1'-0"

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VA U.S. Department of Veterans Affairs

Drawing Title: ICRA DETAILS CLASS 1 & 2	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	Drawing Number: GI107

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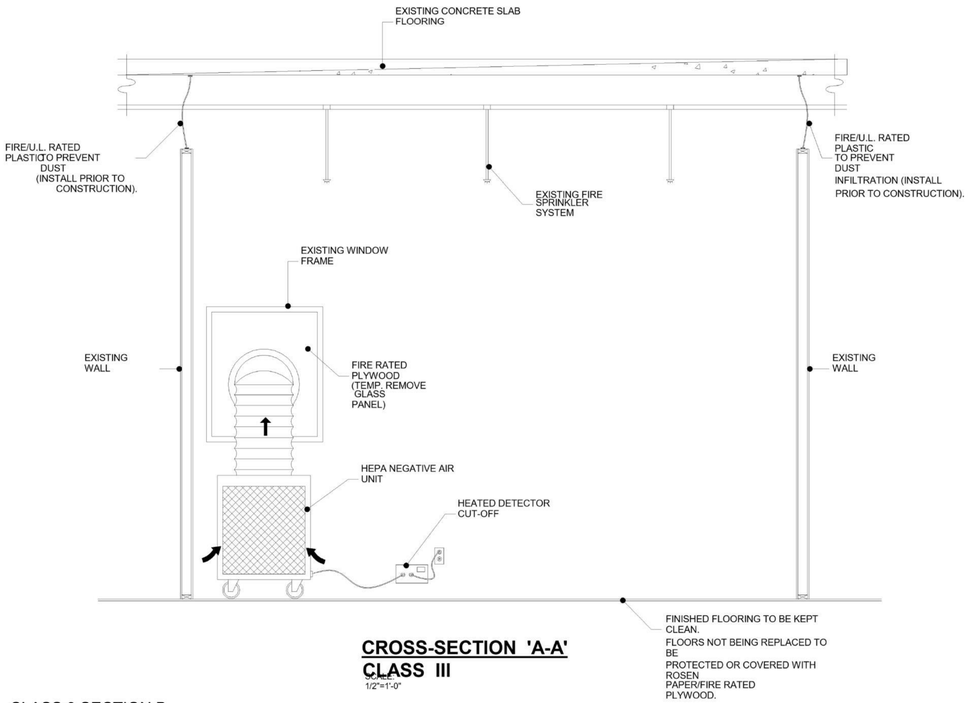
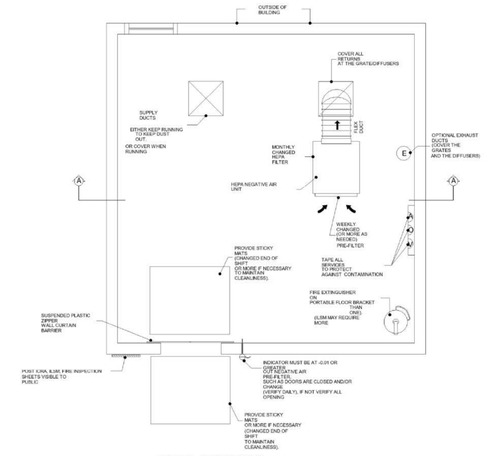


CROSS-SECTION 'A-A'
CLASS III
SCALE: 1/2"=1'-0"

4 CLASS 3 SECTION B
1/2" = 1'-0"



TYPICAL ALTERNATIVE CONSTRUCTION LAYOUT
CLASS III

2 CLASS 3 ALT
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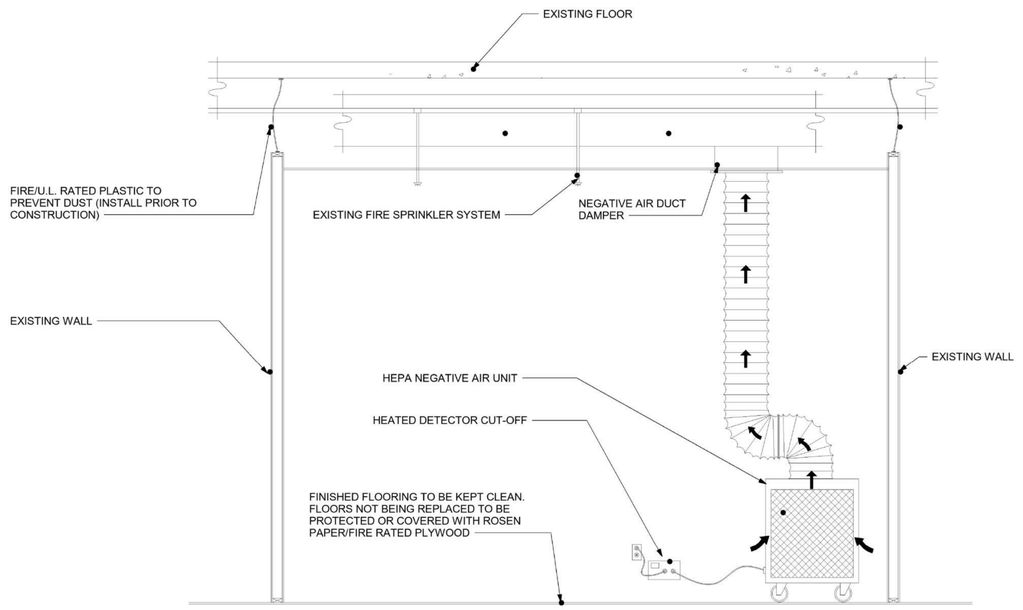

3 CLASS 3 SECTION A
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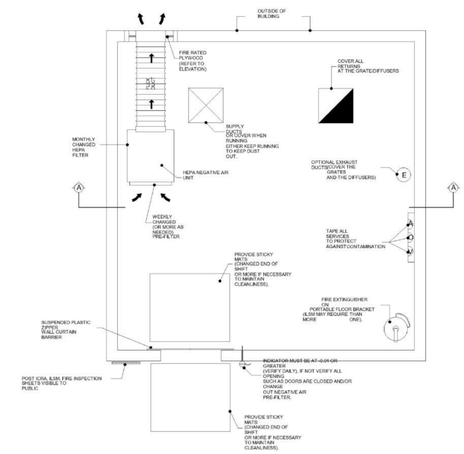

TYPICAL IDEAL CONSTRUCTION LAYOUT
CLASS III
NTS

1 CLASS 3 ICRA PLANS
1/4" = 1'-0"

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Drawing Title ICRA DETAILS CLASS 3	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	**Project Number** 695-21-700
Approved:	**Sprinklered** FULLY SPRINKLERED	**Location** 5000 W. NATIONAL AVENUE MILWAUKEE, WI	**Building Number**
		Issue Date SEPTEMBER 5, 2025 / **Checked** RCO / **Drawn** EM	**Drawing Number** GI108

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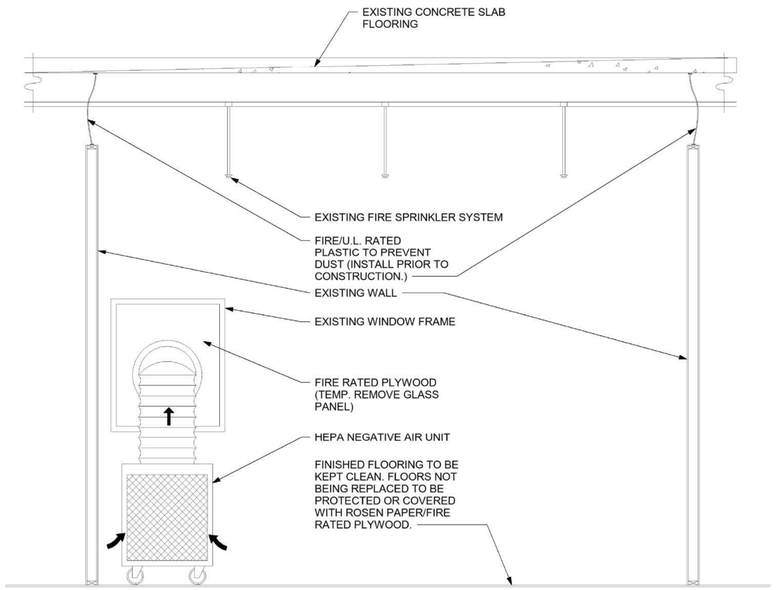

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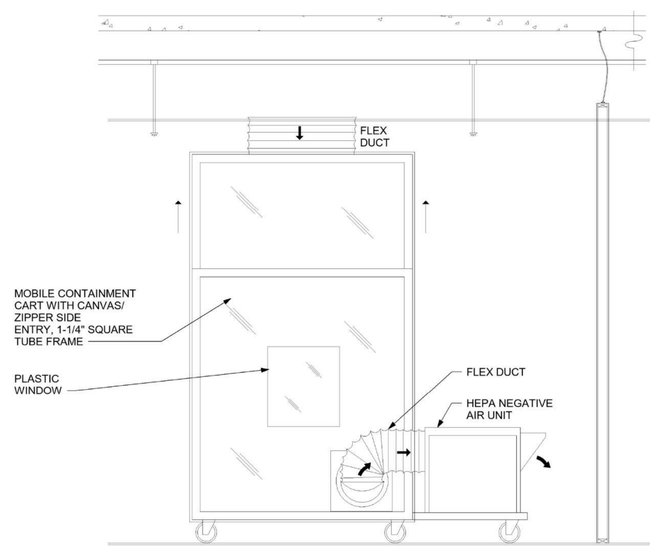

MOBILE CONTAINMENT CART

2 CLASS 4 SECTIONS
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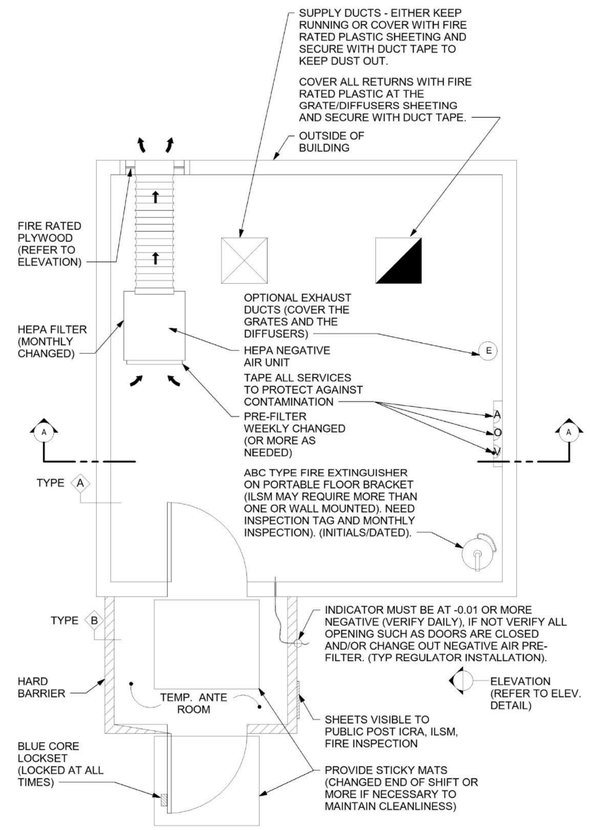

TYPICAL IDEAL CONSTRUCTION LAYOUT CLASS IV

1 CLASS 4 PLAN
1/4" = 1'-0"

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Drawing Title: CLASS IV ICRA DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
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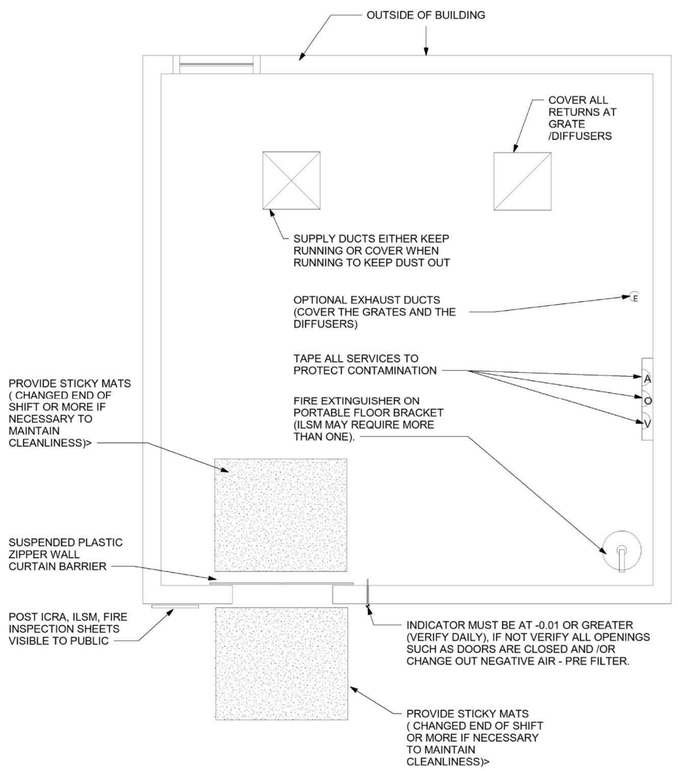
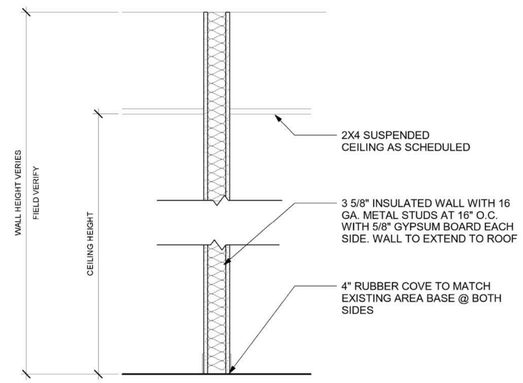
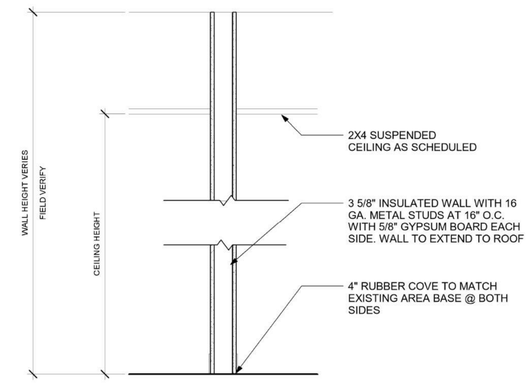


2 TYPICAL CONSTRUCTION LAYOUT - **CLASS IV**
1/4" = 1'-0"





3 ICRA WALL TYPES
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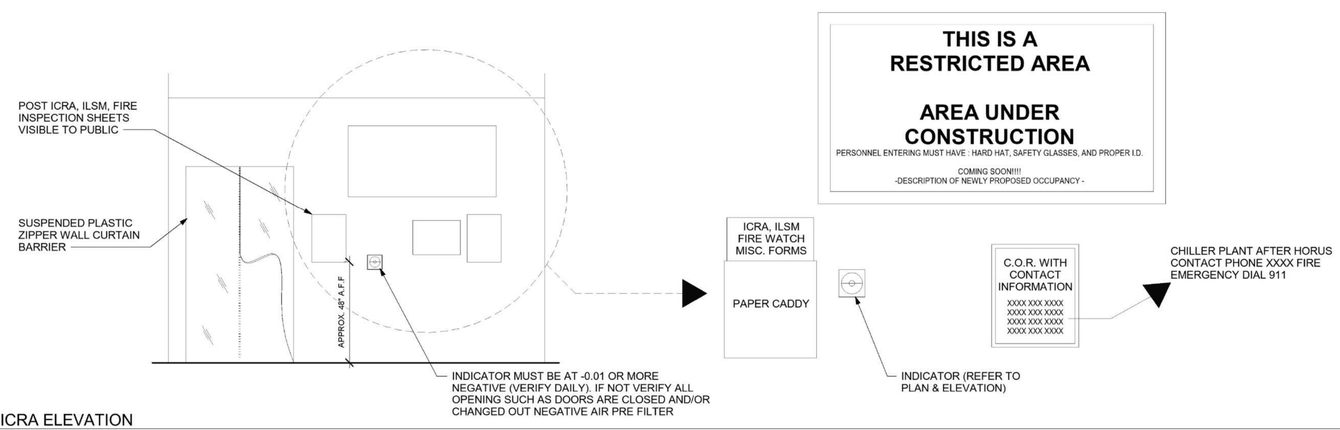

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Drawing Title: CLASS IV ICRA DETAILS	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
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APPLICABLE CODES AND STANDARDS

1. THE ORIGINAL BUILDING WAS DESIGNED TO THE 1965 EDITION OF NFPA 101, LIFE SAFETY CODE.
2. THE 1960 PUBLIC BUILDING AMENDMENT ACT (PL100-678) REQUIRES ALL FEDERAL AGENCIES TO FOLLOW THE LATEST EDITIONS OF NATIONALLY RECOGNIZED FIRE AND LIFE SAFETY CODES. THE VA HAS ADOPTED THE NATIONAL FIRECODES PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION. LIFE SAFETY REQUIREMENTS ARESPECIFICALLY ADDRESSED IN THE 2018 EDITION OF NFPA 101, LIFE SAFETY CODE.
3. ALL NEW CONSTRUCTION OR BUILDING RENOVATIONS ARE REQUIRED TO COMPLY WITH THE LATEST EDITION OF NFPA101 OR IT'S REFERENCED STANDARDS. EXISTING BUILDING CONDITIONS ARE REQUIRED TO COMPLY WITH THEAPPLICABLE CODES OR STANDARDS AT THE TIME OF BUILDING DESIGN AND THE APPLICABLE PROVISIONS FOREXISTING BUILDINGS IN CURRENT EDITIONS OF APPLICABLE CODES AND STANDARDS.
4. OTHER NFPA CODES AND STANDARDS:
A. NFPA 10 - PORTABLE FIRE EXTINGUISHERS, 2018 EDITION
B. NFPA 13 - SPRINKLER SYSTEMS, 2019 EDITION
C. NFPA 14 - STANDPIPE SYSTEMS, 2016 EDITION
D. NFPA 20 - FIRE PUMPS, 2019 EDITION
E. NFPA 25 - WATER-BASED FIRE PROTECTION SYSTEMS 2020 EDITION
F. NFPA 70 - NATIONAL ELECTRIC CODE, 2020 EDITION
G. NFPA 72 - NATIONAL FIRE ALARM CODE, 2019 EDITION
H. NFPA 75 - ELECTRONIC COMPUTER EQUIPMENT, 2017 EDITION
I. NFPA 80 - FIRE DOORS, 2019 EDITION
J. NFPA 90A&B - HEATING AND AIR CONDITIONING SYSTEMS, 2018 EDITION
K. NFPA 96 - COMMERCIAL COOKING EQUIPMENT, 2017 EDITION
L. NFPA 99 - HEALTH CARE FACILITIES CODE, 2018 EDITION
M. NFPA 105 - SMOKE DOORS, 2019 EDITION
N. NFPA 110 - EMERGENCY POWER SYSTEMS, 2019 EDITION
O. NFPA 241 - CONSTITUTION AND DEMOLITION, 2019 EDITION

SUITES

1. SUITES ARE UTILIZED TO ILLUSTRATE AREAS WITH THE SAME FUNCTION, USE OF HALLWAYS OR AISLES AND TODEFINE THE END OF PUBLIC EXIT CORRIDORS. NO EXIT SIGNS OUTSIDE OF THE SUITE MAY DIRECT OCCUPANTS INTOA SUITE TO REACH AN EXIT.
2. HEALTH CARE OCCUPANCY SUITES ARE REGULATED BY FUNCTION AND SIZE.
3. HEALTH CARE OCCUPANCY PATIENT SLEEPING SUITES:
A. SINGLE EXIT SUITE - 1,000 SQ. FT. (NFPA 101 -19.2.5.7.2.2)
B. MULTI EXIT SUITE - 5,000 SQ. FT. (NFPA 101 - 19.2.5.7.2.3.A)
C. MULTI EXIT SUITE WITH STANDARD RESPONSE SPRINKLERS OR COMPLETE SMOKE DETECTION - 7,500 SQ. FT.(NFPA 101 - 19.2.5.7.2.3.B)
D. MULTI EXIT SUITE WITH DIRECT VISUAL SUPERVISION, QUICK RESPONSE SPRINKLERS AND COMPLETE SMOKEDETECTION - 10,000 SQ. FT. (NFPA 101 - 19.2.5.7.2.3.C)
4. PATIENT CARE NON - SLEEPING SUITES:
A. SINGLE EXIT SUITE - 2,500 SQ. FT. (NFPA 101 - 19.2.5.7.3.1.B)
B. MULTI EXIT SUITE - 10,000 SQ. FT. (NFPA 101 - 19.2.5.7.3.3)
5. HEALTH CARE OCCUPANCY NON - PATIENT - CARE SUITES FOLLOW THE TRAVEL DISTANCE REQUIREMENTS ASLISTED IN TABLE A.7.6 OF NFPA 101.
6. SUITES IN OTHER OCCUPANCIES ARE NOT REGULATED IN SIZE BUT STILL FOLLOW THE TRAVEL DISTANCEREQUIREMENTS AS LISTED IN TABLE A.7.6 OF NFPA 101.

EXIT SIGN REQUIREMENTS

1. EXITS (STAIRWAYS, HORIZONTAL EXITS AND DIRECT EXTERIOR EXIT DOORS), OTHER THAN EXTERIOR EXIT DOORSTHAT ARE OBVIOUSLY AND CLEARLY IDENTIFIABLE AS EXITS. (GLASS DOORS, VISION PANELS OR ADJACENTWINDOWS) SHALL BE MARKED WITH EXIT SIGNAGE. (SECTION 7.10.1.2.1 OF NFPA 101-2018 EDITION)
2. DIRECTIONAL SIGNS REQUIRED WHERE DIRECTION OF TRAVEL IS NOT APPARENT IN AN EXIT ACCESS CORRIDOR.(SECTION 7.10.2.1 OF NFPA 101-2018 EDITION)
3. DIRECTIONAL SIGNAGE (EXIT PLACARDS) REQUIRED WITHIN HORIZONTAL COMPONENTS OF EXIT STAIRENCLOSURES WHERE EGRESS PATH IS NOT OBVIOUS (SECTIONS 7.10.2.2 AND 7.10.1.2.2 OF NFPA 101-2018 EDITION)
4. MAXIMUM VIEWING DISTANCE TO AN EXIT SIGN IN AN EXIT ACCESS CORRIDOR IS 100 FT. (SECTION 7.10.1.5.2 OF NFPA
101- 2018 EDITION)
5. EXIT SIGNS SHALL BE INSPECTED MONTHLY. (SECTION 7.10.9.1 IF NFPA 101-2018 EDITION)
6. SIGNAGE (EXIT PLACARDS OR EXIT SIGNS) WITH OR WITHOUT DIRECTIONAL ARROWS SHOULD BEPROVIDED IN SUITES USED BY THE GENERAL PUBLIC (LESS THAN 50 TOTAL OCCUPANTS) TO DIRECT THE GENERALPUBLIC BACK TO THE WAITING AREA. (SECTION 7.10.2.1 OF NFPA 101-2018 EDITION)
7. ROOMS OR SUITES OF ROOMS USED FOR 50 OCCUPANTS OR MORE SHALL BE PROVIDED WITH EXIT SIGNAGE.
(SECTIONS 13.2.10.1 AND 3.3.196.2 OF NFPA 101-2018 EDITION)

EQUIVALENCIES

THE VA HAS ELECTIVE ACCREDITATION WITH THE JOINT COMMISSION (TJC) FOR HEALTH CARE FACILITIES. SEE THE MEMORANDUM OF UNDERSTANDING (EFFECTIVE 4 SEPTEMBER, 2017) BETWEEN THE VA AND TJC FORIMPLEMENTATION OF TJC ENVIRONMENT OF CARE (EC) AND LIFE SAFETY (LS) STANDARDS.

THE VA HAS ELECTIVE ACCREDITATION WITH THE LONG-TERM CARE INSTITUTE, INC. (LTCI) FOR COMMUNITY LIVING CENTERS (CLC). SEE THE CLARIFICATION MEMORANDUM (EFFECTIVE MARCH 29, BETWEEN THE VA AND THE LTCI FORIMPLEMENTATION OF LIFE SAFETY REQUIREMENTS.

THE FOLLOWING NATIONWIDE VA EQUIVALENCIES HAVE BEEN REVIEWED AND APPROVED BY THE JOINT COMMISSION AND APPLY TO ALL BUILDINGS:

1. OVERSIZED PROTECTIVE PLATES PERMITTED ON FIRE RATED DOORS
2. BUSINESS OCCUPANCY DEAD END CORRIDORS PERMITTED TO EXCEED 50 FEET
3. SELF-CLOSING DOOR REQUIREMENT FOR CORRIDOR DOORS IN A DORMITORY OCCUPANCY

FIRE SPRINKLER SYSTEM:

1. THE COMBINATION STANDPIPE AND FIRE SPRINKLER SYSTEM WAS DESIGNED TO NFPA 13 AND NFPA 14.
2. QUICK RESPONSE TYPE SPRINKLERS ARE INSTALLED THROUGHOUT MOST OF THE BUILDING. STANDARD RESPONSE TYPE SPRINKLERS ARE INSTALLED IN THE ELEVATOR MACHINE ROOMS (NFPA 13 - 3.3.4.16).
3. SPRINKLERS WERE INSTALLED IN LIGHT HAZARD AREAS INCLUDING; CORRIDORS, OFFICES, PATIENT CARE AND PATIENT SLEEPING ROOMS AT LIGHT HAZARD 0.10 GPM/1500 SQ. FT. DENSITY. MAXIMUM PROTECTIONAREA OF 225 SQ. FT. (NFPA 13 - TABLE 19.3.3.1.2).
4. SPRINKLERS WERE INSTALLED IN ORDINARY HAZARD GROUP I AREAS INCLUDING; LABORATORIES (WITHOUT FLAMMABLE LIQUIDS), MECHANICAL EQUIPMENT ROOMS, ELECTRICAL SWITCH GEAR ROOMS, REPAIRSHOPS AND STORAGE ROOMS UNDER 250 SQ. FT. AT A 0.15 GPM/1500 SQ. FT. DENSITY. MAXIMUM PROTECTION AREA OF 150 SQ. FT. (NFPA 13 - TABLE 19.3.3.1.2).
5. SPRINKLERS WERE INSTALLED IN ORDINARY HAZARD GROUP II AREAS INCLUDING GENERAL STORAGE ROOMS OVER 250 SQ. FT. AND LABORATORIES (WITH THE USE OF FLAMMABLE LIQUIDS) AT A 0.20 GPM/1500 SQ.FT. DENSITY.
6. MAXIMUM DISTANCE FROM SPRINKLERS TO WALLS FOR STANDARD SPRAY SPRINKLERS SHALL NOT EXCEED 7'-6" (NFPA 13 - 10.2.5.2.1). MAXIMUM DISTANCE FROM SPRINKLERS TO WALLS FOR STANDARD SPRAYSPRINKLERS IN SMALL ROOMS (800 SQ. FT. MAXIMUM) SHALL NOT EXCEED 9' FROM ANY SINGLE WALL (NFPA 13 - 10.2.5.2.3).
7. SPRINKLERS SHALL BE INSTALLED UNDER FIXED OBSTRUCTIONS (I.E. DUCTWORK) OVER 4' WIDE (NFPA 13 - 12.1.10.3.2). THE WIDTH OF DUCT INSULATION NOT A FACTOR FOR SPRINKLERS INSTALLED PRIOR TO THE2019 EDITION ON NFPA 13. SPRINKLERS NOT REQUIRED UNDER NON COMBUSTIBLE OBSTRUCTIONS OVER 4' WIDE WHERE THE BOTTOM OF THE OBSTRUCTION IS A MAXIMUM 24" ABOVE THE FLOOR (NFPA 13 -9.5.5.3.1).
8. SPRINKLERS SHALL BE INSTALLED A MAXIMUM 12" BELOW A CEILING OR FLOOR/ROOF DECK (NFPA 13 - 10.2.6.1.1.1) OR A MAXIMUM 22" BELOW A FLOOR/ROOF DECK WITH STRUCTURAL MEMBER OBSTRUCTIONS (NFPA 13 - 10.2.6.1.2).
9. SHELVING ON A WALL OR SHELVING AGAINST A WALL INCLUDING STORAGE THEREON SHALL BE PERMITTED TO EXTEND WITHIN THE 18" SPRINKLERS CLEARANCE BELOW CEILING SPRINKLER DEFLECTORS (NFPA 13-9.5.6.1).
10.WHERE THE 18" CLEARANCE BETWEEN SPRINKLERS AND SHELVING STORAGE CANNOT BE MAINTAINED, SPRINKLERS SHALL BE INSTALLED IN EVERY AISLE PER NFPA 13 - 9.2.5(2).
11.CEILING MOUNTED OBSTRUCTIONS (I.E. PATIENT LIFT TRACKS) WITHIN THE 18" SPRINKLER DISCHARGE CLEARANCE ARE PERMITTED PER NFPA 13 - TABLE 10.2.7.1.2 AND FIGURE 10.2.7.1.2(a).
12.FLOOR MOUNTED OBSTRUCTIONS (I.E. ROOM DIVIDERS OR SHELVING) WITHIN THE 18" SPRINKLER DISCHARGE CLEARANCE ARE PERMITTED PER NFPA 13 - TABLE 10.2.7.2.2 AND FIGURE 10.2.7.2.2.

FIRE SYSTEM:

1. THE FIRE ALARM SYSTEM WAS DESIGNED TO 2019 EDITION OF NFPA 72, NATIONAL FIRE ALARM CODE.
2. PRIVATE MODE BUILDING OCCUPANT NOTIFICATION IS INSTALLED PER SECTIONS 19.3.4.3.1 AND 9.6.3.6.3 OF NFPA 101-2018 EDITION.
3. PRIVATE MODE AUDIBLE DEVICES (SPEAKERS) ARE INSTALLED IN CORRIDORS AND LARGER ROOMS OR SUITES PER SECTION 18.4.4.1 OF NFPA 72 - 2019 EDITION.
4. PRIVATE MODE VISIBLE DEVICES (STROBES) ARE INSTALLED AT REDUCED QUANTITY AND SPACING PER SECTION 18.6 OF THE NFPA 72 - 2019 EDITION.
5. STROBE CIRCUITS ARE REQUIRED TO BE SYNCHRONIZED IN ACCORDANCE WITH SECTION 18.5.4.3.2(3) OF NFPA 72 - 2019 EDITION.
6. TYPICAL SMOKE DETECTORS HAVE A 21 FT. RADIUS OF COVERAGE AREA (NFPA 72 - 17.7.3.2.3.1)
7. SMOKE DETECTORS THAT ARE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM AND LOCATED ON BOTH SIDES OF SMOKE/FIRE DOORS MAY BE SPACED AT MAXIMUM 21' RADIUS FOR DOOR RELEASE SERVICE
(NFPA 72 - 17.7.5.6.1) SMOKE DETECTORS NOT CONNECTED TO THE BUILDING FIRE ALARM SYSTEM AND USED EXCLUSIVELY FOR SMOKE/FIRE DOOR RELEASE SHALL BE LOCATED AND SPACED PER NFPA 72- 17.7.5.6.
8. CEILINGS WITH BEAM DEPTHS OF LESS THAN 10% OF CEILING HEIGHT SHALL BE CONSIDERED A SMOOTH CEILING FOR SMOKE DETECTOR COVERAGE. CEILINGS WITH BEAM DEPTHS GREATER THAN 10% OF CEILINGHEIGHT SHALL HAVE REDUCED SMOKE DETECTOR SPACING COVERAGE (NFPA 72 - 17.7.3.2.4.2).
9. SMOKE DETECTORS SHALL BE LOCATED ON THE CEILINGS THE BOTTOM OF BEAMS OR MAXIMUM 12" DOWN FROM THE CEILING TO TOP OF THE DETECTOR (NFPA 72- 17.7.3.2.1).
10.SMOKE DETECTORS SHALL NOT BE LOCATED DIRECTLY IN THE AIR STREAM OF SUPPLY AIR REGISTERS (NFPA 72- 17.7.6.3.2).

CODE SUMMARY

PROPERTY LOCATION:

5000 W. NATIONAL AVENUE
MILWAUKEE, WISCONSIN

RELEVANT CODES:

- 2018 NFPA 101: LIFE SAFETY CODE, W/AMENDMENTS
- 2020 UNIFORM PLUMBING CODE, W/ AMENDMENTS (IPC)
- 2021 INTERNATIONAL MECHANICAL CODE, W/ AMENDMENTS (IMC)
- 2020 NATIONAL ELECTRICAL CODE, W/ AMENDMENTS (NEC)
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE, W/ AMENDMENTS (ICC)
- 2018 INTERNATIONAL FIRE CODE, W/ AMENDMENTS (ICC)
- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL EXISTING BUILDING CODE

USE/OCCUPANCY CLASSIFICATION:

BLDG. NO.	OCCUPANCY
7	INDUSTRIAL (NFPA CH.40), BUSINESS (NFPA CH. 38)
43	INDUSTRIAL, BUSINESS
70	INDUSTRIAL, BUSINESS
109	INDUSTRIAL, BUSINESS
111	HEALTHCARE (NFPA CH.19), AMBULATORY (NFPA CH. 21), BUSINESS, INDUSTRIAL
123	DORMITORY (NFPA CH. 29)

CONSTRUCTION TYPE (TABLE 19.1.6.1)(TABLE A.4.1.1/CH.4.3):

OCCUPANCY	CONSTRUCTION TYPE
BUSINESS	CONSTRUCTION TYPE II (000)
HEALTHCARE	CONSTRUCTION TYPE II (222)
AMBULATORY	CONSTRUCTION TYPE II (222)

REQUIRED FIRE RESISTANCE RATINGS (PER NFPA 220, TABLE 4.1.1)

BUSINESS OCCUPANCY	CONSTRUCTION TYPE II (000)
COLUMNS	0 HR
BEAMS	0 HR
FLOOR/CEILING ASSEMBLIES	0 HR
ROOF/CEILING ASSEMBLIES	0 HR
INTERIOR NON BEARING WALLS	0 HR
EXTERIOR NON BEARING WALLS	0 HR

HEALTHCARE/AMBULATORY OCCUPANCY	CONSTRUCTION TYPE II (222)
COLUMNS SUPPORT FLOORS/ SUPPORT ROOF ONLY	2 HR/ 1 HR
BEAMS EXTERIOR/ BEAMS INTERIOR	2 HR/ 1 HR
FLOOR/CEILING ASSEMBLIES	2 HR
ROOF/CEILING ASSEMBLIES	1 HR
INTERIOR NON BEARING WALLS	NON COMBUSTIBLE
EXTERIOR NON BEARING WALLS	0 HR
INTERIOR BEARING WALLS	2 HR
EXTERIOR BEARING WALLS	2 HR
INT/EXT (ROOF ONLY)	1 HR

DORMITORY: MINIMUM 1- HOUR FIRE RESISTANCE RATING FOR BUILDINGS 3 OR FEWER STORIES IN HEIGHT.
PROVIDED: BUILDING #123: 1 STORY IN HEIGHT

TABLE A.7.6 COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS (BY OCCUPANCY)

OCCUPANCY	COMMON PATH LIMIT	DEAD END LIMIT	TRAVEL DISTANCE LIMIT
BUSINESS	100'	50'	200'
HEALTHCARE	NO REQUIREMENT	NO REQUIREMENT	200'
AMBULATORY	NO REQUIREMENT	NO REQUIREMENT	200'
INDUSTRIAL	100'	50'	250'
DORMITORIES	50'	50'	200' (CORRIDOR DOOR OF GUEST ROOM TO NEAREST EXIT)

LIFE SAFETY SYSTEMS:

FIRE DETECTION, ALARM, AND COMMUNICATION SYSTEM PROVIDED PER 2018 NFPA 101 CHAPTER 9.6

SUPERVISED AUTOMATIC SPRINKLER SYSTEM PROVIDED PER 2018 NFPA 101 CHAPTER 9.7.1

EXIT ACCESS CORRIDOR RATING:

ALLOWABLE PER 2018 NFPA 101 CHAPTER 20.3.6.1 & CHAPTER 38.3.6.1(3)
NO RATING REQUIRED W/ SPRINKLER SYSTEM

PROVIDED:
NO RATING

EXIT SEPARATION DISTANCE:

ALLOWABLE PER 2018 NFPA 101 SECTION 7.5.1.3.3:
234'-6" DIAGONAL X 1/3 MIN. ALLOWABLE = 78'-2" MIN.

EXIT STAIR ENCLOSURE RATING:

2-HOUR CONNECTING FOUR STORIES OR MORE

2-HOUR CONNECTING FOUR STORIES OR MORE

PROVIDED:
2-HOUR

SHAFT ENCLOSURE RATING:

2-HOUR CONNECTING FOUR STORIES OR MORE

ALLOWABLE PER 2018 NFPA 101 CHAPTER 8.6.5(1)
2-HOUR CONNECTING FOUR STORIES OR MORE

PROVIDED:
2-HOUR

Revisions:	Date:

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LICENSED ARCHITECT
REBECCA C. OLSON
001.011034
STATE OF ILLINOIS
9.5.2025

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

Drawing Title: CODE SUMMARY	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	Drawing Number: GC100

VA FORM 08 - 6231

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OCCUPANCY TABLE:

BUILDING NO.	FLOOR	HEALTH CARE	AMBULATORY HEALTH CARE	BUSINESS	INDUSTRIAL	DORMITORY	TOTAL
7	PENTHOUSE	0	0	0	743	0	743
7	3	0	0	7,003	0	0	7,003
7	2	0	0	7,003	0	0	7,003
7	1	0	0	7,003	0	0	7,003
7	BASEMENT	0	0	7,003	0	0	7,003
SUB TOTALS		0	0	28,012	743	0	
43	PENTHOUSE	0	0	0	1,897	0	1,897
43	3	0	0	18,844	0	0	18,844
43	2	0	0	18,844	0	0	18,844
43	1	0	0	29,926	0	0	29,926
43	BASEMENT	0	0	4,656	0	0	4,656
SUB TOTALS		0	0	72,270	1,897	0	74,167
70	1	0	0	16,618	0	0	16,618
SUB TOTALS		0	0	16,618	0	0	16,618
109	2	0	0	1,386	0	0	1,386
109	1	0	0	1,416	0	0	1,416
109	BASEMENT	0	0	1,386	0	0	1,386
SUB TOTALS		0	0	4,188	0	0	4,188
123	1	0	0	0	0	106,646	106,646
SUB TOTALS		0	0	0	0	106,646	106,646
146 CLC	MEZZANINE	0	0	0	780	0	780
146 CLC	1	8,605	0	0	0	0	8,605
146 CLC	BASEMENT	0	0	0	1,271	0	1,271
SUB TOTALS		8,605	0	0	2,051	0	10,656
147 CLC	MEZZANINE	0	0	0	780	0	780
147 CLC	1	8,605	0	0	0	0	8,605
147 CLC	BASEMENT	0	0	0	1,271	0	1,271
SUB TOTALS		8,605	0	0	2,051	0	10,656
148 CLC	MEZZANINE	0	0	0	780	0	780
148 CLC	1	8,605	0	0	0	0	8,605
148 CLC	BASEMENT	0	0	0	1,271	0	1,271
SUB TOTALS		8,605	0	0	2,051	0	10,656
GRAND TOTALS		25,815	0	121,088	8,793	114,501	207,197

OCCUPANCY TABLE:

BUILDING NO.	FLOOR	HEALTH CARE	AMBULATORY HEALTH CARE	BUSINESS	INDUSTRIAL	DORMITORY	TOTAL
111	13	0	0	0	4,847	0	4,847
111	12	0	0	0	10,118	0	10,118
111	11	0	0	0	9,479	0	9,479
111	10	0	0	51,744	0	0	51,744
111	9	51,744	0	0	0	0	51,744
111	8		53,872	0	0	0	53,872
111	7	53,872	0	0	0	0	53,872
111	6	58,706	0	0	0	0	58,706
111	5	61,851	0	0	0	0	61,851
111	4	61,851	0	0	0	0	61,851
111	3	61,851	0	0	0	0	61,851
111	2	106,761	0	0	0	0	106,761
111	1	0	140,342	0	0	0	140,342
111	BASEMENT	0	0	131,729	0	0	131,729
144	PENTHOUSE	0	0	0	7,013	0	7,013
144	1	34,422	0	0	0	0	34,422
144	BASEMENT	27,112	0	0	0	0	27,112
SUB TOTALS		518,170	194,214	183,473	31,457	0	927,314
GRAND TOTALS		518,170	194,214	183,473	31,457	0	927,314

Revisions: Date:

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STATE OF ILLINOIS
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: OCCUPANCY SUMMARY

Approved:

Phase: FINAL BID DOCUMENTS

Sprinklered: FULLY SPRINKLERED

Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI

Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI

Issue Date: SEPTEMBER 5, 2025 | Checked: RCO | Drawn: EM

Project Number: 695-21-700

Building Number:

Drawing Number: GC101

VA FORM 08 - 6231

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2-HOUR FIRE AND SMOKE ZONE BARRIER

THIS APPLIES TO OCCUPANCY SEPARATION WALLS, HORIZONTAL EXITS, ANDSTAIRWELLS OF 4 OR MORE STORIES. THIS COMBINATION WALL IS WHERE A PORTIONOF THE 2-HOUR RATED WALL IS ALSO PART OF THE SMOKE WALL.

WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE.

DUCTS: ALL DUCT PENETRATIONS ARE PROTECTED BY COMBINATION FIRE ANDSMOKE DAMPERS. SMOKE DAMPERS ARE NOT REQUIRED WHEREADJACENT SMOKE COMPARTMENTS ARE PROTECTED BY QUICKRESPONSE SPRINKLERS THROUGHOUT EACH COMPARTMENT.

PENETRATIONS: ALL NEW PENETRATIONS ARE SEALED WITH LISTED FIRESTOPMATERIALS FOR PROTECTING 2-HOUR WALL ASSEMBLIES. WALLPENETRATIONS ARE REQUIRED TO BE FILLED ON BOTH SIDES OF THEWALL. FLOOR PENETRATIONS ARE ONLY REQUIRED TO BE FILLED ONTHE TOP OF THE FLOOR.

DOORS: ALL DOORS REQUIRE THE FOLLOWING:

1. LABELED FRAMES (NFPA 80 4.2.1)
2. LABELED 1 1/2 HOUR DOOR (NFPA 80 4.3.1)
3. MAXIMUM 100 SQ. IN. WINDOW (NFPA 80 4.4.5)
4. POSITIVE LATCHING (NFPA 80 6.4.1.4)
5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 80 6.4.1)
6. COORDINATING DEVICES REQUIRED (NFPA 80 6.4.1.2.1)
7. MAXIMUM 1/8" GAP (NFPA 80 6.3.1.7)
8. MAXIMUM 3/4" UNDERCUT (NFPA 80 4.8.4.1)
9. MAXIMUM 16" PROTECTIVE PLATE OR LABELED & LISTED (NFPA 806.4.5.1)
10. SWING IN PRIMARY DIRECTION OF TRAVEL (NFPA 101 18/19.3.7.6).
11. PERIODIC INSPECTION AND TESTING SHALL BE PERFORMED ATLEAST ANNUALLY (NFPA 80 5.2.4.1)

2-HOUR FIRE BARRIER

THIS APPLIES TO OCCUPANCY SEPARATION WALLS, HORIZONTAL EXITS, AND STAIRWELLS OF4 OR MORE STORIES.

WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE.

DUCTS: ALL DUCT PENETRATIONS ARE PROTECTED BY FIRE DAMPERS.

PENETRATIONS: ALL NEW PENETRATIONS ARE SEALED WITH LISTED FIRESTOP MATERIALS FORPROTECTING 2-HOUR WALL ASSEMBLIES. WALL PENETRATIONS ARE REQUIRED TOBE FILLED ON BOTH SIDES OF THE WALL. FLOOR PENETRATIONS ARE ONLYREQUIRED TO BE FILLED ON THE TOP OF THE FLOOR.

DOORS: ALL DOORS REQUIRE THE FOLLOWING:

1. LABELED FRAMES (NFPA 80 4.2.1)
2. LABELED 1 1/2 HOUR DOOR (NFPA 80 4.3.1)
3. MAXIMUM 100 SQ. IN. WINDOW (NFPA 80 TABLE 4.4.5)-LIMITED TO MAX AREA TESTED.
4. POSITIVE LATCHING (NFPA 80 6.4.1.4)
5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 80 6.4.1)
6. COORDINATING DEVICES REQUIRED (NFPA 80 6.4.1.2.1)
7. MAXIMUM 1/8" GAP (NFPA 80 6.3.1.7)
8. MAXIMUM 3/4" UNDERCUT (NFPA 80 4.8.4.1)
9. MAXIMUM 16" PROTECTIVE PLATE OR LABELED & LISTED (NFPA 80 6.4.5)
10. SWING IN PRIMARY DIRECTION OF TRAVEL (NFPA 101 18/19.3.7.6).
11. PERIODIC INSPECTION AND TESTING SHALL BE PERFORMED AT LEASTANNUALLY (NFPA 80 5.2.4.1)

2 HOUR DOOR REQUIRED FOR STAIRWELLS 4 OR MORE STORIES (NFPA 1017.1.3.2.1) (3).

HEALTH CARE OCCUPANCY CORRIDORS

IF THE SMOKE COMPARTMENT IS SPRINKLERED, THE WALL SHALL FORM A BARRIER TO LIMIT THE TRANSFER OFSMOKE. THE WALL HAS NO REQUIRED FIRE RESISTANCE RATING AND MAY TERMINATE AT A CEILING CONSTRUCTEDTO LIMIT TRANSFER OF SMOKE.
IF THE SMOKE COMPARTMENT IS NOT SPRINKLERED, THE WALLS SHALL BE CONTINUOUS FROM THE FLOOR TO THEUNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE. EXISTING CORRIDOR WALL SHALL HAVE A MINIMUM 1/2 HOURFIRE RESISTANCE RATING. DOORS ARE MANUALLY CLOSED IN AN EMERGENCY NFPA 101 18/19.3.6.2

DOORS: DOORS THAT ARE NOT PART OF A RATED WALL:
1. NON-LABELED FRAME (NFPA 101 18.3.6.3.1, 19.3.6.3 & 19.3.6.3.3)
2. NON-RATED DOORS PERMITTED IF SPRINKLERED (NFPA 10118.3.6.3.1, 19.3.6.3.2(2))
3. 20-MINUTE OR SOLID WOOD CORE DOOR IF NOT SPRINKLERED (NFPA 101 19.3.6.3.1) 1 3/4" THICK.
4. POSITIVE LATCHING EXCEPT TOILETS, SHOWER AND SINK CLOSETS (NFPA 101 18.3.6.3.6 & 19.3.6.3.6)
5. SELF-CLOSING NOT REQUIRED (NFPA 101 19.3.6.3.11)
6. NO MAXIMUM GAP (NFPA 101 18.3.6.3.1 & 19.3.6.3.3)
7. MAXIMUM 1" UNDERCUT (NFPA 101 18.3.6.3.1 & 19.3.6.3.4)
8. UNLIMITED HEIGHT PROTECTIVE PLATE (NFPA 101 18/19.3.6.3.12)
9. TRANSFER GRILLS NOT PERMITTED EXCEPT TOILETS,SHOWER AND SINK CLOSETS (NFPA 101 18/19.3.6.4)
10. SWING IN ANY DIRECTION
11. SMOKE DOOR ASSEMBLIES SHALL BE TESTED AT LEAST ANNUALLY (NFPA 105 5.2.5.1)

2 HOUR DOOR REQUIRED FOR STAIRWELLS 4 OR MORE STORIES (NFPA 1017.1.3.2.1) (3).

SMOKE ZONE BARRIER

SUBSTANTIAL WALLS AND DOORS TO DIVIDE EACH FLOOR INTO COMPARTMENTS FORDEFEND IN PLACE EMERGENCY OPERATIONS. IF THE SMOKE ZONE BARRIER WALL ISOF MASONRY, GYPSUM BOARD, OR METAL LATH AND PLASTER CONSTRUCTION, ANDTHE BARRIER WAS CONSTRUCTED POST 1948, THE SMOKE ZONE BARRIER WALLS AREREQUIRED TO BE OF 1 HOUR FIRE RESISTANCE RATING. (NFPA 101, 18.3.7.6) SMOKEZONE BARRIER WALLS OF WOOD LATH AND PLASTER CONSTRUCTION ARE PERMITTED TO BE OF A 21 HOUR FIRE RESISTANCE RATING (NFPA 101, 19.3.7.3)

WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE.

DUCTS: ALL DUCT PENETRATIONS ARE PROTECTED BY SMOKE DAMPERS. SMOKEDAMPERS ARE NOT REQUIRED WHERE ADJACENT SMOKE COMPARTMENTS AREPROTECTED BY QUICK RESPONSE SPRINKLERS THROUGHOUT EACHCOMPARTMENT.

PENETRATIONS: ALL PENETRATIONS ARE SEALED WITH LISTED FIRESTOP MATERIALS FORPROTECTING 1-HOUR FIRE AND SMOKE WALL ASSEMBLIES. PENETRATIONS ARETO BE FILLED ON BOTH SIDES OF THE WALL.

DOORS: ALL DOORS FOR SMOKE BARRIERS REQUIRE THE FOLLOWING:

1. NON-LABELED FRAME (NFPA 101 18.3.7.6)
2. 20 MINUTE OR SOLID WOOD CORE (NFPA 101 18.3.7.6) 1 34" THICK.
3. MAXIMUM SIZE LISTED WINDOW (NFPA 80 TABLES 4.4.5)
4. POSITIVE LATCHING NOT REQUIRED (NFPA 101 18.3.7.8)
5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 101 18.3.7.8)
6. MAXIMUM 1/8" GAP (NFPA 80 6.3.1.7)
7. MAXIMUM 3/4" UNDERCUT (NFPA 101 8.5.4)
8. UNLIMITED IN HEIGHT PROTECTIVE PLATE (NFPA 101 18.3.7.6/19.3.7.6.1
9. SWING IN DIRECTION OPPOSITE OF EACH OTHER (NFPA 101 18.3.7.6)
10. SMOKE DOOR ASSEMBLIES SHALL BE TESTED AT LEAST ANNUALLY (NFPA 1055.2.5.1)

1-HOUR FIRE BARRIER (HAZARDOUS ROOM ENCLOSURE)

THIS APPLIES TO 1-HOUR FIRE RATED OCCUPANCY SEPERATIONS, HAZARDOUS ROOMENCLOSURES PER NFPA 101 8.6.5(2) AND STAIRWELLS 3 STORIES OR LESS. PER NFPA 101 19.3.2.1

WALL: WALL EXTENDS FROM FLOOR TO DECK ABOVE.

DUCTS: STEEL DUCT PENETRATIONS NOT REQUIRED TO BE PROTECTED BY FIREDAMPERS.

PENETRATIONS: ALL NEW PENETRATIONS ARE SEALED WITH LISTED FIRESTOP MATERIALS FORPROTECTING 1-HOUR WALL ASSEMBLIES. WALL PENETRATIONS ARE REQUIREDTO BE FILLED ON BOTH SIDES OF THE WALL. FLOOR PENETRATIONS ARE ONLYREQUIRED TO BE FILLED ON THE TOP OF THE FLOOR.

DOORS: ALL DOORS REQUIRE THE FOLLOWING:

1. LABELED FRAMES (NFPA 80 4.2.1)
2. LABELED 3/4 OR 1-HOUR DOOR (NFPA 80 4.3.1)*
3. MAXIMUM AREA TESTED WINDOW (NFPA 80 TABLE 4.4.5)
4. POSITIVE LATCHING (NFPA 80 6.4.1.4)
5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 80 6.4.1)
6. COORDINATING DEVICES REQUIRED (NFPA 80 6.4.1.2.1)
7. MAXIMUM 1/8" GAP (NFPA 80 6.3.1.7)
8. MAXIMUM 3/4" UNDERCUT (NFPA 80 4.8.4.1)
9. MAXIMUM 16" PROTECTIVE PLATE OR LABELED & LISTED (NFPA 80 6.4.5)
10. SWING IN PRIMARY DIRECTION OF TRAVEL (NFPA 101 18/19.3.7.6).
11. PERIODIC INSPECTION AND TESTING SHALL BE PERFORMED AT LEASTANNUALLY (NFPA 80 5.2.4.1)

1-HOUR DOORS ARE REQUIRED IN STAIRWELLS THAT ARE 3 STORIES OR LESS. (NFPA101 7.1.3.2.1)(1)

NON-RATED SMOKE ZONE PARTITION

FORMER DECOMMISSIONED SMOKE BARRIER RETAINED AS FIRE ALARM/SPRINKLERZONE. BUILDING OCCUPANTS PERMITTED TO DEFEND IN PLACE UNTIL DIRECTED BYTHE FIRE DEPARTMENT PER SECTION 16.7.4.3 OF NFPA 99-2018 EDITION AND PRIVATEMODE AUDIBLE REQUIREMENTS OF SECTION 16.7.4.3 OF NFPA 72-2019 EDITION.

WALL: WALL EXTENDS FROM FLOOR TO SUSPENDED CEILING OR DECK ABOVE.

DUCTS: NO MINIMUM REQUIREMENTS.

PENETRATIONS: NO MINIMUM REQUIREMENTS FOR WALL PENETRATIONS ABOVE A SUSPENDEDCEILING. PENETRATIONS BELOW A SUSPENDED CEILING OR DECK SEALEDWITH NON-FIRE-RATED MATERIALS TO BE SMOKE RESISTIVE.

DOORS: NON-FIRE-RATED DOORS AND FRAMES SELF CLOSING OR AUTOMATIC CLOSINGIN AN EMERGENCY.

NON-FIRE RATED SMOKE BARRIER

SUBSTANTIAL WALLS AND DOORS TO SUBDIVIDE BUILDING SPACES FOR THE PURPOSEOF RESTRICTING THE MOVEMENT OF SMOKE.

WALL: EXTENDS FROM FLOOR TO DECK ABOVE.

DUCTS: SMOKE DAMPERS ARE NOT REQUIRED WHERE STEEL DUCTS PENETRATE SMOKEBARRIERS FORMING A COMMUNICATING SPACE SEPARATION.

PENETRATIONS: ALL PENETRATIONS ARE SEALED WITH NON-FIRE RATED MATERIALS TO PREVENT THE TRANSFER OF SMOKE. USE OF LISTED FIRE STOP MATERIALS IS NOT REQUIRED.

DOORS: ALL DOORS FOR SMOKE BARRIERS REQUIRE THE FOLLOWING

1. NON LABELED FRAME (NFPA 101 8.5)
2. NON FIRE RATED DOOR (NFPA 101 8.5)
3. NO GRILLS OR LOUVERS ARE PERMITTED (NFPA 101 8.5.1)
4. POSITIVE LATCHING HARDWARE IS REQUIRES (NFPA 101 8.5.4.3)
5. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 101 8.5.4.43)
6. MAXIMUM ¾" UNDERCUT (NFPA 101 8.5.4.1)
7. UNLIMITED IN HEIGHT PROTECTIVE PLATE (NFPA 101 18.3.7.6/19.3.7.6.1)
8. SWING IN ANY DIRECTION (NFPA 8.5)
9. WINDOW ASSEMBLIES ARE NOT REQUIRED TO BE FIRE RATED (NFPA 8.5)
10. SMOKE DOOR ASSEMBLIES SHALL BE TESTED AT LEAST ANNUALLY (NFPA 105 5.2.5.1)

SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE

WALL: IF THE HAZARDOUS ROOM HAS A SUSPENDED CEILING CONSTRUCTED TO LIMITTRANSFER OF SMOKE, THE WALL HAS NO FIRE RESISTANCE RATING AND MAYTERMINATE AT THE CEILING PER NFPA 101 8.4.2(3). IF THE ROOM DOES NOTHAVE A SUSPENDED CEILING, THE WALL HAS NO FIRE RESISTANCE RATINGAND SHALL EXTEND TO THE DECK ABOVE PER NFPA 101 19.3.2.1.2.

DUCTS: STEEL DUCT PENETRATIONS ARE NOT REQUIRED TO BE PROTECTED BY FIREDAMPERS OR SMOKE DAMPERS.

PENETRATIONS: SEALED WITH NON-FIRE-RATED MATERIALS TO BE RESISTIVE. USE OF LISTEDFIRESTOP MATERIALS IS NOT REQUIRED.

DOORS: EXISTING HAZARDOUS ROOMS:
1. NON-LABELED FRAME (NFPA 101 8.4.2)
2. 20 MINUTE OR SOLID WOOD CORE (NFPA 105 A.6.3.1) 1 3
3. POSITIVE LATCHING IS REQUIRED PER (NFPA 105 6.3.4)
4. SELF CLOSING OR AUTOMATIC CLOSING (NFPA 101 19.3.2.1.3)
5. MAXIMUM 1/8" GAP (NFPA 105 6.3.3)
6. MAXIMUM ¾" UNDERCUT (NFPA 80 4.8.4.1)
7. MAXIMUM 48" PROTECTIVE PLATE (NFPA 101 19.3.2.1.4)
8. SWING IN ANY DIRECTION
9. SMOKE DOOR ASSEMBLIES SHALL BE TESTED AT LEAST ANNUALLY (NFPA105 5.2.5.1)

SYMBOLS LIST

1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
EXIT STAIRWELL/PASSAGEWAY
SUITE DESIGNATION
AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED
EMERGENCY LIGHT
FIRE EXTINGUISHER
EXIT
ILLUMINATED EXIT SIGN
F FIRE ALARM - MANUAL PULL STATION
EP EXIT PASSAGEWAY
LC LINEN CHUTE
TC TRASH CHUTE
EX EXIT
HE HORIZONTAL EXIT PASSAGEWAY

NOTE: ALL CODE REFERENCES ARE PER THE 2018 EDITION OF NFPA 101 LIFE SAFETY CODE AND 2019 EDITION OF NFPA 80 AND NFPA 105. FEDERAL FACILITIES FOLLOW 2018 LIFE SAFETY CODE

Revisions:	Date:

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

Drawing Title: FIRE/SMOKE BARRIER DESCRIPTION	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number:
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: GC102
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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ARCHITECTURAL

KEYNOTES

Note Number	Note
1	PATCH, CLEAN, AND REPAIR WALLS AFTER DEMO. TYPICAL IN ALL AREAS.
2	PAINT NEW WALLS TO MATCH EXISTING WALLS. IF EXISTING WALLS ARE DAMAGED, CONTRACTOR TO REPAINT EXISTING WALLS.
3	CLEAN, PATCH, REPAIR, AND SEAL ALL CONCRETE FLOORS AFTER DEMO. LEVEL FLOOR AS REQUIRED.
4	INSTALL NEW 5/8" THICK TYPE 'X' GYP. BD. ON INTERIOR SIDE AT THIS LOCATION. CONTRACTOR TO PATCH AND REPAIR WALL TO MEET R03 WALL TYPE CONSTRUCTION. SEAL ALL PENETRATIONS AS NEEDED.
5	PATCH, CLEAN, AND REPAIR FLOORS TO MATCH EXISTING WHERE NEEDED AFTER DEMO. LEVEL FLOORS WHERE NEEDED. TYPICAL IN ALL AREAS.
6	EXISTING WINDOW TO REMAIN. WINDOW TO BE WATERPROOFED WITH SEALANT AND TINTED. NEW WALL TO BE CONSTRUCTED ON THE INTERIOR OF THE EXISTING WINDOW. PROVIDE PROPER VENTILATION TO VENT ENCLOSED WINDOW.
7	EXISTING TELECOMMUNICATIONS ROOM TO REMAIN. REFERENCE TECHNOLOGY DRAWINGS FOR FURTHER INFORMATION.
8	EXISTING TELECOMMUNICATIONS ROOM TO TURN INTO CABLE RISER ROOM. REFERENCE TECHNOLOGY SHEETS FOR MORE DETAILS.
9	EXPOSED CEILING. PATCH, REPAIR, AND PAINT AS REQUIRED.
10	EPOXY PAINTED CMU TO BE APPLIED ON EXTERIOR OF CMU

AREA PLAN LEGEND

AREA NOT IN CONTRACT

RCP LEGEND

EXPOSED CEILING

CHANGE HUNG LIGHT FIXTURE

X'-X" CEILING ELEVATION A.F.F.

MECHANICAL SUPPLY DIFFUSER

MECHANICAL RETURN GRILLE

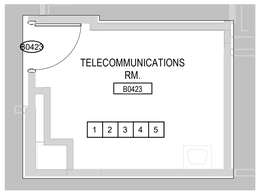
MECHANICAL EXHAUST GRILLE

RCP KEYNOTES

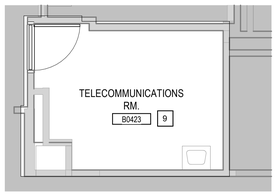
NOTE NUMBER	NOTE
1	EXPOSED CEILING
2	DEMO EXISTING CEILING FINISHES AND FIXTURES
3	REPLACE CEILING TILES IN AREA OF WORK
4	REMOVE, SALVAGE, AND REINTSTALL CEILING TILES IN AREA OF WORK
5	PATCH AND REPAIR EXISTING CEILING
9	EXPOSED CEILING. PATCH, REPAIR AND PAINT AS REQUIRED.
12	DEMO EXISTING CEILING FINISHES AND FIXTURES.

GENERAL NOTES

1. G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
2. REFER TO FINISH SHEETS FOR PARTITION PROTECTION INFORMATION INCLUDING BUT NOT LIMITED TO ALL CORNER GUARD TYPES AND LOCATIONS.
3. G.C. SHALL INSTALL IN-WALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
4. G.C. SHALL INSTALL FIRE-RETARDANT WOOD BLOCKING WITHIN WALLS BASED ON CASEWORK ELEVATIONS AND ALL INTERIOR PARTITION ELEVATIONS.
5. ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.
6. G.C. SHALL PROVIDE UL APPROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE PLUMBING IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.
7. ALL EXTERIOR WINDOWS OPEN TO THE INTERIOR SHALL RECEIVE A SOLID SURFACE WINDOW STOOL. REFER TO FINISH DRAWINGS FOR MATERIAL SELECTION.
8. EXTEND ALL RATED WALLS TO DECK PER UL ASSEMBLY REQUIREMENTS. REFER TO PARTITION TYPES SHEET FOR INTERIOR PARTITION TYPES & DETAILS. G.C. SHALL VERIFY ALL WALLS GO TO STRUCTURE ABOVE.
9. REFER TO PARTITION TYPES SHEET FOR RATED PARTITION PRIORITY AND RATED PARTITION INTERSECTIONS.
10. ALL RATED WALLS SHOWN ON PLANS TO BE ASSUMED AS NEW RATED WALLS UNTIL VERIFIED ON SITE.
11. THE ABESTOS REMOVAL REQUIREMENTS, SHOWN FOR REFENCE ONLY, WERE PERFORMED UNDER A SEPARATE CONTRACT WITH ALL RELATED DOCUMENTS INCLUDED IN THE SPECIFICATIONS.
12. G.C.SHALL PATCH AND REPAIR CEILING TO MATCH EXISTING HEIGHT, MATERIAL AND PATTERN IN CORRIDORS. REFER TO MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CONNECTIONS FROM INTERIOR TELECOMMUNICATIONS ROOMS ON SIZE AND LAYOUT.
13. G.C.SHALL REFER TO MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS TO COORDINATE ABOVE CEILING WORK.

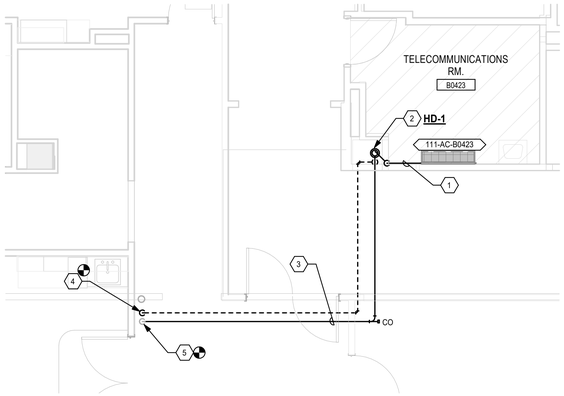


1 BUILDING 111 BASEMENT ENLARGED PLAN - RM. B0423
1/4" = 1'-0"



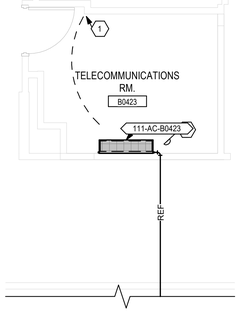
6 BUILDING 111 BASEMENT RCP - RM. B0423 - PROTOTYPE
1/4" = 1'-0"

PLUMBING

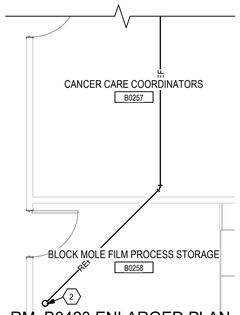


3 RM. B0423 ENLARGED PLAN - PLUMBING (SOUTH)
1/4" = 1'-0"

MECHANICAL



5 RM. B0423 ENLARGED PLAN - MECHANICAL
1/4" = 1'-0"



4 RM. B0423 ENLARGED PLAN - MECHANICAL
1/4" = 1'-0"

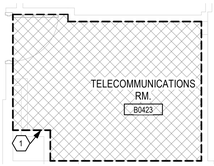
FIRE PROTECTION

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FP DESIGN SUBMITTAL PER NFPA 13 & SPECIFICATION SECTION 21 13 13 TO INCLUDE NECESSARY HYDRAULIC CALCULATIONS.

KEYED NOTES

1. AREA SHOWN CROSS-HATCHED INDICATES SCOPE OF FIRE SPRINKLER DEMOLITION WORK. COORDINATE SYSTEM SHUT DOWN, FIRE WATCH, AND DEMOLITION WITH NFPA REQUIREMENTS & VA SITE REQUIREMENTS. REMOVE EXISTING SPRINKLER HEADS, FITTINGS, & SHORT SECTIONS OF PIPE, AS NEEDED FOR INSTALLATION OF NEW BRANCH PIPE AND SPRINKLER HEADS.



2 RM. B0423 ENLARGED PLAN - FIRE PROTECTION
1/4" = 1'-0"

KEY NOTES

1. EXISTING CONDENSER TO REMAIN.
2. ROUTE REFRIGERANT PIPE THROUGH FLOOR, THEN ROUTE THROUGH BASEMENT.
3. TEMPERATURE CONTROL. REFERENCE MECHANICAL CONTROL PLANS FOR CONTROLS AND MONITORING.
4. SHADED AREA INDICATES RECOMMENDED 36" CLEARENCE FOR DX UNIT.

ELECTRICAL

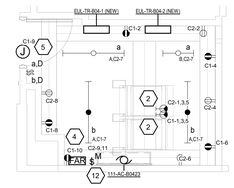
ELEC. NEW WORK GENERAL NOTES

1. FIRE STOP SHALL BE PROVIDED AT ALL LOCATIONS WHERE ELECTRICAL EQUIPMENT OR SYSTEMS PENETRATE FIRE RATED WALLS. SEE ARCHITECTURAL PLANS FOR RATED WALL LOCATIONS.
2. SEE MECHANICAL SHEETS FOR CONTROL WIRING TO MECHANICAL EQUIPMENT.
3. ONE-LINE DIAGRAMS ARE MEANT TO SHOW ONLY ELECTRICAL RELATIONSHIPS AND THEREFORE MAY NOT INCLUDE ALL REQUIRED EQUIPMENT, DEVICES AND ACCESSORIES.
4. CONTRACTOR TO VERIFY EXISTING EQUIPMENT AND DEVICE LOCATIONS PRIOR TO BID.
5. EXISTING FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM EQUIPMENT IN THE EXISTING TR ROOMS OR SPACES IMPACTED BY THE NEW TR ROOMS SHALL BE COORDINATED WITH THE VA COR FOR WORK REQUIRED.
6. NOT ALL KEYNOTES ARE USED ON THE SHEET.
7. PROVIDE 200% NEUTRAL FOR ALL BRANCH CIRCUITS FEEDING RACKS AND FEEDERS DOWN STREAM FROM K-13 RATED TRANSFORMERS.
8. FOR MECHANICAL INDOOR AND OUTDOOR UNITS FOR TR ROOMS, PROVIDE (1)3/4" CONDUIT FOR CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNITS. CONTROL WIRING BY MECHANICAL CONTROL CONTRACTOR.
9. FULL TONE, DASHED OR HATCEHD ITEMS INDICATE TO BE DEMOED. HALF TONE ITEMS INDICATE TO REMAIN.
10. PANELBOARDS SERVING LOADS LOCATED ON ROOF AND BUILDING EXTERIOR SHALL BE PROVIDED WITH SURGE PROTECTION DEVICES.

BRANCH CIRCUITING NOTES

1. UNLESS OTHERWISE NOTED, EXTEND BRANCH CIRCUITS IN THE TR ROOM TO THE FOLLOWING BRANCH PANELBOARDS.

208/120V PANEL:
EUL-TR-B04-1 - CRITICAL POWER
EUL-TR-B04-2 - CRITICAL POWER
EUL-TR-B06-1 - CRITICAL POWER
EUL-TR-B06-2 - CRITICAL POWER
EUL-TR-B06-3 - CRITICAL POWER
EUL-TR-B06-4 - CRITICAL POWER
111-HM-1-1 - EQUIPMENT



7 BLDG 111 - BASEMENT - ENLARGED ELECTRICAL NEW WORK - ROOM B0423
1/4" = 1'-0"

ELEC. NEW WORK KEYNOTES

1 NEMA L21-20R MOUNT ON CABLE TRAY ABOVE RACK. COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. FEEDER: (3) #12, (1) #10N, (1) #12G 3/4"C.
2 NEMA L21-30R MOUNT ON CABLE TRAY ABOVE RACK. COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. FEEDER: (3)#10, (1) #8N, (1) #10G, 3/4"C.
3 SURFACE MOUNT J-BOX (60A) FOR POWER TO RACK PDU. FEEDER: (3)#4, (1)#10N, (1)#8G, 2"C. MOUNT J-BOX ON CABLE TRAY ABOVE RACK, COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. SEE E-500 FOR MORE INFORMATION.
4 FIRE ALARM RELAY FOR CONNECTION TO ACCESS CONTROL PANEL IN ROOM. COORDINATE EXACT LOCATION WITH ACCESS CONTROL CONTRACTOR.
5 J-BOX FOR POWER TO ACCESS CONTROL POWER SUPPLY AT DOOR. COORDINATE EXACT LOCATION WITH DOOR ACCESS CONTROL AND DOOR HARDWARE.
6 MOUNT J-BOX (60A) ON CABLE TRAY ABOVE RACK FOR POWER TO RACK PDU. FEEDER: (3)#4, (1)#10N, (1)#8G, 2"C. MOUNT J-BOX ON CABLE TRAY ABOVE RACK, COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. SEE E-500 FOR MORE INFORMATION.
7 NEW PANEL IN EXISTING PANEL LOCATION. RECONNECT ALL EXISTING CIRCUITS TO NEW CIRCUIT BREAKERS IN PANEL. VERIFY EXACT LOAD AND LOCATION IN FIELD.
8 CONNECT NEW RECEPTACLE TO EXISTING POWER PANEL SERVING THE AREA. USE 20AMP SPARE CIRCUIT BREAKER OR PROVIDE NEW AS NEEDED.
9 CONNECT NEW PANEL TO BUILDING DISTRIBUTION PANEL. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL. NEW BREAKER TYPE TO MATCH EXISTING.
10 RELOCATED PANEL. RECONNECT ALL CIRCUITS TO EXISTING LOADS. COORDINATE EXACT BRANCH CIRCUIT INFORMATION IN FIELD AND COORDINATE LOCATION/PLACEMENT WITH THE COR.
11 PROVIDE NEW CIRCUIT BREAKER IN AVAILABLE SPACES IN EXISTING DISTRIBUTION. PROVIDE SEPARATE CIRCUIT BREAKER ENCLOSURE IF SPACES ARE NOT AVAILABLE.
12 INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE 20A/2P MOTOR RATED MANUAL TOGGLE CONTROLLER FOR CONTROL OF EQUIPMENT.
15 60AS/NF/2P, NEMA 3R DISCONNECT SWITCH. FEEDER: (3) #10, #10G, 3/4"C. PROVIDE (2) 3/4" CONDUIT FOR CONTROL WIRING AND POWER TO INDOOR UNIT.
16 30AS/NF/2P, NEMA 3R DISCONNECT SWITCH. FEEDER: (2) #10, #10G, 3/4"C. PROVIDE (2) 3/4" CONDUITS FOR CONTROL WIRING AND POWER TO INDOOR UNIT.
18 SEE EQUIPMENT SCHEDULE FOR FEEDER AND DISCONNECT INFORMATION.
20 NEW PANEL AT EXISTING PANEL LOCATION. EXTEND AND RECONNECT EXISTING INCOMING AND OUTGOING FEEDERS. NEW CIRCUIT BREAKER RATING TO MATCH EXISTING.
21 NEW MEDIUM VOLTAGE FEEDER IN EXISTING SPARE CONDUIT BETWEEN THE EXISTING VAULT AND BUILDING 115. PROVIDE NEW CONDUIT IN BUILDING 115 TO THE NEW CIRCUIT BREAKER IN EXISTING MEDIUM VOLTAGE SWITCHGEAR. SEE SHEET 111-EP114 FOR ADDITIONAL INFORMATION.
22 ROUTE CONDUIT ON WALL TO A NEW PULLBOX 24"X18"X12" ON CEILING.
23 STUB CONDUIT TO ROOM. SEE SHEET 111-EP114 FOR ADDITIONAL INFORMATION.
24 L5-30R RECEPTACLE MOUNTED ON WALL. COORDINATE LOCATION AND MOUNTING HEIGHT WITH WALL ENCLOSURE PLACEMENT. FEEDER: 2#10, #8N, #10G, 3/4"C.
25 NEW BI-FUEL GENERATOR WITH DIESEL AND NATURAL GAS. SEE MECHANICAL FOR GAS LINE INFORMATION. BASE MOUNTED DIESEL STORAGE TANK AND WEATHERPROOF ENCLOSURE. PROVIDE PLATFORM AND LADDER FOR ACCESS AND MAINTENANCE.
26 SEE CIVIL AND STRUCTURAL FOR FENCE AND PAD DETAILS.
27 UNISTRUT MOUNT PORTABLE GENERATOR AND LOAD BANK CONNECTION BOX. COORDINATE EXACT LOCATION WITH VA COR.
28 NEW NEMA 3R RATED EQUIPMENT MOUNT ON CONCRETE PAD. EXTEND EXISTING CONCRETE PAD.
29 MOUNT GENERATOR DISTRIBUTION PANEL ON CONCRETE PAD.
30 SEE EQUIPMENT SCHEDULE FOR FEEDER AND DISCONNECT INFORMATION. PROVIDE (2) 3/4" CONDUITS FOR CONTROL WIRING AND POWER TO INDOOR UNIT.
32 UNDERGROUND CONCRETE ENCASED DUCTBANK WITH (9) 4" AND (3) 1" CONDUITS. SEE SHEET 148-EP101 FOR EXACT CONNECTIONS.
33 UNDERGROUND CONCRETE ENCASED DUCTBANK WITH (6) 4" AND (2) 1" CONDUITS. SEE SHEET 148-EP101 FOR EXACT CONNECTIONS.
34 UNDERGROUND CONCRETE ENCASED DUCTBANK WITH (3) 4" AND (1) 1" CONDUITS. SEE SHEET 148-EP101 FOR EXACT CONNECTIONS.
35 RECEPTACLE MOUNTED ON ROOF ADJACENT TO MECHANICAL EQUIPMENT DISCONNECT.
36 ROUTE CONDUIT IN ABOVE CEILING SPACE AND SUPPORT FROM STRUCTURE.
39 CONTRACTOR TO REMOVE CEILING TILES AND/OR CEILING MOUNTED DEVICES AS NEEDED TO ALLOW NEW CONDUIT INSTALLATION. REINSTALL CEILING TILES AND DEVICES AFTER COMPLETE CONDUIT INSTALLATION.
40 MOUNT RECEPTACLE ON EXISTING CABLE TRAY.
41 PROVIDE CONNECTION TO EXISTING LIGHTNING PROTECTION SYSTEM ON ROOF. BONDING CONDUCTOR TO MATCH EXISTING.
42 PROVIDE LIGHTNING PROTECTION ON GENERATOR ENCLOSURE AND BOND TO FENCE/POST WHERE APPLICABLE. SEE SPECIFICATION SECTION FOR DETAILS.
43 PROVIDE LIGHTNING PROTECTION ON GENERATOR ENCLOSURE AND BOND TO FENCE/POST WHERE APPLICABLE. SEE SPECIFICATION SECTION FOR DETAILS.
44 INSTALL BOTH OUTLETS IN COMMON BACKBOX AND COVERPLATE.
45 PENDANT MOUNT TRANSFORMER FROM CEILING. PROVIDE NECESSARY MOUNTING BRACKETS. ELECTRICAL CONTRACTOR TO DETERMINE BEST LOCATION FOR MOUNTING.
46 CONDUITS UP TO CEILING. COORDINATE EXACT LOCATION IN FIELD.
47 CONDUITS ROUTED ABOVE CEILING SPACES. COORDINATE EXACT LOCATION IN FIELD.
49 ROUTE CONDUIT FROM ELEC E-34EC THROUGH BASEMENT CEILING TO BENEATH THE TR AND STUB UP FROM BELOW.
50 STUB UP CONDUITS FROM ELECTRICAL ROOM BELOW TO CEILING OF FIRST FLOOR AND ROUTE TO TELECOM ROOMS.
51 CONDUITS ARE ROUTED UP THE COLUMN TO THE TR ON THE FLOOR ABOVE.
52 ROUTE CONDUITS ON EXTERIOR ROOF AND WALLS. COORDINATE EXACT LOCATION IN FIELD.
53 CONTRACTOR SHALL PROVIDE GENERATOR ENCLOURE AND SETBACK PER VA PSRDM REQUIREMENTS.

Revisions:	Date:

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9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PROTOTYPE LAYOUT - BUILDING 111 BASEMENT	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number:
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: GC103
		Issue Date: SEPTEMBER 5, 2025 / Checked: Checker / Drawn: Author	

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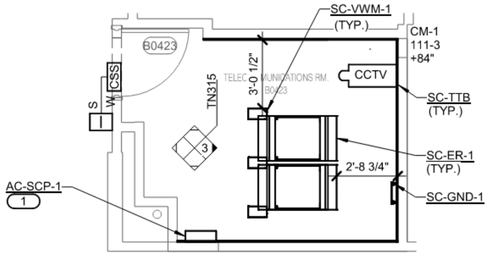
GENERAL NOTES:

1. REFER TO 1/TN400 FOR TECHNOLOGY ROUGH IN DETAIL.
2. ALL NETWORK CABLES ON THIS SHEET SHALL TERMINATE IN TR-111-B0423.
3. CONTRACTOR TO PROVIDE NEW J-HOOK ROUTES FOR ALL NEW CABLING. J-HOOK SIZE AND QUANTITY TO BE PER MANUFACTURER RECOMMENDATIONS.
4. REFER TO TN500-TN509 FOR RISER DIAGRAMS.
5. REFER TO SHEET TN402 FOR PENETRATION DETAILS.
6. THESE DRAWINGS MAKE THE BEST ATTEMPT TO IDENTIFY EXISTING DATA DROPS/WORK AREA OUTLETS. AS LONG AS THE TOTAL NEWLY INSTALLED DATA DROP COUNT DOES NOT VARY +/- 10% IDENTIFIED ON THESE DRAWINGS, THE CONTRACTOR'S SCOPE SHALL BE UNCHANGED.
7. NEW WORK AREA OUTLETS SHALL BE LOCATED IN EXISTING BOXES. WORK AREA OUTLETS SHOWN ON THIS SHEET MAY NOT BE IN THE EXACT LOCATION AS IDENTIFIED.
8. CONTRACTOR TO INCLUDE AN ALLOWANCE FOR 10% ADDITIONAL 2-PORTS CAT6A INFORMATION OUTLETS IN THEIR PROPOSAL FOR THIS SHEET. FUTURE INFORMATION OUTLET LOCATIONS WILL BE DETERMINED BY THE VA AT A LATER DATE.

KEYNOTES: (#)

1. CAT 6A CABLING TO ALL INFORMATION OUTLETS ON THIS SIDE OF THE MATCH LINE, A WING, SHALL BE SHIELDED CABLE.



1 DATA ROOM ENLARGEMENT TR-111-B0423

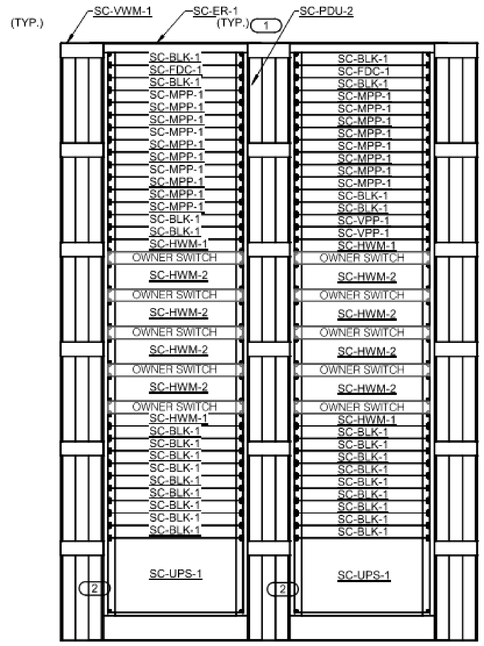
1/4" = 1'-0"

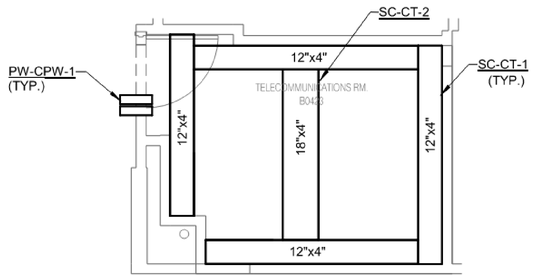
NOTES:

1. REFER TO 1/TN401 FOR BONDING BUS BAR DETAIL.
2. REFER TO 2/TN401 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.
3. REFER TO 3/TN401 FOR TECHNOLOGY BONDING RISER DIAGRAM.
4. CONTRACTOR SHALL COORDINATE CAMERA FIELD OF VIEW WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.

KEYNOTES: (#)

1. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER PROVISIONING.





2 CABLE TRAY LAYOUT TR-111-B0423

1/4" = 1'-0"

NOTES:

1. LADDER RACK SHALL BE MOUNTED 6" ABOVE THE TOP OF THE TELECOM RACKS/CABINETS.

3 DATA RACK ELEVATION TR-111-B0423

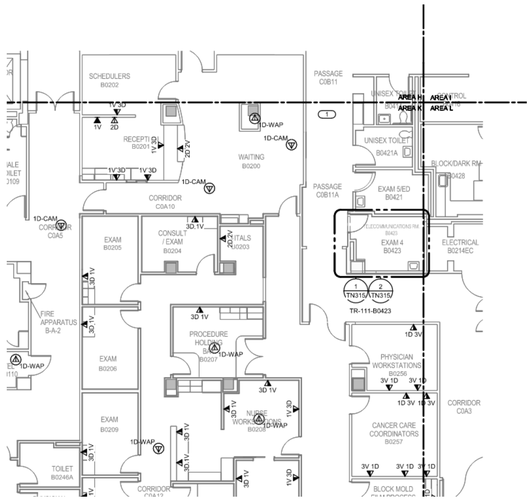
NO SCALE

NOTES:

1. ALL EQUIPMENT SHALL BE LOCATED IN ITS DESIGNATED LOCATION AS DEFINED BY THIS LAYOUT UNLESS OTHERWISE NOTED. ALL EQUIPMENT IS SIZED BY RACK UNITS (RU) ACCORDING TO THE BASIS OF DESIGN MANUFACTURER AND MODEL NUMBER. THE FINAL LAYOUT AND EQUIPMENT SIZE MAY VARY BASED ON THE FINAL SELECTION OF THE EQUIPMENT. ANY CHANGES TO THE LAYOUT SHOWN ABOVE SHALL BE COORDINATED WITH THE C.O.R. PRIOR TO INSTALLATION. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. FIBER DISTRIBUTION FOR LEG "A" SHALL BE ON THE LEFT SIDE OF THE FIBER PANEL, LEG "B" SHALL BE ON THE RIGHT SIDE.
3. RACK BONDING BUS BAR (SC-GND-2) TO BE LOCATED AT REAR OF RACK, RACK UNIT 45. RACK BONDING BAR SHALL BE DUAL LUG HOLE SUITABLE FOR #6 AWG BONDING CONDUCTORS.

KEYNOTES: (#)

1. TWO (2) SC-PDU-2 PER RACK, MOUNTED AT THE REAR OF THE RACK, ONE (1) PER SIDE.
2. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR UPS INFORMATION.



4 BUILDING 111 BASEMENT PLAN TECHNOLOGY - AREA K

Revisions:	Date:

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Office of Construction and Facilities Management

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Drawing Title: PROTOTYPE LAYOUT - BUILDING 111 BASEMENT - TECHNOLOGY	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: Checker / Drawn: Author	Drawing Number: GC104

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ARCHITECTURAL

KEYNOTES

Note Number	Note
1	PATCH, CLEAN, AND REPAIR WALLS AFTER DEMO. TYPICAL IN ALL AREAS.
2	PAINT NEW WALLS TO MATCH EXISTING WALLS. IF EXISTING WALLS ARE DAMAGED, CONTRACTOR TO REPAINT EXISTING WALLS.
3	CLEAN, PATCH, REPAIR, AND SEAL ALL CONCRETE FLOORS AFTER DEMO. LEVEL FLOOR AS REQUIRED.
4	INSTALL NEW 5/8" THICK TYPE 'X' GYP. BD. ON INTERIOR SIDE AT THIS LOCATION. CONTRACTOR TO PATCH AND REPAIR WALL TO MEET R03 WALL TYPE CONSTRUCTION. SEAL ALL PENETRATIONS AS NEEDED.
5	PATCH, CLEAN, AND REPAIR FLOORS TO MATCH EXISTING WHERE NEEDED AFTER DEMO. LEVEL FLOORS WHERE NEEDED. TYPICAL IN ALL AREAS.
6	EXISTING WINDOW TO REMAIN. WINDOW TO BE WATERPROOFED WITH SEALANT AND TINTED. NEW WALL TO BE CONSTRUCTED ON THE INTERIOR OF THE EXISTING WINDOW. PROVIDE PROPER VENTILATION TO VENT ENCLOSED WINDOW.
7	EXISTING TELECOMMUNICATIONS ROOM TO REMAIN. REFERENCE TECHNOLOGY DRAWINGS FOR FURTHER INFORMATION.
8	EXISTING TELECOMMUNICATIONS ROOM TO TURN INTO CABLE RISER ROOM. REFERENCE TECHNOLOGY SHEETS FOR MORE DETAILS.
9	EXPOSED CEILING. PATCH, REPAIR, AND PAINT AS REQUIRED.
10	EPOXY PAINTED CMU TO BE APPLIED ON EXTERIOR OF CMU

AREA PLAN LEGEND

AREA NOT IN CONTRACT

RCP LEGEND

EXPOSED CEILING

CHANGE HUNG LIGHT FIXTURE

X'-X" CEILING ELEVATION A.F.F.

MECHANICAL SUPPLY DIFFUSER

MECHANICAL RETURN GRILLE

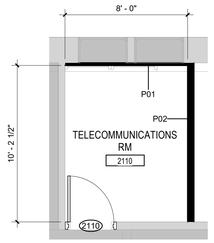
MECHANICAL EXHAUST GRILLE

RCP KEYNOTES

NOTE NUMBER	NOTE
1	EXPOSED CEILING
2	DEMO EXISTING CEILING FINISHES AND FIXTURES
3	REPLACE CEILING TILES IN AREA OF WORK
4	REMOVE, SALVAGE, AND REINTSTALL CEILING TILES IN AREA OF WORK
5	PATCH AND REPAIR EXISTING CEILING
9	EXPOSED CEILING. PATCH, REPAIR AND PAINT AS REQUIRED.
12	DEMO EXISTING CEILING FINISHES AND FIXTURES.

GENERAL NOTES

1. G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
2. REFER TO FINISH SHEETS FOR PARTITION PROTECTION INFORMATION INCLUDING BUT NOT LIMITED TO ALL CORNER GUARD TYPES AND LOCATIONS.
3. G.C. SHALL INSTALL IN-WALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
4. G.C. SHALL INSTALL FIRE-RETARDANT WOOD BLOCKING WITHIN WALLS BASED ON CASEWORK ELEVATIONS AND ALL INTERIOR PARTITION ELEVATIONS.
5. ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.
6. G.C. SHALL PROVIDE UL APPROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE PLUMBING IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.
7. ALL EXTERIOR WINDOWS OPEN TO THE INTERIOR SHALL RECEIVE A SOLID SURFACE WINDOW STOOL. REFER TO FINISH DRAWINGS FOR MATERIAL SELECTION.
8. EXTEND ALL RATED WALLS TO DECK PER UL ASSEMBLY REQUIREMENTS. REFER TO PARTITION TYPES SHEET FOR INTERIOR PARTITION TYPES & DETAILS. G.C. SHALL VERIFY ALL WALLS GO TO STRUCTURE ABOVE.
9. REFER TO PARTITION TYPES SHEET FOR RATED PARTITION PRIORITY AND RATED PARTITION INTERSECTIONS.
10. ALL RATED WALLS SHOWN ON PLANS TO BE ASSUMED AS NEW RATED WALLS UNTIL VERIFIED ON SITE.
11. THE ABESTOS REMOVAL REQUIREMENTS, SHOWN FOR REFENCE ONLY, WERE PERFORMED UNDER A SEPARATE CONTRACT WITH ALL RELATED DOCUMENTS INCLUDED IN THE SPECIFICATIONS.
12. G.C.SHALL PATCH AND REPAIR CEILING TO MATCH EXISTING HEIGHT, MATERIAL AND PATTERN IN CORRIDORS. REFER TO MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CONNECTIONS FROM INTERIOR TELECOMMUNICATIONS ROOMS ON SIZE AND LAYOUT.
13. G.C.SHALL REFER TO MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS TO COORDINATE ABOVE CEILING WORK.



1 BUILDING 04 SECOND FLOOR PLAN - ENLARGED RM. 2110
1/4" = 1'-0"

2 BUILDING 04 SECOND FLOOR RCP PLAN - ENLARGED RM. 2110
1/4" = 1'-0"

PLUMBING

ROOMS IN SCOPE - PLUMBING

LEVEL	NUMBER	NAME	PLUMBING DEMO REQUIRED	PLUMBING NEW REQUIRED
BUILDING 04				
LEVEL 02	2110	TELECOMMUNICATIONS ROOM	No	No

MECHANICAL

ROOMS IN SCOPE - MECHANICAL

LEVEL	NUMBER	NAME	MECHANICAL DEMO REQUIRED	MECHANICAL NEW REQUIRED
BUILDING 04				
LEVEL 02	2110	TELECOMMUNICATIONS ROOM	No	No

FIRE PROTECTION

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FP DESIGN SUBMITTAL PER NFPA 13 & SPECIFICATION SECTION 21 13 13 TO INCLUDE NECESSARY HYDRAULIC CALCULATIONS.

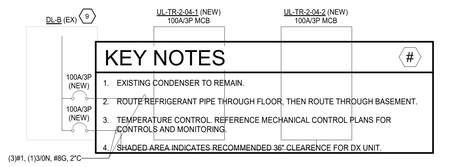
KEYED NOTES

1. AREA SHOWN CROSS-HATCHED INDICATES SCOPE OF FIRE SPRINKLER DEMOLITION WORK. COORDINATE SYSTEM SHUT DOWN, FIRE WATCH, AND DEMOLITION WITH NFPA REQUIREMENTS & VA SITE REQUIREMENTS. REMOVE EXISTING SPRINKLER HEADS, FITTINGS, & SHORT SECTIONS OF PIPE, AS NEEDED FOR INSTALLATION OF NEW BRANCH PIPE AND SPRINKLER HEADS.

ROOMS IN SCOPE - FIRE PROTECTION

LEVEL	NUMBER	NAME	FIRE PROTECTION DEMO...	FIRE PROTECTION NEW REQUIRED	ANSI/TAI-942-B RATING	FIRE SUPPRESSION SYSTEM TYPE
BUILDING 04						
LEVEL 02	2110	TELECOMMUNICATIONS ROOM	No	No	1	NONE

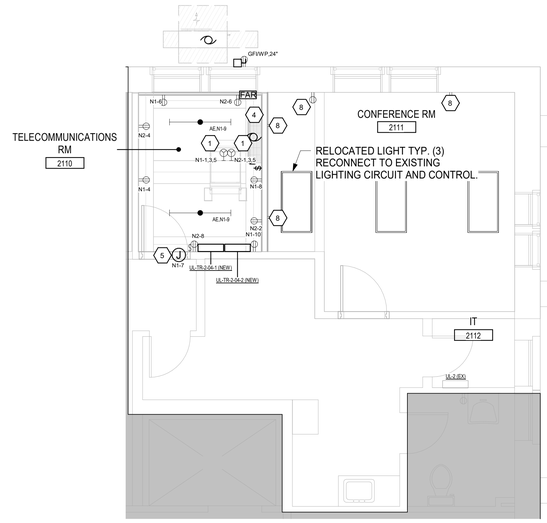
ELECTRICAL



KEY NOTES #

1. EXISTING CONDENSER TO REMAIN.
2. ROUTE REFRIGERANT PIPE THROUGH FLOOR, THEN ROUTE THROUGH BASEMENT.
3. TEMPERATURE CONTROL. REFERENCE MECHANICAL CONTROL PLANS FOR CONTROLS AND MONITORING.
4. SHADED AREA INDICATES RECOMMENDED 36" CLEARENCE FOR DX UNIT.

4 BLDG 4 - PARTIAL ONE LINE DIAGRAM
NTS



3 BLDG 4 - SECOND FLOOR - ENLARGED ELECTRICAL NEW WORK - ROOM 2110-2112
1/4" = 1'-0"

ELEC. NEW WORK GENERAL NOTES

1. FIRE STOP SHALL BE PROVIDED AT ALL LOCATIONS WHERE ELECTRICAL EQUIPMENT OR SYSTEMS PENETRATE FIRE RATED WALLS. SEE ARCHITECTURAL PLANS FOR RATED WALL LOCATIONS.
2. SEE MECHANICAL SHEETS FOR CONTROL WIRING TO MECHANICAL EQUIPMENT.
3. ONE-LINE DIAGRAMS ARE MEANT TO SHOW ONLY ELECTRICAL RELATIONSHIPS AND THEREFORE MAY NOT INCLUDE ALL REQUIRED EQUIPMENT, DEVICES AND ACCESSORIES.
4. CONTRACTOR TO VERIFY EXISTING EQUIPMENT AND DEVICE LOCATIONS PRIOR TO BID.
5. EXISTING FIRE ALARM AND OTHER LOW VOLTAGE SYSTEM EQUIPMENT IN THE EXISTING TR ROOMS OR SPACES IMPACTED BY THE NEW TR ROOMS SHALL BE COORDINATED WITH THE VA COR FOR WORK REQUIRED.
6. NOT ALL KEYNOTES ARE USED ON THE SHEET.
7. PROVIDE 200% NEUTRAL FOR ALL BRANCH CIRCUITS FEEDING RACKS AND FEEDERS DOWN STREAM FROM K-13 RATED TRANSFORMERS.
8. FOR MECHANICAL INDOOR AND OUTDOOR UNITS FOR TR ROOMS, PROVIDE (1)3/4" CONDUIT FOR CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNITS. CONTROL WIRING BY MECHANICAL CONTROL CONTRACTOR.
9. FULL TONE, DASHED OR HATCEHD ITEMS INDICATE TO BE DEMOED. HALF TONE ITEMS INDICATE TO REMAIN.
10. PANELBOARDS SERVING LOADS LOCATED ON ROOF AND BUILDING EXTERIOR SHALL BE PROVIDED WITH SURGE PROTECTION DEVICES.

BRANCH CIRCUITING NOTES

1. UNLESS OTHERWISE NOTED, EXTEND BRANCH CIRCUITS IN THE TR ROOM TO THE FOLLOWING BRANCH PANELBOARDS.

208/120V PANEL:
UL-TR-2-04-1 -NORMAL POWER
UL-TR-2-04-2 -NORMAL POWER

ELEC. NEW WORK KEYNOTES

1. NEMA L21-20R MOUNT ON CABLE TRAY ABOVE RACK. COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. FEEDER: (3)#12, (1)#10N, (1)#12G 3/4"C.
2. NEMA L21-30R MOUNT ON CABLE TRAY ABOVE RACK. COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. FEEDER: (3)#10, (1)#8N, (1)#10G, 3/4"C.
3. SURFACE MOUNT J-BOX (60A) FOR POWER TO RACK PDU. FEEDER: (3)#4, (1)#1/0N, (1)#8G, 2"C. MOUNT J-BOX ON CABLE TRAY ABOVE RACK, COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. SEE E-500 FOR MORE INFORMATION.
4. FIRE ALARM RELAY FOR CONNECTION TO ACCESS CONTROL PANEL IN ROOM. COORDINATE EXACT LOCATION WITH ACCESS CONTROL CONTRACTOR.
5. J-BOX FOR POWER TO ACCESS CONTROL POWER SUPPLY AT DOOR. COORDINATE EXACT LOCATION WITH DOOR ACCESS CONTROL AND DOOR HARDWARE.
6. MOUNT J-BOX (60A) ON CABLE TRAY ABOVE RACK FOR POWER TO RACK PDU. FEEDER: (3)#4, (1)#1/0N, (1)#8G, 2"C. MOUNT J-BOX ON CABLE TRAY ABOVE RACK, COORDINATE EXACT LOCATION/PLACEMENT WITH OTHER TRADES. SEE E-500 FOR MORE INFORMATION.
7. NEW PANEL IN EXISTING PANEL LOCATION. RECONNECT ALL EXISTING CIRCUITS TO NEW CIRCUIT BREAKERS IN PANEL. VERIFY EXACT LOAD AND LOCATION IN FIELD.
8. CONNECT NEW RECEPTACLE TO EXISTING POWER PANEL SERVING THE AREA. USE 20AMP SPARE CIRCUIT BREAKER OR PROVIDE NEW AS NEEDED.
9. CONNECT NEW PANEL TO BUILDING DISTRIBUTION PANEL. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL. NEW BREAKER TYPE TO MATCH EXISTING.
10. RELOCATED PANEL. RECONNECT ALL CIRCUITS TO EXISTING LOADS. COORDINATE EXACT BRANCH CIRCUIT INFORMATION IN FIELD AND COORDINATE LOCATION/PLACEMENT WITH THE COR.
11. PROVIDE NEW CIRCUIT BREAKER IN AVAILABLE SPACES IN EXISTING DISTRIBUTION. PROVIDE SEPARATE CIRCUIT BREAKER ENCLOSURE IF SPACES ARE NOT AVAILABLE.
12. INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE 20A/2P MOTOR RATED MANUAL TOGGLE CONTROLLER FOR CONTROL OF EQUIPMENT.
15. 60AS/NF/2P, NEMA 3R DISCONNECT SWITCH. FEEDER: (3) #10, #10G, 3/4"C. PROVIDE (2) 3/4" CONDUIT FOR CONTROL WIRING AND POWER TO INDOOR UNIT.
16. 30AS/NF/2P, NEMA 3R DISCONNECT SWITCH. FEEDER: (2) #10, #10G, 3/4"C. PROVIDE (2) 3/4" CONDUITS FOR CONTROL WIRING AND POWER TO INDOOR UNIT.
18. SEE EQUIPMENT SCHEDULE FOR FEEDER AND DISCONNECT INFORMATION.
20. NEW PANEL AT EXISTING PANEL LOCATION. EXTEND AND RECONNECT EXISTING INCOMING AND OUTGOING FEEDERS. NEW CIRCUIT BREAKER RATING TO MATCH EXISTING.
21. NEW MEDIUM VOLTAGE FEEDER IN EXISTING SPARE CONDUIT BETWEEN THE EXISTING VAULT AND BUILDING 115. PROVIDE NEW CONDUIT IN BUILDING 115 TO THE NEW CIRCUIT BREAKER IN EXISTING MEDIUM VOLTAGE SWITCHGEAR. SEE SHEET 111-EP114 FOR ADDITIONAL INFORMATION.
22. ROUTE CONDUIT ON WALL TO A NEW PULLBOX 24"X18"X12" ON CEILING.
23. STUB CONDUIT TO ROOM. SEE SHEET 111-EP114 FOR ADDITIONAL INFORMATION.
24. LS-30R RECEPTACLE MOUNTED ON WALL. COORDINATE LOCATION AND MOUNTING HEIGHT WITH WALL ENCLOSURE PLACEMENT. FEEDER: 2#10, #8N, #10G, 3/4"C.
25. NEW BI-FUEL GENERATOR WITH DIESEL AND NATURAL GAS. SEE MECHANICAL FOR GAS LINE INFORMATION. BASE MOUNTED DIESEL STORAGE TANK AND WEATHERPROOF ENCLOSURE. PROVIDE PLATFORM AND LADDER FOR ACCESS AND MAINTENANCE.
26. SEE CIVIL AND STRUCTURAL FOR FENCE AND PAD DETAILS.
27. UNISTRUT MOUNT PORTABLE GENERATOR AND LOAD BANK CONNECTION BOX. COORDINATE EXACT LOCATION WITH VA COR.
28. NEW NEMA 3R RATED EQUIPMENT MOUNT ON CONCRETE PAD. EXTEND EXISTING CONCRETE PAD.
29. MOUNT GENERATOR DISTRIBUTION PANEL ON CONCRETE PAD.
30. SEE EQUIPMENT SCHEDULE FOR FEEDER AND DISCONNECT INFORMATION. PROVIDE (2) 3/4" CONDUITS FOR CONTROL WIRING AND POWER TO INDOOR UNIT.
32. UNDERGROUND CONCRETE ENCASED DUCTBANK WITH (9) 4" AND (3) 1" CONDUITS. SEE SHEET 148-EP101 FOR EXACT CONNECTIONS.
33. UNDERGROUND CONCRETE ENCASED DUCTBANK WITH (6) 4" AND (2) 1" CONDUITS. SEE SHEET 148-EP101 FOR EXACT CONNECTIONS.
34. UNDERGROUND CONCRETE ENCASED DUCTBANK WITH (3) 4" AND (1) 1" CONDUITS. SEE SHEET 148-EP101 FOR EXACT CONNECTIONS.
35. RECEPTACLE MOUNTED ON ROOF ADJACENT TO MECHANICAL EQUIPMENT DISCONNECT.
36. ROUTE CONDUIT IN ABOVE CEILING SPACE AND SUPPORT FROM STRUCTURE.
39. CONTRACTOR TO REMOVE CEILING TILES AND/OR CEILING MOUNTED DEVICES AS NEEDED TO ALLOW NEW CONDUIT INSTALLATION. REINSTALL CEILING TILES AND DEVICES AFTER COMPLETE CONDUIT INSTALLATION.
40. MOUNT RECEPTACLE ON EXISTING CABLE TRAY.
41. PROVIDE CONNECTION TO EXISTING LIGHTNING PROTECTION SYSTEM ON ROOF. BONDING CONDUCTOR TO MATCH EXISTING.
42. PROVIDE LIGHTNING PROTECTION ON GENERATOR ENCLOSURE AND BOND TO FENCE/POST WHERE APPLICABLE. SEE SPECIFICATION SECTION FOR DETAILS.
43. PROVIDE LIGHTNING PROTECTION ON GENERATOR ENCLOSURE AND BOND TO FENCE/POST WHERE APPLICABLE. SEE SPECIFICATION SECTION FOR DETAILS.
44. INSTALL BOTH OUTLETS IN COMMON BACKBOX AND COVERPLATE.
45. PENDANT MOUNT TRANSFORMER FROM CEILING. PROVIDE NECESSARY MOUNTING BRACKETS. ELECTRICAL CONTRACTOR TO DETERMINE BEST LOCATION FOR MOUNTING.
46. CONDUITS UP TO CEILING. COORDINATE EXACT LOCATION IN FIELD.
47. CONDUITS ROUTED ABOVE CEILING SPACES. COORDINATE EXACT LOCATION IN FIELD.
49. ROUTE CONDUIT FROM ELEC E-34EC THROUGH BASEMENT CEILING TO BENEATH THE TR AND STUB UP FROM BELOW.
50. STUB UP CONDUITS FROM ELECTRICAL ROOM BELOW TO CEILING OF FIRST FLOOR AND ROUTE TO TELECOM ROOMS.
51. CONDUITS ARE ROUTED UP THE COLUMN TO THE TR ON THE FLOOR ABOVE.
52. ROUTE CONDUITS ON EXTERIOR ROOF AND WALLS. COORDINATE EXACT LOCATION IN FIELD.
53. CONTRACTOR SHALL PROVIDE GENERATOR ENCLOURE AND SETBACK PER VA PSRDM REQUIREMENTS.

Revisions:	Date:

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LICENSED ARCHITECT REBECCA C. OLSON 001.011024 STATE OF ILLINOIS
9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PROTOTYPE LAYOUT - BUILDING 4 SECOND FLOOR	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number
		Issue Date: SEPTEMBER 5, 2025 / Checked: Checker / Drawn: Author	Drawing Number: GC105

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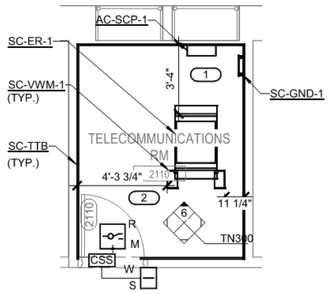


1 TE ROOM ENLARGEMENT TR-4-2110

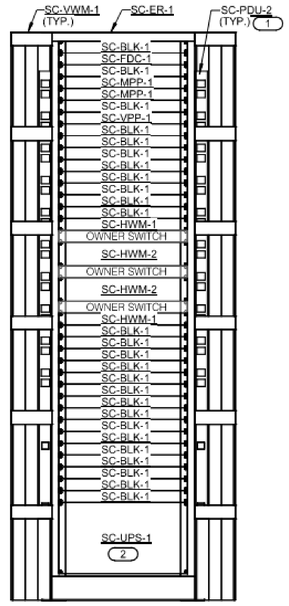
1/4" = 1'-0"

NOTES:

1. REFER TO 1/TN401 FOR BONDING BUS BAR DETAIL.
2. REFER TO 2/TN401 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.
3. REFER TO 3/TN401 FOR TECHNOLOGY BONDING RISER DIAGRAM.
4. CONTRACTOR SHALL COORDINATE CAMERA FIELD OF VIEW WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
5. DX-VERTIV ENCLOSURES ARE UTILIZED. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

KEYNOTES: (#)

1. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER PROVISIONING.
2. DOOR POSITION SWITCH/TAMPER SWITCH ON INSIDE OF DOOR.



3 DATA CABINET ELEVATION TR-4-2110

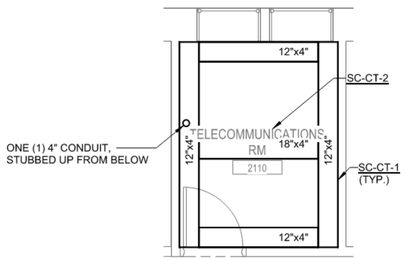
1" = 1'-0"

NOTES:

1. ALL EQUIPMENT SHALL BE LOCATED IN ITS DESIGNATED LOCATION AS DEFINED BY THIS LAYOUT UNLESS OTHERWISE NOTED. ALL EQUIPMENT IS SIZED BY RACK UNITS (RU) ACCORDING TO THE BASIS OF DESIGN MANUFACTURER AND MODEL NUMBER. THE FINAL LAYOUT AND EQUIPMENT SIZE MAY VARY BASED ON THE FINAL SELECTION OF THE EQUIPMENT. ANY CHANGES TO THE LAYOUT SHOWN ABOVE SHALL BE COORDINATED WITH THE C.O.R. PRIOR TO INSTALLATION. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION..
2. FIBER DISTRIBUTION FOR LEG "A" SHALL BE ON THE LEFT SIDE OF THE FIBER PANEL, LEG "B" SHALL BE ON THE RIGHT SIDE.
3. RACK BONDING BUS BAR (SC-GND-2). RBB, SHALL BE MOUNTED AT THE REAR, TOP OF THE CABINET. REFER TO SPECIFICATION SECTION 270526 FOR ADDITIONAL INFORMATION.

KEYNOTES: (#)

1. TWO (2) SC-PDU-2 PER RACK, MOUNTED AT THE REAR OF THE RACK, ONE (1) PER SIDE.
2. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR UPS INFORMATION.



2 CABLE TRAY LAYOUT TR-4-2110

1/4" = 1'-0"

NOTES:

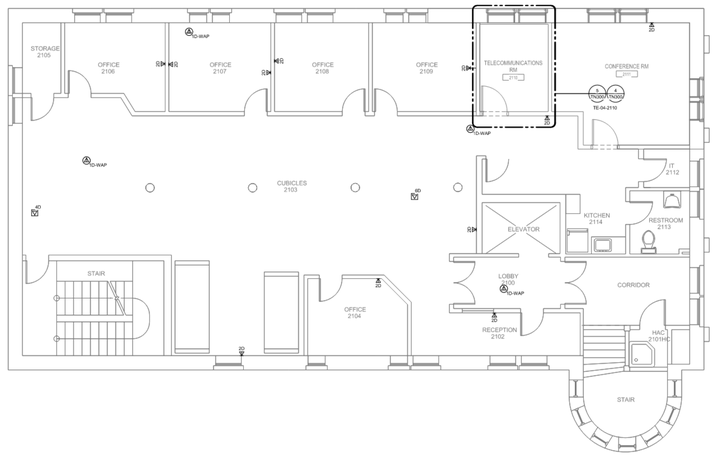
1. LADDER RACK SHALL BE MOUNTED 6" ABOVE THE TOP OF THE TELECOM RACKS/CABINETS.

GENERAL NOTES:

1. REFER TO 1/TN400 FOR TECHNOLOGY ROUGH IN DETAIL.
2. ALL NETWORK CABLES ON THIS SHEET SHALL TERMINATE IN TR-111-B0423.
3. CONTRACTOR TO PROVIDE NEW J-HOOK ROUTES FOR ALL NEW CABLING. J-HOOK SIZE AND QUANTITY TO BE PER MANUFACTURER RECOMMENDATIONS.
4. REFER TO TN500-TN509 FOR RISER DIAGRAMS.
5. REFER TO SHEET TN402 FOR PENETRATION DETAILS.
6. THESE DRAWINGS MAKE THE BEST ATTEMPT TO IDENTIFY EXISTING DATA DROPS/WORK AREA OUTLETS. AS LONG AS THE TOTAL NEWLY INSTALLED DATA DROP COUNT DOES NOT VARY +/- 10% IDENTIFIED ON THESE DRAWINGS, THE CONTRACTOR'S SCOPE SHALL BE UNCHANGED.
7. NEW WORK AREA OUTLETS SHALL BE LOCATED IN EXISTING BOXES. WORK AREA OUTLETS SHOWN ON THIS SHEET MAY NOT BE IN THE EXACT LOCATION AS IDENTIFIED.
8. CONTRACTOR TO INCLUDE AN ALLOWANCE FOR 10% ADDITIONAL 2-PORTS CAT6A INFORMATION OUTLETS IN THEIR PROPOSAL FOR THIS SHEET. FUTURE INFORMATION OUTLET LOCATIONS WILL BE DETERMINED BY THE VA AT A LATER DATE.

KEYNOTES: (#)

1. CAT 6A CABLING TO ALL INFORMATION OUTLETS ON THIS SIDE OF THE MATCH LINE, A WING, SHALL BE SHIELDED CABLE.



4 BUILDING 04 SECOND FLOOR PLAN - TECHNOLOGY

Revisions:	Date:

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9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PROTOTYPE LAYOUT - BUILDING 4 SECOND FLOOR - TECHNOLOGY	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number:
		Issue Date: SEPTEMBER 5, 2025 / Checked: Checker / Drawn: Author	Drawing Number: GC106

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BARRIER LEGEND

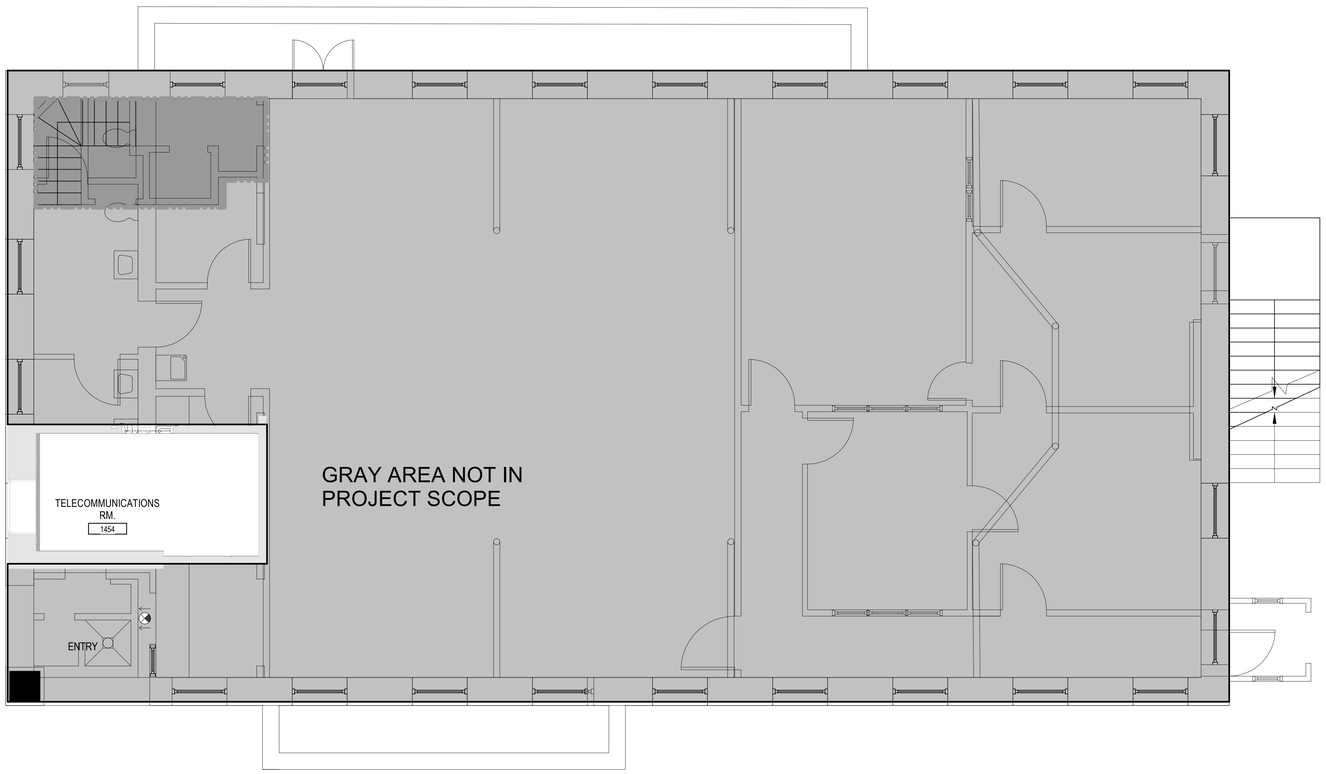
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

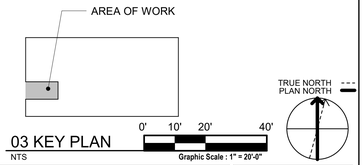
1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



1 BUILDING 03 FIRST FLOOR LIFE SAFETY PLAN
1/4" = 1'-0"



03 KEY PLAN
NTS

Revisions:	Date:

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9.5.2025

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

Drawing Title: BUILDING 03 FIRST FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number: 03
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	Drawing Number: 03-GC101

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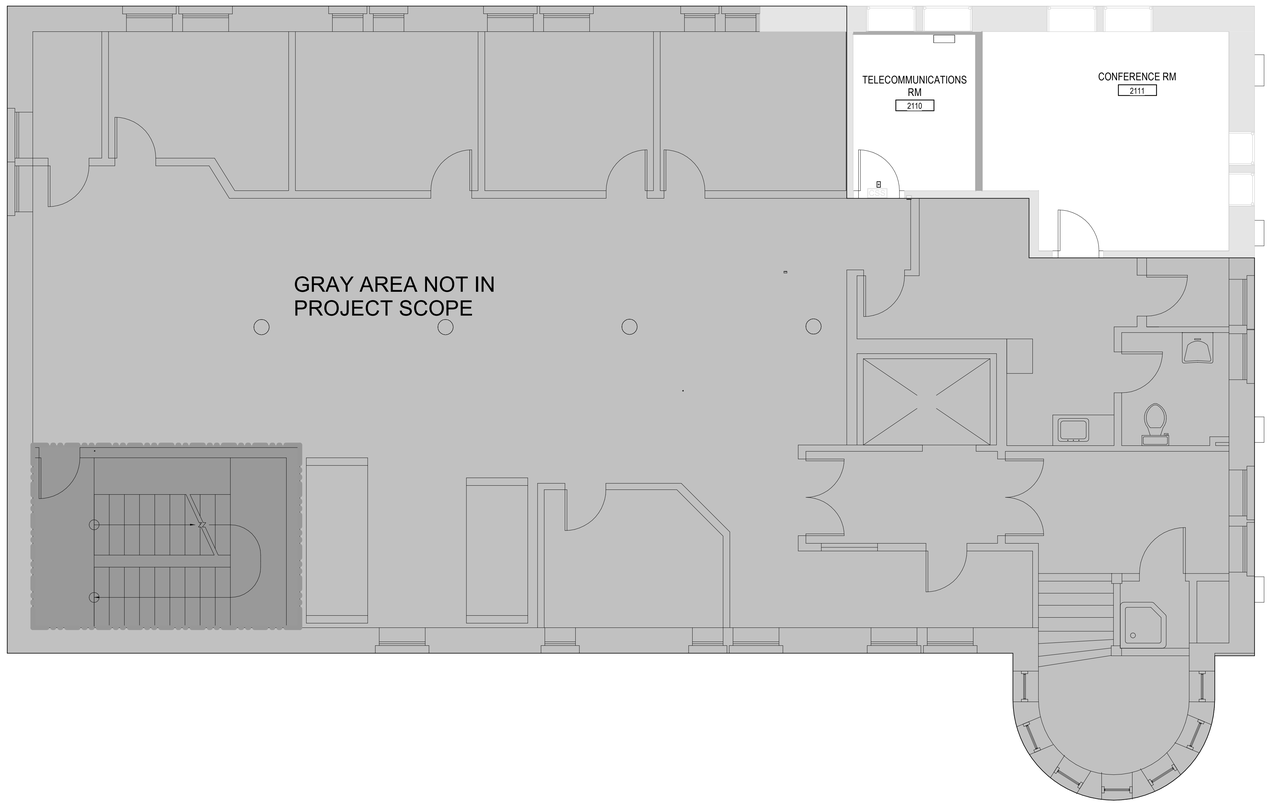

1 BUILDING 04 SECOND FLOOR LIFE SAFETY PLAN
1/4" = 1'-0"

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

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3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
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6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
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- 2 HOUR FIRE/SMOKE ZONE BARRIER
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- SMOKE ZONE BARRIER
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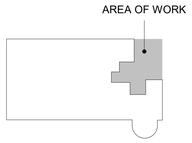
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



04 KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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REBECCA C. OLSON
001.011.1056
STATE OF ILLINOIS
9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 04 SECOND FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 04
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 04-GC101
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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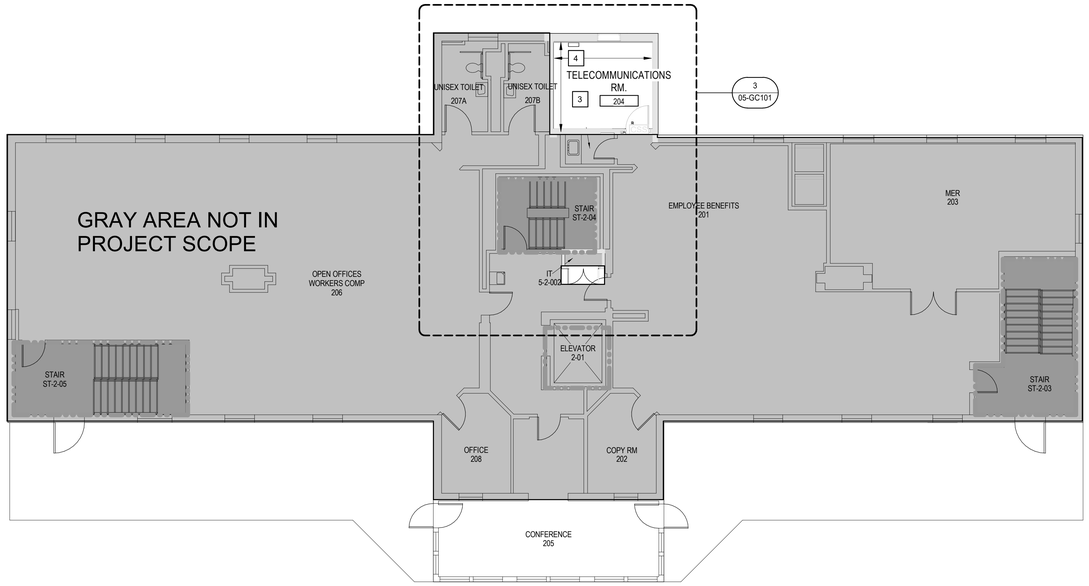
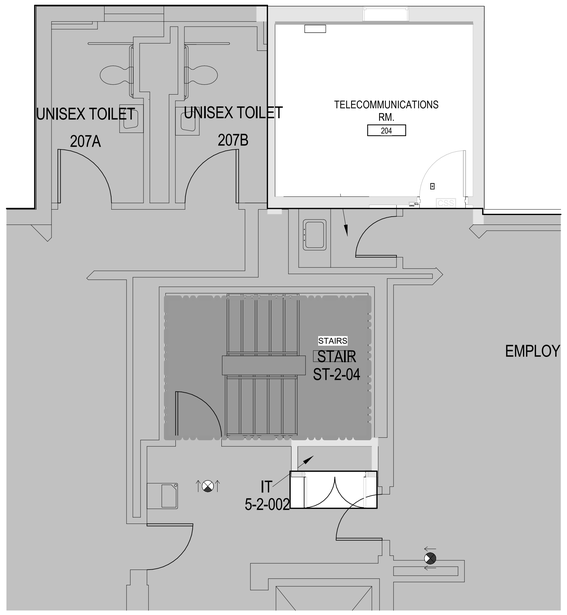
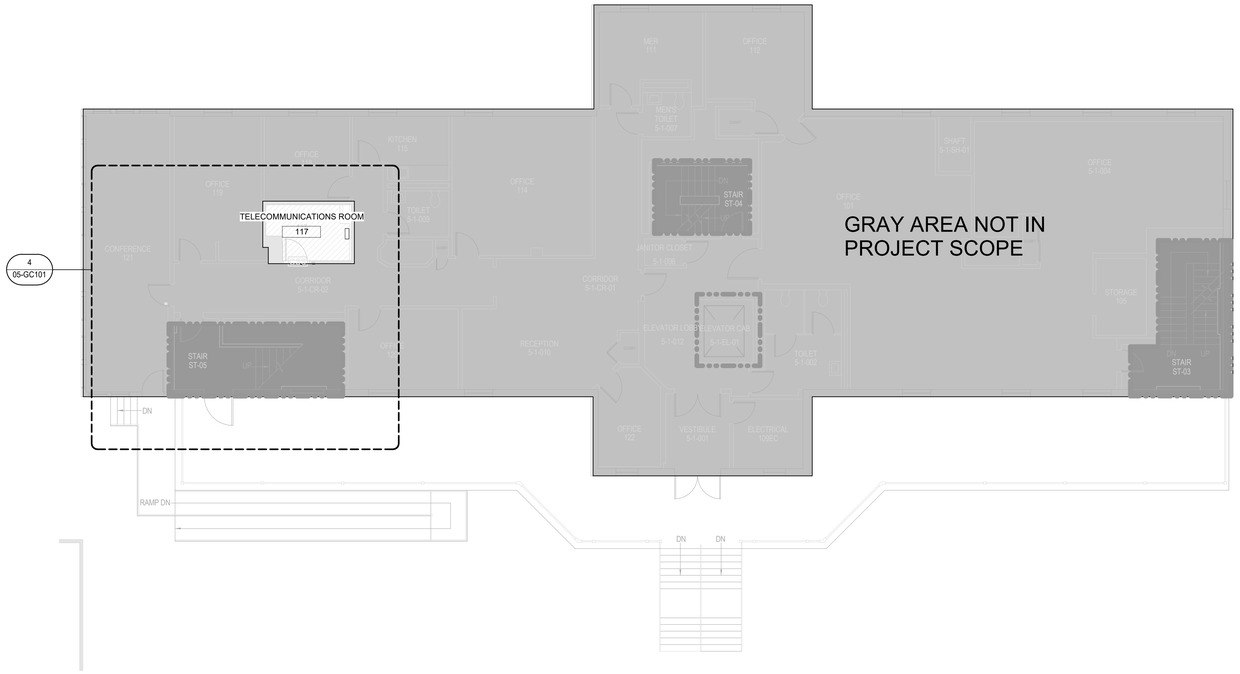


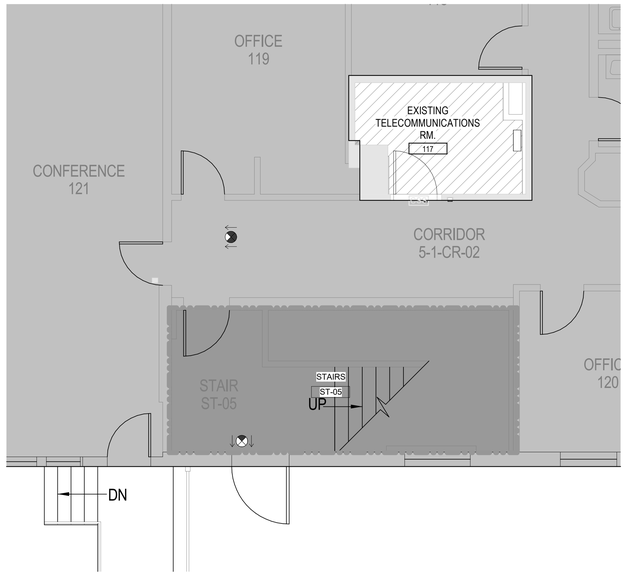
1 BUILDING 05 SECOND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"



3 BUILDING 05 SECOND FLOOR LIFE SAFETY ENLARGED PLAN
1/4" = 1'-0"



2 BUILDING 05 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"



4 BUILDING 05 FIRST FLOOR LIFE SAFETY ENLARGED PLAN
1/4" = 1'-0"

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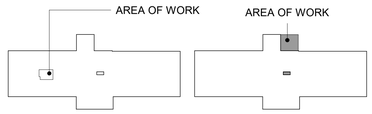

05 KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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LICENSED ARCHITECT REBECCA C. OLSON 001.011024 STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 05 FIRST & SECOND FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 05
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 05-GC101
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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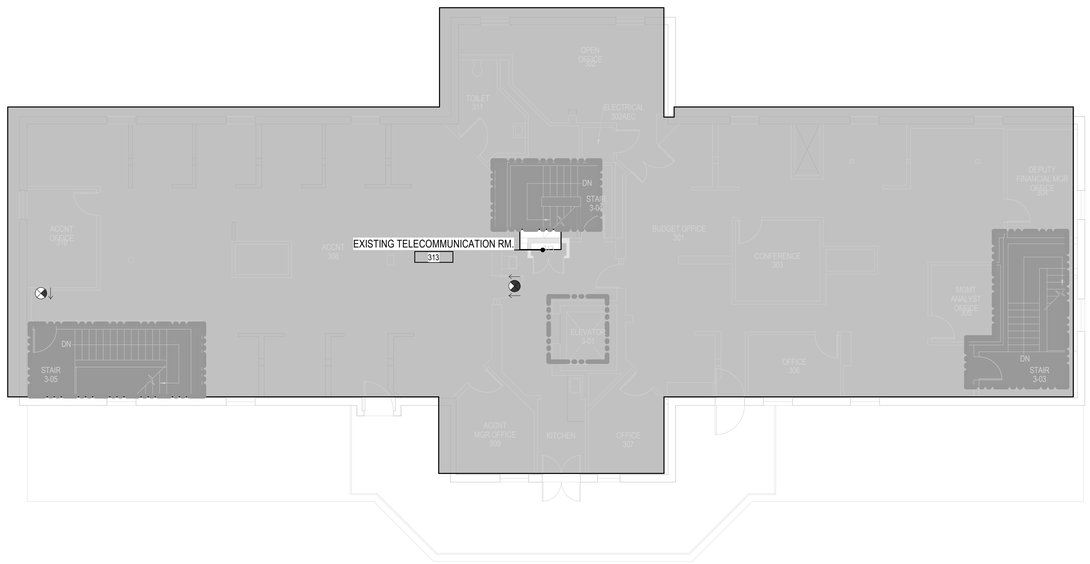

1 BUILDING 05 THIRD FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

BARRIER LEGEND

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- EXISTING WALL TO REMAIN

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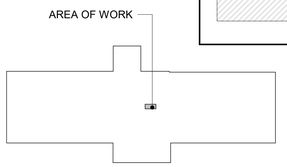

05 KEY PLAN
NTS

TRUE NORTH
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0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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001.017094
STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 05 THIRD FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 05
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 05-GC102
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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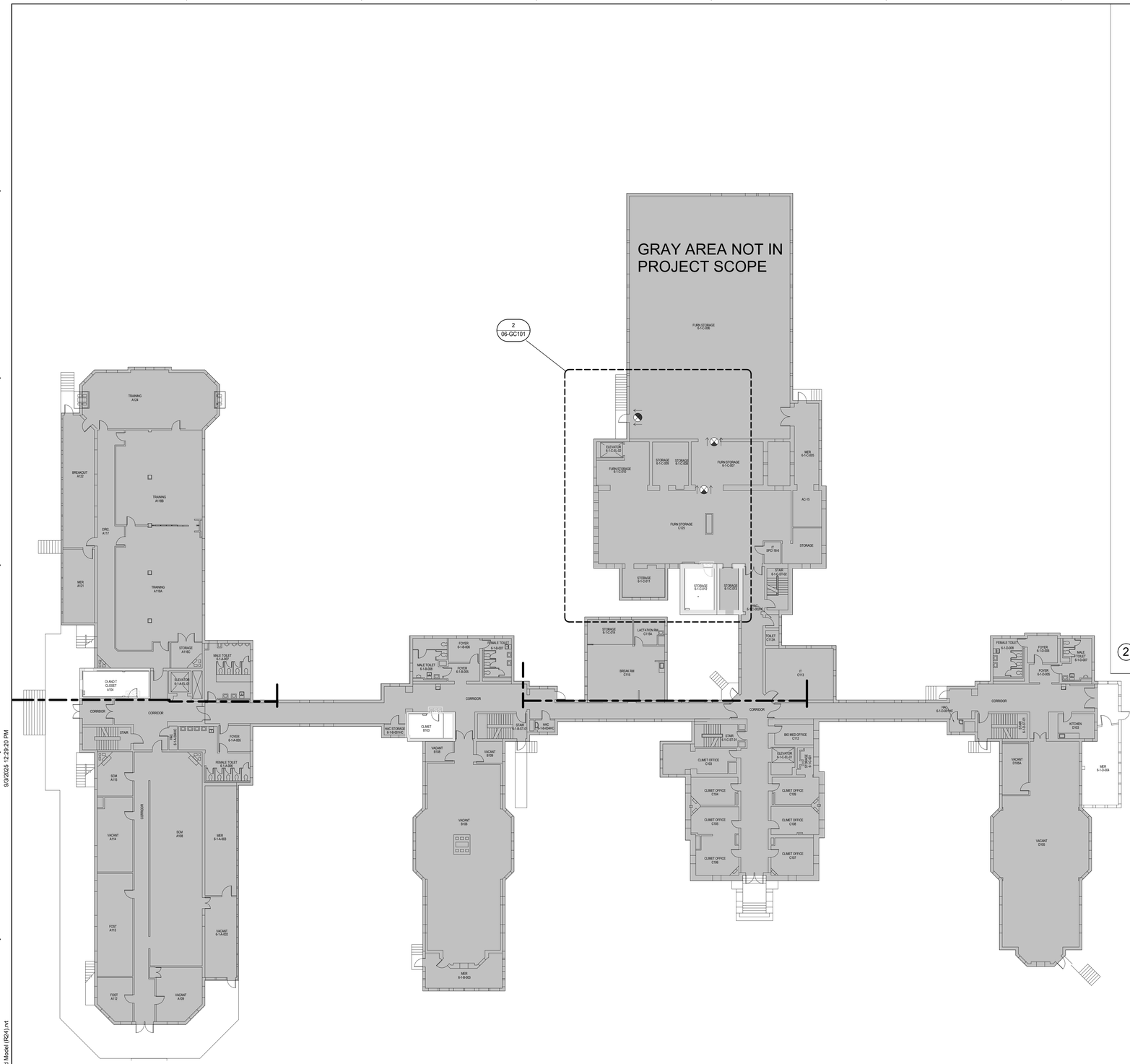
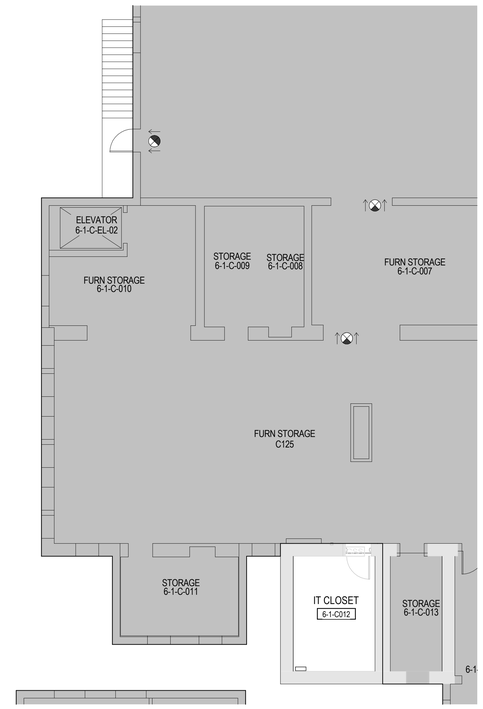


1 BUILDING 06 FIRST FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"



2 BUILDING 06 FIRST FLOOR ENLARGED LIFE SAFETY PLAN
1/8" = 1'-0"

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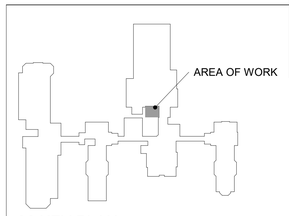

06 KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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REBECCA C. OLSON
001.011034
STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 06 FIRST FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Building Number: 06
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	Drawing Number: 06-GC101

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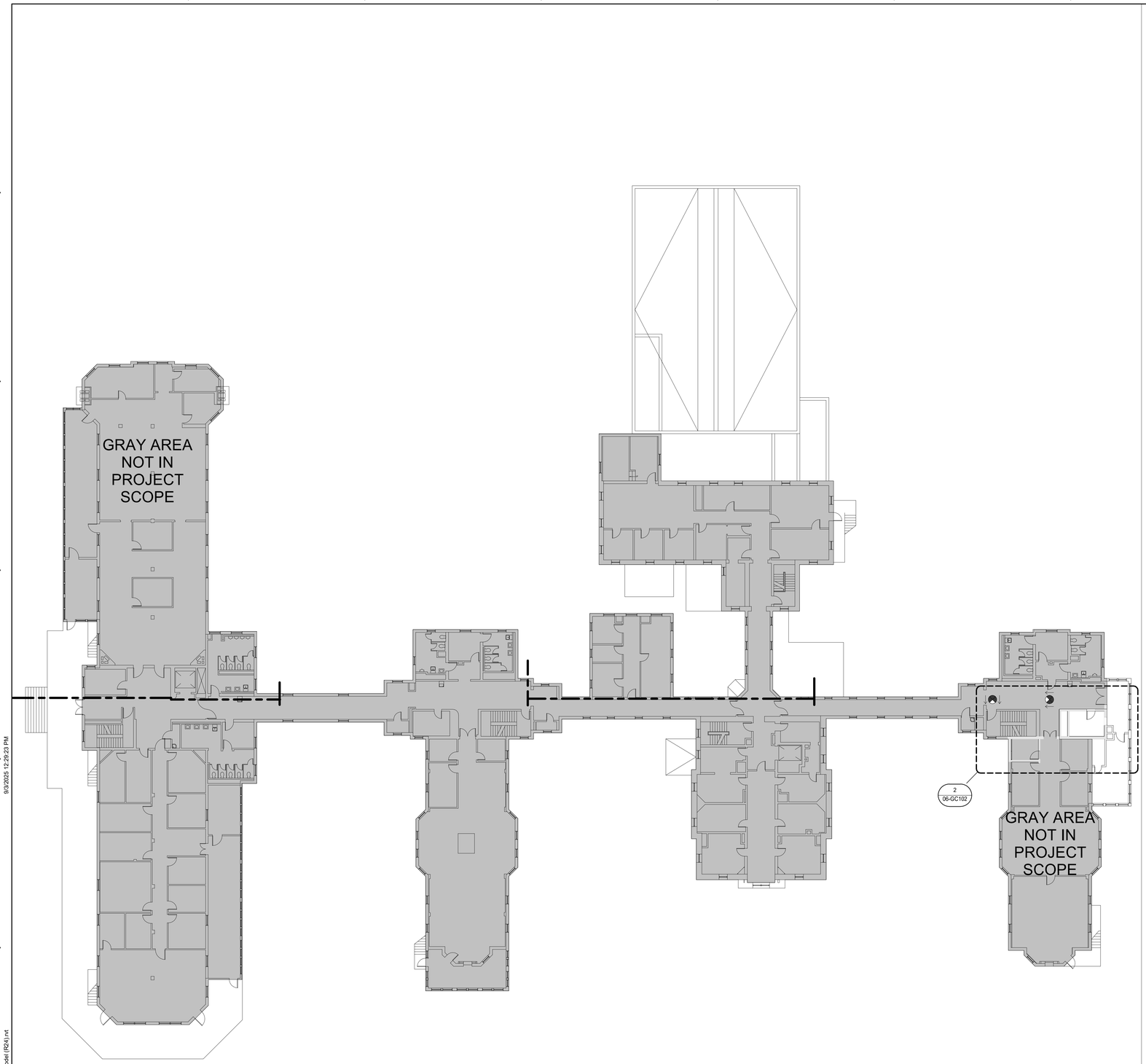

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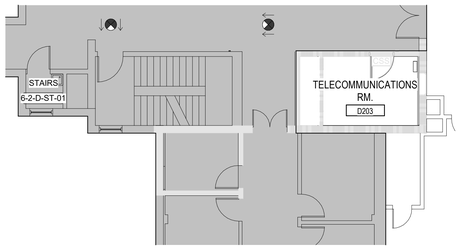
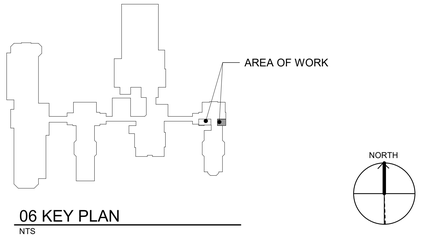


2 BUILDING 06 SECOND FLOOR ENLARGED LIFE SAFETY PLAN
1/8" = 1'-0"



06 KEY PLAN
NTS

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Revisions:	Date:

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STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 06 SECOND FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 06
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 06-GC102
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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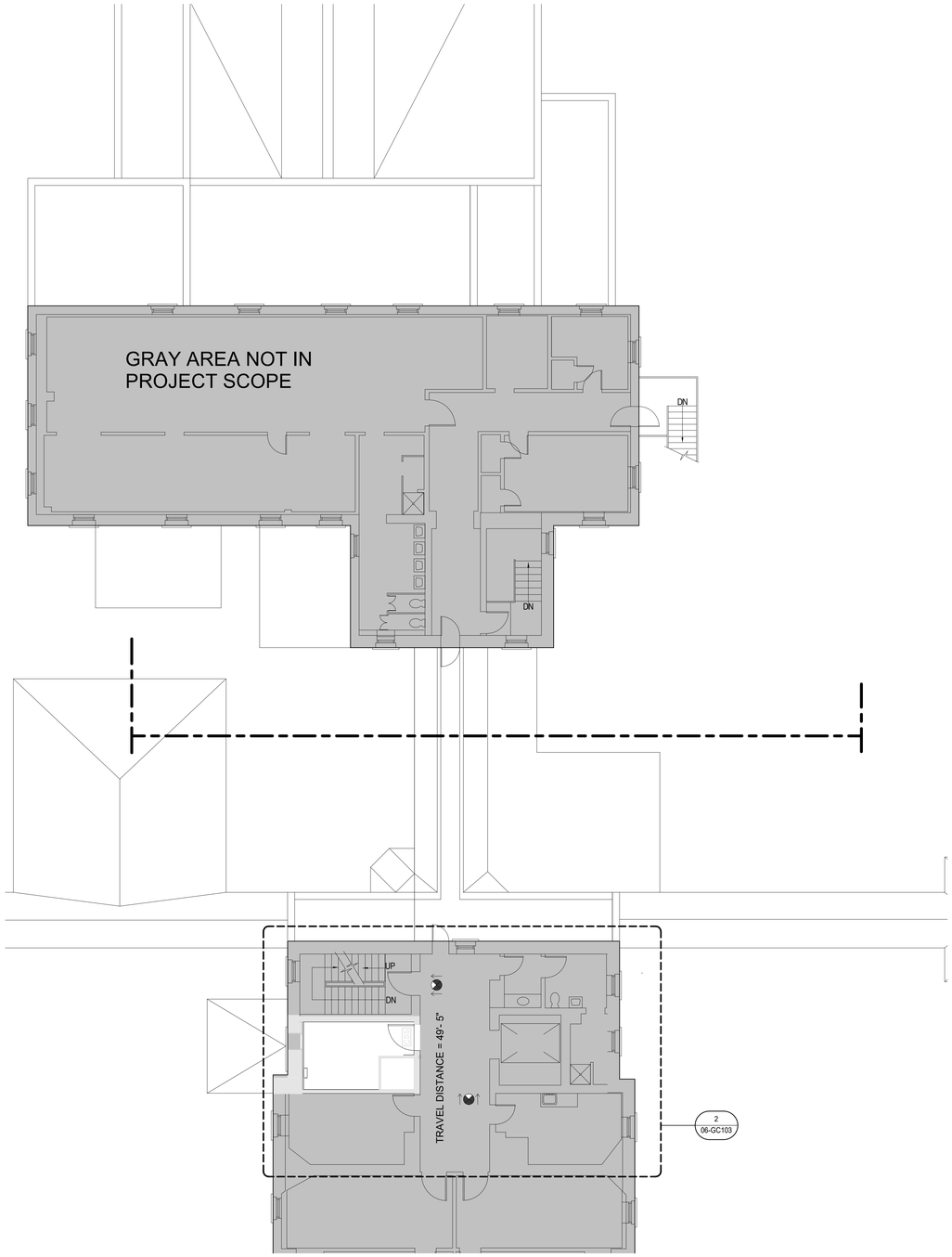

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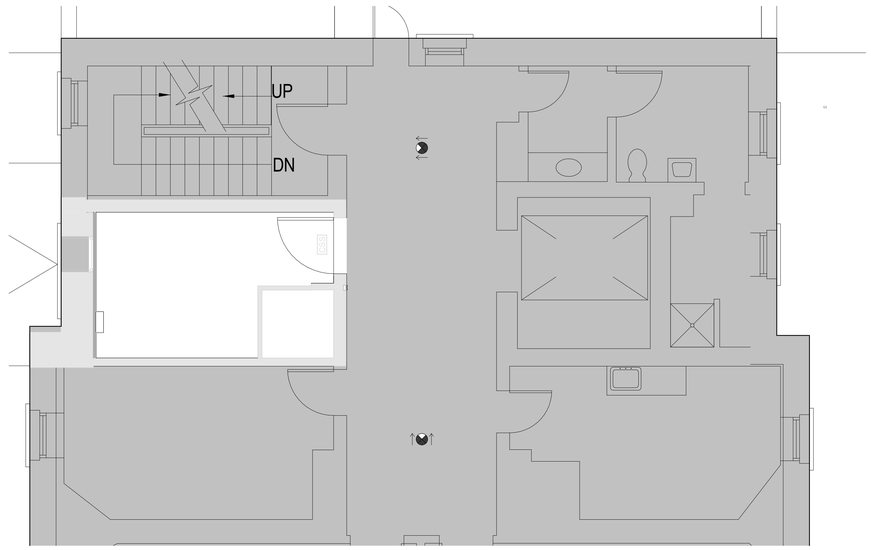

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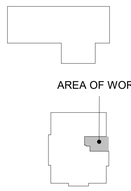

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- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED

Revisions:	Date:

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REBECCA C. OLSON
001.011034
STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 06 THIRD FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 06
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 06-GC103
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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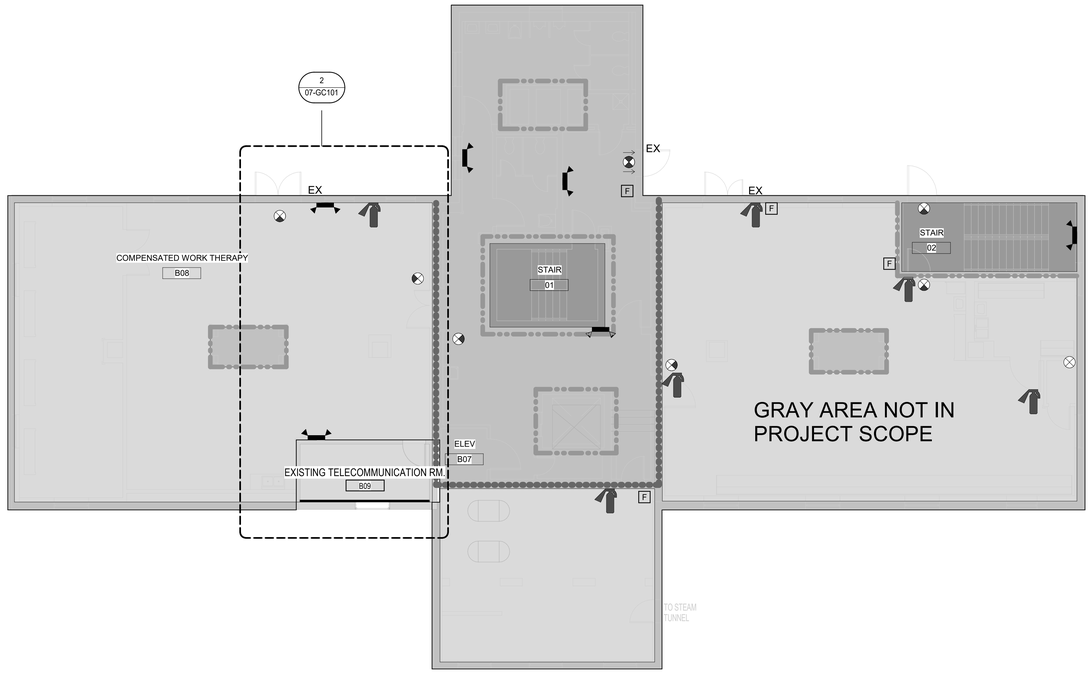
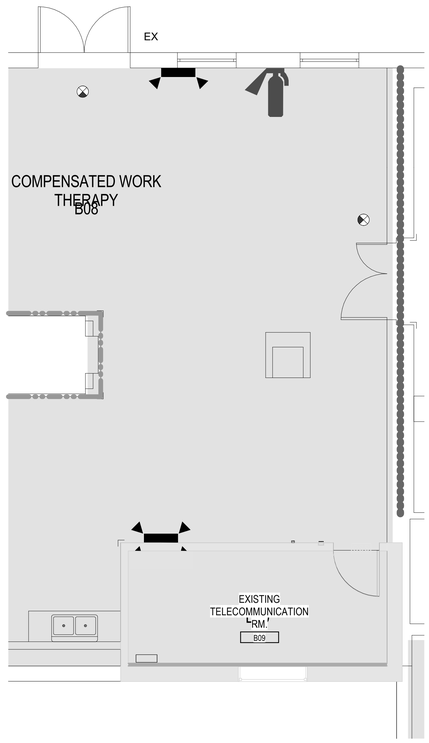


1 BUILDING 07 BASEMENT LIFE SAFETY PLAN
1/8" = 1'-0"



2 BUILDING 07 BASEMENT ENLARGED LIFE SAFETY PLAN
1/4" = 1'-0"

CODE SUMMARY

1. FULLY SPRINKLERED
2. BUSINESS OCCUPANCY
3. SQUARE FOOTAGE: 7,003

BARRIER LEGEND

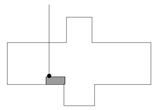
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

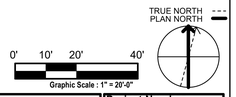
1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



07 KEY PLAN
NTS



Revisions:	Date:

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REBECCA C. OLSON
001.011094
STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 07 BASEMENT LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 07
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 07-GC101
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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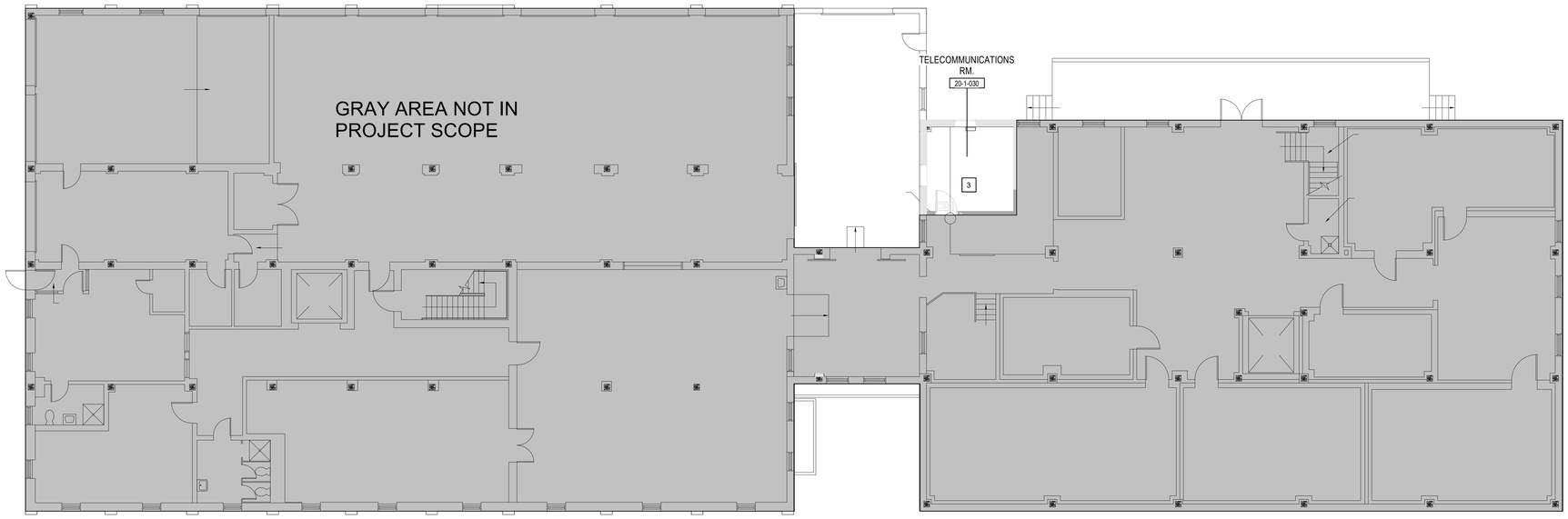

1 BUILDING 20 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
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- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
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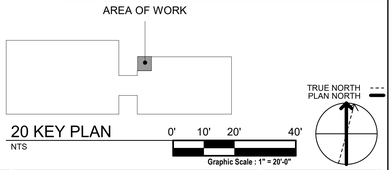
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



20 KEY PLAN
NTS

Revisions:	Date:

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9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title BUILDING 20 FIRST FLOOR LIFE SAFETY PLAN	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	**Project Number** 695-21-700
			Building Number 20
Approved:	**Sprinklered** FULLY SPRINKLERED	**Location** 5000 W. NATIONAL AVENUE MILWAUKEE, WI	**Drawing Number** 20-GC101
		Issue Date SEPTEMBER 5, 2025 / **Checked** RCO / **Drawn** EM	

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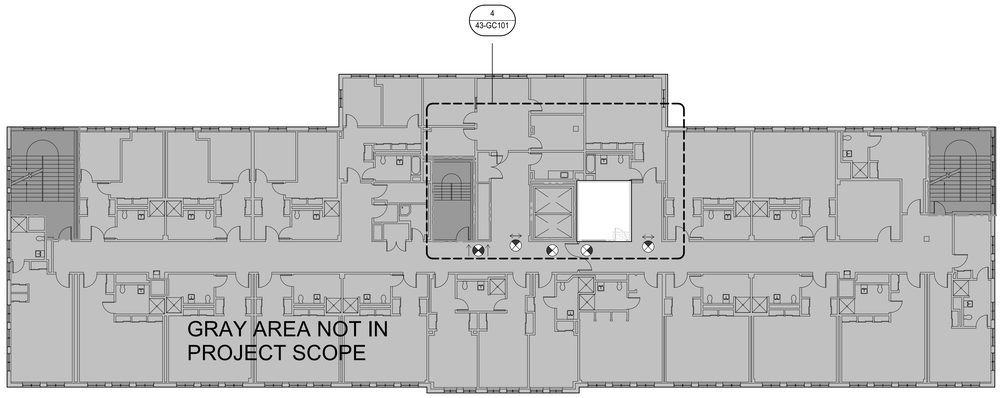
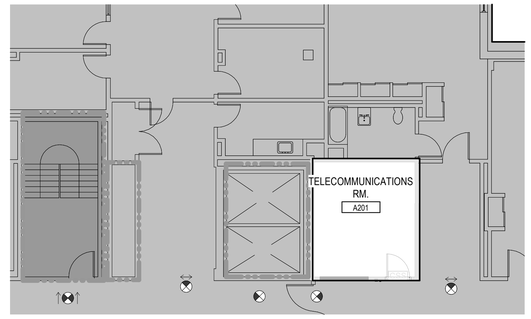


2 BUILDING 43 SECOND FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"



4 BUILDING 43 SECOND FLOOR ENLARGED LIFE SAFETY PLAN
1/8" = 1'-0"

CODE SUMMARY

1. FULLY SPRINKLERED
2. DORMITORY OCCUPANCY
3. SQUARE FOOTAGE: LEVEL 1: 2,244
   LEVEL 2: 2,086

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
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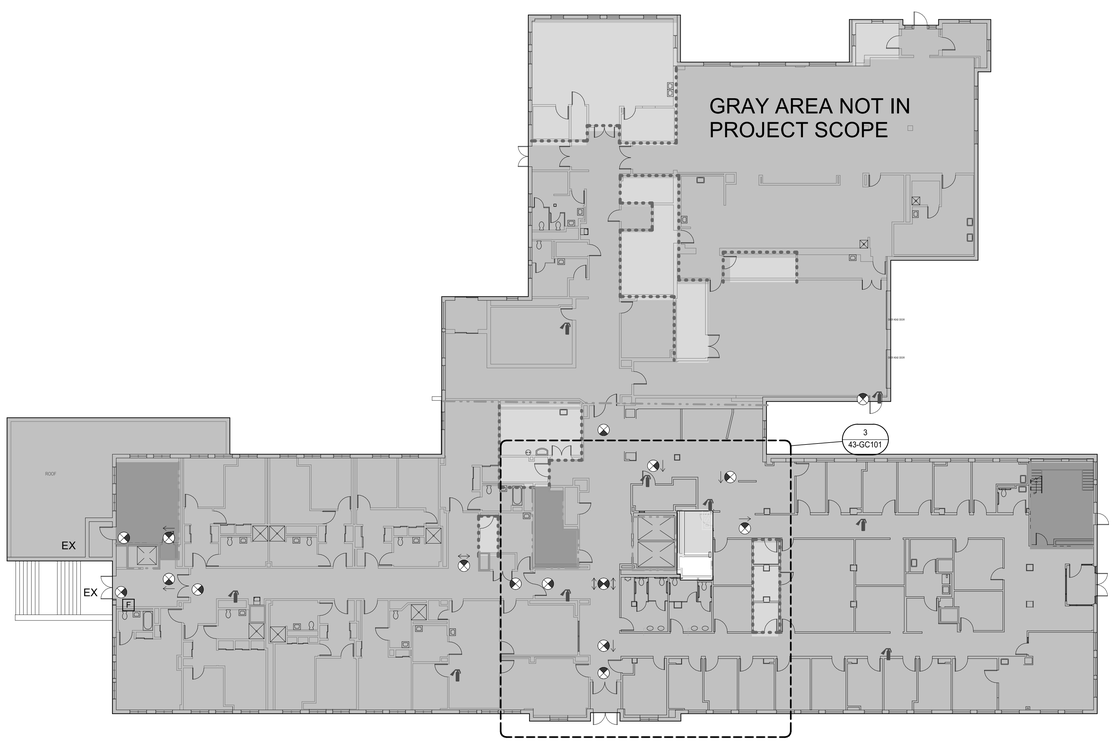
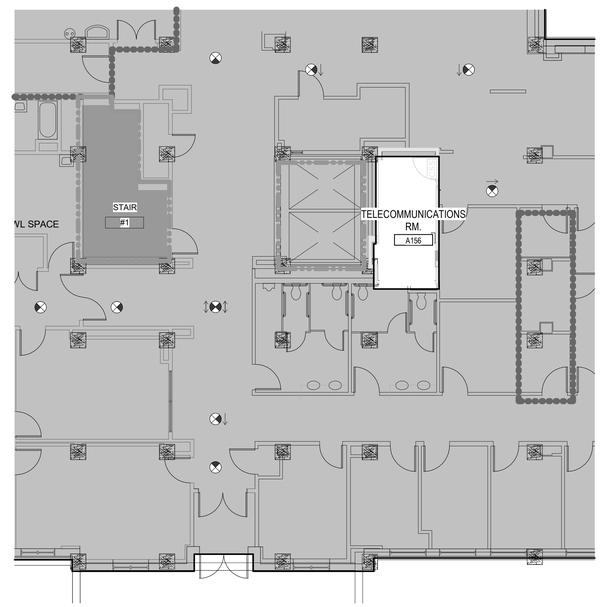
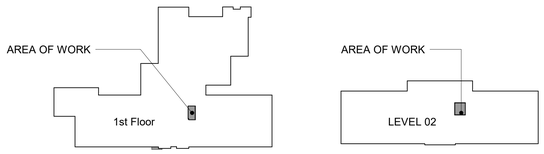
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



1 BUILDING 43 FIRST FLOOR LIFE SAFETY PLAN
1/16" = 1'-0"



3 BUILDING 43 FIRST FLOOR ENLARGED LIFE SAFETY PLAN
1/8" = 1'-0"



43 KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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9.5.2025

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

Drawing Title: BUILDING 43 FIRST AND SECOND FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 43
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 43-GC101
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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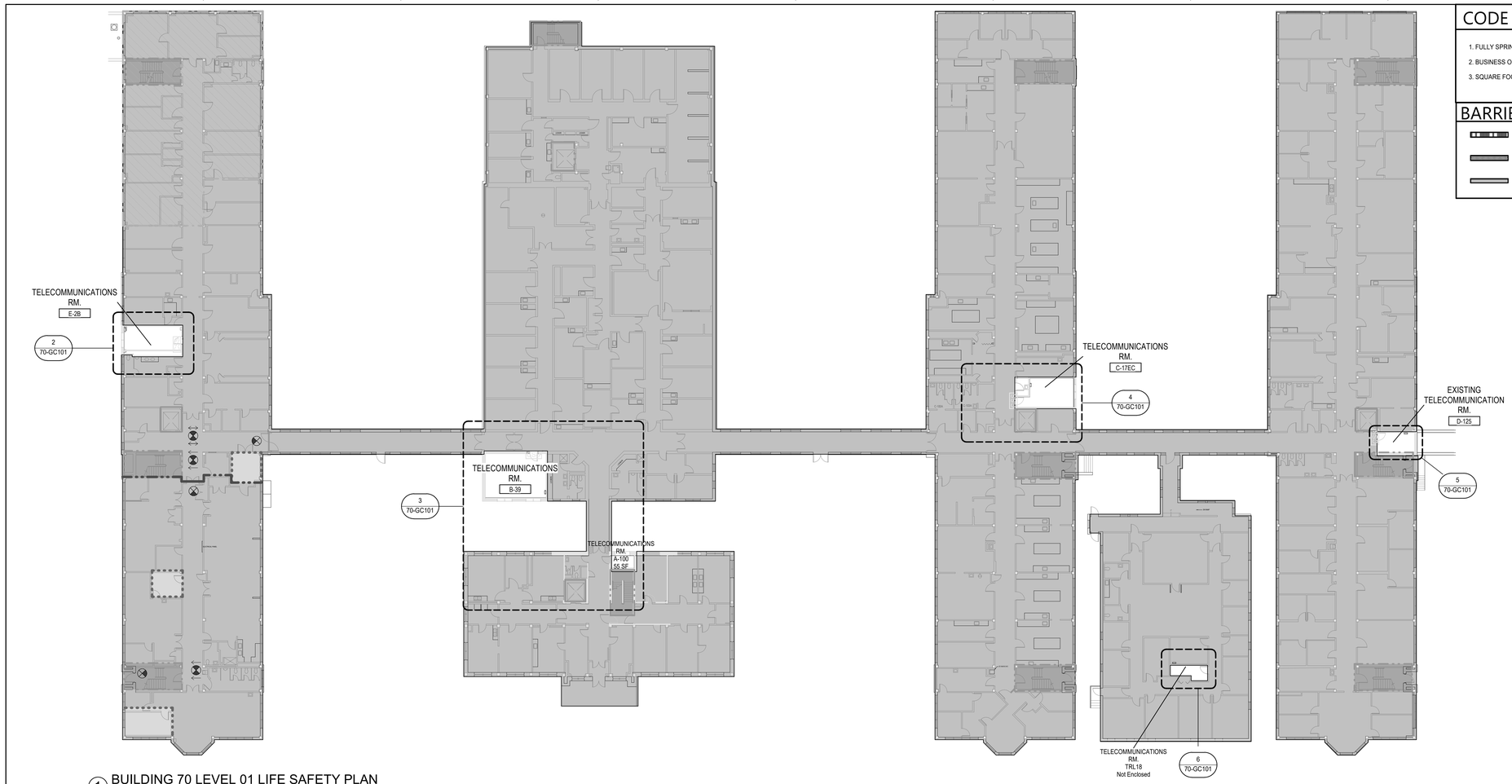

1 BUILDING 70 LEVEL 01 LIFE SAFETY PLAN
1" = 20'-0"

CODE SUMMARY

1. FULLY SPRINKLERED
2. BUSINESS OCCUPANCY
3. SQUARE FOOTAGE: 16,618

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
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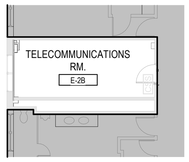
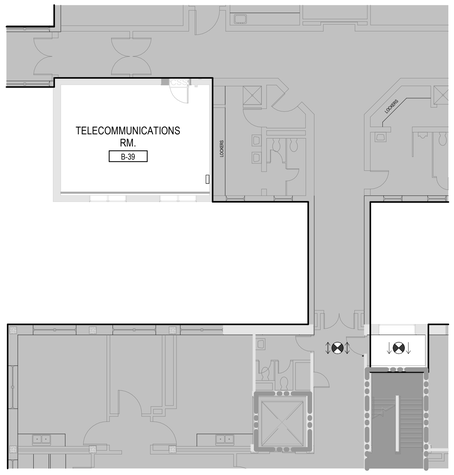
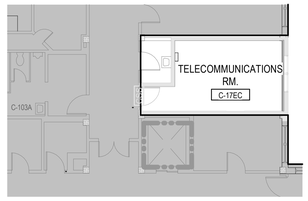
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



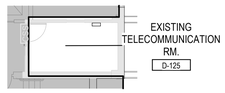
2 BUILDING 70 LEVEL 01 LIFE SAFETY PLAN - RM. E-104
1" = 10'-0"



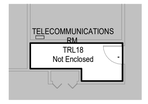
3 BUILDING 70 LEVEL 01 LIFE SAFETY PLAN - RM. B-159
1" = 10'-0"



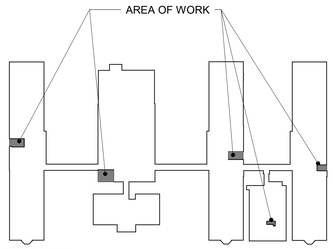
4 BUILDING 70 LEVEL 01 LIFE SAFETY PLAN - RM. C-126
1" = 10'-0"



5 BUILDING 70 LEVEL 01 LIFE SAFETY PLAN - RM. D-125
1" = 10'-0"



6 BUILDING 70 LEVEL 01 LIFE SAFETY PLAN - RM.TRL 18
1" = 10'-0"



70 KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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

Drawing Title: BUILDING 70 FIRST FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 70
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 70-GC101
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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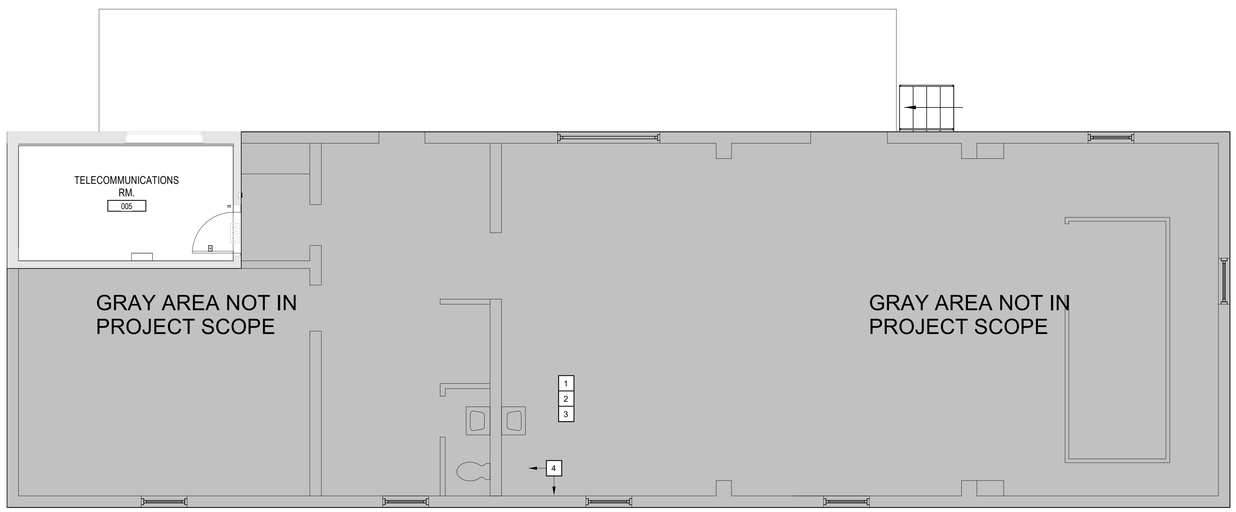


1 BUILDING 97 LEVEL 01 LIFE SAFETY PLAN
1/4" = 1'-0"

BARRIER LEGEND

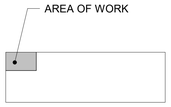
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



KEY PLAN - BUILDING 97 KEYPLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

CONSULTANT

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REBECCA C. OLSON
001.011.0038
STATE OF ILLINOIS
9.5.2025

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

Drawing Title BUILDING 97 FIRST FLOOR LIFE SAFETY PLAN	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	**Project Number** 695-21-700
			Building Number 97
Approved:	**Sprinklered** FULLY SPRINKLERED	**Location** 5000 W. NATIONAL AVENUE MILWAUKEE, WI	**Drawing Number** 97-GC101
		Issue Date SEPTEMBER 5, 2025 / **Checked** RCO / **Drawn** EM	

VA FORM 08 - 6231

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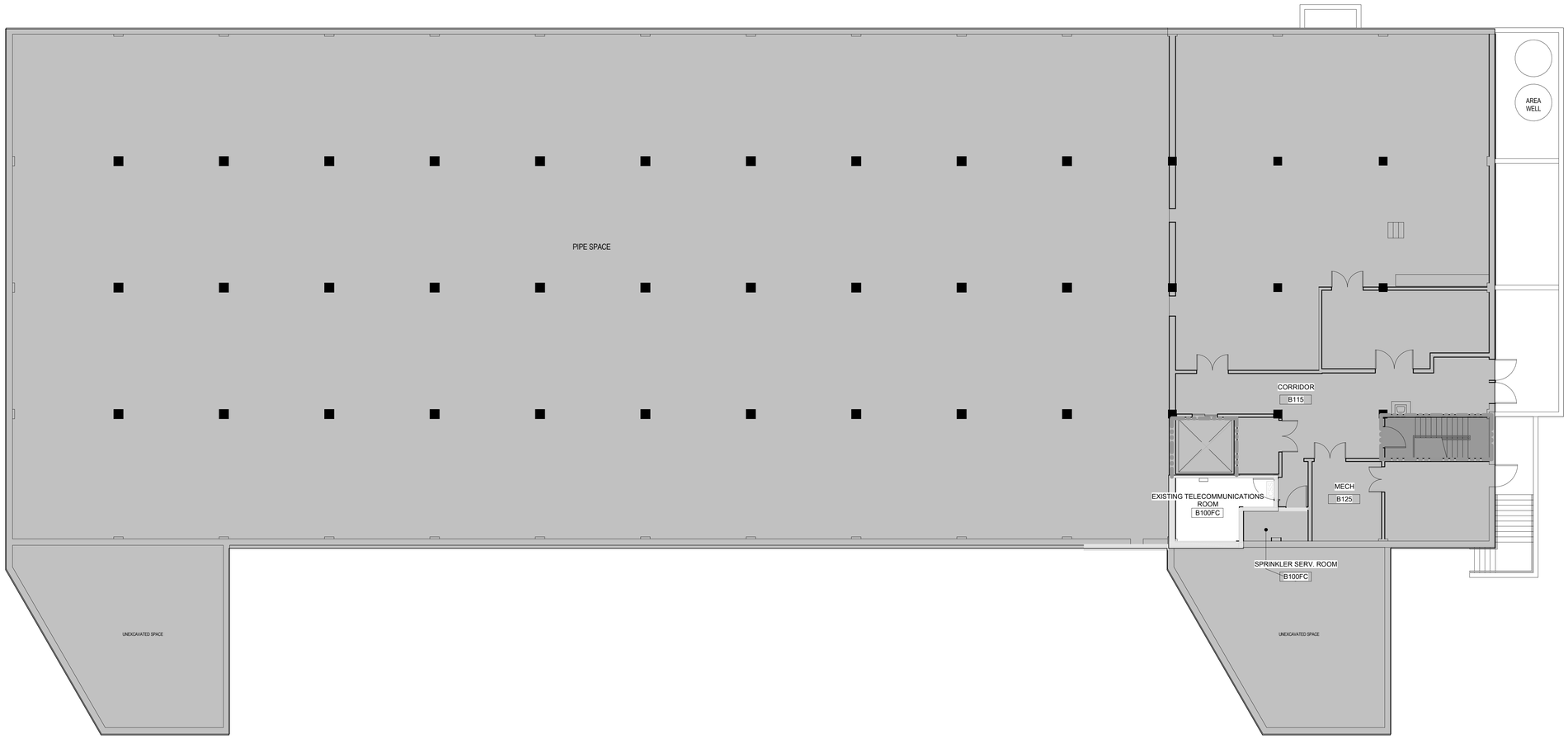


1 BUILDING 102 LEVEL 00 LIFE SAFETY PLAN
1/8" = 1'-0"

BARRIER LEGEND

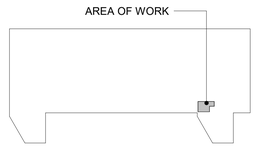
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



KEY PLAN - BUILDING 102
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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REBECCA C. OLSON
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STATE OF ILLINOIS
9.5.2025

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

Drawing Title BUILDING 102 BASEMENT LIFE SAFETY PLAN	**Phase** FINAL BID DOCUMENTS	**Project Title** EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	**Project Number** 695-21-700
			Building Number 102
Approved:	**Sprinklered** FULLY SPRINKLERED	**Location** 5000 W. NATIONAL AVENUE MILWAUKEE, WI	**Drawing Number** 102-GC101
		Issue Date SEPTEMBER 5, 2025 / **Checked** RCO / **Drawn** EM	

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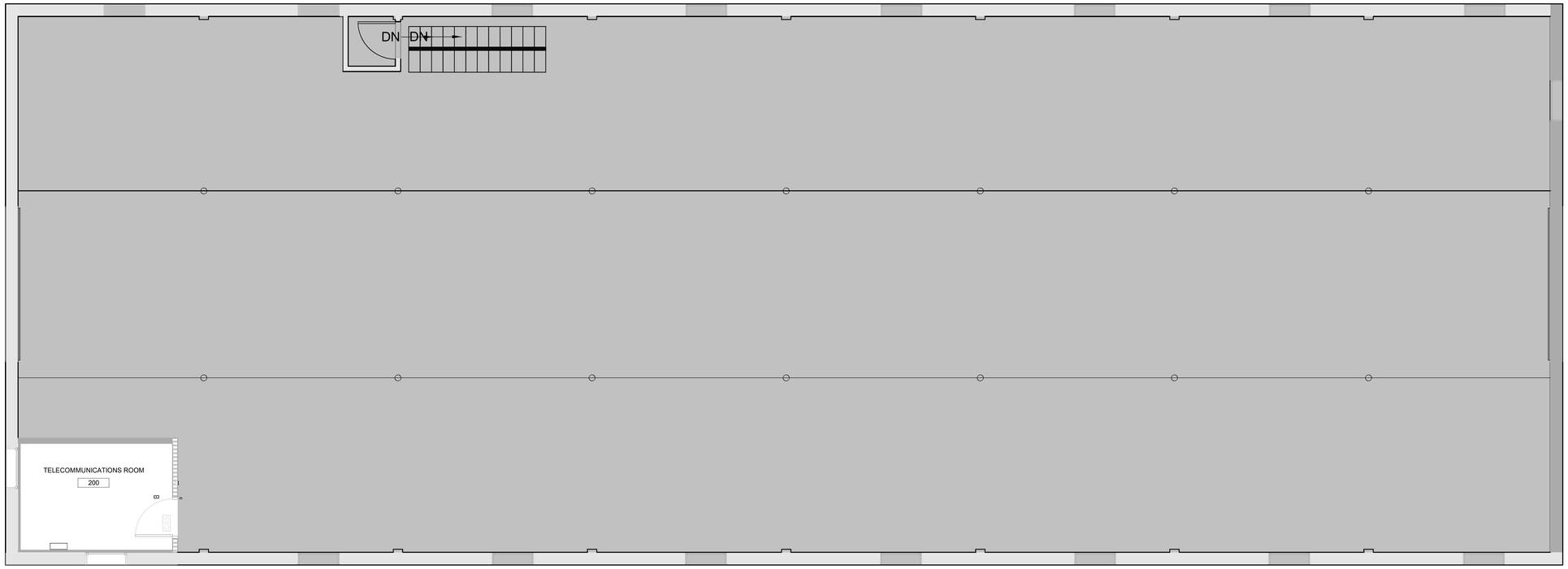


1 BUILDING 107 MEZZANINE LIFE SAFETY PLAN
1/4" = 1'-0"

BARRIER LEGEND

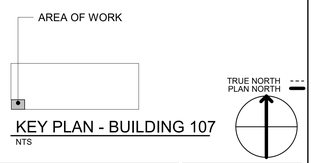
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



KEY PLAN - BUILDING 107
NTS

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9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 107 MEZZANINE LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 107
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 107-GC101
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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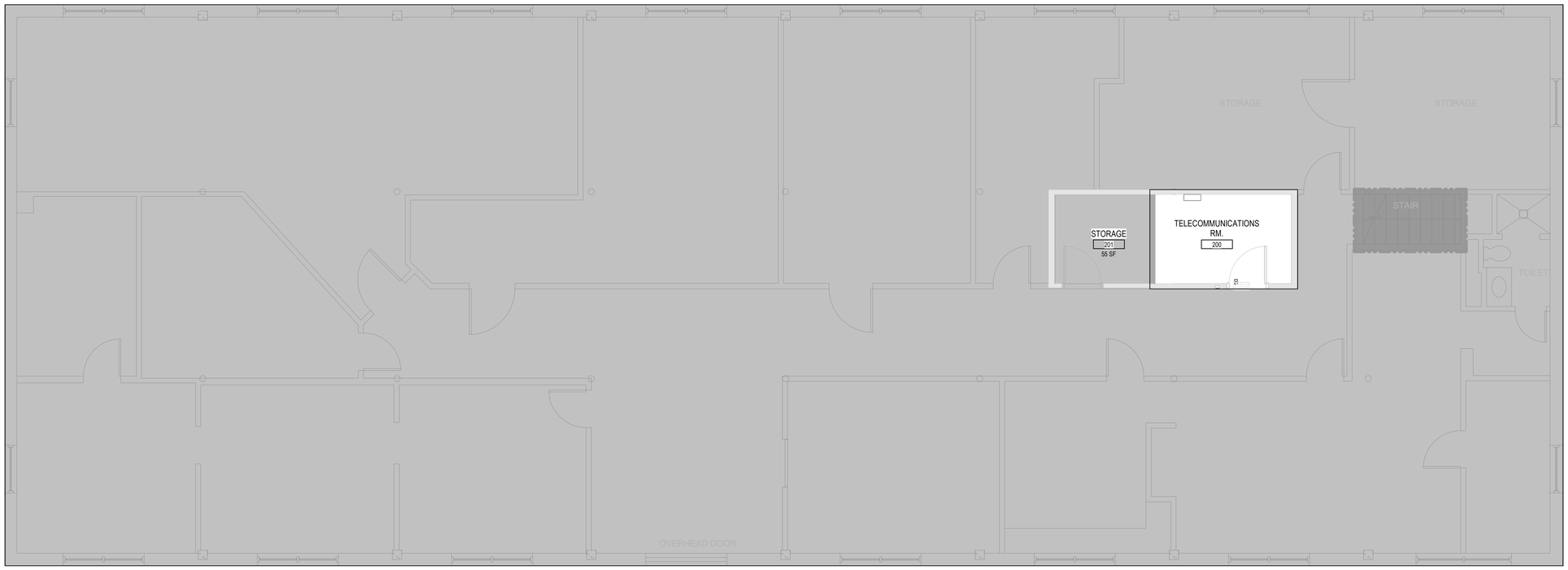

1 BUILDING 108 LEVEL 02 LIFE SAFETY FLOOR PLAN
1/4" = 1'-0"

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

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3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
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- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
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- X'-X" — MAXIMUM TRAVEL DISTANCE
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- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
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- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED

108 KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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STATE OF ILLINOIS
9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 108 SECOND FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 108
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 108-GC101
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

VA FORM 08 - 6231

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Graphic Scale : 1/16" = 1'-0"
Graphic Scale : 1/8" = 1'-0"
Graphic Scale : 3/32" = 1'-0"
Graphic Scale : 1/4" = 1'-0"
Graphic Scale : 3/16" = 1'-0"
Graphic Scale : 1/2" = 1'-0"
Graphic Scale : 3/4" = 1'-0"
Graphic Scale : 1" = 1'-0"
Graphic Scale : 1 1/2" = 1'-0"

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

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LIFE SAFETY LEGEND

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- EXIT
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- TC — TRASH CHUTE
- EX — EXIT
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- ILLUMINATED EXIT SIGN / DIRECTION
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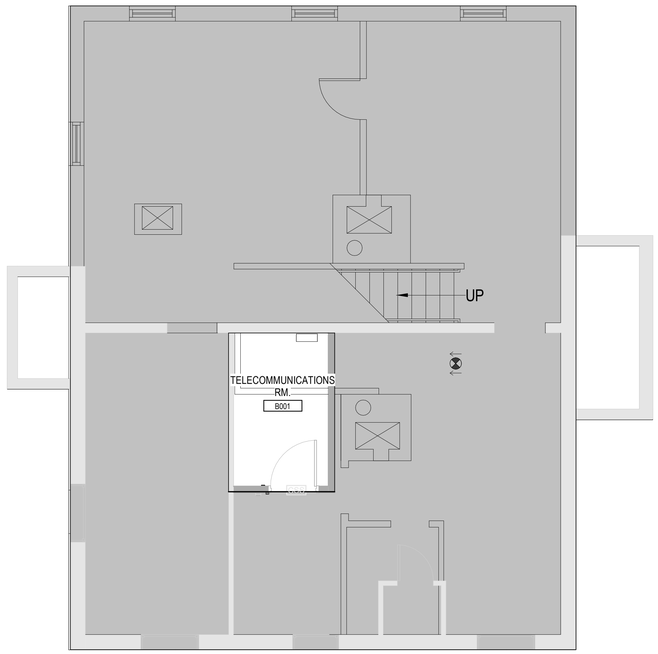
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



2 BUILDING 109 BASEMENT FLOOR LIFE SAFETY PLAN
1/4" = 1'-0"

1 109 KEY PLAN
1/32" = 1'-0"

TRUE NORTH
PLAN NORTH

0' 10' 20' 40'
Graphic Scale : 1" = 20'-0"

Revisions:	Date:

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STATE OF ILLINOIS
9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 109 BASEMENT FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 109
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 109-GC101
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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CODE SUMMARY

1. FULLY SPRINKLERED
2. BUSINESS OCCUPANCY
3. SQUARE FOOTAGE: 131, 729

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

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2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.
7. COORDINATE ALL ICRA-RELATED ACTIVITIES WITH COR PRIOR TO PERFORMANCE OF ANY WORK.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
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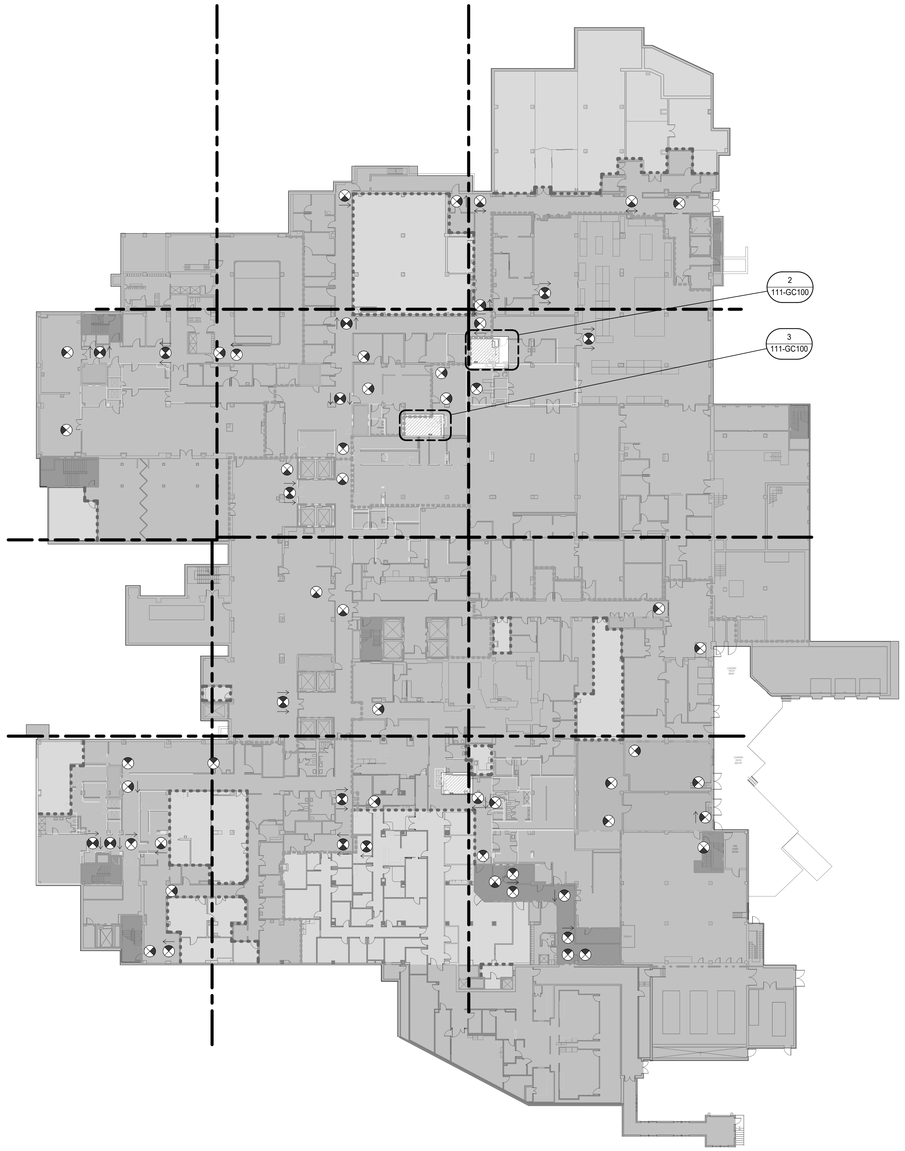
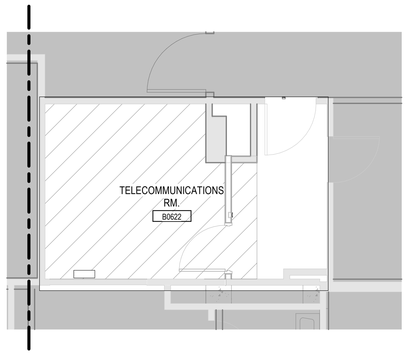
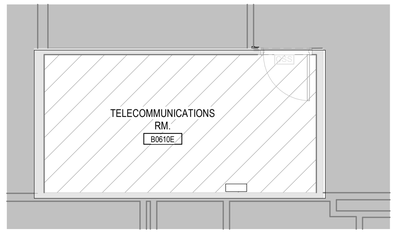
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



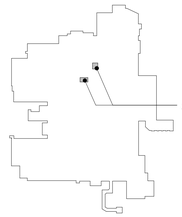
1 BUILDING 111 BASEMENT FLOOR LIFE SAFETY PLAN
1" = 30'-0"



2 BUILDING 111 BASEMENT FLOOR LIFE SAFETY PLAN - RM. B0622
1/4" = 1'-0"



3 BUILDING 111 BASEMENT FLOOR LIFE SAFETY PLAN - RM. B0610E
1/4" = 1'-0"



111 LEVEL 00 - KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 15' 30' 60'
Graphic Scale : 1" = 30'-0"

Revisions:	Date:

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9.5.2025

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

Drawing Title: BUILDING 111 BASEMENT LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 111
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 111-GC100
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

VA FORM 08 - 6231

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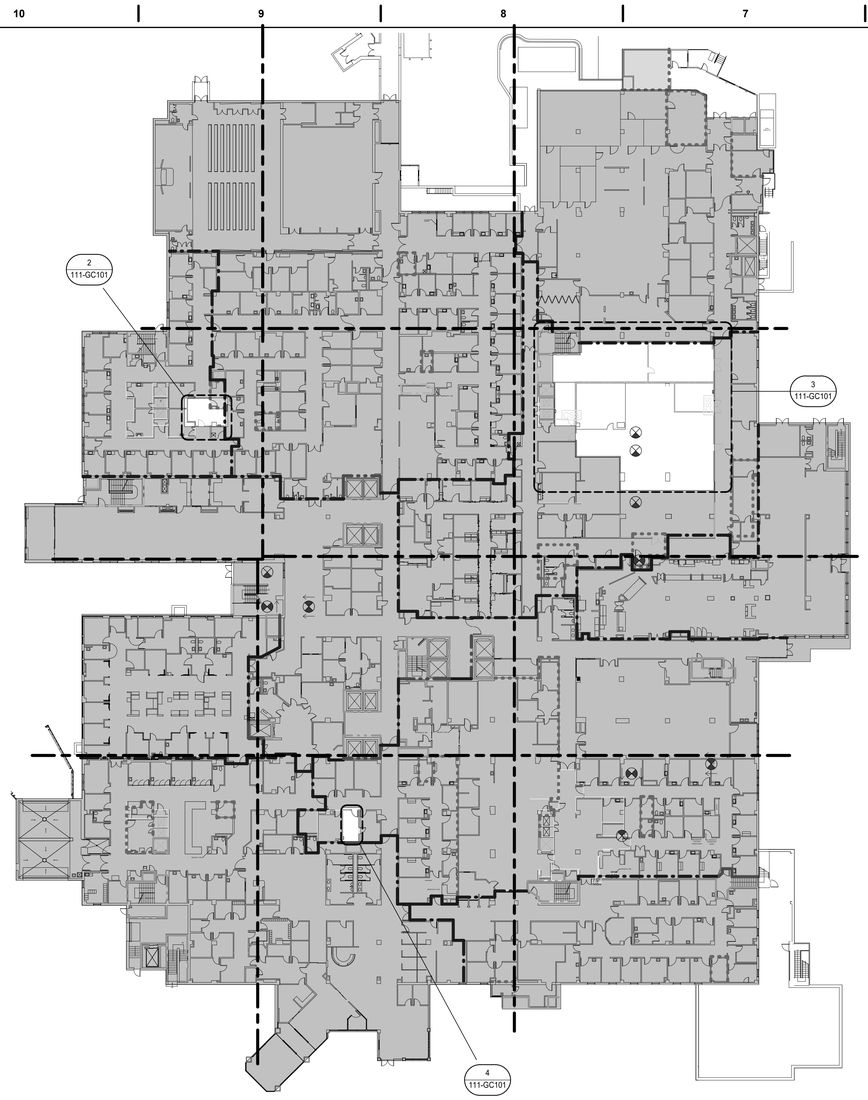
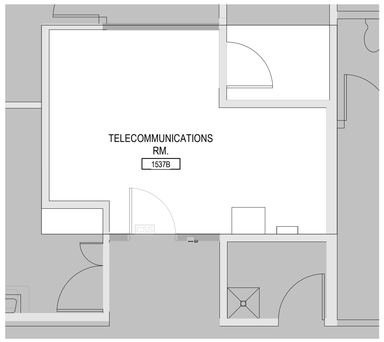
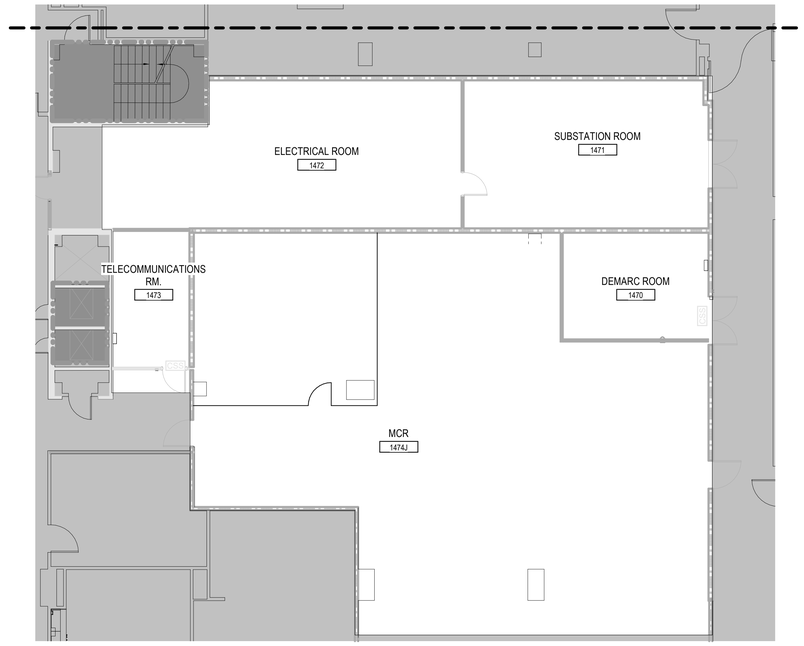


1 BUILDING 111 LEVEL 01 FLOOR LIFE SAFETY PLAN
1" = 30'-0"



2 BUILDING 111 LEVEL 01 FLOOR LIFE SAFETY PLAN - RM. 1537B
1/4" = 1'-0"



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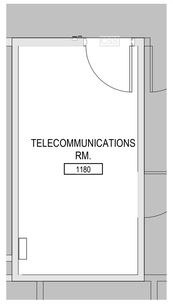
1/8" = 1'-0"



4 BUILDING 111 LEVEL 01 FLOOR LIFE SAFETY PLAN - RM. 1180
1/4" = 1'-0"

CODE SUMMARY

1. FULLY SPRINKLERED
2. AMBULATORY OCCUPANCY
3. SQUARE FOOTAGE: 140, 342

BARRIER LEGEND

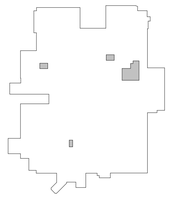
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.
7. COORDINATE ALL ICRA-RELATED ACTIVITIES WITH COR PRIOR TO PERFORMANCE OF ANY WORK.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



111 LEVEL 01 - KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 15' 30' 60'
Graphic Scale : 1" = 30'-0"

Graphic Scale : 32' = 1'-0" | Graphic Scale : 16' = 1'-0" | Graphic Scale : 8' = 1'-0" | Graphic Scale : 4' = 1'-0" | Graphic Scale : 3/16" = 1'-0" | Graphic Scale : 1/8" = 1'-0" | Graphic Scale : 3/32" = 1'-0" | Graphic Scale : 1/4" = 1'-0" | Graphic Scale : 1/2" = 1'-0" | Graphic Scale : 3/4" = 1'-0" | Graphic Scale : 1" = 1'-0" | Graphic Scale : 1 1/2" = 1'-0"

Revisions:	Date:

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LICENSED ARCHITECT
REBECCA C. OLSON
001.011034
STATE OF ILLINOIS
9.5.2025

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

Drawing Title: BUILDING 111 FIRST FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 111
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 111-GC101
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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CODE SUMMARY

1. FULLY SPRINKLERED
2. HEALTHCARE OCCUPANCY
3. SQUARE FOOTAGE: 106, 761

BARRIER LEGEND

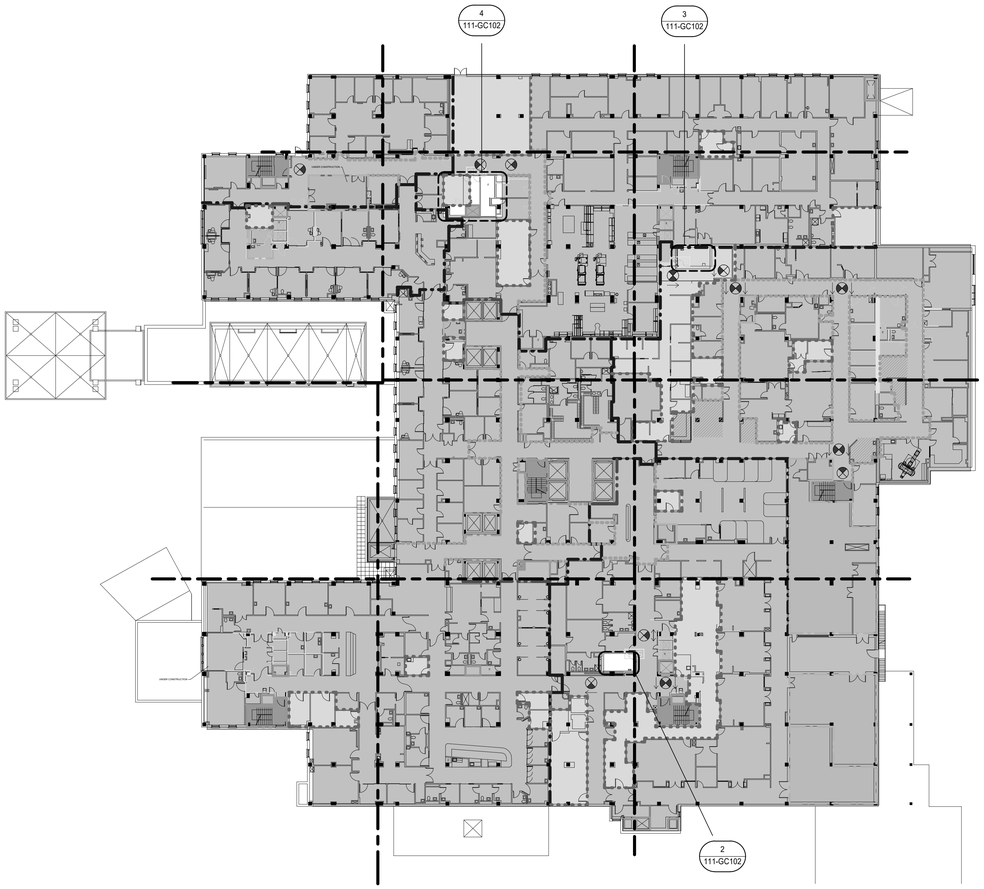
- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

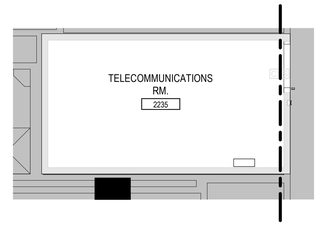
1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
3. WALL TYPES ARE DETAILED ON GC102.
4. REFER TO THIS DRAWING FOR MEANS OF EGRESS.
5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
6. FINAL LOCATION OF FAAP PANEL TO BE COORDINATED WITH FIRE MARSHALL.
7. COORDINATE ALL ICRA-RELATED ACTIVITIES WITH COR PRIOR TO PERFORMANCE OF ANY WORK.

LIFE SAFETY LEGEND

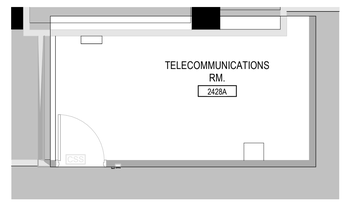
- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



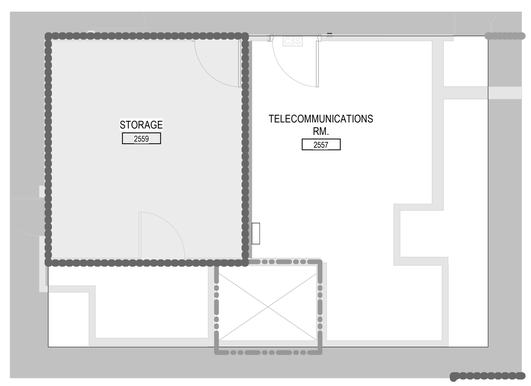
1 BUILDING 111 LEVEL 02 FLOOR LIFE SAFETY PLAN
1" = 30'-0"



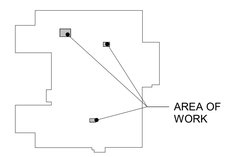
2 BUILDING 111 LEVEL 02 FLOOR LIFE SAFETY PLAN - RM. 2235
1/4" = 1'-0"



3 BUILDING 111 LEVEL 02 FLOOR LIFE SAFETY PLAN - RM. 2428B
1/4" = 1'-0"



4 BUILDING 111 LEVEL 02 FLOOR LIFE SAFETY PLAN - RM. 2257
1/4" = 1'-0"



111 LEVEL 02 - KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 15' 30' 60'
Graphic Scale : 1" = 30'-0"

Revisions:	Date:

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9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 111 SECOND FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 111
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 111-GC102
		Issue Date: SEPTEMBER 5, 2025 / Checked: RCO / Drawn: EM	

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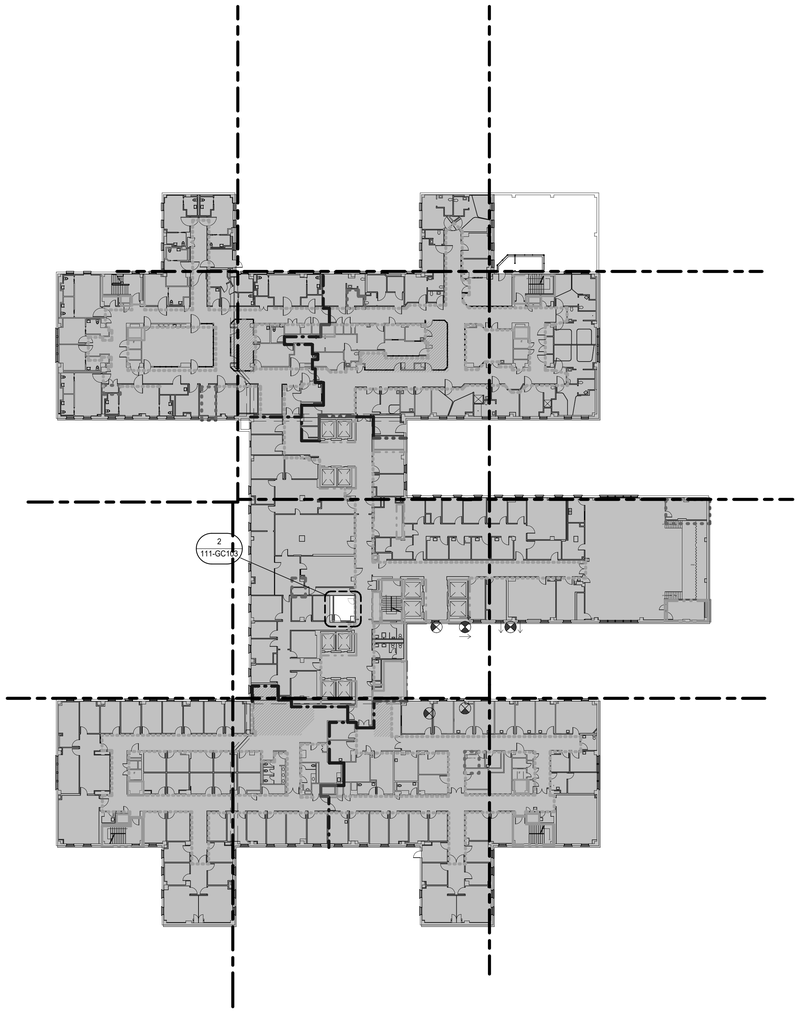

1 BUILDING 111 LEVEL 03 FLOOR LIFE SAFETY PLAN
1" = 30'-0"

CODE SUMMARY

1. FULLY SPRINKLERED
2. HEALTHCARE OCCUPANCY
3. SQUARE FOOTAGE: 61, 851

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

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5. REFER TO THIS DRAWING FOR DOOR CAPACITIES.
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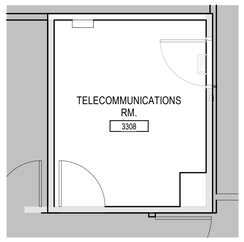
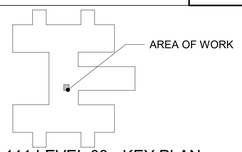
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- NON-RATED SMOKE ZONE PARTITION
- HEALTH CARE OCCUPANCY CORRIDORS
- NON-RATED SMOKE (COMMUNICATING SPACE)
- SPRINKLER AND FIRE ALARM ZONE BOUNDARY
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT STAIRWELL/PASSAGEWAY
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



2 BUILDING 111 LEVEL 03 FLOOR LIFE SAFETY PLAN - RM. 3308
1/4" = 1'-0"



111 LEVEL 03 - KEY PLAN
NTS

TRUE NORTH
PLAN NORTH

0' 15' 30' 60'
Graphic Scale : 1" = 30'-0"

Revisions:	Date:

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9.5.2025

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 111 THIRD FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 111
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 111-GC103
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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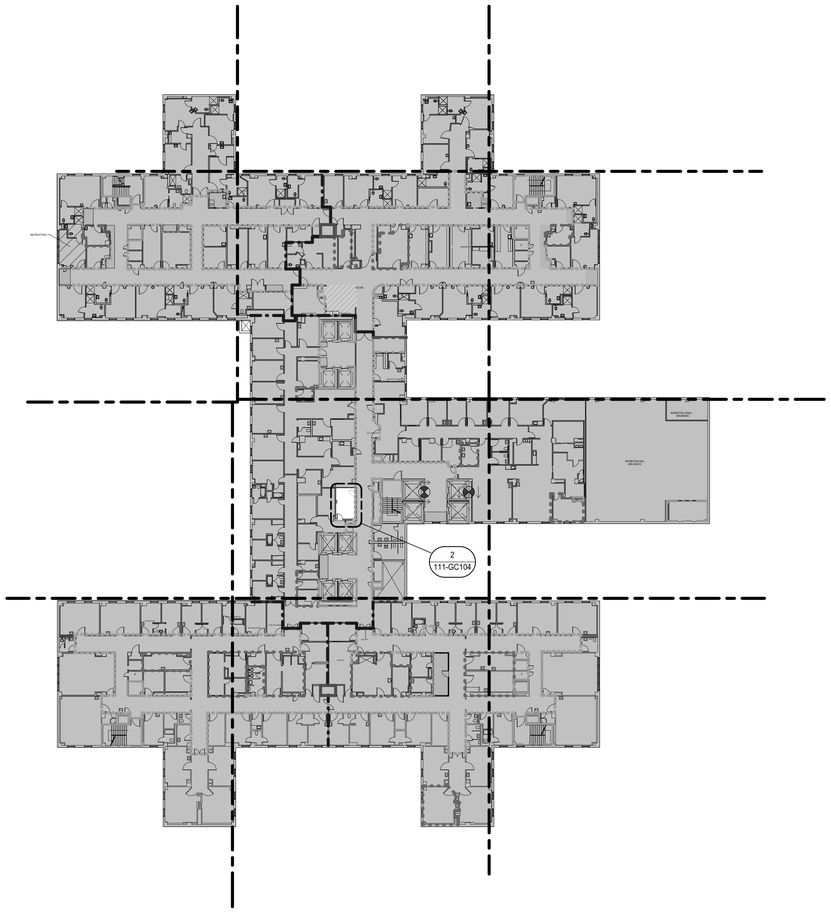

1 BUILDING 111 FOURTH FLOOR LIFE SAFETY PLAN
1" = 30'-0"

CODE SUMMARY

1. FULLY SPRINKLERED
2. HEALTHCARE OCCUPANCY
3. SQUARE FOOTAGE: 61, 851

BARRIER LEGEND

- FB1 = EXISTING FIRE BARRIER 1HR (WALL TYPE R2,R3,R4,R5)
- NON-RATED INTERIOR PARTITION WALL (WITH INSULATION)
- EXISTING WALL TO REMAIN

LIFE SAFETY NOTES

1. THIS PLAN IS FOR LIFE SAFETY INFORMATION ONLY.
2. BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13 AND IS PROTECTED WITH A SUPERVISED AUTOMATIC SMOKE DETECTION SYSTEM.
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7. COORDINATE ALL ICRA-RELATED ACTIVITIES WITH COR PRIOR TO PERFORMANCE OF ANY WORK.

LIFE SAFETY LEGEND

- EMERGENCY LIGHT
- FIRE EXTINGUISHER
- EXIT
- F — FIRE ALARM - MANUAL PULL STATION
- EP — EXIT PASSAGEWAY
- LC — LINEN CHUTE
- TC — TRASH CHUTE
- EX — EXIT
- HE — HORIZONTAL EXIT PASSAGEWAY
- ILLUMINATED EXIT SIGN / DIRECTION
- EGRESS DIRECTIONAL ARROW
- TRAVEL DISTANCE START CIRCLE
- X'-X" — MAXIMUM TRAVEL DISTANCE
- 2 HOUR FIRE/SMOKE ZONE BARRIER
- 2 HOUR FIRE BARRIER
- SMOKE ZONE BARRIER
- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
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- 1 HOUR FIRE BARRIER HAZARDOUS ROOM ENCLOSURE
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
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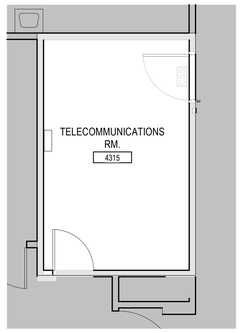
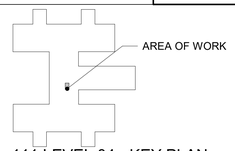
- SUITE DESIGNATION
- AREA OPEN TO CORRIDOR WITH SMOKE DETECTION
- AREA OPEN TO CORRIDOR NO SMOKE DETECTION REQUIRED



2 BUILDING 111 FOURTH FLOOR LIFE SAFETY PLAN - RM. 4315
1/4" = 1'-0"



111 LEVEL 04 - KEY PLAN
NTS

0' 15' 30' 60'
Graphic Scale : 1" = 30'-0"

TRUE NORTH
PLAN NORTH

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 111 FOURTH FLOOR LIFE SAFETY PLAN	Phase: FINAL BID DOCUMENTS	Project Title: EHRM INFRASTRUCTURE UPGRADES – MILWAUKEE, WI	Project Number: 695-21-700
			Building Number: 111
Approved:	Sprinklered: FULLY SPRINKLERED	Location: 5000 W. NATIONAL AVENUE MILWAUKEE, WI	Drawing Number: 111-GC104
		Issue Date: SEPTEMBER 5, 2025 · Checked: RCO · Drawn: EM	

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