U.S. DEPARTMENT OF VETERANS AFFAIRS

HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

INSTALL DEDICATED PHARMACY AIR HANDLER

VA PROJECT NUMBER: 589A4-25-102

100% CONSTRUCTION DOCUMENTS

DOCUMENT SIGNATURE BLOCK

MEDICAL CENTER DIRECTOR
PRINT NAME / SIGNATURE

ASSOCIATE DIRECTOR
PRINT NAME / SIGNATURE

CHIEF OF STAFF
PRINT NAME / SIGNATURE

ASSOCIATE DIRECTOR OF PATIENT SERVICES
PRINT NAME / SIGNATURE

ASSISTANT DIRECTOR
PRINT NAME / SIGNATURE

HRO DIRECTOR
PRINT NAME / SIGNATURE

CHIEF ENGINEER
PRINT NAME / SIGNATURE

INFECTION CONTROL PRACTITIONER
PRINT NAME / SIGNATURE

SAFETY OFFICER
PRINT NAME / SIGNATURE

LOCATION PLAN

AREA PLAN

SHEET INDEX

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[01] GENERAL		
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04	GI003	ICRA FLOOR PLAN - BASEMENT LEVEL
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[02] STRUCTURAL		
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06	SA011	SPECIAL INSPECTIONS
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08	SA102	OVERALL REFERENCE PLANS - LEVELS 2, INTERSTITAL, AND 3
09	SF201	FOUNDATION PLAN
10	SF202	ENLARGED FRAMING PLANS
11	SB301	FOUNDATION SECTIONS AND DETAILS
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TOTAL SHEETS: 74

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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H2B ENGINEERING
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HOUSTON, TX 77008
(713) 864-2900

MECH/ELEC/PLUMB/TECH ENGINEER
SPUR DESIGN
312 SW 25TH STREET
OKLAHOMA CITY, OK 73109
(405) 842-6100

PHYSICAL SECURITY
FORCE PROTECT
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ADDISON, TX 75001
PHONE NUMBER

FIRE PROTECTION ENGINEER
RATED ENGINEERING
609 S. KELLY AVE., SUITE H2
EDMOND, OK 73003
(405) 210-5814

ARCHITECT: SPUR #: 2517

SPUR DESIGN, LLC
312 SW 25TH STREET
Oklahoma City, OK 73109
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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
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STAMP:

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

DRAWING TITLE
COVER SHEET

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER
589A4-25-102

BUILDING NUMBER
1

DRAWING NUMBER
GI000
DRAWING # 01 OF 74

Veterans Health Administration
VA | U.S. Department of Veterans Affairs

5/27/2026 9:17:52 AM

VA FORM 08-6231

ABBREVIATIONS

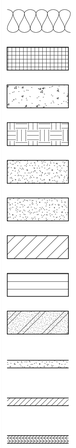
A	
ACB	ACOUSTIC CEILING BAFFLE
ACP	ACOUSTIC CEILING PANEL
ACST	ACOUSTIC
ADA	AMERICANS WITH DISABILITIES ACT
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
ADDN	ADDITION
ADJ	ADJACENT, ADJOINING, OR ADJUSTABLE
ADMIN	ADMINISTRATION
AE	ARCHITECT/ENGINEER
AF	ACCESS FLOORING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIA	AMERICAN INSTITUTE OF ARCHITECTS
ALT	ALTERNATE
ALT NO	ALTERNATE NUMBER
ALUM	ALUMINUM (TRIM)
AMT	AMOUNT
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASC	ABOVE SUSPENDED CEILING
AT	ACOUSTIC CEILING TILE
AVG	AVERAGE
B	
BD	BOARD
BG	BUMPER GUARD
BLDG	BUILDING
BLKG	BLOCKING
BLT IN	BUILT-IN
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRKT	BRACKET
BTWN	BETWEEN
C	
CAB	CABINET
CAV	CAVITY
CBB	CONCRETE BACKER BOARD
C/C	CONTRACTOR PROVIDED / CONTRACTOR INSTALLED
CD	CONSTRUCTION DOCUMENTS
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CG	CORNER GUARD
CH BD	CHALKBOARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CONTRACTING OFFICER
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTRACTOR PROVIDED
CPT	CARPET/CARPET TILE
CS	CONCRETE SEALED
CSWK	CASEWORK
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
CU FT	CUBIC FEET

D	
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIR	DIRECTION
DIST	DISTANCE
DOC	DOCUMENT
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
DWP	DIMENSIONAL WALL PANEL
E	
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
ENTR	ENTRANCE
EPY	EPOXY FLOORING
EQ	EQUAL
ETR	EXISTING TO REMAIN
EX	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
F	
FAB	FABRIC
FED	FEDERAL
FF	FINISH FACE
FF EL	FINISH FLOOR ELEVATION
FIN	FINISH
FIN BS	FINISH BOTH SIDES
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FIXT	FIXTURE
FLDG	FOLDING
FLEX	FLEXIBLE
FLG	FLOORING
FLUSH	FLUSH MOUNT
FLR	FLOOR
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FP	FIRE PROTECTION
FR	FIRE RESISTANT
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
FWC	FABRIC WALL COVERING
G	
GDR	GUARDRAIL
GL	GLASS/GLAZING
GRAN	GRANITE
GR FL	GROUND FLOOR
GT	GROUT
GSM	GALVANIZED SHEET METAL
GYP BD	GYPSUM BOARD
H	
HDW	HARDWARE
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HANDRAIL
HT	HEIGHT
I	
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
INT	INTERIOR
ILO	IN LIEU OF
J	
J-BOX	JUNCTION BOX

L	
LAV	LAVATORY
LBS	POUND
LDG	LANDING
LF	LINEAR FEET (FOOT)
LIN	LINEAR
LN	LINOLEUM
LOC	LOCATION
LT	LIGHT
LVR	LOUVER
LVT	LUXURY VINYL TILE
M	
MAT	CARPET MAT / WALK-OFF MAT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MID	MIDDLE
MIL STD	MILITARY STANDARD
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODIFY
MTG	MOUNTING
MTL	METAL
MVBL	MOVABLE
N	
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
P	
P	PAINT
PA	PUBLIC ADDRESS
PBD	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PCT	PERCENT
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PNL	PANEL
PR	PAIR
PRB	PROFILE BASE
PRKG	PARKING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PORCELAIN TILE
PWR	POWER
Q	
QA	QUALITY ASSURANCE
QC	QUALITY CONTROL
QTY	QUANTITY
QT	QUARRY TILE

R	
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE/RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REM	REMOVABLE
REP	REPAIR
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
RES	RESINOUS FLOORING
RES-W	RESINOUS / EPOXY WALL / CEILING
RF	RUBBER FLOORING
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RP	RESIN PANEL
RSF	RESILIENT SHEET FLOORING
RV	ROOF VENT
RWC	RIGID VINYL WALLCOVERING
S	
SC	SPECIALTY COATING
SD	STATIC DISSIPATIVE FLOORING/TILE
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT (FEET)
SGL	SINGLE
SIM	SIMILAR
SJ	SCORED JOINT
SLNT	SEALANT
SM	SHEET METAL
SPEC	SPECIFICATION
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SOLID SURFACE
ST	STONE
STD	STANDARD
STOR	STORAGE
SV	SHEET VINYL (ROLLED OR TILE)
SWC	STAINLESS STEEL WALLCOVERING
T	
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
TOF	TOP OF FOOTING/ FOUNDATION
TOM	TOP OF MASONRY
TOS	TOP OF SLAB/ STEEL
U	
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
V	
VAR	VARIES
V/C	VA PROVIDED / CONTRACTOR INSTALLED
VCT	VINYL COMPOSITION TILE
VFAT	VINYL-FACED ACOUSTICAL TILE
VP	VENEERED PLASTER
VT	VINYL TILE
V/V	VA PROVIDED / VA INSTALLED
VWC	VINYL WALLCOVERING
VWF	VINYL WALL FABRIC
W	
W/	WITH
W/O	WITHOUT
W/C	WATER CLOSET
WC	WHEELCHAIR
WD	WOOD
WFAB	WALL FABRIC
WPM	WATERPROOF MEMBRANE
WSF	WELDED SHEET FLOOR
X	
X BRACE	CROSS BRACE

MATERIALS LEGEND



CODES STANDARDS AND EXECUTIVE ORDERS

PURPOSE: THE PUBLIC BUILDINGS AMENDMENT ACT OF 1988, PUBLIC LAW (PUB. L.) 100-678 REQUIRES FEDERAL AGENCIES TO FOLLOW NATIONAL RECOGNIZED "MODEL" BUILDING CODES. THE FEDERAL PARTICIPATION IN THE DEVELOPMENT AND USE OF VOLUNTARY STANDARDS, OFFICE OF MANAGEMENT AND BUDGET (OMB) CIRCULAR A-119, REQUIRES ALL EXECUTIVE AGENCIES TO RELY ON VOLUNTARY STANDARDS, BOTH DOMESTIC AND INTERNATIONAL, WHENEVER FEASIBLE, AND TO PARTICIPATE IN VOLUNTARY STANDARD BODIES.

GENERAL: VA HAS ADOPTED THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS AS A MINIMUM FOR ALL PROJECTS PERFORMED IN THE MODERNIZATION, ALTERATION, ADDITION, OR IMPROVEMENT OF ITS REAL PROPERTY AND THE CONSTRUCTION OF NEW STRUCTURES. VA DESIGN MANUALS AND MASTER SPECIFICATIONS SPECIFY OTHER CODES AND STANDARDS THAT VA FOLLOWS ON ITS PROJECTS. REFERENCE RELEVANT ADDENDA FOR EACH OF THE ADOPTED CODES AND STANDARDS:

- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (HTTP://WWW.CFM.VA.GOV/TIL/).
- 2024 INTERNATIONAL BUILDING CODE (IBC) (ONLY WHEN SPECIFICALLY REFERENCED IN VA DESIGN DOCUMENTS, SEE NOTES BELOW)
- 2024 INTERNATIONAL EXISTING BUILDING CODE (IEBC) (IF APPLICABLE)
- 2024 NFPA 101 LIFE SAFETY CODE (SEE NOTES BELOW)
- 2024 NATIONAL FIRE CODES (NFPA)
- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
- 2023 VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- 2024 INTERNATIONAL MECHANICAL CODE
- 2023 NATIONAL ELECTRICAL CODE (NEC), NFPA 70
- 2024 INTERNATIONAL PLUMBING CODE (IPC)
- 2022 SAFETY CODE FOR ELEVATORS AND ESCALATORS, AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1.
- ARCHITECTURAL BARRIERS ACT (ABA) STANDARDS INCLUDING VA SUPPLEMENT, VA BARRIER FREE DESIGN STANDARD (PG-18-13)
- 2022 ANSI ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2022 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318-19)
- 2023 STEEL CONSTRUCTION MANUAL (16TH EDITION), AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPACT)
- 2007 DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.
- 2006 FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- 2018 EXECUTIVE ORDER 13834: EFFICIENT FEDERAL OPERATIONS
- 2021 THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS. STATED IN THE GENERAL REQUIREMENTS SECTION 010000 OF THE VA MASTER CONSTRUCTION SPECIFICATION.
- 2022 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY – ASHRAE STANDARD 62.1
- 2022 SAFETY STANDARD FOR REFRIGERATION SYSTEMS – ASHRAE STANDARD 15
- 2024 PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL

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

NOTES:

1. NFPA 101 PRIMARILY ADDRESSES LIFE SAFETY AND FIRE PROTECTION FEATURES WHILE THE IBC ADDRESSES A WIDE RANGE OF CONSIDERATIONS, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STRENGTH, SEISMIC STABILITY, SANITATION, ADEQUATE LIGHT AND VENTILATION, AND ENERGY CONSERVATION. VA BUILDINGS MUST MEET THE REQUIREMENTS OF NFPA 101 AND DOCUMENTS REFERENCED BY NFPA 101 IN ORDER TO COMPLY WITH THE ACCREDITATION REQUIREMENTS OF THE JOINT COMMISSION. THEREFORE, DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).
2. CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS – SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENCY SYSTEM WIDE.

ENERGY REQUIREMENTS

ASHRAE 90.1 - 2019 EDITION

BUILDING LOCATION: COLUMBIA, MO, BOONE COUNTY
CLIMATE ZONE (TABLE ANNEX 1-1): ZONE 6B

INTERIOR DESIGN CONDITIONS:
THE INTERIOR DESIGN TEMPERATURES FOR HEATING AND COOLING AS DEPICTED IN THE PROJECT DESIGN CONDITIONS SCHEDULE IN THE MECHANICAL CONTROL DRAWINGS SHALL BE THE MAXIMUM AND MINIMUM VALUES FOR THE ASSOCIATED TEMPERATURE CONTROL ZONES.

BUILDING ENVELOPE REQUIREMENTS (5.5)

BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 4 (A,B,C)

	REQUIRED	DESIGNED
ROOFS		
INSULATION:	R-30 c.i.	R-30 c.i.
METAL BUILDINGS:	R-19 + R-11 Ls or R-25 + R-8 Ls	N/A
ATTIC AND OTHER:	R-49	N/A
WALLS, ABOVE GRADE		
MASS:	R-9.5 c.i.	N/A
METAL BUILDING:	R-0 + R-15.8 c.i.	N/A
STEEL-FRAMED:	R-13 + R-7.5 c.i.	R-13 + R-7.5 c.i
WOOD-FRAMED AND OTHER:	R-13 + R-3.8 c.i. or R-20	N/A
WALL, BELOW GRADE		
BELOW-GRADE WALL:	R-7.5 c.i.	N/A
FLOORS		
MASS:	R-14.6 c.i.	N/A
STEEL-FRAMED:	R-30	N/A
WOOD-FRAMED AND OTHER:	R-30	N/A
SLAB-ON-GRADE FLOORS		
UNHEATED SLABS:	R-15 for 24 in.	N/A
HEATED SLABS:	R-20 for 24 in.	N/A
OPAQUE DOORS		
SWINGING:	U-0.370	U-0.370
NONSWINGING:	U-0.310	N/A
FENESTRATION (TABLE 5.5-4):		
VERTICAL FENESTRATION, U-FACTOR		
FIXED:	U-0.36	N/A
OPERABLE:	U-0.45	N/A
ENTRANCE DOOR:	U-0.63	N/A

DEFINITIONS
c.i = CONTINUOUS INSULATION
Ls = LINEAR SYSTEM
NR = NO (INSULATION) REQUIREMENT

SEISMIC REQUIREMENTS

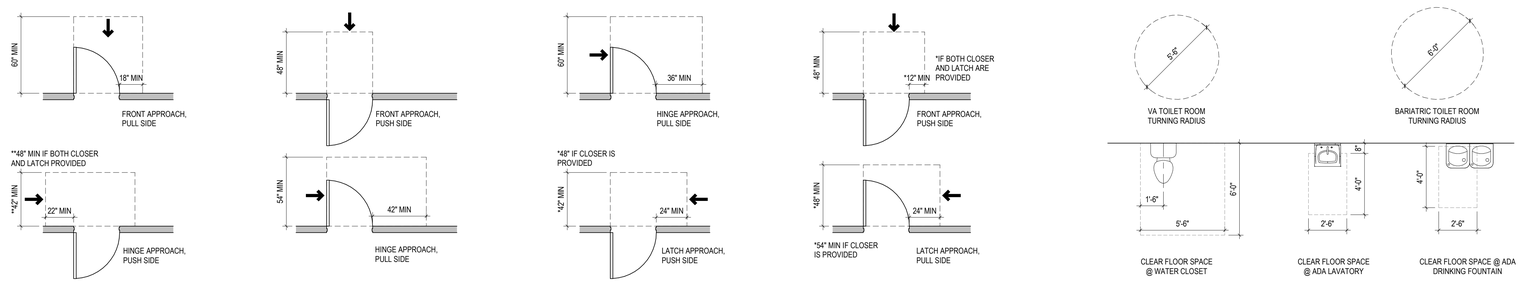
VA HA 18-8 SEISMIC DESIGN REQUIREMENTS

BUILDING LOCATION:	COLUMBIA, MO
FACILITY CRITICALITY DESIGNATION (FCD): (VA 18-8, 1.4)	CRITICAL
RISK CATEGORY: (VA 18-8, 7.0)	IV
SEISMIC DESIGN CATEGORY: (ASCE 7)	D

GENERAL NOTES

1. DRAWINGS ARE PART OF A COMPLETE DOCUMENTS SET. CONTRACTOR SHALL CONFIRM ALL ITEMS REQUIRED BASED UPON THE OVERALL DESIGN INTENT OF THE ENTIRE DOCUMENT SET.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, PRIOR TO BEGINNING ANY WORK, TO CONFIRM THE ACCURACY OF THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. DO NOT SCALE THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND EXISTING STRUCTURAL CONDITIONS.
3. ALL AREAS NOT INVOLVED IN THE SCOPE OF WORK FOR THIS PROJECT SHALL BE KEPT CLEAN AND FREE OF OBSTRUCTIONS AT ALL TIMES.
4. ERECT BARRICADES AND WARNING SIGNS TO DIVERT AND WARN PASSERS-BY OF THE CONSTRUCTION WORK. PROVIDE DUST PROOFING ENCLOSURES TO SEPARATE WORK AREAS FROM THE EXISTING FACILITIES.
5. ALL TRASH AND DEBRIS TO BE REMOVED ON A DAILY BASIS.
6. PROVIDE PROTECTION FOR ALL EXISTING SURFACES AND CONDITIONS TO REMAIN IN PLACE DURING THE SCOPE OF WORK. SHOULD ANY DAMAGE OCCUR, PATCH AND REPAIR ANY DAMAGE TO ADJACENT FINISHES TO MATCH EXISTING.
7. ANY DAMAGE CAUSED TO THE BUILDING OR OWNER EQUIPMENT SHALL BE REPAIRED OR REPLACED BACK TO ITS ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
8. COVER ALL RETURN AIR GRILLES WITHIN THE AREA OF CONSTRUCTION TO PREVENT PARTICULATE MATERIAL FROM EXHAUSTING INTO SURROUNDING SPACES.
9. APPROPRIATE LIGHT FIXTURES SHALL BE TEMPORARILY SUSPENDED TO PROVIDE ADEQUATE LIGHTING LEVELS FOR CONSTRUCTION.
10. CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO COORDINATE WITH OTHER DISCIPLINES TO INSTALL COMPLETE AND OPERATIONAL SYSTEMS. DRAWINGS, AS A WHOLE, REPRESENT A COMPLETE SET AND DEPICT REQUIREMENTS FOR COMPLETE AND OPERATIONAL SYSTEMS. INDIVIDUAL DRAWINGS MAY NOT DEPICT COMPLETE AND ACCURATE INFORMATION TO COORDINATE COMPLETE AND OPERATIONAL SYSTEMS, BUT DO SO AS AN ENTIRE DOCUMENT TO BE REFERENCED WITH OTHER INDIVIDUAL DRAWINGS. CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO REFERENCE OTHER SHEETS AND SPECIFICATIONS AS AN ENTIRE SET OF CONSTRUCTION DOCUMENTS THAT REFLECT WORK REQUIRED TO ACHIEVE A COMPLETE AND OPERATIONAL GOAL. LACK OF COORDINATION AND REVIEW OF DRAWINGS AND SPECIFICATIONS AS AN ENTIRE DOCUMENT TO INSTALL COMPLETE AND OPERATIONAL SYSTEMS, BEING OBVIOUS AND TYPICAL INDUSTRY STANDARD, IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS, SHALL NOT BE IN ANY WAY AN ADDITIONAL COST TO THE GOVERNMENT.
11. CONTRACTOR SHALL SUBMIT A REQUEST, IN WRITING, TO INTERRUPT ANY SUCH SERVICES TO COR (CONTRACTING OFFICER'S REPRESENTATIVE) 48 HOURS IN ADVANCE OF PROPOSED INTERRUPTION. REQUEST SHALL STATE REASON, DATE, EXACT TIME OF, AND APPROXIMATE DURATION OF SUCH INTERRUPTION. MAJOR INTERRUPTIONS OF ANY SYSTEM MUST BE REQUESTED, IN WRITING, AT LEAST 60 CALENDAR DAYS PRIOR TO THE DESIRED TIME AND SHALL BE PERFORMED AS DIRECTED BY THE COR. MAJOR INTERRUPTIONS SHALL BE COORDINATED WITH OTHER MAJOR INTERRUPTIONS AND MAY NOT BE SCHEDULED FOR ONE DISCIPLINE MORE THAN TWICE THROUGHOUT THE OVERALL CONSTRUCTION SCHEDULE UNLESS REQUESTED IN WRITING AND APPROVED BY THE COR. CONTRACTOR WILL BE ADVISED, IN WRITING, OF APPROVAL OF REQUEST, OR OF WHICH OTHER DATE AND/OR TIME SUCH INTERRUPTION WILL CAUSE THE LEAST INCONVENIENCE TO OPERATIONS OF THE MEDICAL CENTER. INTERRUPTION TIME APPROVED BY THE MEDICAL CENTER MAY OCCUR AT TIMES OTHER THAN CONTRACTOR'S NORMAL WORKING HOURS. SCHEDULE INTERRUPTION MAY BE ON WEEKENDS OR LATE HOURS AND MAY NOT BE AN ADDITIONAL COST TO THE GOVERNMENT. COORDINATE ALL INTERRUPTIONS THAT MAY AFFECT THE NORMAL OPERATION OF THE FACILITY WITH THE COR WHEN SUBMITTING THE CONSTRUCTION SCHEDULE OR UPDATES TO THE CONSTRUCTION SCHEDULE.
12. NO ASBESTOS CONTAINING MATERIALS ARE TO BE USED ON THIS PROJECT. SPUR DESIGN, THE A/E OF RECORD, CAN CERTIFY THAT NO ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) OR LEAD BASED PAINT (LBP) PRODUCTS WERE DESIGNED/SPECIFIED AS BUILDING MATERIAL IN ANY OF THE CONSTRUCTION DOCUMENTS.
13. REFER TO THE DESIGN BINDER FOR THE ICRA INFORMATION DOCUMENTATION.

DOOR AND FIXTURE CLEARANCES



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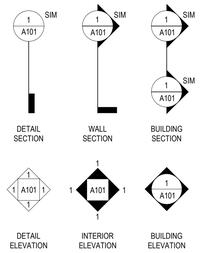
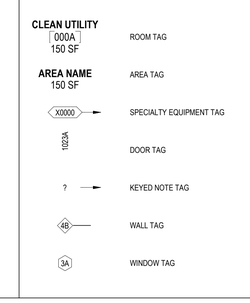
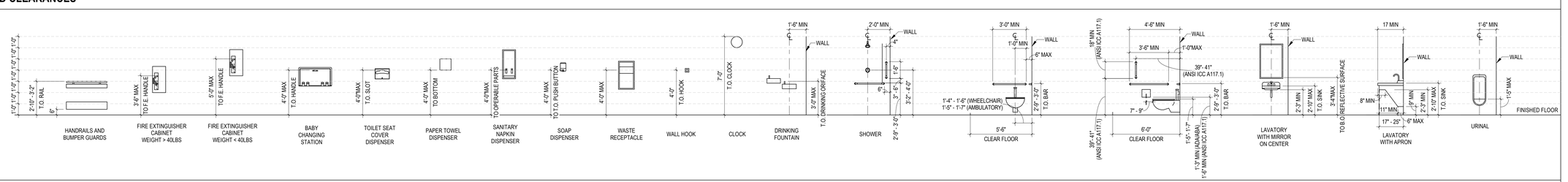


IDENTIFICATION TAGS



FIXTURE MOUNTING HEIGHTS AND CLEARANCES

1. GENERAL CONTRACTOR TO PROVIDE METAL SUPPORT BLOCKING FOR ALL WALL MOUNTED ACCESSORIES, FIXTURES, AND EQUIPMENT.
2. PROVIDE ADA SUPPORT BRACKETS PLACED AT ALL OPEN COUNTERTOPS @ 36"-48" MAX ON CENTER.
3. SPECIFIED MAXIMUMS ARE MEASURED FROM AFTER FINISHED FLOOR TO THE OPERABLE PART OF THE FIXTURE.
4. FIXTURES SHOWN ARE REPRESENTATIONAL ONLY. NOT ALL FIXTURES MAY BE USED. REFER TO SPECIFICATIONS FOR FIXTURE TYPES USED IN THIS PROJECT.
5. FIXTURES MAY OVERLAP WAINSCOT. WHERE APPLICABLE, BACKING TO BE PROVIDED AS SHIM FOR FLUSH APPLICATION. SHIM TO MATCH SCHEDULED WALL FINISH.



NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS WILL BE UTILIZED FOR THIS PROJECT.

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
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MECH/ELEC/PLUMB/TECH ENGINEER
SPUR DESIGN
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OKLAHOMA CITY, OK 73109
(405) 842-6100

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FORCE PROTECT
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PHONE NUMBER

FIRE PROTECTION ENGINEER
RATED ENGINEERING
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ARCHITECT: SPUR #: 2517

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Oklahoma City, OK 73109
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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

DRAWING TITLE
GENERAL INFORMATION

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **GI001**

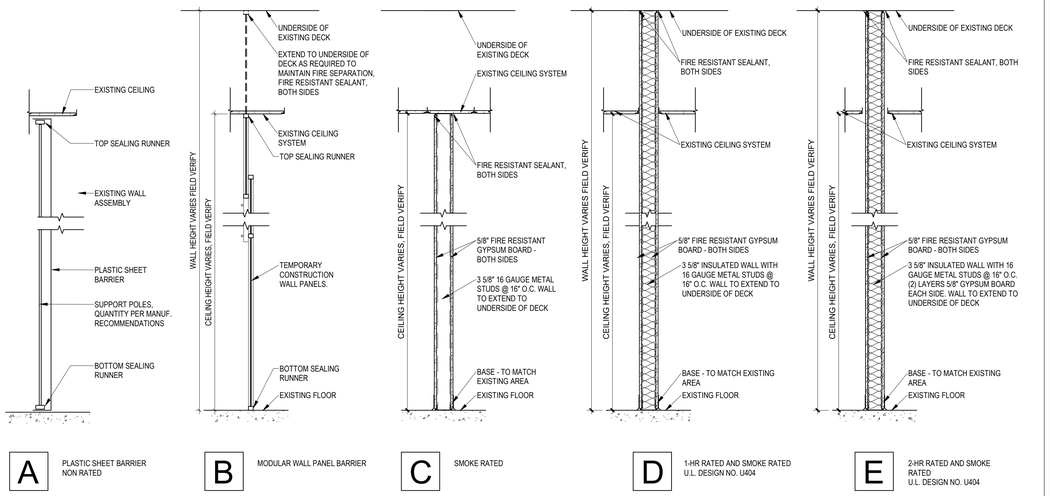
DRAWING # 02 OF 74

Veterans Health Administration

VA U.S. Department of Veterans Affairs

5/27/2026 7:51:24 AM

VA FORM 08-6231



A PLASTIC SHEET BARRIER NON RATED

B MODULAR WALL PANEL BARRIER

C SMOKE RATED

D 1-HR RATED AND SMOKE RATED U.L. DESIGN NO. U404

E 2-HR RATED AND SMOKE RATED U.L. DESIGN NO. U404

5 ICRA BARRIER WALL TYPES
3/4" = 1'-0"

MATRIX OF PRECAUTIONS FOR CONSTRUCTION & RENOVATION

CATEGORY A INSPECTIONS AND NON-INVASTIVE ACTIVITES

INCLUDES BUT NOT LIMITED TO:
- WORK CAN BE COMPLETED IN A SINGLE SHIFT, DOES NOT EXCEED 10 HOURS, AND DOES NOT CREATE DUST OR DEBRIS.
- PATIENTS AND/OR EMPLOYEES MAY BE IN THE AREA DEPENDING ON THE ACTIVITY.
- REMOVAL OF CEILING TILE OR ACCESS TO MECHANICAL OR ELECTRICAL CHASE FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET WITH LIMITED EXPOSURE TIME (NOT TO EXCEED AN HOUR FOR EACH TILE) WITHIN THE SHIFT.
- MINOR INTERIOR UPDATES (E.G., REPLACING FLOOR OR CEILING TILES, CARPENTRY WORK TO INCLUDE HANGING SIGNAGE, AND PAINTING WITHOUT SANDING) THAT DO NOT CREATE DUST OR DEBRIS.
- LIMITED BUILDING SYSTEM MAINTENANCE SUCH AS PLUMBING ON POTABLE SYSTEMS LIMITED TO FAUCET REPLACEMENT ETC. AND ELECTRICAL WORK SUCH AS REPLACEMENT OF BULBS, RECEPTACLES, OR SWITCHES.

CATEGORY B SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATES MINIMAL DUST

INCLUDES BUT NOT LIMITED TO:
- PROLONGED INSPECTION AND WORK THAT MAY TAKE LONGER THAN A SINGLE SHIFT BUT NOT EXCEEDING A WEEK.
- PATIENTS AND EMPLOYEES ARE NOT TO BE IN THE AREA UNTIL ACTIVITY IS COMPLETED.
- WORK THAT CREATES MINIMAL DUST AND DEBRIS.
- INTERIOR FINISH OR SURFACE REPAIRS, UPDATES, OR MODIFICATIONS SUCH AS REPAIR OF FIREWALLS AND BARRIERS, AND NEW FLOORING THAT PRODUCES MINIMAL DUST AND DEBRIS. CONTROLLED SANDING ACTIVITIES (E.G., WET OR DRY SANDING) THAT PRODUCE MINIMAL DUST AND DEBRIS.
- PLUMBING WORK SUCH AS INSTALLATION OR REPLACEMENT OF A SINGLE FIXTURE OR PIPING FOR A SINGLE FIXTURE. ANY WORK ON SANITARY PLUMBING INCLUDING SNAKING OF DRAINS.
- ELECTRICAL WORK SUCH AS INSTALLATION OF CABLING/WIRING/CONDUIT FOR A SINGLE DEVICE, INSTALLATION OF NEW DEVICE SUCH AS A LIGHT FIXTURE THAT PRODUCES MINIMAL DUST AND DEBRIS.
- AIR HANDLER AND/OR FAN SHUTDOWN/STARTUP AND HVAC WORK SUCH AS REPLACEMENT OF A SINGLE DIFFUSER, SINGLE TERMINAL UNIT OR A SINGLE DEVICE THAT PRODUCES MINIMAL DUST AND DEBRIS.

CATEGORY C WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES

INCLUDES BUT NOT LIMITED TO:
- WORK REQUIRING LONGER THAN A SINGLE WEEK TO COMPLETE BUT NOT EXCEEDING 6 MONTHS.
- PATIENTS AND EMPLOYEES ARE NOT TO BE IN THE AREA UNTIL ACTIVITY IS COMPLETED.
- DEMOLITION/REMOVAL OF EXISTING FLOOR COVERING, CASEWORK, LAY-IN CEILING, OR OTHER ARCHITECTURAL ELEMENTS.
- DEMOLITION/REMOVAL OF MORE THAN 32 FT² OF DRYWALL/FRAMING, HARD CEILINGS, AND DOORS/FRAMING AND MINIMAL INFRASTRUCTURE SUCH AS ELECTRICAL CIRCUITS AND BRANCH PIPING.
- INSTALLATION OF NEW WALLS, CEILINGS AND DOORS INCLUDING FRAMING, DRYWALL/PLASTER AND ASSOCIATED WORK.
- PLUMBING WORK SUCH AS THE INSTALLATION OF NEW SINKS, SHOWERS AND TOILETS AND ASSOCIATED PLUMBING.
- SHUT DOWN OF SECTIONS OF POTABLE WATER SYSTEMS.
- ELECTRICAL WORK SUCH AS INSTALLATION OF CONDUIT AND WIRE FOR LIGHTING, RECEPTACLES AND SWITCHES, THE INSTALLATION OF CONDUIT AND WIRE FOR NEW DEVICES SUCH AS TERMINAL UNITS, FANS ETC.
- MODIFICATION OF EXISTING FIRE ALARM AND SUPPRESSION SYSTEMS.
- MECHANICAL WORK SUCH AS THE INSTALLATION OF DUCTWORK, DIFFUSERS, AND TERMINAL UNITS FOR AN AREA.

CATEGORY D MAJOR DEMOLITION AND CONSTRUCTION PROJECTS

INCLUDES BUT NOT LIMITED TO:
- WORK DURATION EXCEEDING 6 MONTHS; PATIENTS AND EMPLOYEES NOT TO BE IN THE AREA UNTIL ACTIVITY IS COMPLETED.
- LARGE-SCALE DEMOLITION OF BUILDING COMPONENTS AND INFRASTRUCTURE INCLUDING REMOVAL OF MULTIPLE DOORS, WALLS, FRAMING, CEILINGS, FLOORING, PIPING, ELECTRICAL AND HVAC.
- THE INSTALLATION BUILDING COMPONENTS SUCH AS NEW WALLS, CEILINGS AND DOORS INCLUDING FRAMING, DRYWALL AND ASSOCIATED PLASTER WORK.
- PLUMBING WORK SUCH AS THE INSTALLATION OF: NEW MEDICAL GAS SYSTEMS, STEAM/HEATING HOT WATER, CONDENSATE SYSTEMS, MULTIPLE SINKS, SHOWERS AND TOILETS INCLUDING ASSOCIATED PLUMBING.
- SHUTDOWN OF POTABLE WATER, STEAM/HEATING HOT WATER, CONDENSATE, AND MEDICAL GAS SYSTEMS.
- ELECTRICAL WORK SUCH AS INSTALLATION OF ELECTRICAL FEEDERS, DISTRIBUTION PANELS, CONDUIT AND WIRE FOR LIGHTING, RECEPTACLES AND SWITCHES, THE INSTALLATION OF CONDUIT AND WIRE FOR NEW DEVICES SUCH AS TERMINAL UNITS, FANS, ELECTRICAL SHUTDOWN OF MULTIPLE PANELS, ETC.
- INSTALLATION OF FIRE ALARM AND SUPPRESSION SYSTEMS.
- MECHANICAL WORK SUCH AS THE INSTALLATION OF AIR HANDLING EQUIPMENT, ASSOCIATED DUCTWORK, DIFFUSERS, HEAT EXCHANGERS, TERMINAL UNITS AND CONTROLS.

PATIENT RISK GROUPS

LOW RISK	MEDIUM RISK	HIGH RISK	HIGHEST RISK
NON-PATIENT CARE AREAS SUCH AS:	PATIENT CARE SUPPORT AREAS SUCH AS:	PATIENT CARE AREAS SUCH AS:	PROCEDURAL, INVASIVE, STERILE SUPPORT AND HIGHLY COMPROMISED PATIENT CARE AREAS SUCH AS:
• PUBLIC HALLWAYS AND GATHERING AREAS NOT IN CLINICAL AREAS • OFFICE AREAS NOT IN CLINICAL AREAS • BREAKROOMS NOT IN CLINICAL AREAS • BATHROOMS OR LOCKER ROOMS NOT IN CLINICAL AREAS • MECHANICAL/ELECTRICAL ROOMS NOT IN CLINICAL AREAS • EMS CLOSETS NOT ON CLINICAL UNITS	• WAITING AREAS • CLINICAL ENGINEERING (BIOMEDICAL) STORAGE CLOSETS FOR ITEMS USED ON A CLINICAL UNIT.) • MATERIALS MANAGEMENT/LOGISTICS/ TSS • STERILE PROCESSING DEPARTMENT – DIRTY SIDE • KITCHEN, CAFETERIA, GIFT SHOP, COFFEE SHOP, AND FOOD KIOSKS	• PATIENT CARE ROOMS AND AREAS • ALL ACUTE CARE UNITS, INCLUDING MENTAL HEALTH • ALL OUTPATIENT UNITS AND CLINICS • EMERGENCY DEPARTMENT • DOMICILIARIES AND TRANSITIONAL RESIDENCES • EMPLOYEE HEALTH • PHARMACY – GENERAL WORK ZONE • MEDICATION ROOMS AND CLEAN UTILITY ROOMS • IMAGING SUITES – DIAGNOSTIC IMAGING • LABORATORY	• ALL TRANSPLANT UNITS • ALL INTENSIVE CARE UNITS • ALL ONCOLOGY UNITS AND CHEMOTHERAPY/INFUSION CENTERS • OR THEATERS AND RESTRICTED AREAS • HEMODIALYSIS UNITS • PROCEDURAL ROOMS* • PHARMACY COMPOUNDING AREA • STERILE PROCESSING DEPARTMENT – CLEAN SIDE • TRANSFUSION SERVICES • IMAGING SUITES – INTERVENTIONAL IMAGING • DEDICATED ISOLATION WARDS/UNITS FOR INFECTIOUS DISEASES

CONSTRUCTION PROJECT TYPE

RISK RELATED GROUP	TYPE A	TYPE B	TYPE C	TYPE D
LOW RISK GROUP	I	II	II	III
MEDIUM RISK GROUP	II	II	III	IV
HIGH RISK GROUP	II	III	IV	IV
HIGHEST RISK GROUP	III	III	IV	IV

NOTE: AN INFECTION PREVENTION AND CONTROL PERMIT IS REQUIRED FOR LEVEL III AND LEVEL IV. CONSULT WITH INFECTION PREVENTION AND CONTROL FOR LEVEL I AND LEVEL II.

GENERAL ICRA NOTES - LEVEL OF PRECAUTIONS & CONTROL MEASURES

CONTROLS DEFINED BELOW FOR THE LEVEL OF PRECAUTIONS IDENTIFIED FOR THE ACTIVITY MUST BE IN PLACE BEFORE THE ACTIVITY BEGINS AND MAINTAINED UNTIL WORK IS COMPLETED AND THE AREA IS ACTIVATED. CONTROL MEASURES FOR EACH PRECAUTION LEVEL MUST ALSO INCLUDE THE CONTROL MEASURES IN THE PRECEDING LEVEL(S). AS THE ACTIVITY PROGRESSES, A FULL RE-EVALUATION OF REMAINING ACTIVITY TYPE AND PATIENT RISK IS REQUIRED PRIOR TO DOWNGRADING THE LEVEL OF PRECAUTIONS.

LEVEL I:
1. PERFORM WORK ACTIVITY IN A MANNER THAT DOES NOT CREATE DUST.
2. IMMEDIATELY REPLACE ANY CEILING TILE, CLOSE ACCESS PANELS, ETC., UPON COMPLETION OF WORK.
3. ANY MATERIALS AND EQUIPMENT BEING BROUGHT INTO THE FACILITY MUST BE FREE OF CONTAMINANTS AND LOOSE MATERIAL.

LEVEL II:
ALL CONTROL MEASURES IN LEVEL I AND THE FOLLOWING:
1. PROVIDE ACTIVE MEANS TO CONTROL AIRBORNE DUST FROM DISPERSING INTO OCCUPIED AREAS AND/OR WATER MIST SURFACE TO CONTROL DUST (E.G., MOBILE DUST CONTAINMENT CART OR SOME OTHER SYSTEM).
2. IF WORK SITE CONTAINED, MUST BE NEUTRAL OR NEGATIVELY PRESSURIZED.
3. ENSURE WORKER CLOTHING IS CLEAN AND FREE OF VISIBLE DUST BEFORE LEAVING THE WORK AREA.
4. REMOVE/ISOLATE/TAPE OFF AIR DIFFUSERS (SUPPLY AND RETURN) TO PROTECT THE HVAC SYSTEM FROM DUST AND REDUCE AIR TURBULENCE. REBALANCE SYSTEM TO ADDRESS DIFFUSER ISOLATION.
5. WHEN THE WORK INVOLVES OR IMPACTS POTABLE WATER SYSTEMS INCLUDING STAGNATION DUE TO REDUCED USAGE, THE PIPING SHALL BE FLUSHED TWICE A WEEK OR ISOLATED FROM THE MAIN SYSTEM.
6. SEAL/CLOSE DOORS TO PREVENT DUST MIGRATION. MAY PUT ZIPPER PLASTIC BARRIER OVER DOOR.
7. CONSIDER HEPA CART USE.
8. CONTAIN ALL TRASH AND DEBRIS IN THE WORK AREA. PERFORM DAILY CLEANING AND DISPOSAL OF TRASH (COVERED) FROM WORK AREA USING AN IDENTIFIED EXIT ROUTE.
9. ANY EQUIPMENT, TOOLS, OR MATERIALS REMOVED FROM THE WORK AREA MUST BE IN SEALED CONTAINERS AND/OR CLEANED OF DUST AND DEBRIS PRIOR TO REMOVAL FROM THE AREA.
10. NONPOROUS/SMOOTH AND CLEANABLE CONTAINERS (WITH A HARD LID) MUST BE USED TO TRANSPORT TRASH AND DEBRIS FROM THE CONSTRUCTION AREAS. THESE CONTAINERS MUST BE DAMP-WIPED CLEANED AND FREE OF VISIBLE DUST/DEBRIS BEFORE LEAVING THE CONTAINED WORK AREA.
11. INSTALL A STICKY (DUST COLLECTION) MAT AT ENTRANCE OF CONTAINED WORK AREA BASED ON FACILITY POLICY. STICKY MATS MUST BE CHANGED ROUTINELY AND WHEN VISIBLY SOILED.
12. MAINTAIN CLEAN SURROUNDINGS WHEN AREA IS NOT CONTAINED BY DAMP MOPPING OR HEPA VACUUMING SURFACES AT LEAST DAILY.

LEVEL III:
ALL CONTROL MEASURES IN LEVELS I AND II AND THE FOLLOWING:
1. ENSURE AVAILABILITY OF EQUIPMENT FOR CLEANING HANDS.
2. CONSTRUCT AND COMPLETE CRITICAL BARRIERS MEETING NFPA 241 REQUIREMENTS. BARRIERS MUST EXTEND TO THE CEILING OR IF CEILING TILE IS REMOVED, TO THE DECK ABOVE.
3. ALL (PLASTIC OR HARD) BARRIER CONSTRUCTION ACTIVITIES MUST BE COMPLETED IN A MANNER THAT PREVENTS DUST RELEASE. PLASTIC BARRIERS MUST BE EFFECTIVELY AFFIXED TO FLOOR AND CEILING (OR FLOOR/ROOF DECK ABOVE) AND SECURE FROM MOVEMENT OR DAMAGE.
4. SEAL ALL PENETRATIONS IN CONTAINMENT BARRIERS, INCLUDING FLOORS AND CEILING, USING APPROVED MATERIALS (UL SCHEDULE FIRESTOP IF APPLICABLE FOR BARRIER TYPE).
5. MAINTAIN .01 INCHES WATER GAUGE NEGATIVE PRESSURIZATION OF THE ENTIRE WORKSPACE BY USE OF HEPA EXHAUST AIR SYSTEMS DIRECTED OUTDOORS (UNLESS A WORK SPECIFIC WAIVER IS APPROVED BY VHA'S OFFICE OF HEALTHCARE ENGINEERING); THIS MUST BE MAINTAINED CONTINUOUSLY 24/7 FOR THE DURATION OF THE PROJECT. EXHAUST DISCHARGED DIRECTLY TO THE OUTDOORS THAT IS 25 FEET OR GREATER FROM ENTRANCES, AIR INTAKES AND WINDOWS IS NOT REQUIRED TO BE HEPA-FILTERED. EXHAUSTING DISCHARGED AIR INTO SHARED OR RECIRCULATING HVAC SYSTEMS, OR OTHER SHARED EXHAUST SYSTEMS (E.G., BATHROOM EXHAUST) IS PROHIBITED.
6. INSTALL A DIFFERENTIAL PRESSURE SENSING DEVICE (E.G., MAGNEHELIC MANOMETER, OR DIGITAL MONITORING) ON EXTERIOR OF WORK CONTAINMENT TO CONTINUALLY MONITOR AND DOCUMENT NEGATIVE PRESSURIZATION. THE "BALL IN THE WALL" OR SIMILAR APPARATUS ARE NOT ACCEPTABLE.

LEVEL IV:
ALL CONTROL MEASURES IN LEVELS I, II AND III AND THE FOLLOWING:
1. BARRIERS MUST BE HARD BARRIERS UNLESS TEMPORARY TO INSTALL FINAL BARRIER.
2. CONTAINMENT MUST INCLUDE AN ANTEROOM TO ENSURE PRESSURE CONTROL. ANTEROOM MUST BE LARGE ENOUGH FOR EQUIPMENT STAGING, CART CLEANING, WORKERS' PPE AND CLEANING.
3. WORKER CLOTHING AND/OR PPE MUST BE REMOVED OR CLEAN AND FREE OF VISIBLE DUST BEFORE LEAVING THE WORK AREA ANTEROOM. HEPA VACUUMING OF CLOTHING OR USE OF COVER SUITS IS ACCEPTABLE.
4. WORKERS MUST WEAR SHOE COVERS OR HAVE A METHOD TO CLEAN SHOES IN ANTEROOM. SHOE COVERS MUST BE REMOVED PRIOR TO EXITING THE ANTEROOM TO THE OCCUPIED SPACE (NON-WORK AREA). DAMAGED SHOE COVERS MUST BE CHANGED IMMEDIATELY.

MINIMUM INFECTION PREVENTION AND CONTROL MEASURES REQUIRED UPON COMPLETION OF THE ACTIVITY

CONTROLS DEFINED BELOW SHALL BE COMPLETED UPON COMPLETION OF THE ACTIVITY AND INSPECTED PRIOR TO TERMINATING MEASURES DEFINED IN TABLE 5.

LEVELS I -II:
CLEANING:
1. CLEAN WORK AREAS INCLUDING ALL ENVIRONMENTAL SURFACES, HIGH HORIZONTAL SURFACES AND FLOORING MATERIALS.
2. CHECK ALL SUPPLY AND RETURN AIR REGISTERS FOR DUST ACCUMULATION ON UPPER SURFACES AS WELL AS AIR DIFFUSER SURFACES.

HVAC SYSTEMS:
1. REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED. VERIFY THAT HVAC SYSTEMS ARE CLEAN AND OPERATIONAL.
2. VERIFY THE HVAC SYSTEMS MEET ORIGINAL AIRFLOW AND AIR EXCHANGE DESIGN SPECIFICATIONS.

WATER SYSTEMS:
1. UNTIL THE POTABLE WATER SYSTEM IS ACTIVATED AND IN USE, FLUSHING SHALL CONTINUE AT LEAST TWICE PER WEEK IN ACCORDANCE WITH VHA DIRECTIVE 1061.

LEVELS III - IV:
CONSTRUCTION AREAS MUST BE INSPECTED BY AN INFECTION PREVENTIONIST AND ENGINEERING REPRESENTATIVE (AND OTHERS AS DETERMINED BY THE FACILITY) FOR FINAL ACTIVITY/PROJECT CLOSE OUT AND REMOVAL OF INFECTION PREVENTION AND CONTROL MEASURES.

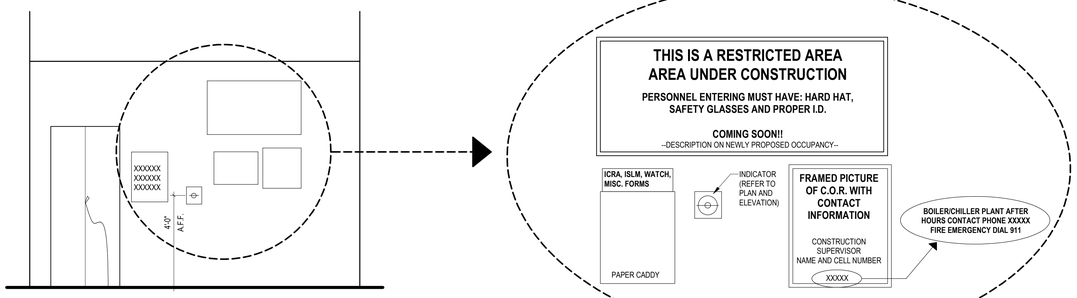
WORK AREA CLEANING:
1. CLEAN WORK AREAS INCLUDING ALL ENVIRONMENTAL SURFACES, HIGH HORIZONTAL SURFACES AND FLOORING MATERIALS.
2. CHECK ALL SUPPLY AND RETURN AIR REGISTERS FOR DUST ACCUMULATION ON UPPER SURFACES AS WELL AS AIR DIFFUSER SURFACES.

REMOVAL OF CRITICAL BARRIERS:
1. CRITICAL BARRIERS MUST REMAIN IN PLACE DURING ALL WORK INVOLVING DRYWALL REMOVAL, CREATION OF DUST AND ACTIVITIES BEYOND SIMPLE TOUCH-UP WORK. THE BARRIER MAY NOT BE REMOVED UNTIL A WORK AREA CLEANING HAS BEEN PERFORMED. ADDITIONAL CLEANING MAY BE NEEDED AFTER REMOVAL OF BARRIER.
2. ALL (PLASTIC OR HARD) BARRIER REMOVAL ACTIVITIES MUST BE COMPLETED IN A MANNER THAT PREVENTS DUST RELEASE. USE THE FOLLOWING PRECAUTIONS WHEN REMOVING HARD BARRIERS:
   1. CAREFULLY REMOVE SCREWS AND PAINTER TAPE.
   2. IF DUST WILL BE GENERATED DURING SCREW REMOVAL, USE HAND-HELD HEPA VACUUM.
   3. DRYWALL CUTTING IS PROHIBITED DURING REMOVAL PROCESS.
   4. CLEAN ALL STUD TRACKS WITH HEPA VACUUM BEFORE REMOVING OUTER HARD BARRIER.
   5. USE A PLASTIC BARRIER TO ENCLOSE AREA IF DUST COULD BE GENERATED.

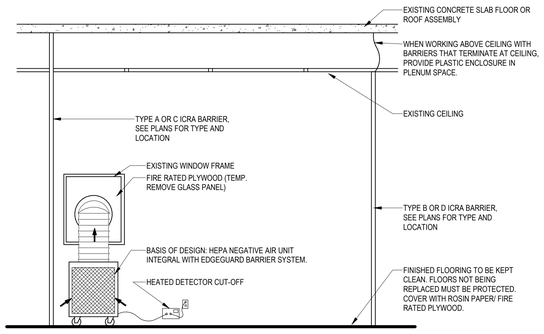
NEGATIVE AIR REQUIREMENTS:
1. THE USE OF NEGATIVE AIR MUST BE DESIGNED TO REMOVE CONTAMINANTS FROM THE WORK AREA.
2. NEGATIVE AIR DEVICES (FANS, FILTERS, MONITORING AND DOCUMENTATION EQUIPMENT) MUST REMAIN OPERATIONAL AT ALL TIMES AND IN PLACE FOR A PERIOD AFTER COMPLETION OF DUST CREATING ACTIVITIES TO REMOVE CONTAMINANTS FROM THE WORK AREA AND BEFORE REMOVAL OF CRITICAL BARRIERS.

HVAC SYSTEMS:
1. UPON REMOVAL OF CRITICAL BARRIERS, REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.
2. VERIFY THAT HVAC SYSTEMS ARE CLEAN AND OPERATIONAL.
3. VERIFY AND DOCUMENT THROUGH A TAB THE HVAC SYSTEMS MEETS ORIGINAL AIRFLOW AND AIR EXCHANGE DESIGN SPECIFICATIONS.

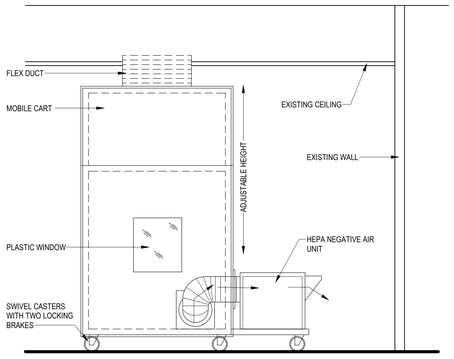
WATER SYSTEMS:
UNTIL THE POTABLE WATER SYSTEM IS ACTIVATED AND IN USE, FLUSHING SHALL CONTINUE AT LEAST TWICE PER WEEK IN ACCORDANCE WITH VHA DIRECTIVE 1061.



4 ICRA ELEVATION
3/8" = 1'-0"



3 SECTION AT ICRA CONSTRUCTION PLAN
3/8" = 1'-0"



2 ICRA MOBILE CONTAINMENT CART
3/8" = 1'-0"

1 GENERAL ICRA CONSTRUCTION PLAN LAYOUT
1/2" = 1'-0"

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
HOUSTON, TX 77008
(713) 864-2900

MECH/ELEC/PLUMB/TECH ENGINEER
SPUR DESIGN
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OKLAHOMA CITY, OK 73109
(405) 842-6100

PHYSICAL SECURITY
FORCE PROTECT
4015 VITRUVIAN WAY, UNIT 1212
ADDISON, TX 75001
PHONE NUMBER

FIRE PROTECTION ENGINEER
RATED ENGINEERING
609 S. KELLY AVE., SUITE H2
EDMOND, OK 73003
(405) 210-5814

ARCHITECT: SPUR #: 2517

SPUR DESIGN, LLC
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Oklahoma City, OK 73109
(405) 842-6100

ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

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DRAWING TITLE
ICRA CONSTRUCTION DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED Checker | DRAWN Author

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **GI002**
DRAWING # 03 OF 74

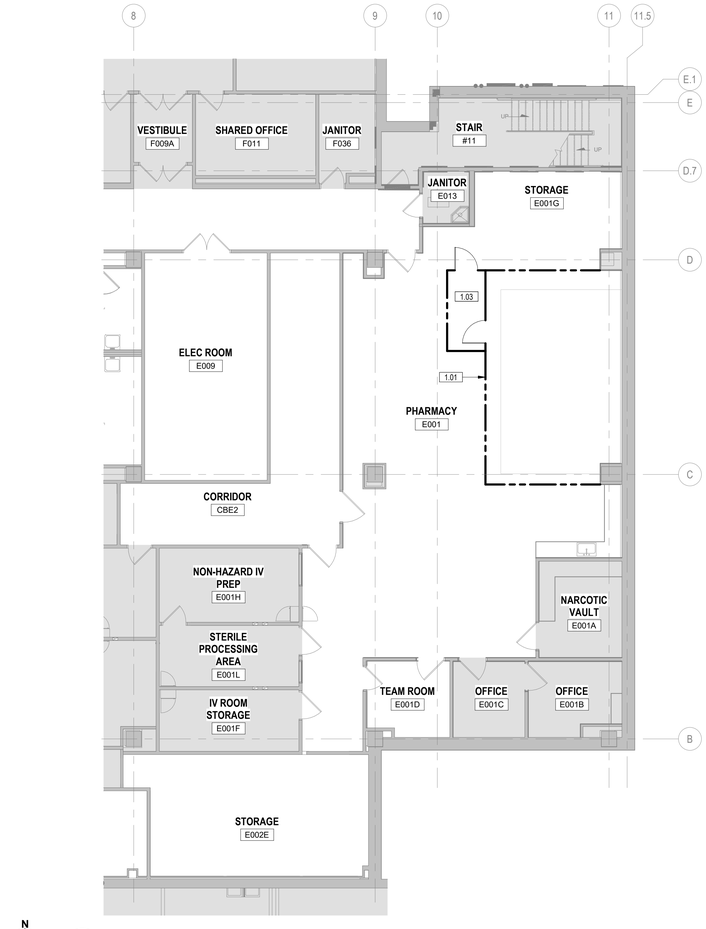
Veterans Health Administration
VA U.S. Department of Veterans Affairs

5/27/2026 7:51:00 AM

VA FORM 08-6231

ICRA FLOOR PLAN LEGEND			
	AREA NOT IN CONTRACT		TEMPORARY ICRA BARRIER, WALL TYPE "E" REF. GI002
	EXISTING PARTITION TO REMAIN		TEMPORARY ICRA ACCESSS DOOR
NOTE: NOT ALL SYMBOLS MAY BE USED.			

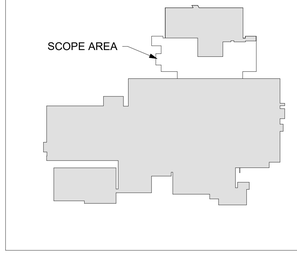
KEYNOTE LEGEND	
1.01	2-HOUR ICRA BARRIER AND DOOR SURROUNDING CEILING WORK AREA IN BASEMENT PHARMACY; REF. ICRA CONSTRUCTION DETAILS ON SHEET GI002 FOR ADDITIONAL INFORMATION
1.03	CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION BARRIER AND DOOR



N

1 BASEMENT LEVEL - ICRA FLOOR PLAN
1/8" = 1'-0"

KEY PLAN



FULLY SPRINKLERED

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DRAWING TITLE
ICRA FLOOR PLAN - BASEMENT LEVEL

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED JP | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **GI003**

DRAWING # 04 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 7:50:41 AM

VA FORM 08-6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

GENERAL NOTES

CODE AND DESIGN CRITERIA

1. BUILDING CODE: LATEST EDITION OF U.S. DEPARTMENT OF VETERANS AFFAIRS DESIGN GUIDES, STANDARDS, AND MANUALS.
   2024 INTERNATIONAL BUILDING CODE (IBC)
2. DESIGN LIVE LOADS:
   a. ROOF LL -- 20 PSF
   b. ROOF MECH'L LL -- 150 PSF (UNREDUCIBLE)
3. SNOW DESIGN DATA:
   a. GROUND SNOW LOAD (Pg)------------------------ 36 PSF
4. WIND DESIGN DATA:
   a. BASIC WIND SPEED ----------------------------------- 120 MPH (ASCE7-22, ULTIMATE)
   b. EXPOSURE -- C
   ENCLOSED PRESSURE COEFFICIENTS------- +/- 0.18
5. SEISMIC DESIGN DATA:
   a. BUILDING RISK CATEGORY ------------------------- IV
   b. IMPORTANCE FACTOR (I_E) ---------------------------- 1.5
   c. S_S -- 0.27g
   d. S_1 -- 0.11g
   e. SITE CLASS --- D
   f. S_{DS} -- 0.23g
   g. S_{D1} -- 0.16g
   h. SEISMIC DESIGN CATEGORY --------------------- D
   i. STEEL ORDINARY MOMENT FRAMES
   RESPONSE MODIFICATION FACTOR (R) ------- 3.5
   SEISMIC RESPONSE COEFFICIENT (C_S) -------- 0.099

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. NOTIFY COR OF ANY DISCREPANCIES.
2. DO NOT SCALE THE DRAWINGS.
3. GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS APPLY UNLESS NOTED OTHERWISE ON PLANS, ELEVATIONS, DETAILS AND SPECIFICATIONS. IN CASE OF CONFLICT THE GREATER REQUIREMENT GOVERNS.
4. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
5. THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OF OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTORS OR ANY OTHER PERSONS PERFORMING AN OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING AND SHORING FOR LOADS DUE TO HYDROSTATIC, EARTH, WIND OR SEISMIC FORCES, CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
7. NOTIFY THE STRUCTURAL ENGINEER THROUGH THE COR WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBER.
8. ALL SPECIFICATIONS AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.
9. COST OF ADDITIONAL FIELD AND OFFICE WORK NECESSITATED BY REQUESTS BY THE CONTRACTOR FOR AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF HE CHOOSES AN OPTION AND HE SHALL COORDINATE ALL DETAILS.
10. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN MISSOURI.
11. UNLESS NOTED OTHERWISE, DETAILS ON STRUCTURAL DRAWINGS ARE TYPICAL AS INDICATED BY CUTS, REFERENCES OR TITLE.
12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
13. FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO THE START OF SHOP DRAWINGS OR CONSTRUCTION.
14. EXISTING CONDITIONS REQUIRING MODIFICATIONS TO DOCUMENTS FOR PROPOSED CONSTRUCTION SHALL BE IMMEDIATELY SUBMITTED TO THE COR.

CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE', ACI 318, AND THE `SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS', ACI 301, LATEST EDITIONS, WITH MODIFICATIONS AS NOTED ON THE DESIGN DRAWINGS OR SPECIFICATIONS.
2. REINFORCED CONCRETE DESIGN IS BY THE ULTIMATE STRENGTH DESIGN METHOD.
3. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BEAR THE SEAL OF A CIVIL ENGINEER LICENSED IN THE STATE OF MISSOURI FOR REVIEW BY THE STRUCTURAL ENGINEER THROUGH THE CONTRACTOR. THE CONCRETE MIX SHALL COMPLY WITH ACI 318 FOR THE FOLLOWING EXPOSURE CLASSES: F0,S0,W1, C0
   a. CONCRETE SLAB-ON-GRADE, FOOTINGS, AND WALLS.
      1. MAXIMUM WATER/CEMENT RATIO OF 0.5. SLUMP SHALL BE 4" +/-1". APPROXIMATELY 3% AIR ENTRAINMENT
4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES:

LOCATION IN STRUCTURE	STRENGTH (PSI)	TYPE
FOOTINGS	4000	HARD ROCK
CONCRETE SLAB-ON-GRADE	4000	HARD ROCK
ALL CONCRETE UNO	4000	HARD ROCK

5. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
6. AGGREGATE FOR HARD ROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER THROUGH THE COR.
7. CONCRETE MIXING OPERATIONS, ETC., SHALL CONFORM TO ASTM C94.
8. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 304 AND PROJECT SPECIFICATIONS. SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
9. PLACING OF CONCRETE SHALL CONFORM TO ACI 305 "HOT WEATHER CONCRETING" AND ACI 306 "COLD WEATHER CONCRETE" WHEN APPLICABLE.
10. CLEAR COVERAGE OF CONCRETE OVER REINFORCING BARS BE AS FOLLOWS:
    a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ------------ 3"
    b. CONCRETE EXPOSED TO EARTH OR WEATHER:
       i. NO. 6 THROUGH NO. 18 BAR --- 2"
       ii. NO. 5 BAR AND SMALLER --- 1 1/2"
    c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
       i. SLABS, WALLS, JOISTS:
          1. NO. 14 AND NO. 18 BAR -- 1 1/2"
          2. NO. 11 BAR AND SMALLER --- 3/4"
       ii. BEAMS, COLUMNS:
          1. PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS ---------------------- 1 1/2"
    d. SLABS ON GRADE (FROM TOP) -- 1 1/2"
11. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
12. MECHANICAL PIPES AND ELECTRICAL CONDUITS WHICH PASS THROUGH SLAB ON GRADE, CONCRETE ON STEEL DECK, FRAMED CONCRETE FLOORS AND WALLS DO NOT REQUIRE SLEEVES, UNLESS OTHERWISE INDICATED IN THE PROJECT SPECIFICATIONS, MECHANICAL OR ELECTRICAL DRAWINGS. IF SLEEVES ARE REQUIRED, INSTALL SLEEVES BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING WHICH MAY INTERFERE WITH SLEEVE PLACEMENT. CORING OPENINGS IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER THROUGH THE COR IN ADVANCE OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. NO PIPES OR ELECTRICAL CONDUIT SHALL PASS THROUGH CONCRETE BEAMS OR COLUMNS UNLESS SPECIFICALLY DETAILED.
13. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4 IN. CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
14. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE A RESILIENT TILE FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.
15. MODULUS OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C469, SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1 OF ACI 318 FOR THE SPECIFIED CONCRETE 28-DAY STRENGTH.
16. MINIMUM STRENGTH FOR REMOVAL OF FORMS AND SHORING SHALL BE 75% OF SPECIFIED STRENGTH AT 28 DAYS.
17. ALL CONCRETE NOT SPECIFICALLY SHOWN WITH REINFORCEMENT SHALL BE REINFORCED IN THE SAME MANNER AS SIMILAR CONDITIONS OR WITH REINFORCEMENT MEETING THE MINIMUM REQUIREMENTS OF ACI-318.
18. CONCRETE SLAB SHALL BE WET MAT, MOIST CURED FOR A MINIMUM OF 7 DAYS.
19. CONCRETE MIXES MAY CONTAIN FLY ASH AS NOTED PER SPECIFICATIONS.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE `BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND THE `MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION' BY CRSI AND WCRSI, AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
2. DEFORMED REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
3. WELDING OF REINFORCING SHALL BE WITH LOW HYDROGEN ELECTRODES IN CONFORMANCE WITH 'RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL, ETC.', AMERICAN WELDING SOCIETY, AWS D1.4. WELDING OF REINFORCING STEEL IS LIMITED TO A706 REBAR.
4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
6. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.
7. SPLICES SHALL BE MADE ONLY AS AND WHERE INDICATED ON THE STRUCTURAL DRAWINGS.
8. DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE SPECIFIED VERTICAL REINFORCING, UNO
9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION OCCURS.
10. PROVIDE SHOP DRAWINGS AND FABRICATE AFTER THE COR'S REVIEW. ALL SPLICE LOCATIONS ARE SUBJECT TO APPROVAL. PLACE REBAR PER CRSI STANDARDS.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS' AND 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' (LATEST EDITION AND SUPPLEMENTS).
2. ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992.
3. ALL CHANNELS, ANGLES, PLATES & BARS SHALL CONFORM TO ASTM A36. UNLESS NOTED OTHERWISE.
4. ALL PIPE COLUMNS SHALL CONFORM TO ASTM A53 (TYPES E OR S), GRADE B OR ASTM A501.
5. ALL SQUARE OR RECTANGULAR TUBING SECTIONS SHALL CONFORM TO ASTM A500, GRADE C, OR ASTM A501 WITH Fy= 50 KSI.
6. ALL SIMPLE BEAM TO BEAM OR COLUMN CONNECTION PLATE MATERIAL, INCLUDING BEARING PLATES, GUSSET PLATES, STIFFENER PLATES, FILLER PLATES, ETC. SHALL CONFORM TO A36, UNLESS NOTED OTHERWISE.
7. ALL CONNECTION ANGLE MATERIAL SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.
8. CONNECTING OR SPLICING OF STRUCTURAL STEEL NOT SHOWN ON THE DRAWINGS IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE COR/ ENGINEER-OF-RECORD.
9. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL, FOR COR'S REVIEW BEFORE FABRICATION. SHOP DRAWINGS SHALL SHOW THE ERECTION PROCEDURES AND DETAILS. THE ICC REPORT, INCLUDING VERTICAL LOAD AND DIAPHRAGM SHEAR CAPACITY SHALL BE FURNISHED.
10. BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER THAN NOMINAL SIZE OF BOLT USED. HOLE SIZES FOR A307 AND A449 ANCHOR BOLTS MAY BE MADE OVERSIZE TO FACILITATE ERECTION AS FOLLOWS:
    a. BOLTS 3/4 TO 1 INCH: 5/16" LARGER THAN NORMAL SIZE OF BOLT.
    b. BOLTS 1 TO 2 INCH: 1/2" LARGER THAN NORMAL SIZE OF BOLT.
    c. BOLTS OVER 2 INCHES: 1" LARGER THAN NORMAL SIZE OF BOLT.
    IF A449 ANCHOR BOLTS ARE OVERSIZED, AN ASTM F436 HARDENED WASHER SHALL BE INSTALLED UNDER THE BOLT HEAD AND THE NUTS SHALL MEET THE REQUIREMENTS OF ASTM A563.
11. SEE SPECIFICATIONS FOR FINISH/PAINTING REQUIREMENTS FOR STRUCTURAL STEEL SURFACES. VERIFY WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
12. WELDED JOINTS SHALL CONFORM TO THE PREQUALIFIED JOINT DETAILS AS INDICATED IN THE STRUCTURAL WELDING CODE (AWS D1.1) BY THE AMERICAN WELDING SOCIETY.
13. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. WELDING RODS TO BE LOW HYDROGEN TYPE, E70.
14. ALL GROOVE WELDS TO BE FULL PENETRATION UNLESS NOTED. FULL PENETRATION WELDS AND ALL BUTT WELDED SPLICES OR CONNECTIONS SHALL BE ULTRASONICALLY TESTED AND INSPECTED BY AN INDEPENDENT TESTING LABORATORY TO CERTIFY ALL SPLICES AS MEETING OR EXCEEDING STRENGTH OF MATERIALS SPLICED. REDUCTION IN TESTING MAY BE MADE IN ACCORDANCE WITH THE BUILDING CODE WITH APPROVAL OF THE ENGINEER. TWO COPIES OF ALL TEST REPORTS AND A LETTER OF SUCH CERTIFICATION SHALL BE SUBMITTED TO THE COR.
15. WELDS MAY BE MADE IN SHOP OR FIELD WITH APPROVAL.
16. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WELD SIZE SHALL BE AISC MINIMUM PER AISC SECTION J2.1b AND 2.2b UNLESS A LARGER SIZE IS NOTED.
17. WELD TEST AND INSPECTIONS, SEE SPECIFICATIONS.
18. EXCEPT AS SUBSEQUENTLY NOTED, HIGH STRENGTH BOLTS NEED NOT BE TIGHTENED BEYOND THE SNUG-TIGHT CONDITION, AS DEFINED IN SECTION 8.(c) OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. FOR CONNECTIONS SUBJECT TO DIRECT TENSION, CONNECTIONS FOR BRACED FRAMES, AND OTHER CONNECTIONS SHOWN OR NOTED ON THE PLANS AS SC (SLIP CRITICAL) OR FULLY TENSIONED, BOLTS SHALL BE TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SECTION 8.(d) AND TO THE MINIMUM TENSION SPECIFIED IN SECTION 8.(d), TABLE 4.
19. SEE MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT SUPPORT FRAMING.

STEEL DECK

1. THE STEEL DECK FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL AND STEEL DECK, RESPECTIVELY, FOR COR'S REVIEW BEFORE FABRICATION. STEEL DECK SHOP DRAWINGS SHALL SHOW THE ERECTION PROCEDURES AND DETAILS. THE ICC REPORT, INCLUDING VERTICAL LOAD AND DIAPHRAGM SHEAR CAPACITY SHALL BE FURNISHED.
2. THE STEEL DECK SHALL BE OF THE TYPE AND GAUGE AS CALLED FOR ON DRAWINGS. DECK AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM STANDARDS AS SHOWN BELOW. GALVANIZED DECK SHALL BE COATED IN ACCORDANCE WITH ASTM A924 WITH A MINIMUM CLASS OF G60 AS DEFINED IN ASTM A653. ALL ROOF DECK SHALL BE GALVANIZED. STEEL DECK UNITS WITH CONCRETE FILL SHALL BE CONTINUOUS OVER THREE OR MORE SPANS. IF STEEL DECK UNITS WITH CONCRETE FILL SPAN LESS THAN 3 SPANS, THE DECK UNITS SHALL BE SHORED, UNO STEEL ROOF DECK UNITS SHALL BE CONTINUOUS OVER TWO OR MORE SPANS, UNO.
   a. GALVANIZED DECK:------------------------ ASTM A653, SS GRADE 33 (MIN), MINIMUM YIELD STRENGTH OF 38000 PSI.
   b. GALVANIZED CORRUGATED DECK:-- ASTM A653, SS GRADE 80 (MIN), MINIMUM YIELD STRENGTH OF 80000 PSI.
   c. PAINTED DECK:------------------------------ ASTM A1008, SS GRADE 33 (MIN), MINIMUM YIELD STRENGTH OF 38000 PSI.
3. MINIMUM BEARING OF STEEL DECK ON SUPPORTS SHALL BE 2 INCHES UNO SHEETS SHALL BE ATTACHED TO ALL SUPPORTING STEEL MEMBERS AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. UPON COMPLETION OF ERECTION, ALL WELDS ON STEEL DECK AREAS EXPOSED TO WEATHER SHALL BE DE-SLAGED, CLEANED AND TOUCHED-UP WITH A ZINC RICH PRIMER. OPENING EDGES SHALL RECEIVE SAME WELDING/ ATTACHMENT AS REQUIRED FOR TRANSVERSE SUPPORTS.
4. DECK SHALL BE 1 1/2" TYPE HSB-36 WITH SECTION PROPERTIES PER FOOT OF WIDTH SHALL BE AS FOLLOWS:

GAGE	MINIMUM I (IN4)	MINIMUM S (IN3)
22	0.216	0.235
20	0.216	0.235
18	0.302	0.322

5. MINIMUM CONNECTION TO STEEL MEMBERS SHALL BE AS NOTED BELOW. PUDDLE WELD TO STEEL USING 1/2" DIAMETER FUSION AREA AS FOLLOWS:
   a. TO ALL TRANSVERSE SUPPORTS (JOISTS, BEAMS, ANGLES,PLATES, ETC.): FIVE WELDS PER SHEET. WELD EACH SIDE OF SEAM AND THREE INTERMEDIATE.
   b. TO ALL STEEL PARALLEL TO FLUTES: 12" OC
   c. SIDE SEAMS: STITCH WELD OR BUTTON PUNCH AT 12" OC
   OPENING EDGES SHALL RECEIVE SAME WELDING AS REQUIRED FOR TRANSVERSE SUPPORTS.
6. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC., FOR SIZES AND LOCATIONS OF ALL DECK OPENINGS. SEE TYPICAL DETAILS FOR FRAMING REQUIREMENTS AT DECK OPENINGS. OPENINGS LARGER THAN 12" SHALL NOT BE PLACED IN DECK UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS, NOTIFY THE STRUCTURAL ENGINEER THROUGH THE COR OF ANY DISCREPANCIES.
7. ANCHOR STUDS, SHEAR STUDS, AND DEFORMED ANCHORS.
   a. SHALL BE MANUFACTURED BY NELSON STUD WELDING COMPANY OR EQUAL.
   b. HEADED STUDS (SHEAR AND ANCHOR) SHALL BE MADE OF MATERIAL CONFORMING TO ASTM A108
   c. DEFORMED ANCHORS SHALL BE MADE OF MATERIAL CONFORMING TO ASTM A496.
   d. STUDS AND ANCHORS SHALL BE WELDED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. MANUAL ARC (STICK) WELDING OF HEADED STUDS AND/OR DEFORMED ANCHORS IS NOT ALLOWED: PARAGRAPHS 7.5.5 TO 7.5.5.6 INCLUSIVE, OF THE AWS D1.1, ARE DELETED.
8. EXCEPT AS SUBSEQUENTLY NOTED, HIGH STRENGTH BOLTS NEED NOT BE TIGHTENED BEYOND THE SNUG-TIGHT CONDITION, AS DEFINED IN SECTION 8.(c) OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. FOR CONNECTIONS SUBJECT TO DIRECT TENSION, CONNECTIONS FOR BRACED FRAMES, AND OTHER CONNECTIONS SHOWN OR NOTED ON THE PLANS AS SC (SLIP CRITICAL) OR FULLY TENSIONED, BOLTS SHALL BE TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SECTION 8.(d) AND TO THE MINIMUM TENSION SPECIFIED IN SECTION 8.(d), TABLE 4.
9. THE APPLICATION OF THE FIREPROOFING TO THE STEEL MEMBERS AND STEEL DECK IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST ENFORCE THE REQUIREMENTS OF THE MANUFACTURER AND NOT IMPOSE ANY ADDITIONAL LOADS, INCLUDING CONSTRUCTION LIVE LOADS, DURING THE APPLICATION AND CURING OF THE FIREPROOFING.
10. SEE MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT SUPPORT FRAMING.
11. CAMBER SHOWN IS BASED ON THE COMPUTED DEFLECTION OF THE BEAM DUE TO SELF WEIGHT OF CONCRETE PLACED. DESIGN IS BASED ON THE THEORETICAL CONCRETE THICKNESS PLUS 1/2" THICKNESS FOR DECK LEVELING & BEAM DEFLECTION. INCLUDE QUANTITY OF ADDED CONCRETE DUE TO DECK AND BEAM DEFLECTION IN BID.

LIGHT GAGE STEEL

1. FIELD SUBSTITUTION OF STEEL MATERIALS & FASTENERS ARE NOT ALLOWED WITHOUT APPROVAL OF STRUCTURAL ENGINEER THROUGH THE COR.
2. ALL WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
   a. 2024 IBC
   b. AMERICAN IRON & STEEL INSTITUTE (AISI) NAS FOR COLD FORMED STEEL STRUCTURAL MEMBERS.
   c. AMERICAN WELDING SOCIETY (AWS) D1.1 & D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURE.
   d. AMERICAN SOCIETY FOR TESTING & MATERIALS (ASTM).
3. ALL STUD & TRACK MATERIAL TO CONFORM TO THE FOLLOWING:
   a. 16 GAUGE & HEAVIER:
   (50 KSI MIN YIELD, 65 KSI MIN TENSILE STRENGTH)
   PAINTED STEEL PER -------------------- ASTM A1011 - GRADE 50
   GALVANIZED STEEL PER -------------- ASTM A653 - GRADE 50
   b. 18 GAUGE & LIGHTER:
   (33 KSI MIN YIELD, 45 KSI MIN TENSILE STRENGTH)
   PAINTED STEEL PER -------------------- ASTM A1011 - GRADE 33
   GALVANIZED STEEL PER -------------- ASTM A653 - GRADE 33
4. MISCELLANEOUS STEEL TO CONFORM TO THE FOLLOWING:
   a. 20 TO 18 GAUGE — 33 KSI MIN. YIELD
   b. 16 TO 10 GAUGE — 50 KSI MIN. YIELD
   c. 3/16" & HEAVIER — ASTM A36
5. ALL WELDING TO BE PERFORMED BY CERTIFIED LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTION COMPLYING WITH AWS D1.3. WELDING RODS TO CONFORM TO THE FOLLOWING:
   a. 18 GAUGE & LIGHTER — E60XX
   b. 16 GAUGE & HEAVIER — E70XX OR E6013
   c. LIGHT GAUGE TO STRUCTURAL STEEL — E70XX LOW HYDROGEN
6. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON AN ANGLE SUCH AS BRACING TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
7. ALL STUDS SHALL BE ATTACHED BY WELDING UNLESS NOTED OTHERWISE. WIRE TYING OF FRAMING COMPONENTS IS NOT PERMITTED.
8. BUTT WELDS OR SPLICES SHALL BE USED AT ALL JOINTS IN TRACK. SPLICES IN AXIAL LOADED STUDS OR BRACES ARE NOT PERMITTED. ALL WELDS SHALL BE PLUG, BUTT OR SEAM WELDS. WHERE STUDS ARE BURNED THROUGH WELDING, PROVIDE SUITABLE STITCH PLATE OF THE SAME GAUGE.
9. ALL CALCULATED STUD PROPERTIES PER AISI SPECIFICATION ARE BASED ON THE FOLLOWING THICKNESS:
   a. 10 GAUGE — 0.1242"
   b. 12 GAUGE — 0.1017"
   c. 14 GAUGE — 0.0713"
   d. 16 GAUGE — 0.0566"
   e. 18 GAUGE — 0.0451"
   f. 20 GAUGE — 0.0346
10. LATERAL BRACING FOR STEEL STUDS IS REQUIRED WHEN WALL BOARD, INSTALLED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE REQUIREMENTS DOES NOT CONTINUE FULL HEIGHT ON BOTH SIDES. BRACING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & RELATED DETAILS.
11. TRACK SHALL BE UNPUNCHED WITH GAUGE TO MATCH STUD FRAMING UNLESS NOTED OTHERWISE.
12. UTILITY PUNCH HOLES IN STUDS SHALL BE LOCATED AWAY FROM CONNECTIONS.
13. WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING & ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION. WITHOUT SUPPORTIVE DATA, THE MINIMUM BRIDGING SHALL BE 5'-0" ON CENTER FOR WIND LOADED WALLS AND 3'-4" FOR AXIAL LOADED WALLS.
14. AXIAL LOAD BEARING STUDS MUST BE FULLY SEATED INTO THE WALL TRACKS (1/16" MAXIMUM GAP BETWEEN THE STUDS & THE TRACK WEBS).
15. OPENINGS IN STUD WEBS OTHER THAN STANDARD HOLES PUNCHED BY MANUFACTURERS ARE PROHIBITED UNLESS SPECIFICALLY DETAILED.
16. LOW VELOCITY FASTENERS (SHOTPINS) WHERE CALLED OUT ON PLAN SHALL BE X-DNI BY HILTI (ICC ESR 2379) INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITY. LOW VELOCITY FASTENERS SHALL BE 0.145 DIA WITH 1 1/4" MINIMUM EMBEDMENT, UNLESS NOTED OTHERWISE.
17. SCREWS SHALL BE GRABBER OR EQUAL SELF-DRILLING/SELF-TAPPING STEEL SCREWS INSTALLED IN ACCORD WITH THE BUILDING DEPARTMENT, UNLESS NOTED OTHERWISE. SCREWS SHALL HAVE SUFFICIENT LENGTH TO ENSURE PENETRATION INTO STEEL STUD BY AT LEAST 2 FULL DIAMETER THREADS.

DEFERRED SUBMITTALS

1. COLD-FORMED METAL STEEL AND CONNECTIONS SHALL BE DESIGNED AND SEALED BY A LICENSED ENGINEER IN THE STATE OF MISSOURI. THE CALCULATIONS AND DETAIL DRAWINGS SHALL BE SUBMITTED FOR APPROVAL SHOWING ALL CALCULATIONS, INCLUDING DESIGN LOADS, MEMBER SIZES, AND CONNECTIONS.
2. STEEL STAIRS INCLUDING HANDRAILS AND THEIR CONNECTIONS SHALL BE DESIGNED AND SEALED BY A LICENSED ENGINEER IN THE STATE OF MISSOURI. THE CALCULATIONS AND DETAIL DRAWINGS SHALL BE SUBMITTED FOR APPROVAL SHOWING ALL CALCULATIONS, INCLUDING DESIGN LOADS, MATERIAL, MEMBER SIZES AND CONNECTIONS. REFER TO SPECIFICATION 05 51 00.

ABBREVIATIONS

AB	Anchor Bolt	FAB	Fabrication	d	Penny (Nails, etc)
ADD	Addition	FF	Far Face	PERM	Permanent
AGGR	Aggregate	FS	Far Side	PERP	Perpendicular
A/C	Air Condition	FT or '	Feet or Foot	PC	Pile Cap or Piece
ALT	Alternate	FBM	Feet Board Measure	PL	Plate
AL	Aluminum	FIG	Figure	PLYWD	Plywood
ACI	American Concrete Institute	FIN	Finish	PT	Point
AIA	American Institute of Architects	FLR	Floor	LB	Pound
AISC	American Institute of Steel Construction	FD	Floor Drain	PCF	Pounds Per Cubic Foot
AISI	American Iron and Steel Institute	FTG	Footing	PSF	Pounds Per Square Foot
ASTM	American Society for Testing and Materials	FND	Foundation	PSI	Pounds Per Square Inch
ANSI	American National Standards Institute	FRMG	Framing	PROJ	Project
AWS	American Welding Society				
&	And	GA	Gage or Gauge	QTR	Quarter
L	Angle	GALV	Galvanize		
APPROX	Approximate	GI	Galvanized Iron	RAD	Radius
ARCH	Architectural	GN	General Notes	REF	Reference
ASPH	Asphalt	GLB	Glu lam Beam	REINF	Reinforce, Reinforced
ASSY	Assembly	GR	Grade		Reinforcement, or Reinforcing
AVG	Average	GRND	Ground	REQD	Required
				REV	Revision or Revise
BPL	Base Plate	HGT	Height	RD	Round
BRG	Bearing	HEX	Hexagon		
M	Bending Moment	HORIZ	Horizontal	SCHED	Schedule
BOT	Bottom			SECT	Section
BLDG	Building	S	I Beam	SHT	Sheet
B/D	Bottom of Deck	IN or "	Inches	SIM	Similar
		INCL	Include or Included	S	South
CC	Carried Column	ID	Inside Diameter	SPECS	Specifications
CIP	Cast In Place			SQ	Square
CG	Center of Gravity	JST	Joist	STD	Standard
CLG	Ceiling	JT	Joint	STL	Steel
CEN	Center			STK	Stock
C/C	Center To Center	K	Kip (1,000 lbs)	STRUCT	Structural
C	Channel	KO	Knockout	SYM	Symmetrical
CLR	Clear			SF	Square Feet or Struct Force
COL	Column	LAM	Laminated		
CJ	Control Joint	LGTH	Length	TAN	Tangent
CONC	Concrete	LT	Light	THKNS	Thickness
CONN	Connection	LG	Long	THRU	Through
CONST	Construction	LONGIT	Longitudinal	TOL	Tolerance
CONT	Continuous	LHE	Low Hydrogen Electrode	T&G	Tongue and Groove
CMP	Corrugated Metal Pipe	LLBB	Long Leg Back To Back	T&B	Top and Bottom
CMU	Concrete Masonry Units	LLH	Long Leg Horizontal	T/C	Top of Concrete
CF	Cubic Foot	LLV	Long Leg Vertical	T/F	Top of Footing or Top of Foundation
CY	Cubic Yard			T/W	Top of Wall
		MB	Machine Bolt	T/M	Top of Masonry
DBL	Double	MFR	Manufacturer	T/S	Top of Steel
DET	Detail	MK	Mark	TOT	Total
DIAG	Diagonal	MAX	Maximum	TRANS	Transverse
DIA	Diameter	MET	Metal	TYP	Typical
DIM	Dimensions	MATL	Material		
DO	Ditto	MECH	Mechanical	UN	Unless Noted
2L	Double Angle	MED	Medium	UNO	Unless Noted Otherwise
DF	Douglas Fir	MEZZ	Mezzanine		
DWG	Drawing	MIN	Minimum	VIF	Verify In Field
		MISC	Miscellaneous	VERT	Vertical
EA	Each	MIX	Mixture		
EF	Each Face	MULT	Multiple	WWF	Welded Wire Fabric
EW	Each Way			W	West
ELECT	Electrical	NF	Near Face	W	Wide Flange
E	East	NS	Near Side	W/	With
ELEV	Elevation	NOM	Nominal	W/O	Without
ENGR	Engineer	N	North	WP	Work Point
EQ	Equal	NTS	Not To Scale		
EQUIP	Equipment	#	Number	YD	Yard
EXT	Exterior				
ETC	Etcetera	OC	On Center		
EXCAV	Excavate	OPNG	Opening		
EXIST	Existing	OPP	Opposite		
EJ	Expansion Joint	ORIG	Original		
X-HVY	Extra Heavy	OD	Outside Diameter		
X-STR	Extra Strong				

SYMBOL LEGEND

LEGEND:

Symbol	Meaning
(arrow)	SLOPE DIRECTION DOWN
(half arrows)	SPAN DIRECTION
(00'-0")	STEEL ELEVATION
00'-0"	MISCELLANEOUS ELEVATION
00'-0"	FLOOR OR STEEL ELEVATION
[00]	REQUIRED NUMBER OF HEADED SHEAR STUDS
(symbol)	RIGID CONNECTION
C=0"	CAMBER UP

GSN = GENERAL STRUCTURAL NOTES

UNO = UNLESS NOTED OTHERWISE

- INDICATES TUBE COLUMN
- INDICATES WIDE FLANGE COLUMN
- INDICATES STD PIPE COLUMN
- INDICATES BEAM SPLICE
- F1 — INDICATES FOOTING SIZE. SEE SCHEDULE.
- INDICATES AREA NOT IN SCOPE.

SYMBOLS AND ABBREVIATIONS FOR CONCRETE (as per ACI)

- # — To Indicate Size of Deformed Bar.
- ∅ — Plain Rounds, as Spirals
- @ AT — Spacing Center to Center
- Direction in Which Bars Extend
- Limits of Area Covered By Bars

BT	Bent
BOT	Bottom
CL	Clear
CT	Column Tie
EF	Each Face
EW	Each Way
FF	Far Face
IF	Inside Face
NF	Near Face
OF	Outside Face
PL	Plain Bar
STIR	Stirrup
SP	Spiral
STR	Straight
T	Top

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100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:
TOD J. HENNING, P.E.
MISSOURI
REGISTRATION NO.
PE-2016034876
INTERIM SUBMITTAL
NOT FOR
CONSTRUCTION
PURPOSES

DRAWING TITLE
GENERAL NOTES, ABBREVIATIONS, AND LEGEND

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE	CHECKED	DRAWN
05/28/2026	AEH	NT

PROJECT NUMBER 589A4-25-102

BUILDING NUMBER 1

DRAWING NUMBER **SA000**

DRAWING # 05 OF 74

Veterans Health Administration

VA U.S. Department of Veterans Affairs

SPECIAL INSPECTIONS

1. SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING TYPES OF WORK:
   A. ALL CONCRETE WORK FOR STRENGTHS GREATER THAN 2500 PSI, EXCEPT FOR SLABS-ON-GRADE, FOOTINGS AND NON STRUCTURAL CONCRETE.
   B. ALL REINFORCING STEEL FOR CONCRETE STRENGTHS GREATER THAN 2500 PSI.
   C. ALL FIELD WELDING (EXCEPT METAL STUDS, FURRING CHANNELS, ETC.). SHOP WELDING FOR PROCEDURES AND MULTIPLE PASS WELDS.
   D. ALL FULL PENETRATION WELDS SHALL BE VISUALLY INSPECTED IN ACCORDANCE WITH AWS AND THE CURRENT INTERNATIONAL BUILDING CODE.
   E. ALL FILLET WELDS SHALL BE VISUALLY INSPECTED IN ACCORDANCE WITH AWS AND THE CURRENT INTERNATIONAL BUILDING CODE.
   F. ALL MASONRY WORK, SEE NOTES UNDER 'MASONRY' FOR REQUIREMENTS. ALL MASONRY INSPECTION SHALL ALSO COMPLY WITH THE NATIONAL CONCRETE MASONRY INSTITUTE.
   G. BOLTS INSTALLED IN CONCRETE OR MASONRY.
   H. ALL ASTM A-325 AND/OR ASTM-490 HIGH STRENGTH BOLTS.
   I. ALL EXPANSION BOLTS AND ADHESIVE ANCHORS.
   J. ALL GROUTED DOWELS.

QUALITY ASSURANCE PLAN AND STATEMENT OF SPECIAL INSPECTION

1. SPECIAL INSPECTION, PER THE 2024 INTERNATIONAL BUILDING CODE CHAPTER 17, SECTION 1704 AND 1705. SEE PROJECT SPECIFICATIONS AND STATEMENT OF SPECIAL INSPECTIONS BELOW FOR SPECIFIED REQUIREMENTS.
2. STATEMENT OF SPECIAL INSPECTIONS THIS STATEMENT OF SPECIAL INSPECTIONS IS IN ACCORDANCE WITH SECTIONS 1704.3 OF THE IBC 2024 CODE. THE INTENT OF THIS SECTION IS THAT ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 17 OF THE 2024 IBC UNLESS SPECIFICALLY NOTED OTHERWISE. SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING:
   a. CONCRETE CONSTRUCTION (IBC 1705.3, ACI 318)
   b. STEEL CONSTRUCTION (IBC 1705.2, AISC 360-22)
      i. WELDING:
      ii. HIGH STRENGTH BOLTS:
   c. STEEL DECK (ANSI-SDI-QAQC-2022)
   d. ANCHORAGE OF PLUMBING, MECHANICAL, AND ELECTRICAL EQUIPMENT (IBC 1705.13.6
      i. PERIODIC PER IBC 1705.13.6
   e. VERIFY THAT THE COMPONENT LABEL, ANCHORAGE, AND MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE FOR ELEMENTS OF THE DESIGNATED SEISMIC SYSTEMS REQUIRING SEISMIC QUALIFICATION (IBC 1705.13.4)
      i. PERIODIC PER IBC 1705.13.4
3. THE SPECIAL INSPECTOR (SI) SHALL BE RETAINED BY THE CONTRACTOR AND APPROVED BY THE CONTRACTING OFFICER AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTIONS. THE SI MUST BE AN INDEPENDENT THIRD PARTY HIRED DIRECTLY BY THE PRIME CONTRACTOR.
4. ITEMS SPECIFIED AS QUALITY CONTROL (QC) IN THE FOLLOWING TABLES SHALL BE PROVIDED BY THE CONTRACTOR'S FABRICATOR AND ERECTOR AS REQUIRED PER AISC 360.
5. ITEMS NOTED AS QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY THE CONTRACTOR'S SPECIAL INSPECTOR.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION - REFERENCE 2024 IBC TABLE 1705.3

TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCE STANDARD	IBC REFERENCE
1. Inspect reinforcement and verify placement.	—	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1, 26.6.3	—
2. Inspect anchors cast in concrete.	—	X	ACI 318: 26.13.3.3	—
3. Inspect anchors post-installed in hardened concrete members.	X	—	ACI 318: 26.13	—
4. Verify use of required design mix.	—	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2
5. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	—	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	—
6. Inspect concrete placement for proper application techniques.	X	—	ACI 318: 26.5	—
7. Verify maintenance of specified curing temperature techniques.	—	X	ACI 318: 26.5.3-26.5.5	—

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - REFERENCE 2024 IBC 1705.2 INSPECTION TASKS PRIOR TO WELDING - REFERENCE AISC 360-22 SPECIFICATION, TABLE N5.4-1

INSPECTION TASKS PRIOR TO WELDING	QC	QA
Welder qualification records and continuity records	P	O
WPS available	P	P
Manufacturer certifications for welding consumables available	P	P
Material identification (type/grade)	O	O
Welder identification system • Fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. • Die stamping of members subjected to fatigue shall be prohibited unless approved by the engineer of record.	O	O
Fit-up of groove welds (including joint geometry) • Joint preparation • Dimensions (alignment, root opening, root face, bevel) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location) • Backing type and fit (if applicable)	P	O
Fit-up of CJP groove welds of HSS T-, Y-, and K-joints without backing (including joint geometry) • Joint preparation • Dimensions (alignment, root opening, root face, bevel) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location)	O	O
Configuration and finish of access holes	O	O
Fit-up of fillet welds • Dimensions (alignment, gaps at root) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location)	O	O
Check welding equipment	O	—

O – Observe these items on a random basis. Operations need not be delayed pending these inspections.
P – Perform these tasks for each welded joint or member.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - REFERENCE 2024 IBC 1705.2 INSPECTION TASKS DURING WELDING - REFERENCE AISC 360-22 SPECIFICATION, TABLE N5.4-2

INSPECTION TASKS DURING WELDING	QC	QA
Control and handling of welding consumables • Packaging • Exposure control	O	O
No welding over cracked tack welds	O	O
Environmental conditions • Wind speed within limits • Precipitation and temperature	O	O
WPS followed • Settings on welding equipment • Travel speed • Selected welding materials • Shielding gas type/flow rate • Preheat applied • Interpass temperature maintained (min./max.) • Proper position (F, V, H, OH)	O	O
Welding techniques • Interpass and final cleaning • Each pass within profile limitations • Each pass meets quality requirements	O	O
Placement and installation of steel headed stud anchors	P	P

O – Observe these items on a random basis. Operations need not be delayed pending these inspections.
P – Perform these tasks for each welded joint or member.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - REFERENCE 2024 IBC 1705.2 INSPECTION TASKS PRIOR TO BOLTING - REFERENCE AISC 360-22 SPECIFICATION, TABLE N5.6-1

INSPECTION TASKS PRIOR TO BOLTING	QC	QA
Manufacturer's certifications available for fastener materials	O	P
Fasteners marked in accordance with ASTM requirements	O	P
Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	O	O
Correct bolting procedure selected for joint detail	O	O
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	O	O
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	P	O
Proper storage provided for bolts, nuts, washers and other fastener components	O	O

O – Observe these items on a random basis. Operations need not be delayed pending these inspections.
P – Perform these tasks for each welded joint or member.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - REFERENCE 2024 IBC 1705.2 INSPECTION TASKS DURING BOLTING - REFERENCE AISC 360-22 SPECIFICATION, TABLE N5.6-2

INSPECTION TASKS DURING BOLTING	QC	QA
Fastener assemblies placed in all holes and washers and nuts are positioned as required	O	O
Joint brought to the snug-tight condition prior to the pretensioning operation	O	O
Fastener component not turned by the wrench prevented from rotating	O	O
Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	O	O

O – Observe these items on a random basis. Operations need not be delayed pending these inspections.
P – Perform these tasks for each welded joint or member.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - REFERENCE 2024 IBC 1705.2 INSPECTION TASKS AFTER BOLTING - REFERENCE AISC 360-22 SPECIFICATION, TABLE N5.6-3

INSPECTION TASKS AFTER BOLTING	QC	QA
Document acceptance or rejection of bolted connections	P	P

O – Observe these items on a random basis. Operations need not be delayed pending these inspections.
P – Perform these tasks for each welded joint or member.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL - REFERENCE 2024 IBC 1705.2 INSPECTION TASKS AFTER WELDING - REFERENCE AISC 360-22 SPECIFICATION, TABLE N5.4-3

INSPECTION TASKS AFTER WELDING	QC	QA
Welds cleaned	O	O
Size, length and location of welds	P	P
Welds meet visual acceptance criteria • Crack prohibition • Weld/base-metal fusion • Crater cross section • Weld profiles • Weld size • Undercut • Porosity	P	P
Arc strikes	P	P
k-area	P	P
Weld access holes in rolled heavy shapes and built-up heavy shapes	P	P
Backing removed and weld tabs removed (if required)	P	P
Repair activities	P	P
Document acceptance or rejection of welded joint or member	P	P
No prohibited welds have been added without the approval or EOR	O	O

O – Observe these items on a random basis. Operations need not be delayed pending these inspections.
P – Perform these tasks for each welded joint or member.

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

TOD J. HENNING, P.E.
MISSOURI
REGISTRATION NO.
PE-2016034676
INTERIM SUBMITTAL
NOT FOR
CONSTRUCTION
PURPOSES

DRAWING TITLE
SPECIAL INSPECTIONS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SA011**

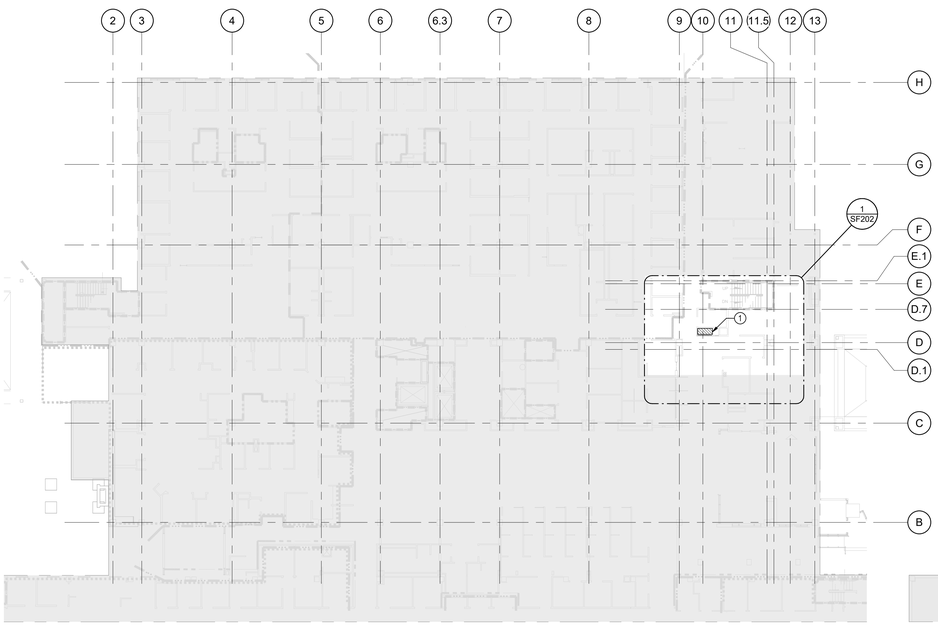
DRAWING # 06 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 12:23:39 AM

VA FORM 08-6231



N

2 LEVEL 1 - OVERALL REFERENCE PLAN

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

N

1 BASEMENT LEVEL - OVERALL REFERENCE PLAN

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

GENERAL SHEET NOTES

A. REFERENCE SHEET SA000 FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES FOR APPLICABILITY.

B. SEE ARCHITECTURAL DRAWINGS FOR DETAILS & DIMENSIONS NOT SHOWN.

C. ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS SHOWN ARE TAKEN FROM THE EXISTING CONSTRUCTION PLANS DATED JANUARY 13, 2017. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS AND NOTIFY THE CONTRACTING OFFICER OF ALL DISCREPANCIES PRIOR TO COMMENCING THE WORK.

D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SHORE ANY EXISTING STRUCTURE IN A MANNER AS NEEDED THAT WILL PREVENT FAILURE OR DAMAGE TO THE REMAINING STRUCTURES.

E. CONTRACTOR TO PROVIDE TEMPORARY COVERS (SUCH AS SHEETING, TARPS, OR OTHER PROTECTIVE MATERIALS) ON THE EXISTING BUILDING IN ORDER TO PROTECT THE REMAINING INTERIOR PORTION OF THE BUILDING FROM WEATHER AND ELEMENTS AT ALL TIMES DURING CONSTRUCTION.

(#) PLAN NOTES:

1. NEW FLOOR OPENING IN EXISTING FLOOR. DO NOT CUT INTO CONCRETE JOIST RIBS OR CONCRETE BEAM.
2. NEW AHU 10 HOUSEKEEPING PAD.
3. NEW ENCLOSURE.
4. NEW ROOF.
5. WALL PENETRATION. NEW OPENINGS IN EXISTING WALL.
6. OPENINGS IN NEW FLOOR, TYP.
7. OPENINGS IN NEW ROOF, TYP.
8. OPENING IN NEW WALL.

KEY PLAN

FULLY SPRINKLERED

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No.	REVISION DESCRIPTION	DATE

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FORCE PROTECT
4015 VITRUVIAN WAY, UNIT 1212
ADDISON, TX 75001
PHONE NUMBER

FIRE PROTECTION ENGINEER
RATED ENGINEERING
609 S. KELLY AVE., SUITE H2
EDMOND, OK 73003
(405) 210-5814

ARCHITECT: SPUR# 2517

SPUR DESIGN, LLC
312 SW 25TH STREET
Oklahoma City, OK 73109
(405) 842-6100

ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

TOD J. HENNING, P.E.
MISSOURI
REGISTRATION NO.
PE-2016034876
INTERIM SUBMITTAL
NOT FOR
CONSTRUCTION
PURPOSES

DRAWING TITLE
OVERALL REFERENCE PLANS - BASEMENT AND LEVEL 1

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SA101**

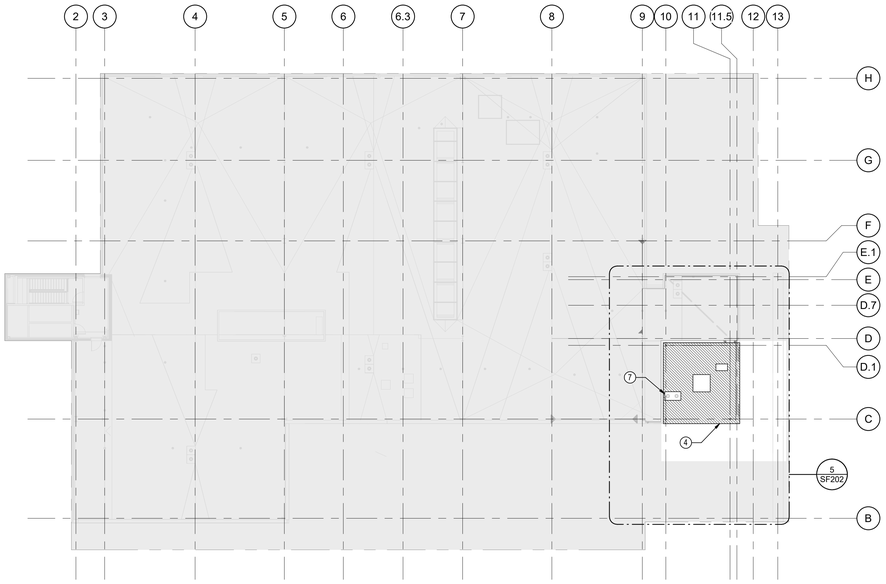
DRAWING # 07 OF 74

Veterans Health Administration

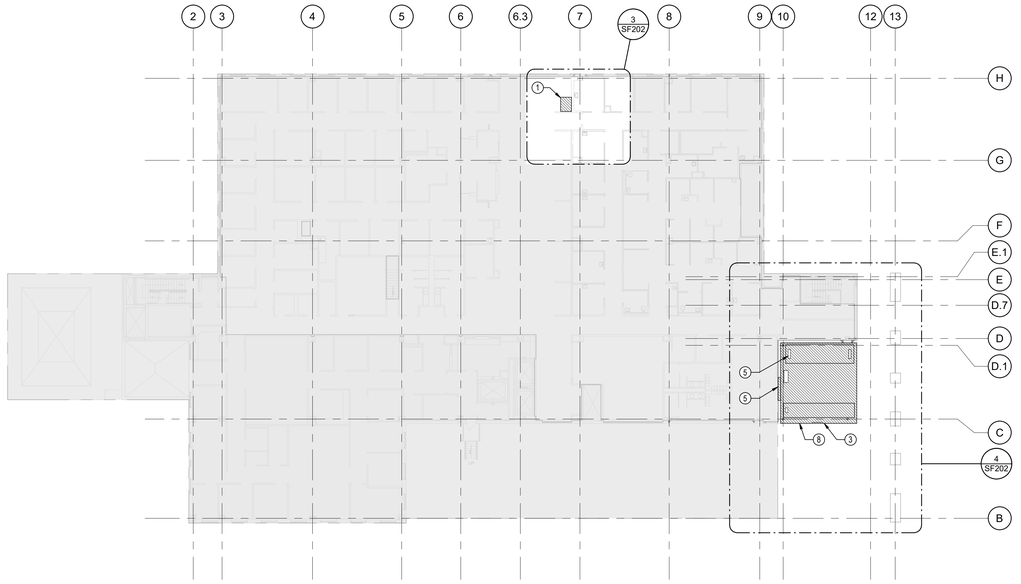
VA | U.S. Department of Veterans Affairs

5/27/2026 12:23:40 AM

VA FORM 08-6231



N 4 ROOF - ENLARGED FRAMING PLAN AT MECHANICAL PENTHOUSE
SCALE: 3/64" = 1'-0"



N 2 LEVEL 3 - OVERALL REFERENCE PLAN
SCALE: 3/64" = 1'-0"

GENERAL SHEET NOTES

A. REFERENCE SHEET SA000 FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES FOR APPLICABILITY.

B. SEE ARCHITECTURAL DRAWINGS FOR DETAILS & DIMENSIONS NOT SHOWN.

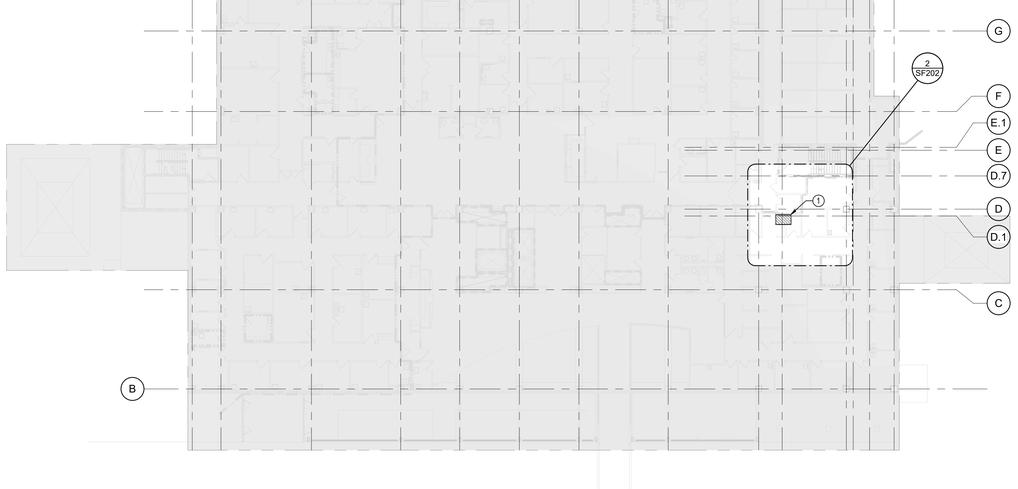
C. ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS SHOWN ARE TAKEN FROM THE EXISTING CONSTRUCTION PLANS DATED JANUARY 13, 2017. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS AND NOTIFY THE CONTRACTING OFFICER OF ALL DISCREPANCIES PRIOR TO COMMENCING THE WORK.

D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SHORE ANY EXISTING STRUCTURE IN A MANNER AS NEEDED THAT WILL PREVENT FAILURE OR DAMAGE TO THE REMAINING STRUCTURES.

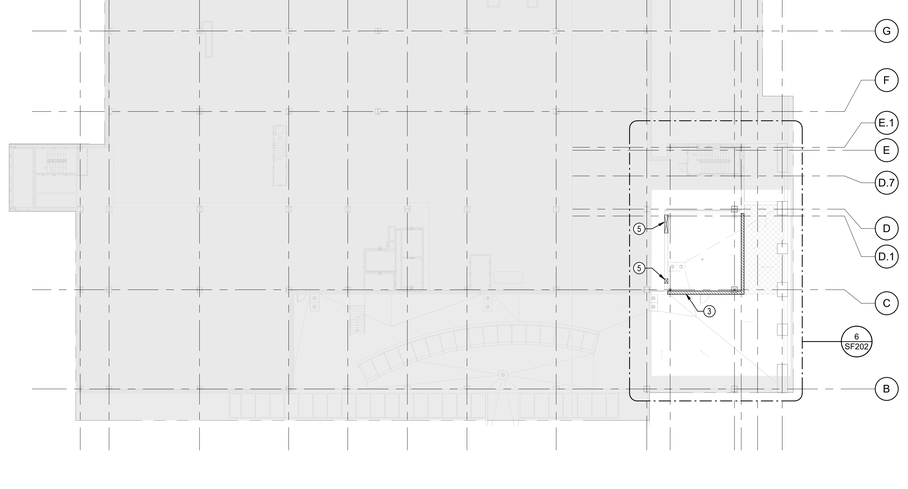
E. CONTRACTOR TO PROVIDE TEMPORARY COVERS (SUCH AS SHEETING, TARPS, OR OTHER PROTECTIVE MATERIALS) ON THE EXISTING BUILDING IN ORDER TO PROTECT THE REMAINING INTERIOR PORTION OF THE BUILDING FROM WEATHER AND ELEMENTS AT ALL TIMES DURING CONSTRUCTION.

(#) PLAN NOTES:

1. NEW FLOOR OPENING IN EXISTING FLOOR. DO NOT CUT INTO CONCRETE JOIST RIBS OR CONCRETE BEAM.
2. NEW AHU 10 HOUSEKEEPING PAD.
3. NEW ENCLOSURE.
4. NEW ROOF.
5. WALL PENETRATION. NEW OPENINGS IN EXISTING WALL.
6. OPENINGS IN NEW FLOOR, TYP.
7. OPENINGS IN NEW ROOF, TYP.
8. OPENING IN NEW WALL.

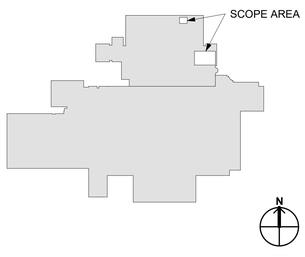


N 1 LEVEL 2 - OVERALL REFERENCE PLAN
SCALE: 3/64" = 1'-0"



N 3 INTERSTITIAL LEVEL - OVERALL REFERENCE PLAN
SCALE: 3/64" = 1'-0"

KEY PLAN



FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
HOUSTON, TX 77008
(713) 864-2900

MECH/ELEC/PLUMB/TECH ENGINEER
SPUR DESIGN
312 SW 25TH STREET
OKLAHOMA CITY, OK 73109
(405) 842-6100

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DRAWING TITLE
OVERALL REFERENCE PLANS - LEVELS 2, INTERSTITIAL, AND 3

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SA102**

DRAWING # 08 OF 74

Veterans Health Administration

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N

1 BASEMENT LEVEL - FOUNDATION PLAN

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

GENERAL SHEET NOTES

A. REFERENCE SHEET SA001 FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES & DETAILS FOR APPLICABILITY.

B. SEE ARCHITECTURAL DRAWINGS FOR DETAILS & DIMENSIONS NOT SHOWN.

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(E) **FOUNDATION PLAN NOTES**

1. NEW AHU 10 - 5000 lbs (MAX), RE: MEP

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
HOUSTON, TX 77008
(713) 864-2900

MECH/ELEC/PLUMB/TECH ENGINEER
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DRAWING TITLE
FOUNDATION PLAN

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SF201**

DRAWING # 09 OF 74

Veterans Health Administration

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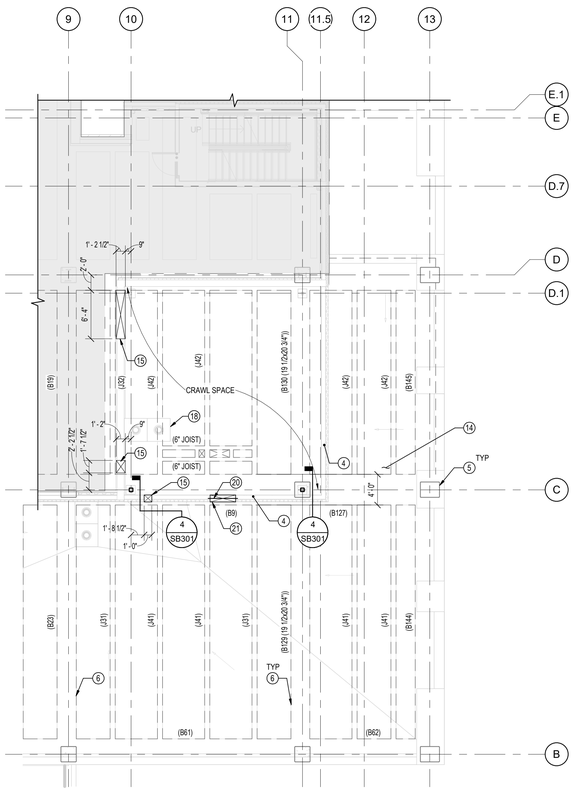
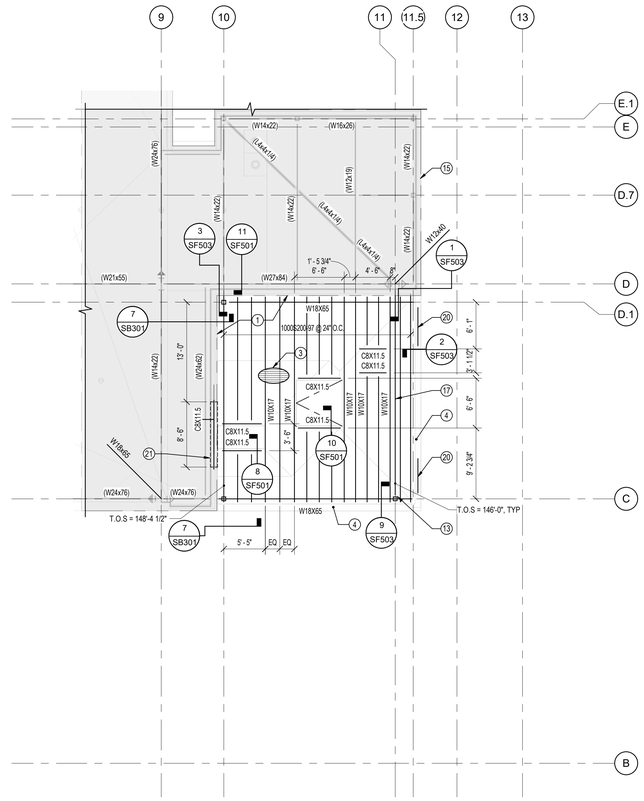
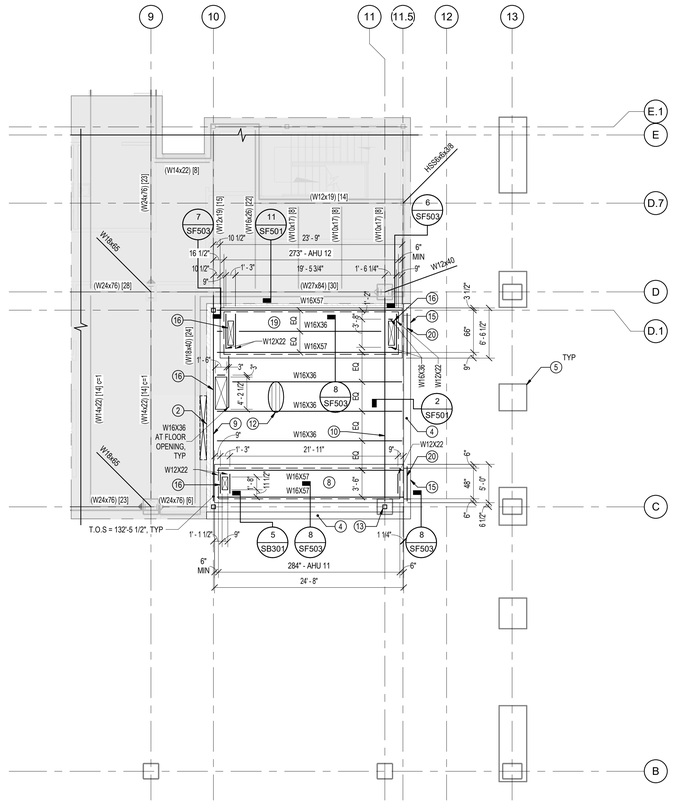
VA FORM 08-6231







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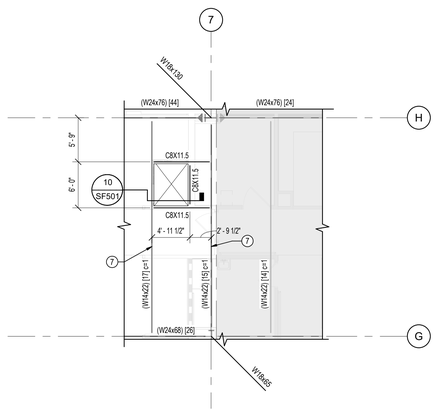
(#) FRAMING PLAN NOTES:

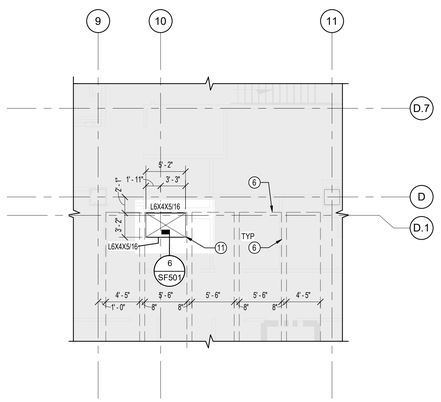
1. NEW COLD FORMED LEDGER CHANNEL ATTACHED TO EXISTING WALL.
2. NEW LINTEL. SEE DETAIL 5 / SF502
3. 1 1/2" 18 GAUGE B-DECK W/ INSULATION.
4. NEW STEEL STUD WALL W/ 600S200-54 STUDS @16" O.C.
5. EXISTING COLUMN.
6. EXISTING GRADE BEAM.
7. EXISTING JOIST (LOCATIONS TBD)
8. NEW AHU 11 - 4900 lbs (MAX).
9. NEW W24X76 BEAM
10. NEW BEAM W24X76 BEAM BELOW. SEE DETAIL 5 / SF503 .
11. NEW REINFORCED SLAB OPENING.
12. 3"X20 GAUGE COMPOSITE B-DECK W/ 5 1/2" TOTAL DEPTH CONCRETE.
13. NEW COLUMN TO MATCH EXISTING BELOW TO EXTEND UP TO NEW ROOF FRAMING.
14. EXISTING ROOF.
15. WALL PENETRATION.
16. FLOOR PENETRATION.
17. W14X30 BEAM BELOW.
18. EXISTING ROOF DRAIN TO BE REMOVED.
19. NEW AHU 12 - 5800 lbs (MAX).
20. (2) 600S200-54 FF BOX BEAM. SEE DETAIL 4 / SF502 .
21. NEW ACCESS DOOR OPENING. SEE DETAIL 5 / SF502 .

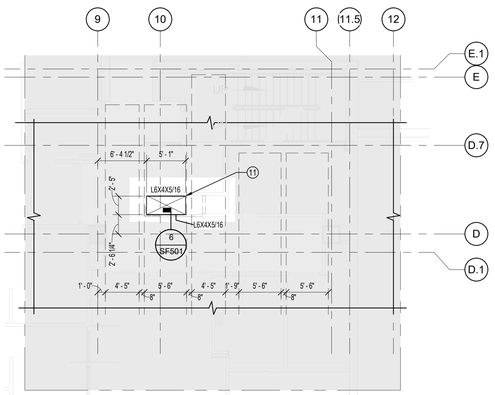
N 6 INTERSTITIAL LEVEL - ENLARGED REFERENCE PLAN
SCALE: 1/8" = 1'-0"

N 5 LEVEL 3 - ENLARGED ROOF FRAMING PLAN AT MECHANICAL PENTHOUSE
SCALE: 1/8" = 1'-0"

N 4 LEVEL 3 - ENLARGED FRAMING PLAN AT MECHANICAL PENTHOUSE
SCALE: 1/8" = 1'-0"







N 3 LEVEL 3 - ENLARGED FRAMING PLAN
SCALE: 1/8" = 1'-0"

N 2 LEVEL 2 - ENLARGED FRAMING PLAN
SCALE: 1/8" = 1'-0"

N 1 LEVEL 1 - ENLARGED FRAMING PLAN
SCALE: 1/8" = 1'-0"

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
HOUSTON, TX 77008
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DRAWING TITLE
ENLARGED FRAMING PLANS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SF202**

DRAWING # 10 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 12:23:43 AM

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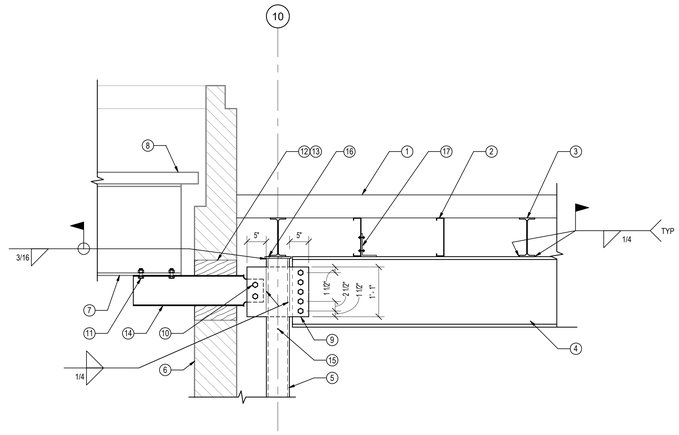
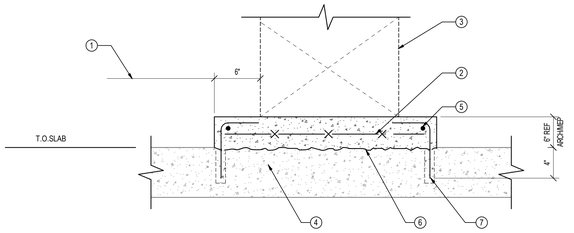


1. ROOF, PER PLAN.
2. 1000S200-97 JOIST @ 24" O.C.
3. W10X17 @ ROOF OPENING.
4. W18X65.
5. HSS6X6X1/2 POST.
6. EXISTING WALL.
7. EXISITNG BEAM PER PLAN.
8. EXISTING DECK, SEE AS BUILT.
9. EXTEND CONN PLATE THRU COLUMN, W/ (5) 3/4"Ø A325 BOLTS 2 1/2" APART.
10. COPE THE FLANGE W/ (2) 3/4"Ø A325 BOLTS 3" APART.
11. W8X10 TOP CONNECTION TO EXIST, BOTTOM WEB BY (2) BOLTS EA SIDE OF THE WEB W/ 3/4"Ø A325.
12. FIRE BLOCK.
13. CUT OPENING IN PRECAST WALL. CORE DRILL CORNERS AND DO NOT OVERCUT.
14. W8X10
15. 1/4" DIAMETER AIR PRESSURE RELIEF HOLE.
16. 7"X7"X1/2" CAP PLATE.
17. PURLIN TO BEAM CLIP, SEE DETAIL 1 / SF501 .

7 CONNECTION AT ROOF LEVEL, GRID C AND 10
NTS

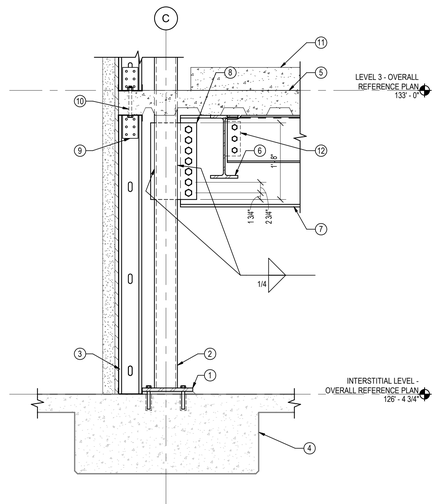


1. MIN CLEARANCE BEYOND MECHANICAL UNIT SKID, ALL AROUND. COORDINATE WITH M&E AND SEISMIC RESTRAINT SUPPLIER.
2. #4 BARS @12" O.C. EA. WAY.
3. MECHANICAL/ ELECTRICAL UNIT (WHERE APPLICABLE).
4. EXISTING SLAB ON GRADE.
5. #4 BAR CONT. ALL AROUND.
6. ROUGHEN EXISTING SLAB IN AREA OF POUR.
7. INSERT AND EPOXY #3 DOWELS W/ STANDARD HOOK @ 16" O.C. AROUND PERIMETER OF NEW PAD

GENERAL HOUSEKEEPING PAD NOTES:

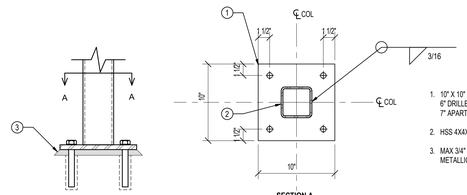
- HOOK AT EACH END, ALL AROUND.
- FOR PAD SIZES AND LOCATIONS, SEE MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS.
- DOWELS CAN BE POST INSTALLED AND EMBEDDED 100 (4") DEEP USING HILTI ADHESIVE SYSTEM.
- IF SEISMIC RESTRANT ELEMENTS ARE SUBJECT TO UPLIFT, ANCHORAGE TO BE PROVIDED INTO THE BASE SLAB, NEGLECTING THE PORTION OF THE ANCHORS WITHIN THE PAD. COORDINATE SEISMIC ANCHORAGE WITH EQUIPMENT SEISMIC RESTRAINT SUPPLIER PRIOR TO POUR.

6 HOUSEKEEPING PAD
NTS



1. 14" X 14" X 5/8" PLATE WITH (4) 3/4" X 6" DRILLED AND EPOXIED ANCHORS 7" APART. FIELD DRILL ANCHOR HOLES
2. HSS 6X6X1/2".
3. STUD, PER PLAN.
4. EXISTING CONCRETE BEAM PER PLAN.
5. B-DECK PER PLAN.
6. W16X57 TO SUPPORT AHU UNIT.
7. W24X76 PER PLAN.
8. 12" X 20" KNIFE PL W/ (7) 1" Ø. A325 BOLTS 2 3/4" APART.
9. STIFF CLIP L8600 WITH (3) #12 SCREWS.
10. 5/8" THROUGH BOLT.
11. HOUSKEEPING PAD FOR NEW AHU, SEE DETAIL 6 / SB301.
12. 9"X4"X3/8" SHEAR TAB W/ (3) 3/4" DIAMETER A325 BOLTS AT 3" SPACING.

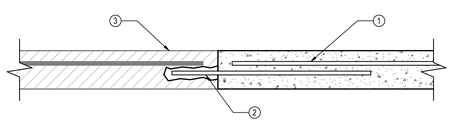
5 CONNECTION AT FLOOR LEVEL, GRID C AND 10
NTS



SECTION A

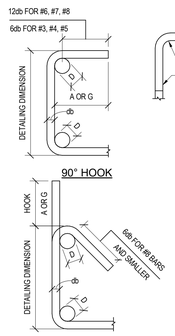
1. 10" X 10" X 5/8" PLATE WITH (4) 3/4" X 6" DRILLED AND EPOXIED ANCHORS 7" APART
2. HSS 4X4X1/4".
3. MAX 3/4" NON-SHRINK NON-METALLIC GROUT.

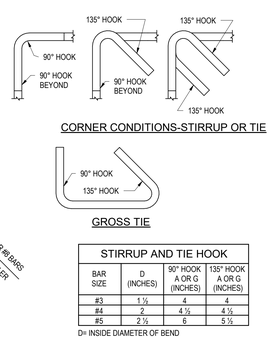
4 TYPICAL TUBE COLUMN BASE PLATE DETAIL
NTS



1. MATCH EXISTING SLAB DEPTH AND REINFORCEMENT.
2. #4 DOWEL @ 12" OC (EMBED 6" MIN INTO EXISTING SLAB USING HILTI HY-200 ANCHORAGE SYSTEM. (INSTALL PER MANUFACTURER'S RECOMMENDATIONS.)
3. EXISTING SLAB AND REINFORCEMENT.

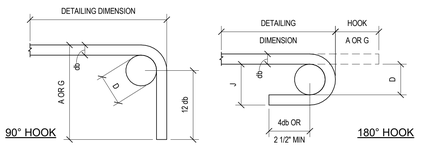
3 SLAB REPAIR DETAIL
NTS





STIRRUP AND TIE HOOK			
BAR SIZE	D (INCHES)	90° HOOK A OR G (INCHES)	135° HOOK A OR G (INCHES)
#3	1 ½	4	4
#4	2	4 ½	4 ½
#5	2 ½	6	5 ½

D= INSIDE DIAMETER OF BEND



END HOOK DIMENSIONS				
BAR SIZE	FINISHED BEND DIAMETER D, (INCHES)	180 ° HOOKS		90° HOOK
		A OR G' (INCHES)	J, (INCHES)	A OR G' (INCHES)
#3	2 ¼	5	3	6
#4	3	6	4	8
#5	3 ¼	7	5	10
#6	4 ½	8	6	12
#7	5 ¼	10	7	14
#8	6	11	8	16
#9	9 ½	15	11 ¾	19
#10	10 ¾	17	13 ¼	22
#11	12	19	14 ¾	24
#14	18 ¼	27	21 ¼	31
#18	24	36	28 ½	41

D= INSIDE DIAMETER OF BEND

2 TYPICAL STIRRUP AND TIE HOOK TYPES
NTS

1 TYPICAL END HOOK TYPES
NTS

FULLY SPRINKLERED

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No.	REVISION DESCRIPTION	DATE

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

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MISSOURI
REGISTRATION NO.
PE-2016034676
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PURPOSES

DRAWING TITLE
FOUNDATION SECTIONS AND DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER
589A4-25-102

BUILDING NUMBER
1

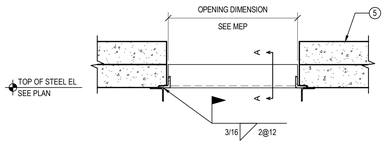
DRAWING NUMBER
SB301

DRAWING # 11 OF 74

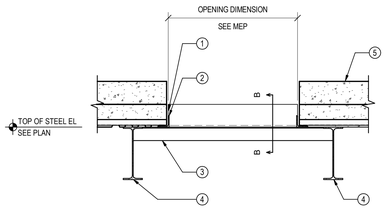
Veterans Health Administration
VA U.S. Department of Veterans Affairs

5/27/2026 12:23:43 AM

VA FORM 08-6231



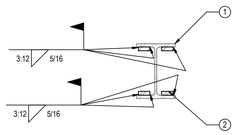
SECTION B-B



SECTION A-A

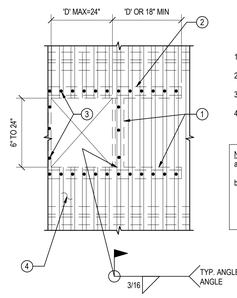
1. SEE ARCH DWGS FOR CURB DETAILS, TYP
2. L3X3X1/4" CONT CLOSURE ANGLE FRAME W/ POURSTOP
3. L3 1/2X3 1/2X1/4" NEAR SIDE & FAR SIDE OF OPENING
4. STEEL BEAM, SEE PLAN
5. CONCRETE HOUSEKEEPING PAD WHERE APPLICABLE.

9 TYPICAL FRAMING AT FLOOR OPENING
NTS



1. EXISTING BEAM.
2. 3X1XCONT. PLATE AT MIDDLE HALF OF BEAM SPAN.

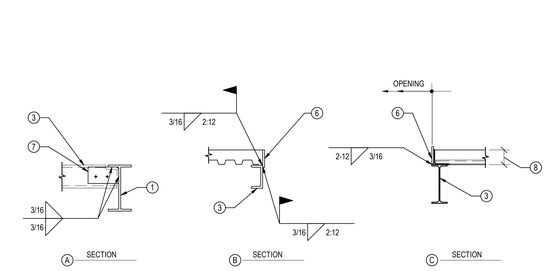
11 REINFORCING EXISTING FRAMING
NTS



1. ANGLE 2 1/2X2 1/2X1/4, TYP.
2. SUPPORTING MEMBERS, SEE PLAN.
3. PUDDLE WELD EACH VALLEY OR 6" OC.
4. STEEL DECK, SEE PLAN.

NOTES:
a. USE THIS DETAIL WHERE ANY OPENING DIMENSION IS 6" TO 24"
b. IF 'D' IS LESS THAN 6" SPECIAL FRAMING SHOWN IS NOT REQD. SIZE OF OPENING IS LIMITED TO 24"X24" MAX. SEE DETAIL FOR LARGER OPENINGS & CLOSURE DETAILS. FOR CURBS, SEE ARCH & MECH DWGS.

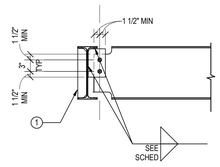
8 OPENING IN STEEL DECK - 24" MAX
NTS



1. FRAMING MEMBER, SEE PLAN.
2. STEEL DECK, SEE PLAN.
3. BEAM PER PLAN.
4. 1/2"Ø. PUDDLE WELD AT EACH BEARING AND AT 12" O.C. PARALLEL TYPICAL
5. CLOSURE PL 1/4" ALL AROUND
6. PL 3/8" WITH (2) 3/4"Ø BOLTS
7. SEE PLAN OR ARCH. FOR DIMENSION WHERE CONCRETE SLAB OCCURS

NOTES:
a. USE THIS DETAIL WHERE LONG OPENING DIMENSION EXCEEDS 24" UP TO AND INCLUDING LONG OPENING DIMENSION OF 60"
b. DETAILS ARE SIMILAR WHERE OTHER STEEL SIZES AND SHAPES MAY BE SHOWN ON THE PLANS

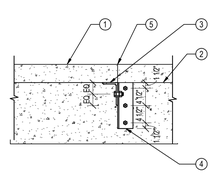
10 OPENING IN STEEL DECK - GREATER THAN 24"
NTS



1. PROVIDE PARTIAL HEIGHT STIFF. PLATE (THICKNESS TO MATCH THICKNESS OF SHEAR PLATE) THIS SIDE FOR 6 OR 7 BOLT CONNECTIONS

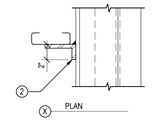
NOTE:
SEE DETAIL 1 / SF502 FOR BOLTS, WELDING, SHEAR PLATE ETC.

7 BEAM TO BEAM CONNECTION - 1-SIDED
NTS



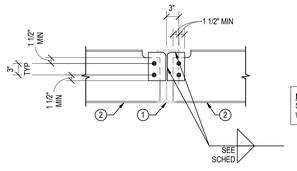
1. EXISTING FLOOR SLAB.
2. EXISTING CONCRETE RIB.
3. L6X4X5/16 LONG LEG VERTICAL W/ (1) 3/4" DIAMETER A325 BOLT AT EACH END OF OPENING.
4. L6X4X5/16 SHORT LEG AGAINST CONCRETE JOIST W/ (3) 1/2" DIAMETER X 3" LONG DRILLED & EPOXIED ANCHORS.
5. CORE CORNERS OF OPENING PRIOR TO SAW CUTTING, DO NOT OVERCUT.

6 REINFORCED SAW CUT OPENING IN EXISTING FLOOR
NTS



1. STEEL STUD.
2. 12 GAGE CLIP ANGLE
3. BENT PLATE AND STEEL BEAM OR OTHER SIMILAR SUPPORT.
4. OPTIONAL #12 SELF TAPPING SCREWS IN LIEU OF WELDING CLIP ANGLE TO STUD (4 SCREWS AS SHOWN).

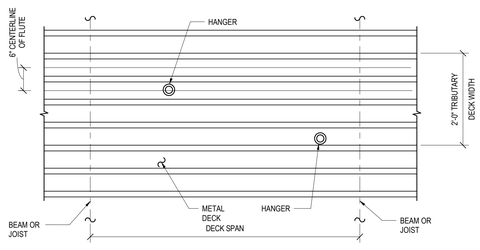
5 TYPICAL CLIP ANGLE CONNECTION
NTS



1. EXISTING BEAM
2. NEW BEAM, SEE PLAN.

NOTE:
SEE DETAIL 1 / SF502 FOR BOLTS, WELDING, SHEAR PLATE ETC.

4 BEAM TO BEAM - 2-SIDED
NTS



1. METAL DECK HAS THE CAPACITY TO SUPPORT THE HEAVY DUTY CEILING CLASSIFICATION OF THE UBC STANDARD 25-2. ANY SPECIAL HANGER SITUATIONS SHALL BE REVIEWED ON A CASE BY CASE BASIS.
2. THE CLASSIFICATION ON NOTE 1 ALLOWS FOR LOADS CONSISTING OF A SUSPENDED CEILING SYSTEM, LIGHTS, AIR DIFFUSERS & MISC LIGHTWEIGHT CEILING FIXTURES. THE TOTAL WEIGHT SHALL NOT EXCEED 4 PSF USING A TRIBUTARY AREA CALCULATED AS THE DISTANCE BETWEEN DECK SUPPORT POINTS TIMES A TWO FOOT STRIP.
3. A 50 LBS (MAX) SHALL BE SUPPORTED BY EACH HANGER.
4. ALL PIPING, DUCT WORK, & ELECTRICAL CONDUITS, ETC., SHALL BE SUPPORTED FROM THE ROOF BEAMS/ JOIST & NOT FROM THE DECK.
5. ALL CEILING WIRES SHALL BE CONNECTED TO THE METAL DECK BY AN APPROVED SMACNA DETAIL.

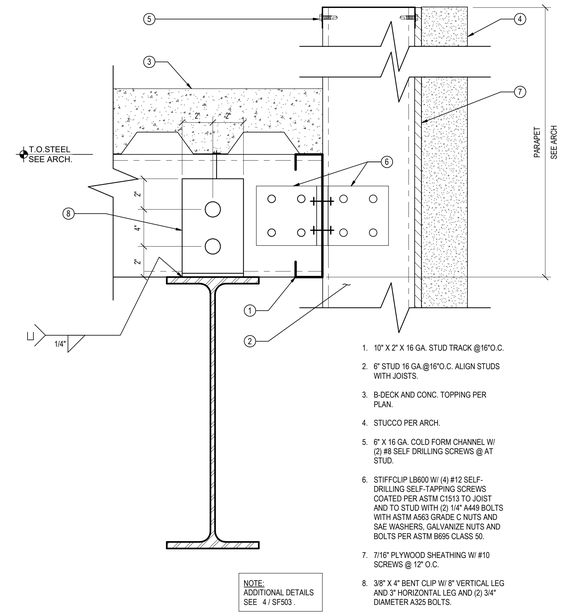
SAMPLE CALCULATIONS:
TRIBUTARY WEIGHT SUSPENDED FROM DECK < 4 PSF

TRIBUTARY WEIGHT= HANGER LOADS WITHIN TWO FEET DECK WIDTH / TWO FT DECK WIDTH x DECK SPAN

SAY DECK SPAN= 8'-0" AND TWO HANGER LOADS AT 30 LBS EACH

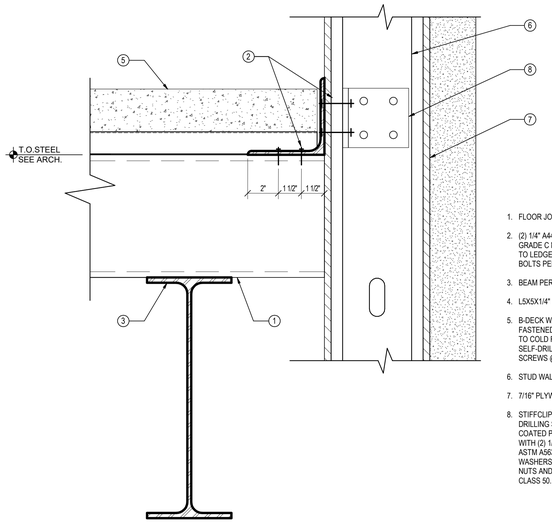
TRIBUTARY WEIGHT= 30 LBS x 2 HANGERS / 2 FT x 8 FT
= 3.75 PSF < 4.0 PSF (OK)

3 SUSPENDED LOADS ON METAL DECK - PLAN
NTS



1. 10" X 2" X 16 GA. STUD TRACK @16"O.C.
2. 6" STUD 16 GA.@16"O.C. ALIGN STUDS WITH JOISTS.
3. B-DECK AND CONC. TOPPING PER PLAN.
4. STUCCO PER ARCH.
5. 6" X 16 GA. COLD FORM CHANNEL W/ (2) #8 SELF DRILLING SCREWS @ AT STUD.
6. STIFFCLIP LB600 W/ (4) #12 SELF-DRILLING SELF-TAPPING SCREWS COATED PER ASTM C1513 TO STUD AND TO STUD WITH (2) 1/4" A449 BOLTS WITH ASTM A563 GRADE C NUTS AND SAE WASHERS, GALVANIZE NUTS AND BOLTS PER ASTM B695 CLASS 50.
7. 7/16" PLYWOOD SHEATHING W/ #10 SCREWS @ 12" O.C.
8. 3/8" X 4" BENT CLIP W/ 8" VERTICAL LEG AND 3" HORIZONTAL LEG AND (2) 3/4" DIAMETER A325 BOLTS.

NOTE:
ADDITIONAL DETAILS SEE 4 / SF503 .



1. FLOOR JOIST PER PLAN.
2. (2) 1/4" A449 BOLTS WITH ASTM A563 GRADE C NUTS AND SAE WASHERS TO LEDGER, GALVANIZE NUTS AND BOLTS PER ASTM B695 CLASS 50.
3. BEAM PER PLAN.
4. L5X5X1/4" LEDGER ANGLE.
5. B-DECK W/ INSULATION PER PLAN. FASTENED TO LEDGER ANGLE AND TO COLD FORMED JOIST W/ #10 SELF-DRILLING SELF-TAPPING SCREWS @ 6" O.C.
6. STUD WALL PER PLAN.
7. 7/16" PLYWOOD SHEATHING.
8. STIFFCLIP LB600 W/ (4) #12 SELF-DRILLING SELF-TAPPING SCREWS COATED PER ASTM C1513 TO STUD WITH (2) 1/4" A449 BOLTS WITH ASTM A563 GRADE C NUTS AND SAE WASHERS TO LEDGER, GALVANIZE NUTS AND BOLTS PER ASTM B695 CLASS 50.

2 FLOOR FRAMING TO WALL CONNECTION
NTS

1 ROOF FRAMING TO WALL CONNECTION
NTS

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PURPOSES

DRAWING TITLE
FRAMING SECTIONS AND DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

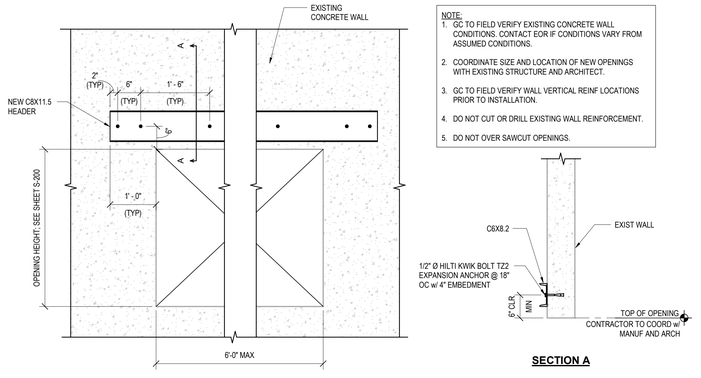
BUILDING NUMBER 1

DRAWING NUMBER
SF501
DRAWING # 12 OF 74

Veterans Health Administration
VA | U.S. Department of Veterans Affairs

5/27/2026 12:23:44 AM

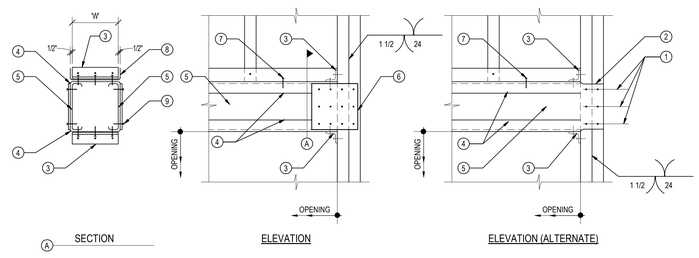
VA FORM 08-6231



NOTE:
1. GC TO FIELD VERIFY EXISTING CONCRETE WALL CONDITIONS. CONTACT EOR IF CONDITIONS VARY FROM ASSUMED CONDITIONS.
2. COORDINATE SIZE AND LOCATION OF NEW OPENINGS WITH EXISTING STRUCTURE AND ARCHITECT.
3. GC TO FIELD VERIFY WALL VERTICAL REINF LOCATIONS PRIOR TO INSTALLATION.
4. DO NOT CUT OR DRILL EXISTING WALL REINFORCEMENT.
5. DO NOT OVER SAWCUT OPENINGS.

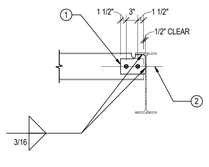
SECTION A

5 CHANNEL LINTEL AT WALL OPENING
NTS



1. PROVIDE (6) #10 S.M.S. NS & FS. USE (8) #10 S.M.S. NS & FS FOR 8" OR LARGER BOX HEADER.
2. CUT STUD FLANGE & RUN WEBS OVER JAMB.
3. ANGLE 1 1/2X 1 1/2X 16GA W/ (6) #10 S.M.S. TY. EITHER SIDE OF TRACK WEB.
4. TRACKS
5. STUDS
6. PLATE 6"X16GA W/ (12) #10 S.M.S. EACH SIDE OF HEADER. USE (16) #10 S.M.S. EACH SIDE OF HEADER FOR 8" OR LARGER BOX WITH HEADER.
7. (2) #10 S.M.S. AT 16" OC, TYP.
8. LOCATE OF 3RD TRACK, WHERE SPECIFIED.
9. #10 S.M.S. AT 12" OC.
10. JAMB

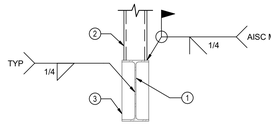
4 TYPICAL METAL STUD HEADER
NTS



1. PL 3/8"X3" AT 4" AND 5" BEAMS AND PL 3/8"X4" AT 6" AND 7" BEAMS
2. (2) 3/4"Ø A325 BOLTS ON CENTERLINE OF BEAM

NOTE:
SEE DETAIL 1 / SF502 FOR BOLTS, WELDING, SHEAR PLATE ETC.

3 BEAM - 4" TO 7"
NTS



1. EXISTING W BM, SEE PLAN.
2. HSS COL, SEE PLAN.
3. 3/8" STIFFENER PLATE.

2 TYPICAL PIPE OR TUBE POST UP COL ON BM
NTS

BEAM CONNECTION SCHEDULE FOR MEMBER CARRYING ROOFING MATERIAL				
BEAM DEPTH	BOLTS No. AND SIZE	SHEAR PLATE THICKNESS	SIZE OF FILLET WELD	REMARKS
8" - 10"	(2) 3/4"	3/8	5/16	
12" - 14"	(3) 3/4"	3/8	5/16	
16"	(4) 3/4"	3/8	5/16	
18"	(5) 3/4"	3/8	5/16	
21"	(6) 3/4"	3/8	5/16	
24"	(7) 1"	1/2	3/8	
27"	(8) 1"	1/2	3/8	
30" - 33"	(8) 1"	1/2	3/8	

BEAM CONNECTION SCHEDULE FOR MEMBER CARRYING HARD ROCK CONCRETE (i.e. COMPOSITE BEAMS)				
BEAM DEPTH	BOLTS No. AND SIZE	SHEAR PLATE THICKNESS	SIZE OF FILLET WELD	REMARKS
8" - 10"	2 - 1"	3/8	5/16	
12" - 14"	3 - 1"	3/8	5/16	
16"	4 - 1"	3/8	5/16	
18"	5 - 1"	3/8	5/16	
21"	6 - 1"	3/8	5/16	
24"	7 - 1"	1/2	3/8	
27"	8 - 1"	1/2	3/8	
30" - 33"	8 - 1"	1/2	3/8	

NOTES:
1. (1) ALL 3/4" BOLTS SHALL BE A325-N. ALL 1" BOLTS SHALL BE A490-N, UNLESS NOTED OR DETAILED OTHERWISE.
2. INDICATED ON PLANS IS SLIP CRITICAL CONNECTIONS. SEE GENERAL NOTES SECTION F NOTE 25.
3. AT BRACED FRAMES ALL BOLTS SHALL BE 1" DIA A490 (1) BOLTS WITH 1/2" SHEAR PLATE AND 3/8" FILLET WELD.

1 BEAM CONNECTION SCHEDULE
NTS

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VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SF502**

DRAWING # 13 OF 74

Veterans Health Administration

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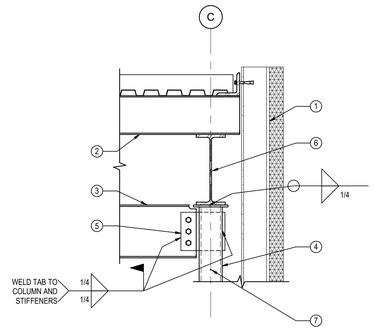
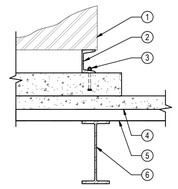


1. 6" STUD WALL.
2. W10X17 BEAM.
3. W14X30 BEAM.
4. HSS6X6X1/2 COLUMN.
5. 1/2" KNIFE PLATE W/ (3) 3/4" Ø BOLTS A325.
6. W18X65 BEAM.
7. 1/4" Ø PRESSURE RELIEF HOLE.

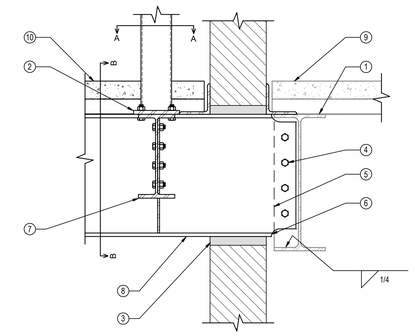
NOTE:
ADDITIONAL DETAIL NOTES. SEE 1 / SF503, 3 / SF503 .

9 CONNECTION AT ROOF LEVEL AT GRID C AND 11
NTS



1. EQUIPMENT PER MECH.
2. CURB PER EQUIP. SUPPLIER.
3. SEISMIC ANCHORAGE PER EQUIP. SUPPLIER.
4. CONCRETE SLAB PER PLAN.
5. B-DECK PER PLAN.
6. BEAM PER PLAN.
7. HOUSEKEEPING PAD, SEE DETAIL 6 / SB301.

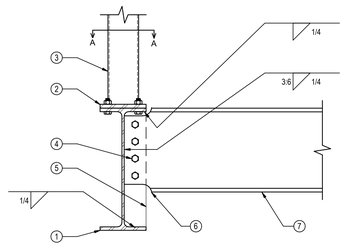
8 AHU CURB TO HOUSEKEEPING PAD
NTS



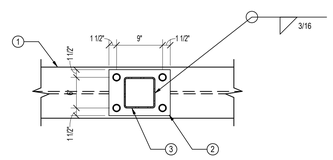
1. EXISTING W27X84 BEAM, SEE PLAN.
2. 9"X12"X3/4" PL W/ (4) 3/4" Ø A325 BOLTS.
3. FIRE BLOCK.
4. (4) A325 BOLTS.
5. 3/8" STIFFENER.
6. 5"X1 1/2" COPE, TOP & BOTTOM FLANGE.
7. W16X57 BEAM.
8. W24X76 BEAM.
9. EXISTING DECK.
10. NEW DECK. NEW DECK, SEE PLAN.

NOTE:
SEE SECTIONS ON DETAIL 6 / SF503 .

7 CONNECTION AT FLOOR LEVEL AT GRID 10 AND D.1
NTS



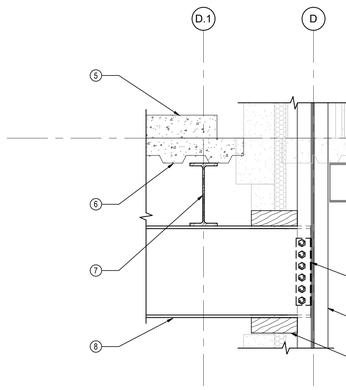
SECTION B



SECTION A

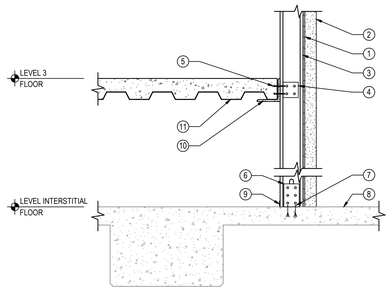
1. W27X84 BEAM, SEE PLAN.
2. 9"X12"X3/4" PL W/ (4) 3/4" Ø A325 BOLTS.
3. HSS COLUMN SUPPORTED BY W27X84.
4. (4) A325 3/4" Ø BOLTS.
5. 3/8" STIFFENER.
6. 5"X1 1/2" COPE, TOP & BOTTOM FLANGE.
7. W16X57 BEAM.

6 POST TO BEAM CONNECTION
NTS



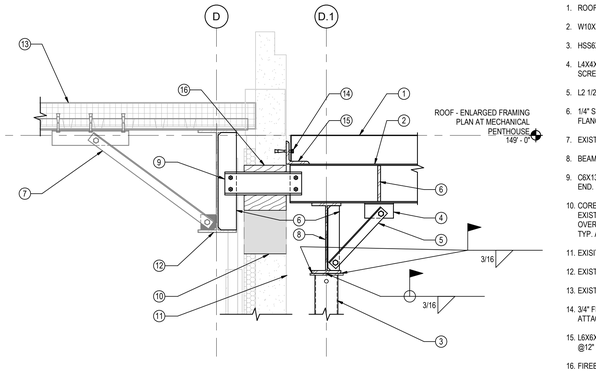
1. EXISTING DECK.
2. EXISITNG BEAM, SEE PLAN.
3. EXISTING COLUMN, SEE PLAN.
4. FIRE BLOCK FOR WALL OPENING.
5. AHU 12 PAD.
6. ROOF DECK, SEE PLAN.
7. W16X57 BEAM.
8. W24X76 BEAM.
9. W FLANGE TO EXISITNG W COLUMN, CLIP ANGLE.

5 CONNECTION AT GRID D AND 11
NTS



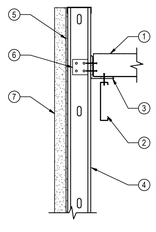
1. 7/16" PLYWOOD SHEATHING.
2. STUCCO PER ARCH.
3. STUDS PER PLAN.
4. STIFF CLIP LB362 WITH (2) #12 SCREWS.
5. (2) 1/4" A325 BOLTS WITH ASTM A563 GR. C NUTS & SAE WASHERS.
6. STIFF CLIP LB600 WITH (3) #12 SCREWS.
7. (2) 1/4" Ø X3" WEDGE ANCHORS.
8. EXISTING ROOF SLAB.
9. C600T20-GA TRACK.
10. L4X4X1/4 ANGLE.
11. NEW CONCRETE FLOOR DECK PER PLAN.

4 STUD WALL TO FLOOR CONNECTION
NTS



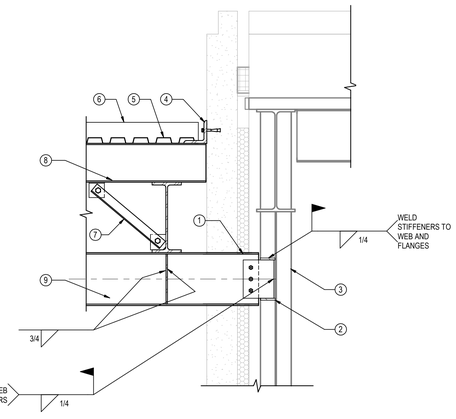
1. ROOF DECK PER PLAN.
2. W10X17 BEAM.
3. HSS6X6X1/4 COLUMN.
4. L4X4X3/16 W/ (4) #10 SELF DRILLING SCREWS TO COLD FORMED JOIST.
5. L2 1/2X2 1/2X1/4 W/ 3/4" DIA. A325 EA. END.
6. 1/4" STIFF. 3/16" FILLET WELD ONE SIDE TO FLANGES AND WEB, 3.12 TO WEB.
7. EXISTING BRACE.
8. BEAM PER PLAN.
9. C6X13 @ 4" O.C. W/ (2) 1/2" DIA. A490 EA. END.
10. CORE CORNERS OF ACCESS HOLE IN EXISTING PRECAST CONCRETE. DO NOT OVER CUT BEYOND CORED CORNERS, TYP. ALL ACCESS HOLES.
11. EXISITNG WALL.
12. EXISTING W27X84.
13. EXISTING DECK.
14. 3/4" FELT EXPANSION JOINT. DO NOT ATTACH DECK TO LEDGER ANGLE.
15. L6X6X1/4" W/ 1/2"X3" EXPANSION ANCHOR @12" O.C.
16. FIREBLOCK.
17. 1/4" PRESSURE RELIEF HOLE.
18. 9"X9"X1/2" CAP PLATE.

3 CONNECTION AT ROOF LEVEL AT GRIDS D.1 AND 10
NTS



1. ROOF DECK PER PLAN W/ #10 SCREWS @ 6" O.C EA. JOIST.
2. ROOF JOIST PER PLAN.
3. 1/2" DIA. PUDDLE WELD @6" O.C. TO L6X6X1/2" HOT-DIP GALVANIZED LEDGER ANGLE PER ASTM 123.
4. 600S200-54 STUDS @16" O.C.
5. 7/16" PLYWOOD SHEATHING W/ #10 SCREWS @12" O.C.
6. STIFFCLIP LB600 W/ (4) #12 SELF-DRILLING SELF-TAPPING SCREWS COATED PER ASTM C1513 TO STUD WITH (2) 1/4" A449 BOLTS WITH ASTM A563 GRADE C NUTS AND SAE WASHERS TO LEDGER, GALVANIZE NUTS AND BOLTS PER ASTM B695 CLASS 50.
7. STUCCO COATING PER ARCH.

2 NEW ROOF AT NEW STUD WALL
NTS



1. SHEAR TAB 10 X 8 X 1/2" W/ (3) 3/4" Ø BOLTS.
2. 1/2" FULL DEPTH STIFFENERS T & B.
3. EXISTING COLUMN W12X40.
4. L6X6X1/4" W/ 1/2"X3" EXPANSION ANCHOR @ 12" O.C. 3/4" FELT EXPANSION JOINT. DO NOT ATTACH DECK TO LEDGER ANGLE.
5. 1 1/2" B-DECK, REF ROOF PLAN.
6. FOAM INSULATION.
7. L2 1/2 X 2 1/2 X 1/4 BRACING W/ 3/4" Ø BOLTS.
8. W10X17 BEAM.
9. W14X30 BEAM.

1 CONNECTION AT ROOF LEVEL AT GRID 11 AND D
NTS

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
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1225 NORTH LOOP WEST, SUITE 800
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PHONE NUMBER

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

TOD J. HENNING, P.E.
MISSOURI
REGISTRATION NO.
PE-2016034876
INTERIM SUBMITTAL
NOT FOR
CONSTRUCTION
PURPOSES

DRAWING TITLE
FRAMING SECTIONS AND DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED AEH | DRAWN NT

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **SF503**

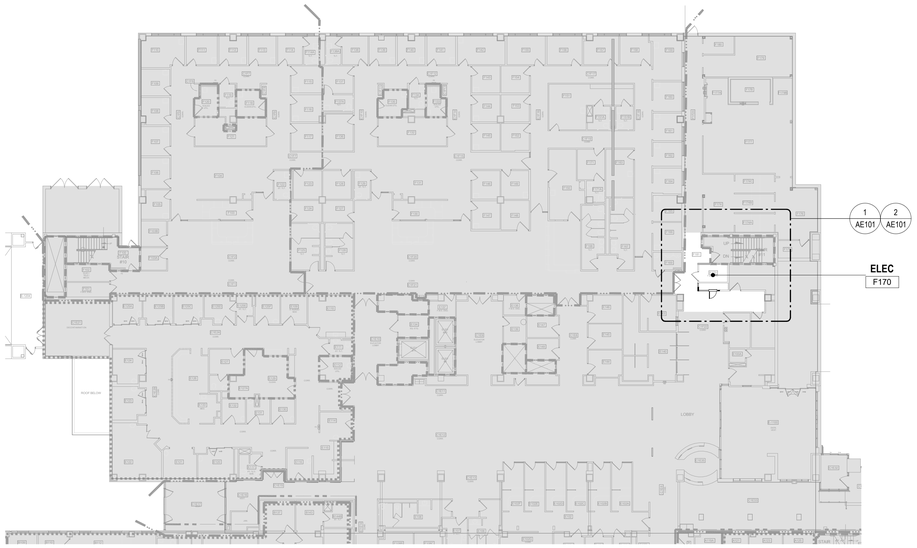
DRAWING # 14 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 12:23:45 AM

VA FORM 08-6231



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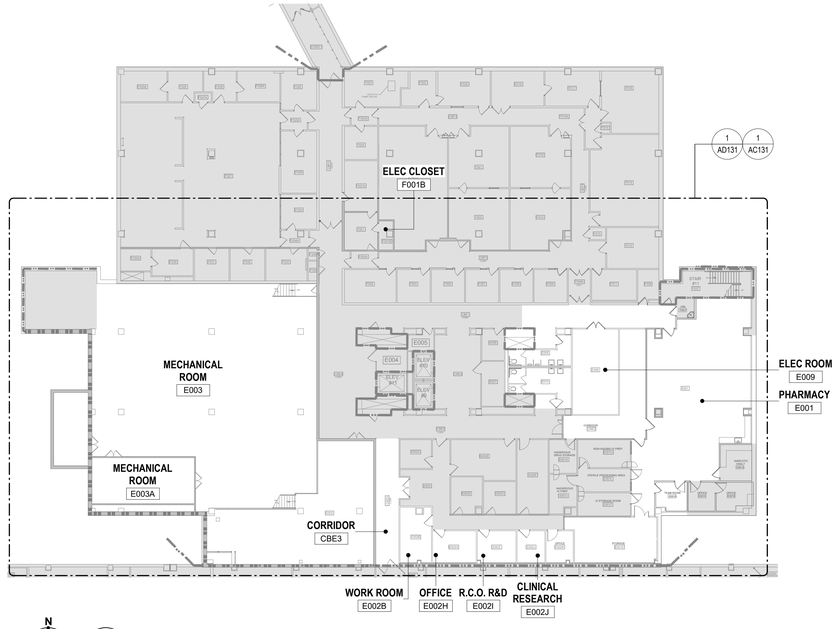
3 LEVEL 1 - OVERALL REFERENCE PLAN
3/64" = 1'-0"



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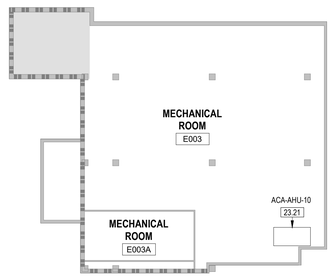
2 BASEMENT LEVEL - OVERALL REFERENCE PLAN
3/64" = 1'-0"



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1 SUB-BASEMENT - OVERALL REFERENCE PLAN
1" = 20'-0"

GENERAL PLAN NOTES

1. ALL DOOR FRAMES TO BE LOCATED 4" FROM OUTSIDE OF FRAME TO FINISH FACE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
2. ALL WALLS ARE TYPE K2 PARTITIONS UNLESS OTHERWISE NOTED. REFER TO PARTITION TYPE SHEET FOR WALL TYPES.
3. REFER TO DOOR SCHEDULE & DETAILS SHEET (AE601) FOR DOOR INFORMATION.
4. ALL WALLS ARE DIMENSIONED TO CENTERLINE OF METAL STUD, UNLESS NOTED OTHERWISE.
5. BLOCK OUT SLAB FOR PENETRATIONS SHALL BE 2" LARGER THAN DUCT SIZE TO ALLOW TOLERANCE FOR DUCT PASSAGE AND FIRE SAFING. COORDINATE WITH MEP FOR DUCT SIZES.
6. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
7. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.

PARTITION LEGEND

	EXISTING WALL TO REMAIN		EXISTING SUBDIVIDED SPACE SMOKE BARRIER
	EXISTING BUILDING SEPARATION: FIRE BARRIER (FIRE WALL IN IBC)		EXISTING HAZ./INCIDENTAL USE SMOKE BARRIER (SPRINKLERED)
	EXISTING HORIZONTAL EXIT (& REFUSE AREA) FIRE BARRIER		NEW PARTITION WALL; REF. AE001

NOTE: NOT ALL WALL TYPES MAY BE USED

KEYNOTE LEGEND

23.21	AIR HANDLING UNIT (AHU), SUSPENDED FROM CEILING; REF. MECHANICAL DRAWINGS

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
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(713) 864-2900

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FIRE PROTECTION ENGINEER
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ARCHITECT: SPUR #: 2517

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

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DRAWING TITLE
OVERALL REFERENCE PLANS - BASEMENT AND LEVEL 1

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **A-101**

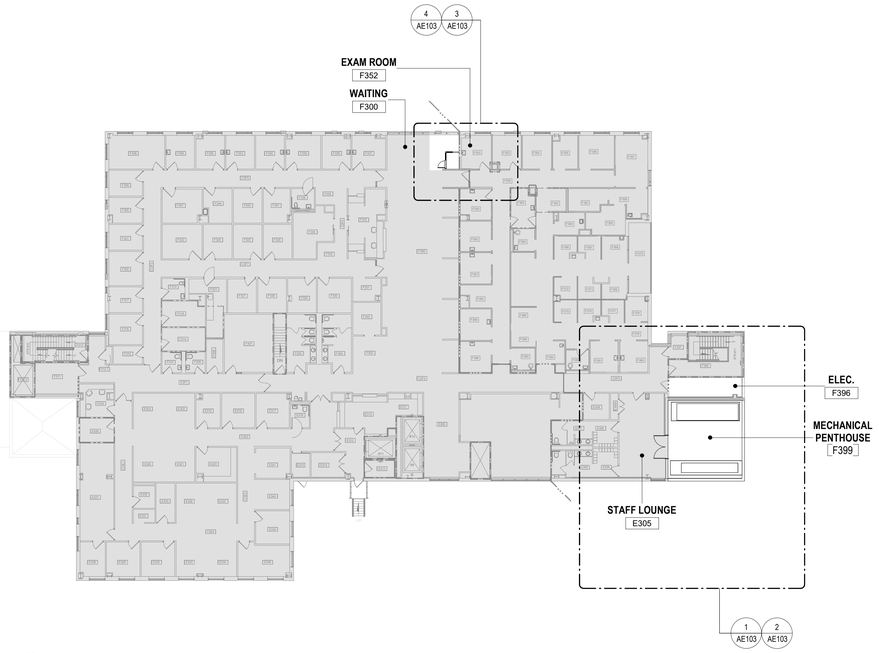
DRAWING # 15 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 9:22:56 AM

VA FORM 08-6231



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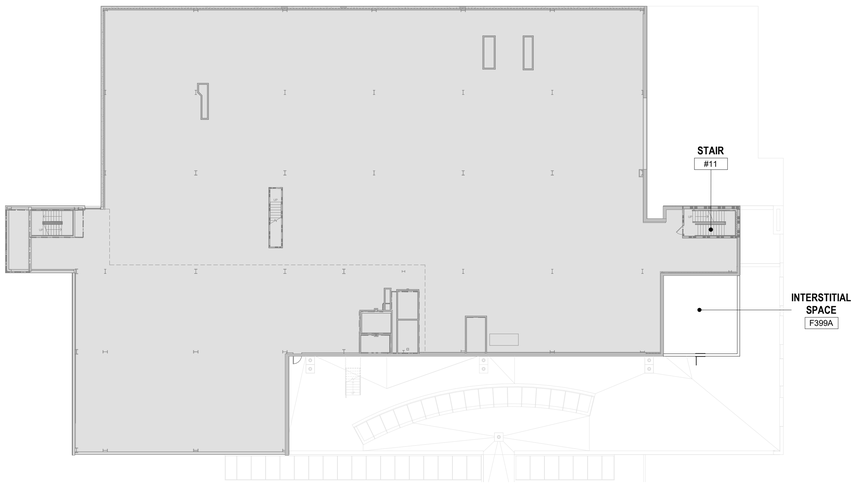
3 LEVEL 3 - OVERALL REFERENCE PLAN
3/64" = 1'-0"



N

2 INTERSTITIAL LEVEL - OVERALL REFERENCE PLAN
3/64" = 1'-0"

N

1 LEVEL 2 - OVERALL REFERENCE PLAN
3/64" = 1'-0"

GENERAL PLAN NOTES

1. ALL DOOR FRAMES TO BE LOCATED 4" FROM OUTSIDE OF FRAME TO FINISH FACE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
2. ALL WALLS ARE TYPE K2 PARTITIONS UNLESS OTHERWISE NOTED. REFER TO PARTITION TYPE SHEET FOR WALL TYPES.
3. REFER TO DOOR SCHEDULE & DETAILS SHEET (AE601) FOR DOOR INFORMATION.
4. ALL WALLS ARE DIMENSIONED TO CENTERLINE OF METAL STUD, UNLESS NOTED OTHERWISE.
5. BLOCK OUT SLAB FOR PENETRATIONS SHALL BE 2" LARGER THAN DUCT SIZE TO ALLOW TOLERANCE FOR DUCT PASSAGE AND FIRE SAFING. COORDINATE WITH MEP FOR DUCT SIZES.
6. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
7. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.

PARTITION LEGEND

	EXISTING WALL TO REMAIN		EXISTING SUBDIVIDED SPACE SMOKE BARRIER
	EXISTING BUILDING SEPARATION: FIRE BARRIER (FIRE WALL IN IBC)		EXISTING HAZ./INCIDENTAL USE SMOKE BARRIER (SPRINKLERED)
	EXISTING HORIZONTAL EXIT (& REFUSE AREA) FIRE BARRIER		NEW PARTITION WALL; REF. AE001

NOTE: NOT ALL WALL TYPES MAY BE USED

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
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PHONE NUMBER

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609 S. KELLY AVE., SUITE H2
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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

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DRAWING TITLE
OVERALL REFERENCE PLANS - LEVELS 2, INTERSTITAL, AND 3

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **A-102**

DRAWING # 16 OF 74

Veterans Health Administration

U.S. Department of Veterans Affairs

5/27/2026 9:22:31 AM

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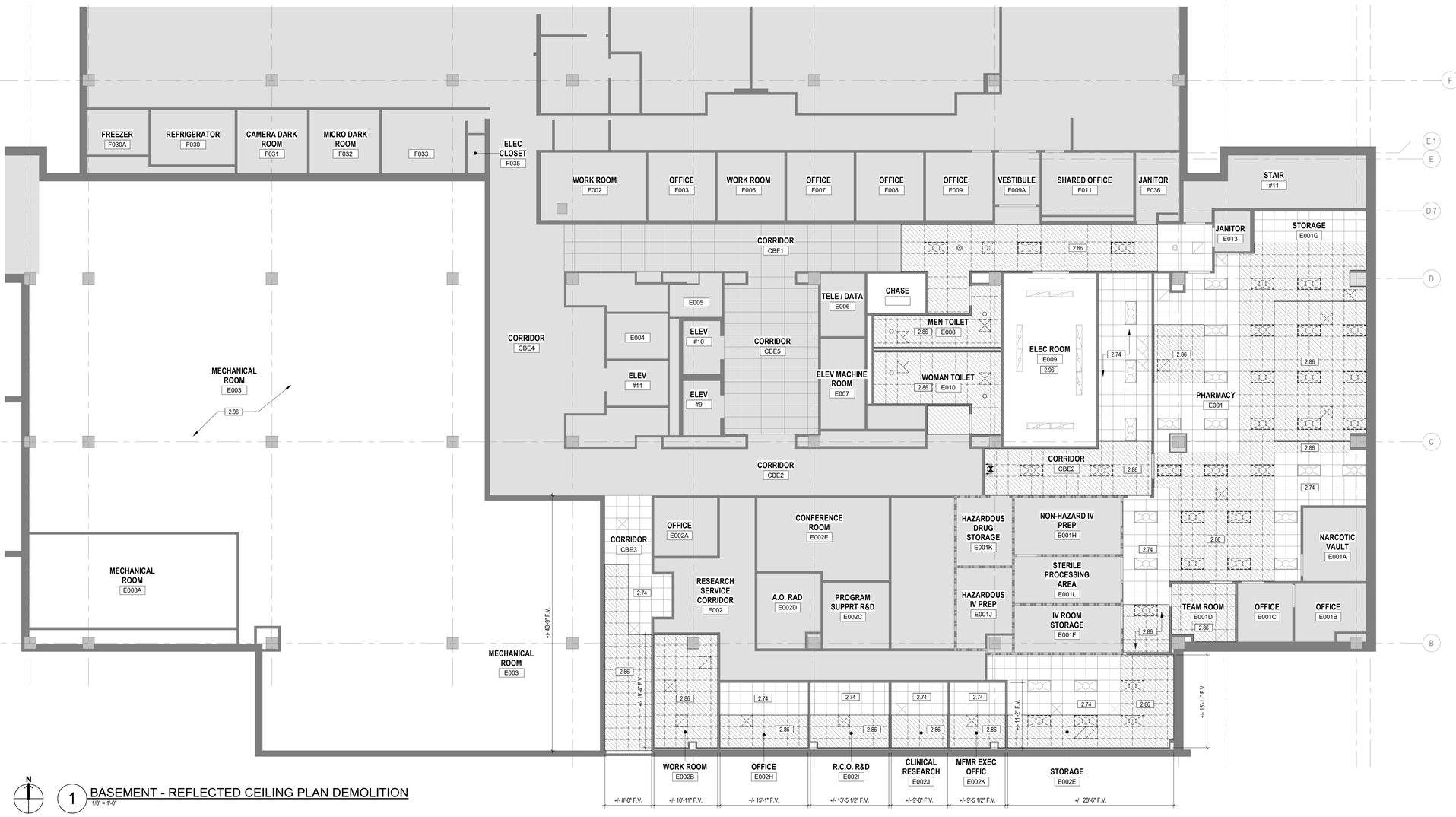


N

1 BASEMENT - REFLECTED CEILING PLAN DEMOLITION
1/8" = 1'-0"

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES

1. ALL EXISTING WALL DIMENSIONS ARE TO FINISH FACE, UNLESS OTHERWISE NOTED
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING CONDITIONS, AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES. ALL INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS IS BASED ON FIELD OBSERVATIONS AND/OR THE ORIGINAL CONSTRUCTION DOCUMENTS OF THE FACILITY.
3. DEMOLITION AND CONSTRUCTION WORK MUST BE DONE UNDER NEGATIVE PRESSURE UTILIZING HEPA FILTRATION UNITS. SEE INFECTION CONTROL NOTES AND SPECIFICATIONS.
4. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT OR AREA HAS BEEN INSPECTED BY THE SAFETY OFFICER AND INFECTION CONTROL COORDINATOR AND THOROUGHLY CLEANED BY ENVIRONMENTAL MANAGEMENT SERVICES.
5. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR EXISTING FLOOR, WALL AND CEILING FINISHES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY THIER WORK OR ANY SUBCONTRACTOR.
6. THE CONTRACTOR SHALL VERIFY THAT NEW MECHANICAL SYSTEMS CAN BE INSTALLED IN EXISTING SPACES TO CLEAR EXISTING CEILING AND OTHER CONSTRUCTED ITEMS AND MAINTAIN FLOOR TO CEILING HEIGHTS INDICATED ON DRAWINGS. IF DISCREPANCIES OCCUR DUE TO EXISTING CONDITIONS, CONSULT WITH THE ARCHITECT BEFORE PROCEEDING.
7. THE FINISH FACE OF MATERIAL OF NEW PARTITIONS SHALL ALIGN ON BOTH SIDES OF THE PARTITION WITH THE FACE OF THE MATERIALS ON EXISTING COLUMNS, WALLS, OR PARTITIONS, UNLESS NOTED OTHERWISE.
8. NO WORK TO BE DONE IN AREAS HATCHED GRAY IN PLANS, HOWEVER WORK MIGHT NEED TO BE PERFORMED IN CEILING OR EXISTING CHASES THROUGHOUT BUILDING. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF WORK. COORDINATE ACCESS TO ROOMS OUTSIDE OF SCOPE WITH OWNER.

DEMOLITION REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		EXISTING 2' x 2' LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 2' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING 2' x 4' LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 4' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING RETURN AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING GYPSUM BOARD CEILING TO BE DEMOLISHED		EXISTING SUPPLY AIR DIFFUSER TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING RECESSED CAN LIGHT TO BE DEMOLISHED; REF: ELECTRICAL		EXISTING EXHAUST AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL

NOTE: NOT ALL SYMBOLS MAY USED.

ICRA FLOOR PLAN LEGEND

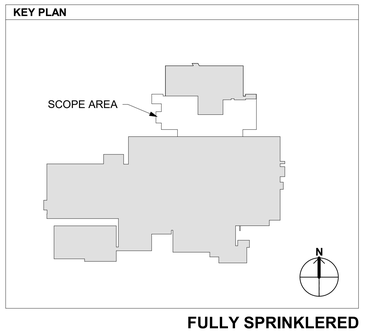
	AREA NOT IN CONTRACT		TEMPORARY ICRA BARRIER, WALL TYPE "E" REF. GI002
	EXISTING PARTITION TO REMAIN		TEMPORARY ICRA ACCESSS DOOR

NOTE: NOT ALL SYMBOLS MAY BE USED.

KEYNOTE LEGEND

2.74	EXISTING CEILING SYSTEM SHALL REMAIN
2.86	DEMOLISH EXISTING GRID CEILING SYSTEM TO EXTENT INDICATED FOR NEW MECHANICAL WORK. REINSTALL CEILING ONCE MECHANICAL WORK IS COMPLETED
2.96	EXISTING CEILING OPEN TO STRUCTURE ABOVE

KEY PLAN



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100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

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PHONE NUMBER

FIRE PROTECTION ENGINEER
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ARCHITECT: SPUR #: 2517

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

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DRAWING TITLE
DEMOLITION REFLECTED CEILING PLAN - BASEMENT LEVEL

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AD131**

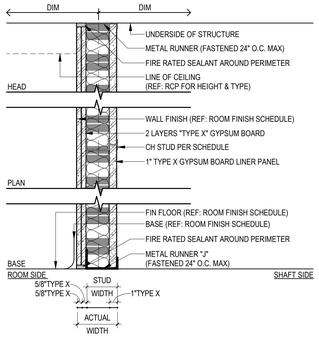
DRAWING # 17 OF 74

Veterans Health Administration

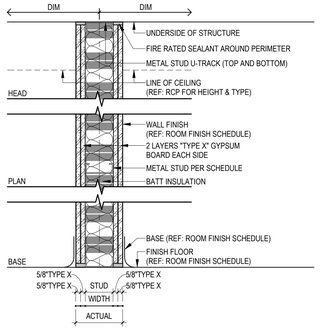
VA U.S. Department of Veterans Affairs

5/27/2026 9:25:16 AM

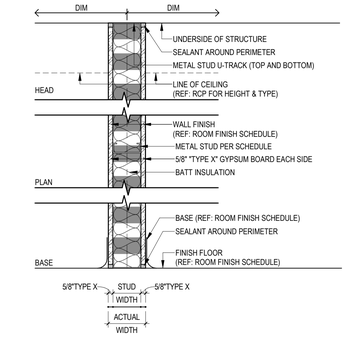
VA FORM 08-6231



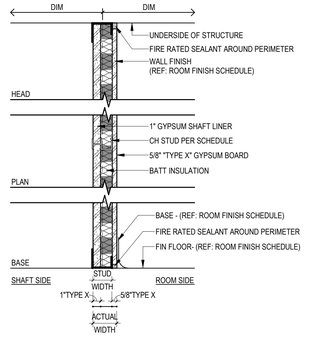
TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
K2	2 HR (U415)	2 LAYERS 5/8" TYPE X GYPSUM BOARD ONE SIDE & 1" TYPE X GYPSUM BOARD ONE SIDE OF 2 1/2" CH METAL STUD AT 16" O.C.	3 3/4"	<varies>
K4	2 HR (U415)	2 LAYERS 5/8" TYPE X GYPSUM BOARD ONE SIDE & 1" TYPE X GYPSUM BOARD ONE SIDE OF 4" CH METAL STUD AT 16" O.C.	5 1/4"	47 STC
K6	2 HR (U415)	2 LAYERS 5/8" TYPE X GYPSUM BOARD ONE SIDE & 1" TYPE X GYPSUM BOARD ONE SIDE OF 6" CH METAL STUD AT 16" O.C.	7 1/4"	47 STC



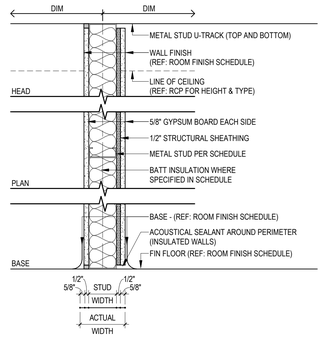
TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
J2	2 HR (U419)	2 LAYERS 5/8" TYPE X GYPSUM BOARD EACH SIDE OF 2 1/2" METAL STUD AT 16" O.C. W/ BATT INSULATION	5"	52 STC
J3	2 HR (U419)	2 LAYERS 5/8" TYPE X GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. W/ BATT INSULATION	6 1/8"	52 STC
J6	2 HR (U419)	2 LAYERS 5/8" TYPE X GYPSUM BOARD EACH SIDE OF 6" METAL STUD AT 16" O.C. W/ BATT INSULATION	8 1/2"	52 STC



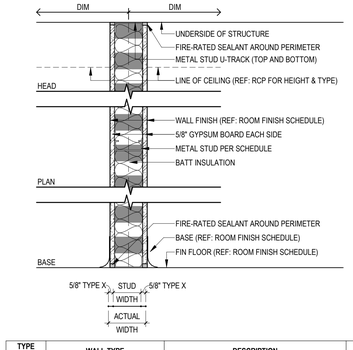
TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
H3	1 HR / SMOKE	5/8" TYPE X GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. W/ BATT INSULATION	4 7/8"	<varies>
H6	SMOKE	5/8" TYPE X GYPSUM BOARD ON EACH SIDE OF 6" METAL STUD AT 16" O.C. W/ BATT INSULATION	7 1/4"	45 STC



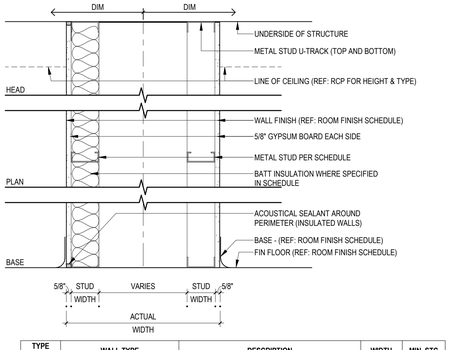
TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
G2	1 HR (U415)	5/8" TYPE X GYPSUM BOARD ONE SIDE & 1" TYPE X GYPSUM BOARD OPPOSITE SIDE OF 2 1/2" CH METAL STUD AT 16" O.C. W/ BATT INSULATION	3 1/8"	45 STC
G4	1 HR (U415)	5/8" TYPE X GYPSUM BOARD ONE SIDE & 1" TYPE X GYPSUM BOARD OPPOSITE SIDE OF 4" CH METAL STUD AT 16" O.C. W/ BATT INSULATION	4 5/8"	45 STC
G6	1 HR (U415)	5/8" TYPE X GYPSUM BOARD ONE SIDE & 1" TYPE X GYPSUM BOARD OPPOSITE SIDE OF 6" CH METAL STUD SPACED AT 16" O.C. W/ BATT INSULATION	6 5/8"	45 STC



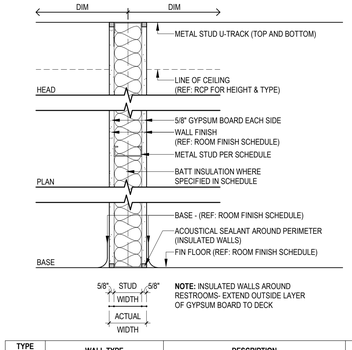
TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
L3	SHEAR	1/2" STRUCTURAL SHEATHING ONE SIDE AND 5/8" GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C.	5 3/8"	--
L6	SHEAR	1/2" STRUCTURAL SHEATHING ONE SIDE AND 5/8" GYPSUM BOARD EACH SIDE OF 6" METAL STUD AT 16" O.C.	7 3/4"	--



TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
F3	1 HR (U419)	5/8" TYPE X GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. W/ BATT INSULATION	4 7/8"	<varies>
F6	1 HR (U419)	5/8" TYPE X GYPSUM BOARD EACH SIDE OF 6" METAL STUD AT 16" O.C. W/ BATT INSULATION	7 1/4"	48 STC

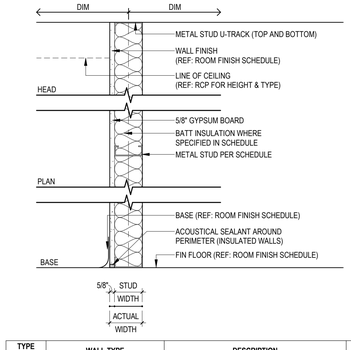


TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
E3	CARRIER	5/8" GYPSUM BOARD ONE SIDE OF (2) 3 5/8" METAL STUD AT 16" O.C. WALLS W/ BATT INSULATION ONE SIDE	1'-8"	--
E6	CARRIER	5/8" GYPSUM BOARD ONE SIDE OF (2) 6" METAL STUD AT 16" O.C. WALLS W/ BATT INSULATION ONE SIDE	2'-0 3/4"	--



NOTE: INSULATED WALLS AROUND RESTROOMS- EXTEND OUTSIDE LAYER OF GYPSUM BOARD TO DECK

TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
C2	NON-INSULATED	5/8" GYPSUM BOARD EACH SIDE OF 2 1/2" METAL STUD AT 16" O.C.	3 3/4"	--
C3	NON-INSULATED	5/8" GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C.	4 7/8"	--
C6	NON-INSULATED	5/8" GYPSUM BOARD EACH SIDE OF 6" METAL STUD AT 16" O.C.	7 1/4"	--
D2	INSULATED	5/8" GYPSUM BOARD EACH SIDE OF 2 1/2" METAL STUD AT 16" O.C. W/ BATT INSULATION	3 3/4"	--
D3	INSULATED	5/8" GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. W/ BATT INSULATION	4 7/8"	--
D6	INSULATED	5/8" GYPSUM BOARD EACH SIDE OF 6" METAL STUD AT 16" O.C. W/ BATT INSULATION	7 1/4"	--

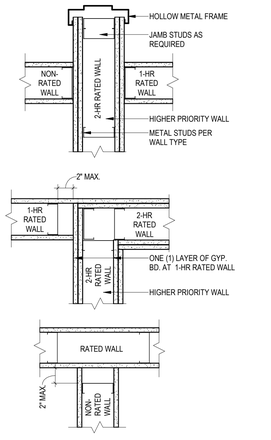


TYPE MARK	WALL TYPE	DESCRIPTION	WIDTH	MIN. STC
A1	NON-INSULATED	5/8" GYPSUM BOARD ONE SIDE 7/8" HAT CHANNEL SPACED AT 16" O.C.	1 1/2"	--
A2	NON-INSULATED	5/8" GYPSUM BOARD ONE SIDE OF 2 1/2" METAL STUD AT 16" O.C.	3 1/8"	--
A3	NON-INSULATED	5/8" GYPSUM BOARD ONE SIDE OF 3 5/8" METAL STUD AT 16" O.C.	4 1/4"	--
A6	NON- INSULATED	5/8" GYPSUM BOARD ONE SIDE OF 6" METAL STUD AT 16" O.C.	6 5/8"	--
B2	INSULATED	5/8" GYPSUM BOARD ONE SIDE OF 2 1/2" METAL STUD AT 16" O.C. W/ BATT INSULATION	3 1/8"	--
B3	INSULATED	5/8" GYPSUM BOARD ONE SIDE OF 3 5/8" METAL STUD AT 16" O.C. W/ BATT INSULATION	4 1/4"	--
B6	INSULATED	5/8" GYPSUM BOARD ONE SIDE OF 6" METAL STUD AT 16" O.C. W/ BATT INSULATION	6 5/8"	--

GENERAL PARTITION NOTES

1. PAINT CONTINUOUS 4" TALL, STENCILED LETTERS, ABOVE CEILING, ON BOTH SIDES OF ALL FIRE AND SMOKE WALLS DESIGNATING THE PARTITION RATING INDICATED ON THE LIFE SAFETY PLAN.
2. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR LOCATIONS OF ALL WALL TILE. PROVIDE AND INSTALL CEMENTITIOUS BACKER BOARD IN LIEU OF GYPSUM BOARD AT ALL SCHEDULED TILE LOCATIONS. UNLESS NOTED OTHERWISE, TILE SHALL BE INSTALLED PER TILE COUNCIL OF AMERICA LATEST STANDARDS FOR EACH TYPE OF BACKING MATERIAL REPRESENTED IN WALL/PARTITION.
3. ALL SUSPENDED WALLS AND PARTITIONS SHALL HAVE GYPSUM BOARD WHICH EXTENDS A MINIMUM OF 6" ABOVE THE SUSPENDED CEILING UNLESS SHOWN AND/OR NOTED OTHERWISE BY THE ARCHITECT.
4. REFER TO STRUCTURAL DRAWINGS FOR ALL LOAD BEARING WALL CONDITIONS IN REGARDS TO STRUCTURAL REQUIREMENTS.
5. "ALIGN" MEANS SIMILAR COMPONENTS OF CONSTRUCTION, E.G. WALLS, JAMBS, ETC. SHALL ALIGN ACROSS VOIDS AND JOINTS.
6. PARTITIONS SHALL BE CONTINUOUS OVER DOORS AND ADJACENT WALLS, WHERE GYP. BD. CONTINUES ABOVE CEILING, AND CONTINUES ABOVE THE CEILING LEVEL UP TO THE STRUCTURE ABOVE (UNLESS SHOWN OR NOTED OTHERWISE). ALL GYPSUM BOARD RETURNS SHALL HAVE CORNER BEADS, MINIMUM FLOOR TO CEILING. ALL PENETRATIONS IN GYP. BD. CONSTRUCTION ABOVE FINISHED CEILING SHALL BE EFFECTIVELY SEALED WITH TAPE/ CAULK (TO PREVENT SOUND LEAKAGE), AND SEALED WITH FIRESTOPPING TAPE/ CAULK AT ALL RATED PARTITIONS (TO PREVENT SMOKE/ FIRE LEAKAGE).
7. ALL MECHANICAL CHASES AND OTHER NOTED CHASES ARE TO EXTEND UP TO THE UNDERSIDE OF THE STRUCTURAL DECK ABOVE. ALL PLUMBING CHASES ARE TO EXTEND 6 INCHES ABOVE THE HIGHEST ADJOINING CEILING AND BE BRACED TO STRUCTURE ABOVE (UNLESS SHOWN OR NOTED OTHERWISE).
8. ALL CONSTRUCTION DESIGNATED TO BE SUPPORTED BY ROOF STRUCTURE SHALL BE SUPPORTED BY TOP CHORD OF STRUCTURAL JOISTS AND NOT FROM THE METAL DECK.
9. COORDINATE WITH MILLWORK DRAWINGS FOR PLACEMENT OF BLOCKING IN WALLS/PARTITIONS. ALL WOOD BLOCKING IS TO BE FIRE RETARDANT TREATED.
10. SEAL THE TOP AND BOTTOM OF WALL AS WELL AS ALL PENETRATIONS WHERE SMOKE PARTITIONS ARE DESIGNATED ON THE LIFE SAFETY PLAN TO ELIMINATE THE PASSAGE OF SMOKE.
11. USE DEFLECTION TRACKS WHERE STUD WALLS ATTACH DIRECTLY TO METAL DECK.

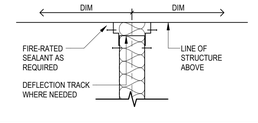
WALL PRIORITY PLAN & LEGEND



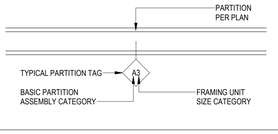
*FIRESTOP ALL PENETRATIONS

TWO HOUR FIRE & SMOKE WALL	PRIORITY 1 (HIGHEST)
TWO HOUR FIRE WALL	PRIORITY 2
TWO HOUR SHAFT WALL	PRIORITY 2
ONE HOUR FIRE & SMOKE WALL	PRIORITY 3
ONE HOUR FIRE WALL	PRIORITY 4
NON-RATED WALL	PRIORITY 5 (LOWEST)

DEFLECTION TRACK DETAIL



PARTITION TAG



FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
HOUSTON, TX 77008
(713) 864-2900

MECH/ELEC/PLUMB/TECH ENGINEER
SPUR DESIGN
312 SW 25TH STREET
OKLAHOMA CITY, OK 73109
(405) 842-6100

PHYSICAL SECURITY
FORCE PROTECT
4015 VITRUVIAN WAY, UNIT 1212
ADDISON, TX 75001
PHONE NUMBER

FIRE PROTECTION ENGINEER
RATED ENGINEERING
609 S. KELLY AVE., SUITE H2
EDMOND, OK 73003
(405) 210-5814

ARCHITECT: SPUR #: 2517

SPUR DESIGN, LLC
312 SW 25TH STREET
Oklahoma City, OK 73109
(405) 842-6100

ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

STAMP:

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

DRAWING TITLE
PARTITION TYPES

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AE001**

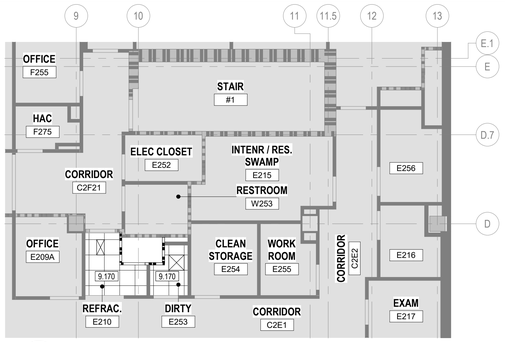
DRAWING # 18 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 9:24:13 AM

VA FORM 08-6231



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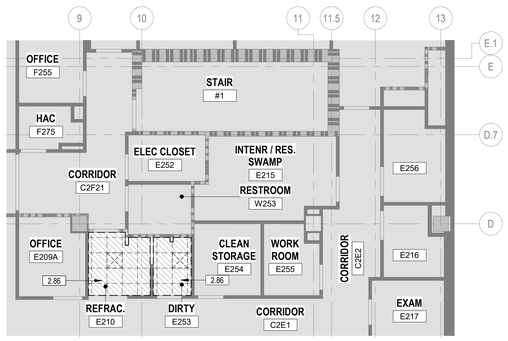
8 LEVEL 2 - REFLECTED CEILING PLAN
1/8" = 1'-0"



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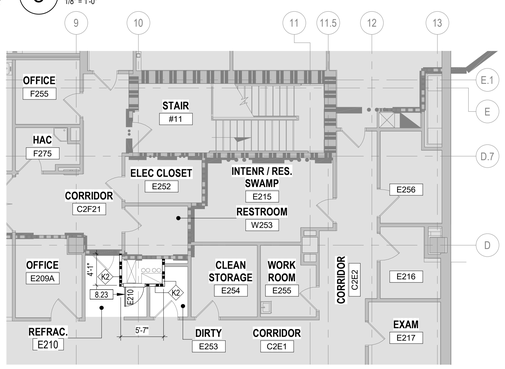
7 LEVEL 2 - REFLECTED CEILING PLAN DEMOLITION
1/8" = 1'-0"



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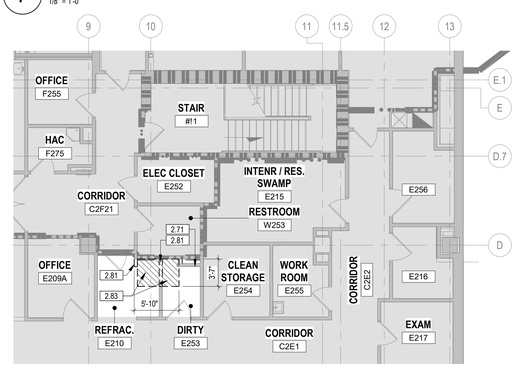
6 LEVEL 2 - ENLARGED PLAN
1/8" = 1'-0"



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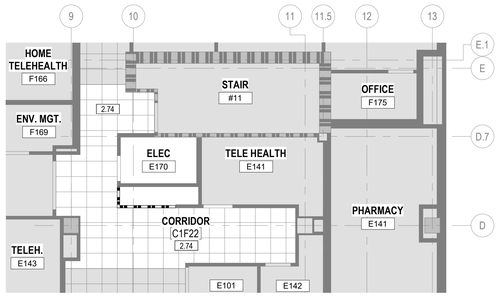
5 LEVEL 2 - ENLARGED DEMOLITION PLAN
1/8" = 1'-0"



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4 LEVEL 1 - REFLECTED CEILING PLAN
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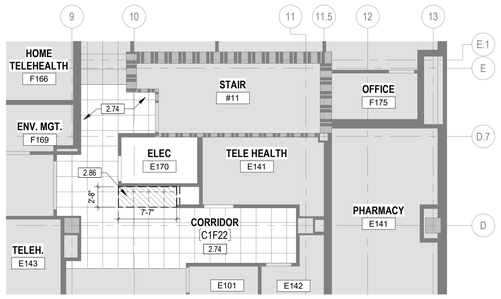

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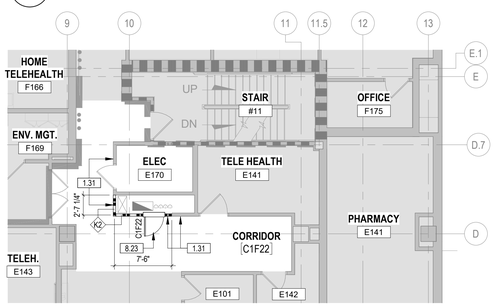
3 LEVEL 1 - REFLECTED CEILING PLAN DEMOLITION
1/8" = 1'-0"



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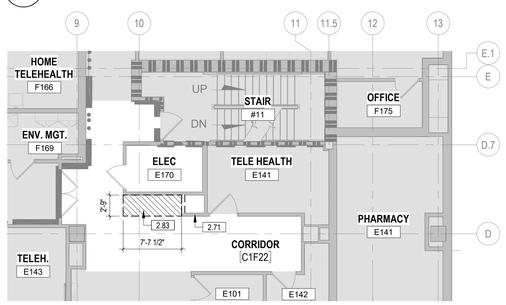
2 LEVEL 1 - ENLARGED PLAN
1/8" = 1'-0"



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1 LEVEL 1 - ENLARGED DEMOLITION PLAN
1/8" = 1'-0"

FLOOR PLAN LEGEND

	AREA NOT IN CONTRACT		NEW PARTITION
	PORTION OF EXISTING TPO MEMBRANCE ROOF TO BE REMOVED		NEW ROOF
	EXISTING PARTITION		ROOF WALKWAY PAD
	EXISTING WINDOW	EF	EXHAUST FAN; REF. MECHANICAL
	EXISTING DOOR & FRAME	X:XX	ROOF PITCH
	NEW DOOR, FRAME AND HARDWARE IN EXISTING PARTITION	VP	VENT PIPE

NOTE: NOT ALL SYMBOLS MAY BE USED.

REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		2 x 2 LIGHT FIXTURE REF: ELECTRICAL
00'-00"	CEILING HEIGHT, ABOVE FINISH FLOOR		2 x 4 LIGHT FIXTURE REF: ELECTRICAL
	2' x 2' ACOUSTICAL CEILING		SUSPENDED LIGHT FIXTURE REF: ELECTRICAL
	2' x 4' ACOUSTICAL CEILING		RECESSED CAN LIGHT (CENTER IN TILE U.N.O.) REF: ELECTRICAL
	GYPSUM BOARD CEILING OR SOFFIT		EXIT LIGHT OR SIGN REF: LIFE SAFETY
	RETURN AIR GRILLE REF: MECHANICAL		OCCUPANCY SENSOR REF: ELECTRICAL
	SUPPLY AIR DIFFUSER REF: MECHANICAL		
	EXHAUST AIR GRILLE REF: MECHANICAL		

NOTE: ALL SYMBOLS MAY NOT BE USED.

PARTITION LEGEND

	EXISTING WALL TO REMAIN		EXISTING SUBDIVIDED SPACE SMOKE BARRIER
	EXISTING BUILDING SEPARATION: FIRE BARRIER (FIRE WALL IN IBC)		EXISTING HAZ./INCIDENTAL USE SMOKE BARRIER (SPRINKLERED)
	EXISTING HORIZONTAL EXIT (& REFUSE AREA) FIRE BARRIER		NEW PARTITION WALL; REF. AE001

NOTE: NOT ALL WALL TYPES MAY BE USED

KEYNOTE LEGEND

1.31	ALIGN
2.71	EXISTING WALL SHALL REMAIN
2.74	EXISTING CEILING SYSTEM SHALL REMAIN
2.81	DEMOLISH EXISTING WALL CONSTRUCTION TO EXTENT INDICATED
2.83	DEMOLISH EXISTING FLOORING IN THIS AREA; CLEAN & PREPARE FOR NEW CHASE WALL; REFERENCE FLOORS PLANS FOR ADDITIONAL INFORMATION
2.86	DEMOLISH EXISTING GRID CEILING SYSTEM TO EXTENT INDICATED FOR NEW MECHANICAL WORK. REINSTALL CEILING ONCE MECHANICAL WORK IS COMPLETED
8.23	2'-6"W X 3'-0"H 2-HOUR FIRE RATED ACCESS DOOR AND FRAME; REF. DOOR SCHEDULE AE601
9.170	REINSTALLED CEILING AS SCHEDULED

GENERAL DEMOLITION PLAN NOTES

1. ALL EXISTING WALL DIMENSIONS ARE TO FINISH FACE, UNLESS OTHERWISE NOTED
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING CONDITIONS, AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES. ALL INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS IS BASED ON FIELD OBSERVATIONS AND/OR THE ORIGINAL CONSTRUCTION DOCUMENTS OF THE FACILITY.
3. DEMOLITION AND CONSTRUCTION WORK MUST BE DONE UNDER NEGATIVE PRESSURE UTILIZING HEPA FILTRATION UNITS. SEE INFECTION CONTROL NOTES AND SPECIFICATIONS.
4. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT OR AREA HAS BEEN INSPECTED BY THE SAFETY OFFICER AND INFECTION CONTROL COORDINATOR AND THOROUGHLY CLEANED BY ENVIRONMENTAL MANAGEMENT SERVICES.
5. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR EXISTING FLOOR, WALL AND CEILING FINISHES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY THIER WORK OR ANY SUBCONTRACTOR.
6. THE CONTRACTOR SHALL VERIFY THAT NEW MECHANICAL SYSTEMS CAN BE INSTALLED IN EXISTING SPACES TO CLEAR EXISTING CEILING AND OTHER CONSTRUCTED ITEMS AND MAINTAIN FLOOR TO CEILING HEIGHTS INDICATED ON DRAWINGS. IF DISCREPANCIES OCCUR DUE TO EXISTING CONDITIONS, CONSULT WITH THE ARCHITECT BEFORE PROCEEDING.
7. THE FINISH FACE OF MATERIAL OF NEW PARTITIONS SHALL ALIGN ON BOTH SIDES OF THE PARTITION WITH THE FACE OF THE MATERIALS ON EXISTING COLUMNS, WALLS, OR PARTITIONS, UNLESS NOTED OTHERWISE.
8. NO WORK TO BE DONE IN AREAS HATCHED GRAY IN PLANS, HOWEVER WORK MIGHT NEED TO BE PERFORMED IN CEILING OR EXISTING CHASES THROUGHOUT BUILDING. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF WORK. COORDINATE ACCESS TO ROOMS OUTSIDE OF SCOPE WITH OWNER.
9. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
10. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.
11. CONSTRUCTION WORK ON LEVELS 1, 2, AND 3 IN EXISTING AREAS TO BE PERFORMED AT NIGHTS AND/OR WEEKEND. COORDINATE WITH HTE VA.

GENERAL PLAN NOTES

1. ALL DOOR FRAMES TO BE LOCATED 4" FROM OUTSIDE OF FRAME TO FINISH FACE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
2. ALL WALLS ARE TYPE K2 PARTITIONS UNLESS OTHERWISE NOTED. REFER TO PARTITION TYPE SHEET FOR WALL TYPES.
3. REFER TO DOOR SCHEDULE & DETAILS SHEET (AE601) FOR DOOR INFORMATION.
4. ALL WALLS ARE DIMENSIONED TO CENTERLINE OF METAL STUD, UNLESS NOTED OTHERWISE.
5. BLOCK OUT SLAB FOR PENETRATIONS SHALL BE 2" LARGER THAN DUCT SIZE TO ALLOW TOLERANCE FOR DUCT PASSAGE AND FIRE SAFING. COORDINATE WITH MEP FOR DUCT SIZES.
6. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
7. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.

DEMOLITION FLOOR PLAN LEGEND

	AREA NOT IN CONTRACT		EXISTING PARTITION TO BE DEMOLISHED
	EXISTING PARTITION TO REMAIN		EXISTING DOOR, FRAME AND HARDWARE TO BE DEMOLISHED
	EXISTING DOOR & FRAME TO REMAIN		EXISTING WINDOW & FRAME TO BE DEMOLISHED
	EXISTING WINDOW & FRAME TO REMAIN		

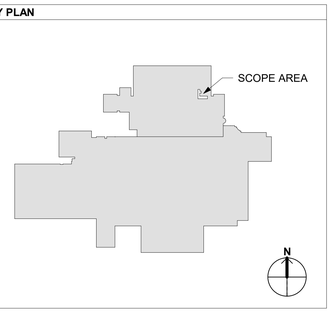
NOTE: NOT ALL SYMBOLS MAY BE USED.

DEMOLITION REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		EXISTING 2 x 2 LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 2' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING 2 x 4 LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 4' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING RETURN AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING GYPSUM BOARD CEILING TO BE DEMOLISHED		EXISTING SUPPLY AIR DIFFUSER TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING RECESSED CAN LIGHT TO BE DEMOLISHED; REF: ELECTRICAL		EXISTING EXHAUST AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL

NOTE: NOT ALL SYMBOLS MAY USED.

KEY PLAN



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100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

CIVIL/STRUCTURAL
H2B ENGINEERING
1225 NORTH LOOP WEST, SUITE 800
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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
ENGR REG. NO. E-2014031351 EXP. 12/31/2026

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The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

DRAWING TITLE
ENLARGED DEMOLITION AND FLOOR PLANS - LEVELS 1 AND 2

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AE101**

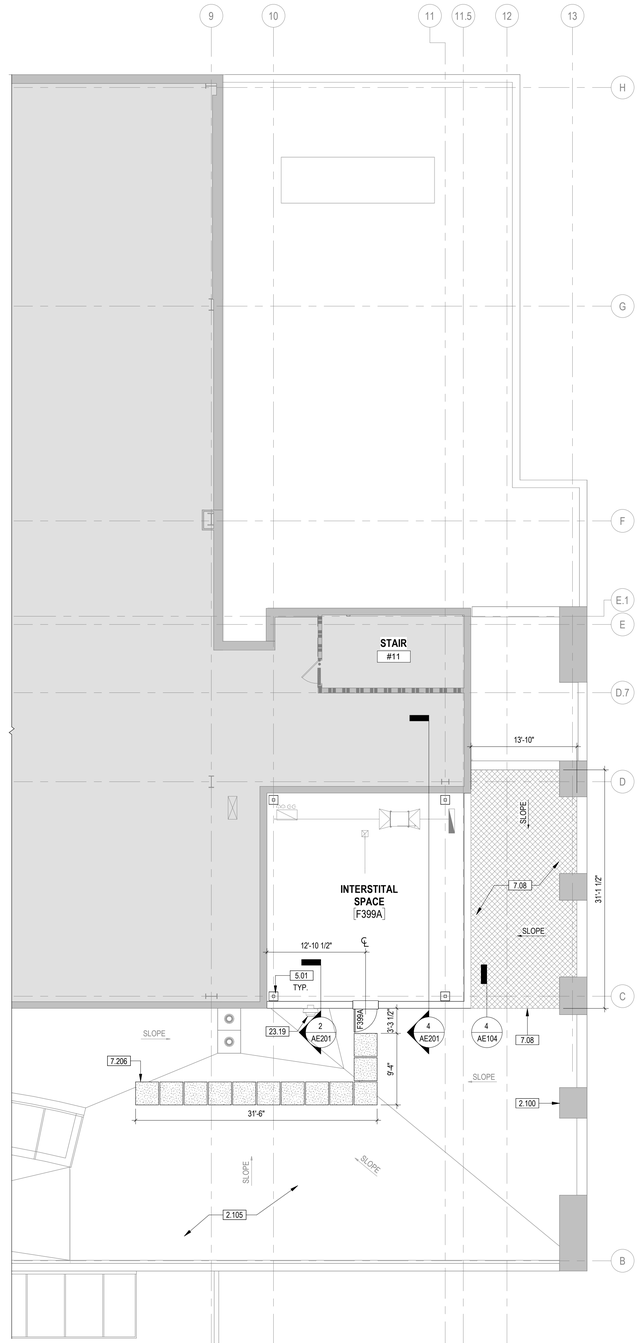
DRAWING # 19 OF 74

Veterans Health Administration

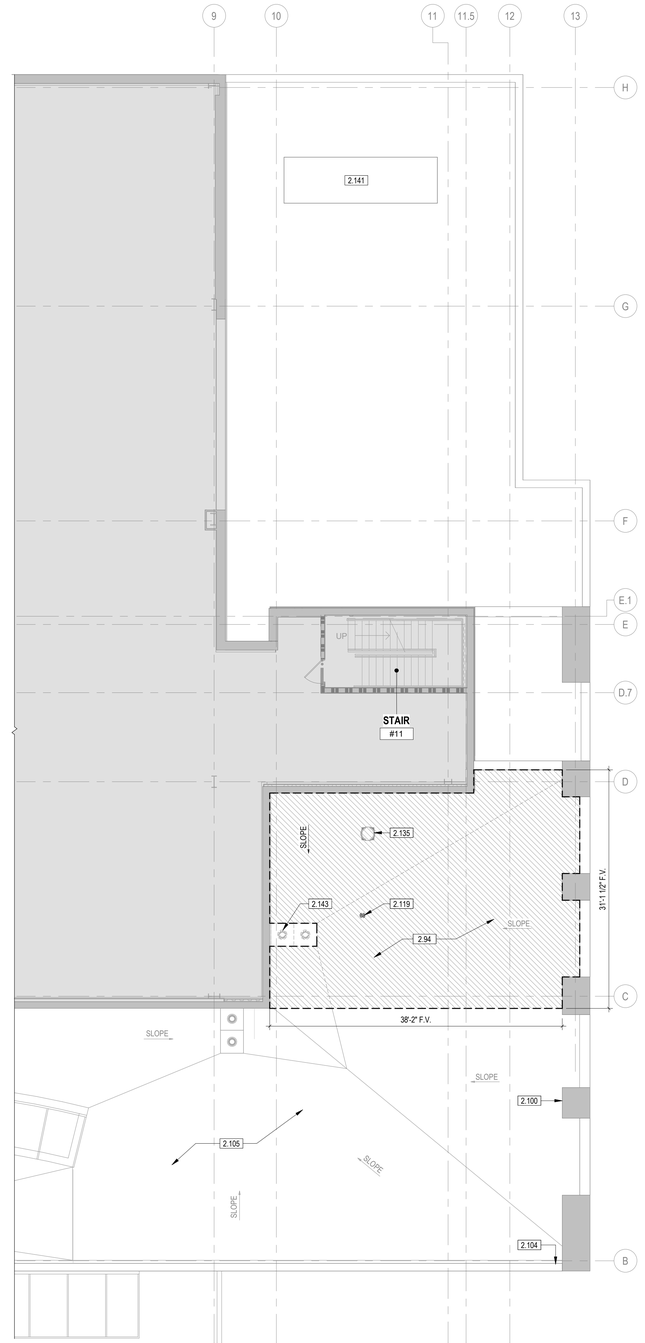
VA | U.S. Department of Veterans Affairs

5/27/2026 9:34:46 AM

VA FORM 08-6231



2 INTERSTITIAL LEVEL - REFERENCE PLAN
1/8" = 1'-0"



1 INTERSTITIAL LEVEL - DEMOLITION PLAN
1/8" = 1'-0"

KEYNOTE LEGEND

2.94	DEMOLISH EXISTING ROOFING SYSTEM, PREP FOR NEW MECHANICAL PENTHOUSE
2.100	EXISTING WALL FEATURE TO REMAIN
2.104	EXISTING ROOF PARAPET TO REMAIN
2.105	EXISTING ROOF TO REMAIN
2.119	DEMOLISH EXISTING VENT; REF. PLUMBING
2.135	DEMOLISH EXISTING EXHAUST FAN; DUCT TO BE REROUTED WITHIN INTERSTITAL SPACE; REF. MECHANICAL DRAWINGS
2.141	EXISTING AIR HANDLING UNIT (AHU)
2.143	DEMOLISH EXISTING ROOF DRAINS AND PREP FOR NEW DRAIN CONNECTION ON PENTHOUSE ROOF; REF. MECHANICAL
5.01	STRUCTURAL STEEL; REF. STRUCT. DRAWINGS
7.08	NEW ROOFING SYSTEM TO TIE INTO AND ALIGN WITH EXISTING ROOF; REF. 4/AE104
7.206	3'-0" X 3'-0" ROOF WALK PADS. TO BE ALIGNED WITH EXISTING WALKS PADS AROUND EXISTING SKYLIGHT
23.19	EXHAUST FAN; REF. MECHANICAL DRAWINGS

GENERAL DEMOLITION PLAN NOTES

1. ALL EXISTING WALL DIMENSIONS ARE TO FINISH FACE, UNLESS OTHERWISE NOTED
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING CONDITIONS, AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES. ALL INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS IS BASED ON FIELD OBSERVATIONS AND/OR THE ORIGINAL CONSTRUCTION DOCUMENTS OF THE FACILITY.
3. DEMOLITION AND CONSTRUCTION WORK MUST BE DONE UNDER NEGATIVE PRESSURE UTILIZING HEPA FILTRATION UNITS. SEE INFECTION CONTROL NOTES AND SPECIFICATIONS.
4. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT OR AREA HAS BEEN INSPECTED BY THE SAFETY OFFICER AND INFECTION CONTROL COORDINATOR AND THOROUGHLY CLEANED BY ENVIRONMENTAL MANAGEMENT SERVICES.
5. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR EXISTING FLOOR, WALL AND CEILING FINISHES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY THIER WORK OR ANY SUBCONTRACTOR.
6. THE CONTRACTOR SHALL VERIFY THAT NEW MECHANICAL SYSTEMS CAN BE INSTALLED IN EXISTING SPACES TO CLEAR EXISTING CEILING AND OTHER CONSTRUCTED ITEMS AND MAINTAIN FLOOR TO CEILING HEIGHTS INDICATED ON DRAWINGS. IF DISCREPANCIES OCCUR DUE TO EXISTING CONDITIONS, CONSULT WITH THE ARCHITECT BEFORE PROCEEDING.
7. THE FINISH FACE OF MATERIAL OF NEW PARTITIONS SHALL ALIGN ON BOTH SIDES OF THE PARTITION WITH THE FACE OF THE MATERIALS ON EXISTING COLUMNS, WALLS, OR PARTITIONS, UNLESS NOTED OTHERWISE.
8. NO WORK TO BE DONE IN AREAS HATCHED GRAY IN PLANS, HOWEVER WORK MIGHT NEED TO BE PERFORMED IN CEILING OR EXISTING CHASES THROUGHOUT BUILDING. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF WORK. COORDINATE ACCESS TO ROOMS OUTSIDE OF SCOPE WITH OWNER.
9. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
10. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.
11. CONSTRUCTION WORK ON LEVELS 1, 2, AND 3 IN EXISTING AREAS TO BE PERFORMED AT NIGHTS AND/OR WEEKEND. COORDINATE WITH HTE VA.

GENERAL PLAN NOTES

1. ALL DOOR FRAMES TO BE LOCATED 4" FROM OUTSIDE OF FRAME TO FINISH FACE OF ADJACENT WALL UNLESS NOTED OTHERWISE.
2. ALL WALLS ARE TYPE K2 PARTITIONS UNLESS OTHERWISE NOTED. REFER TO PARTITION TYPE SHEET FOR WALL TYPES.
3. REFER TO DOOR SCHEDULE & DETAILS SHEET (AE601) FOR DOOR INFORMATION.
4. ALL WALLS ARE DIMENSIONED TO CENTERLINE OF METAL STUD, UNLESS NOTED OTHERWISE.
5. BLOCK OUT SLAB FOR PENETRATIONS SHALL BE 2" LARGER THAN DUCT SIZE TO ALLOW TOLERANCE FOR DUCT PASSAGE AND FIRE SAFING. COORDINATE WITH MEP FOR DUCT SIZES.
6. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
7. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.

DEMOLITION FLOOR PLAN LEGEND

	AREA NOT IN CONTRACT		EXISTING PARTITION TO BE DEMOLISHED
	EXISTING PARTITION TO REMAIN		EXISTING DOOR, FRAME AND HARDWARE TO BE DEMOLISHED
	EXISTING DOOR & FRAME TO REMAIN		EXISTING WINDOW & FRAME TO BE DEMOLISHED
	EXISTING WINDOW & FRAME TO REMAIN		

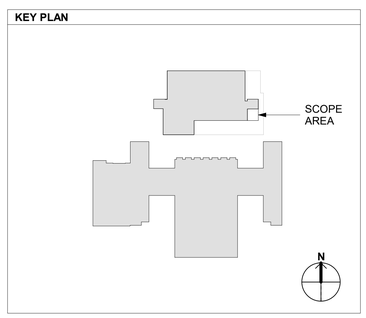
NOTE: NOT ALL SYMBOLS MAY BE USED.

DEMOLITION REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		EXISTING 2' x 2' LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 2' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING 2' x 4' LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 4' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING RETURN AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING GYPSUM BOARD CEILING TO BE DEMOLISHED		EXISTING SUPPLY AIR DIFFUSER TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING RECESSED CAN LIGHT TO BE DEMOLISHED; REF: ELECTRICAL		EXISTING EXHAUST AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL

NOTE: NOT ALL SYMBOLS MAY USED.

KEY PLAN



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100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

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DRAWING TITLE
DEMOLITION AND FLOOR PLANS - INTERSTITAL SPACE

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AE102**
DRAWING # 20 OF 74

Veterans Health Administration
VA U.S. Department of Veterans Affairs

5/27/2026 9:34:13 AM

VA FORM 08-6231

N

6 LEVEL 3 - REFLECTED CEILING PLAN
1/8" = 1'-0"

N

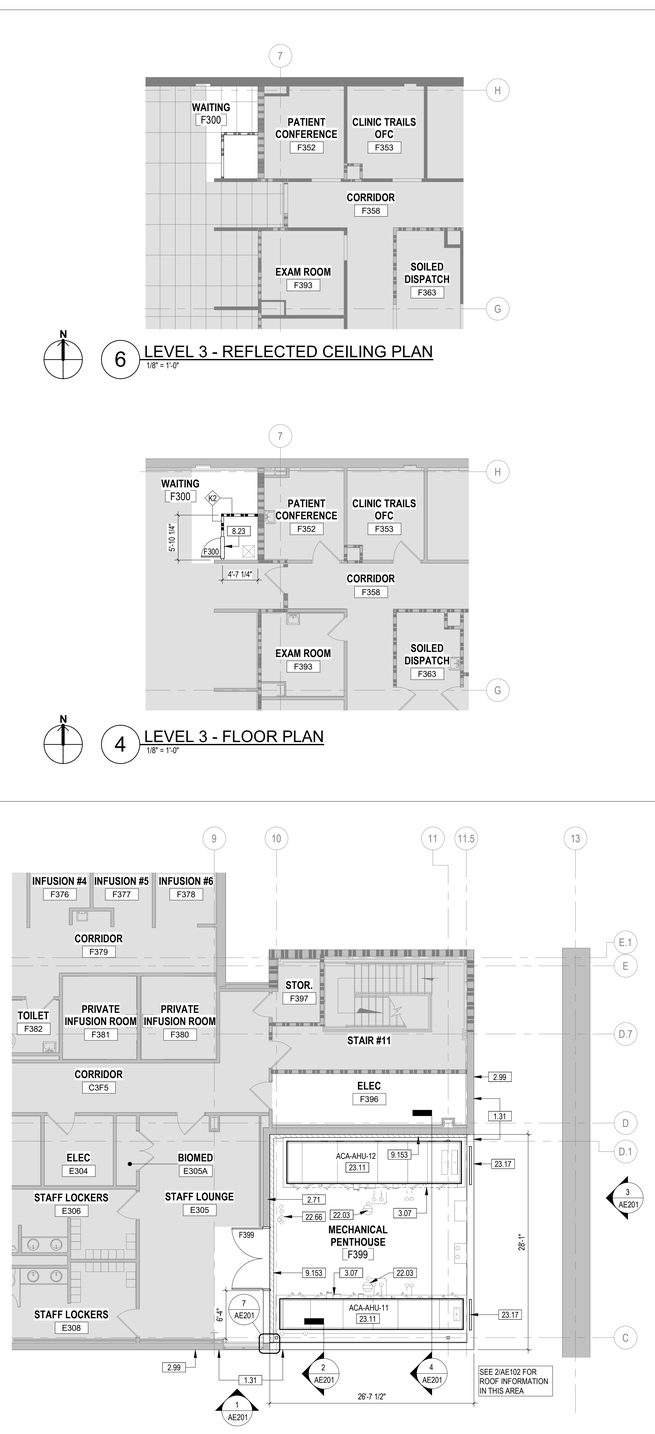
5 LEVEL 3 - REFLECTED CEILING PLAN DEMOLITION
1/8" = 1'-0"

N

4 LEVEL 3 - FLOOR PLAN
1/8" = 1'-0"

N

3 LEVEL 3 - DEMOLITION PLAN
1/8" = 1'-0"



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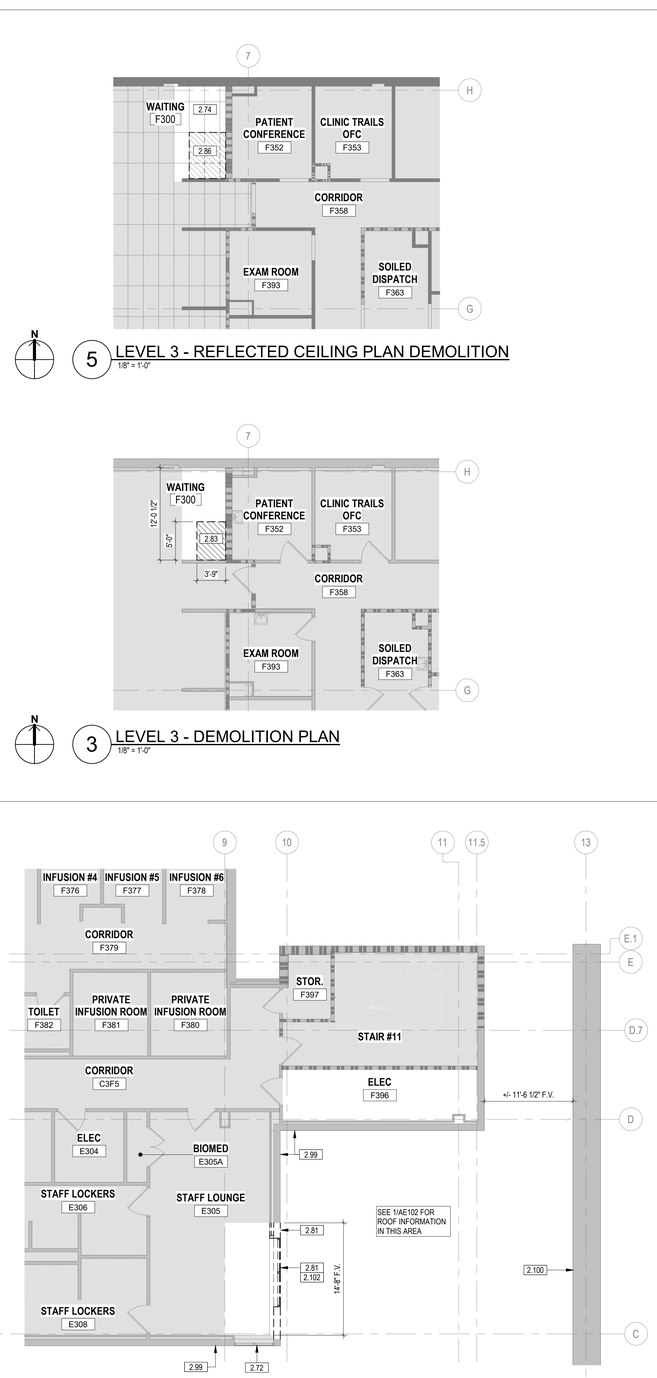
2 LEVEL 3 - FLOOR PLAN
1/8" = 1'-0"



N

1 LEVEL 3 - DEMOLITION PLAN
1/8" = 1'-0"

FLOOR PLAN LEGEND

	AREA NOT IN CONTRACT		NEW PARTITION
	PORTION OF EXISTING TPO MEMBRANCE ROOF TO BE REMOVED		NEW ROOF
	EXISTING PARTITION		ROOF WALKWAY PAD
	EXISTING WINDOW	EF	EXHAUST FAN; REF. MECHANICAL
	EXISTING DOOR & FRAME	X:XX	ROOF PITCH
	NEW DOOR, FRAME AND HARDWARE IN EXISTING PARTITION	VP	VENT PIPE

NOTE: NOT ALL SYMBOLS MAY BE USED.

REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		2 x 2 LIGHT FIXTURE REF: ELECTRICAL
.00'-00"	CEILING HEIGHT, ABOVE FINISH FLOOR		2 x 4 LIGHT FIXTURE REF: ELECTRICAL
	2' x 2' ACOUSTICAL CEILING		SUSPENDED LIGHT FIXTURE REF: ELECTRICAL
	2' x 4' ACOUSTICAL CEILING		RECESSED CAN LIGHT (CENTER IN TILE U.N.O.) REF: ELECTRICAL
	GYPSUM BOARD CEILING OR SOFFIT		EXIT LIGHT OR SIGN REF: LIFE SAFETY
	RETURN AIR GRILLE REF: MECHANICAL		OCCUPANCY SENSOR REF: ELECTRICAL
	SUPPLY AIR DIFFUSER REF: MECHANICAL		
	EXHAUST AIR GRILLE REF: MECHANICAL		

NOTE: ALL SYMBOLS MAY NOT BE USED.

PARTITION LEGEND

	EXISTING WALL TO REMAIN		EXISTING SUBDIVIDED SPACE SMOKE BARRIER
	EXISTING BUILDING SEPARATION: FIRE BARRIER (FIRE WALL IN IBC)		EXISTING HAZ./INCIDENTAL USE SMOKE BARRIER (SPRINKLERED)
	EXISTING HORIZONTAL EXIT (& REFUSE AREA) FIRE BARRIER		NEW PARTITION WALL; REF. AE601

NOTE: NOT ALL WALL TYPES MAY BE USED

KEYNOTE LEGEND

1.31	ALIGN
2.71	EXISTING WALL SHALL REMAIN
2.72	EXISTING STOREFRONT SHALL REMAIN
2.74	EXISTING CEILING SYSTEM SHALL REMAIN
2.81	DEMOLISH EXISTING WALL CONSTRUCTION TO EXTENT INDICATED
2.83	DEMOLISH EXISTING FLOORING IN THIS AREA; CLEAN & PREPARE FOR NEW CHASE WALL; REFERENCE FLOORS PLANS FOR ADDITIONAL INFORMATION
2.86	DEMOLISH EXISTING GRID CEILING SYSTEM TO EXTENT INDICATED FOR NEW MECHANICAL WORK. REINSTALL CEILING ONCE MECHANICAL WORK IS COMPLETED
2.99	EXISTING EIFS WALL ON ROOF TO REMAIN
2.100	EXISTING WALL FEATURE TO REMAIN
2.102	REMOVE EXISTING WINDOW SYSTEM INCLUDING SILL FRAMING TO EXTENTS SHOWN
3.07	CONCRETE HOUSEKEEPING PAD; REF. STRUCTURAL DRAWINGS
8.23	2'-6"W X 3'-0"H 2-HOUR FIRE RATED ACCESS DOOR AND FRAME; REF. DOOR SCHEDULE AE601
9.153	EXPANSION JOINT; REF. STRUCTURAL DRAWING DETAIL 18/SF503
22.03	FLOOR DRAIN; REF. PLUMBING DRAWINGS
22.66	MECHANICAL PIPING; REF. MECHANICAL DRAWINGS
23.11	AIR HANDLING UNIT (AHU); REF. MECHANICAL DRAWINGS
23.17	LOUVER; REF. MECHANICAL DRAWINGS

GENERAL DEMOLITION PLAN NOTES

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GENERAL PLAN NOTES

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DEMOLITION FLOOR PLAN LEGEND

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	EXISTING PARTITION TO REMAIN		EXISTING DOOR, FRAME AND HARDWARE TO BE DEMOLISHED
	EXISTING DOOR & FRAME TO REMAIN		EXISTING WINDOW & FRAME TO BE DEMOLISHED
	EXISTING WINDOW & FRAME TO REMAIN		

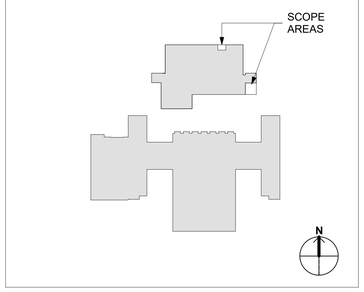
NOTE: NOT ALL SYMBOLS MAY BE USED.

DEMOLITION REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		EXISTING 2 x 2 LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 2' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING 2 x 4 LIGHT FIXTURE TO BE DEMOLISHED; REF: ELECTRICAL
	EXISTING 2' x 4' ACOUSTICAL CEILING TO BE DEMOLISHED		EXISTING RETURN AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING GYPSUM BOARD CEILING TO BE DEMOLISHED		EXISTING SUPPLY AIR DIFFUSER TO BE DEMOLISHED; REF: MECHANICAL
	EXISTING RECESSED CAN LIGHT TO BE DEMOLISHED; REF: ELECTRICAL		EXISTING EXHAUST AIR GRILLE TO BE DEMOLISHED; REF: MECHANICAL

NOTE: NOT ALL SYMBOLS MAY USED.

KEY PLAN



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100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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DRAWING TITLE
DEMOLITION AND FLOOR PLANS - LEVEL 3

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AE103**

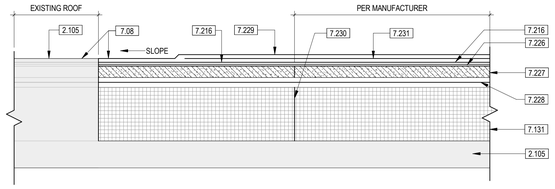
DRAWING # 21 OF 74

Veterans Health Administration

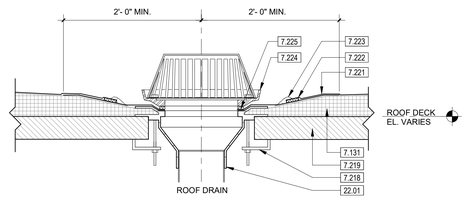
VA | U.S. Department of Veterans Affairs

5/27/2026 9:31:26 AM

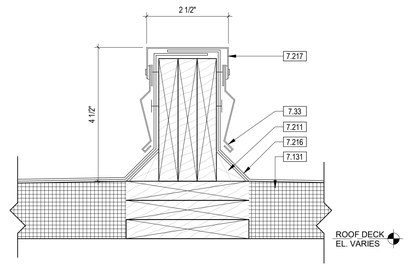
VA FORM 08-6231



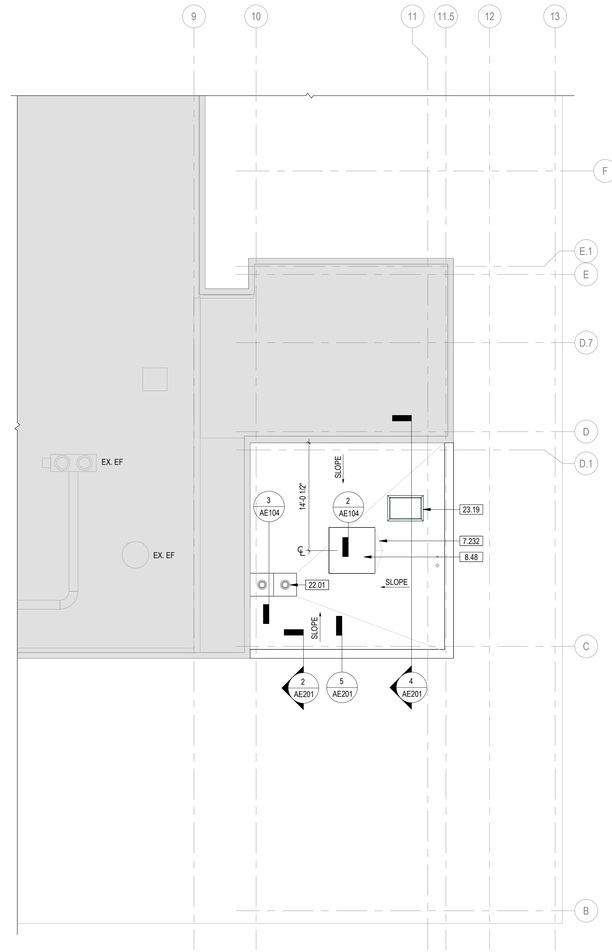
4 NEW ROOF SYSTEM TO EXISTING ROOF DETAIL
6" = 1'-0"



3 OVERFLOW DRAIN DETAIL
1 1/2" = 1'-0"



2 CURB DETAIL
6" = 1'-0"



N

1 ROOF PLAN
1/8" = 1'-0"

GENERAL ROOF PLAN NOTES

1. ALL ROOFING WORK SHALL BE PERFORMED BY CONTRACTOR APPROVED BY EXISTING ROOF MANUFACTURER TO PATCH AND REPAIR EXISTING ROOFING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING EXISTING ROOFING SYSTEM WARRANTY STATUS AND FURNISHING A COMPLETE ROOF REWORK, REPAIR AND PATCHING SYSTEM THAT WILL BE IN COMPLIANCE WITH ANY EXISTING REMAINING ROOF WARRANTIES. NEW WORK SHALL PROVIDE FULL NEW SYSTEM WARRANTIES.
2. PROVIDE PIPE BOOTS FLASHED INTO EXISTING ROOF AT ALL SANITARY VENT LINES, ELECTRICAL SERVICE STANCHIONS AND WEATHERHEADS, CHILLED WATER LINES, AND OTHER MISCELLANEOUS PENETRATIONS NOT ILLUSTRATED ON ARCHITECTURAL ROOF PLAN. SEE MECHANICAL.
3. SUPPORTS ALLOWED TO SIT DIRECTLY ON ROOF SYSTEM FOR PIPING AND SIMILAR SHALL BE PURPOSE MADE BY MANUFACTURER FOR APPLICATION AND SUPPORT ROOF SYSTEM EXISTING AND NEW WARRANTIES. SEE MECHANICAL.
4. PROVIDE ROOF WALKWAY FROM NEW ACCESS POINT TO NEW ROOFTOP MECHANICAL EQUIPMENT WHERE INDICATED.
5. REFER TO ELECTRICAL DRAWINGS FOR LIGHTNING PROTECTION SYSTEMS.
6. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
7. CONTRACTOR TO LOCATE AND IDENTIFY EXISTING STRUCTURAL MEMBERS AND ROOF CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE VA BEFORE COMENCING CONSTRUCTION.

ROOF PLAN PLAN LEGEND

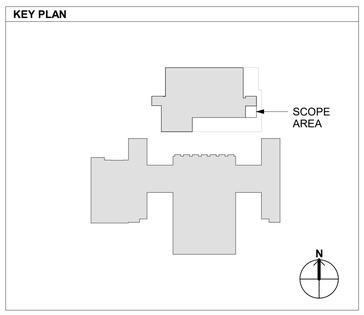
	AREA NOT IN CONTRACT		ROOF WALKWAY PAD
X:XX	ROOF PITCH	EF	EXHAUST FAN; REF. MECHANICAL
VP	VENT PIPE		

NOTE: ALL SYMBOLS MAY NOT BE USED.

KEYNOTE LEGEND

2.105	EXISTING ROOF TO REMAIN.
7.08	NEW ROOFING SYSTEM TO TIE INTO AND ALIGN WITH EXISTING ROOF; REF. 4/AE104
7.33	COUNTERFLASHING SYSTEM
7.131	R-30 ROOF WITH 6" RIGID INSULATION
7.211	CONTINUOUS WOOD NAILER
7.216	TPO ROOF MEMBRANE
7.217	SHEET METAL COVER
7.218	DECK CLAMP
7.219	PROTECTION BOARD AND METAL DECKING. PROVIDE TREATED WOOD BLOCKING AS REQUIRED
7.221	THERMOPLASTIC MEMBRANE ROOFING SYSTEM
7.222	MINIMUM 1 1/2" HOT AIR WELD
7.223	TOP LAP SEALANT
7.224	CLAMPING RING
7.225	WATER CUT-OFF MASTIC
7.226	CONTINOUS WEATHER BARRIER UNDERLAYMENT
7.227	COVER BOARD
7.228	APPLY MASTIC OVER INSULATION FASTENERS
7.229	PROVIDE 6" OF OVERLAPPING MEMBRANE OVER FLASHING
7.230	CUT EXISTING ROOFING WHERE NECESSARY FOR INSTALLATION OF NEW ROOFING SYSTEM
7.231	SINGLE PLY FLASHING MEMBRANE FASTENED OR ADHERED PER MANUFACTURER
7.232	ROOF CRICKET
8.48	6'-0" X 6'-0" ROOF HATCH AND CURB
22.01	ROOF DRAIN; REF. PLUMBING DRAWINGS
23.19	EXHAUST FAN; REF. MECHANICAL DRAWINGS

KEY PLAN



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100% CONSTRUCTION DOCUMENTS

No.	REVISION DESCRIPTION	DATE

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VA FORM 08-6231

CONSULTANTS:

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ARCH REG. NO. A-2012034754 EXP. 12/31/2026
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DRAWING TITLE
PENTHOUSE ROOF PLAN AND DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

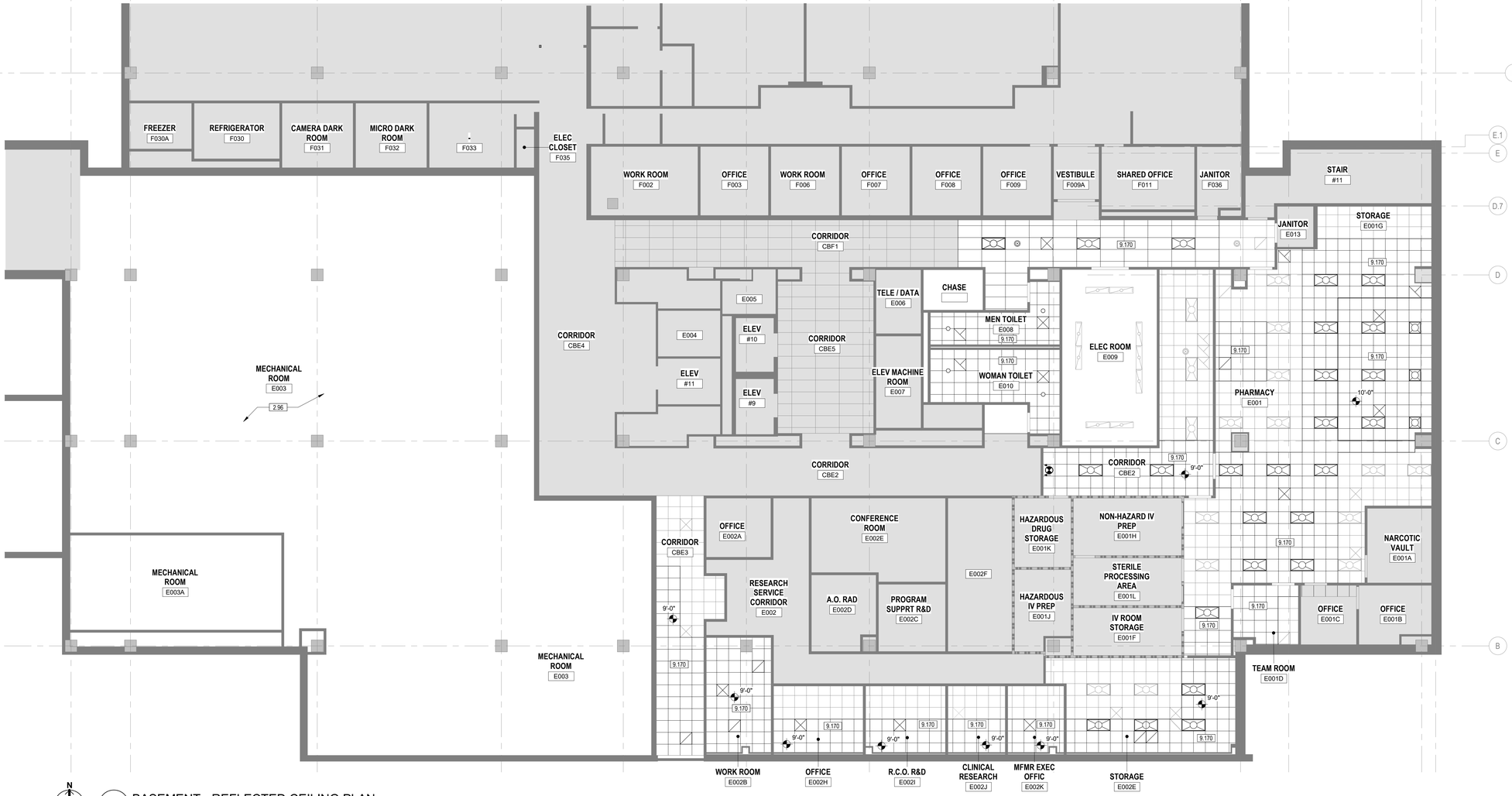
BUILDING NUMBER 1

DRAWING NUMBER **AE104**

DRAWING # 22 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs



N

1 BASEMENT - REFLECTED CEILING PLAN
1/8" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

1. ALL CEILINGS 9'-0" AFF UNO.
2. ALL SURFACES OF SOFFITS TO BE PAINTED XX UNO.
3. WHERE EXISTING CEILINGS ARE TO BE REMOVED AND REPLACED WITH NEW, THE GENERAL CONTRACTOR SHALL COORDINATE THE REMOVAL AND REINSTALLATION OF ALL CEILING MOUNTED DEVICES (CUBICLE CURTAIN TRACKS, IN-TRACKS, DETECTORS, SPEAKER, ETC.) SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON THE ROUTING OF THE NEW SERVICES ABOVE THE CEILING.

REFLECTED CEILING PLAN LEGEND

	AREA NOT IN SCOPE		2 x 2 LIGHT FIXTURE REF: ELECTRICAL
00'-00"	CEILING HEIGHT, ABOVE FINISH FLOOR		2 x 4 LIGHT FIXTURE REF: ELECTRICAL
	2' x 2' ACOUSTICAL CEILING		SUSPENDED LIGHT FIXTURE REF: ELECTRICAL
	2' x 4' ACOUSTICAL CEILING		RECESSED CAN LIGHT (CENTER IN TILE U.N.O.) REF: ELECTRICAL
	GYPSUM BOARD CEILING OR SOFFIT		EXIT LIGHT OR SIGN REF: LIFE SAFETY
	RETURN AIR GRILLE REF: MECHANICAL		OCCUPANCY SENSOR REF: ELECTRICAL
	SUPPLY AIR DIFFUSER REF: MECHANICAL		
	EXHAUST AIR GRILLE REF: MECHANICAL		

NOTE: ALL SYMBOLS MAY NOT BE USED.

PARTITION LEGEND

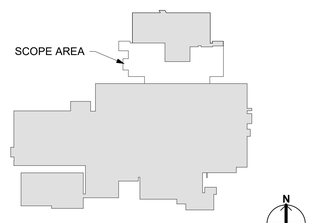
	EXISTING WALL TO REMAIN		EXISTING SUBDIVIDED SPACE SMOKE BARRIER
	EXISTING BUILDING SEPARATION: FIRE BARRIER (FIRE WALL IN IBC)		EXISTING HAZ./INCIDENTAL USE SMOKE BARRIER (SPRINKLERED)
	EXISTING HORIZONTAL EXIT (& REFUSE AREA) FIRE BARRIER		NEW PARTITION WALL; REF. AE001

NOTE: NOT ALL WALL TYPES MAY BE USED

KEYNOTE LEGEND

2.96	EXISTING CEILING OPEN TO STRUCTURE ABOVE
9.170	REINSTALLED CEILING AS SCHEDULED

KEY PLAN



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DRAWING TITLE
REFLECTED CEILING PLAN - BASEMENT LEVEL

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AC131**

DRAWING # 23 OF 74

Veterans Health Administration

VA U.S. Department of Veterans Affairs

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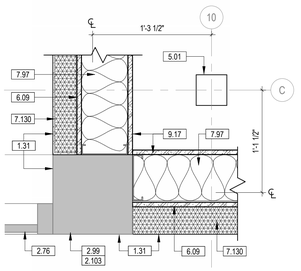
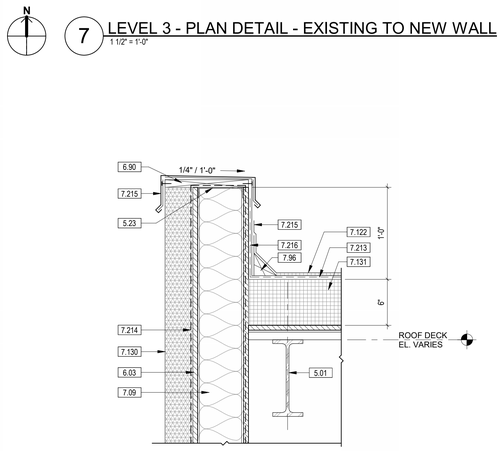
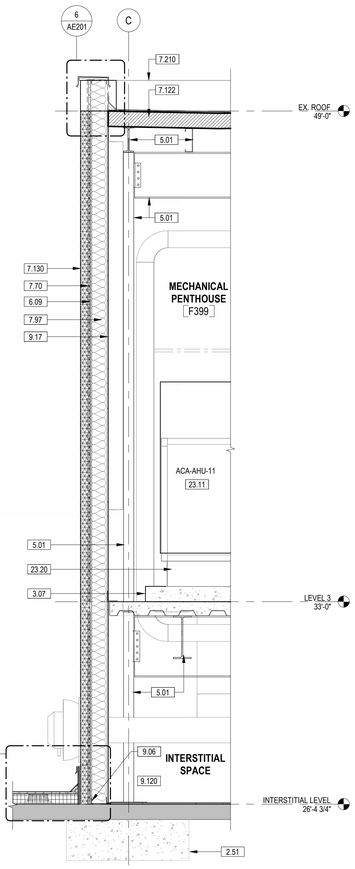
VA FORM 08-6231

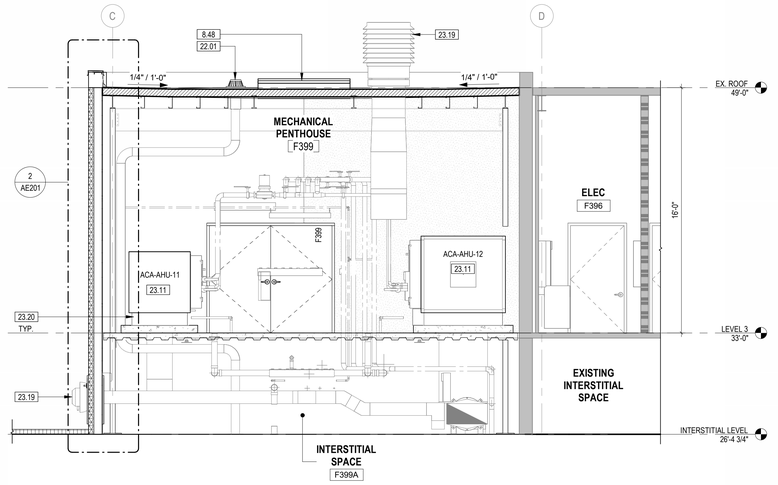




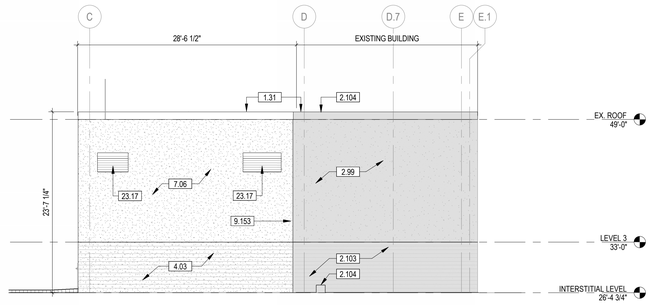
7 LEVEL 3 - PLAN DETAIL - EXISTING TO NEW WALL
1 1/2" = 1'-0"



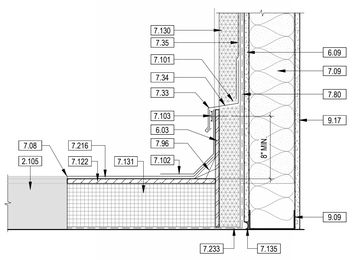
2 WALL SECTION
1/2" = 1'-0"



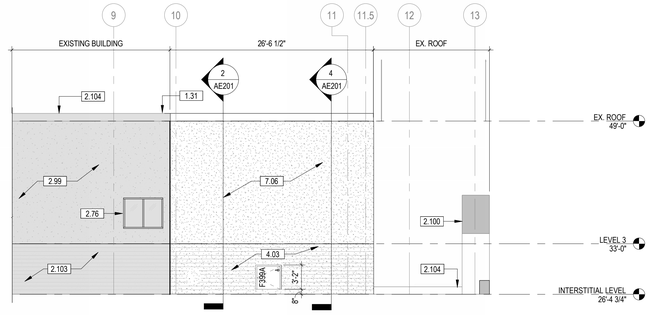
4 BUILDING SECTION - EAST
1/4" = 1'-0"



3 BUILDING ELEVATION - EAST
1/8" = 1'-0"



5 HORIZONTAL ROOF AT WALL DETAIL
1 1/2" = 1'-0"



1 BUILDING ELEVATION - SOUTH
1/8" = 1'-0"

6 TYP. PARAPET DETAIL AT EIFS
1 1/2" = 1'-0"

GENERAL BUILDING ELEVATION NOTES

1. REFER TO PLANS FOR ELEVATION LOCATIONS.

GENERAL WALL SECTION NOTES

1. REFER TO PLANS FOR SECTION LOCATIONS.
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS, AND NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES. ALL INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS IS BASED ON FIELD OBSERVATIONS AND/OR THE ORIGINAL CONSTRUCTION DOCUMENTS OF THE FACILITY.
3. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING IN AREAS NOT DESIGNATED FOR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY THEIR WORK OR ANY SUBCONTRACTOR.

KEYNOTE LEGEND

1.31	ALIGN
2.51	EXISTING CONCRETE BEAM TO REMAIN
2.76	EXISTING WINDOW SYSTEM SHALL REMAIN
2.99	EXISTING EIFS WALL ON ROOF TO REMAIN
2.100	EXISTING WALL FEATURE TO REMAIN
2.103	EXISTING CONCRETE PANEL EXTERIOR TO REMAIN
2.104	EXISTING ROOF PARAPET TO REMAIN
2.105	EXISTING ROOF TO REMAIN
3.07	CONCRETE HOUSEKEEPING PAD; REF. STRUCTURAL DRAWINGS
4.03	CONCRETE PANEL WALL TO MATCH EXISTING
5.01	STRUCTURAL STEEL; REF. STRUCT. DRAWINGS
5.23	6" METAL STUD TRACK
6.03	5/8" PLYWOOD SHEATHING (NAILABLE)
6.09	5/8" EXTERIOR GYPSUM SHEATHING
6.90	WOOD BLOCKING
7.06	ACRYLIC-BASED EIFS OVER 2" EPS INSULATION TO MATCH EXISTING: R-3.85 PER INCH = R7.7
7.08	NEW ROOFING SYSTEM TO TIE INTO AND ALIGN WITH EXISTING ROOF; REF. 4/AE104
7.09	6" BATT INSULATION, R-13 MINIMUM
7.33	COUNTERFLASHING SYSTEM
7.34	THRU-WALL FLASHING
7.35	TRANSITION MEMBRANE
7.70	FLUID-APPLIED AIR BARRIER
7.80	AIR VAPOR BARRIER
7.96	CANT STRIP
7.97	BATT INSULATION, R-13 MIN.
7.101	WEEP SCREED. MAINTAIN PATH ABOVE THRU-WALL FLASHING FOR WATER MIGRATION.
7.102	PAN FLASHING PER ROOF MANUFACTURER'S REQUIREMENTS
7.103	TERMINATION BAR
7.122	ROOF AND DECK INSULATION
7.130	DRAINABLE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)
7.131	R-30 ROOF WITH 8" RIGID INSULATION
7.135	FIRE RESISTENT JOINT SEALANT
7.210	PARAPET
7.213	TPO MEMBRANE BONDING ADHESIVE
7.214	TPO MEMBRANE LAPPED UP AND OVER PARAPET
7.215	PREFINISHED METAL COPING
7.216	TPO ROOF MEMBRANE
7.233	ROOF AIR BARRIER
8.48	6'-0" X 6'-0" ROOF HATCH AND CURB
9.06	6" C STUD
9.09	6" CH STUD
9.17	5/8" GYPSUM WALL BOARD
9.120	FLOORING AS SCHEDULED
9.153	EXPANSION JOINT; REF. STRUCTURAL DRAWING DETAIL 18/SF503
22.01	ROOF DRAIN; REF. PLUMBING DRAWINGS
23.11	AIR HANDLING UNIT (AHU); REF. MECHANICAL DRAWINGS
23.17	LOUVER; REF. MECHANICAL DRAWINGS
23.19	EXHAUST FAN; REF. MECHANICAL DRAWINGS
23.20	EQUIPMENT CURB; REF. MECHANICAL DRAWINGS

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DRAWING TITLE
BUILDING ELEVATIONS AND SECTIONS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AE201**

DRAWING # 24 OF 74

Veterans Health Administration

U.S. Department of Veterans Affairs

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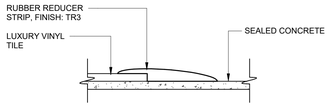
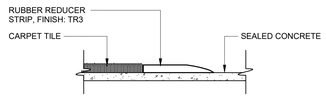
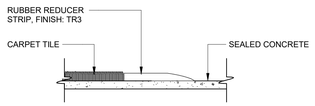


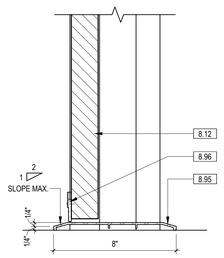
9 TRANSITION DETAIL - LVT TO SEALED CONCRETE
12" = 1'-0"



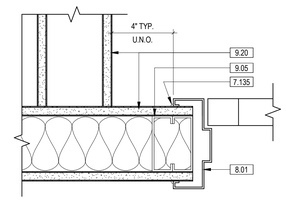
8 TRANSITION DETAIL - CPT TO SEALED CONCRETE
12" = 1'-0"



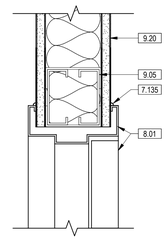
7 TRANSITION DETAIL - CPT TO SEALED CONCRETE1
12" = 1'-0"



6 ACCESSIBLE DOOR THRESHOLD
3" = 1'-0"



5 TYP. HM JAMB DETAIL - INTERIOR
3" = 1'-0"



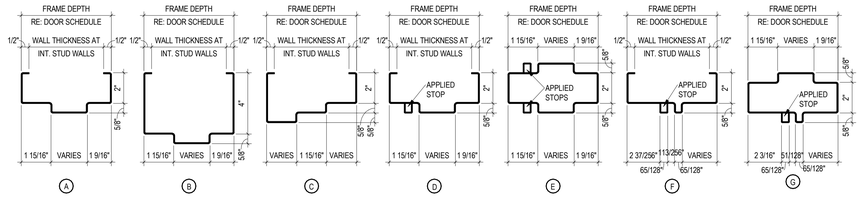
4 TYP. HM HEAD DETAIL - INTERIOR
3" = 1'-0"

DOOR SCHEDULE

MARK	ROOM NAME	DOOR PANEL TYPE	DOOR PANEL MATERIAL	DOOR PANEL WIDTH	DOOR PANEL HEIGHT	FRAME TYPE	FIRE RATING 20 MIN	FIRE RATING 45 MIN	FIRE RATING 90 MIN	HARDWARE SET	TELECOM	COMMENTS
C1F22	CORRIDOR	AP	MTL	2'-6"	3'-0"	HM-AP			•			RATED ACCESS PANEL: REF. 1/AE601 AND 2/AE601
E210	REFRAC.	AP	MTL	2'-6"	3'-0"	HM-AP			•			RATED ACCESS PANEL: REF. 1/AE601 AND 2/AE601
F300	WAITING	AP	MTL	2'-6"	3'-0"	HM-AP			•			RATED ACCESS PANEL: REF. 1/AE601 AND 2/AE601
F399	MECHANICAL PENTHOUSE	PAIR-F	MTL	8'-0"	7'-0"	HM-1			•	099		
F399A	INTERSTITAL SPACE	AP	MTL	3'-0"	3'-0"	HM-AP			•			RATED ACCESS PANEL: REF. 1/AE601 AND 2/AE601

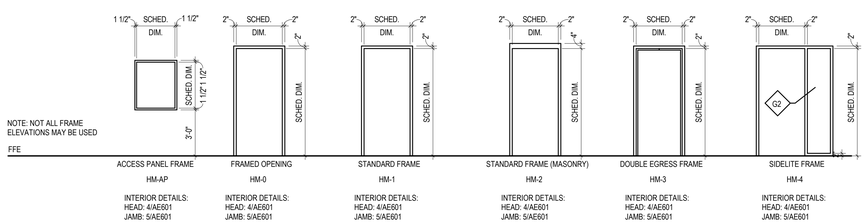
KEYNOTE LEGEND

7.135	FIRE RESISTENT JOINT SEALANT
8.01	METAL DOOR & FRAME
8.12	SLIDING WOOD DOOR
8.95	LAMINATED GLASS
8.96	FIRE-RATED GLASS
9.05	3 5/8" C STUD
9.20	5/8" TYPE X GYPUSM WALLBOARD

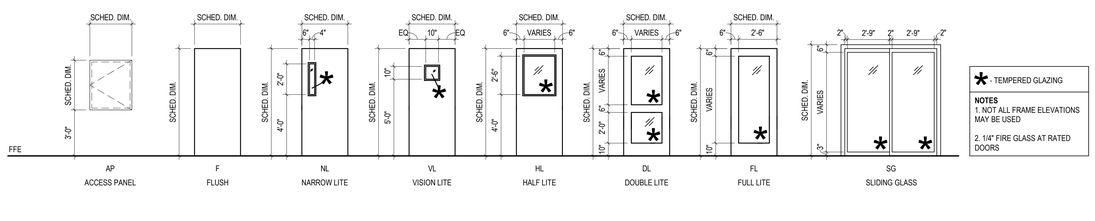


NOTE: NOT ALL FRAME TYPES MAY BE USED

3 DOOR FRAME TYPES
3" = 1'-0"



2 HOLLOW METAL FRAME ELEVATIONS
1/4" = 1'-0"



1 DOOR TYPES
1/4" = 1'-0"

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ENGR REG. NO. E-2014031351 EXP. 12/31/2026

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DRAWING TITLE
DOOR SCHEDULE & DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED BKM | DRAWN JDM

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **AE601**

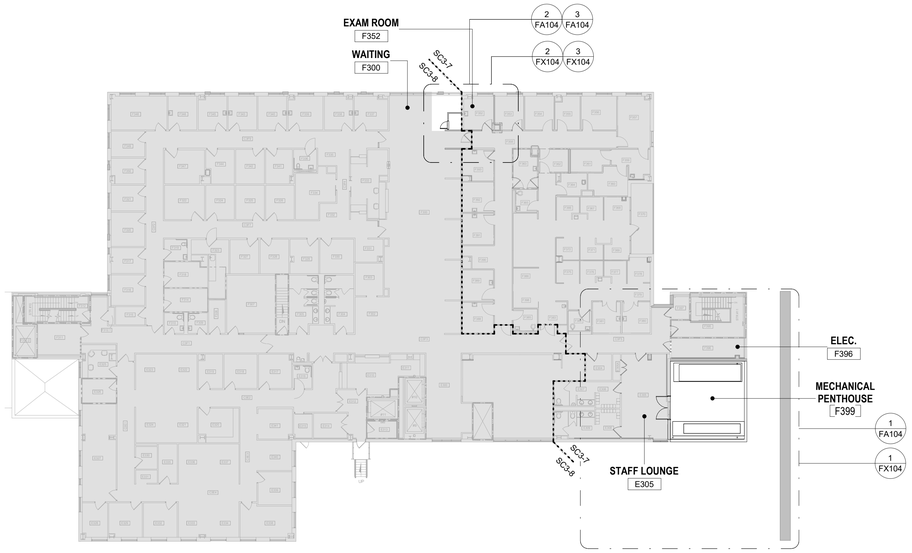
DRAWING # 25 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

5/27/2026 9:37:21 AM

VA FORM 08-6231



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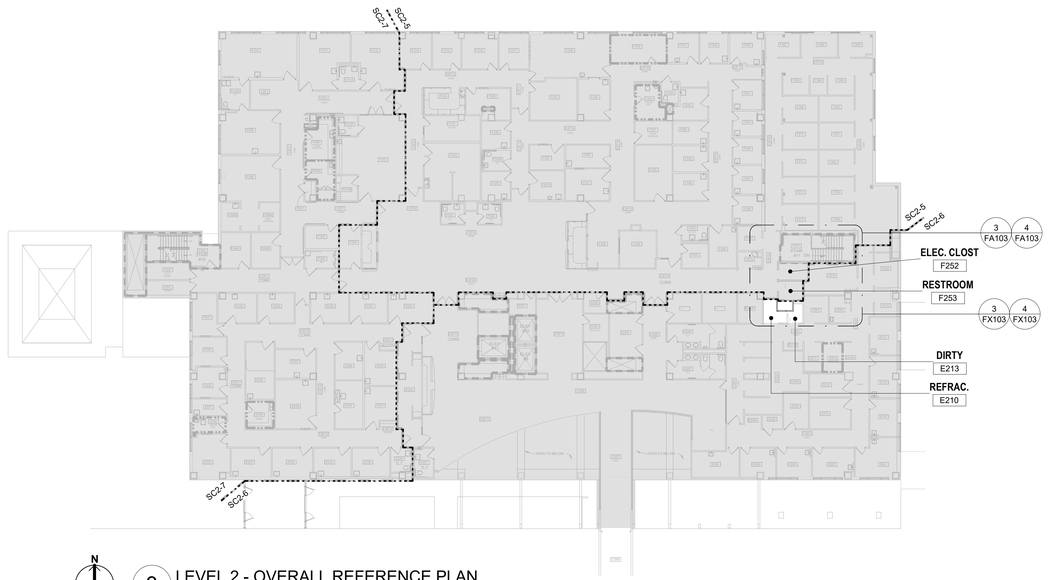
4 LEVEL 3 - OVERALL REFERENCE PLAN
3/64" = 1'-0"



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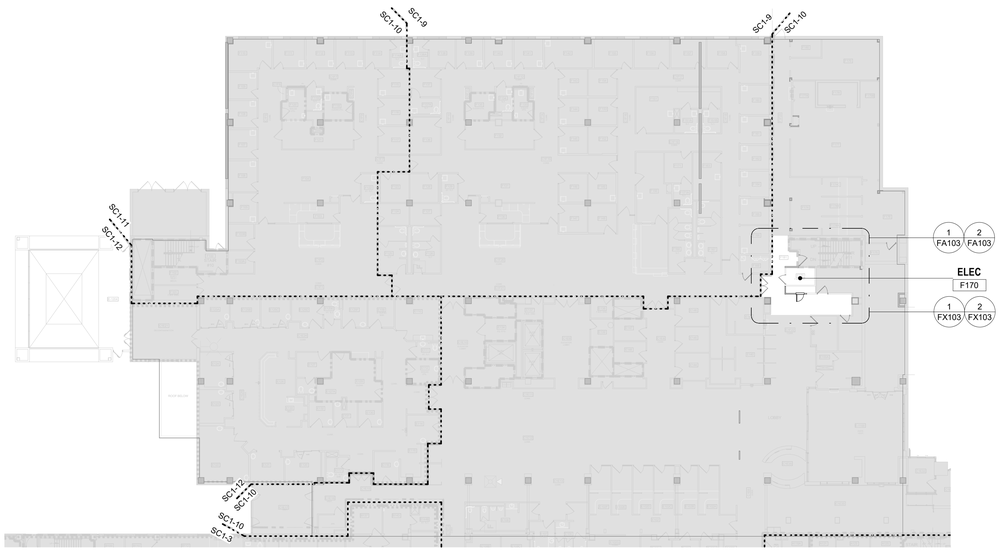

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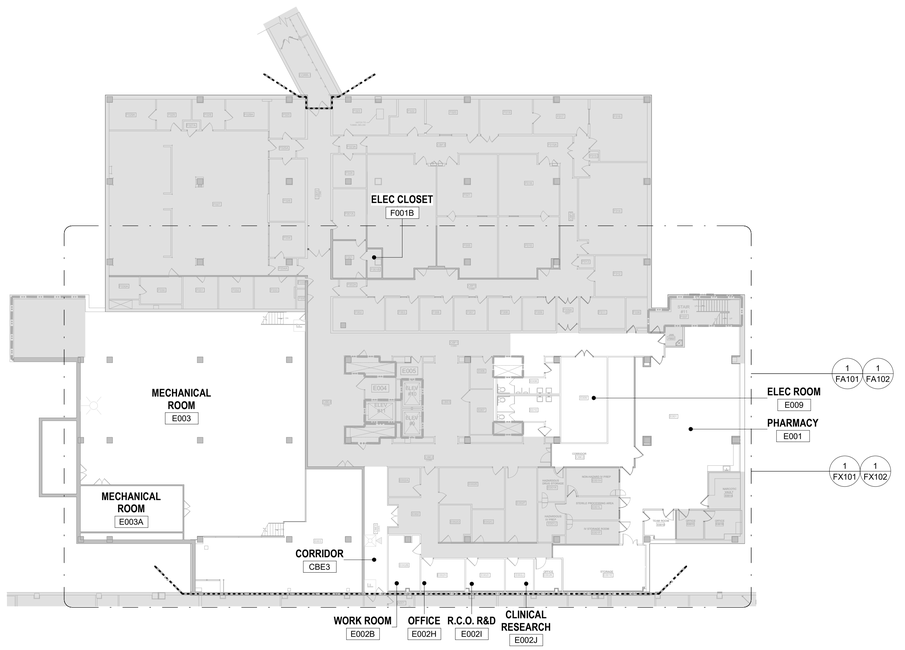
2 LEVEL 1 - OVERALL REFERENCE PLAN
3/64" = 1'-0"



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1 BASEMENT - OVERALL REFERENCE PLAN
3/64" = 1'-0"

0 16 32" 64"

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CONSULTANTS:

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DRAWING TITLE
OVERALL REFERENCE PLANS - BASEMENT, LEVELS 1, 2, AND 3

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **F-101**

DRAWING # 26 OF 74

Veterans Health Administration

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FIRE ALARM GENERAL NOTES

1. SYSTEM DESCRIPTION
   A. THE EXISTING SYSTEM HEREIN IS A IN-BUILDING FIRE EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AS DEFINED BY NFPA 72. UPON AUTOMATIC OR MANUAL ACTIVATION, THE SYSTEM MUST AUTOMATICALLY COMMUNICATE EMERGENCY INFORMATION AS ORIGINALLY PROGRAMMED.
   B. EXISTING SYSTEM MANUFACTURER IS SIEMENS, ALL NEW COMPONENTS SHALL BE MANUFACTURED BY SIEMENS.
2. PURPOSE OF PLANS
   A. THESE PLANS ARE INTENDED TO DEMONSTRATE CRITERIA, DEMONSTRATE CODE COMPLIANCE, AND SOLICIT COMPETITIVE BIDS.
   B. THESE PLANS ARE INTENDED TO DEMONSTRATE COORDINATED AND COMPLIANT LOCATIONS, TYPES, AND SETTINGS OF INITIATING DEVICES, NOTIFICATION APPLIANCES, ANNUNCIATORS, CONTROL UNITS, AND ASSOCIATED MAJOR COMPONENTS.
   C. THESE PLANS ARE NOT INTENDED TO SHOW ALL CIRCUITS, COMPONENTS, ACCESSORIES, AND OTHER DETAILS WHICH MUST BE DOCUMENTED IN THE CONTRACTOR'S SHOP DRAWINGS.
   D. MODIFICATIONS MADE BY THE CONTRACTOR RESULTANT FROM COORDINATION, CALCULATIONS, OR CONTRACTOR ROUTING AND INSTALLATION PREFERENCES MUST BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
   E. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL MANUFACTURER AND MODEL DATA INDICATED HEREIN IS A BASIS OF DESIGN AND IS NOT SOLE-SOURCED.
3. APPLICABLE CRITERIA
   A. VA FIRE PROTECTION DESIGN MANUAL, NINTH EDITION, 2023
   B. INTERNATIONAL BUILDING CODE, 2024
   C. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2025
   D. NFPA 70 NATIONAL ELECTRICAL CODE, 2026
   E. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2025
   F. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATION SYSTEMS, 2024
   G. NFPA 96 STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS, 2024
   H. NFPA 101 LIFE SAFETY CODE, 2024
4. SPECIFICATIONS
   A. REFER TO PROJECT SPECIFICATIONS FOR ANY QUALIFICATIONS, SUBMITTAL, PRODUCT, INSTALLATION, TESTING, AND DOCUMENTATION CRITERIA.
   B. SPECIFICATION CRITERIA STATED ON THESE PLANS IS INTENDED TO SUMMARIZE MAJOR SYSTEM CRITERIA; REFER TO SPECIFICATIONS FOR ALL DETAILS.
   C. IN THE EVENT OF A CONFLICT BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS, THE FOLLOWING CONFLICT RESOLUTION MUST BE FOLLOWED. IF THE CONFLICT IS OF EQUAL SPECIFICITY, THE MORE DEMANDING CRITERIA IS APPLICABLE. IF THE CONFLICT IS OF DIFFERING SPECIFICITY, THE MORE SPECIFIC CRITERIA IS APPLICABLE.
5. SUPERVISING STATION COMMUNICATIONS
   A. EXISTING - NOT MODIFIED BY THE SOW.
   B. ALL FIRE ALARM CONTROL UNITS ARE EXISTING AND SUPERVISING METHOD IS NOT ALTERED BY THE FIRE ALARM WORK REQUIRED FOR THIS PROJECT.
6. INITIATING DEVICES
   A. THIS SYSTEM MUST SUPERVISE INITIATING DEVICES AS INDICATED ON THE PLANS.
   B. SMOKE DETECTOR PLACEMENT RATIONALE - DURING CEILING DEMOLITION - EXISTING SMOKE DETECTION SHALL BE PROTECTED DURING CONSTRUCTION. UPON INSTALLATION OF NEW CEILING SMOKE DETECTION SHALL BE REINSTALLED IN ACCORDANCE WITH NFPA 72, NFPA 101, AND THE VA FIRE PROTECTION DESIGN MANUAL.
   C. FIRE AND SMOKE DAMPERS - SMOKE DAMPERS ARE NOT INCLUDED WITHIN THIS SCOPE OF WORK, AS NO NEW DUCT PENETRATIONS OF SMOKE BARRIERS OR AIR TRANSFER OPENINGS IN SMOKE PARTITIONS ARE PROPOSED. REFER TO THE MECHANICAL DRAWINGS FOR LOCATIONS OF FIRE DAMPERS. FIRE DAMPERS SHALL BE PROVIDED WITH FUSIBLE LINK ACTUATION AND ARE NOT CONNECTED TO OR MONITORED BY THE FIRE ALARM SYSTEM.
   D. DUCT SMOKE DETECTOR PLACEMENT RATIONALE - ALL NEW AHU EQUIPMENT WHICH HAS A SUPPLY IN EXCESS OF 2000 CFM WILL BE PROVIDED WITH NEW DUCT DETECTORS IN ACCORDANCE WITH NFPA 90A. REFER TO PLANS FOR ADDITIONAL INFORMATION ON NEW DUCT DETECTOR LOCATIONS.
7. NOTIFICATION
   A. ALL OCCUPIABLE AREAS MUST ACHIEVE EITHER PUBLIC / PRIVATE MODE AUDIBILITY DEPENDING ON THE AREA OF THE HOSPITAL IS IN THE AFFECTED NOTIFICATION ZONE. AREAS OF DEMOLITION WILL MAINTAIN THE SAME NOTIFICATION REQUIREMENTS POST CONSTRUCTION. THIS PROJECT DOES NOT MODIFY THE OCCUPANCY, NOTIFICATION REQUIREMENTS, OR PROGRAMMING OF FIRE ALARM VOICE EVACUATION SYSTEM.
   B. VISUAL NOTIFICATION IS REQUIRED THROUGHOUT ALL PUBLIC AND COMMON WORK AREAS IN THE AFFECTED NOTIFICATION ZONE.
8. CIRCUITS
   A. CIRCUIT INTEGRITY AND SURVIVABILITY SHALL MATCH EXISTING CONDITIONS.
   B. CIRCUIT CLASS B OR MORE RESILIENT IS REQUIRED.
   C. FIRE ALARM SYSTEM CIRCUITS MUST BE PULLED SPLICE-FREE FROM DEVICE-TO DEVICE.
9. INSTALLATION
   A. ALL COMPONENTS MUST BE COORDINATED WITH OTHER TRADES AND INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE.
   B. SYSTEM INSTALLATION MUST BE PERFORMED IN A NEAT, WORKMAN-LIKE MANNER.
   C. CIRCUITS MAY ONLY BE PULLED INTO A CABINET WHEN NECESSARY FOR TERMINATION ON EQUIPMENT INSIDE THAT CABINET.
   D. DEVICES INSTALLED ON ACOUSTICAL CEILING TILES MUST BE INSTALLED USING CEILING BRIDGES.
   E. THE LOCATION AND ORIENTATION OF PLFA, NPLFA, AND POWER CIRCUITS MUST BE PRE-PLANNED INSIDE THE CABINET PRIOR TO ANY CABINET KNOCKOUTS BEING REMOVED. LOCATE POWER SUPPLY IN A LOCATION TO MINIMIZE CONFLICT WITH PLFA AND NPLFA CIRCUITS.
   F. AT SURGE PROTECTIVE DEVICES, THE PROTECTED AND UNPROTECTED CABLE MUST NOT BE IN CONTACT AND MUST NOT BE INSTALLED IN THE SAME CONDUIT.
   G. ALL INSTALLATION AND TESTING MUST COMPLY WITH THE APPLICABLE CRITERIA AND MANUFACTURER'S INSTRUCTIONS.
   H. THE SYSTEM MUST BE TURNED OVER TO THE OWNER IN LIKE-NEW CONDITION. THE CONTRACTOR MUST REPLACE DAMAGED COMPONENTS WITH NEW COMPONENTS IF DAMAGED BEFORE TURNOVER.

FIRE ALARM LEGEND

F	MANUAL PULL STATION
F	EXISTING MANUAL PULL STATION - TO REMAIN
S	EXISTING SPEAKER - TO REMAIN
S	SPEAKER
S	EXISTING SPEAKER/STROBE - TO REMAIN
	EXISTING STROBE - WALL MOUNT - TO REMAIN
	EXISTING STROBE - CEILING MOUNT - TO REMAIN
S	EXISTING SMOKE DETECTOR - SPOT TYPE - TO REMAIN OR RELOCATE
S	SMOKE DETECTOR - SPOT TYPE
(S)	EXISTING SMOKE DETECTOR - DUCT TYPE - TO REMAIN
(S)	SMOKE DETECTOR - DUCT TYPE
	SYMBOL MODIFIERS
*n*cd	CANDELA RATING
*n*W	WATT TAP
C	CEILING MOUNT
SA	SUPPLY AIR DUCT
RA	RETURN AIR DUCT

one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
three inches = one foot
one and one half inches = one foot

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DRAWING TITLE
FIRE ALARM NOTES MATRIX AND RISER DIAGRAM

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FA001**

DRAWING # 27 OF 74

Veterans Health Administration

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100% CONSTRUCTION DOCUMENTS

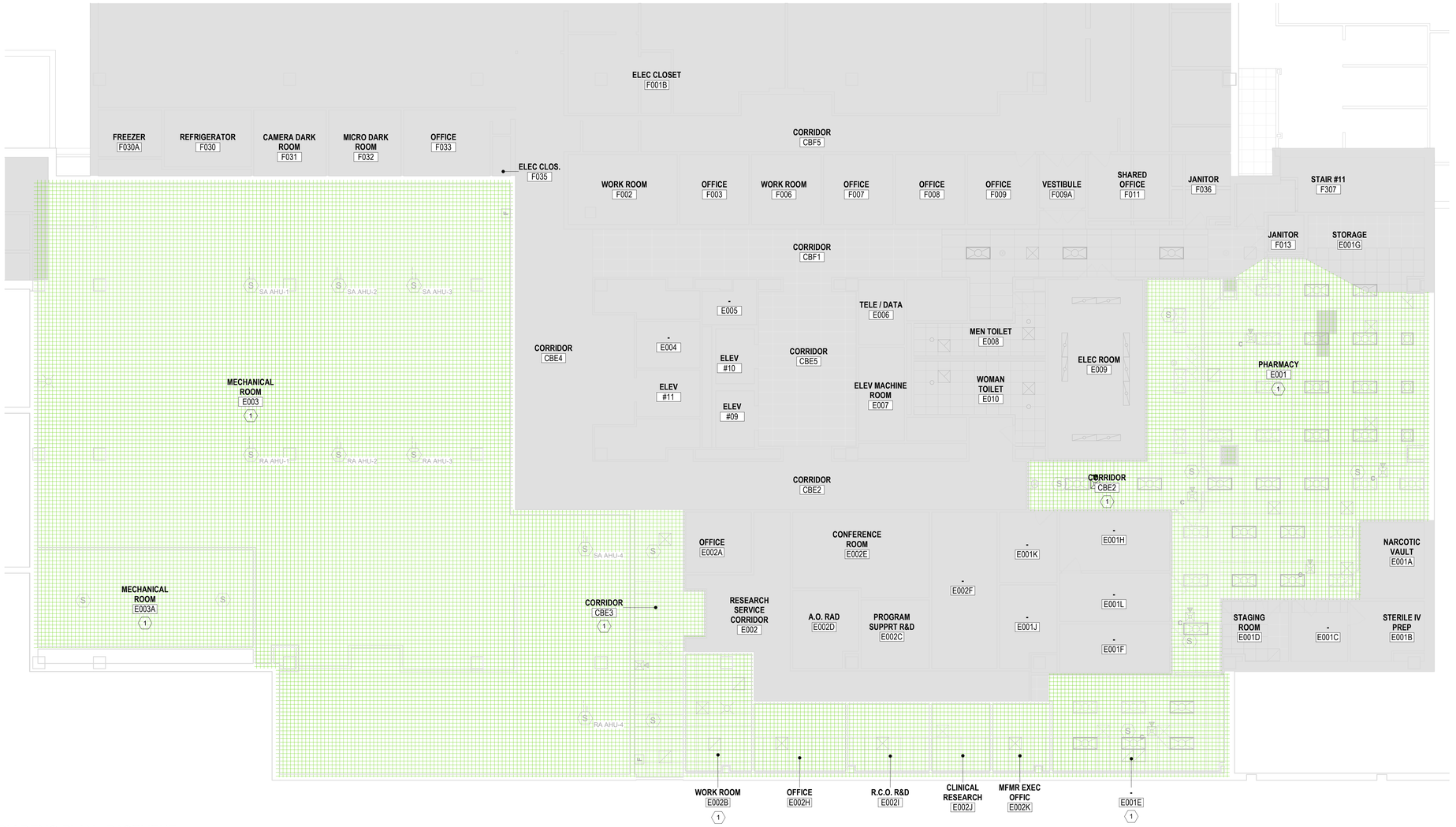
VA FORM 08-6231

FIRE PROTECTION LEGEND

	AREA NOT IN SCOPE
	THE AREA OF DEMOLITION IS SPECIFIC TO EXISTING CEILING AND HVAC SYSTEM COMPONENTS, THE FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE AND REINSTALLED UPON COMPLETION OF NEW CEILING AND HVAC SYSTEM COMPONENTS IN ACCORDANCE WITH APPLICABLE CRITERIA

KEYNOTES

1	PROTECT CEILING MOUNT FIRE ALARM SYSTEM COMPONENTS, WIRING, CONDUIT, AND EQUIPMENT AS REQUIRED TO FACILITATE THE AHU/MECHANICAL REPLACEMENT AND CEILING RECONFIGURATION.



N

1 FIRE ALARM DEMO PLAN - BASEMENT
1/8" = 1'-0"

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0 4' 8' 16'

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DRAWING TITLE
FIRE ALARM DEMO PLAN - BASEMENT

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FA101**

DRAWING # 28 OF 74

Veterans Health Administration

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VA FORM 08-6231

FIRE PROTECTION LEGEND

	AREA NOT IN SCOPE

KEYNOTES

1	REINSTALL EXISTING FIRE ALARM EQUIPMENT IN ACCORDANCE WITH NFPA 72, NFPA 101, AND THE VA FIRE PROTECTION DESIGN MANUAL.

1 FIRE ALARM PLAN - BASEMENT
1/8" = 1'-0"

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0 4' 8' 16'

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DRAWING TITLE
FIRE ALARM PLAN - BASEMENT

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FA102**

DRAWING # 29 OF 74

Veterans Health Administration

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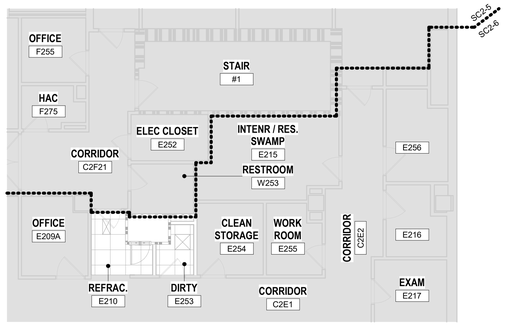
VA FORM 08-6231

FIRE PROTECTION LEGEND

	AREA NOT IN SCOPE
	THE AREA OF DEMOLITION IS SPECIFIC TO EXISTING CEILING AND HVAC SYSTEM COMPONENTS, THE FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE AND REINSTALLED UPON COMPLETION OF NEW CEILING AND HVAC SYSTEM COMPONENTS IN ACCORDANCE WITH APPLICABLE CRITERIA

KEYNOTES

1	PROTECT CEILING MOUNT FIRE ALARM SYSTEM COMPONENTS, WIRING, CONDUIT, AND EQUIPMENT AS REQUIRED TO FACILITATE THE AHU/MECHANICAL REPLACEMENT AND CEILING RECONFIGURATION.
2	REINSTALL EXISTING FIRE ALARM EQUIPMENT IN ACCORDANCE WITH NFPA 72, NFPA 101, AND THE VA FIRE PROTECTION DESIGN MANUAL.



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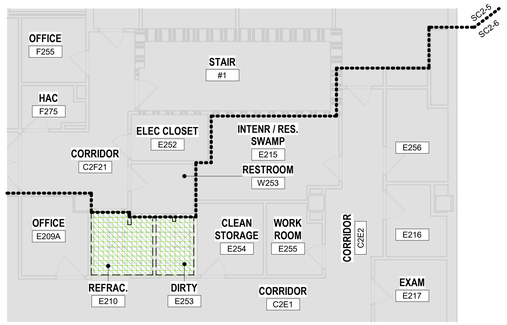
4 FIRE ALARM PLAN - LEVEL 2
1/8" = 1'-0"



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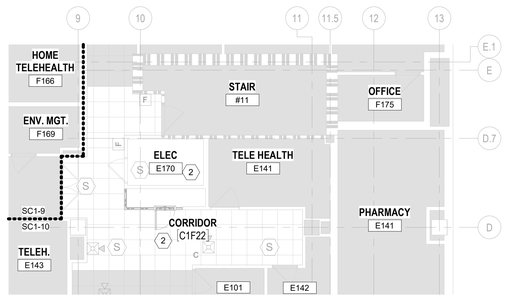
3 FIRE ALARM DEMO PLAN - LEVEL 2
1/8" = 1'-0"



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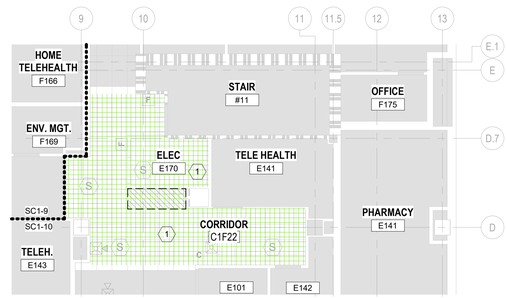
2 FIRE ALARM PLAN - LEVEL 1
1/8" = 1'-0"



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1 FIRE ALARM DEMO PLAN - LEVEL 1
1/8" = 1'-0"

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DRAWING TITLE
FIRE ALARM ENLARGED DEMOLITION AND PLANS - LEVEL 1 AND 2

VA HEALTH CARE SYSTEM APPROVAL:

0 4' 8' 16'

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER
589A4-25-102

BUILDING NUMBER
1

DRAWING NUMBER
FA103
DRAWING # 30 OF 74

Veterans Health Administration

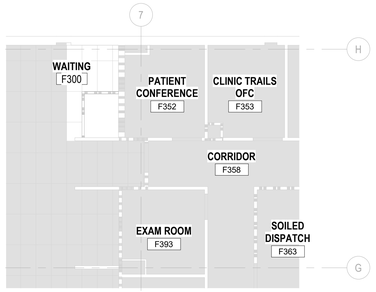
VA | U.S. Department of Veterans Affairs

FIRE PROTECTION LEGEND

	AREA NOT IN SCOPE
	THE AREA OF DEMOLITION IS SPECIFIC TO EXISTING CEILING AND HVAC SYSTEM COMPONENTS, THE FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE AND REINSTALLED UPON COMPLETION OF NEW CEILING AND HVAC SYSTEM COMPONENTS IN ACCORDANCE WITH APPLICABLE CRITERIA

KEYNOTES

1	MECHANICAL PENTHOUSE F399 IS AN EXTENSION OF SMOKE COMPARTMENT 3.7



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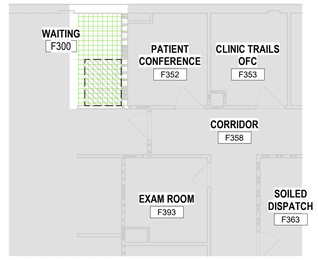
3 FIRE ALARM PLAN - LEVEL 3
1/8" = 1'-0"



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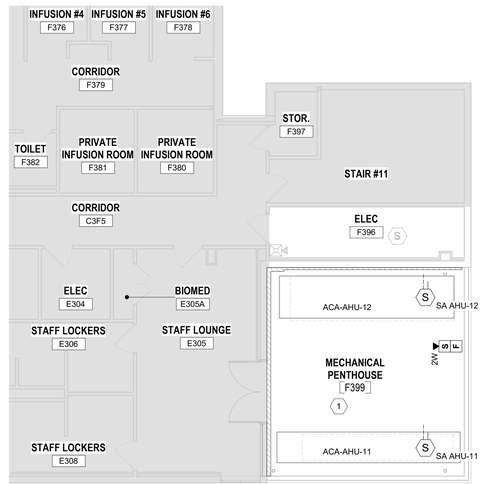
2 FIRE ALARM DEMO PLAN - LEVEL 3
1/8" = 1'-0"



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1 FIRE ALARM PLAN - LEVEL 3
1/8" = 1'-0"

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312 SW 25TH STREET
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(405) 842-6100

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4015 VITRUVIAN WAY, UNIT 1212
ADDISON, TX 75001
PHONE NUMBER

FIRE PROTECTION ENGINEER
RATED ENGINEERING
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EDMOND, OK 73003
(405) 210-5814

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DRAWING TITLE
FIRE ALARM DEMOLITION AND PLANS - LEVEL 3

VA HEALTH CARE SYSTEM APPROVAL:

0 4' 8' 16'

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

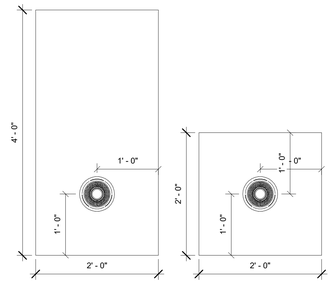
PROJECT NUMBER
589A4-25-102

BUILDING NUMBER
1

DRAWING NUMBER
FA104
DRAWING # 31 OF 74

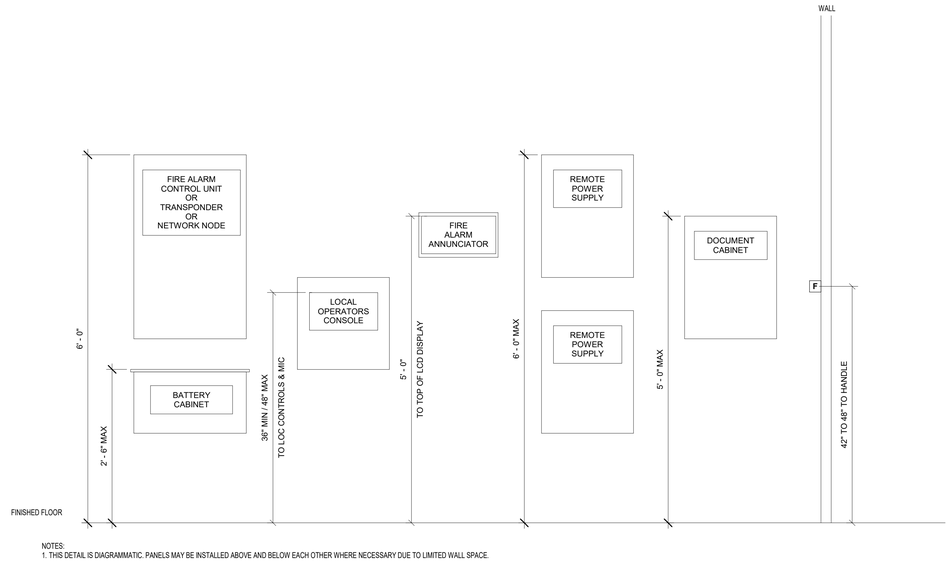
Veterans Health Administration
VA | U.S. Department of Veterans Affairs

VA FORM 08-6231



DETAIL NOTES:
1. DETAIL TYPICAL FOR ALL CEILING-MOUNT FIRE ALARM DEVICES, NOT JUST THE INDICATED SPEAKER/STROBE.
2. INSTALL FIRE ALARM DEVICES IN 2' X 4' AND 2' X 2' CEILING TILES AS INDICATED ABOVE.
3. ALIGN FIRE ALARM DEVICES AMONGST ADJACENT CEILING TILES WHERE IN THE SAME FIELD OF VIEW INCLUDING THROUGH OPEN DOORS AND GLASS PARTITIONS.
4. WHERE FIRE ALARM DEVICES ARE INSTALLED IN CEILINGS OTHER THAN 2' X 4' AND 2' X 2' CEILING TILES, ALIGN WITH LIGHTS, DIFFUSERS, AND ARCHITECTURAL FEATURES.

2 FIRE ALARM DEVICE CEILING TILE INSTALLATION DETAIL
NTS



NOTES:
1. THIS DETAIL IS DIAGRAMMATIC. PANELS MAY BE INSTALLED ABOVE AND BELOW EACH OTHER WHERE NECESSARY DUE TO LIMITED WALL SPACE.

1 FIRE ALARM EQUIPMENT MOUNTING HEIGHTS
NTS

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CONSULTANTS:

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DRAWING TITLE
FIRE ALARM DETAILS

VA HEALTH CARE SYSTEM APPROVAL:

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PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FA501**

DRAWING # 32 OF 74

Veterans Health Administration

VA | U.S. Department of Veterans Affairs

FIRE SUPPRESSION GENERAL NOTES

1. SYSTEM DESCRIPTION
   A. THE AUTOMATIC FIRE SUPPRESSION SYSTEMS IN THIS BUILDING AFFECTED BY THE SCOPE OF WORK IS: WET PIPE SPRINKLER SYSTEMS.
2. PURPOSE OF PLANS
   A. THESE PLANS ARE INTENDED TO DEMONSTRATE CRITERIA, DEMONSTRATE CODE COMPLIANCE, AND SOLICIT COMPETITIVE BIDS.
   B. THESE PLANS ARE INTENDED TO DEMONSTRATE A COORDINATED PROOF-OF-CONCEPT. THE CONTRACTOR MAY DEVIATE FROM THE LAYOUT INDICATED HEREIN BUT MUST MAINTAIN COMPLIANCE WITH THE APPLICABLE CRITERIA, PROJECT SPECIFICATIONS, AND SPECIFIC NOTES AND KEYNOTES ON THESE DRAWINGS.
   C. THESE PLANS ARE NOT INTENDED TO BE USED FOR CONSTRUCTION.
   D. MODIFICATIONS MADE BY THE CONTRACTOR RESULTANT FROM COORDINATION, CALCULATIONS, OR CONTRACTOR ROUTING AND INSTALLATION PREFERENCES MUST BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
   E. THESE PLANS ARE NOT INTENDED TO SHOW ALL HANGERS, COMPONENTS, ACCESSORIES, AND OTHER DETAILS WHICH WILL BE DOCUMENTED IN THE CONTRACTOR'S SHOP DRAWINGS, CALCULATIONS, AND PRODUCT DATA SELECTIONS.
   F. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL MANUFACTURER AND MODEL DATA INDICATED HEREIN IS A BASIS OF DESIGN AND IS NOT SOLE-SOURCED. THE CONTRACTOR MAY SELECT THEIR OWN MANUFACTURER AND MODEL, EXCEPT WHERE EXPLICITLY NOTED OTHERWISE.
   G. FITTING AND COUPLING TYPE INDICATED ON PLANS IS NOT CONTRACTUALLY BINDING; REFER TO SPECIFICATIONS FOR FITTING AND COUPLING REQUIREMENTS.
   H. AS THE CONTRACTOR REVISES AND COORDINATES THEIR LAYOUT WITH OTHER TRADES, THE NUMBER OF TRAPPED SECTIONS MUST BE AS MINIMAL AS FEASIBLE.
3. APPLICABLE CRITERIA
   A. VA FIRE PROTECTION DESIGN MANUAL, NINTH EDITION, 2023
   B. INTERNATIONAL BUILDING CODE, 2024
   C. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2025
   D. NFPA 70 NATIONAL ELECTRICAL CODE, 2026
   E. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2025
   F. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATION SYSTEMS, 2024
   G. NFPA 96 STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS, 2024
   H. NFPA 101 LIFE SAFETY CODE, 2024
4. SPECIFICATIONS
   A. REFER TO PROJECT SPECIFICATIONS FOR MANY QUALIFICATIONS, SUBMITTAL, PRODUCT, INSTALLATION, TESTING, AND DOCUMENTATION CRITERIA. THE PROJECT SPECIFICATIONS ARE WRITTEN WITH INTENT AND WILL BE ENFORCED.
   B. SPECIFICATION CRITERIA STATED ON THESE PLANS IS INTENDED TO SUMMARIZE MAJOR SYSTEM CRITERIA. REFER TO SPECIFICATIONS FOR ALL DETAILS.
5. DESIGN
   A. EXISTING FIRE SPRINKLER SYSTEM SHALL BE PROTETED AND MAINTAINED DURING DEMOLITION OF CEILING AND INSTALLATION OF NEW HVAC AND CEILING EQUIPMENT. ANY MODIFICATIONS MADE TO ACCOMODATE HVAC DESIGN WHICH IMPACT THE FIRE SPRINKLER DESIGN SHALL BE ADDRESSED IN ACCORDANCE WITH APPLICABLE CRITERIA. REFERENCE PLANS FOR ADDITIONAL INFORMATION ON FLOORPLAN MODIFICATIONS AND ANTICIPATED CEILING DEMOLITION AREAS.
6. INSTALLATION
   A. ALL COMPONENTS MUST BE COORDINATED WITH OTHER TRADES AND INSTALLED PARALLEL OR PERPINDICULAR TO THE BUILDING STRUCTURE.
   B. SYSTEM INSTALLATION MUST BE PERFORMED IN A NEAT, WORKMAN-LIKE MANNER.
   C. ALL INSTALLATION AND TESTING MUST COMPLY WITH THE APPLICABLE CRITERIA AND MANUFACTURER'S INSTRUCTIONS.
   D. THE SYSTEM MUST BE TURNED OVER TO THE OWNER IN LIKE-NEW CONDITION. THE CONTRACTOR MUST REPLACE DAMAGED COMPONENTS WITH NEW COMPONENTS IF DAMAGED BEFORE TURNOVER.
   E. ALL EXPOSED SPINKLER PIPING, NEW OR EXISTING, TO BE PAINTED RED.

three inches = one foot 6"
one and one half inches = one foot 1 6" 0
one inch = one foot 2 6" 0
three quarters inch = one foot 2 6" 0
one half inch = one foot 4 0
three eighths inch = one foot 4 0
one quarter inch = one foot 8 4 0
one eighth inch = one foot 16 8 4 0

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DRAWING TITLE
FIRE SUPPRESSION GENERAL NOTES AND LEGEND

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FX001**

DRAWING # 33 OF 74

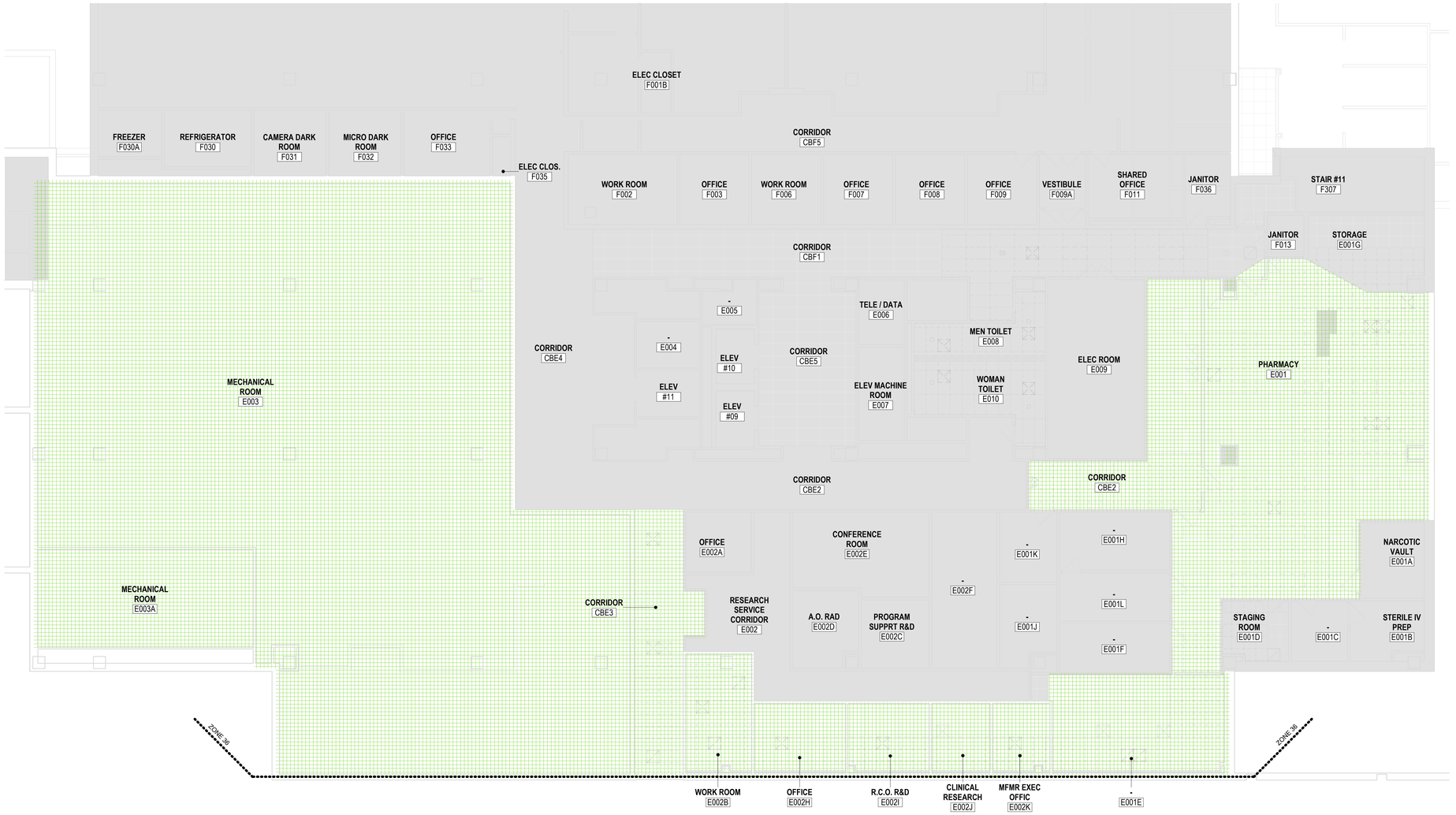
Veterans Health Administration

VA | U.S. Department of Veterans Affairs

VA FORM 08-6231

FIRE PROTECTION LEGEND

	AREA NOT IN SCOPE
	THE AREA OF DEMOLITION IS SPECIFIC TO EXISTING CEILING AND HVAC SYSTEM COMPONENTS, THE FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE AND REINSTALLED UPON COMPLETION OF NEW CEILING AND HVAC SYSTEM COMPONENTS IN ACCORDANCE WITH APPLICABLE CRITERIA



N

1 FIRE SUPPRESSION DEMO PLAN - BASEMENT
1/8" = 1'-0"

FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

0 4' 8' 16'

No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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DRAWING TITLE
FIRE SUPPRESSION DEMO PLAN - BASEMENT

VA HEALTH CARE SYSTEM APPROVAL:

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LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
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DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FX101**

DRAWING # 34 OF 74

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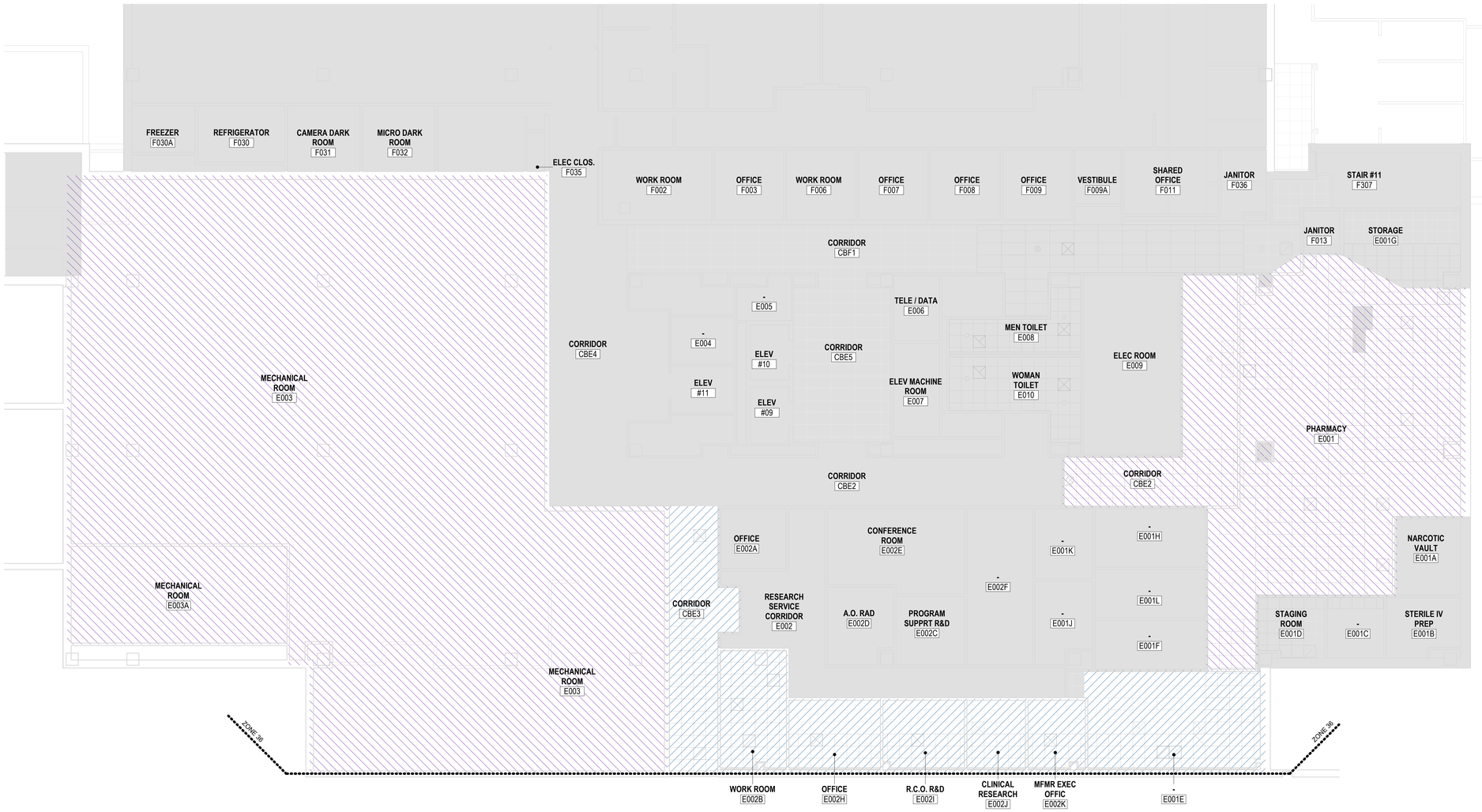
HAZARD CLASSIFICATION HATCH LEGEND

	LIGHT HAZARD SPRINKLER: 0.1/1500 GPM/SF HOSE: 100 GPM FOR 30 MINUTES
	ORDINARY HAZARD (GROUP 1) SPRINKLER: 0.15/1500 GPM/SF HOSE: 250 GPM FOR 60 MINUTES
	ORDINARY HAZARD (GROUP 2) SPRINKLER: 0.2/1500 GPM/SF HOSE: 500 GPM FOR 90 MINUTES
	AREA NOT IN SCOPE



N

1 FIRE SUPPRESSION PLAN - BASEMENT
1/8" = 1'-0"

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0 4' 8' 16'

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DRAWING TITLE
FIRE SUPPRESSION PLAN - BASEMENT

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FX102**

DRAWING # 35 OF 74

Veterans Health Administration

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VA FORM 08-6231

HAZARD CLASSIFICATION HATCH LEGEND

	LIGHT HAZARD SPRINKLER: 0.1/1500 GPM/SF HOSE: 100 GPM FOR 30 MINUTES
	ORDINARY HAZARD (GROUP 1) SPRINKLER: 0.15/1500 GPM/SF HOSE: 250 GPM FOR 60 MINUTES
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FIRE PROTECTION LEGEND

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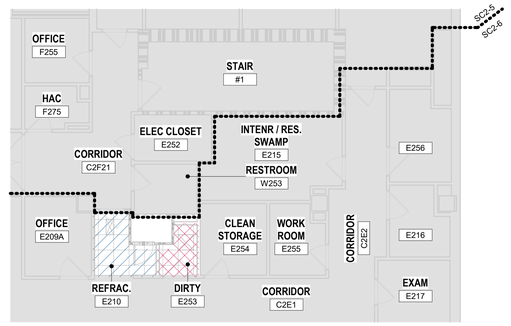

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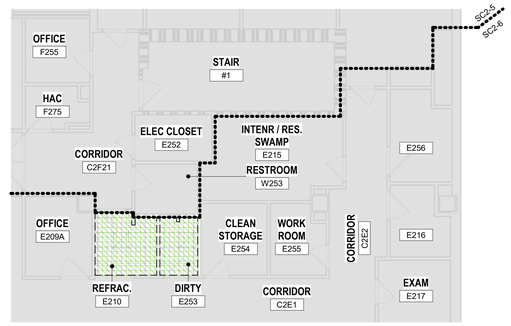
4 FIRE SUPPRESSION PLAN - LEVEL 2
1/8" = 1'-0"



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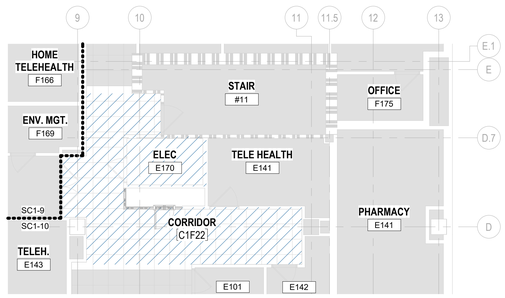
3 FIRE SUPPRESSION DEMO PLAN - LEVEL 2
1/8" = 1'-0"



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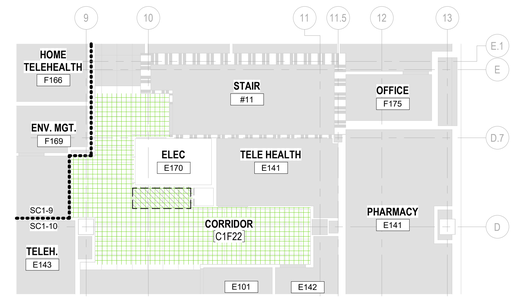
2 FIRE SUPPRESSION PLAN - LEVEL 1
1/8" = 1'-0"



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1 FIRE SUPPRESSION DEMO PLAN - LEVEL 1
1/8" = 1'-0"

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FIRE SUPPRESSION ENLARGED DEMOLITION AND PLANS - LEVEL 1 AND 2

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FX103**

DRAWING # 36 OF 74

Veterans Health Administration

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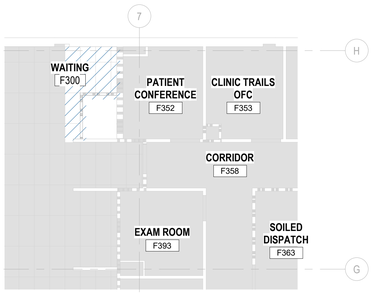

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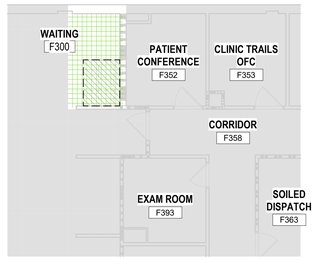
3 FIRE SUPPRESSION PLAN - LEVEL 3
1/8" = 1'-0"



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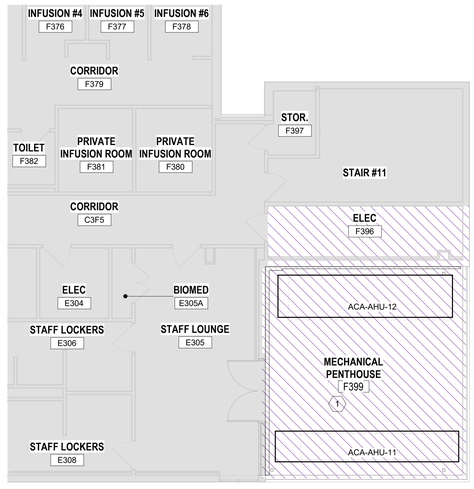
2 FIRE SUPPRESSION DEMO PLAN - LEVEL 3
1/8" = 1'-0"



N

1 FIRE SUPPRESSION PLAN - LEVEL 3
1/8" = 1'-0"

HAZARD CLASSIFICATION HATCH LEGEND

	LIGHT HAZARD SPRINKLER: 0.1/1500 GPM/SF HOSE: 100 GPM FOR 30 MINUTES
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FIRE PROTECTION LEGEND

	AREA NOT IN SCOPE
	THE AREA OF DEMOLITION IS SPECIFIC TO EXISTING CEILING AND HVAC SYSTEM COMPONENTS. THE FIRE PROTECTION SYSTEM COMPONENTS SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE AND REINSTALLED UPON COMPLETION OF NEW CEILING AND HVAC SYSTEM COMPONENTS IN ACCORDANCE WITH APPLICABLE CRITERIA

KEYNOTES

1	MECHANICAL PENTHOUSE F399 IS AN EXTENSION OF SMOKE COMPARTMENT 3.7

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No.	REVISION DESCRIPTION	DATE

CONSULTANTS:

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FIRE SUPPRESSION DEMOLITION AND PLANS - LEVEL 3

VA HEALTH CARE SYSTEM APPROVAL:

PROJECT TITLE
INSTALL DEDICATED PHARMACY AIR HANDLER

LOCATION HARRY S. TRUMAN VAMC
800 HOSPITAL DRIVE
COLUMBIA, MO 65201

DATE **05/28/2026** | CHECKED DBN | DRAWN JCP

PROJECT NUMBER **589A4-25-102**

BUILDING NUMBER 1

DRAWING NUMBER **FX104**

DRAWING # 37 OF 74

Veterans Health Administration

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100% CONSTRUCTION DOCUMENTS

0 4' 8" 16'

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