



Outpatient Mental Health Building Sioux Falls VAMC

Sioux Falls, South Dakota

VA PROJECT NUMBER: VA 438-450

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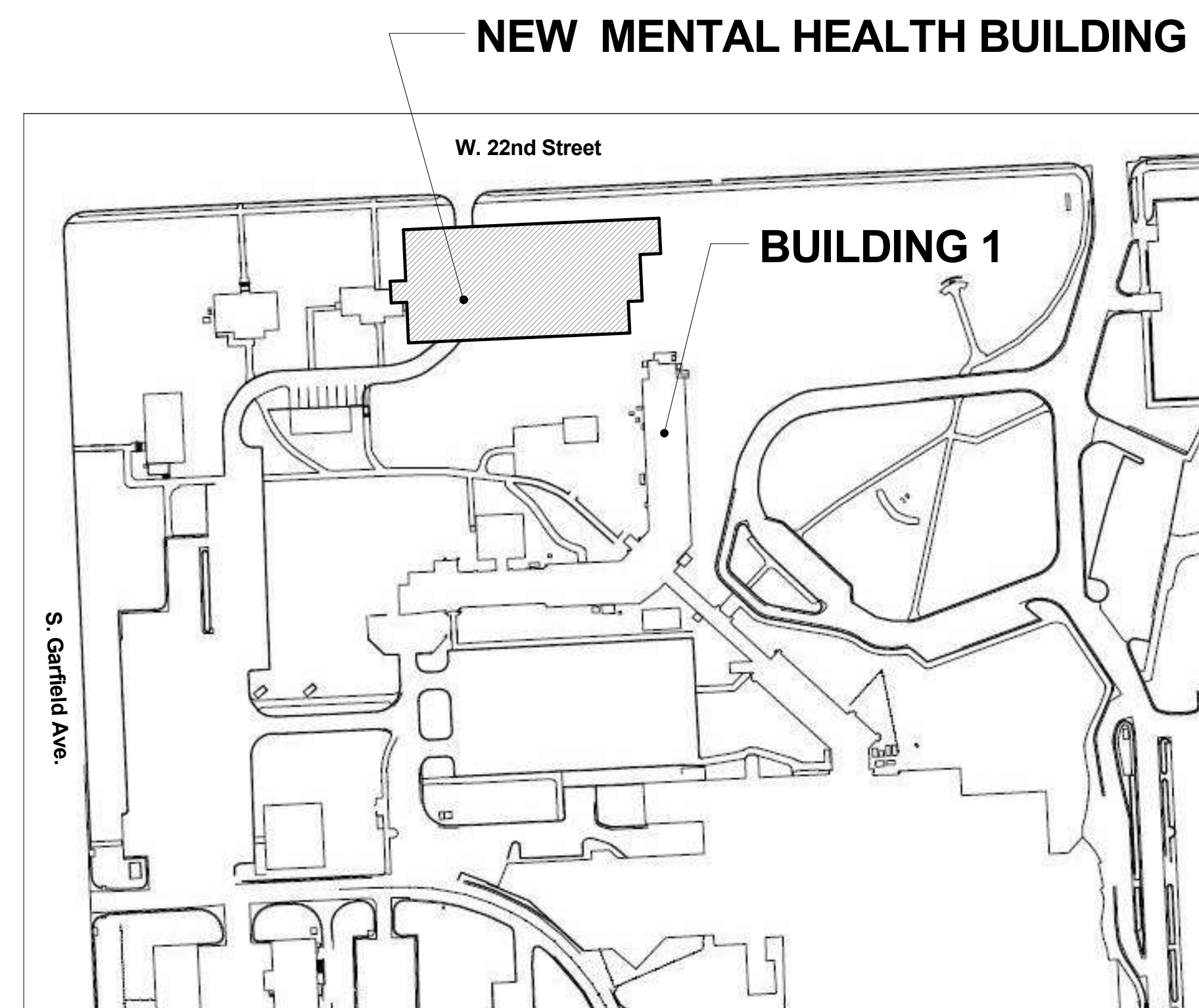
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VICINITY MAP



SITE LOCATION MAP



NOT FOR CONSTRUCTION

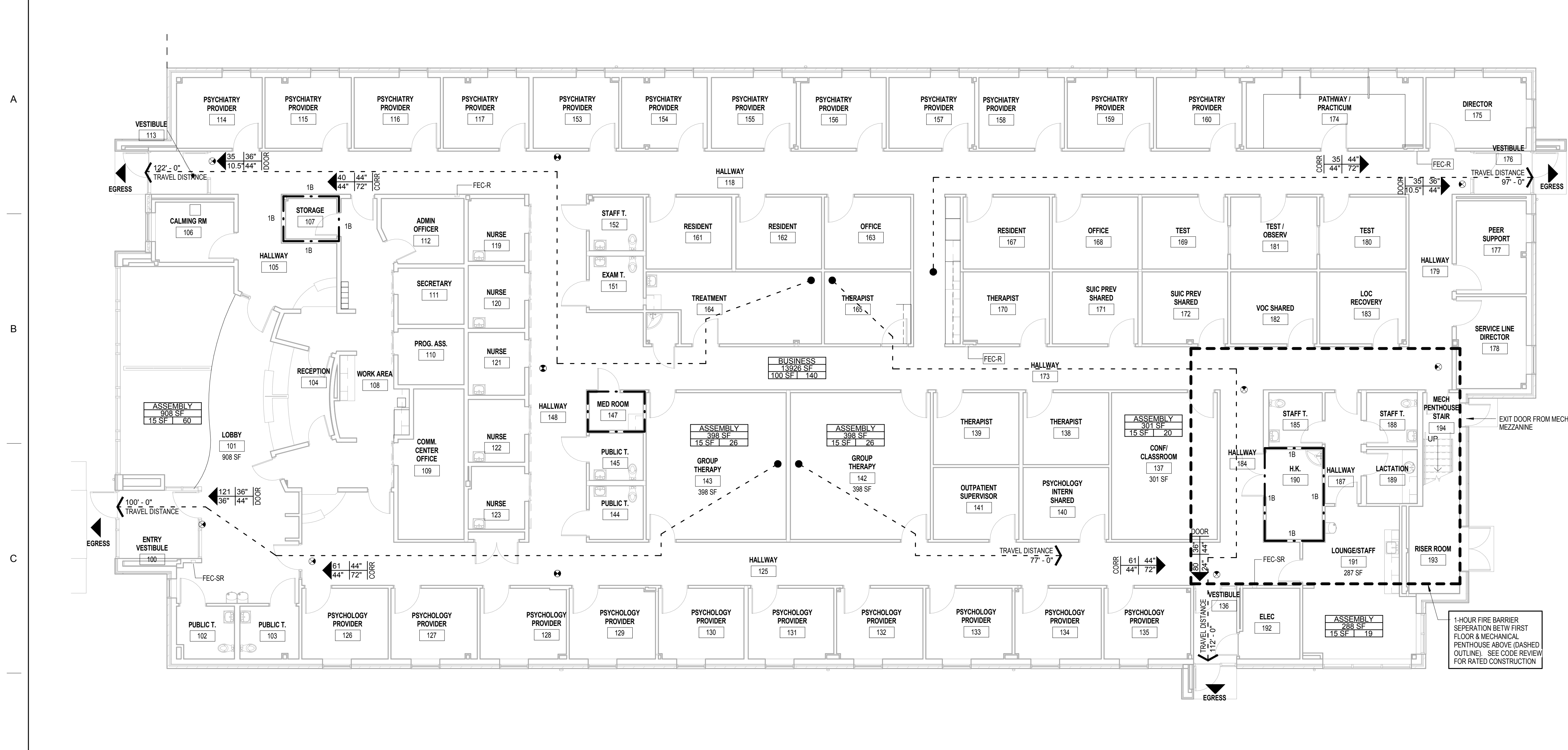
Revisions	Date	CONSULTANT 730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel: 612-338-8741 Fax: 612-338-4840	ARCHITECT/ENGINEER OF RECORD Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (t) 763-412-4090 (f) www.ae-rmi.com AE PROJECT NO.: 14541	Stamp 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title COVER SHEET	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450	
						Approved: Project Director	FULLY SPRINKLERED	Location 2501 W 22nd St, Sioux Falls, SD, 57105	Building Number G101	
							Issue Date 10/01/2018	Checked PDD	Drawn PYC	Dwg. 1 of 102

Table with columns A through Z containing various abbreviations and their definitions, such as 'A LABEL CLASS A DOOR', 'CONC FLR CONCRETE FLOOR', 'FOW FACE OF WALL', etc.

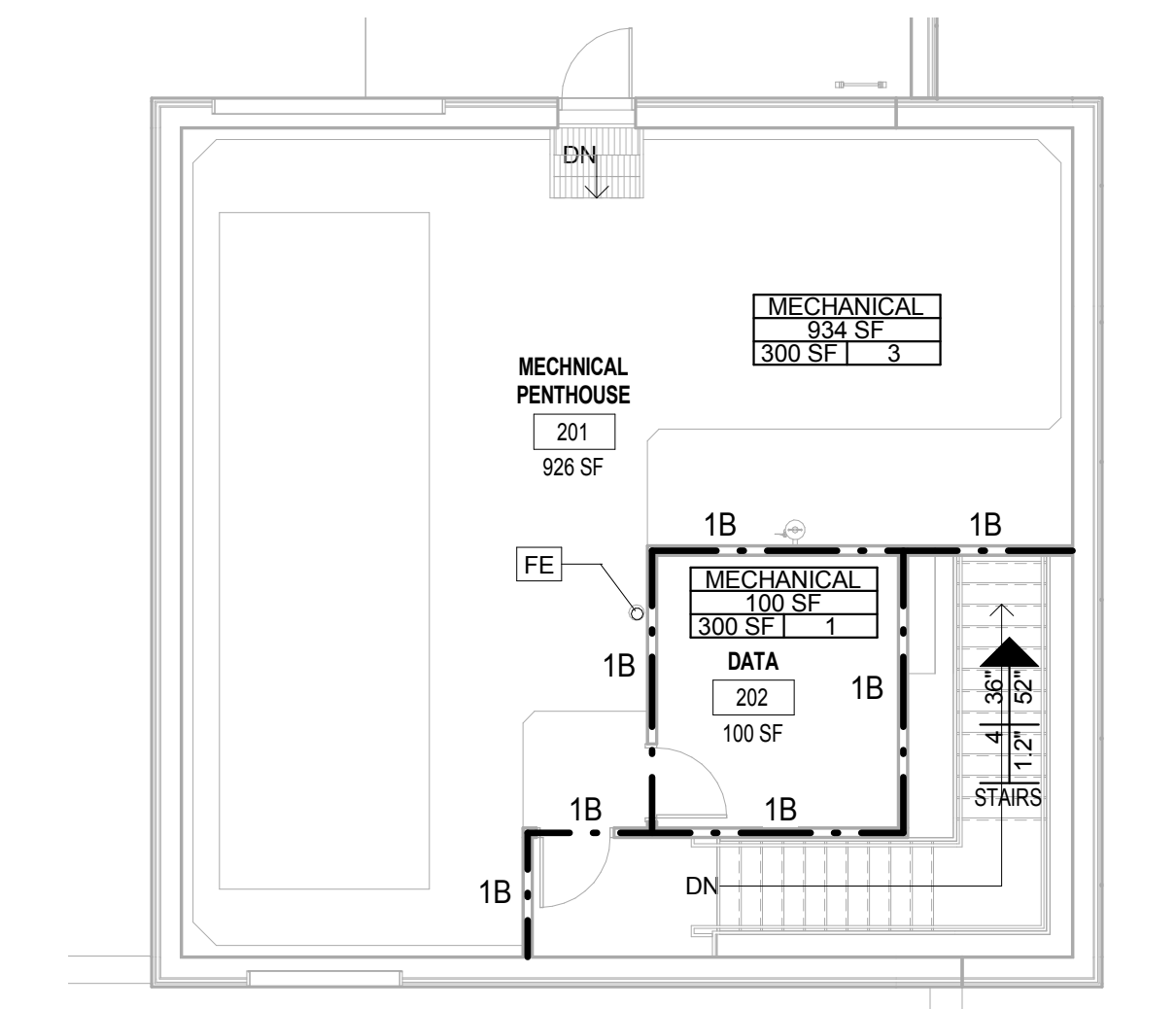
Table with columns A through Z containing various abbreviations and their definitions, such as 'ROOM FINISHES SCHEDULE ABBREVIATIONS', 'ROOM OPENING SCHEDULE ABBREVIATIONS', 'MEDICAL ABBREVIATIONS', 'FURNITURE AND EQUIPMENT ABBREVIATIONS', 'REFERENCE ABBREVIATIONS', 'GA - GYPSUM ASSOCIATION', 'IBC - INTERNATIONAL BUILDING CODE', etc.

Table with columns A through Z containing various abbreviations and their definitions, such as 'A LABEL CLASS A DOOR', 'CONC FLR CONCRETE FLOOR', 'FOW FACE OF WALL', etc.

Project information block including: CONSULTANT (LEO A DALY), ARCHITECT/ENGINEER OF RECORD (ANDERSON ENGINEERING), Office of Construction and Facilities Management, Drawing Title (ABBREVIATIONS), Phase (100% BID DOCUMENTS), Project Title (Outpatient Mental Health Building), Project Number (VA #438-450), Location (2501 W 22nd St, Sioux Falls, SD, 57105), Issue Date (10/01/2018), Checked (PDD), Drawn (PYC), Drawing Number (G103), Dwg. 3 of 102.



1 FIRST FLOOR CODE PLAN
1/8" = 1'-0"



2 PENTHOUSE CODE PLAN
1/8" = 1'-0"

**OUTPATIENT MENTAL HEALTH CLINIC
VA MEDICAL CENTER, SIOUX FALLS, SOUTH DAKOTA
VA PROJECT # 438-450**

CODE COMPLIANCE REVIEW - GENERAL
NEW OUTPATIENT MENTAL HEALTH FACILITY.

OCCUPANCY CLASSIFICATION -
TYPE B OCCUPANCY

NFPA 101 LIFE SAFETY CODE CHAPTER 38 - NEW BUSINESS OCCUPANCIES.

CONSTRUCTION TYPE (NFPA 220, 2015 ED. TABLE 4.1.1):
TYPE II (000)

NEW BUILDING CONSTRUCTION ELEMENTS -
EXTERIOR NON BEARING WALLS - BRICK / STONE VENEER OR METAL PANEL SYSTEM ON METAL STUD BACKUP.
INTERIOR NON BEARING WALLS - GYPSUM WALL BOARD ON METAL STUDS.
STRUCTURAL FRAMING - STEEL COLUMNS AND BEAMS.
ROOF CONSTRUCTION - METAL DECK SUPPORTED BY STEEL BEAMS AND JOISTS.
PENTHOUSE FLOOR CONSTRUCTION - POURED CONCRETE ON METAL DECK OVER STEEL FRAMING.

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING TYPE - NFPA TABLE 7.2.1.1

PRIMARY STRUCTURAL FRAME - (0)
BEARING WALLS
EXTERIOR (0)
INTERIOR (0)

NONBEARING WALLS AND PARTITIONS (SEE SECT 7.3)
EXTERIOR (0)
INTERIOR (0)

FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (0)
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (0)

ALLOWABLE FLOOR AREA -
NEW BUILDING - (1 STORY)
FIRST FLOOR AREA = 15,918 SF.
MECHANICAL PENTHOUSE (ACCESSARY) - FLOOR AREA = 1,552 SF.

TOTAL ALLOWABLE AREA (NFPA, TABLE 7.4.1) = 18,000 SF. PER STORY.
TOTAL ALLOWABLE STORIES = 5

ALLOWABLE BUILDING HEIGHT -
ACTUAL BUILDING HT = 33 FEET.
ALLOWABLE BUILDING HEIGHT (NFPA, TABLE 7.4.1) = 75 FEET.

AUTOMATIC SPRINKLER SYSTEM -
FULLY PROTECTED

1 - HOUR FIRE SEPERATION - REQUIRED BETWEEN THE MECHANICAL PENTHOUSE AND FIRST FLOOR. (VA FIRE PROTECTION DESIGN MANUAL)

PENTHOUSE FLOOR ASSEMBLY - 1-HOUR RATED (STEEL DECK W/ 4" CONCRETE TOPPING)

SUPPORTING HORIZONTAL STRUCTURAL MEMBERS - NO FIRE PROTECTION REQUIRED
NFPA 8.6.1.2 (L) THE CONSTRUCTION AND SUPPORTING HORIZONTAL STRUCTURAL MEMBERS SHALL NOT BE REQUIRED TO BE INDIVIDUALLY FIRE PROTECTED UNLESS REQUIRED BY 8.2.3.2

OCCUPANT LOAD FACTOR
NFPA TABLE 7.3.1.2
BUSINESS USE - 100 SF / PERSON 15,918SF / 100 SF = 160 PERSONS
ASSEMBLY USE - 15 SF / PERSON
MECHANICAL - 300 SF / PERSON 1,552 SF / 300 SF = 6 PERSONS

NFPA 38.2.6.1 THE TRAVEL DISTANCE BETWEEN ANY POINT IN A ROOM AND AN EXIT SHALL NOT EXCEED 300 FT. IN ACCORDANCE WITH SECTION 9.7.1.1 (1).

DEAD END SHALL NOT EXCEED 50', IN ACCORDANCE WITH 38.2.5.2.1 AND SECTION 9.7.1.1 (1)
COMMON PATH OF TRAVEL SHALL NOT EXCEED 100', IN ACCORDANCE WITH 38.2.5.3.1 AND SECTION 9.7.1.1 (1)

THE VA HAS ADOPTED THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS

CODES, STANDARDS AND EXECUTIVE ORDERS

- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL)
- INTERNATIONAL BUILDING CODE (IBC) - (SEE NOTES BELOW)
- NFPA 101 LIFE SAFETY CODE 2015 ED. (SEE NOTES BELOW)
- NFPA NATIONAL FIRE CODES WITH EXCEPTION OF NFPA 5000 AND NFPA 900
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS
- VA SEISMIC DESIGN REQUIREMENTS, H-18-8
- NATIONAL ELECTRICAL CODE (NEC)
- NATIONAL STANDARD PLUMBING CODE (NSPC)
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS) INCLUDING VA SUPPLEMENT BARRIER FREE DESIGN (PG-18-13)
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPAct)
- 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
- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION
- VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15-2007
- VA FIRE PROTECTION DESIGN MANUAL

LIFE SAFETY LEGEND IBC 2012

BASED ON 2012 IBC
FIRE BARRIERS (IBC 707)

1 HR RATED FIRE BARRIER

SYMBOLS

EXTERIOR EXIT DOOR / EXIT STAIR

HORIZONTAL EXIT

EXIT SIGN / FACE

WALL MOUNT FIRE EXTINGUISHER

SEMI RECESSED FIRE EXTINGUISHER CABINET

RECESSED FIRE EXTINGUISHER CABINET

FIRE HOSE CONNECTION CABINET

STANDPIPE & FIRE HOSE CONNECTION

PATH OF TRAVEL AND DISTANCE

EGRESS COMPONENTS (NFPA 101, 2015 ED)

CUMULATIVE OCCUPANT LOAD REQUIRED WIDTH PER OCCUPANCY

ACTUAL WIDTH PROVIDED TOTAL WIDTH REQUIRED PER CODE

OCCUPANCY TYPE / LOAD / AREA INDICATOR (IBC 1004)

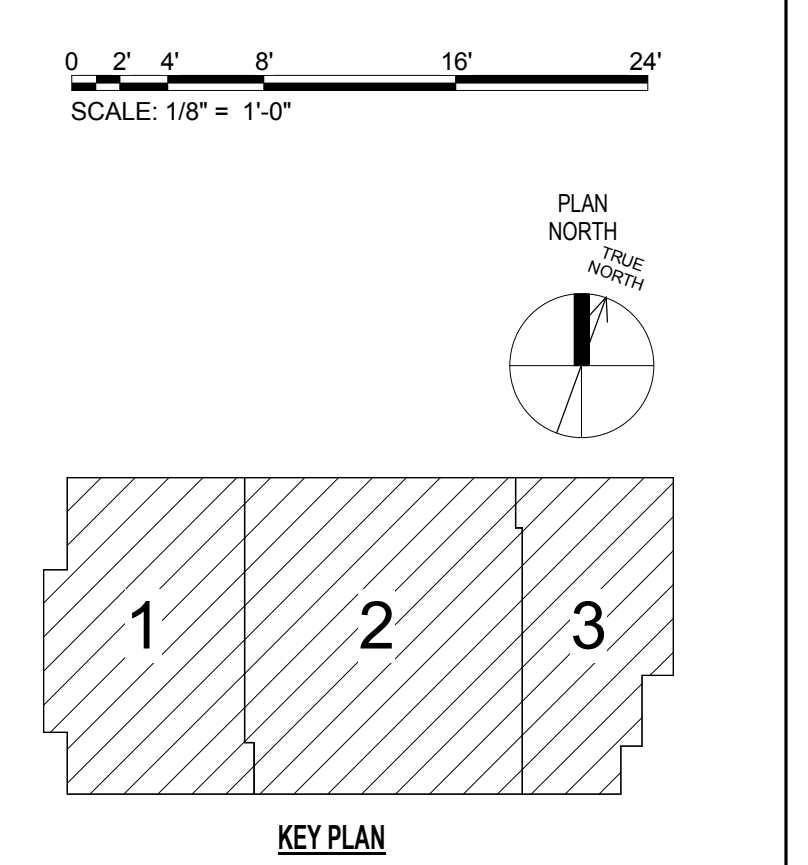
OCCUP. TYPE

OCCUPANCY TYPE (IBC 1004)

AREA

TOTAL OCCUPANTS

FLOOR AREA (SF) PER OCCUPANT



NOT FOR CONSTRUCTION

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Revisions	Date

CONSULTANT

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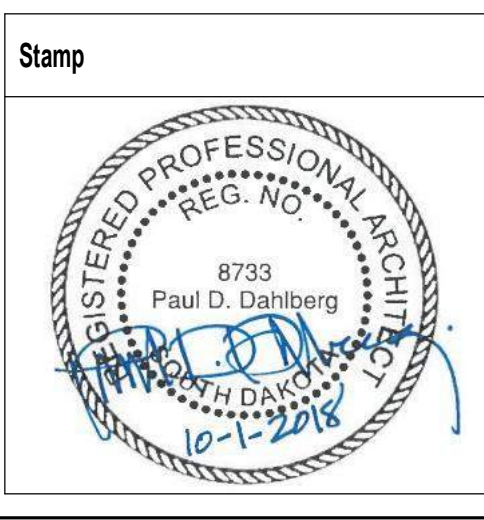
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST FLOOR AND PENTHOUSE CODE PLANS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
VA #438-450

Building Number

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

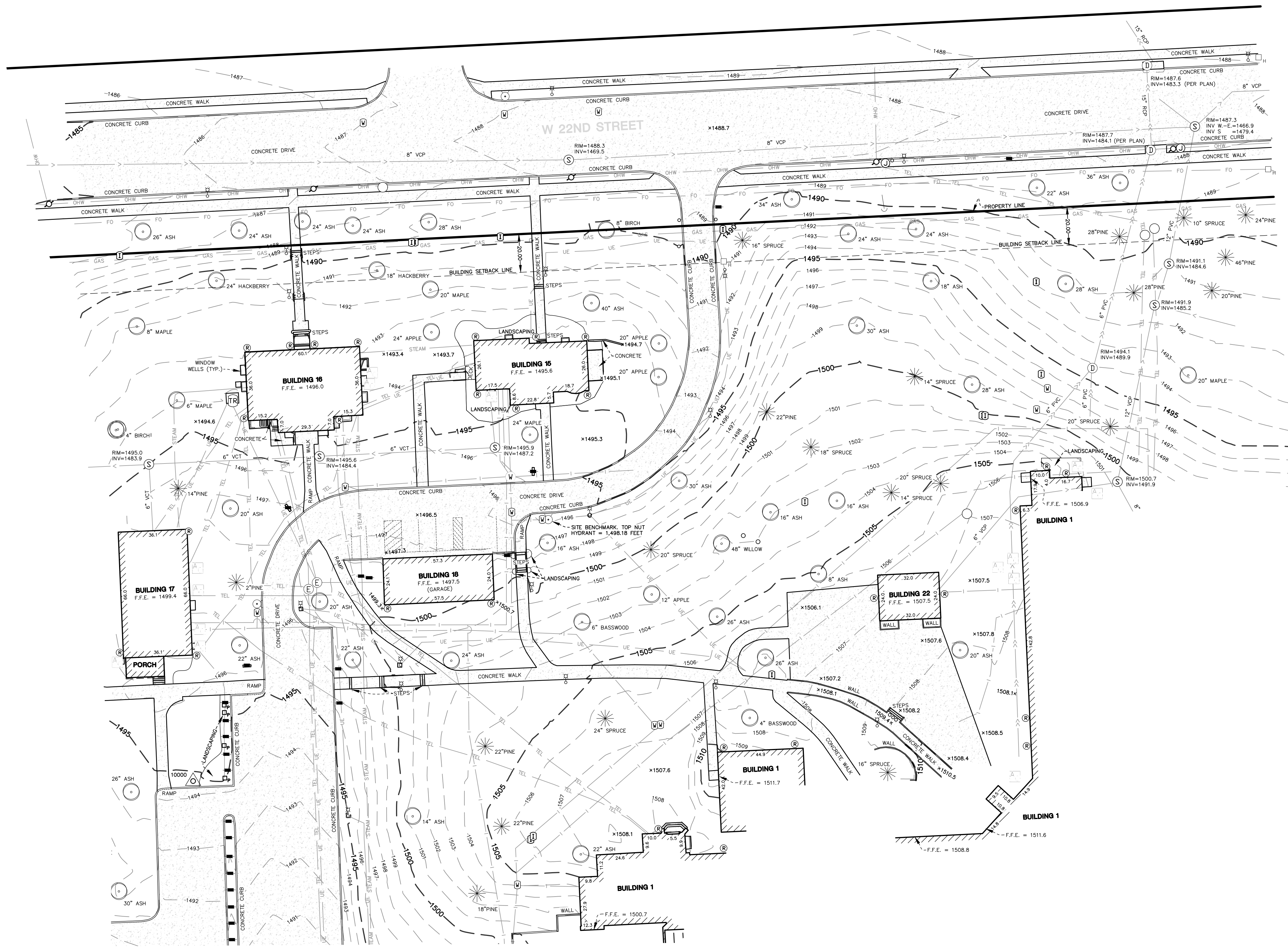
Checked
PDD

Drawn
MMM

Drawing Number
G104

Dwg. 4 of 102

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SURVEY FOR: SIOUX FALLS V.A. MEDICAL CENTER

PROPERTY ADDRESS: 2501 West 22nd Street, Sioux Falls, South Dakota.

CERTIFICATION:

I hereby certify that this survey was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of South Dakota.

Dated: October 3, 2017

Anderson Engineering of Minnesota, LLC

by: Nicholas Hillmer
South Dakota License No. 9339

NOTES:

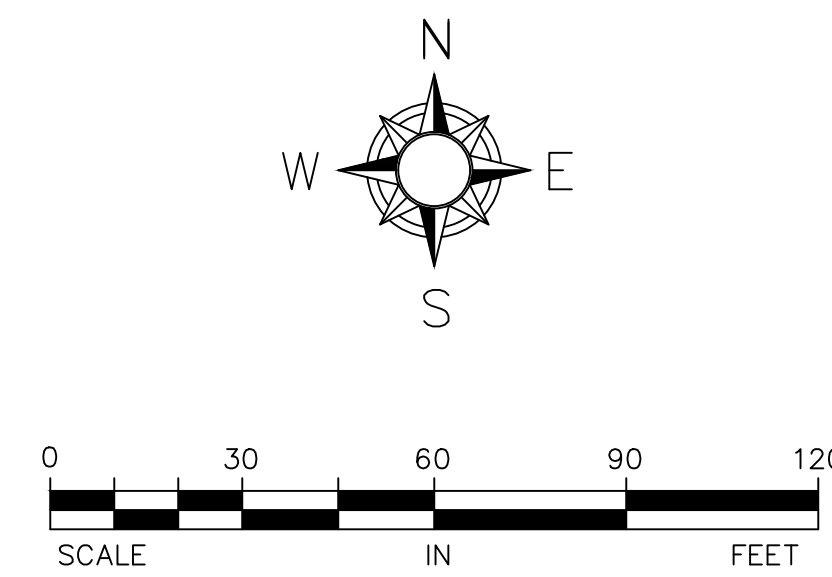
- The horizontal datum and bearings are based on the South Dakota State Plane Coordinate System, South Zone, U.S. survey feet.
- The vertical datum is NAVD 88. The site benchmark is the top nut hydrant near the northeast corner of Building 18. Elevation = 1,498.18 feet.
- The location and extent of underground utilities, if shown, are based upon existing drawings provided by the V.A. Medical Center, above ground evidence and South Dakota One Call 811 locate markings per ticket number 1628474086. There is no guarantee as to the accuracy or the completeness of this information. The size and location should be considered approximate. Additional underground utilities may be present. Verification of the existence and location of all utilities should be obtained from the utility owners prior to any planning or design. In accordance with South Dakota Statute, the location of utilities shall be confirmed prior to any demolition or construction.
- The tree information shown hereon was collected during the field survey by non-forestry trained Anderson Engineering of Minnesota survey personnel. Tree sizes are estimates and locations are accurate to plus or minus three feet.
- No title work was provided for the preparation of this survey to verify the legal description or the existence of any easements or encumbrances.
- According to the City of Sioux Falls, the subject property is zoned S-2 Campus International (PUD) and has the building setback requirements described in Chapters 160.240 through 160.244 and are listed below. It is recommended that the property owner obtain a zoning letter from the City to verify all conditions that affect the property through the city zoning ordinance. This survey does not purport to describe all conditions contained in said ordinance.
 - Front Yard: 20 Feet
 - Side Yard: 0 Feet
 - Rear Yard: 0 Feet
 - Maximum Height: Additional setback is required when the building is above 55 feet in height. In these cases, add 1 additional foot for all setbacks for every 2 additional feet in height up to 20 additional feet of setback.
 - Minimum distance between multiple principal buildings on the same lot: 20 feet plus 1 foot for every 1 foot of additional height above 55 feet up to 20 feet of distance.

LEGEND

- AUTO SPRINKLER
- AIR CONDITIONER
- CLEAN OUT
- CATCH BASIN
- △ CONTROL POINT
- ELECTRIC BOX
- ELECTRIC METER
- ELECTRIC MANHOLE
- GAS VALVE
- GAS METER
- GUARD POST
- HYDRANT
- HANDHOLE ELECTRIC
- IRRIGATION CONTROL VALVE
- LIGHT POLE
- MANHOLE
- ↓ POST INDICATOR VALVE
- SANITARY MANHOLE
- STORM MANHOLE
- STEAM MANHOLE
- SIGN
- WATER VALVE
- ROOF DRAIN
- FENCE
- SANITARY SEWER
- STORM SEWER
- WATER MAIN
- GAS MAIN
- TELEPHONE
- UNDERGROUND ELECTRIC
- STEAM
- DENOTES CONCRETE SURFACE
- CONIFEROUS TREE
- DECIDUOUS TREE
- PROPERTY LINE

SURVEY CONTROL POINTS

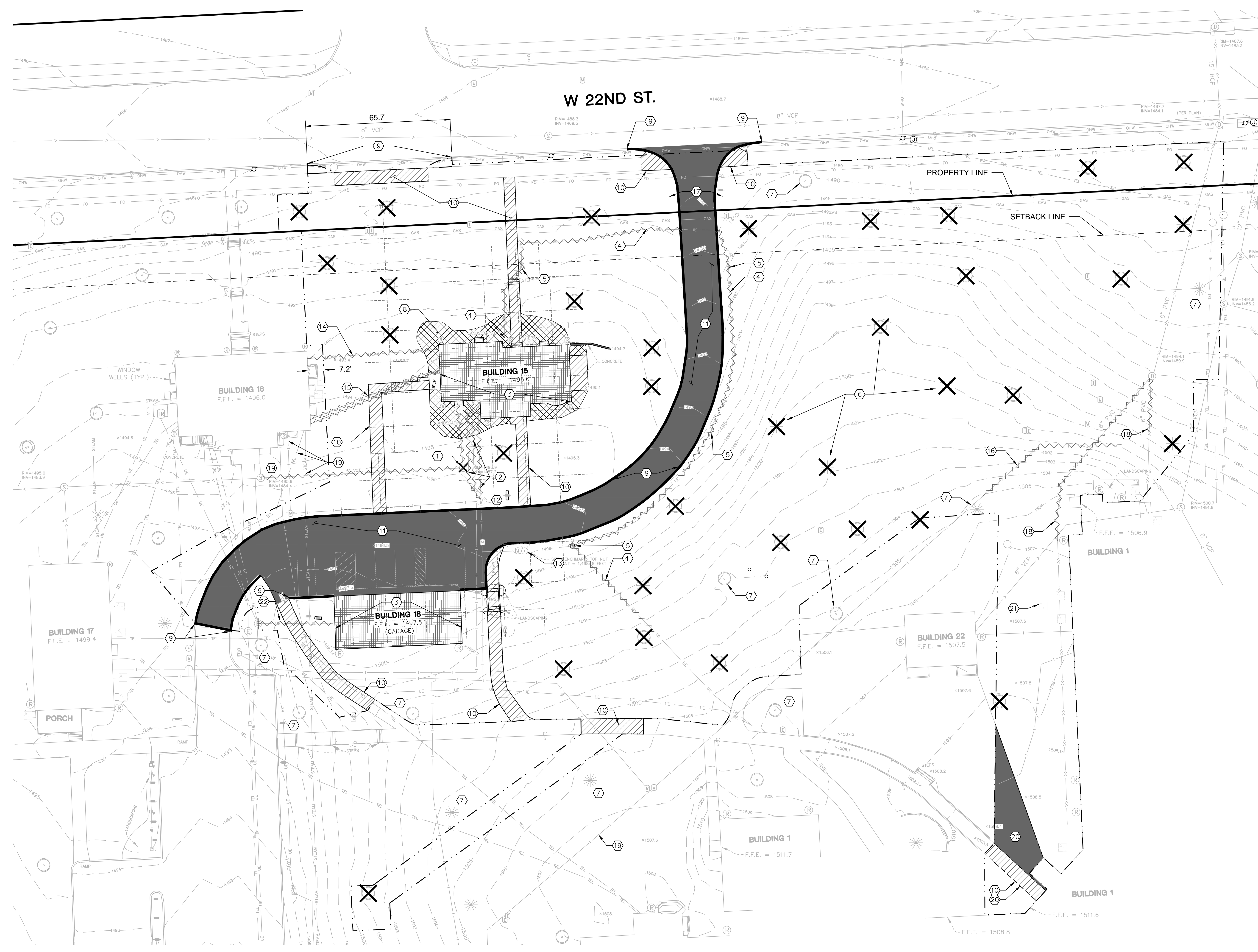
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
10000	457332.81	2916241.73	1494.70	SET 1/2 INCH PIPE WITH CAP
10001	456967.66	2916262.62	1486.74	SET 1/2 INCH PIPE WITH CAP
10002	457229.10	2916390.50	1498.61	SET 1/2 INCH PIPE WITH CAP



NOT FOR CONSTRUCTION

	<p>CONSULTANT</p> <p>LEADAY</p> <p>730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel: 612-338-8741 Fax: 612-338-4840</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON ENGINEERING</p> <p>Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (O) 763-412-4090 (F) www.ae-mm.com</p> <p>AE PROJECT NO.: 14541</p>	<p>Stamp</p>	<p>Office of Construction and Facilities Management</p> <p>U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>TOPOGRAPHIC SURVEY</p> <p>Approved: Project Director</p>	<p>Phase</p> <p>100% BID DOCUMENTS</p>	<p>Project Title</p> <p>Outpatient Mental Health Building</p> <p>Location 2501 W 22nd St, Sioux Falls, SD, 57105</p> <p>Issue Date 10/01/2018</p>	<p>Project Number VA #438-450</p> <p>Building Number</p> <p>Drawing Number CS101</p> <p>Dwg. 5 of 102</p>
<p>Revisions</p>	<p>Date</p>							

A
B
C
D
E
F



LEGEND:

- CURB AND GUTTER TO BE REMOVED
- UTILITIES TO BE REMOVED
- EXISTING TREES TO BE REMOVED
- DEMOLISH BUILDING AND FOOTING
- CONCRETE PAVEMENT TO BE REMOVED
- SIDEWALK TO BE REMOVED
- LANDSCAPING TO BE REMOVED
- CONSTRUCTION LIMIT

- GENERAL NOTES:**
1. UTILITY INFORMATION SUPPLIED BY VA. CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES AS NECESSARY TO COMPLETE WORK. THIS MAY REQUIRE A PRIVATE LOCATOR. UTILITIES ON PLANS MAY VARY FROM EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITIES WHETHER SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY. NOTIFY COR IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
 2. ALL WORK TO BE CONSTRUCTED IN A LEGAL MANNER IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
 3. CONTRACTOR SHALL OBTAIN ALL PERMITS PRIOR TO CONSTRUCTION ACTIVITIES.
 4. VERIFY EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO STARTING WORK.
 5. PHASE DEMOLITION AS NEEDED TO MAINTAIN DRAINAGE AND UTILITIES FOR MINIMAL DISRUPTION.
 6. CLEAR AND GRUB AND REMOVE ALL TREES AND SHRUBS WHERE SHOWN TO BE REMOVED. PROTECT TREES SHOWN TO BE PROTECTED. TREE ROOTS SHALL BE REMOVED TO WITHIN 4 FEET MINIMUM OF FINISHED GRADE.
 7. CONTRACTOR SHALL REMOVE AND DISPOSE OFF-SITE ALL DEMOLITION ITEMS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS.
 8. PATCH IN-KIND ALL DISTURBED PAVEMENTS & CURBS.
 9. STREET SWEEP TO PREVENT DIRT AND DEBRIS ENTERING INTO TO THE PUBLIC RIGHT OF WAY, INCLUDING ADJACENT WALKS AND ROADWAYS, MINIMUM DAILY. MAINTAIN CONFORMANCE WITH APPLICABLE STORM WATER POLLUTION PREVENTION PRACTICES.
 10. MAINTAIN ACCESS TO FIRE HYDRANT WITHIN CONSTRUCTION AREA AT ALL TIMES.
 11. IRRIGATION LINES NOT SHOWN. CONTRACTOR TO COORDINATE WITH THE VA ON LINE AND VALVE LOCATION AND RELOCATION. SEE SHEET CU102 FOR ANTICIPATED DISRUPTION.
 12. REMOVE ALL UTILITIES TO THE NEAREST HANDHOLE/MANHOLE OUTSIDE OF THE IMPACT AREA. REPLACE ALL DISTURBED CONDITIONS RESULTING FROM THE REMOVAL OF UTILITIES IN-KIND.

- KEYNOTES:**
- 1 REMOVE SANITARY SEWER LINE AND MANHOLE. REMOVE LINE COMPLETELY BACK TO MANHOLE OUTSIDE OF BUILDING 16. CAP LINE AT MANHOLE.
 - 2 REMOVE WATER SERVICE TO MANHOLE AND CAP AT MANHOLE. MANHOLE TO REMAIN.
 - 3 DEMOLISH AND COMPLETELY REMOVE BUILDING 15 AND ALL ASSOCIATED ITEMS.
 - 4 REMOVE UNDERGROUND ELECTRICAL UTILITY CONNECTION FOR EXISTING SITE LIGHTING. REMOVE BACK TO NEAREST HAND HOLE OR TRANSFORMER. REPLACE ALL DISTURBED AREAS IN-KIND. SEE ELECTRICAL PLANS.
 - 5 REMOVE SITE LIGHTING.
 - 6 REMOVE EXISTING TREE (TYP.).
 - 7 PROTECT TREE THROUGHOUT CONSTRUCTION. INSTALL TREE PROTECTION FENCE ALONG DRIP LINE OF EXISTING TREES TO REMAIN. (TYP.)
 - 8 REMOVE LANDSCAPING AROUND EXISTING BUILDING.
 - 9 REMOVE CONCRETE CURB AND GUTTER. SAW CUT AT NEAREST JOINT.
 - 10 REMOVE SIDEWALK. SAWCUT SIDEWALK AT NEXT EXPANSION JOINT AND REMOVE FULL PANEL.
 - 11 REMOVE CONCRETE PAVEMENT. SAWCUT EXISTING PAVEMENT AT REMOVAL LIMITS.
 - 12 REMOVE EXISTING SIGN.
 - 13 REMOVE AND SALVAGE EXISTING HYDRANT. LEAVE VALVE FOR NEW HYDRANT CONNECTION.
 - 14 REMOVE CONCRETE DUCT BANK AND ALL STEAM LINES BETWEEN BUILDING 16 AND BUILDING 15. CAP ALL STEAM LINES INSIDE BUILDING 16 AS NECESSARY.
 - 15 REMOVE ALL EXISTING TELEPHONE AND ELECTRICAL LINES FROM BUILDING 16 TO BUILDING 15. CAP AT IN BUILDING AS NECESSARY.
 - 16 REMOVE WATERMAIN. SEE SHEET CU101 FOR WATERMAIN REPLACEMENT.
 - 17 REMOVE AND DISPOSE OF EXISTING SECURITY GATE.
 - 18 REMOVE ROOF DRAIN. SEE SHEET CU101 FOR ROOF DRAIN REPLACEMENT.
 - 19 PROTECT EXISTING UTILITIES TO REMAIN THROUGHOUT UTILITY DEMOLITION. CONTACT COR IN ADVANCE OF POTENTIAL SERVICE DISRUPTION. COORDINATE SHUT DOWN OF BUILDING 1 ACCESS WITH VA PRIOR TO DEMOLITION.
 - 20 REMOVE CONCRETE SIDEWALK AND PAVEMENT AS REQUIRED FOR STEAM TRENCH INSTALLATION.
 - 21 PROTECT AC UNITS (TYP.)
 - 22 REMOVE GARAGE ELECTRICAL SERVICE BANK TO ELECTRICAL MANHOLE.

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NOT FOR CONSTRUCTION

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Revisions	Date

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AE PROJECT NO.: 14541

Stamp

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 9122
ROGER A. ANDERSON
STATE OF MINNESOTA
October 2018

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

DEMOLITION PLAN

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

Checked
EMS

Drawn
IJW

Project Number
VA #438-450

Building Number

Drawing Number
CD101

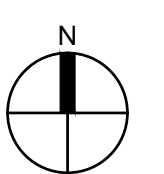
Dwg. 6 of 102

- LEGEND:**
- NEW CURB AND GUTTER
 - NEW RETAINING WALL
 - NEW FENCE
 - NEW CONCRETE SIDEWALK
 - NEW CONCRETE PAVEMENT
 - NEW STORM STMH/CBMH/CB
 - NEW SANITARY SEWER MANHOLE
 - CONSTRUCTION LIMITS
 - SETBACK LINE
 - NEW CLEANOUT
 - NEW WATER HYDRANT
 - NEW LIGHT POLE. SEE ELECTRICAL FOR DETAILS

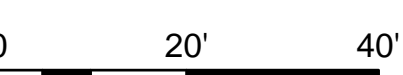
- SITE PLAN NOTES:**
1. REFER TO ARCHITECTURAL PLANS FOR BUILDING LAYOUT AND DIMENSIONS OF STOOPS AND PRECISE BUILDING DIMENSIONS.
 2. REFER TO SITE DEMOLITION PLAN FOR LIMITS OF PAVEMENT REMOVALS.
 3. NEW CONSTRUCTION FEATURES SHALL MATCH IN TO EXISTING WHERE APPLICABLE (PAVEMENT, CURBS, SIDEWALKS). PROVIDE SMOOTH TRANSITIONS AT MATCH IN POINTS.
 4. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. SEE SHEET CG101.
 5. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED ON THE PLANS.
 6. UTILITY INFORMATION SUPPLIED BY VA. CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES AS NECESSARY TO COMPLETE WORK. THIS MAY REQUIRE A PRIVATE LOCATOR. UTILITIES ON PLANS MAY VARY FROM EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITIES WHETHER SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY. NOTIFY COR IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
 7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROLS.
 8. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
 9. PROTECT ALL EXISTING SITE ELEMENTS (TREES, UTILITIES, CURB, ECT...) NOT NOTED FOR REMOVAL. SEE SHEET CD101. REPLACE IN KIND IF DAMAGED.
 10. SUBSTITUTIONS FROM INFO SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY THE COR.
 11. VERIFY BUILDING DIMENSIONS WITH THE ARCHITECTURAL AND FOUNDATION PLANS.
 12. CONTRACTOR SHALL PERFORM A RECORD SURVEY FOR ALL CONSTRUCTED ITEMS TO VERIFY CONSTRUCTION CONFORMS TO CONSTRUCTION DOCUMENTS. ITEMS INCLUDED BUT NOT LIMITED TO: CONNECTIONS TO EXISTING UTILITIES (LOCATION AND ELEVATION), NEW UTILITY LINE ROUTING, NEW STRUCTURE LOCATIONS, INVERT ELEVATIONS, PAVEMENT/CURB AND GUTTER/SIDEWALK/RETAINING WALL/ECT LOCATIONS AND ELEVATIONS.
 13. SEE ARCH/STRUCTURAL PLANS FOR ALL STOOP DIMENSIONS AND DETAILS.

- KEYNOTES:**
- 1 SIDEWALK TO BE FLUSH WITH PAVEMENT AT HANDICAP STALLS
 - 2 ADA LANDING AREA
 - 3 REPLACE CONCRETE SIDEWALK AS NECESSARY FOR REMOVAL OF EXISTING SIDEWALK/PARKING LOT.
 - 4 REPLACE CONCRETE SIDEWALK, CURB, AND GUTTER AS NECESSARY FOR REMOVAL OF EXISTING DRIVE.
 - 5 NEW STAIRS WITH HANDRAILS FROM BUILDING 1 TO NEW MENTAL HEALTH BUILDING. SEE DETAIL 1/CJ105.
 - 6 INSTALL APRON, PED. RAMPS, AND CONCRETE VALLEY GUTTER SEE DETAIL 8/CJ102.
 - 7 ADJUST RIM ELEVATION TO 0.10 FT BELOW NEW PAVEMENT.
 - 8 INSTALL CONCRETE BOLLARDS 5' O.C. 6" FROM BACK OF CURB (TYP.) SEE DETAIL 7/CJ102
 - 9 INSTALL NEW STOP SIGN
 - 10 INSTALL NEW SECURITY GATE AT ENTRANCE. SEE DETAIL 2/CJ104
 - 11 INSTALL NEW STAIRS WITH HANDRAILS. SEE DETAIL 2/CJ105.
 - 12 NEW LIGHT POLE. SEE ELECTRICAL PLAN FOR DETAILS AND LOCATION.
 - 13 TIP-OUT CURB AND GUTTER
 - 14 INSTALL NEW DECORATIVE FENCING 3 FT FROM THE BACK OF WALL. SEE DETAIL 3/CJ105.
 - 15 INSTALL NEW SIDEWALK AND CONCRETE PAVEMENT AS REQUIRED TO REPLACE CONCRETE PAVEMENT AND SIDEWALK REMOVED FOR THE STEAM TRENCH INSTALLATION.
 - 16 REPLACE SIDEWALK REMOVED FOR ELECTRICAL TRENCH INSTALLATION
 - 17 TRANSITION FROM B612 TO FLUSH CURB AND GUTTER.
 - 18 INSPECTION PORTS FOR NEW STORMWATER CHAMBERS (TYP.) SEE SHEETS CJ106 - CJ109.
 - 19 NEW ELECTRICAL MANHOLE. SEE ELECTRICAL PLANS FOR DETAILS.
 - 20 NEW TRANSFORMER. SEE ELECTRICAL PLANS FOR DETAILS.
 - 21 SURMOUNTABLE CURB FOR SIDEWALK RADIUS FOR KUBODA ACCESS. TRANSITION BACK INTO B612 CURB AS NECESSARY.
 - 22 FUTURE MONUMENT SIGN. SEE ELECTRICAL PLANS FOR DETAILS.
 - 23 HANDICAP SIGN. SEE DETAIL 1/CJ102.

POINT	NORTHING	EASTING
I	457532.61	2916491.69
A	457603.02	2916488.21
B	457612.44	2916678.64
C	457566.50	2916680.91
D	457566.04	2916671.59
E	457537.57	2916673.00
F	457537.28	2916667.01
G	457528.12	2916667.46
H	457519.46	2916482.34
J	457532.25	2916484.45
K	457577.20	2916482.23
L	457577.41	2916486.47
M	457592.80	2916485.71
N	457592.95	2916488.71



NOT FOR CONSTRUCTION



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Revisions	Date

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AE PROJECT NO.: 14541

Stamp

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

SITE PLAN

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

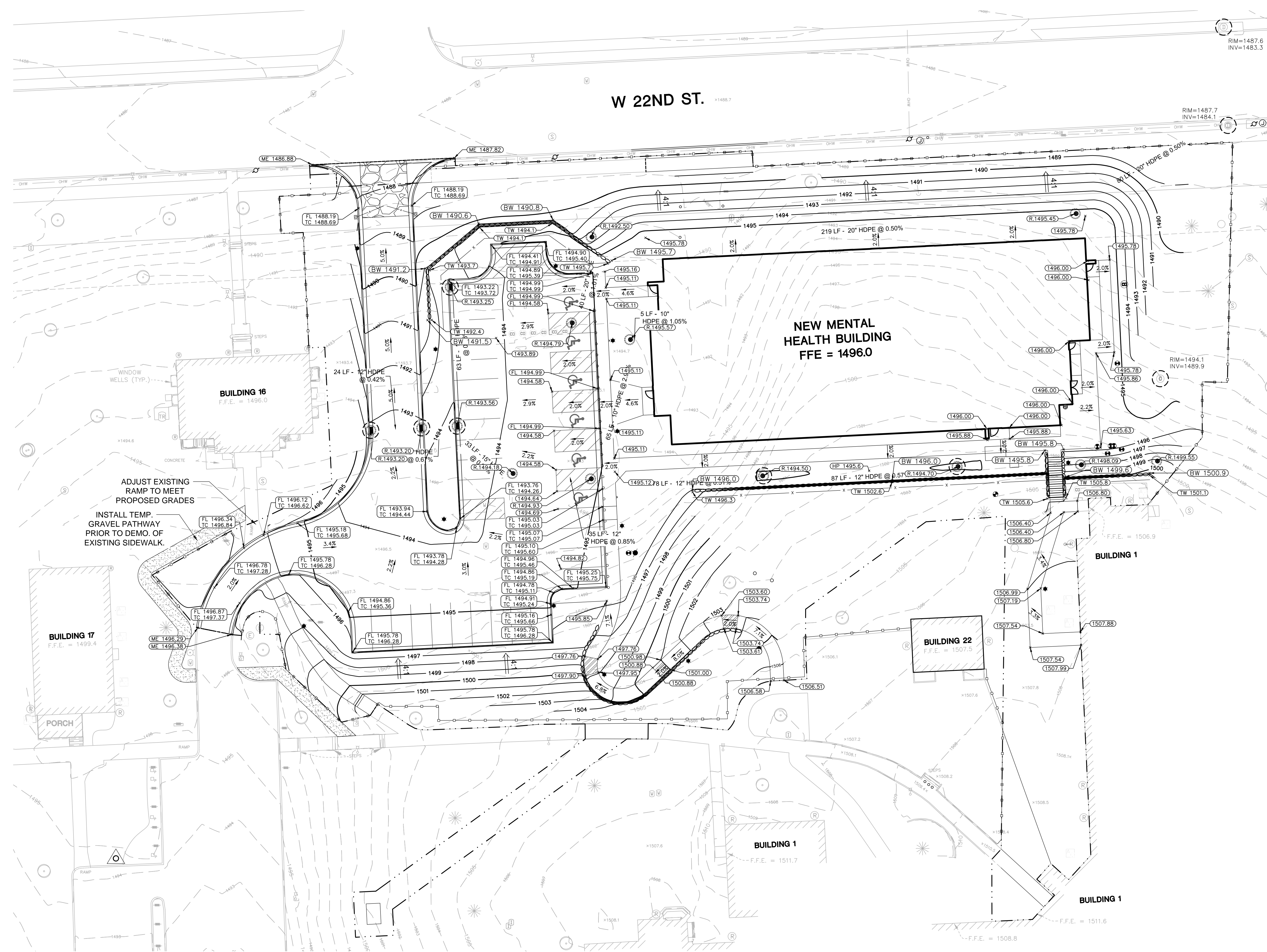
Project Number
 VA #438-450

Building Number

Drawing Number
CH101

Dwg. 7 of 102

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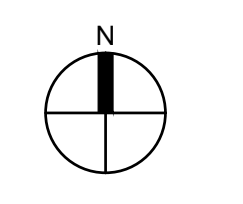
- LEGEND:**
- 1500 — NEW MAJOR CONTOUR
 - 1501 — NEW MINOR CONTOUR
 - - - 1500 - - - EXISTING MAJOR CONTOUR
 - - - 1501 - - - EXISTING MINOR CONTOUR
 - NEW RETAINING WALL
 - ⊙ NEW STORM STMH/CBMH/CB
 - ⊙ NEW SANITARY SEWER MANHOLE
 - ⊙ NEW SILT FENCE
 - ⊙ NEW ROCK CONSTRUCTION ENTRANCE
 - ⊙ SPOT ELEVATION. SEE SPOT ELEVATION LEGEND
 - 1.5% SLOPE LABEL
 - ⊙ INLET PROTECTION
 - CONSTRUCTION LIMITS
 - NEW TEMP. GRAVEL PATHWAY. REMOVE AND RESTORE TURF ONCE NEW SIDEWALK IS COMPLETE.
 - ⊙ NEW CLEANOUT
 - ⊙ NEW WATER HYDRANT
 - ⊙ NEW LIGHT POLE. SEE ELECTRICAL FOR DETAILS
 - ⊙ NEW VALVE

- SPOT ELEVATION LEGEND:**
- TW/FG = TOP OF WALL ELEVATION / FINISHED GRADE ELEVATIONS
 BW/FG = BOTTOM OF WALL ELEVATION / FINISHED GRADE ELEVATIONS
 R = STRUCTURE RIM ELEVATION
 HP = HIGH POINT
 ME = MATCH EXISTING
 FL = FLOWLINE
- STORMWATER POLLUTION PREVENTION PLAN NOTES:**

1. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO CONSTRUCTION. WHERE UTILITIES ARE LOCATED BY STATE ONE-CALL SERVICE, THE CONTRACTOR SHALL EMPLOY A LOCATOR AT OWN EXPENSE.
2. ALL EROSION CONTROL MEASURES CALLED FOR ON THESE PLANS AND SPECIFICATIONS, WHICH MAY INCLUDE SILT FENCE, SEDIMENTATION BASINS OR TEMPORARY SEDIMENT TRAPS, SHALL BE CONSTRUCTED AND SERVICEABLE IN THE FOLLOWING ORDER:
 - A. ROCK CONSTRUCTION ENTRANCES A MINIMUM OF 50 FEET, OR APPROVED EQUAL BY VA COR
 - B. SILT FENCE
 - C. TEMPORARY SEDIMENTATION BASINS AND OUTFALL FACILITIES
 - D. COMMON EXCAVATION AND EMBANKMENT (GRADING)
 - E. SOD
 - F. BID-ROLL BARRIERS, EROSION CONTROL BLANKETS IN FINISHED GRADED AREAS
 - G. INLET AND OUTLET FACILITIES SUBSEQUENT TO STORM SEWER WORK
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY AND NPDES PHASE II PERMITTING REQUIREMENTS AS WELL AS EROSION CONTROL MEASURES AS MAY BE SHOWN ON THESE PLANS OR SPECIFICATIONS. THE CONTRACTOR SHALL IMPLEMENT ANY ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED TO PROTECT ADJACENT PROPERTY.
4. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING GRADING OPERATIONS. ANY TEMPORARY FACILITIES WHICH ARE TO BE REMOVED AS CALLED FOR ON THESE PLANS AND SPECIFICATIONS SHALL BE REMOVED BY THE CONTRACTOR WHEN DIRECTED BY THE RESIDENT ENGINEER AFTER TURF ESTABLISHMENT. THE CONTRACTOR SHALL THEN RESTORE THE SUBSEQUENTLY DISTURBED AREA IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
5. THE CONTRACTOR SHALL SCHEDULE THE TESTING LABORATORY SO THAT CERTIFICATION OF ALL FILLS WILL BE FURNISHED TO THE COR DURING AND UPON COMPLETION OF THE PROJECT.
6. ALL DISTURBED AREAS, EXCEPT AREAS TO BE PAVED AND/OR SPECIFICALLY DESIGNED BY A LANDSCAPE PLAN, SHALL BE COVERED WITH A MINIMUM 6" OF TOP SOIL. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AT THE PRESCRIBED RATES WITHIN 72 HOURS OF FINAL GRADING UNLESS OTHERWISE NOTED.
7. THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS SHOWN ON THE PLANS ARE PROVIDED AS CURRENT AND ACCURATE. CONTRACTOR TO FIELD VERIFY SITE CONDITIONS.
8. CONTRACTORS GRADING AND EROSION CONTROL OPERATIONS SHALL TAKE PLACE WITHIN THE CONSTRUCTION LIMITS.
9. IT IS REQUIRED THAT SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES BE CLEANED DAILY FROM PAVED ROADWAY SURFACES THROUGHOUT THE DURATION OF CONSTRUCTION. PAVED ROADS WITH TRACKED SEDIMENT SHALL BE SWEEPED DAILY WITH A PICK-UP STYLE BROOM.
10. PROVIDE TEMPORARY SEDIMENTATION BASINS AS NECESSARY TO MEET PERMIT REQUIREMENTS.
11. DEWATERING AND/OR BASIN DRAINING DISCHARGE SHALL BE DIRECTED TO SEDIMENTATION BASINS IN LOCATIONS DIRECTED BY THE COR. ALL DISCHARGE POINTS SHALL BE ADEQUATELY PROTECTED FROM EROSION & SCOUR THROUGH USE OF APPROVED ENERGY DISSIPATION DEVICES.
12. ALL SOLID WASTE/ CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL & STATE REQUIREMENTS. HAZARDOUS MATERIALS SHALL BE STORED/ DISPOSED OF IN COMPLIANCE WITH LOCAL REGULATIONS.
13. INSPECT EROSION CONTROL MEASURES ROUTINELY AND FREQUENTLY AND PER LOCAL STATE AND PERMIT REQUIREMENTS. SEE STORM WATER POLLUTION PREVENTION PLAN TABLE BELOW.
14. CONTRACTOR TO PROVIDE EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION ACTIVITY AND MODIFY ACCORDINGLY DURING CONSTRUCTION PHASING.
15. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
16. CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS PER SWPPP PERMIT. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
17. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
18. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE/DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY VA COR. SEPARATE SWEEPED MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
19. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS).
20. SEE SHEET CJ104 FOR SWPPP NARRATIVE.

GENERAL NOTES:

1. MAINTAIN TEMPORARY EROSION CONTROL MEASURES DURING CONSTRUCTION. IF LIMITS OF GRADING REQUIRE RELOCATION OF EROSION CONTROL DEVICES, CONTRACTOR SHALL RELOCATE AS NECESSARY.
2. ESTABLISH STABILIZED CONSTRUCTION ENTRANCE PRIOR TO THE INITIATION OF SITE CONSTRUCTION ACTIVITIES.
3. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED GRADE.
4. PROVIDE DRAINAGE AWAY FROM BUILDINGS AT ALL TIMES.
5. NO GRADED SLOPES SHALL EXCEED 3:1 (HOR:VERT) UNLESS OTHERWISE NOTED.
6. COORDINATE WITH UTILITIES FOR INSTALLATION DEPTHS.
7. CONTRACTOR RESPONSIBLE FOR LAWN MAINTENANCE AND TRASH REMOVAL FROM SITE.



NOT FOR CONSTRUCTION 0 20' 40'

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Revisions	Date

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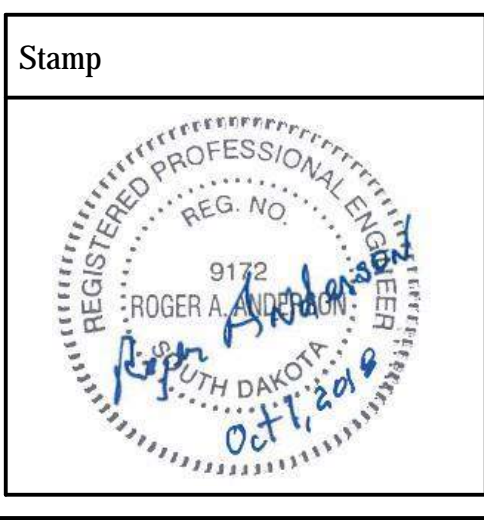
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
GRADING AND EROSION CONTROL PLAN

Approved: Project Director

Phase
100% BID DOCUMENTS

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 EMS

Drawn
 IJW

Project Number
 VA #438-450

Building Number

Drawing Number
CG101

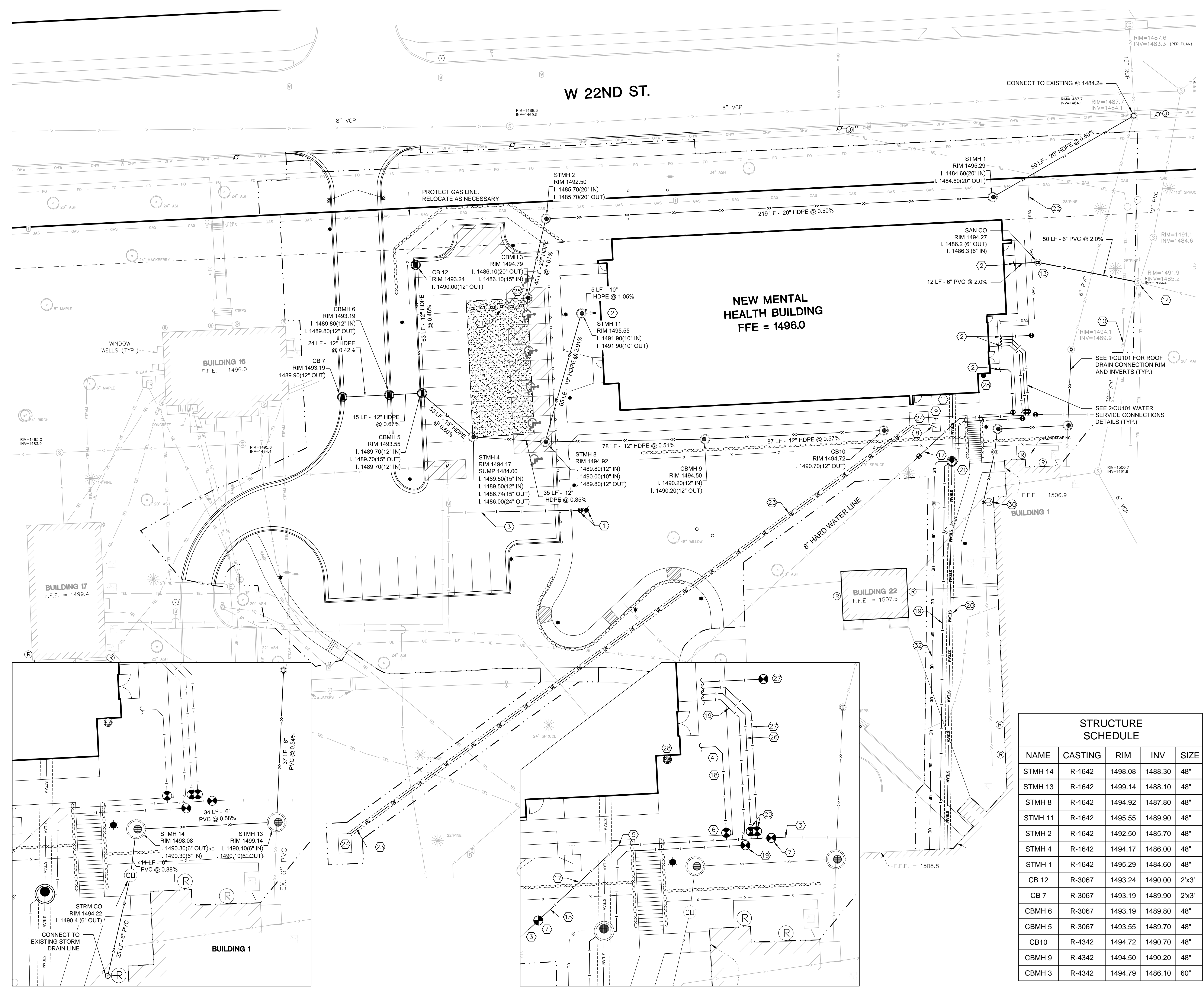
Dwg. 8 of 102

- LEGEND:**
- NEW STORM SEWER
 - NEW STORM SEWER STRUCTURES
 - NEW SANITARY SEWER
 - NEW CONCRETE ELECTRICAL TRENCH
 - NEW WATERMAIN
 - NEW GATE VALVE
 - NEW SANITARY SEWER MANHOLE
 - NEW STEAM TRENCH
 - NEW GAS SERVICE
 - CONSTRUCTION LIMITS
 - UNDERGROUND STORMWATER CHAMBER
 - NEW WATER HYDRANT
 - NEW LIGHT POLE. SEE ELECTRICAL FOR DETAILS.
 - NEW CLEANOUT
 - NEW VALVE

- GENERAL NOTES:**
- UTILITY INFORMATION SUPPLIED BY VA. CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES AS NECESSARY TO COMPLETE WORK. THIS MAY REQUIRE A PRIVATE LOCATOR. UTILITIES ON PLANS MAY VARY FROM EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITIES WHETHER SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY. NOTIFY COR IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
 - COORDINATE ALL UTILITY RELOCATIONS WITH ALL DISCIPLINES TO MINIMIZE DISRUPTIONS. COORDINATE WITH COR ON ALL DISRUPTIONS.
 - WATERMAIN TO BE LOCATED 10' MINIMUM HORIZONTAL SEPARATION FROM SANITARY SEWER.
 - THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITIES FOR CONNECTION TO PUBLIC WATER, SANITARY SEWER, AND STORM SEWER UTILITIES AND WORK WITHIN THE PUBLIC RIGHT OF WAY.
 - ALL WATER SERVICE THRUST FORCE POINTS (INCLUDES VALVES, TEES, WYES, HYDRANTS, DEAD ENDS, AND BENDS ARE TO HAVE MECHANICAL JOINT CONNECTIONS. THRUST BLOCKS ARE TO BE USED AS DETAILED.
 - THE CONTRACTOR SHALL CLEAN ALL SURFACE FLOW CHANNELS, PIPES, AND STRUCTURES AFTER FINAL SURFACES ARE ESTABLISHED AND PRIOR TO PROJECT CLOSEOUT.
 - VERIFY ALL UTILITY CONNECTIONS AND CONTINUATION NEAR BUILDING PERIMETER WITH MECHANICAL PLANS PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL PERFORM A RECORD SURVEY FOR ALL CONSTRUCTED ITEMS TO VERIFY CONSTRUCTION CONFORMS TO CONSTRUCTION DOCUMENTS. ITEMS INCLUDED, BUT NOT LIMITED TO: CONNECTIONS TO EXISTING UTILITIES (LOCATION AND ELEVATION), NEW UTILITY LINE ROUTING, NEW STRUCTURE LOCATIONS, INVERT ELEVATIONS, PAVEMENT/CURB AND GUTTER/SIDWALK/RETAINING WALL ETC. LOCATIONS AND ELEVATIONS.
 - SEE ELECTRICAL FOR NEW TELEPHONE/COMMUNICATION LINE INSTALLATION AND ROUTING.

- KEYNOTES:**
- INSTALL NEW HYDRANT, GATE VALVE, AND 6" HYDRANT LEAD.
 - COORDINATE UTILITY CONNECTION WITH BUILDING MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND PLUMBING PLANS.
 - CONNECT TO EXISTING WATER LINE. CONTRACTOR TO VERIFY DEPTH, SIZE, MATERIAL, AND LOCATION OF EXISTING UTILITY PRIOR TO CONSTRUCTION. COORDINATE WITH VA ON SERVICE DISRUPTIONS.
 - INSTALL TWO 45° BENDS (TYP.)
 - INSTALL 8" 45° BEND
 - INSTALL 8"x6" TEE AND 6" GATE VALVE
 - INSTALL 8" GATE VALVE
 - INSTALL NEW TRANSFORMER PER ELECTRICAL PLANS.
 - INSTALL NEW UNDERGROUND ELECTRIC SERVICE FROM TRANSFORMER TO BUILDING (SEE ELECTRICAL PLANS).
 - INSTALL NEW TELEPHONE SERVICE. SEE ELECTRICAL PLANS FOR LOCATION.
 - SEE MECHANICAL FOR STEAM TRENCH CONNECTION TO BUILDING.
 - INSTALL SANITARY CLEANOUT.
 - CONNECT TO EXISTING SANITARY SEWER MANHOLE. INV. 1485.2±
 - LOWER WATER LINE TO MAINTAIN 7.5' MIN BURY DEPTH. INSULATE AS NECESSARY IF DEPTH IS LESS THAN 7.5'. ADD 45° ELBOW TO DROP PIPE DOWN (TO MAINTAIN PROPER BURY DEPTH) ADD SECOND 45° ELBOW TO LEVEL PIPE. SEE DETAIL 1/1C/104
 - 75 LF OF NEW 8" DIP WATERMAIN
 - 6" DIP HARD WATER FIRE SERVICE LINE.
 - 2" TYPE K COPPER SOFT WATER LINE W/ CURB STOP.
 - CONCRETE STEAM TRENCH. CONNECT AT BUILDING 1. SEE MECH. PLANS FOR DETAILS.
 - DROP MANHOLE FOR STEAM AND SOFT WATER. SEE MECH. PLANS FOR DETAILS.
 - (DEDUCT ALT.) NEW GAS LINE CONNECTED TO CITY HIGH PRESSURE STEEL LINE. COORDINATE WITH LOCAL UTILITY.
 - ELECTRICAL CONCRETE TRENCH. SEE ELEC. PLANS FOR DETAILS. RESTORE IN-KIND ALL DISTURBED.
 - NEW ELECTRICAL MANHOLE. SEE ELEC. PLANS FOR DETAILS.
 - SEE SHEET CJ106 FOR OUTLET CONTROL AND INLET STRUCTURE DETAILS.
 - (DEDUCT ALT.) 2" TYPE K COPPER HARD WATER SERVICE.
 - 2" TYPE K COPPER HARD WATER IRRIGATION SERVICE. LINE TO ENTER BUILDING, PASS THROUGH WATER METER, AND EXIT BUILDING. EXTEND IRRIGATION SERVICE LINE 20' FROM BUILDING AND INSTALL CORP STOP, PLUG, AND PROVIDE SURFACE MARKER.
 - PIV - SEE FIRE PROTECTION PLANS FOR DETAILS.
 - WATER SERVICE CONNECTION WITH CURB STOP. SEE DETAIL 5/C/101
 - REROUTE EXISTING ROOF DRAIN. ELEVATION OF THE EXISTING DRAIN IS UNKNOWN. NOTIFY COR IF EXISTING DRAIN ELEVATIONS WILL NOT DRAIN WITH PROPOSED ELEVATIONS.
 - INSPECTION PORTS FOR NEW STORMWATER CHAMBERS (TYP.). SEE SHEETS CU106 - CU109.
 - LOW VOLTAGE SYSTEM (TWO 3" CONDUITS) INSTALLED ADJACENT TO STEAM TRENCH. SEE ES001

STRUCTURE SCHEDULE				
NAME	CASTING	RIM	INV	SIZE
STMH 14	R-1642	1498.08	1488.30	48"
STMH 13	R-1642	1499.14	1488.10	48"
STMH 8	R-1642	1494.92	1487.80	48"
STMH 11	R-1642	1495.55	1489.90	48"
STMH 2	R-1642	1492.50	1485.70	48"
STMH 4	R-1642	1494.17	1486.00	48"
STMH 1	R-1642	1495.29	1484.60	48"
CB 12	R-3067	1493.24	1490.00	2'x3'
CB 7	R-3067	1493.19	1489.90	2'x3'
CBMH 6	R-3067	1493.19	1489.80	48"
CBMH 5	R-3067	1493.55	1489.70	48"
CB10	R-4342	1494.72	1490.70	48"
CBMH 9	R-4342	1494.50	1490.20	48"
CBMH 3	R-4342	1494.79	1486.10	60"



1 BUILDING 1 - ROOF DRAIN CONNECTION
SCALE: 1"=10'

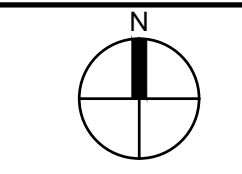
2 WATER SERVICE CONNECTIONS
SCALE: 1"=10'

NOT FOR CONSTRUCTION

<p>CONSULTANT</p> <p>LEADAY</p> <p>730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel: 612-338-8741 Fax: 612-338-4840</p>	<p>FARRIS ENGINEERING</p> <p>OMAHA LINCOLN COLORADO SPRINGS</p> <p>www.farris.com</p> <p>FE# 172074</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON ENGINEERING</p> <p>Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Phiroon, MN 55441 763-412-4000 (9) 763-412-4099 (f) www.ae-mm.com</p> <p>AE PROJECT NO.: 14541</p>	<p>Stamp</p> <p>REGISTERED PROFESSIONAL ENGINEER REG. NO. 9122 ROGER A. ANDERSON CIVIL ENGINEER EXPIRES 08/12/20</p>	<p>Office of Construction and Facilities Management</p> <p>U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>UTILITY PLAN</p>	<p>Phase</p> <p>100% BID DOCUMENTS</p>	<p>Project Title</p> <p>Outpatient Mental Health Building</p>	<p>Project Number</p> <p>VA #438-450</p>
					<p>Approved: Project Director</p>	<p>Location</p> <p>2501 W 22nd St, Sioux Falls, SD, 57105</p>	<p>Drawing Number</p> <p>CU101</p>	<p>Dwg. 9 of 102</p>

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0 20' 40'

W 22ND ST.

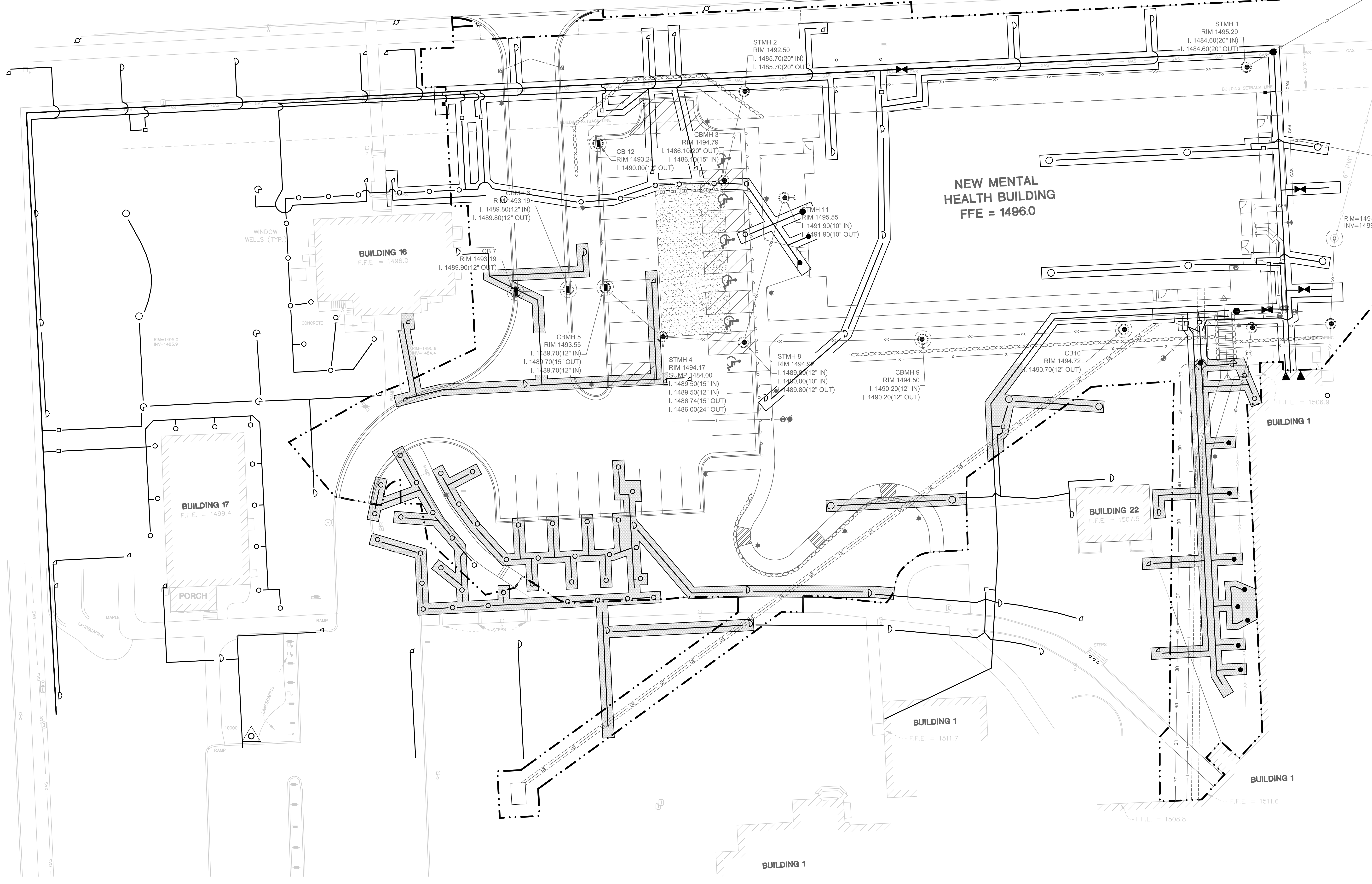
LEGEND

- CONSTRUCTION LIMITS
- 12" POP-UP SPRAY HEAD (SHRUBS)
- 4" POP-UP SPRAY HEAD (LAWN)
- FULL CIRCLE ROTARY GEAR DRIVE HEAD
- ⊙ 3/4 CIRCLE ROTARY GEAR DRIVE HEAD
- ⊙ 1/2 CIRCLE ROTARY GEAR DRIVE HEAD
- ⊙ 1/4 CIRCLE ROTARY GEAR DRIVE HEAD
- QUICK COUPLER
- ⊘ ISOLATION VALVE
- REMOTE CONTROL VALVE
- DRAIN PIT
- ▲ SPRINKLER SATELLITE ZONE CONTROL PANEL
- ▭ IRRIGATION NETWORK TO BE IMPACTED WITH CONSTRUCTION

GENERAL IRRIGATION NOTES:

1. EXISTING IRRIGATION LINE AND COMPONENT LOCATIONS ARE SUPPLIED BY VA. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BIDDING AND CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL LOCAL UTILITY COMPANIES TO LOCATE EXACT LOCATIONS OF UNDERGROUND UTILITIES.
3. THE IRRIGATION SHALL BE DESIGN/BUILD SYSTEM BY THE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATIONS AS PART OF THE SCOPE OF WORK WHEN BIDDING. THESE SHALL BE APPROVED BY THE COR PRIOR TO ORDER AND/OR INSTALLATION.
4. VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE. TURF AREAS SHALL BE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IRRIGATION HEADS IN TURF AREAS SHALL BE VALVED SEPARATELY FROM SHRUB AND GROUND COVER AREAS.
5. CONFIRM IRRIGATION LIMITS AND EXISTING INFRASTRUCTURE PRIOR TO THE DESIGN OF THE IRRIGATION SYSTEM.
6. CONTRACTOR SHALL VERIFY WATER SOURCE LOCATION AND PRESSURE AND SUPPLY A SYSTEM THAT PROVIDES FULL AND COMPLETE COVERAGE TO ALL AREAS TO BE IRRIGATED.
7. SYSTEM SHOULD BE DESIGNED TO COMPLETE WATER SCHEDULES WITHIN 12-HOURS MAXIMUM.
8. RAIN SENSORS AND OTHER WATER SAVING TECHNOLOGIES SHALL BE INCLUDED WITHIN THE IRRIGATION DESIGN.
9. PROVIDE THE OWNER WITH AN OPERATING SCHEDULE THAT WORKS WITH THE APPROVED LAYOUT PLAN AND IDENTIFY ANY FIELD ADJUSTMENTS PRIOR TO PROJECT COMPLETION.
10. AVOID OVER-SPRAY ONTO BUILDING, ROADS, SIDEWALKS, SIGNS AND PARKING AREAS. SPRINKLER ARCS SHALL BE DETERMINED ON SITE BY THE IRRIGATION INSTALLER TO PROVIDE THE MAXIMUM COVERAGE POSSIBLE. ADJUST THE ARCS AND RADIUS OF EACH SPRINKLER TO PROVIDE HEAD-TO-HEAD COVERAGE.
11. WITHIN EXTREME SLOPED AREAS:
 - 11.1. INSTALL STATIONS SEPARATELY FOR TOP AND BOTTOM OF SLOPED AREAS
 - 11.2. INSTALL LATERAL PIPES PARALLEL TO SLOPE
12. DO NOT TRENCH THROUGH THE ROOT BALLS OF NEW PLANTINGS.
13. MAINLINE PIPING BENEATH TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 30-INCHES FROM BOTTOM OF ROAD SUB-GRADE AND CONTAIN SLEEVES NOT LESS THAN TWO NOMINAL DIMENSIONS GREATER THAN THE PIPE PASSING THROUGH.
14. IRRIGATION INSTALLER SHALL FURNISH AND INSTALL SLEEVE MATERIAL UNDER ALL ROADWAYS, WALKS AND DRIVEWAYS WHERE NECESSARY.
15. TOP OF MAINLINES SHALL BE AT LEAST 30-INCHES BELOW GRADE IN TURF AREAS.
16. TOP OF LATERAL LINES SHALL BE AT LEAST 18-INCHES BELOW GRADE.
17. MAINLINE PRESSURE PIPE FITTINGS 3-INCHES AND LARGER SHALL BE PUSH ON GASKET JOINED AND SHALL HAVE MECHANICAL JOINT RESTRAINTS. MAINLINE PRESSURE PIPE FITTINGS 2.5-INCHES AND SMALLER SHALL BE GLUED AND SHALL HAVE CONCRETE THRUST BLOCKS AT CHANGES IN DIRECTION.
18. OTHERS SHALL FURNISH, INSTALL AND BRING 24-INCHES ABOVE GRADE A MUNICIPAL POTABLE STUB FOR IRRIGATION, COORDINATE WITH GENERAL CONTRACTOR.
19. INSTALLER IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE BACKFLOW PREVENTION DEVICE, WATER METER AND BOOSTER PUMP, IF APPLICABLE.
20. IRRIGATION CONTROL WIRE SHALL BE DIGITAL TWO-WIRE, UL LISTED FOR DIRECT BURIAL.
21. CONNECT ALL ELECTRICAL WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES INCLUDING:
 - 21.1. ALL LOW VOLTAGE IRRIGATION CONTROL WIRE SHALL BE INSTALLED WITH THE MAINLINE PIPE WHERE POSSIBLE
 - 21.2. DO NOT LOOP THE LOW VOLTAGE IRRIGATION CONTROL WIRE PATH.
 - 21.3. WIRE SHALL RESIDE AT THE BOTTOM OF TRENCH BENEATH MAINLINE.
 - 21.4. PROVIDE 18-INCH OF SLACK CONTROL WIRE AT ALL CHANGES IN DIRECTION.
 - 21.5. PROVIDE 24-INCH OF SLACK CONTROL WIRE AT EACH REMOTE CONTROL VALVE COILED INSIDE VALVE BOX.
 - 21.6. ALL WIRE SPLICES SHALL BE WATERPROOF CONNECTORS AND CONTAINED IN VALVE BOX.
 - 21.7. ALL WIRING BENEATH HARDSCAPES SHALL BE CONTAINED IN SLEEVING, SEPARATE FROM PIPING.
 - 21.8. GROUNDING PER MANUFACTURER'S RECOMMENDATION OR LOCAL ELECTRICAL CODE.
22. SCHEDULE, COORDINATE AND PROGRAM CONTROLLER AND VALVE RUN TIMES WITH THE COR.
23. FOR ADDITIONAL INFORMATION SEE DEDUCT ALT. SPECIFICATION SECTION.

NOT FOR CONSTRUCTION



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Revisions	Date

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AE PROJECT NO.: 14541

Stamp

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

IRRIGATION PLAN

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 EMS

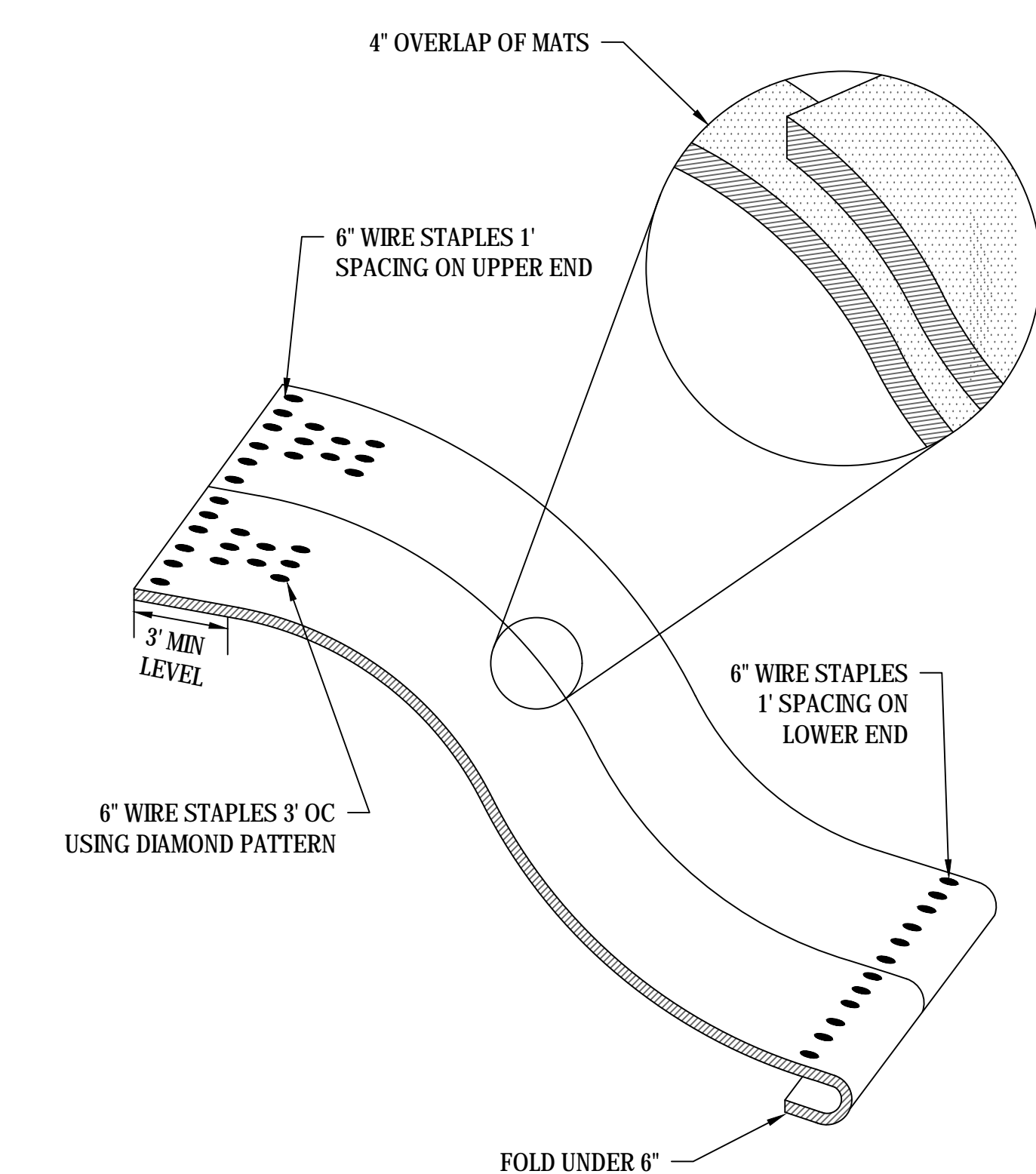
Drawn
 IJW

Project Number
 VA #438-450

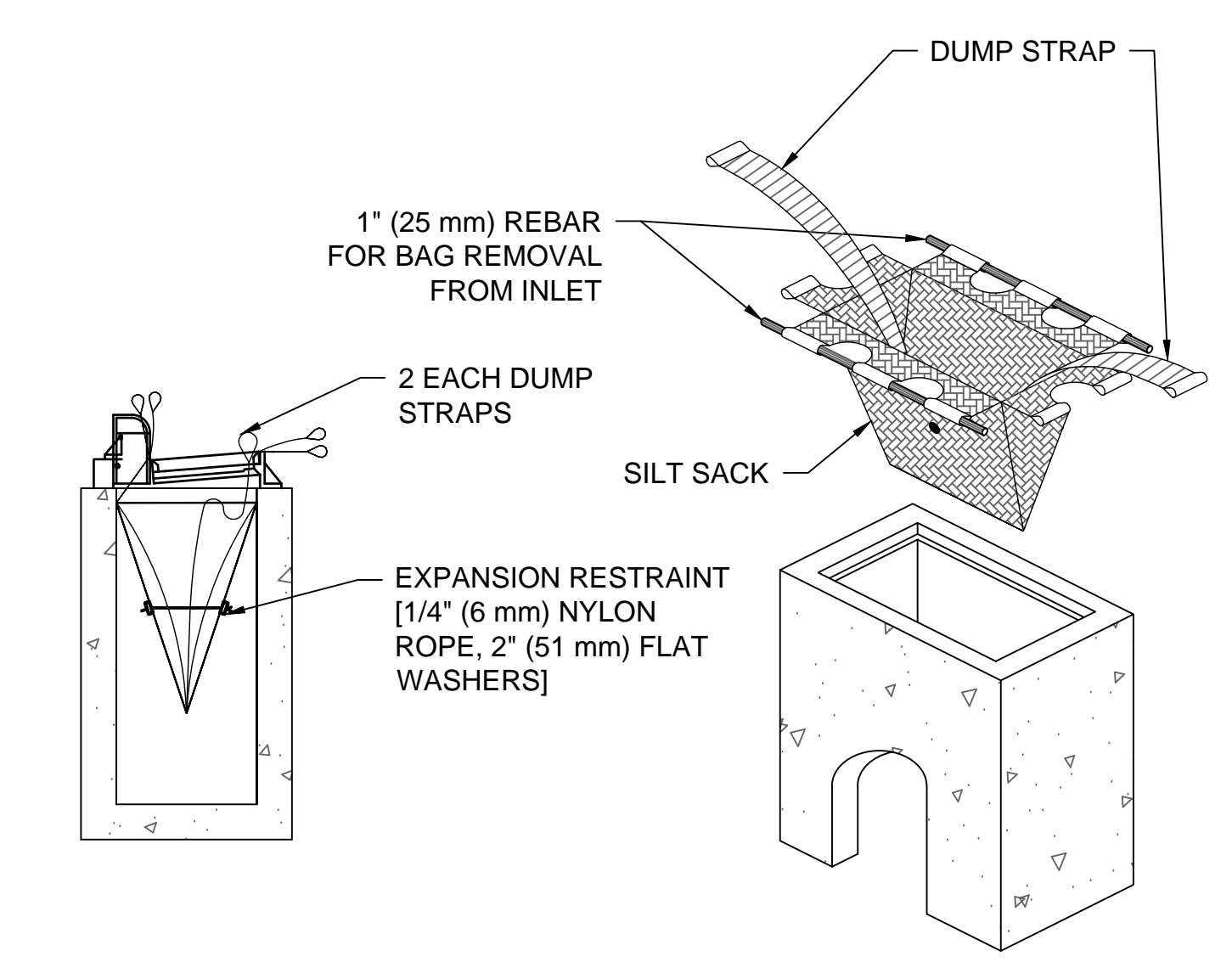
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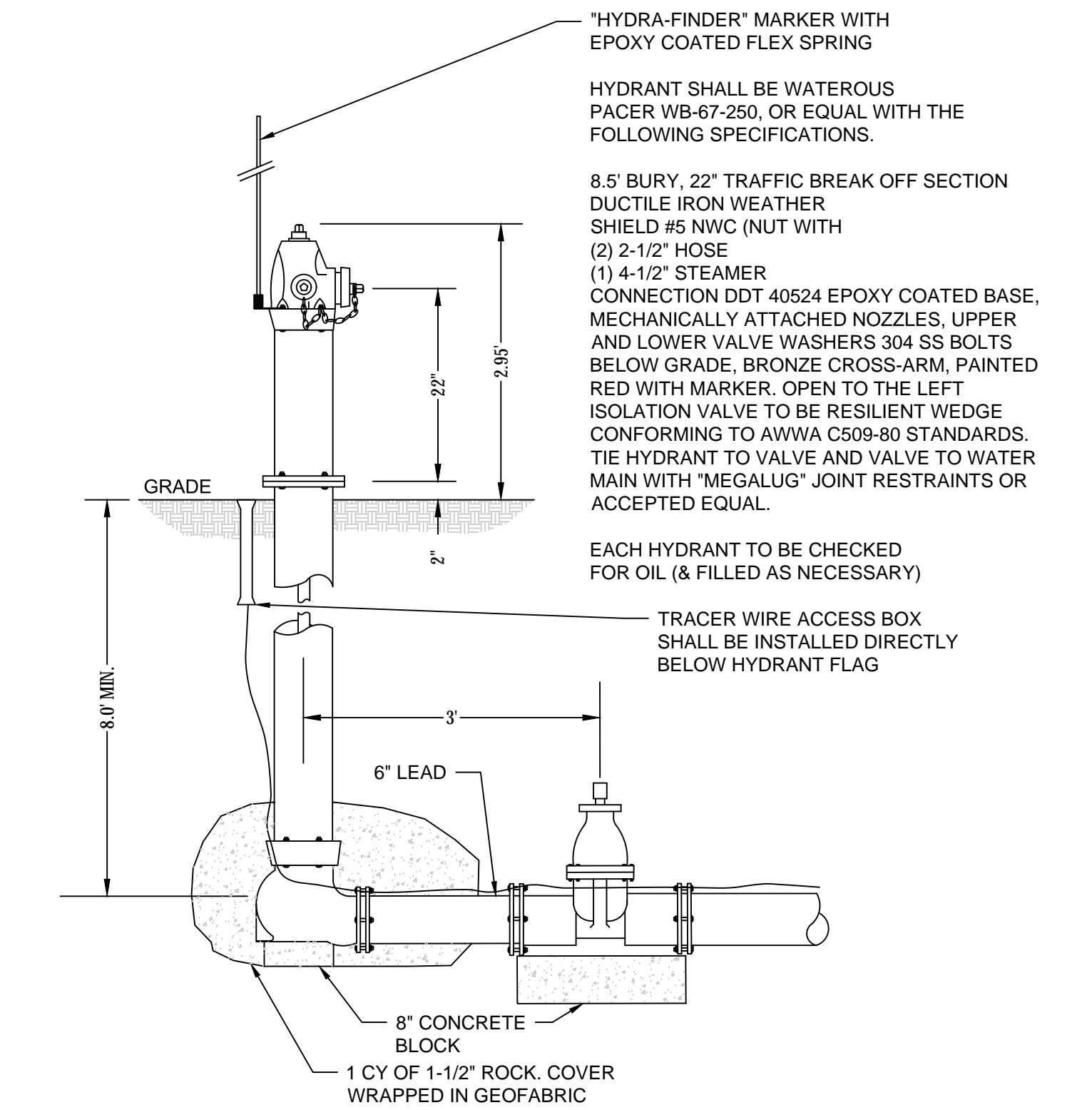
Dwg. 10 of 102



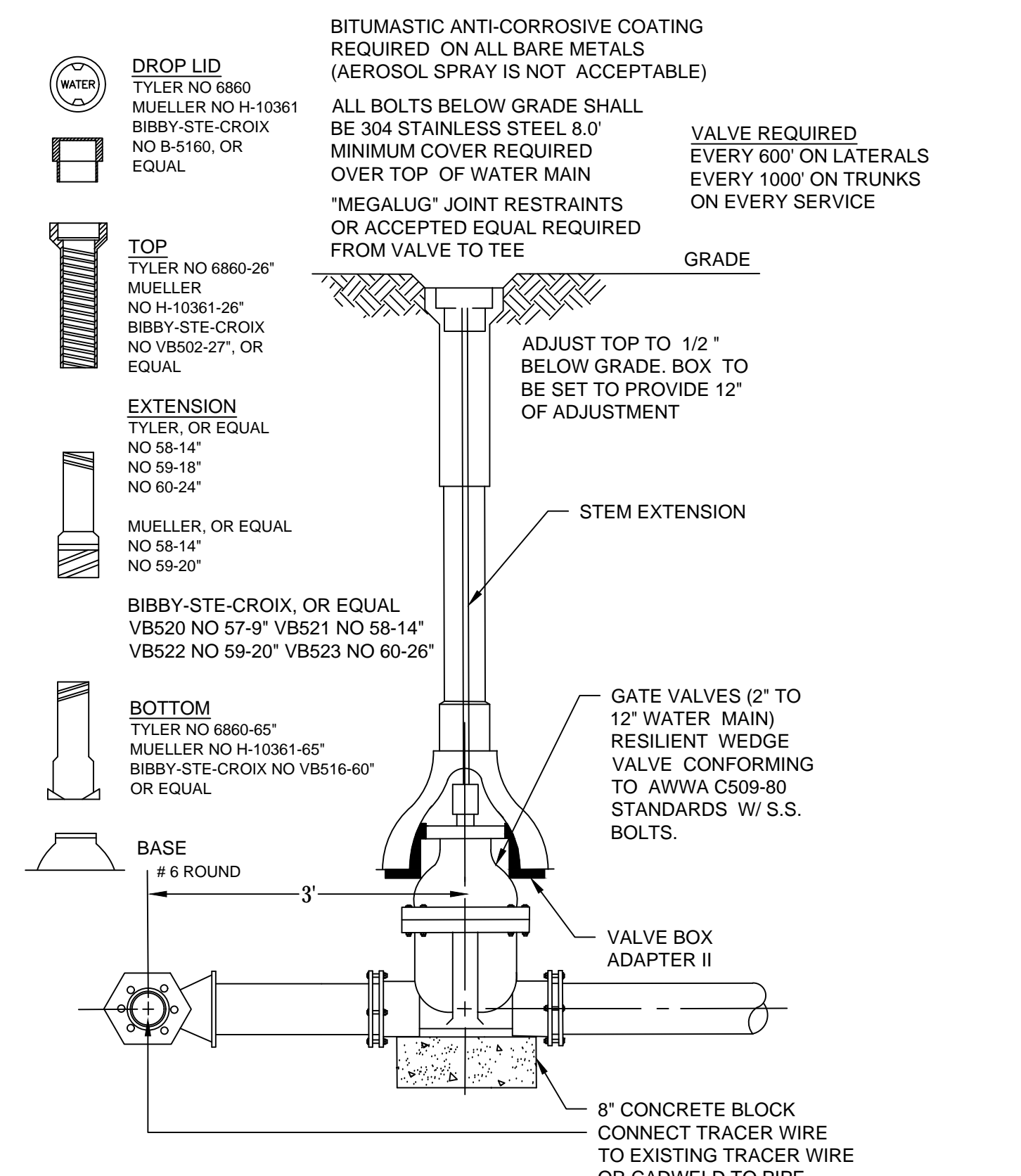
1 EROSION CONTROL BLANKET DETAIL
SCALE: NOT TO SCALE



2 STORM DRAIN INLET PROTECTION
SCALE: NOT TO SCALE

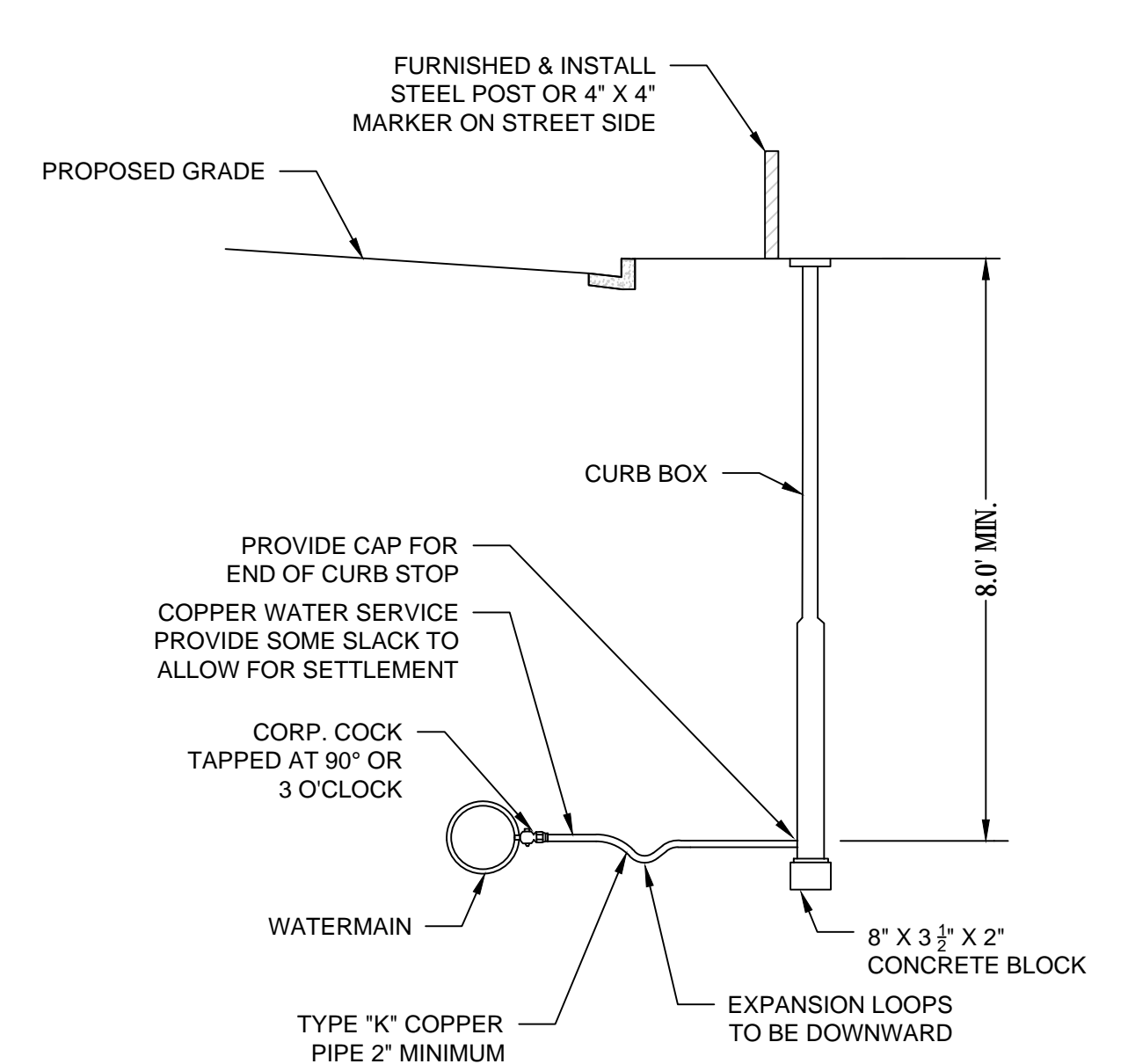


3 HYDRANT AND VALVE INSTALLATION
SCALE: NOT TO SCALE

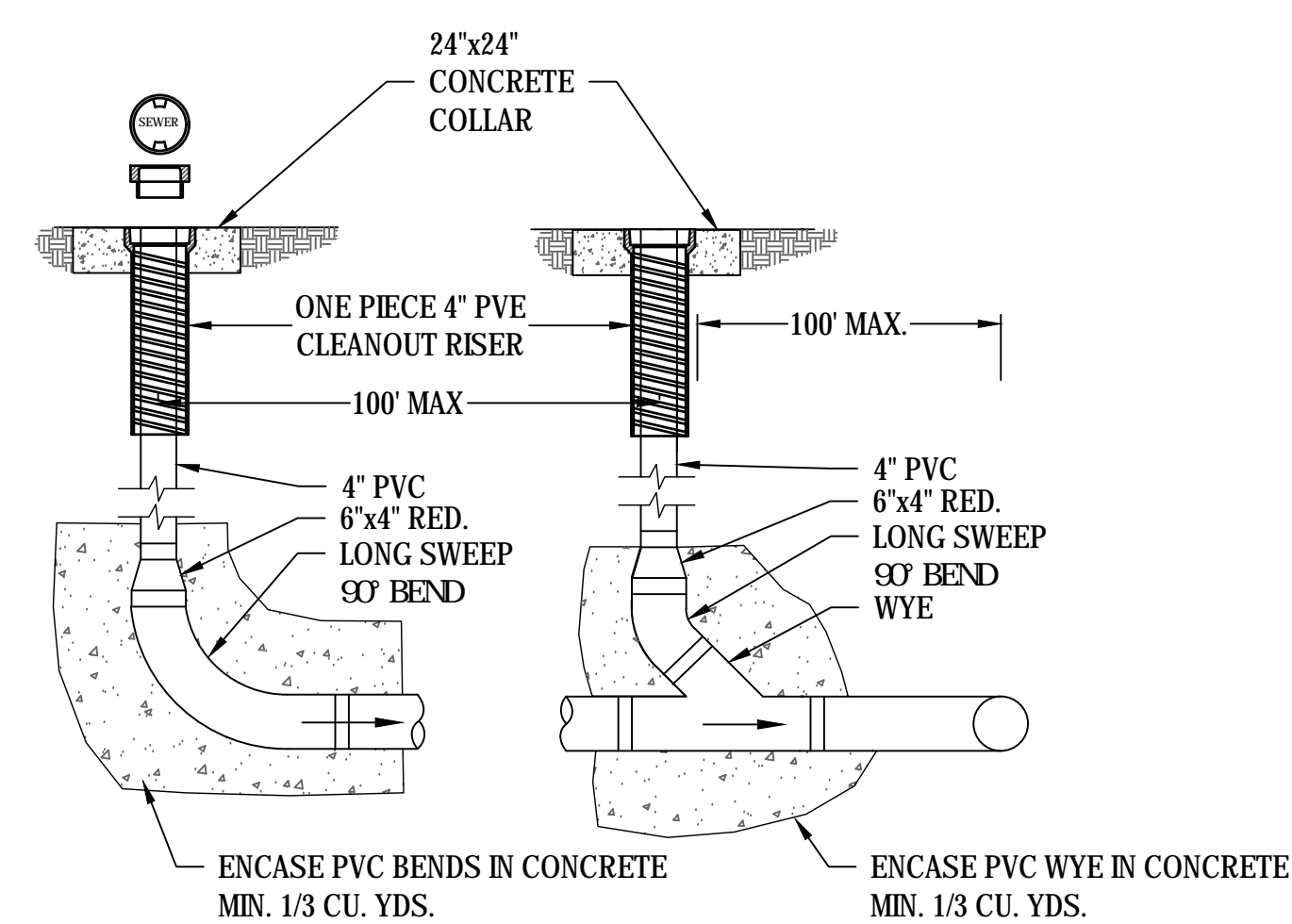


4 GATE VALVE AND BOX INSTALLATION
SCALE: NOT TO SCALE

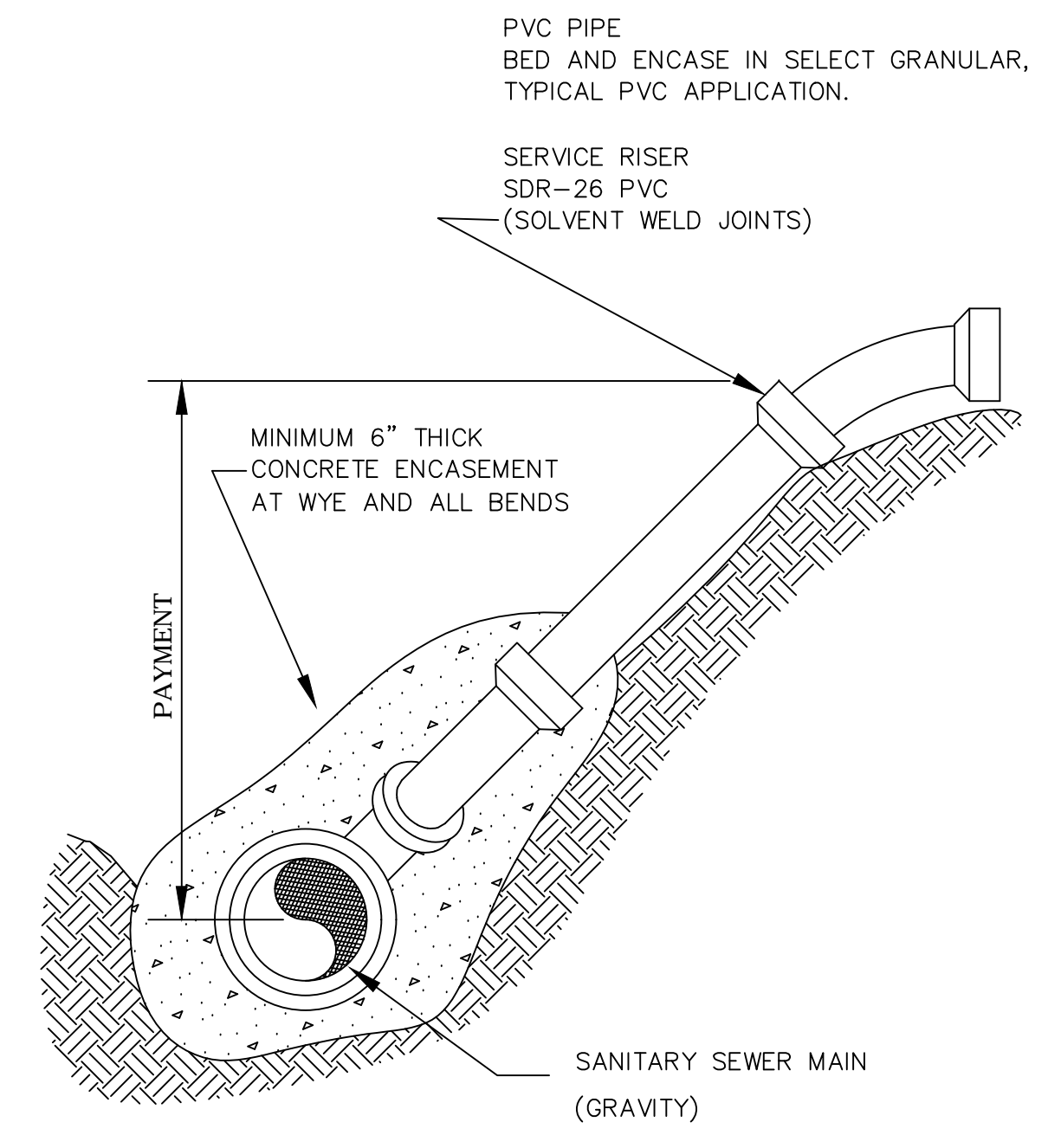
NOTE: CURB BOXES INSTALLED IN AREAS WHERE BOULEVARD IS TO BE CUT AT A LATER DATE SHALL BE INSTALLED AT DEPTH REQUIRED. CURB BOX EXTENSION FOR BOXES EXCEEDING 7.5' IN LENGTH ARE TO BE BID AT CONTRACT UNIT PRICE AND SHALL INCLUDE STACK COUPLINGS, CONNECTIONS, ETC.



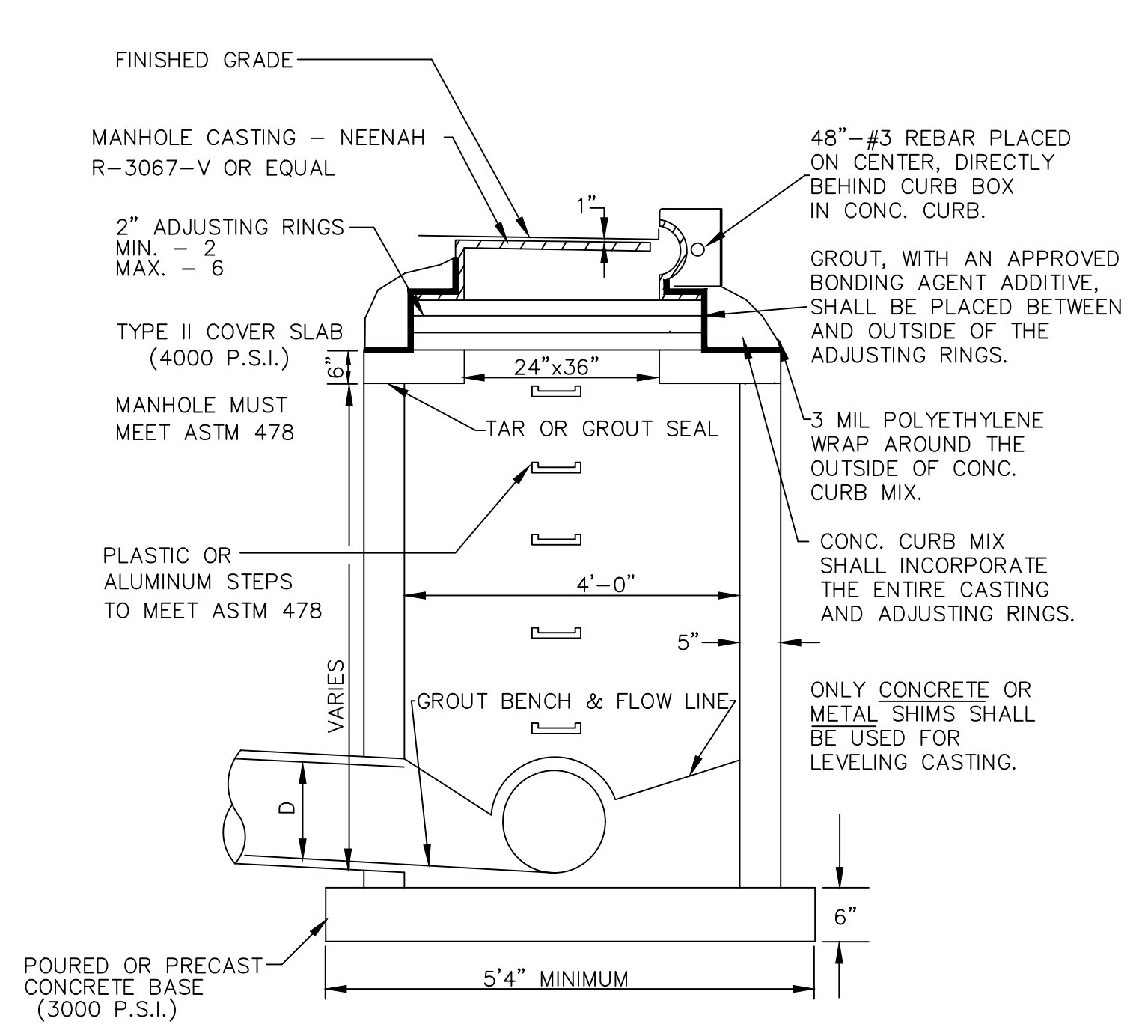
5 TYPICAL WATER SERVICE CONNECTION
SCALE: NOT TO SCALE



6 SANITARY CLEANOUT DETAIL
SCALE: NOT TO SCALE



7 SANITARY SERVICE RISER DETAIL
SCALE: NOT TO SCALE

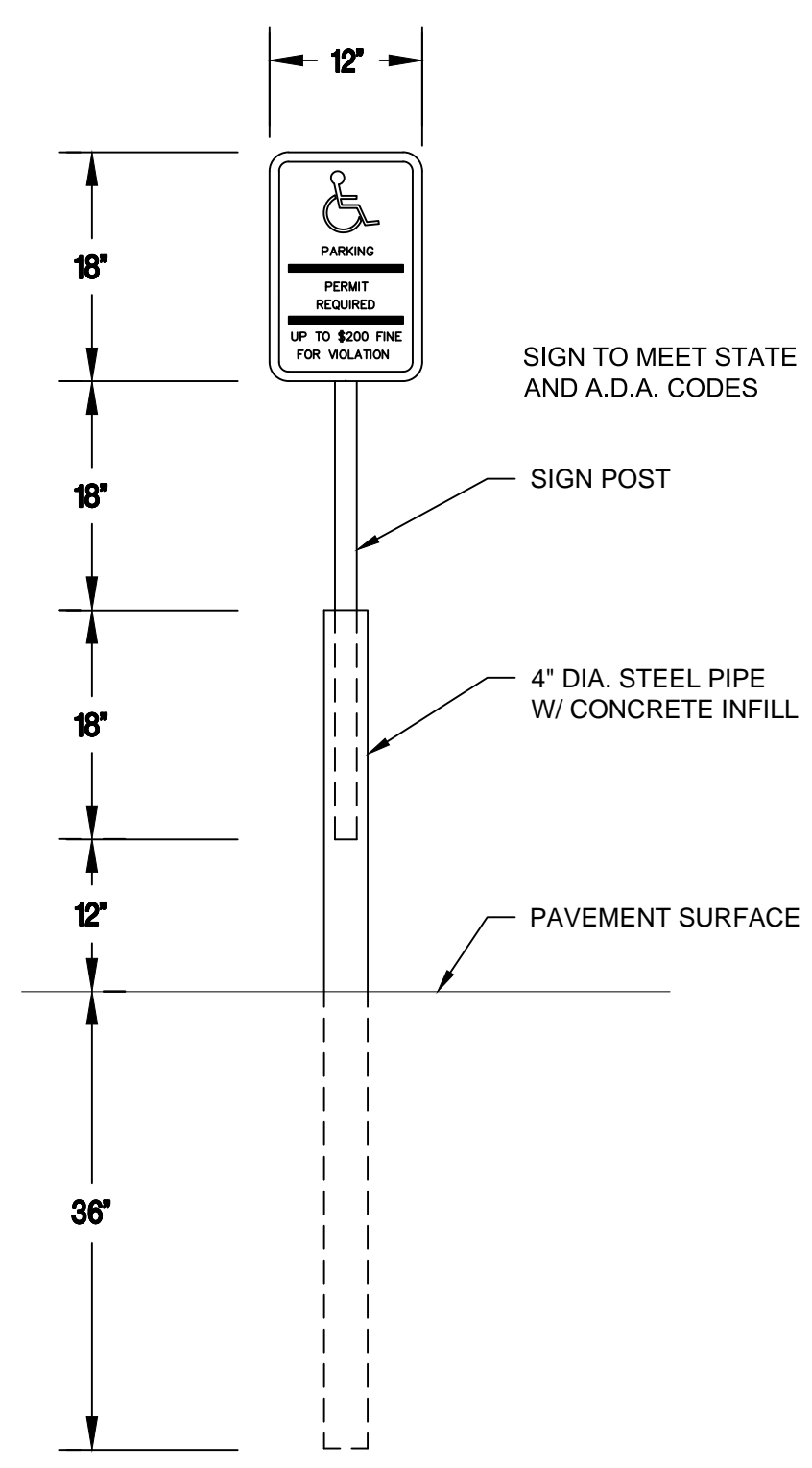


8 STANDARD CATCH BASIN DETAIL
SCALE: NOT TO SCALE

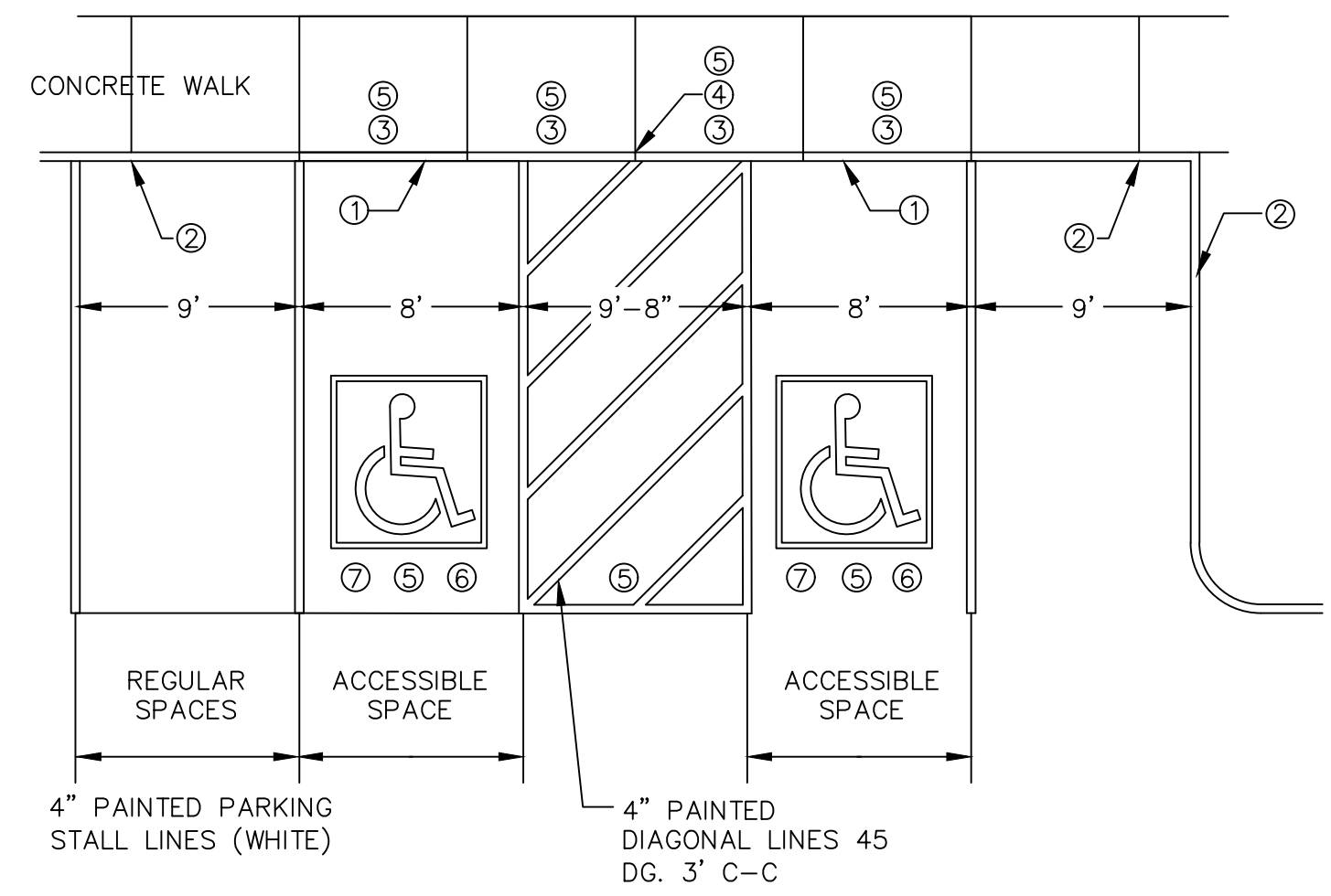
NOT FOR CONSTRUCTION

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CONSULTANT LEO A DALY 730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel: 612-338-8741 Fax: 612-338-4840	FARRIS ENGINEERING OMAHA LINCOLN COLORADO SPRINGS farris.com FE# 172074	ARCHITECT/ENGINEER OF RECORD ANDERSON ENGINEERING ANDERSON ENGINEERING OF MINNESOTA, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (9) 763-412-4090 (f) www.ae-mm.com AE PROJECT NO.: 14541	Stamp 	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title CONSTRUCTION DETAILS	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450
					Approved: Project Director		Location 2501 W 22nd St, Sioux Falls, SD, 57105	Building Number
Revisions	Date				Issue Date 10/01/2018	Checked EMS	Drawn IJW	Drawing Number CJ101



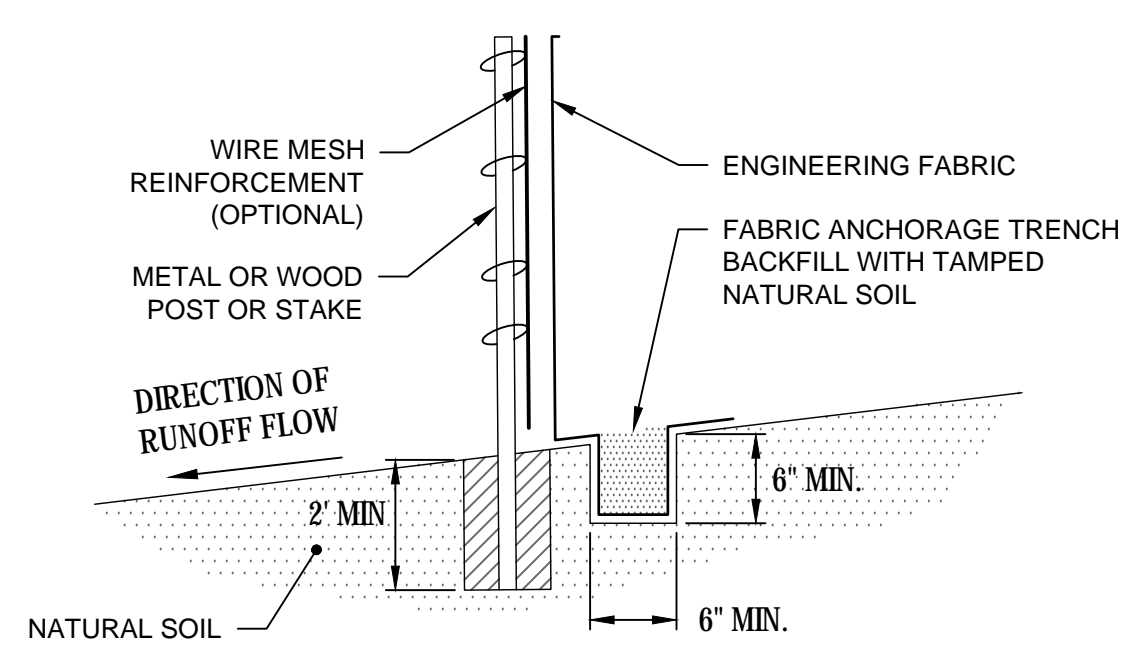
1 HANDICAP SIGN INSTALLATION DETAIL
SCALE: NOT TO SCALE



NOTES:
CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS. ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. TO ENSURE RAMP AND LANDING ARE PROPERLY CONSTRUCTED, LANDINGS MAY BE CAST SEPARATELY.
ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES. TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.
4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMP. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MINIMUM OF 24" IN THE PATH OF TRAVEL.

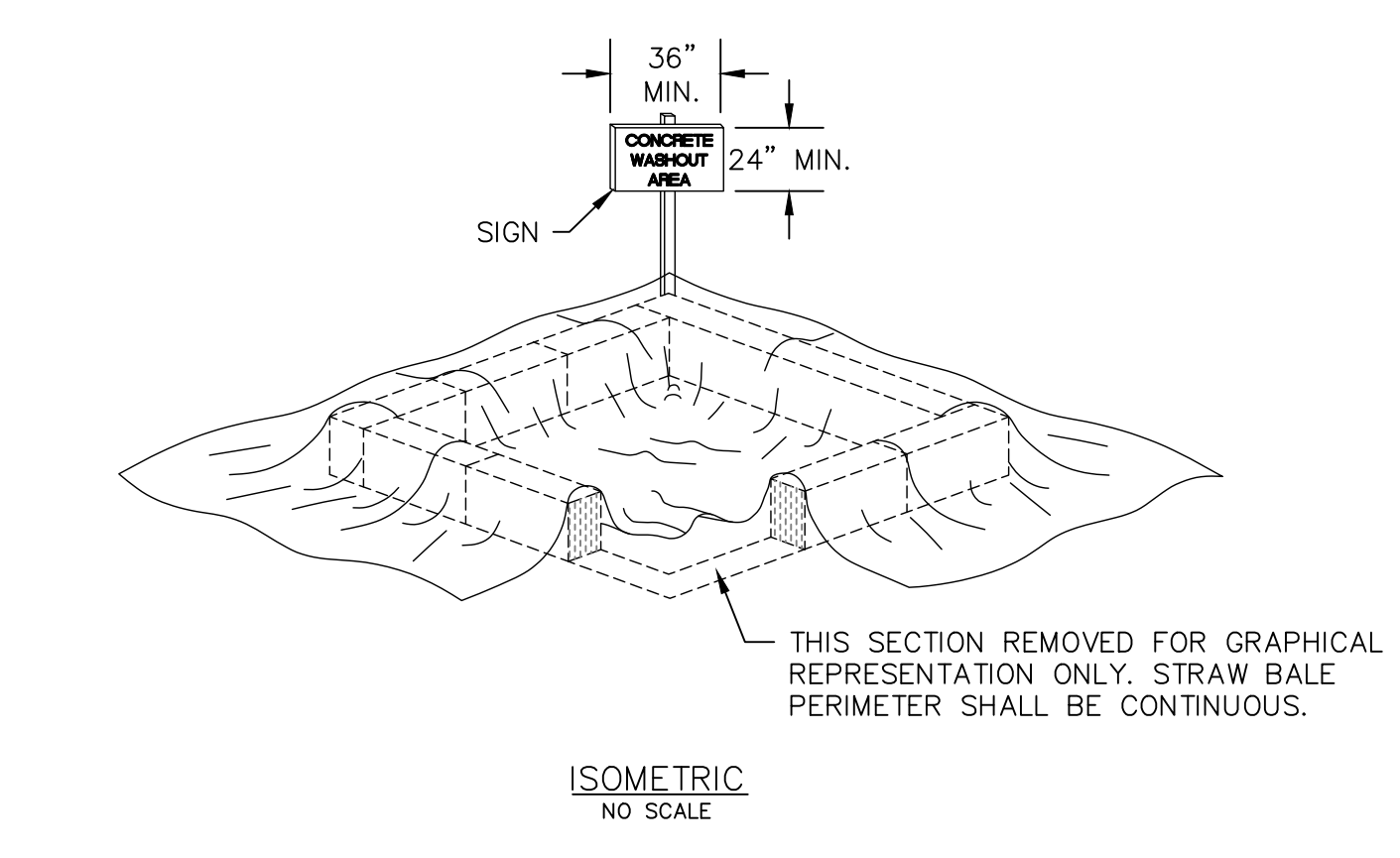
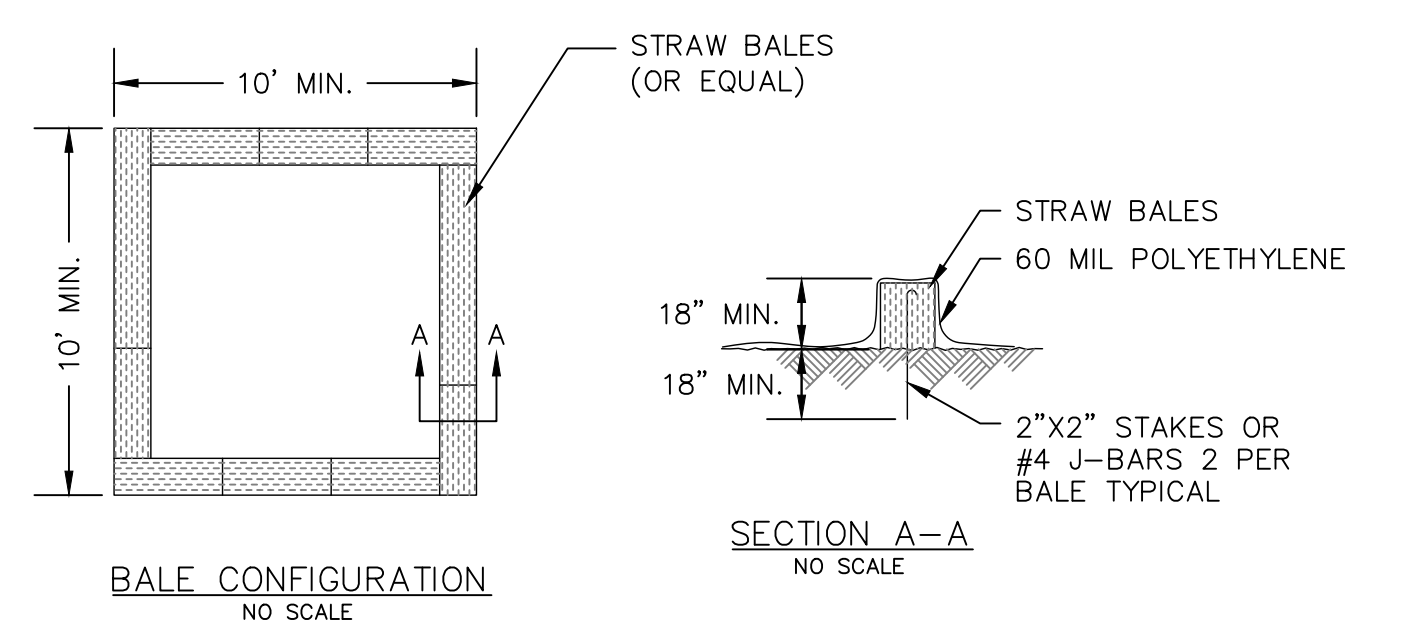
① 0" CURB HEIGHT FOR FULL LENGTH HANDICAP SPACES.
② FULL CURB HEIGHT
③ INSTALL DETECTABLE WARNING PANEL ACROSS FULL LENGTH OF FLUSH CURB.
④ 1/2" PREFORMED JOINT FILLER MATERIAL AASHTO M 213 JOINT FILLER SHALL BE PLACED FLUSH WITH THE BACK OF CURB AND ADJACENT SIDEWALK. RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB.
⑤ MAX 2.0% SLOPE IN ALL DIRECTIONS WITHIN ACCESSIBLE ROUTE.
⑥ IF LONGITUDINAL SLOPE IS GREATER THAN 5.0%, 4' X 4' MIN. LANDING WITH MAX 2.0% SLOPE IN ALL DIRECTIONS REQUIRED.
⑦ ACCESSIBILITY SYMBOL 28" HIGH BY 24" WIDE IN A 48 SQUARE BLUE BACKGROUND WITH WHITE BORDER PER USDOT MUTCD FIG 3B-22.

2 ACCESSIBLE STALL PLAN
SCALE: NOT TO SCALE



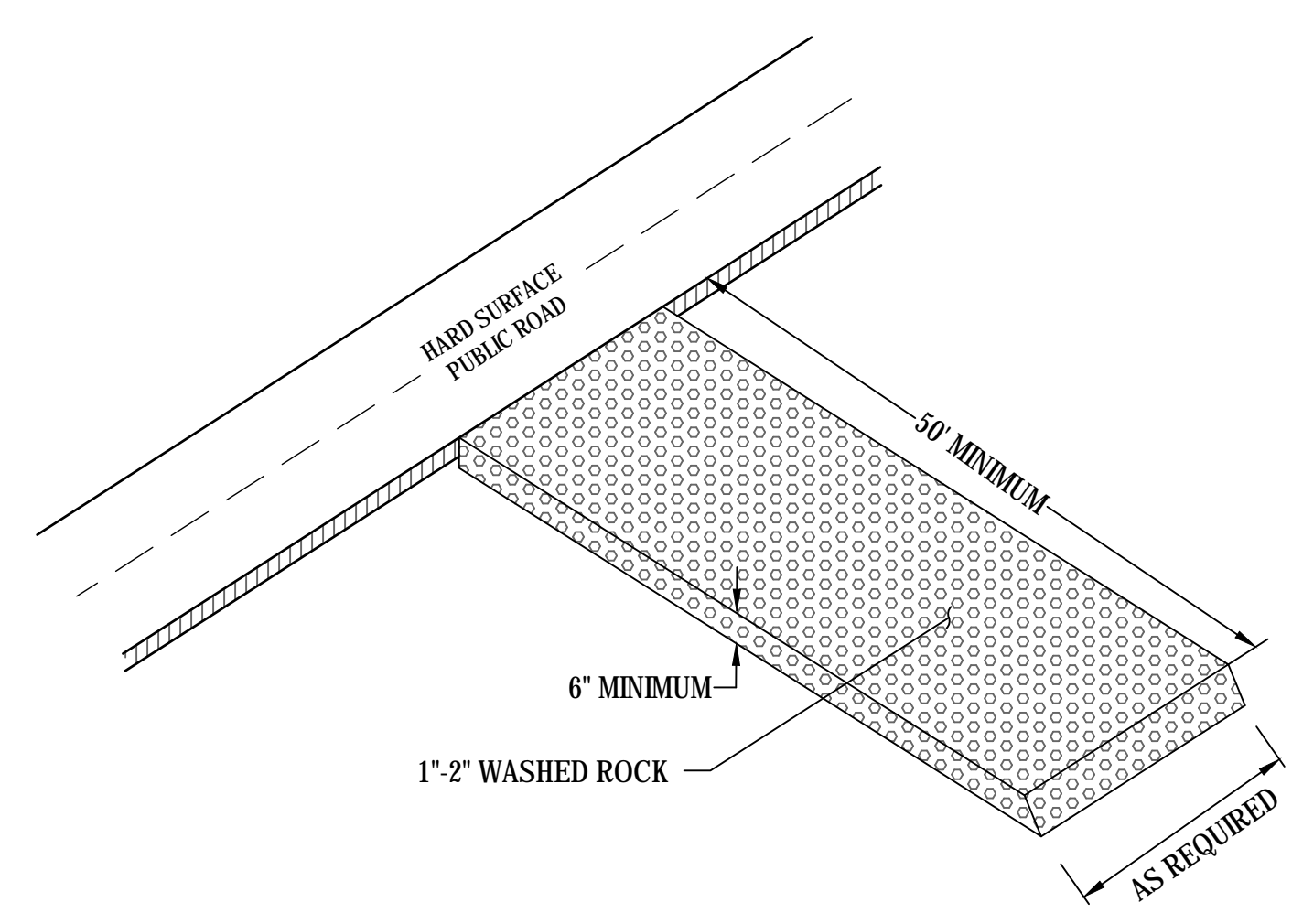
NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH WITH HOG RINGS, STEEL POSTS WITH TIE WIRES, OR WOOD POSTS WITH STAPLES.

3 EROSION CONTROL FENCE
SCALE: NOT TO SCALE

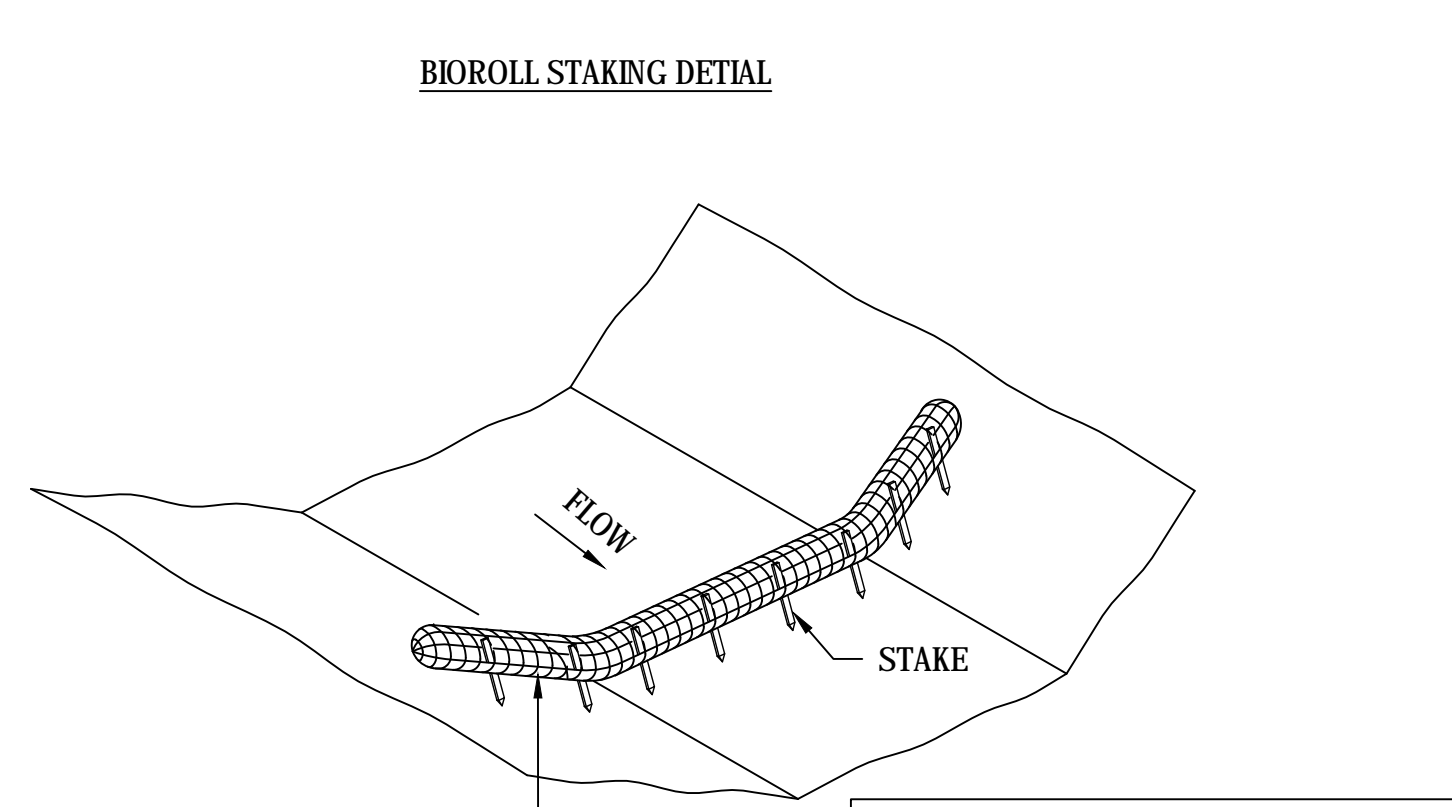
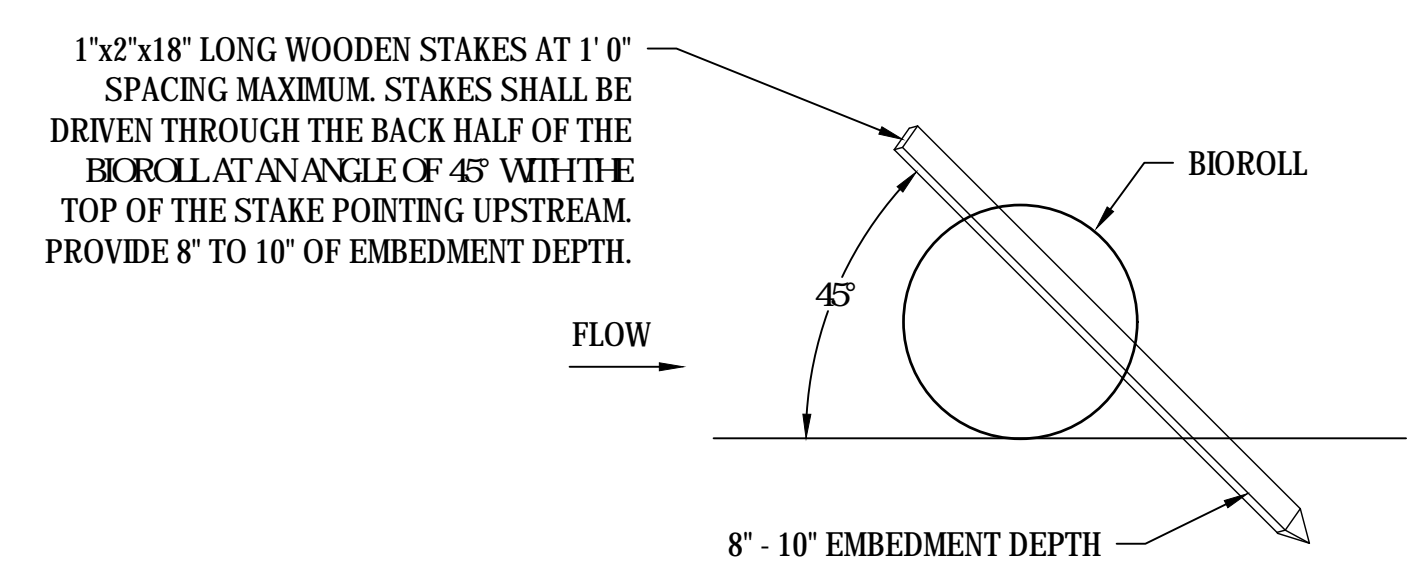


NOTES:
1. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT.
2. CONCRETE WASHOUT SHALL BE LOCATED BEHIND CURB AND 50-FT MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES.

4 CONCRETE WASHOUT
SCALE: NOT TO SCALE

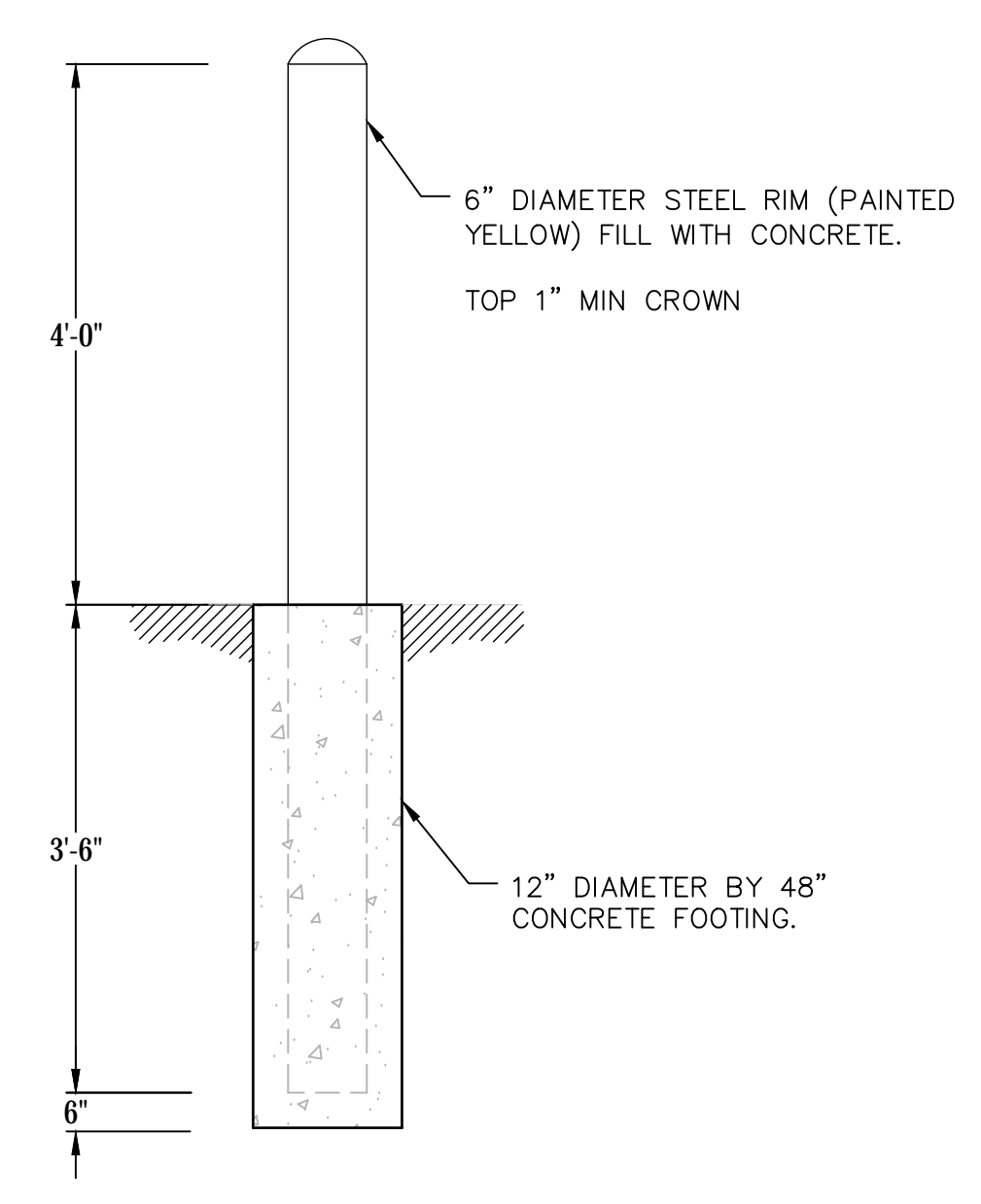


5 ROCK CONSTRUCTION ENTRANCE DETAIL
SCALE: NOT TO SCALE

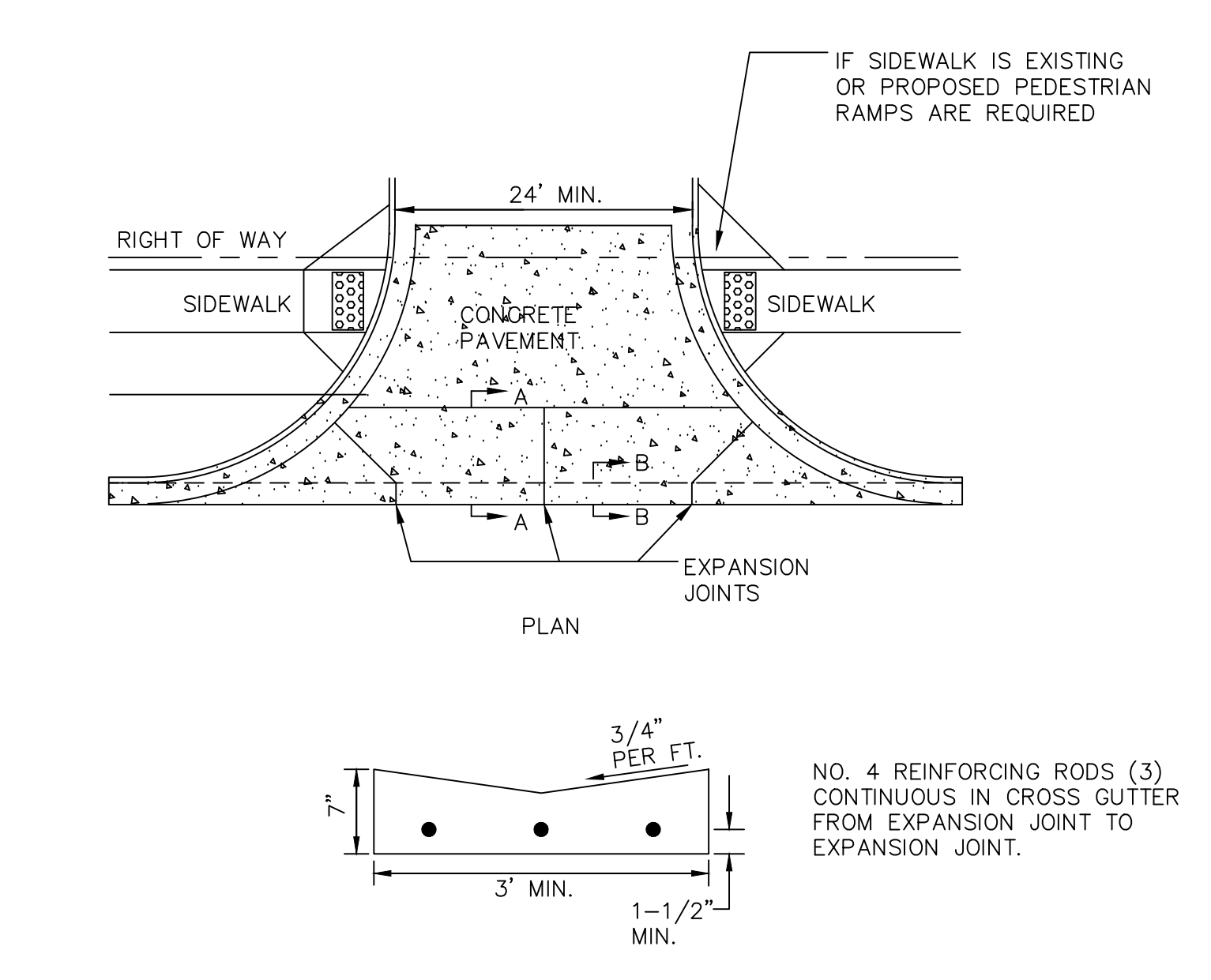
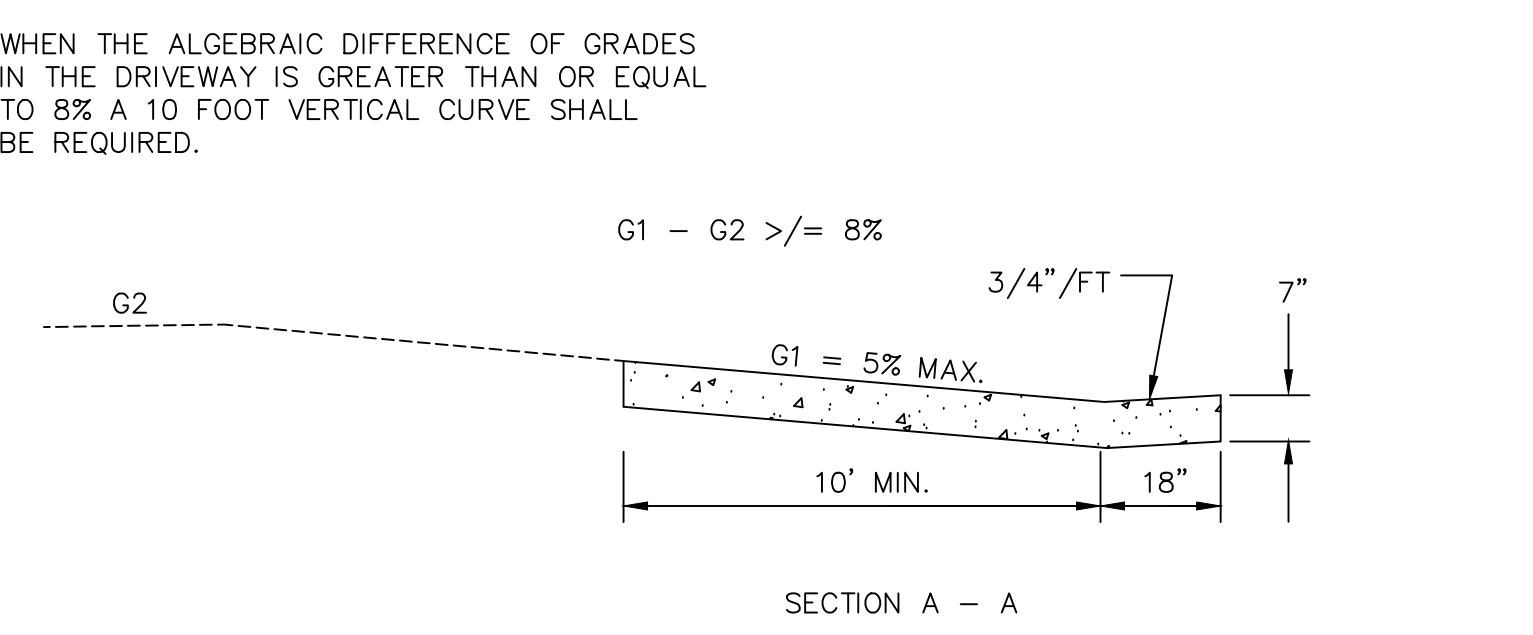


GENERAL DESIGN GUIDELINES	
STORM FREQUENCY:	2 YR. - 24 HR.
MAX. FLOW VELOCITY:	1.5 FT./SECOND
MAX. DITCH GRADE:	1.3% - 3%
MAX. DRAINAGE AREA:	2 ACRE

6 BIOROLL DETAIL
SCALE: NOT TO SCALE



7 CONCRETE BOLLARD
SCALE: NOT TO SCALE



8 ENTRANCE APRON AND VALLEY GUTTER
SCALE: NOT TO SCALE

NOT FOR CONSTRUCTION

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Revisions	Date

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AE PROJECT NO.: 14541

Stamp
REGISTERED PROFESSIONAL ENGINEER
REG. NO. 9122
PROGER A. ANDERSON
STATE OF MINNESOTA
OCT 12 2016

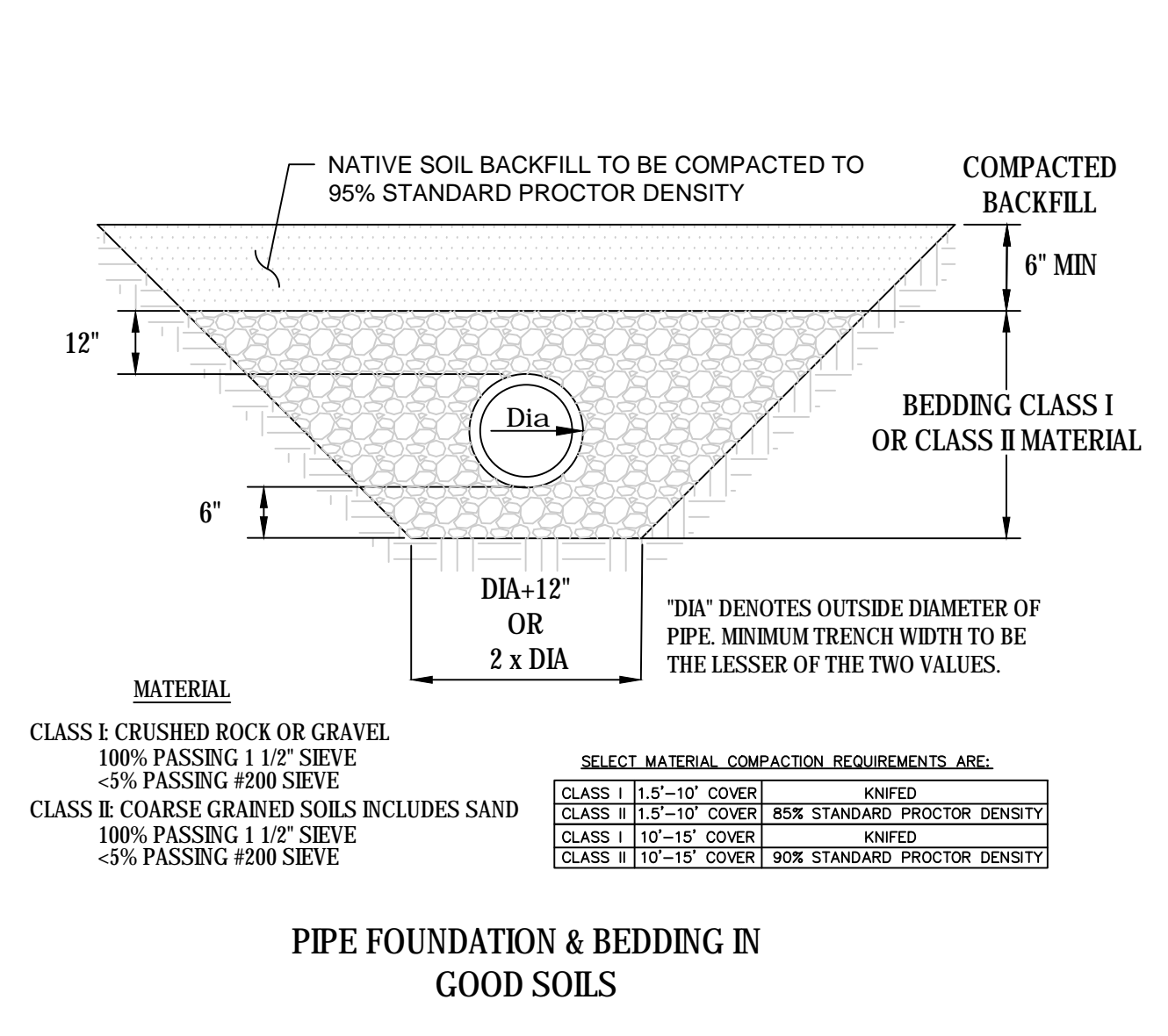
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title
CONSTRUCTION DETAILS
Approved: Project Director

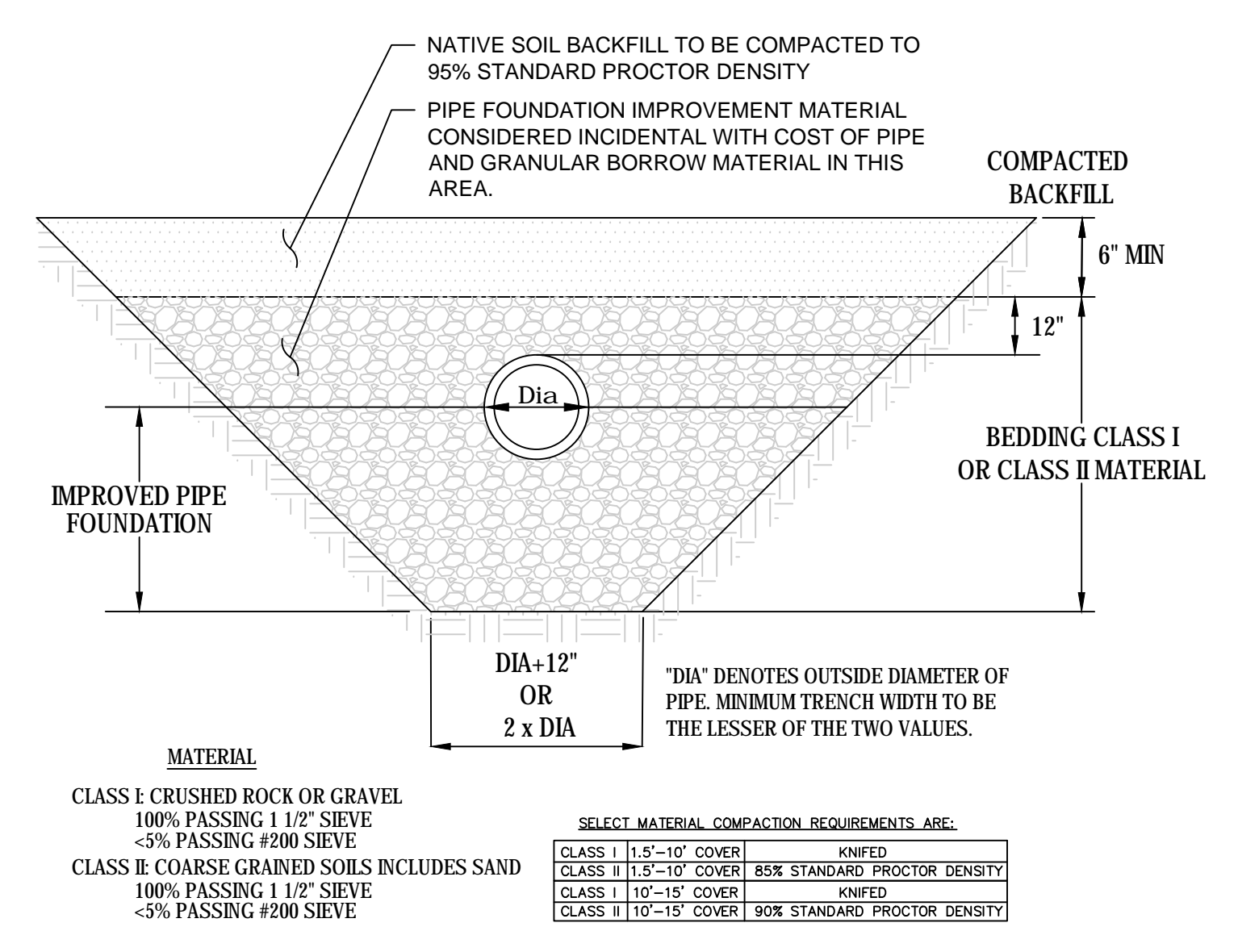
Phase
100% BID DOCUMENTS

Project Title
Outpatient Mental Health Building
Location
2501 W 22nd St, Sioux Falls, SD 57105
Issue Date
10/01/2018

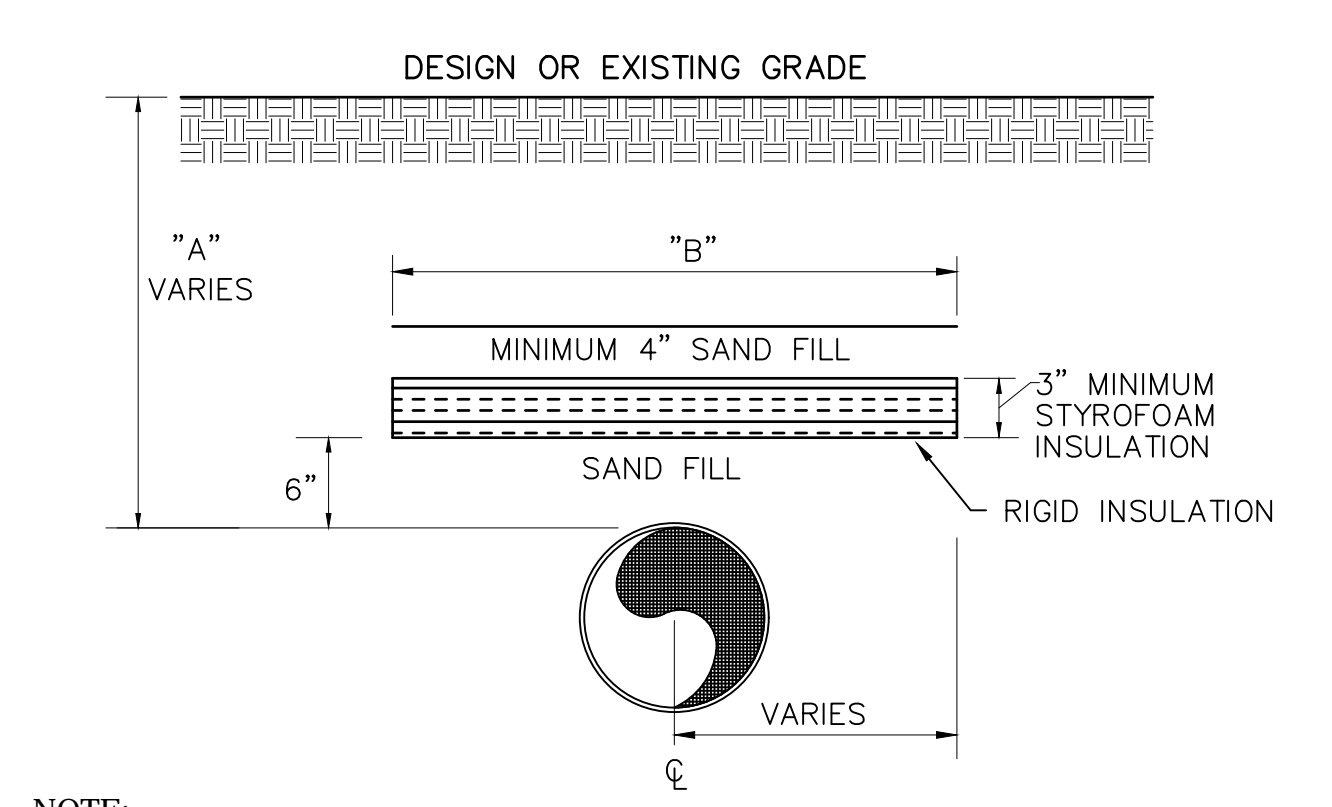
Project Number
VA #438-450
Building Number
CJ102
Drawing Number
Dwg. 12 of 102



1 BEDDING AND BACKFILL FOR PVC PIPE (GOOD SOILS)
SCALE: NOT TO SCALE



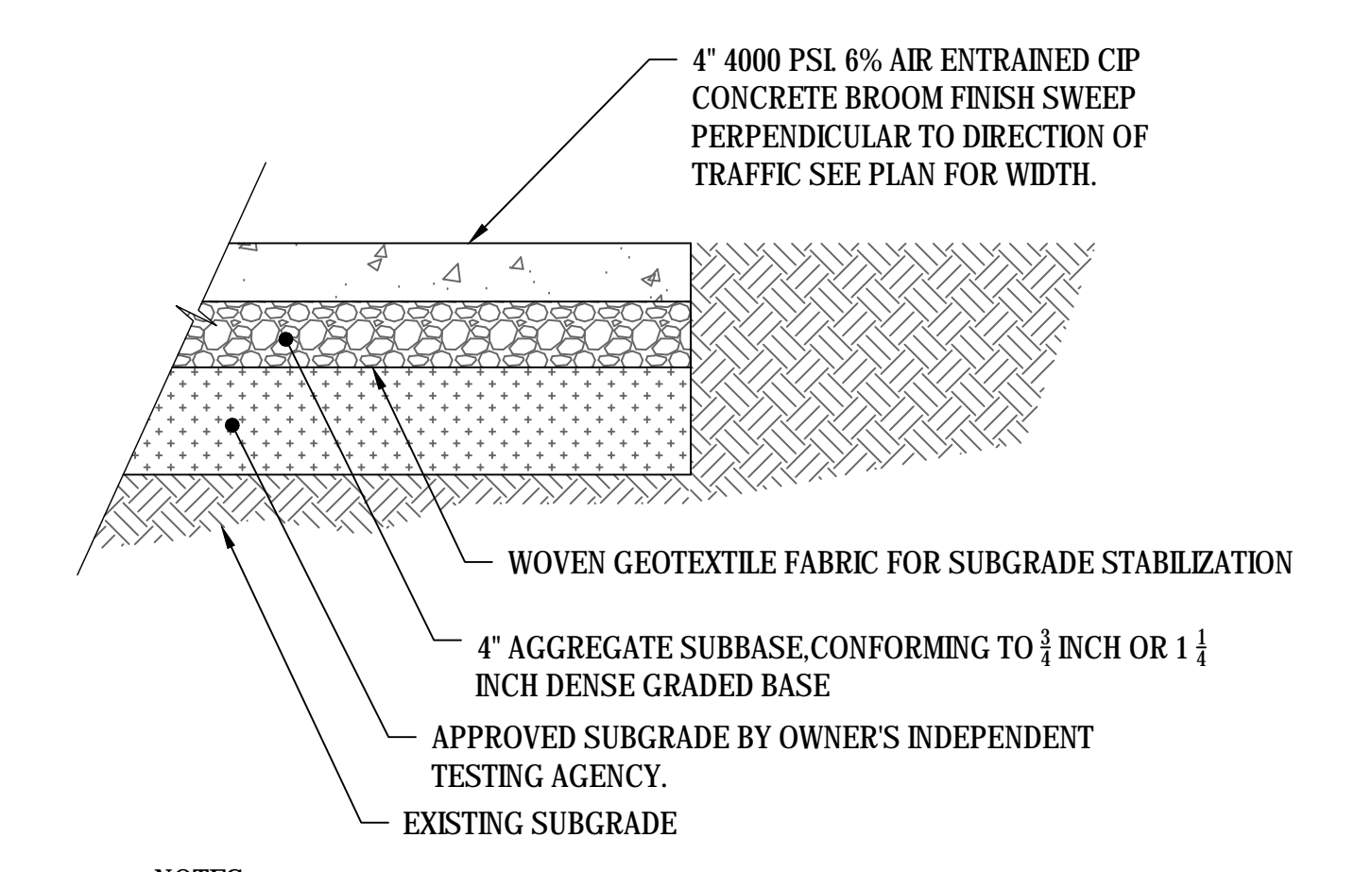
2 BEDDING AND BACKFILL FOR PVC PIPE (POOR SOILS)
SCALE: NOT TO SCALE



NOTE:
PIPE SHALL BE CENTERED UNDER INSULATION UNLESS OTHERWISE SPECIFIED.

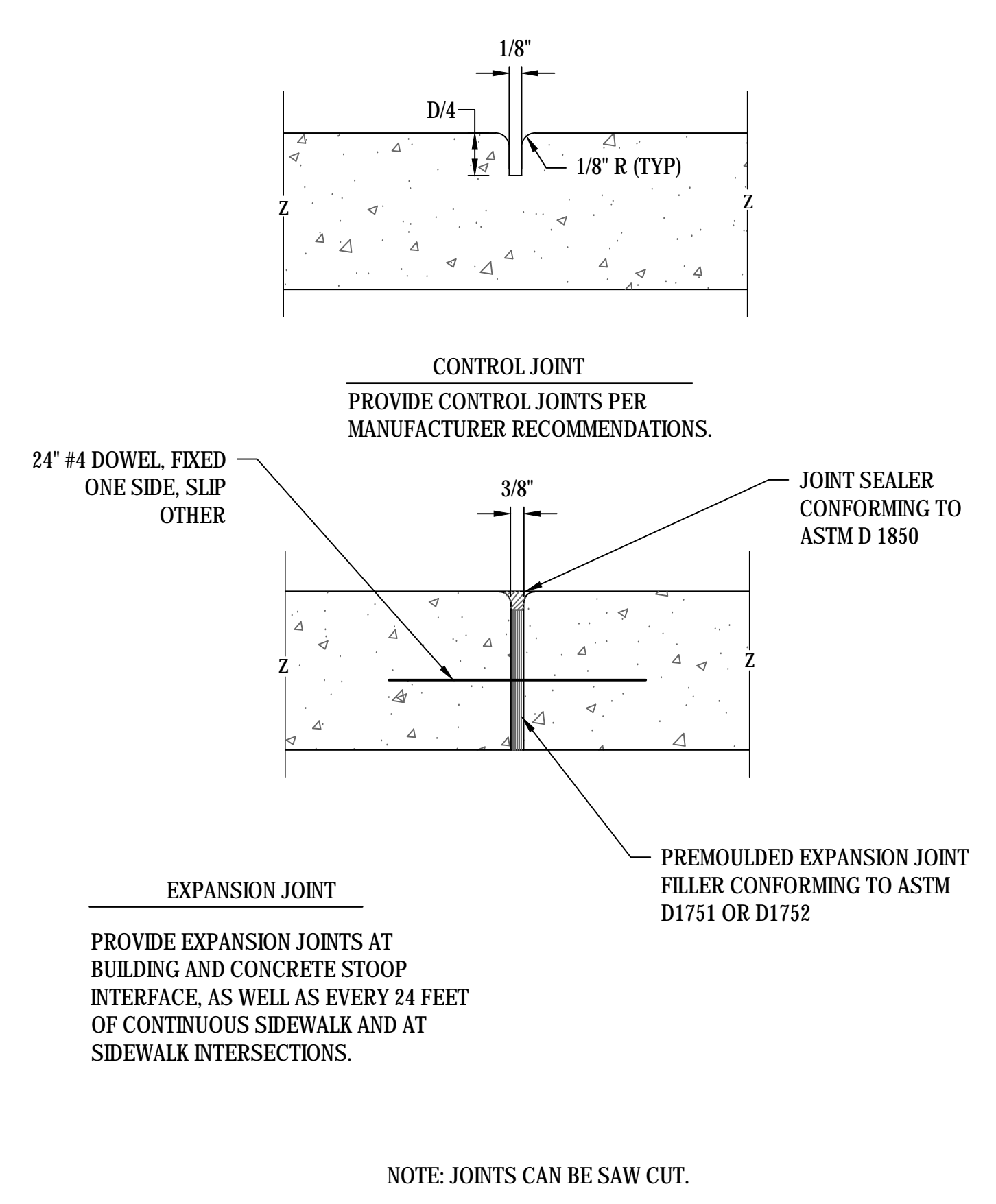
COVER OVER PIPE - "A"	MIN. WIDTH OF INSULATING BOARD - "B"
2'	11'
3'	9'
4'	7'
5'	5'
6'- 7'	4'

3 WATERMAIN INSULATION DETAIL
SCALE: NOT TO SCALE

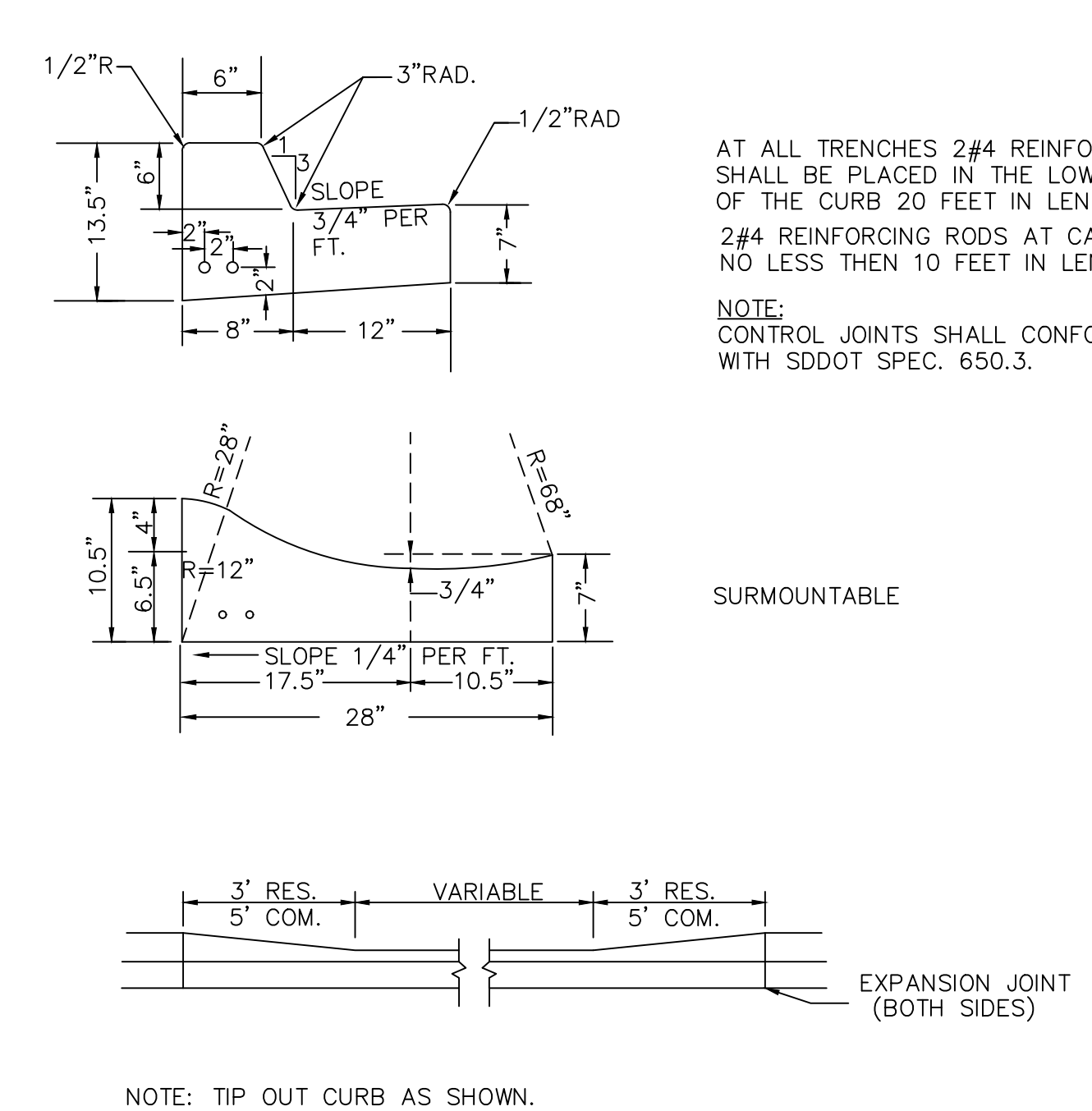


- NOTES:
- CONCRETE JOINTS PER MANUFACTURER RECOMMENDATIONS.
 - VERIFY CONCRETE AND BASE COURSE WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS.

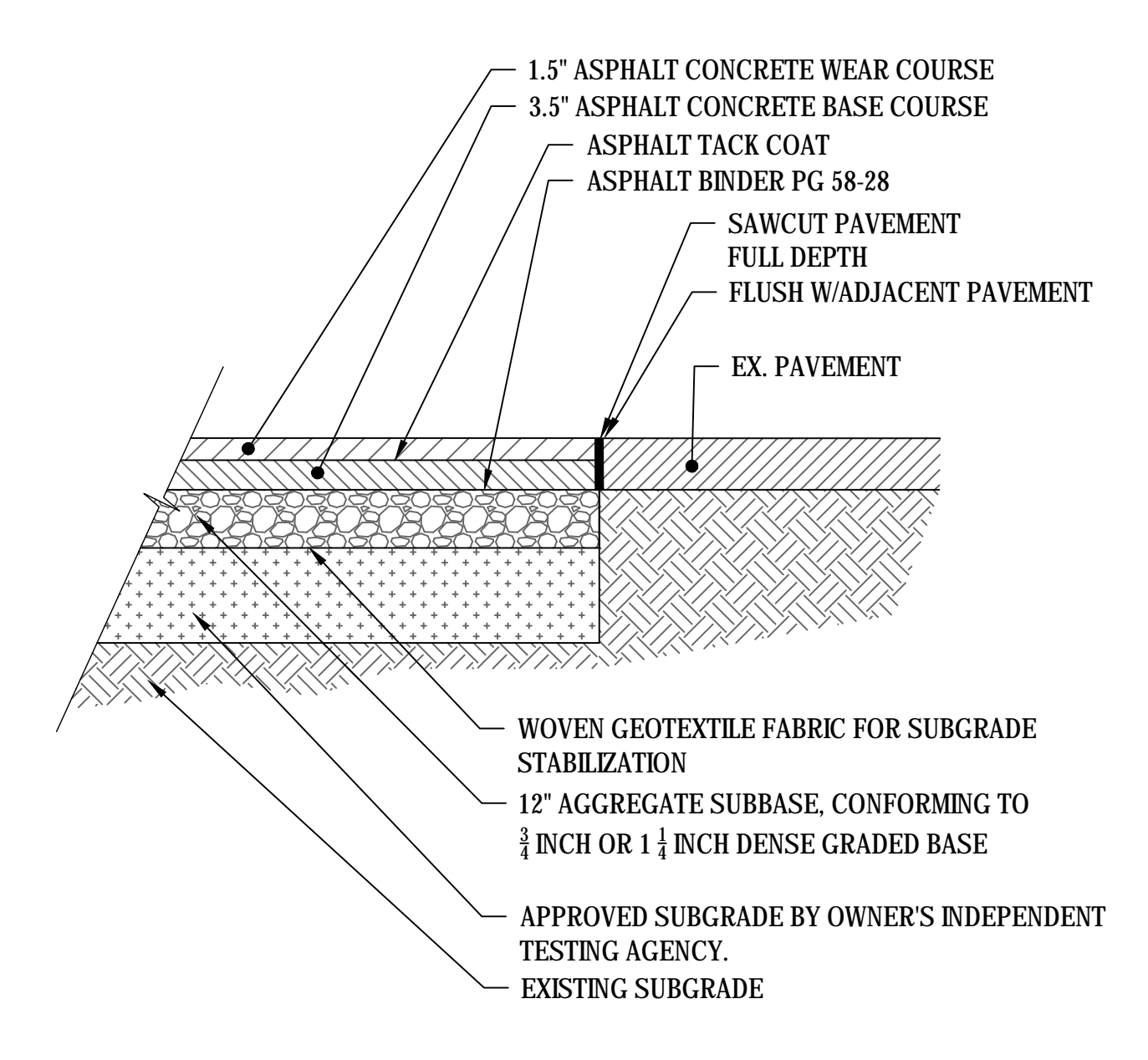
4 TYPICAL CONCRETE SIDEWALK SECTION
SCALE: NOT TO SCALE



5 CONTROL JOINTS DETAIL
SCALE: NOT TO SCALE

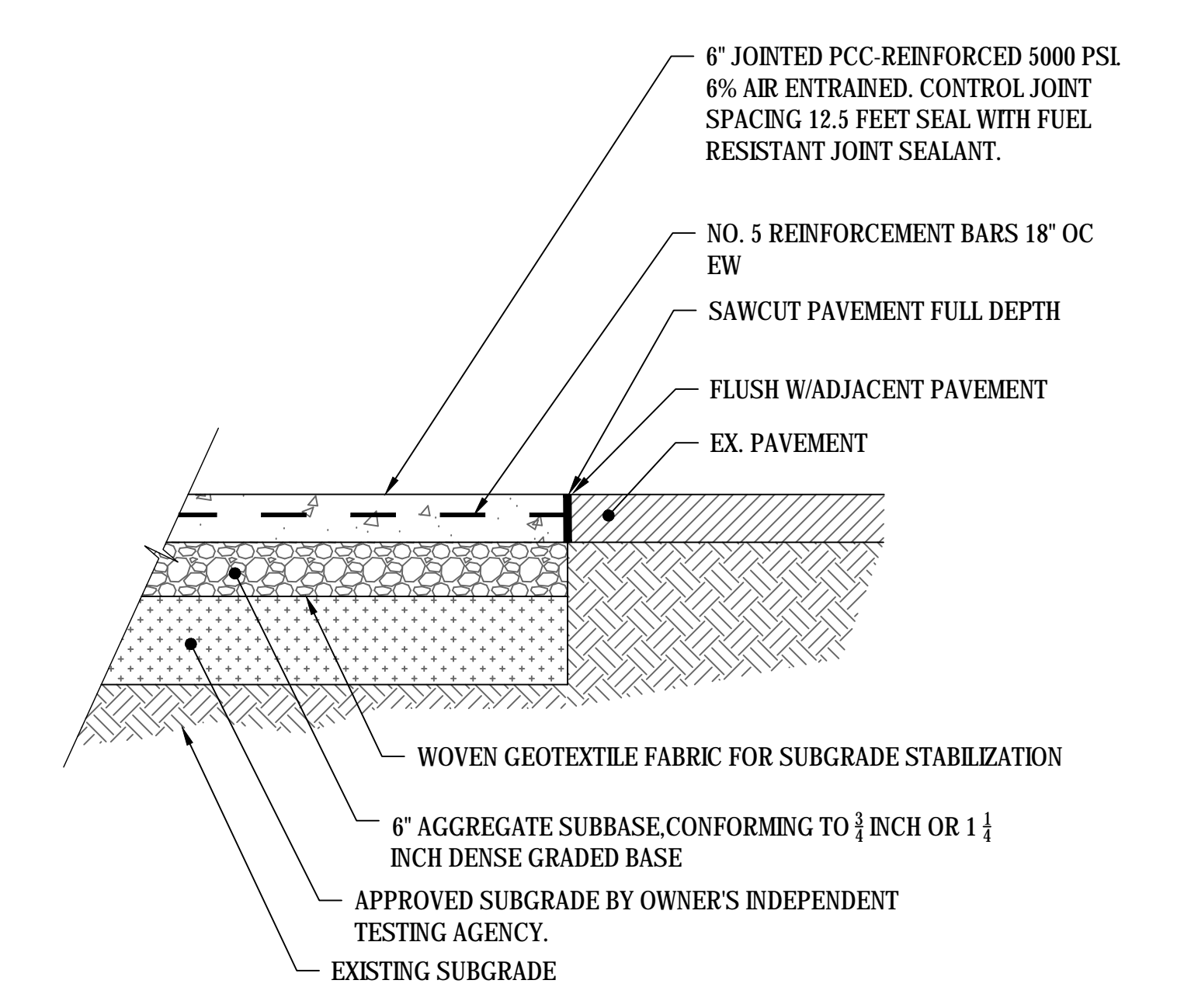


6 TYPICAL CONCRETE CURB AND GUTTER DETAIL
SCALE: NOT TO SCALE



- NOTES:
- VERIFY ASPHALT AND BASE COURSE WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS.

7 TYPICAL ASPHALT PAVEMENT SECTION (REMOVED FROM PROJECT)
SCALE: NOT TO SCALE



- NOTES:
- EXTEND 6" AGGREGATE BASE 1' MINIMUM PAST CONCRETE EDGE IF CONCRETE IS NOT ABUTTING EXISTING PAVEMENT OR STRUCTURES.
 - CONCRETE JOINTS PER MANUFACTURER RECOMMENDATIONS.
 - VERIFY CONCRETE AND BASE COURSE WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS.

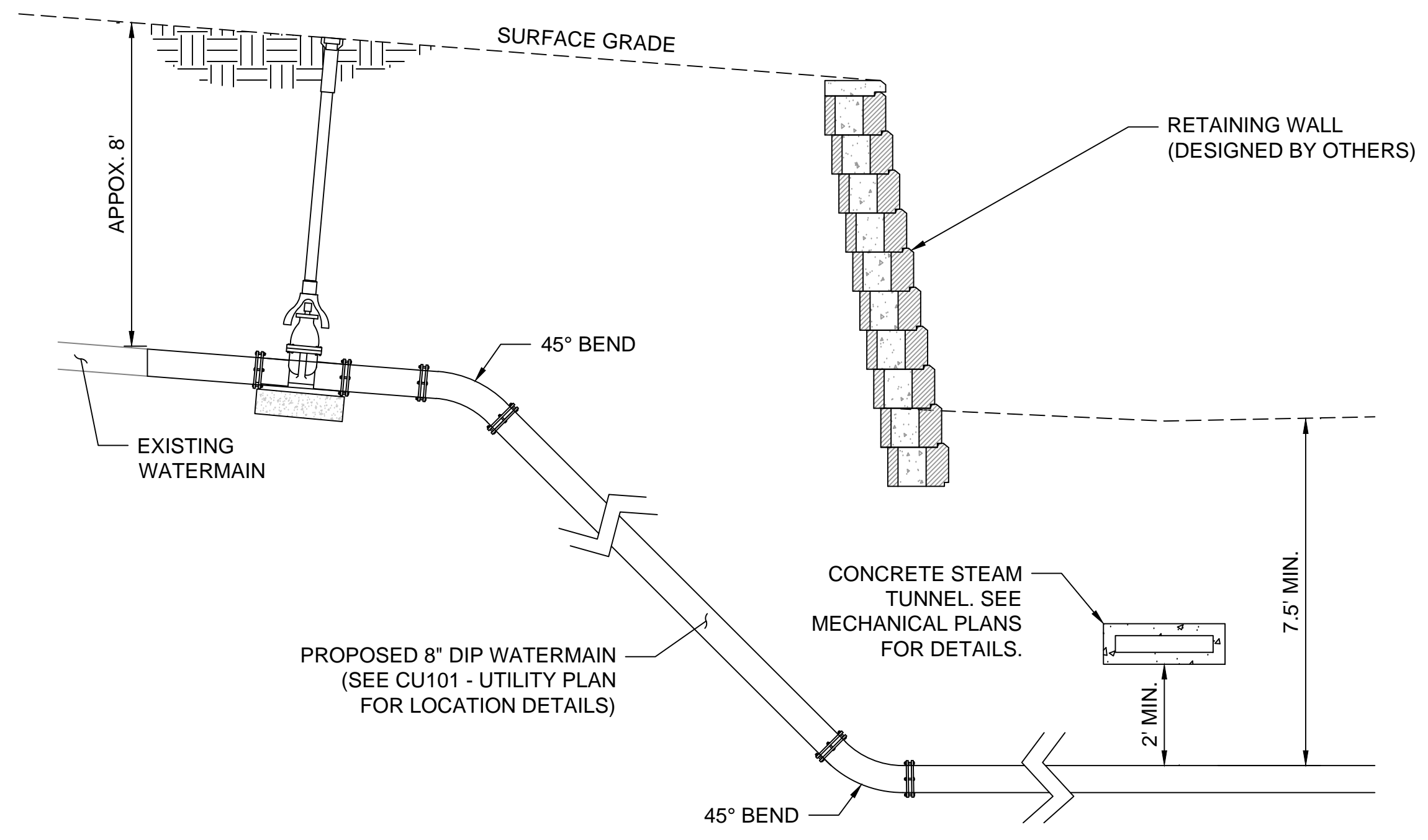
8 TYPICAL CONCRETE PAVEMENT SECTION
SCALE: NOT TO SCALE

NOT FOR CONSTRUCTION

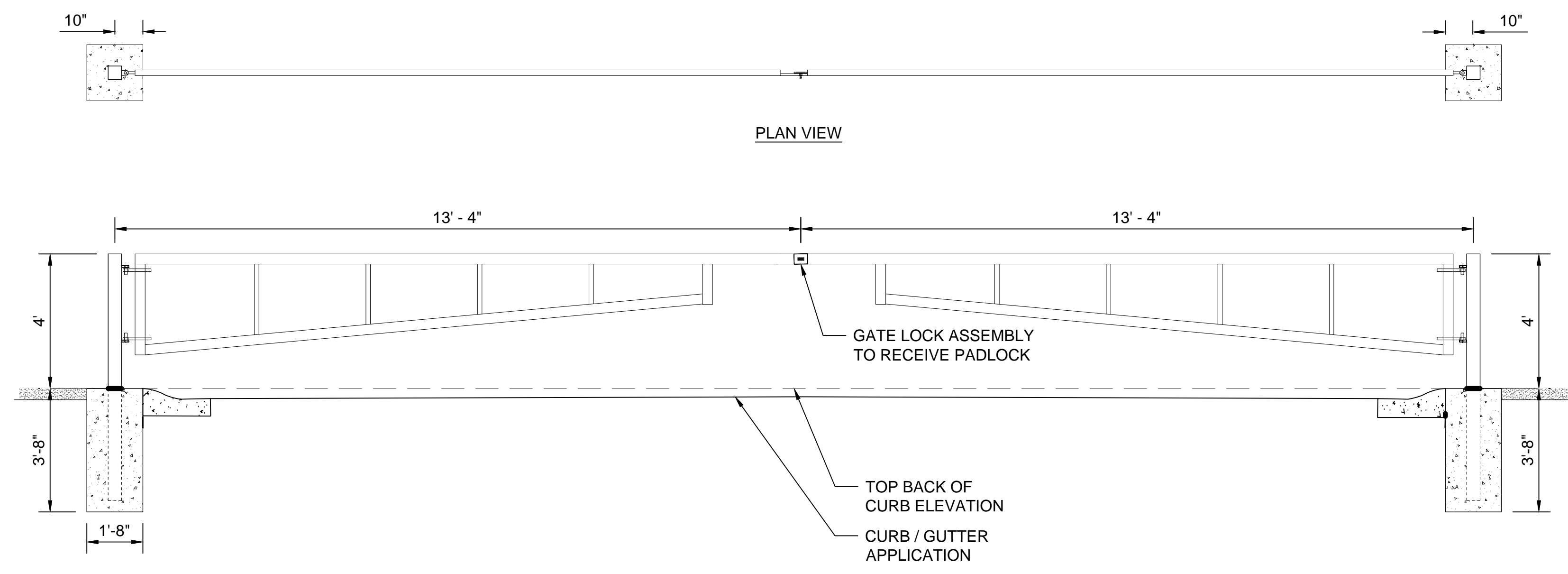
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CONSULTANT LEO A DALY 730 Second Avenue South, Suite 1100 Minneapolis, MN 55402-2455 Tel 612-338-8741 Fax 612-338-4840	ARCHITECT/ENGINEER OF RECORD ANDERSON ENGINEERING Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (9) 763-412-4090 (f) www.ae-mn.com AE PROJECT NO.: 14541	Stamp 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title CONSTRUCTION DETAILS	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450
				Approved: Project Director	Location 2501 W 22nd St, Sioux Falls, SD, 57105	Issue Date 10/01/2018	Checked EMS

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1 DROPPED WATERMAIN DETAIL
SCALE: NOT TO SCALE



2 DOUBLE SWING BARRIER GATE
SCALE: NOT TO SCALE

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 - PROJECT INFORMATION
THE PROPOSED MENTAL HEALTH BUILDING IS LOCATED ON THE VA MEDICAL CENTER CAMPUS WITHIN SIOUX FALLS, SOUTH DAKOTA, 2501 WEST 22ND STREET, SIOUX FALLS, SOUTH DAKOTA. THE PROPOSED BUILDING IS LOCATED 20 FT SOUTH OF THE EXISTING CITY OF SIOUX FALLS' RIGHT OF WAY AND 150 FT EAST OF THE EXISTING BUILDING 16. THE PROPOSED BUILDING IS NOT LOCATED WITHIN INDIAN COUNTRY AND IS CONSIDERED A FEDERAL FACILITY.

1.2 - CONTACT INFORMATION/RESPONSIBLE PARTIES
THE CONTRACTOR AND COR ARE RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED.

ORGANIZATION	CONTACT NAME	PHONE

THIS SWPPP WAS PREPARED BY ANDERSON ENGINEERING OF MN, LLC, 13605 1ST AVENUE NORTH, SUITE 100, PLYMOUTH, MN 55441

1.3 - NATURE AND SEQUENCE OF CONSTRUCTION ACTIVITY
THE PROPOSED PROJECT CONSISTS OF THOSE ACTIVITIES REQUIRED FOR THE CONSTRUCTION OF A 15,910 SF MENTAL HEALTH BUILDING. ANTICIPATED CONSTRUCTION ACTIVITIES INCLUDE THE DEMOLITION OF THE EXISTING BUILDINGS 15 AND 18, THE REMOVAL OF AN EXISTING DRIVE (PAVEMENT AND CURB), THE REMOVAL OF SIDEWALK WITHIN THE CONSTRUCTION AREA, THE CLEARING AND GRUBBING OF EXISTING SITE VEGETATION, EARTHWORK OPERATIONS AS REQUIRED TO PREPARE SITE FOR NEW CONSTRUCTION AND FOR THE REMOVAL/INSTALLATION OF SITE UTILITIES, CONCRETE WORK FOR NEW BUILDING FOUNDATION AND FOR THE INSTALLATION OF A NEW CONCRETE DRIVE, THOSE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION OF THE NEW MENTAL HEALTH BUILDING, THE ASSEMBLY OF SIX NEW RETAINING WALLS, AND THOSE LANDSCAPE ACTIVITIES REQUIRED TO RESTORE/STABILIZE THE SITE.

1.4 - SOILS, SLOPES, VEGETATION, AND CURRENT DRAINAGE PATTERNS
SEE SHEET CS101 - TOPOGRAPHIC SURVEY AND SHEET CG101 - GRADING AND EROSION CONTROL PLAN FOR INFORMATION REGARDING THE EXISTING AND PROPOSED SLOPES, GRADES, AND DRAINAGE PATTERNS.

SOIL TYPES TYPICALLY FOUND ON THIS PROJECT ARE: 25.2% CROFTON-NORA COMPLEX, 9 TO 15 PERCENT SLOPES AND 74.7% NORA-CROFTON COMPLEX, 6-9 PERCENT SLOPES. SOIL CONDITIONS ARE BASED ON THOSE RESULTS REPORTED FOR THE USDA'S WEB SOIL SURVEY.

1.5 - CONSTRUCTION SITE ESTIMATES

TOTAL DISTURBED AREA	2.67 ACRES
TOTAL EXISTING IMPERVIOUS SURFACE AREA	0.57 ACRES
TOTAL PROPOSED IMPERVIOUS SURFACE AREA	1.14 ACRES
TOTAL PROPOSED NET CHANGE IN IMPERVIOUS SURFACE AREA	0.57 ACRES
RUNOFF COEFFICIENT BEFORE CONSTRUCTION (AVERAGE)	92.3
RUNOFF COEFFICIENT AFTER CONSTRUCTION (AVERAGE)	64.8

1.6 - RECEIVING WATERS
SITE STORMWATER WILL DISCHARGE INTO THE STORM SEWER NETWORK LOCATED WITHIN WEST 22ND STREET. ULTIMATE DISCHARGE IS ASSUMED TO BE TO THE BIG SIOUX RIVER.

WATERBODY	IMPAIEMENT(S)
BIG SIOUX RIVER	

SECTION 2: EROSION AND SEDIMENT CONTROL BMP'S

SEE SHEETS CG101 - GRADING AND EROSION CONTROL PLAN AND LS101 - LANDSCAPE SITE PLAN FOR EROSION CONTROL NOTES, BMP LOCATIONS, AND SITE RESTORATION.

2.1 - STABILIZATION TIMEFRAMES

- INLET STABILIZATION IMMEDIATELY WHEN CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE. COMPLETE STABILIZATION WITHIN THE TIME FRAME LISTED. IN MANY INSTANCES THIS WILL REQUIRE STABILIZATION TO OCCUR MORE THAN ONCE DURING THE COURSE OF THE PROJECT. TEMPORARY SOIL STOCKPILES WITHOUT SIGNIFICANT CLAY OR SILT AND STOCKPILED AND CONSTRUCTED ROAD BASE ARE EXEMPT FROM THE STABILIZATION REQUIREMENT.
- APPLICATION OF MULCH, HYDROMULCH, TACKIFIER AND POLYACRYLAMIDE ARE NOT ACCEPTABLE STABILIZATION METHODS IN THESE AREAS.
- STABILIZE ALL AREAS OF THE SITE PRIOR TO THE ONSET OF WINTER, ANY WORK STILL BEING PERFORMED WILL BE SNOW MULCHED, SEEDED, AND BLANKETED WITHIN THE TIME FRAMES IN THE NPDES PERMIT.
- KEEP DITCHES AND EXPOSED SOILS IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES, HYDROMULCHES AND BLANKETS.

SECTION 3: GOOD HOUSEKEEPING BMP'S AND GENERAL CONSTRUCTION NOTES

3.1 - SITE INSPECTION AND MAINTENANCE

INSPECT THE ENTIRE CONSTRUCTION SITE A MINIMUM OF ONCE EVERY SEVEN DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. INSPECT ALL TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT, EROSION PREVENTION AND SEDIMENT CONTROL BMP'S UNTIL THE SITE HAS UNDERGONE FINAL STABILIZATION AND THE NOT HAS BEEN SUBMITTED. INSPECT SURFACE WATER INCLUDING DRAINAGE DITCHES FOR SIGNS OF EROSION AND SEDIMENT DEPOSITION. INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS FOR EVIDENCE OF TRACKING ONTO PAVED SURFACES. INSPECT SURROUNDING PROPERTIES FOR EVIDENCE OF OFF SITE SEDIMENT ACCUMULATION. INSPECT INFILTRATION AREA FOR SIGNS OF SEDIMENT DEPOSITION AND COMPACTION (TO ENSURE THAT EQUIPMENT IS NOT BEING DRIVEN ACROSS THE AREA).

RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES IN WRITING WITHIN 24 HOURS. SUBMIT INSPECTION REPORTS IN A FORMAT THAT IS ACCEPTABLE TO THE PROJECT ENGINEER. INCLUDE THE FOLLOWING IN THE RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY:

- DATE AND TIME OF INSPECTIONS
- NAME OF PERSONS CONDUCTION INSPECTIONS
- FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS
- CORRECTIVE ACTION TAKEN, INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES
- DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCH IN 24 HOURS
- DOCUMENTS AND CHANGES MADE TO THE SWPPP

REPLACE, REPAIR OR SUPPLEMENT ALL NONFUNCTIONAL BMP'S BY THE END OF THE NEXT BUSINESS DAY FOLLOWING DISCOVERY UNLESS LISTED DIFFERENTLY BELOW:

- REPAIR, REPLACE, OR SUPPLEMENT PERIMETER CONTROL DEVICES WHEN IT BECOMES NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT OF THE DEVICE. COMPLETE REPAIRS BY THE END OF THE NEXT BUSINESS DAY FOLLOWING DISCOVERY.
- REPAIR OR REPLACE INLET PROTECTION DEVICES WHEN THEY BECOME NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT AND/OR DEPTH OF THE DEVICE.
- DRAIN AND REMOVE SEDIMENT FROM TEMPORARY AND PERMANENT SEDIMENT BASINS ONCE THE SEDIMENT HAS REACHED 1/2 THE STORAGE VOLUME. COMPLETE WORK WITHIN 72 HOURS OF DISCOVERY.
- REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATER INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS. RESTABILIZED ANY AREA THAT ARE DISTURBED BY SEDIMENT REMOVAL OPERATION. SEDIMENT REMOVAL AND STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS OF DISCOVERY. PREPARE AND SUBMIT A SITE MANAGEMENT PLAN FOR WORKING IN SURFACE WATERS.
- REMOVE TRACKED SEDIMENT FROM PAVED SURFACES BOTH ON AND OFF SITE WITHIN 24 HOURS OF DISCOVERY. STREET SWEEPING MAY HAVE TO OCCUR MORE OFTEN TO MINIMIZE OFF SITE IMPACTS. LIGHTLY WET THE PAVEMENT PRIOR TO SWEEPING
- MAINTAIN ALL BMP'S UNTIL WORK HAS BEEN COMPLETED, SITE HAS GONE UNDER FINAL STABILIZATION, AND THE NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED.

3.2 - GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITY

- AMEND THE SWPPP AND DOCUMENT ANY AND ALL CHANGES TO THE SWPPP AND ASSOCIATED PLAN SHEETS IN A TIMELY MANNER. STORE THE SWPPP AND ALL AMENDMENTS ON SITE AT ALL TIMES.
- IT IS THE DESIGNER'S INTENT THAT THE CONTRACTOR BUILD PONDS AND INSTALL EROSION CONTROL BMP'S BEFORE PUTTING THEM INTO ACTIVE SERVICE TO THE MAXIMUM EXTENT PRACTICABLE.
- BURNING OF ANY MATERIAL IS NOT ALLOWED WITHIN PROJECT BOUNDARY.
- DO NOT DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS. DELINEATE AREAS NOT TO BE DISTURBED PRIOR TO STARTING GROUND DISTURBING ACTIVITIES. IF IT BECOMES NECESSARY TO DISTURBED AREAS OUTSIDE OF THE CONSTRUCTION LIMITS OBTAIN WRITTEN PERMISSION FROM THE PROJECT ENGINEER PRIOR TO PROCEEDING. PRESERVE ALL NATURAL BUFFERS SHOWN ON THE PLANS.
- ROUT STORMWATER AROUND UNSTABILIZED AREAS OF THE SITE WHENEVER FEASIBLE. PROVIDE EROSION CONTROL AND VELOCITY DISSIPATION DEVICES AS NEEDED TO KEEP CHANNELS FROM ERODING AND TO PREVENT NUISANCE CONDITIONS AT THE OUTLET.
- DIRECT DISCHARGES FROM BMP'S TO VEGETATED AREA WHENEVER FEASIBLE. PROVIDE VELOCITY DISSIPATION DEVICES AS NEEDED TO PREVENT EROSION.
- THE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S SHALL BE PLACED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND TO CAPTURE SEDIMENT ON SITE. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY REMOVAL WORK AND/OR GROUND DISTURBING ACTIVITIES COMMENCE.
- LOCATE PERIMETER CONTROL ON THE CONTOUR TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS DOWN GRADIENT OF ALL EXPOSED SOILS AND PRIOR TO DISCHARGING TO SURFACE WATERS. PLACE J-HOOKS AT A MAXIMUM OF 100 FOOT INTERVALS.
- PROVIDE PERIMETER CONTROL AROUND ALL STOCKPILES. PLACE BMP A MINIMUM 5 FEET FROM THE TOE OF SLOPE WHERE FEASIBLE. DO NOT PLACE STOCKPILES IN NATURAL BUFFER AREAS, SURFACE WATERS OR STORMWATER CONVEYANCES.

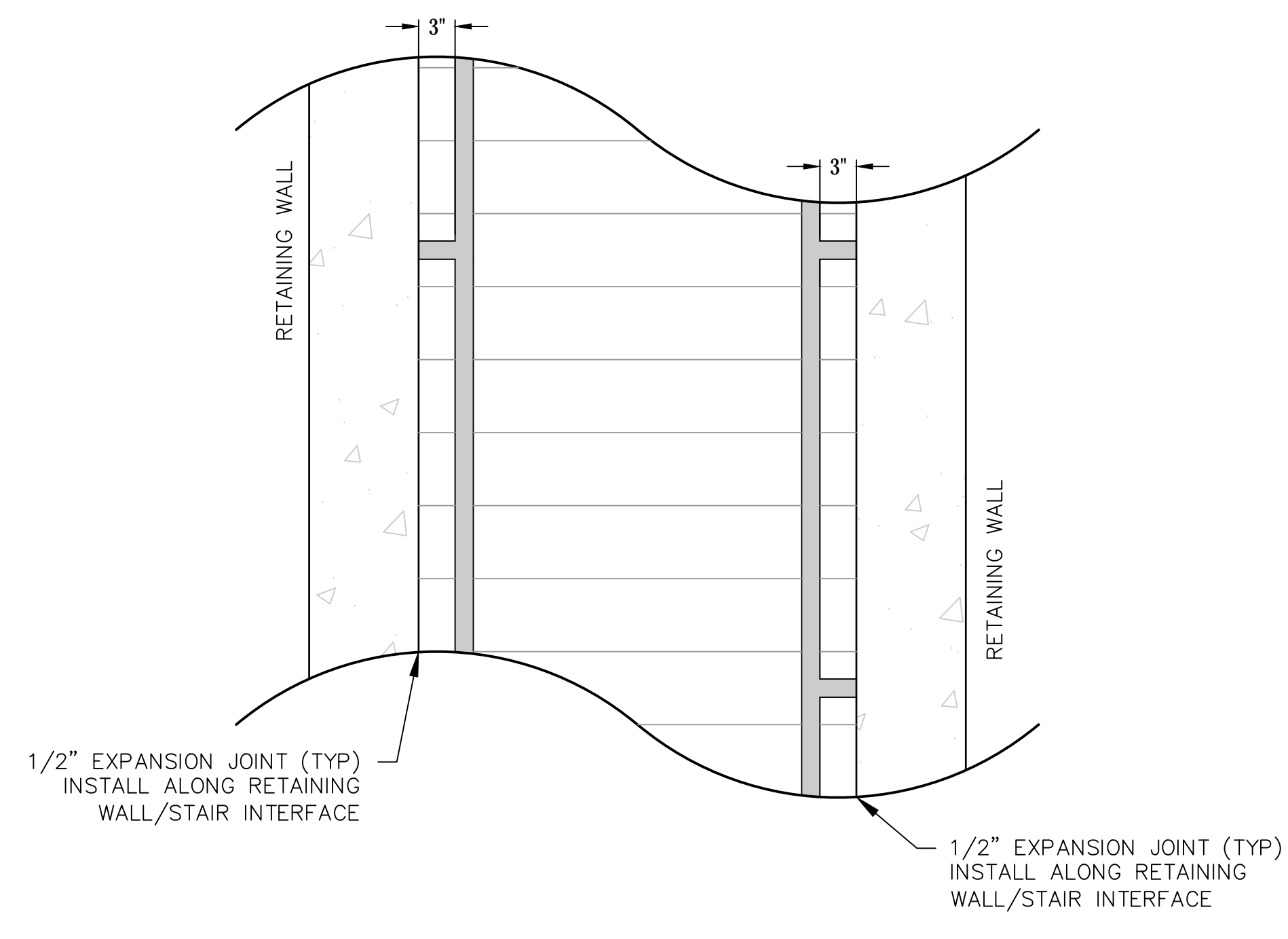
3.3 - POLLUTION PREVENTION

- PROVIDE A SPILL KIT AT EACH WORK LOCATION ON THE SITE.
- STORE ALL BUILDING MATERIALS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS, PESTICIDES, HERBICIDES, INSECTICIDES, FERTILIZERS, TREATMENT CHEMICALS, AND LANDSCAPE MATERIALS UNDER COVER WITH SECONDARY CONTAINMENT.
- PROVIDE A SECURE STORAGE AREA WITH RESTRICTED ACCESS FOR ALL HAZARDOUS MATERIALS AND TOXIC WASTE. RETURN ALL HAZARDOUS MATERIALS AND TOXIC WASTE TO THE DESIGNATED STORAGE AREA AT THE END OF THE BUSINESS DAY UNLESS INFEASIBLE. STORE ALL HAZARDOUS MATERIALS AND TOXIC WASTE (INCLUDING BUT NOT LIMITED TO OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT, PETROLEUM BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) IN SEALED CONTAINERS WITH SECONDARY CONTAINMENT. CLEAN UP SPILLS IMMEDIATELY.
- STORE, COLLECT AND DISPOSE OF ALL SOLID WASTE.
- POSITION ALL PORTABLE TOILETS SO THAT THEY ARE SECURE AND CANNOT BE TIPPED OR KNOCKED OVER. PROPERLY DISPOSE OF ALL SANITARY WASTE.
- FUEL AND MAINTAIN VEHICLES IN A DESIGNATED CONTAINED AREA WHENEVER FEASIBLE. USE DRIP PANS OR ABSORBENT MATERIALS TO PREVENT SPILLS OR LEAKED CHEMICALS FROM DISCHARGING TO SURFACE WATER OR STORMWATER CONVEYANCES. PROVIDE A SPILL KIT AT EACH LOCATION THAT VEHICLES AND EQUIPMENT ARE FUELED OR MAINTAINED AT.
- LIMIT VEHICLE AND EQUIPMENT WASHING TO A DEFINED AREA OF THE SITE. CONTAIN RUNOFF FROM THE WASHING AREA TO A TEMPORARY SEDIMENT BASIN OR OTHER EFFECTIVE CONTROL. PROPERLY DISPOSE OF ALL WASTE GENERATED BY VEHICLE AND EQUIPMENT WASHING. ENGINE DEGREASING IS NOT ALLOWED ON THE SITE.
- PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS. LIQUID AND SOLID WASHOUT WASTES MUST NOT CONTACT THE GROUND. DESIGN THE CONTAINMENT SO THAT IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR CONTAINMENT AREA.
- CREATE AND FOLLOW A WRITTEN DISPOSAL PLAN FOR ALL WASTE MATERIALS. INCLUDE IN THE PLAN HOW THE MATERIAL WILL BE DISPOSED OF AND THE LOCATION OF THE DISPOSAL SITE. SUBMIT PLAN TO THE ENGINEER.
- USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT DISCHARGE OR PLACEMENT OF BITUMINOUS GRINDINGS, CUTTING, MILLINGS, AND OTHER BITUMINOUS WASTES FROM AREAS OF EXISTING OR FUTURE VEGETATED SOILS AND FROM ALL WATER CONVEYANCE SYSTEMS, INCLUDING INLETS, DITCHES AND CURB FLOW LINES.

NOT FOR CONSTRUCTION

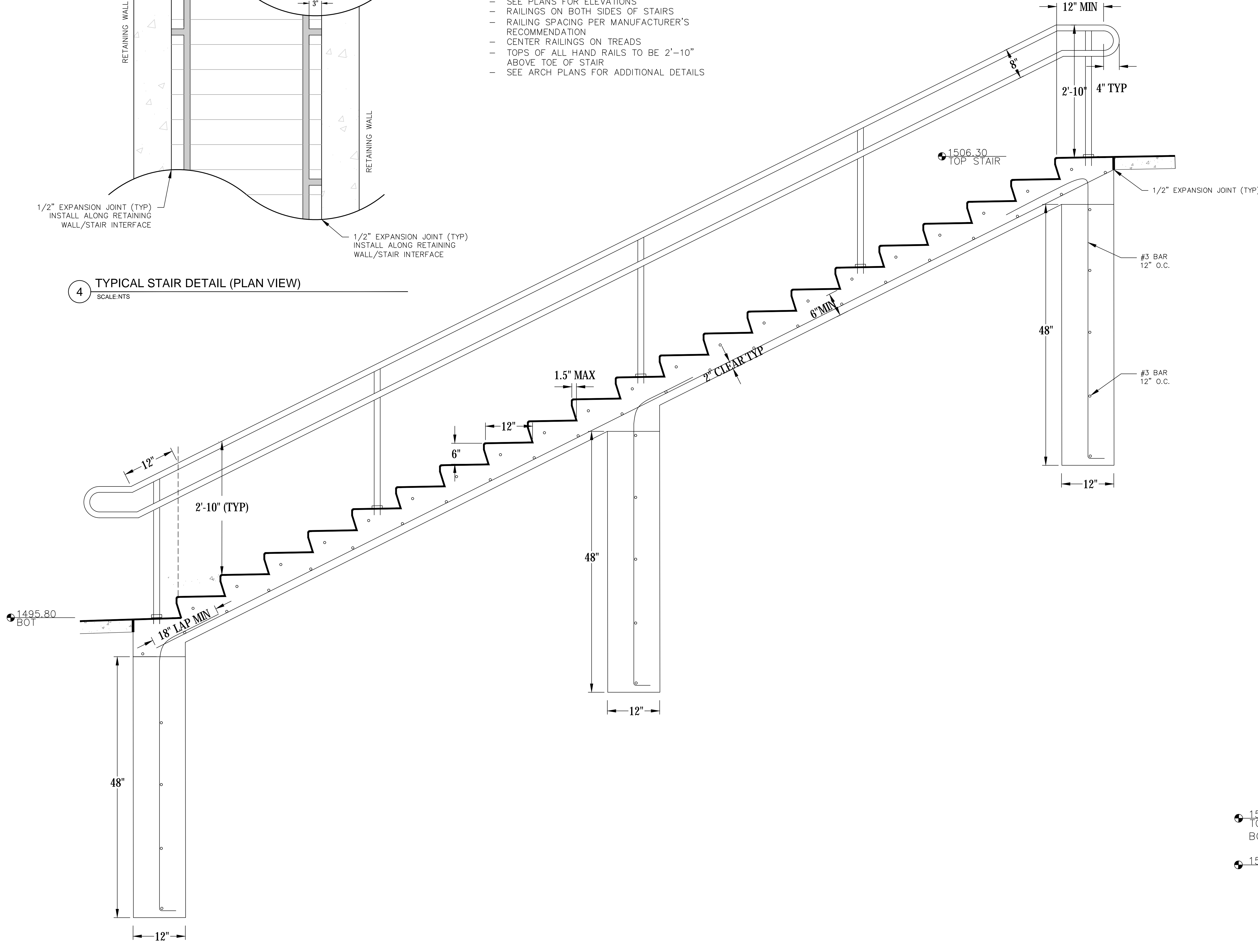
CONSULTANT 730 Second Avenue South, Suite 1100 Minneapolis, MN 55402-2455 Tel 612-338-8741 Fax 612-338-4840	ARCHITECT/ENGINEER OF RECORD Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (o) 763-412-4090 (f) www.ae-mn.com AE PROJECT NO.: 14541	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title CONSTRUCTION DETAILS	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450 Building Number
			Approved: Project Director	Location 2501 W 22nd St, Sioux Falls, SD, 57105	Issue Date 10/01/2018	Checked EMS

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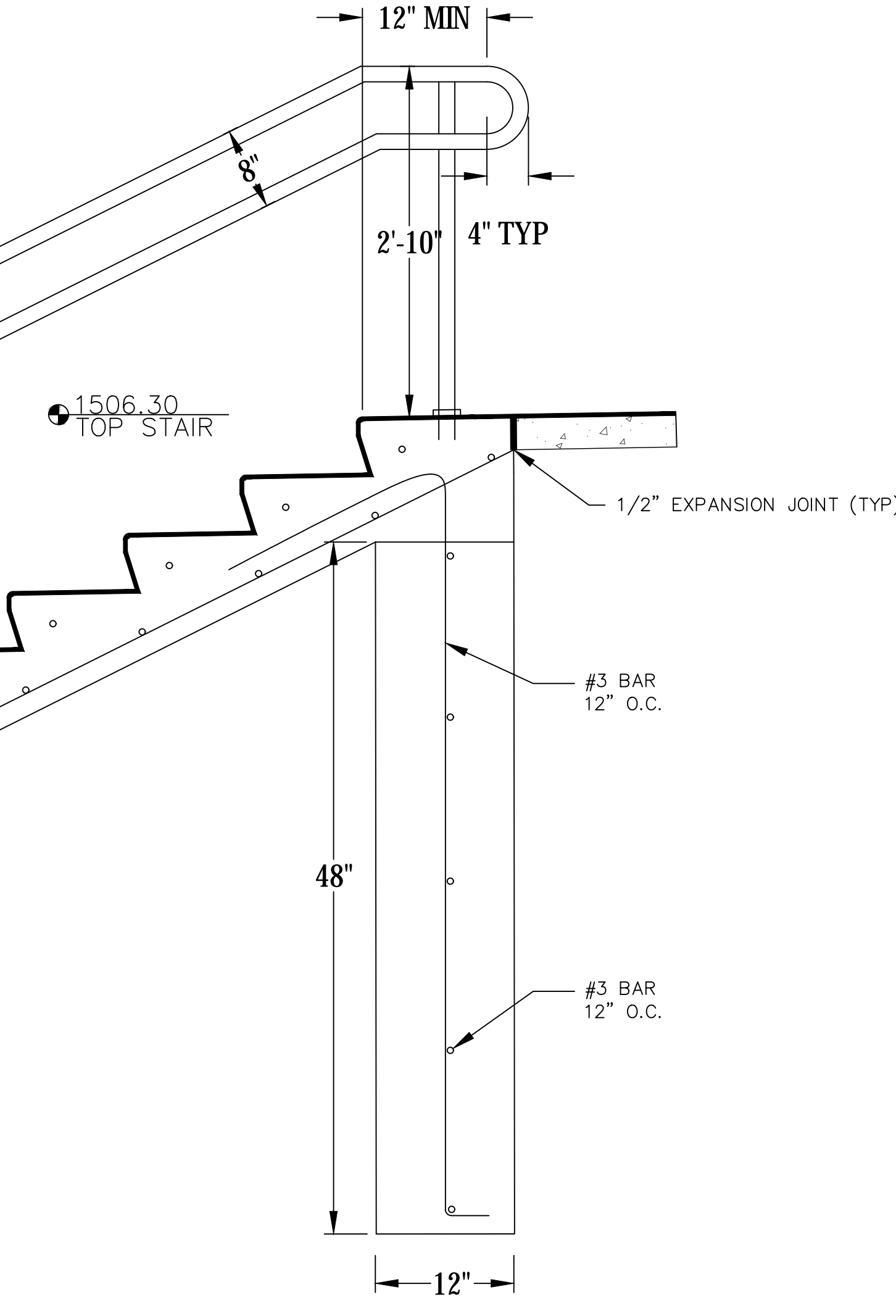


4 TYPICAL STAIR DETAIL (PLAN VIEW)
SCALE: NTS

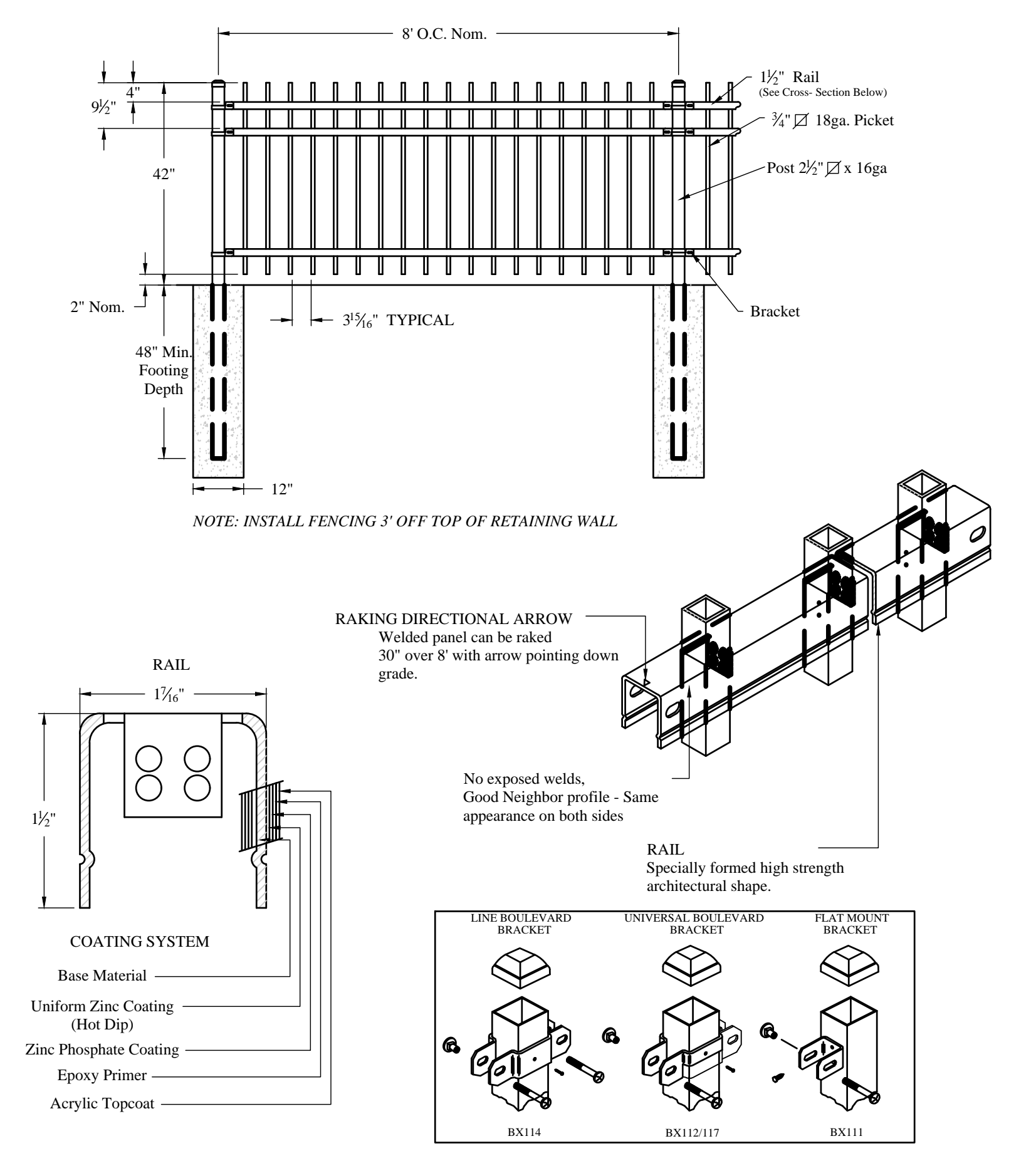
- NOTE**
- SEE PLANS FOR ELEVATIONS
 - RAILINGS ON BOTH SIDES OF STAIRS
 - RAILING SPACING PER MANUFACTURER'S RECOMMENDATION
 - CENTER RAILINGS ON TREADS
 - TOPS OF ALL HAND RAILS TO BE 2'-10" ABOVE TOE OF STAIR
 - SEE ARCH PLANS FOR ADDITIONAL DETAILS



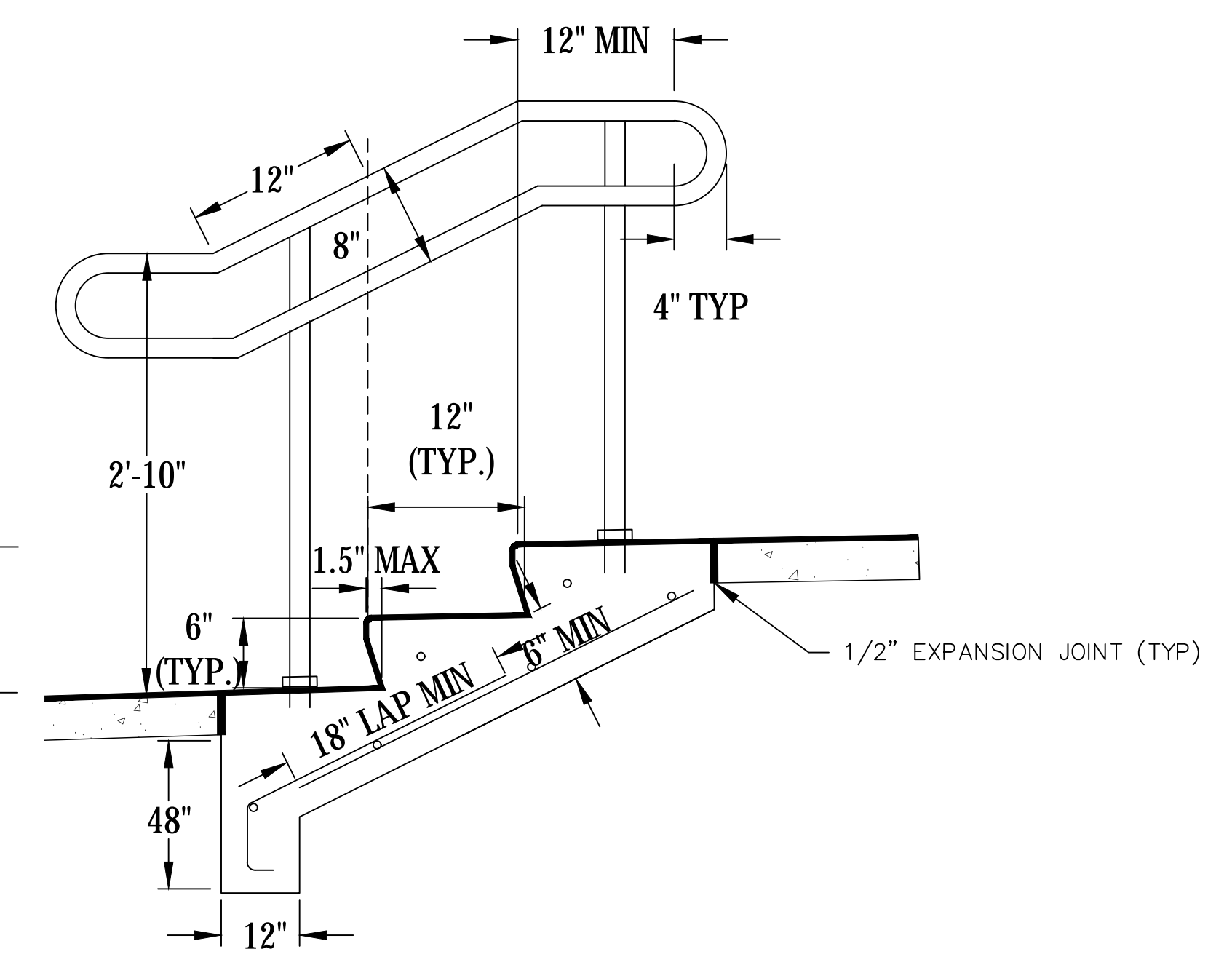
1 EASTERN STAIR DETAIL
SCALE: NTS



2 SOUTHWESTERN SIDEWALK STAIR DETAIL
SCALE: NTS



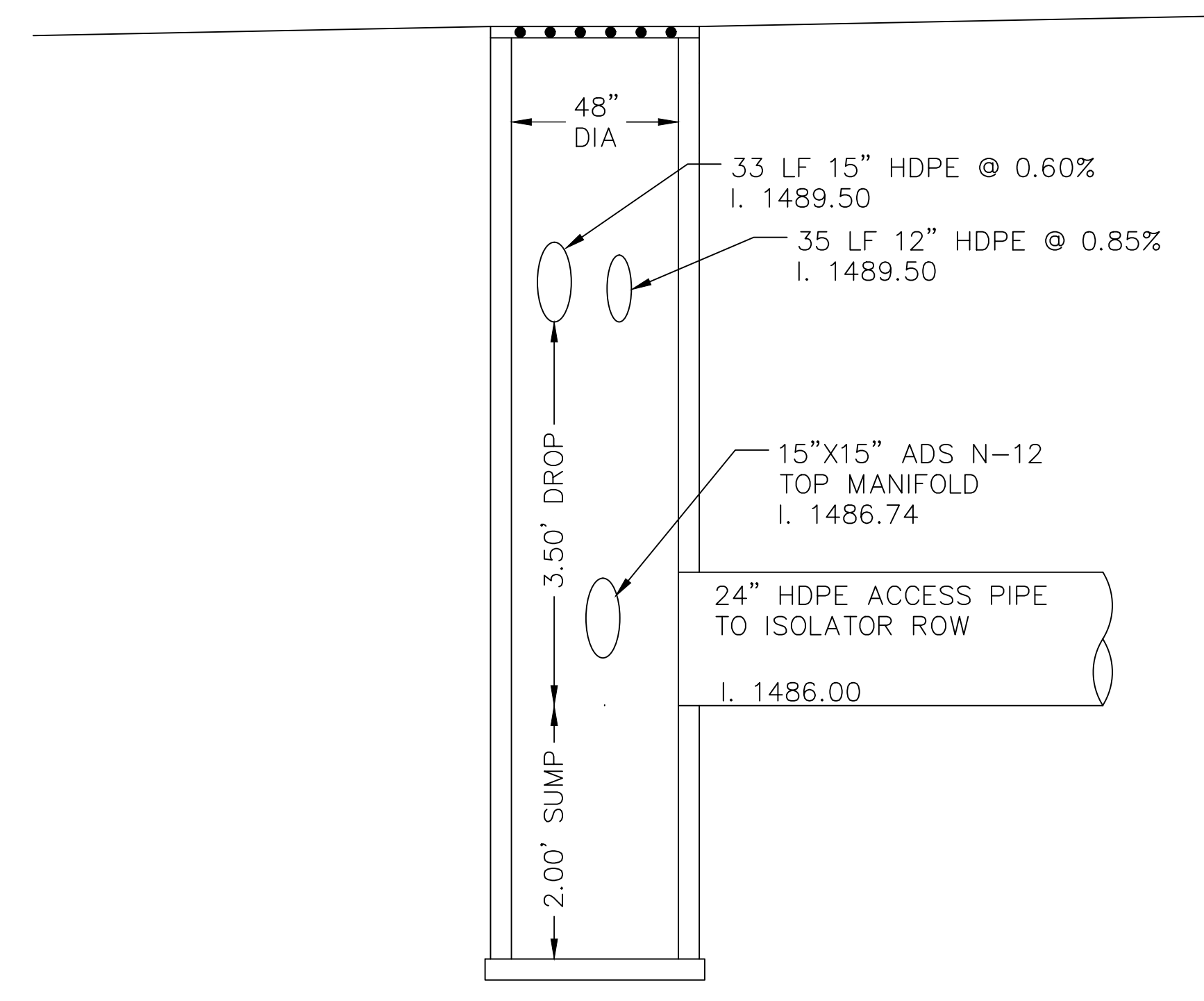
3 RETAINING WALL FENCING
SCALE: NTS



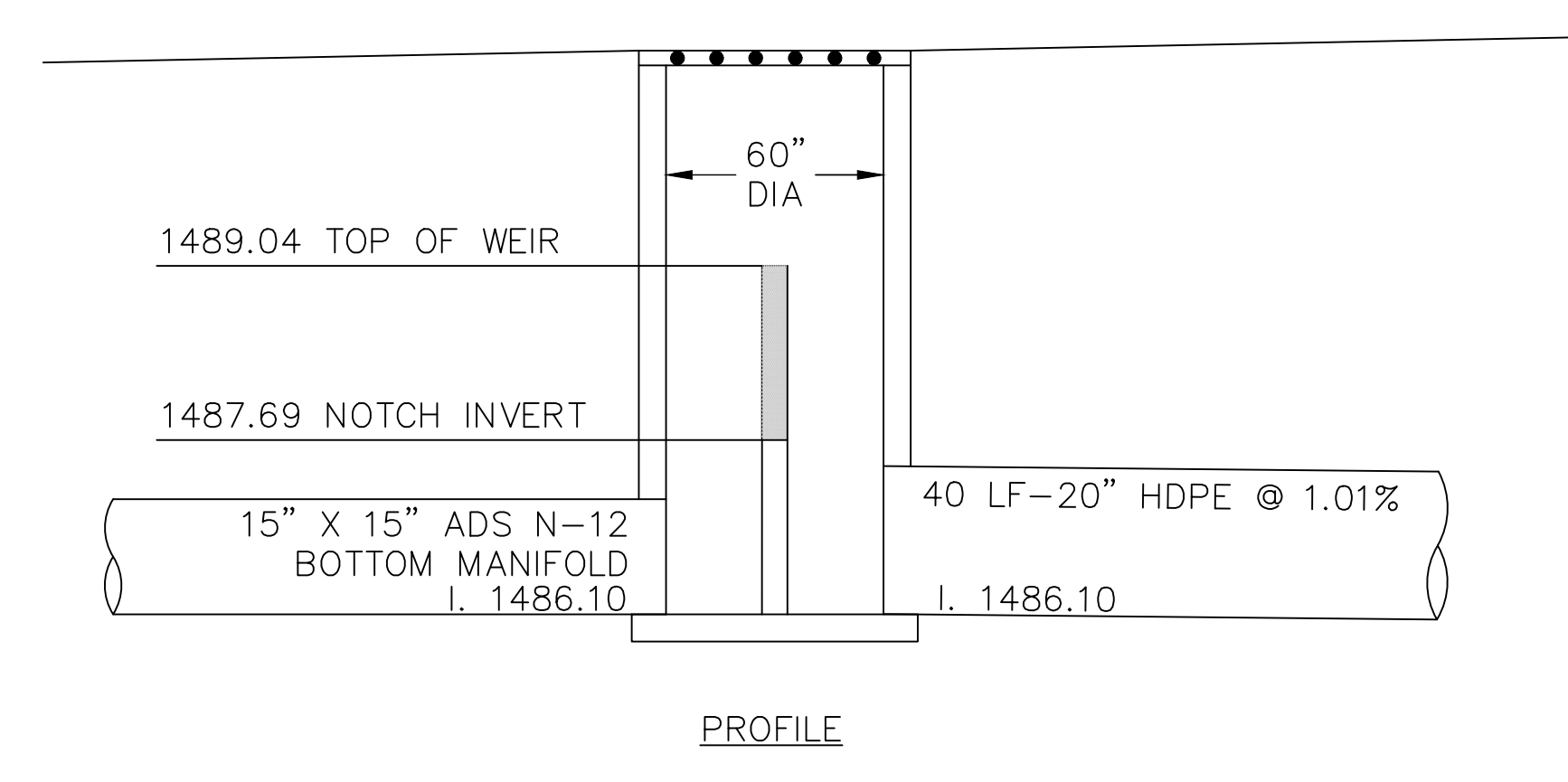
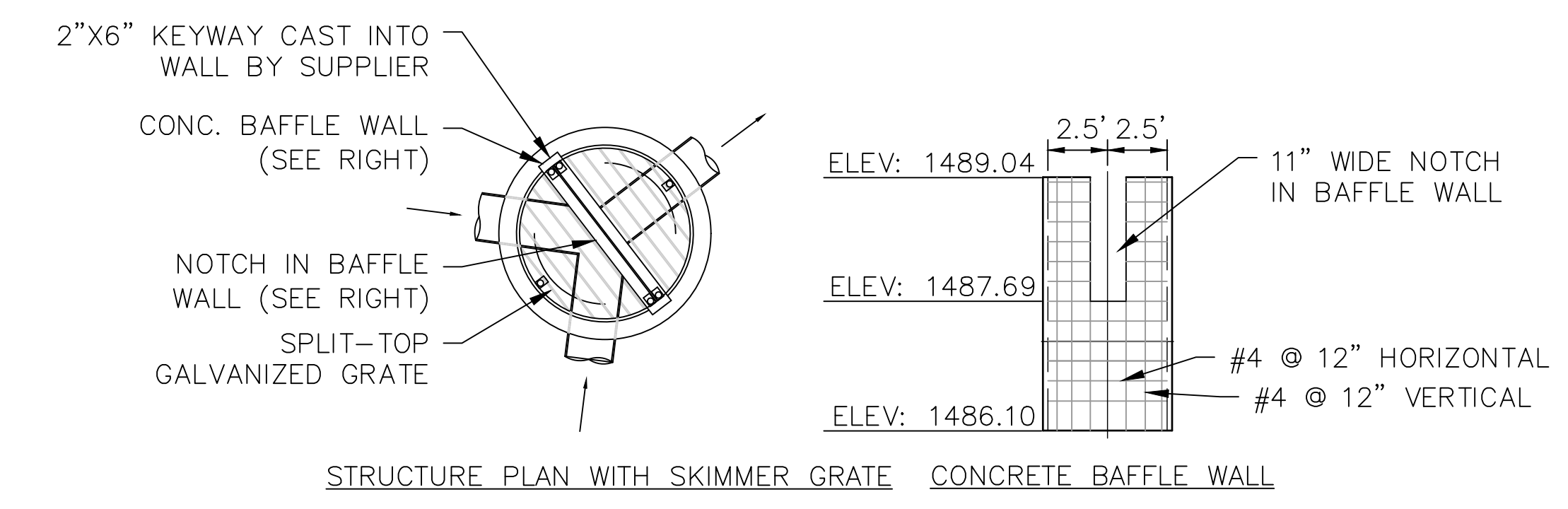
2 SOUTHWESTERN SIDEWALK STAIR DETAIL
SCALE: NTS

NOT FOR CONSTRUCTION

CONSULTANT LEO A DALY 730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel 612-338-8741 Fax 612-338-4840		ARCHITECT/ENGINEER OF RECORD ANDERSON ENGINEERING Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (H) 763-412-4090 (F) www.ae-int.com AE PROJECT NO.: 14541		Stamp 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title CONSTRUCTION DETAILS Approved: Project Director	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450 Building Number	Location 2501 W 22nd St, Sioux Falls, SD, 57105	Drawing Number CJ105
Revisions	Date	Issue Date 10/01/2018		Checked EMS	Drawn IJW	Issue Date 10/01/2018		Checked EMS		Drawing Number CJ105	
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1 STORMWATER CHAMBER INLET STRUCTURE (STMH 4) (A-A)
SCALE: NOT TO SCALE



2 STORMWATER CHAMBER OUTLET STRUCTURE (CBMH 3) (B-B)
SCALE: NOT TO SCALE

100% CD LAYOUT

54	STORMTECH SC-740 CHAMBERS
12	STORMTECH SC-740 END CAPS
12	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
4,691.60	INSTALLED SYSTEM VOLUME (CF)
1,996	SYSTEM AREA (ft ²)
193	SYSTEM PERIMETER (ft)

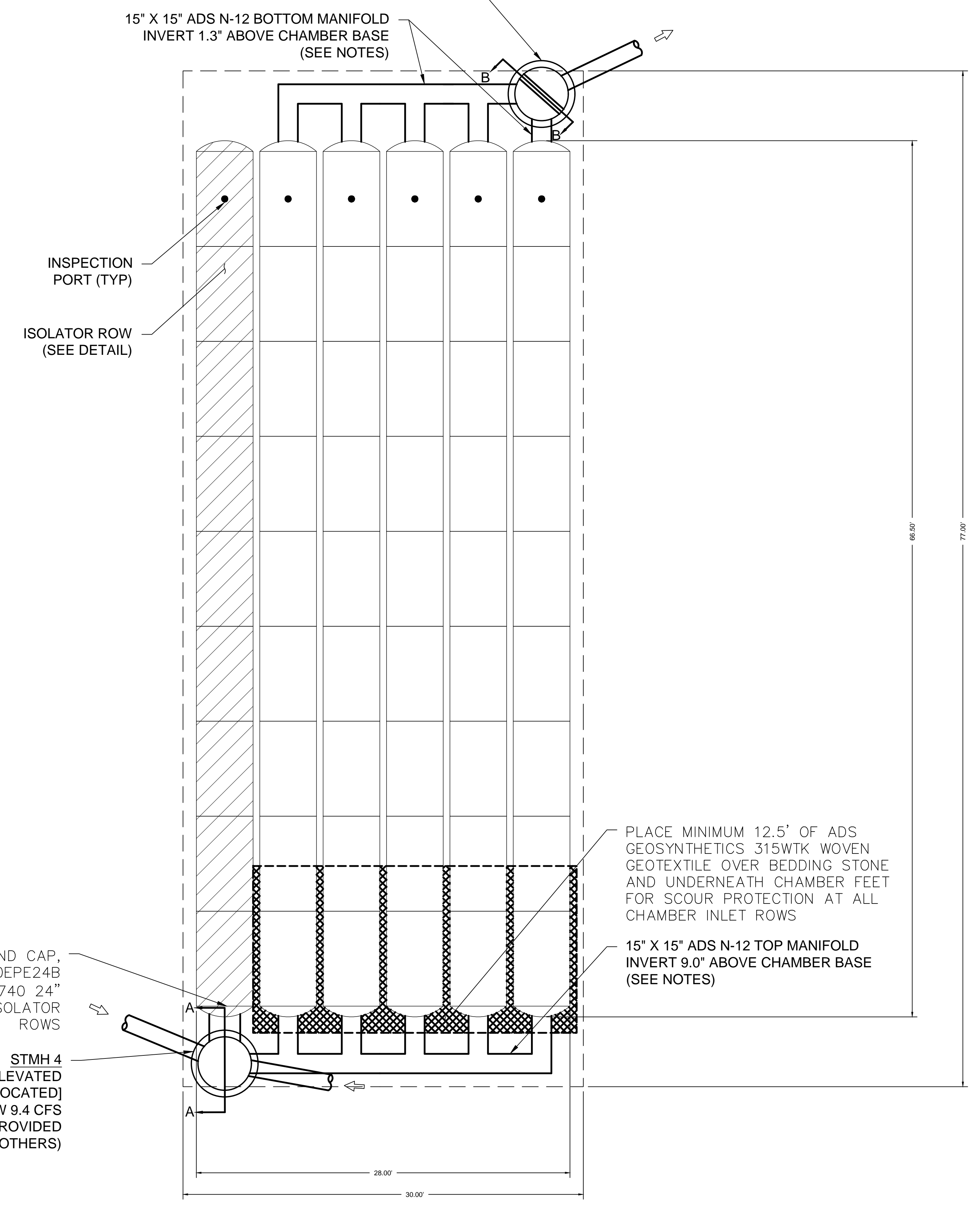
100% CD LAYOUT

MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	1496.49
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	1490.49
MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	1489.99
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	1489.99
MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT):	1489.99
TOP OF STONE:	1489.49
TOP OF SC-740 CHAMBER:	1488.49
15" TOP MANIFOLD INVERT:	1486.74
15" BOTTOM MANIFOLD INVERT:	1486.10
24" ISOLATOR ROW INVERT:	1486.00
BOTTOM OF SC-740 CHAMBER:	1485.99
BOTTOM OF STONE:	1485.49

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH SHEET #7 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

OUTLET CONTROL STRUCTURE PER PLAN [RELOCATED]
MAXIMUM OUTLET FLOW 5.4 CFS
(DESIGN BY ENGINEER / PROVIDED BY OTHERS)



24" PREFABRICATED END CAP,
PART# SC740EPE24B
TYP OF ALL SC-740 24"
CONNECTIONS AND ISOLATOR
ROWS

STMH 4
STRUCTURE PER PLAN W/ELEVATED
BYPASS MANIFOLD [RELOCATED]
MAXIMUM INLET FLOW 9.4 CFS
(DESIGN BY ENGINEER / PROVIDED
BY OTHERS)

NOT FOR CONSTRUCTION

10/8/2018 10:08 AM Y:\14500\14541 via sioux falls mental health building\dwg\C39\Civil\Sheets\14541_C_DETAILS.dwg

Revisions	Date

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AE PROJECT NO.: 14541

Stamp

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

UNDERGROUND STORMWATER CHAMBER DETAILS

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

Checked
EMS

Drawn
IJW

Project Number
VA #438-450

Building Number

Drawing Number
CJ106

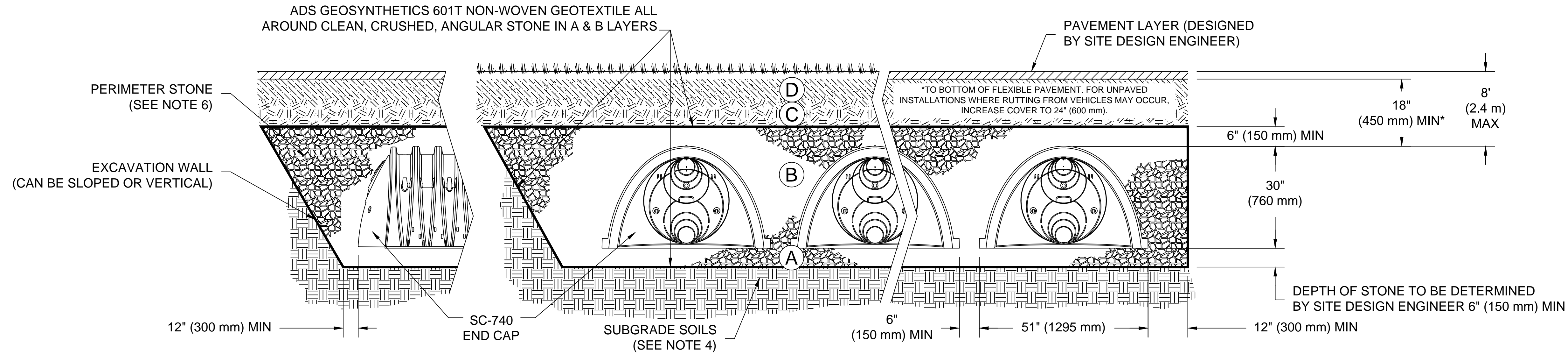
Dwg. 16 of 102

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2 3}

PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.



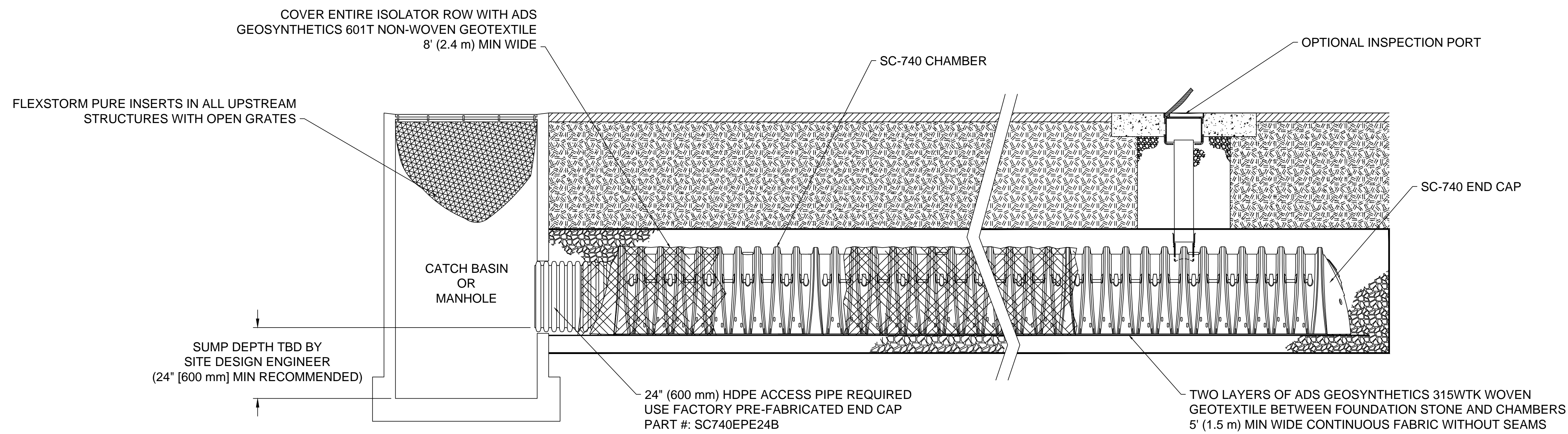
NOTES:

1. SC-740 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
5. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
6. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

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	CONSULTANT 730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel: 612-338-8741 Fax: 612-338-4840	ARCHITECT/ENGINEER OF RECORD Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (9) 763-412-4090 (f) www.ae-mn.com AE PROJECT NO.: 14541	Stamp 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title UNDERGROUND STORMWATER CHAMBER DETAILS Approved: Project Director	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450 Building Number Drawing Number CJ107 Dwg. 17 of 102				
Revisions <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 80%;">Revisions</th> <th style="width: 20%;">Date</th> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Revisions	Date										
Revisions	Date											

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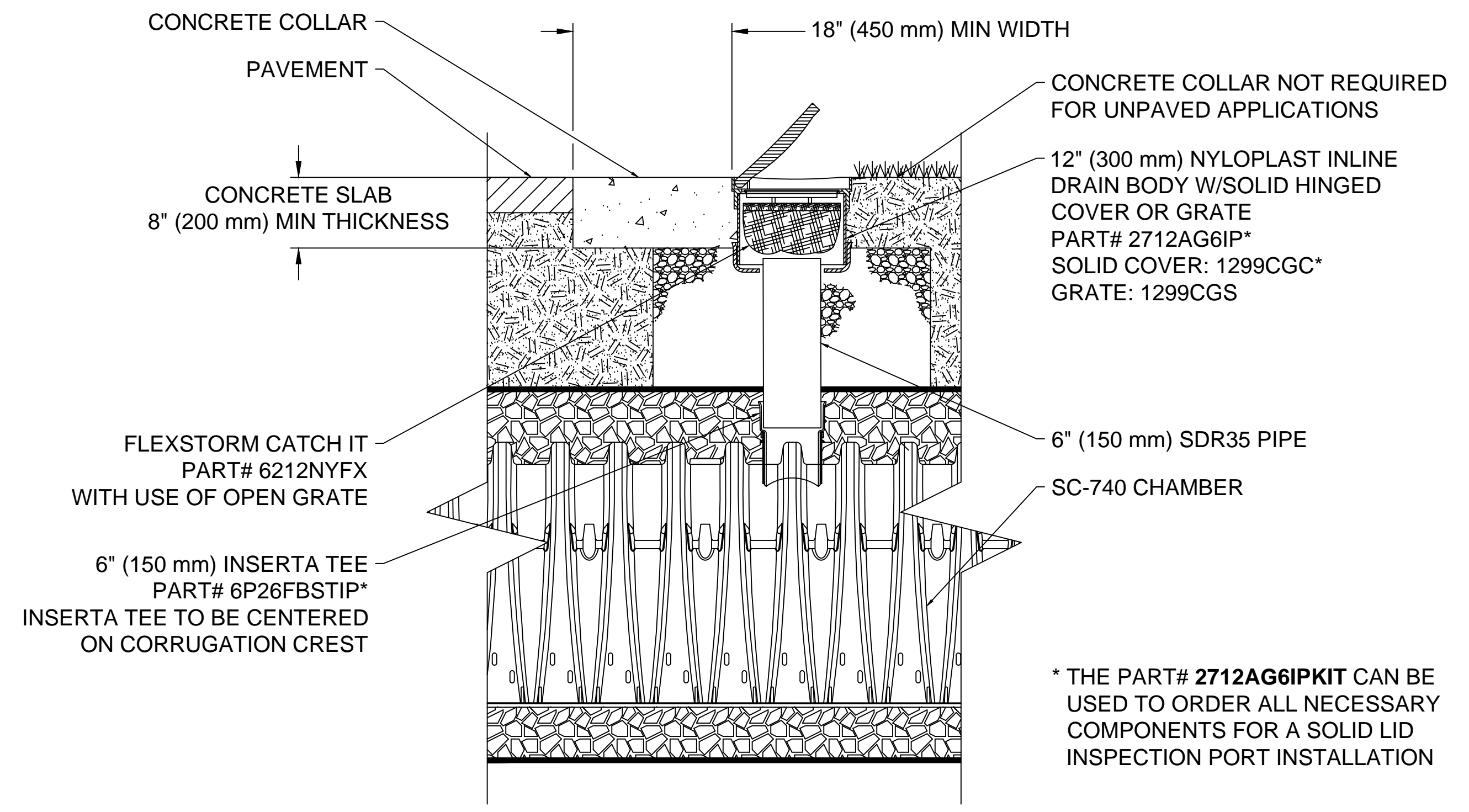
SC-740 ISOLATOR ROW DETAIL
NTS

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
 - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
 - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - B. ALL ISOLATOR ROWS
 - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
 - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - C. VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SC-740 6" INSPECTION PORT DETAIL
NTS

NOT FOR CONSTRUCTION

10/8/2018 10:08 AM Y:\14500\14541 via sioux falls mental health building\dwg\C39\Civil\Sheets\14541_C_DETAILS.dwg

Revisions	Date

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AE PROJECT NO.: 14541

Stamp

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

UNDERGROUND STORMWATER CHAMBER DETAILS

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
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Checked
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Drawn
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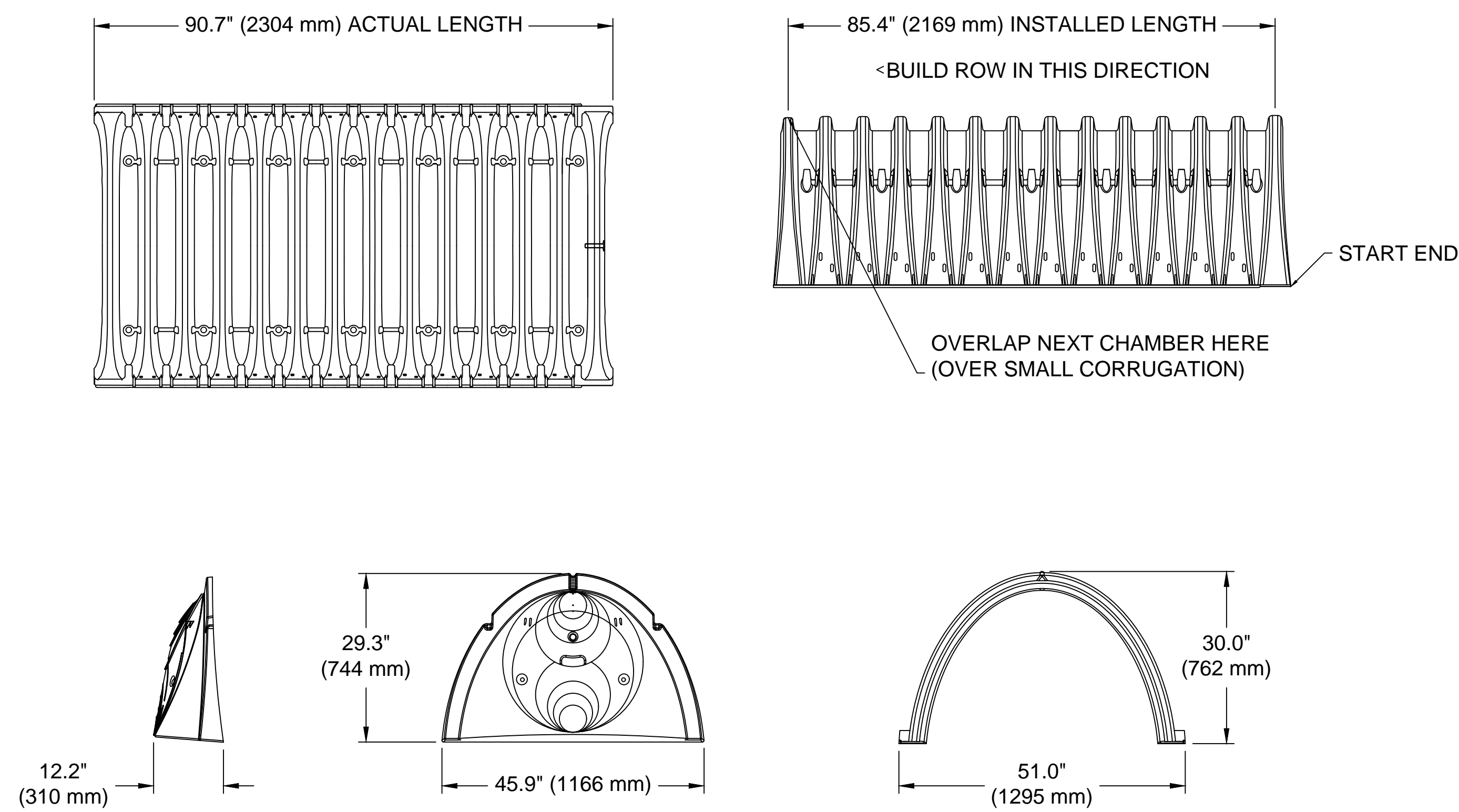
Building Number

Drawing Number
CJ108

Dwg. 18 of 102

SC-740 TECHNICAL SPECIFICATION

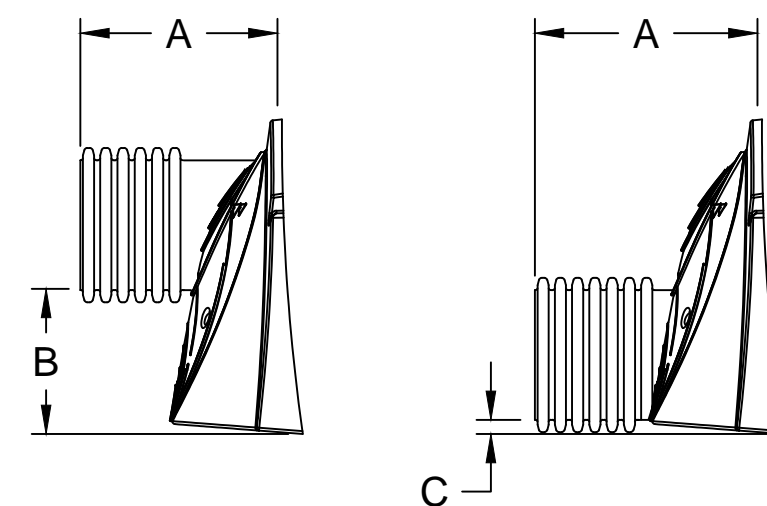
NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m ³)
MINIMUM INSTALLED STORAGE*	74.9 CUBIC FEET	(2.12 m ³)
WEIGHT	75.0 lbs.	(33.6 kg)

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS



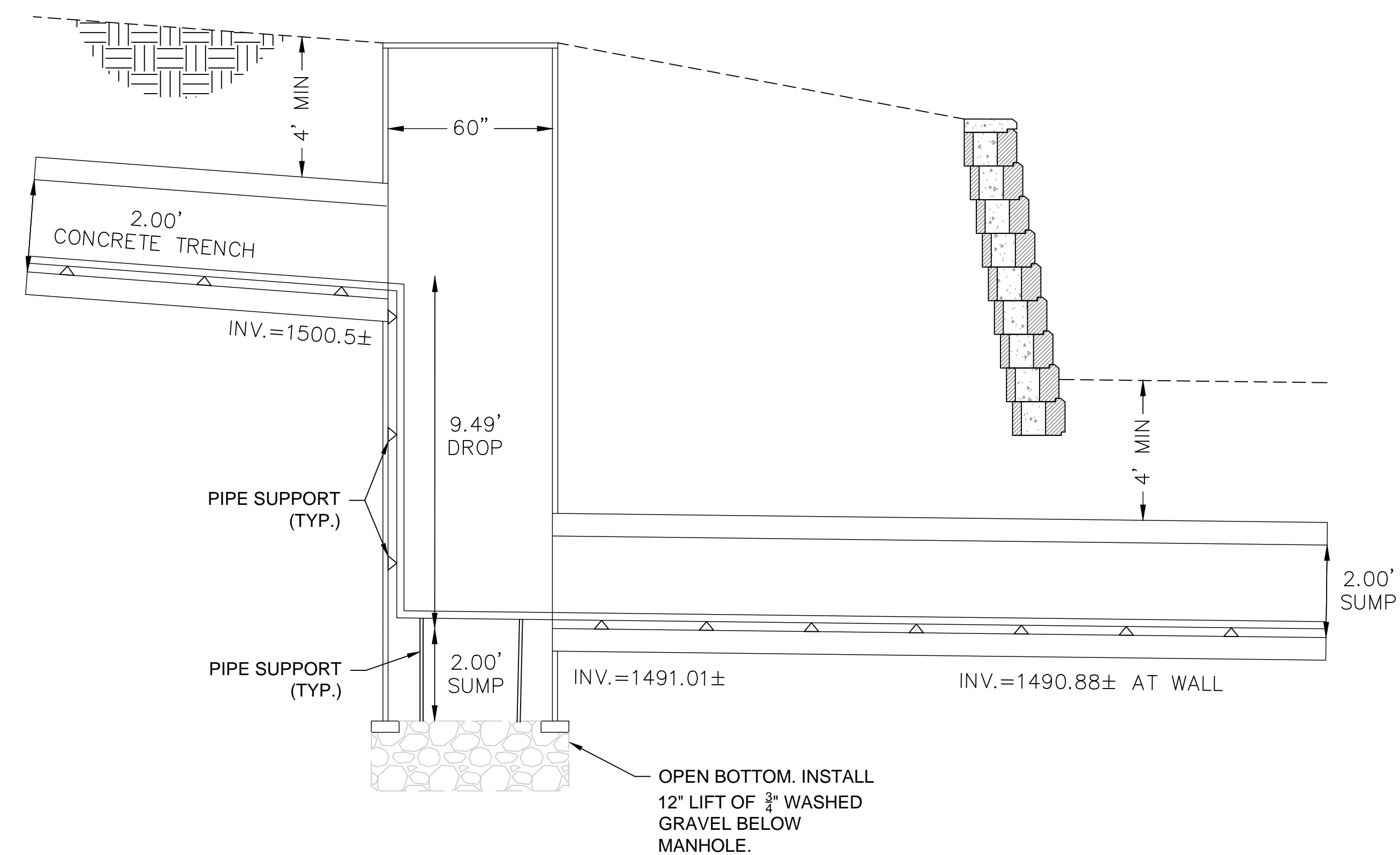
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
 PRE-CORED END CAPS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE06T / SC740EPE06TPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE06B / SC740EPE06BPC	---	---	---	0.5" (13 mm)
SC740EPE08T / SC740EPE08TPC	8" (200 mm)	12.2" (310 mm)	16.5" (419 mm)	---
SC740EPE08B / SC740EPE08BPC	---	---	---	0.6" (15 mm)
SC740EPE10T / SC740EPE10TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	---
SC740EPE10B / SC740EPE10BPC	---	---	---	0.7" (18 mm)
SC740EPE12T / SC740EPE12TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE12B / SC740EPE12BPC	---	---	---	1.2" (30 mm)
SC740EPE15T / SC740EPE15TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE15B / SC740EPE15BPC	---	---	---	1.3" (33 mm)
SC740EPE18T / SC740EPE18TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE18B / SC740EPE18BPC	---	---	---	1.6" (41 mm)
SC740EPE24B*	24" (600 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

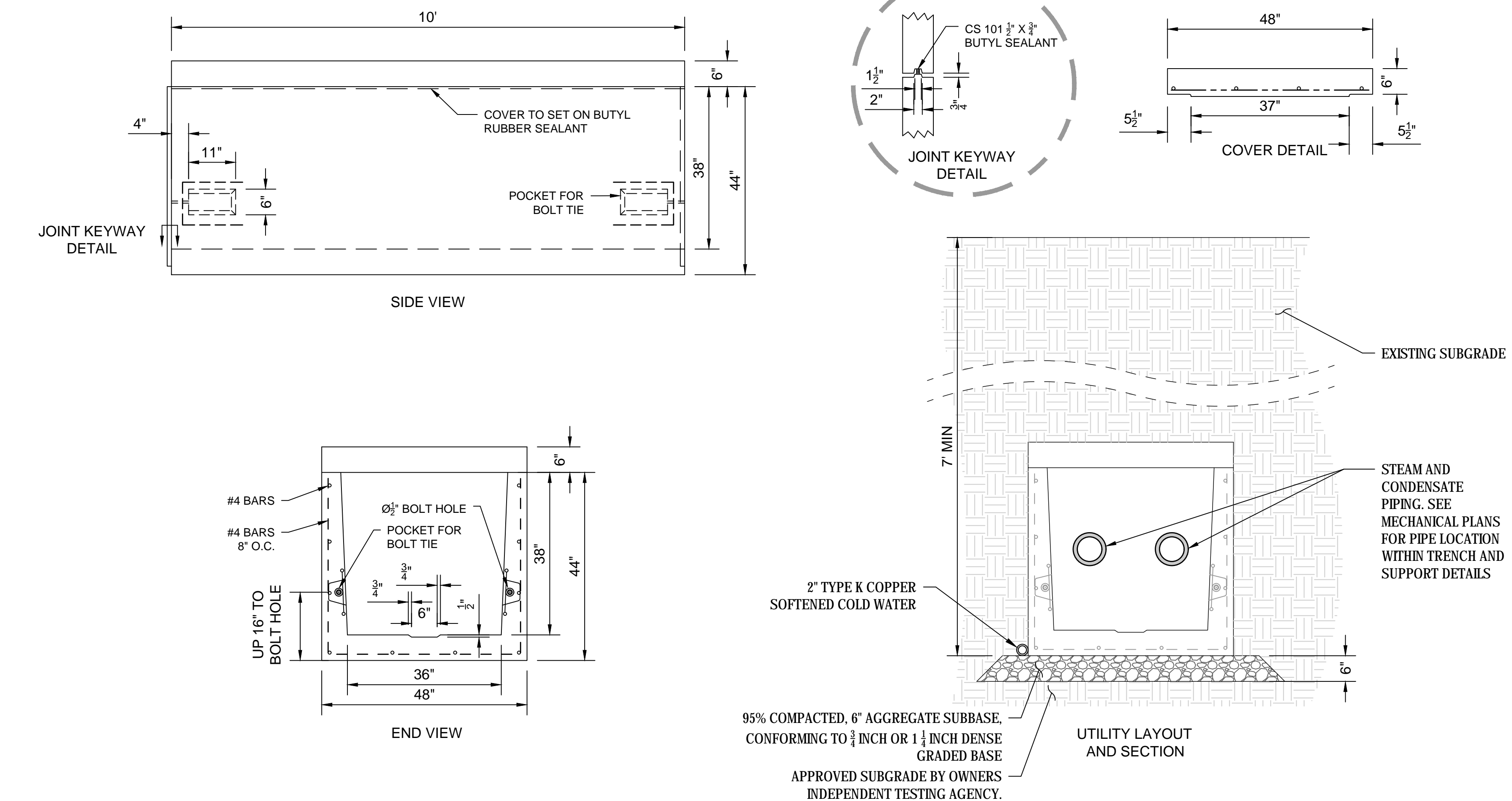
NOTE: ALL DIMENSIONS ARE NOMINAL



- NOTE
- SEE MECHANICAL FOR PIPE SUPPORT DETAILS.
 - SEE MECHANICAL FOR PIPE FITTING DETAILS.
 - DRAWING IS PROVIDED FOR SCHEMATIC PURPOSES ONLY. VERIFY ROUTING PIPE LOCATION AND REQUIRED PIPE SUPPORTS WITH MECHANICAL.
 - CONCRETE TRENCH CONTAINS 2 1/2" HPS, 1 1/2" HCR, AND 2" SOFT WATER SERVICE.

1 STEAM TRENCH MANHOLE

SCALE: NTS



2 36" X 38" CONCRETE STEAM TRENCH

SCALE: NTS

NOT FOR CONSTRUCTION

Y:\14500\14541 via sioux falls mental health building\dwg-C30\Civil\Sheets\14541_C_DETAILS.dwg 10/8/2018 10:08 AM

Revisions	Date

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AE PROJECT NO.: 14541

Stamp

REGISTERED PROFESSIONAL ENGINEER
 REG. NO. 9122
 ROGER A. ANDERSON
 CIVIL ENGINEER
 STATE OF MINNESOTA
 OCT 12 2016

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title

UNDERGROUND STORMWATER CHAMBER DETAILS

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location

2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date

10/01/2018

Checked

EMS

Drawn

IJW

Project Number

VA #438-450

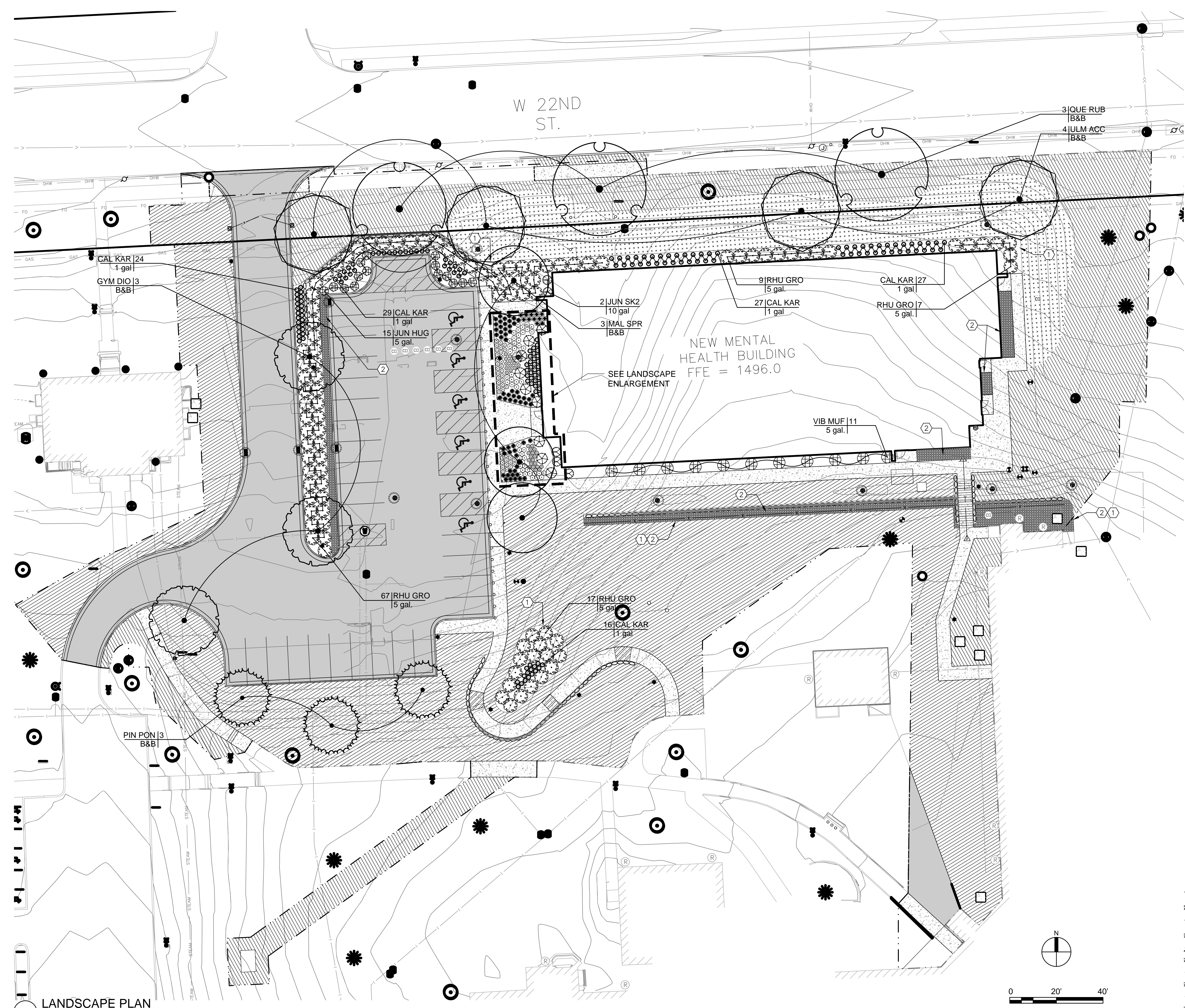
Building Number

Drawing Number

CJ109

Dwg. 19 of 102

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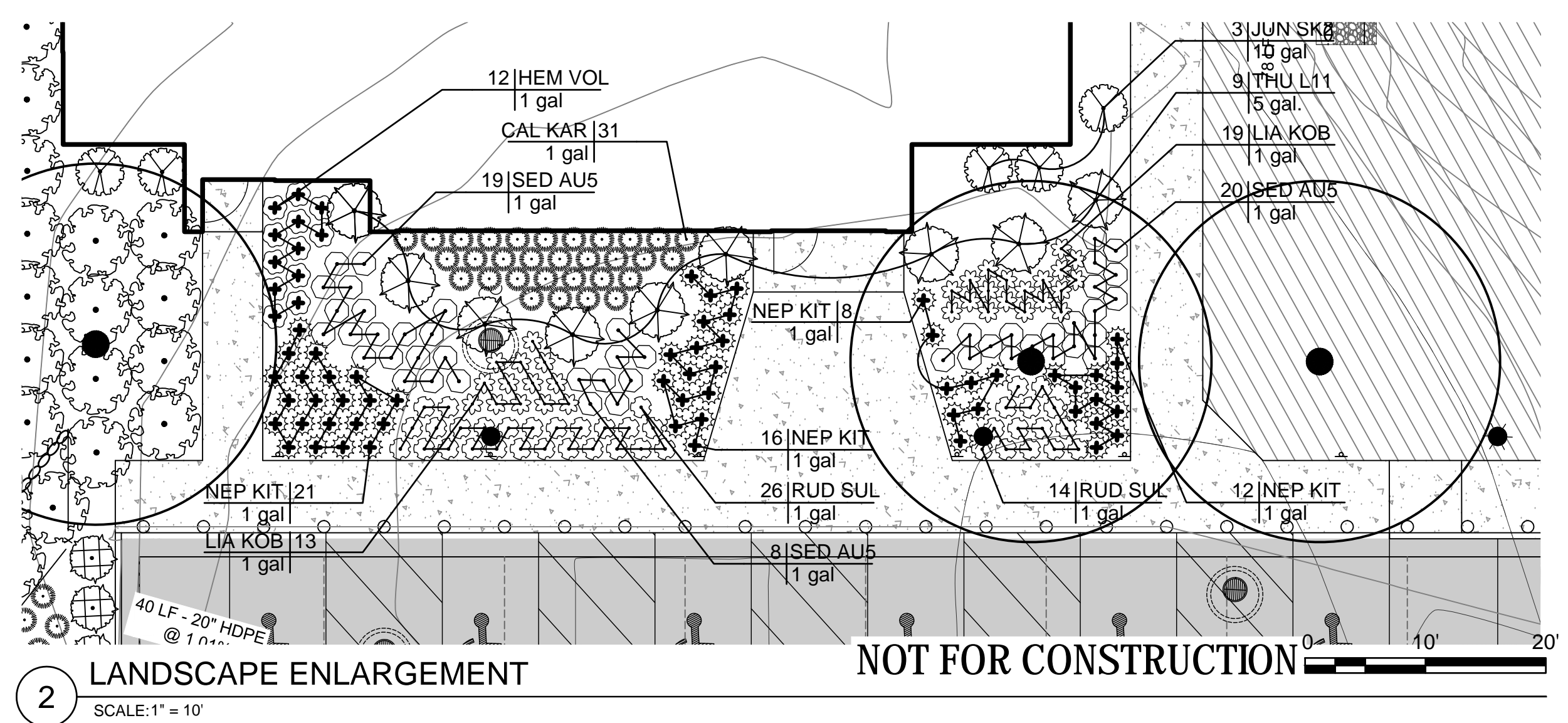


- LEGEND:**
- NEW CURB AND GUTTER
 - NEW RETAINING WALL
 - FUTURE RETAINING WALL
 - GUARD RAIL
 - CONCRETE PAVEMENT
 - TURF WITH IRRIGATION
 - SEED MIX I WITH IRRIGATION AND EROSION CONTROL BLANKET
 - CONSTRUCTION LIMITS
- KEYNOTES:**
- ① POLY EDGER
 - ② 3" DEEP ROCK MULCH

- SITE PLAN NOTES:**
1. REFER TO ARCHITECTURAL PLANS FOR BUILDING LAYOUT AND DIMENSIONS OF STOOPS AND PRECISE BUILDING DIMENSIONS.
 2. REFER TO SITE DEMOLITION PLAN FOR LIMITS OF PAVEMENT REMOVALS.
 3. NEW CONSTRUCTION FEATURES SHALL MATCH IN TO EXISTING WHERE APPLICABLE (PAVEMENT, CURBS, SIDEWALKS). PROVIDE SMOOTH TRANSITIONS AT MATCH IN POINTS.
 4. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. SEE SHEET CG101.
 5. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED ON THE PLANS.
 6. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION, PRIOR TO THE BEGINNING OF NEW WORK.
 7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
 8. PROTECT ALL EXISTING SITE ELEMENTS (TREES, UTILITIES, CURB, ECT...) NOT NOTED FOR REMOVAL. SEE SHEET CD101. REPLACE IN KIND IF DAMAGED.
 9. SUBSTITUTIONS FROM INFO SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY THE CONTRACTING OFFICER.

PLANT SCHEDULE

TREES	CODE	QTY	COMMON NAME	CONT.	SIZE	REMARKS
	GYM DIO	4	KENTUCKY COFFEETREE GYMNOCLADUS DIOICA 'ESPRESSO'	B&B	2 - 1/2" CAL.	NO BRANCHES BELOW 36" HT. SINGLE, STRAIGHT LEADER
	MAL SPR	3	SPRING SNOW CRAB APPLE MALUS X 'SPRING SNOW'	B&B	1 - 1/2" CAL.	NO BRANCHES BELOW 36" HT. SINGLE, STRAIGHT LEADER
	PIN PON	3	PONDEROSA PINE PINUS PONDEROSA	B&B		FULL FORM TO GRADE - 12' MAX LEADER LENGTH SHEARED AND CLIPPED TREES WILL NOT BE ACCEPTED.
	QUE RUB	3	RED OAK QUERCUS RUBRA	B&B	2 - 1/2" CAL.	NO BRANCHES BELOW 36" HT. SINGLE, STRAIGHT LEADER
	ULM ACC	4	ACCOLADE ELM ULMUS X 'ACCOLADE'	B&B	2 - 1/2" CAL.	NO BRANCHES BELOW 36" HT. SINGLE, STRAIGHT LEADER
SHRUBS	CODE	QTY	COMMON NAME	CONT.	SIZE	REMARKS
	JUN HUG	15	HUGHES JUNIPER JUNIPERUS HORIZONTALIS 'HUGHES'	5 GAL.		MINIMUM 18" DIA.
	JUN SK2	5	SKYROCKET JUNIPER JUNIPERUS SCOPULORUM 'SKYROCKET'	10 GAL		
	RHU GRO	101	GRO-LOW FRAGRANT SUMAC RHUS AROMATICA 'GRO-LOW'	5 GAL.		MINIMUM 5 CANES @ 12" HT.
	THU L11	10	LITTLE GIANT ARBORVITAE THUJA OCCIDENTALIS 'LITTLE GIANT'	5 GAL.		MINIMUM 18" WIDE
	VIB MUF	11	SOUTHERN ARROWWOOD VIBURNUM DENTATUM 'BLUE MUFFIN'	5 GAL.		MINIMUM 5 CANES @ 12" HT.
ANNUALS/PERENNIALS	CODE	QTY	COMMON NAME	CONT.	SIZE	REMARKS
	CAL KAR	154	FEATHER REED GRASS CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	1 GAL		
	HEM VOL	12	DAYLILY HEMEROCALLIS X 'RED VOLUNTEER'	1 GAL		
	LIA KOB	32	SPIKE GAYFEATHER LIATRIS SPICATA 'KOBOLD'	1 GAL		
	NEP KIT	57	KIT KAT NEPETA NEPETA X FAASSENII 'KIT KAT'	1 GAL		
	RUD SUL	40	CONEFLOWER RUDBECKIA FULGIDA SULLIVANTII 'LITTLE GOLDSTAR'	1 GAL		
	SED AUS	47	AUTUMN FIRE SEDUM SEDUM X 'AUTUMN FIRE'	1 GAL		



Revisions	Date

CONSULTANT

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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

LANDSCAPE SITE PLAN

Approved: Project Director

Phase

100% BID DOCUMENTS

Project Title

Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

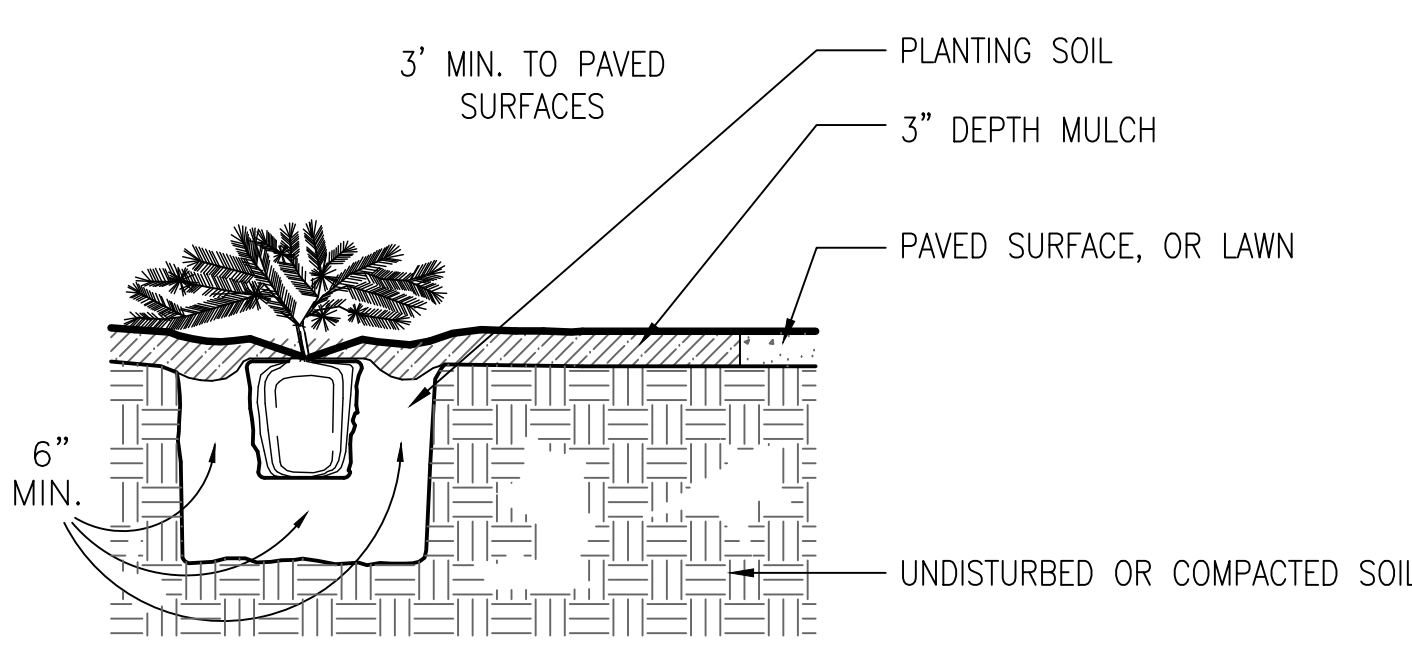
Issue Date
10/01/2018

Project Number
VA #438-450

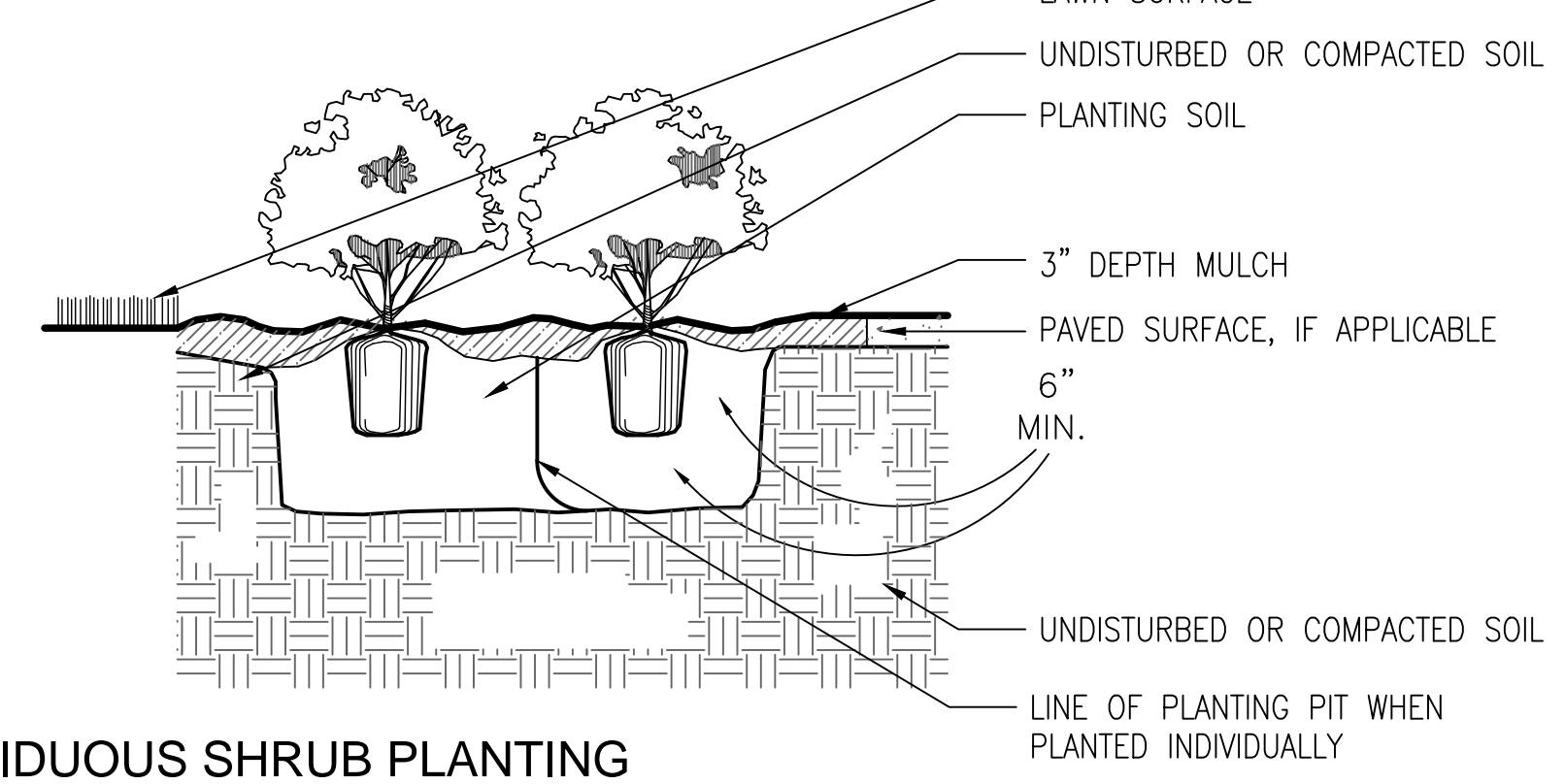
Building Number

Drawing Number
LS101

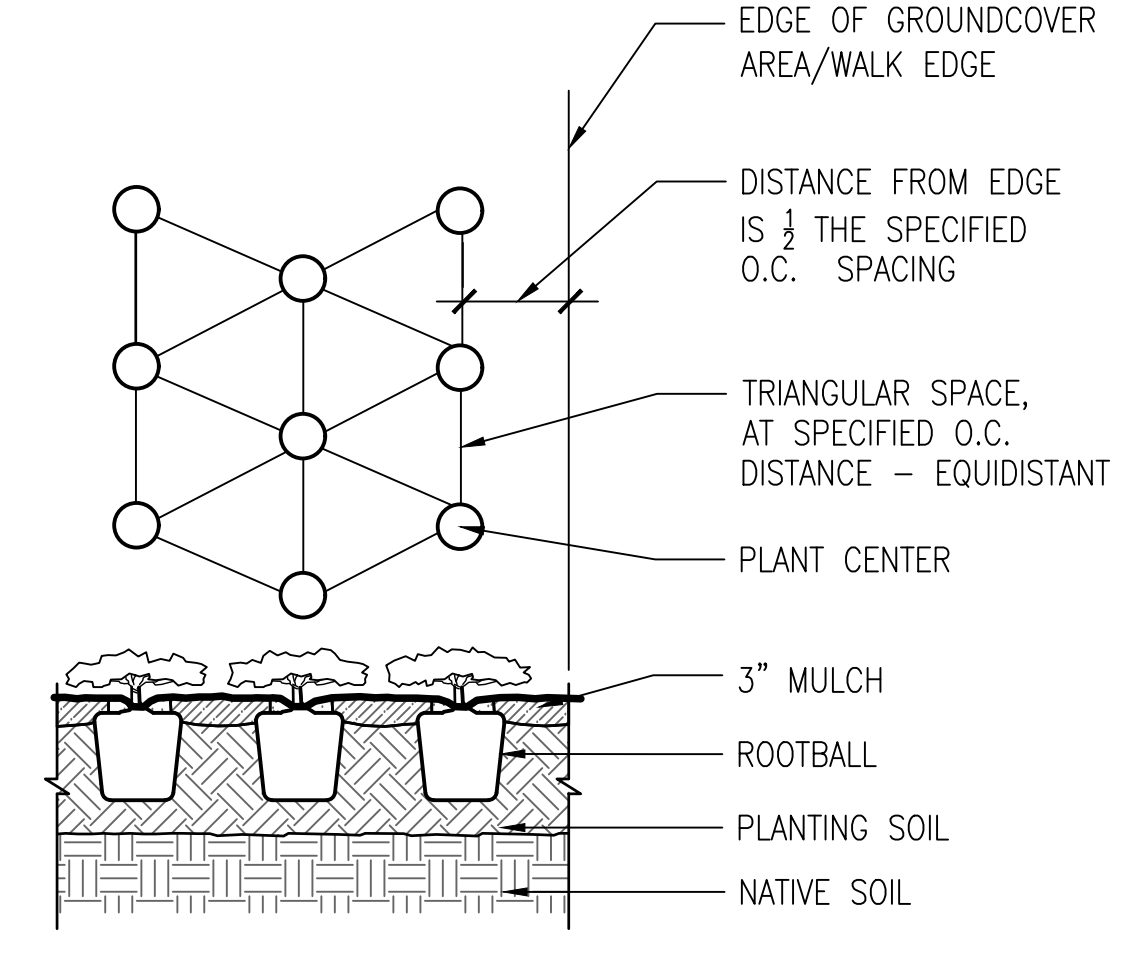
Dwg. 20 of 102



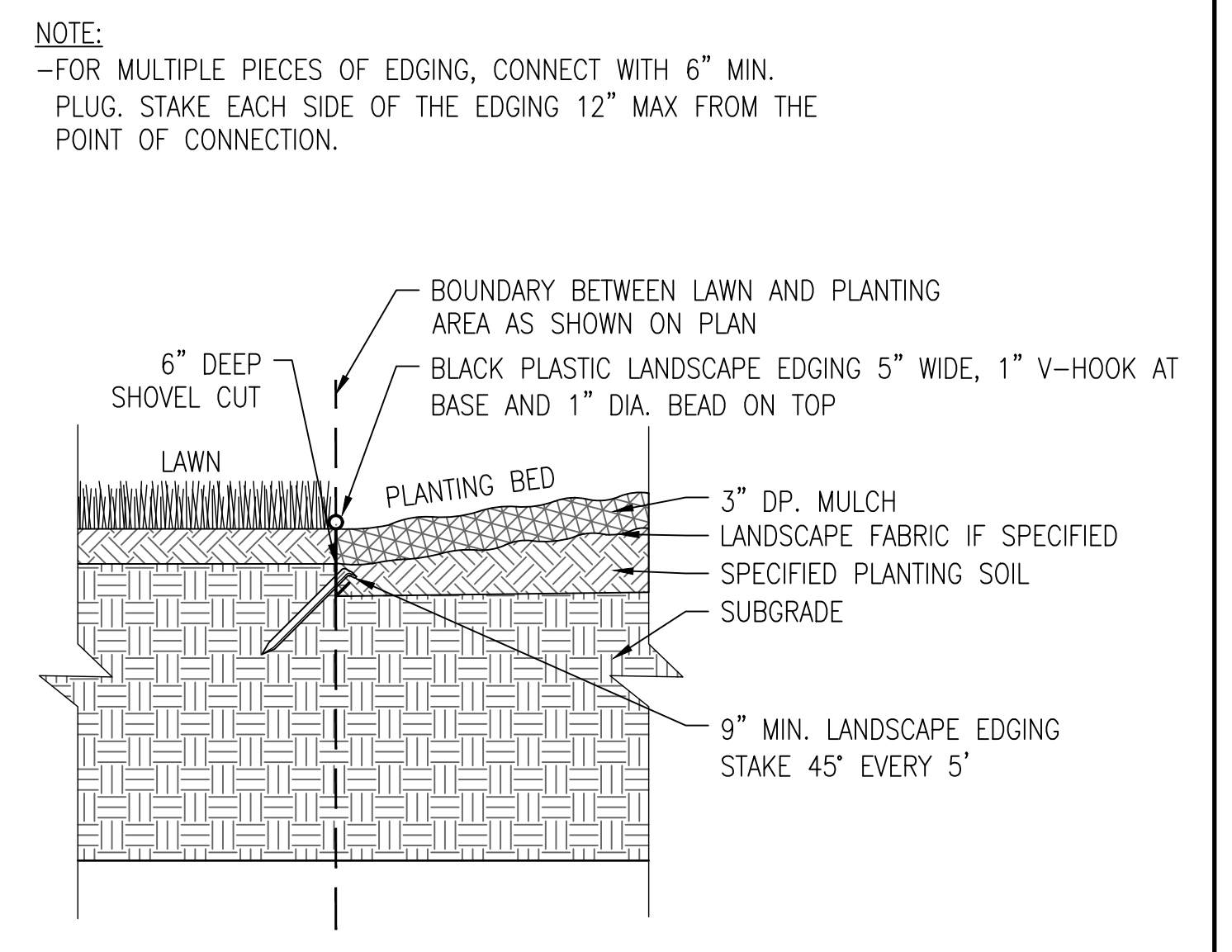
1 EVERGREEN SHRUB PLANTING
SCALE: N.T.S.



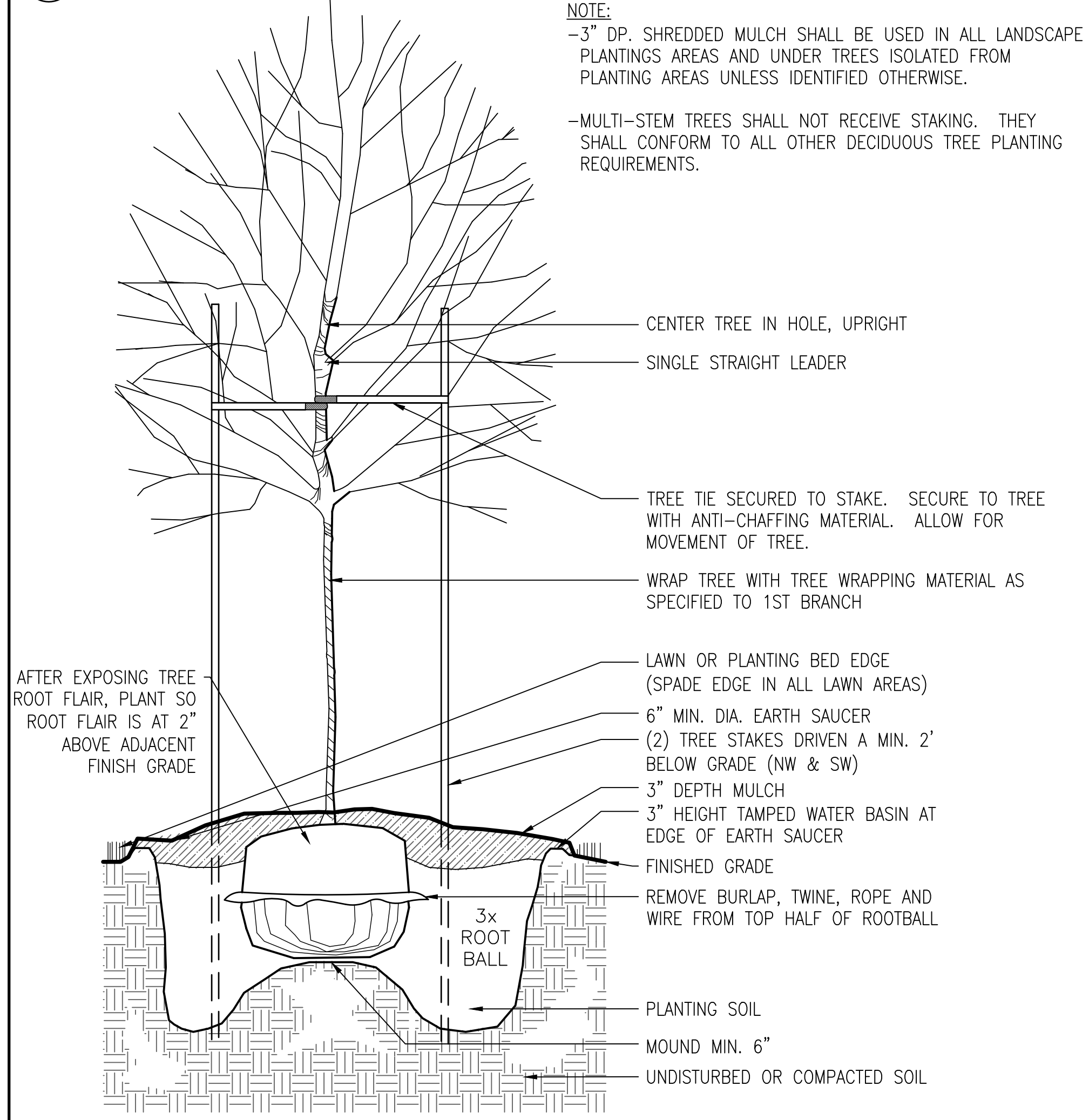
2 DECIDUOUS SHRUB PLANTING
SCALE: N.T.S.



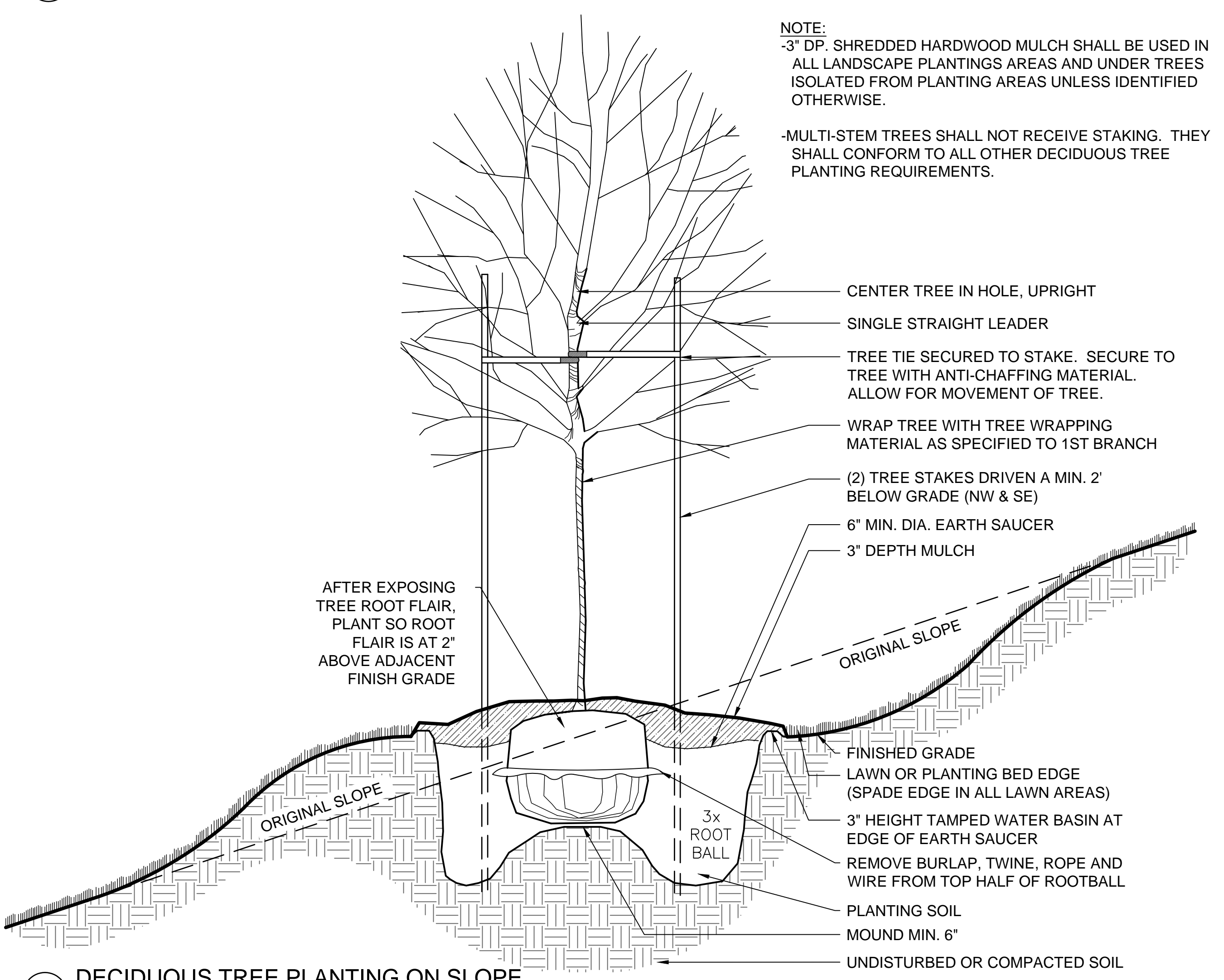
3 SHRUB / PERENNIAL SPACING
SCALE: N.T.S.



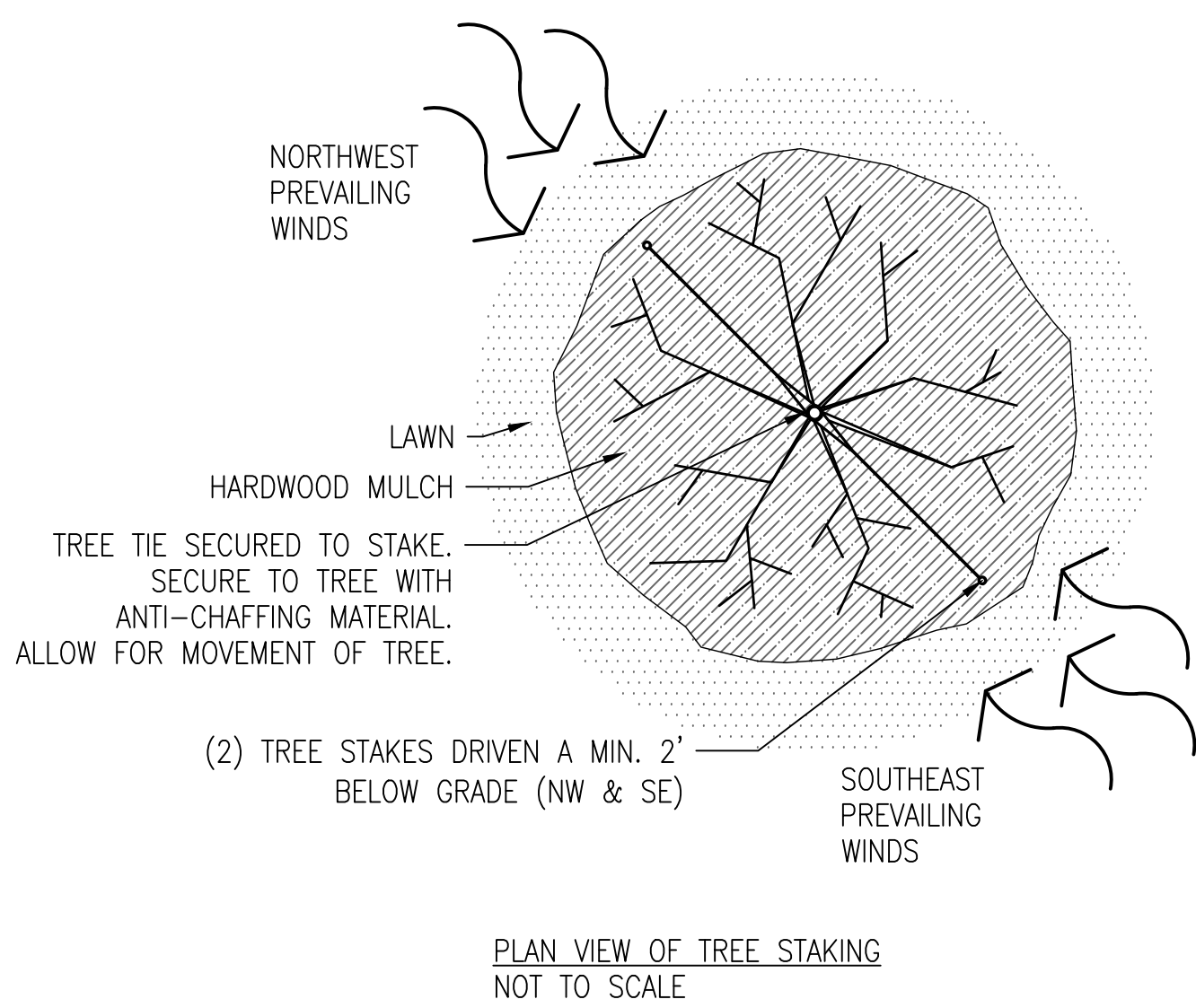
4 POLY EDGER DETAIL
SCALE: N.T.S.



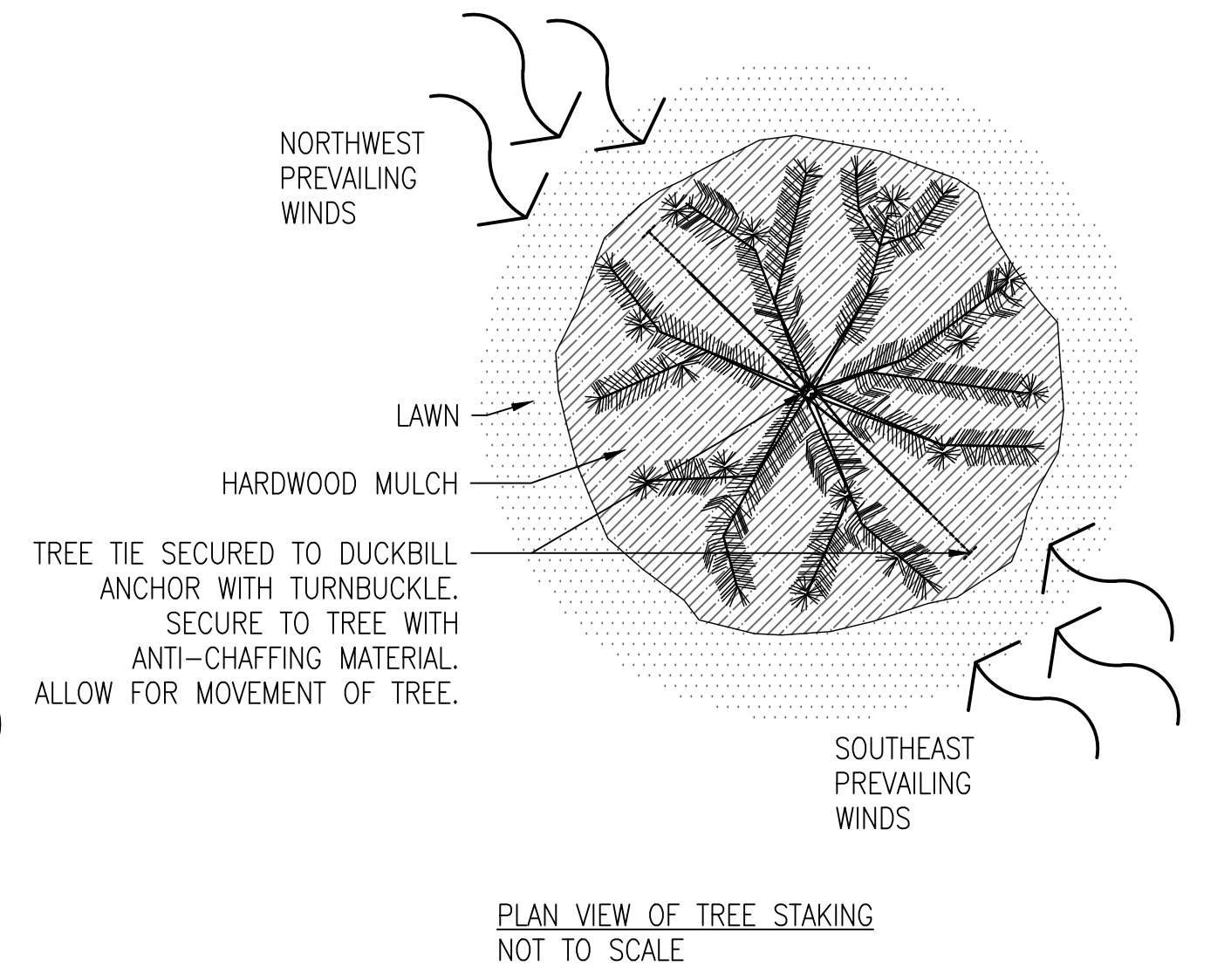
6 DECIDUOUS TREE PLANTING
SCALE: N.T.S.



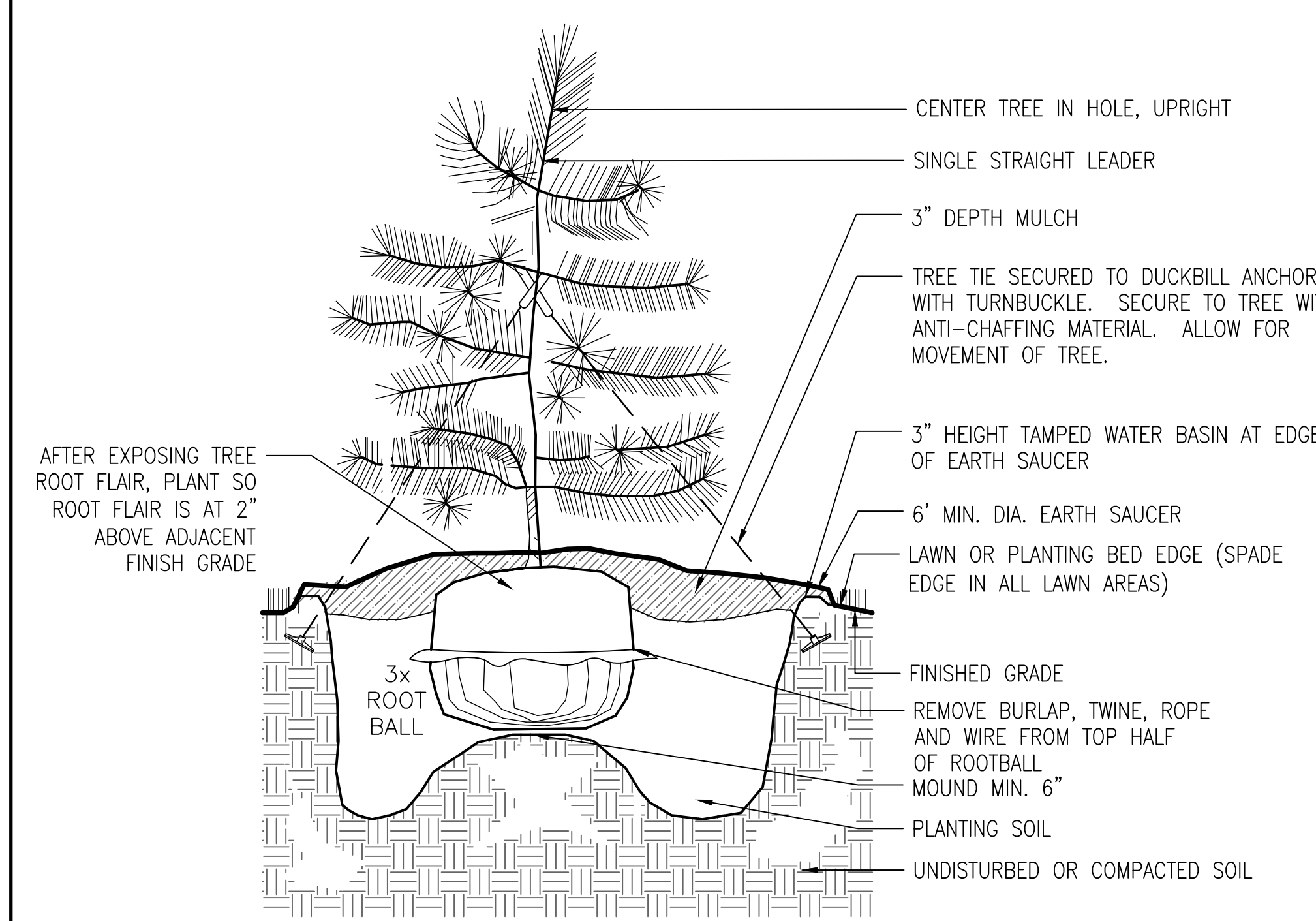
7 DECIDUOUS TREE PLANTING ON SLOPE
SCALE: N.T.S.



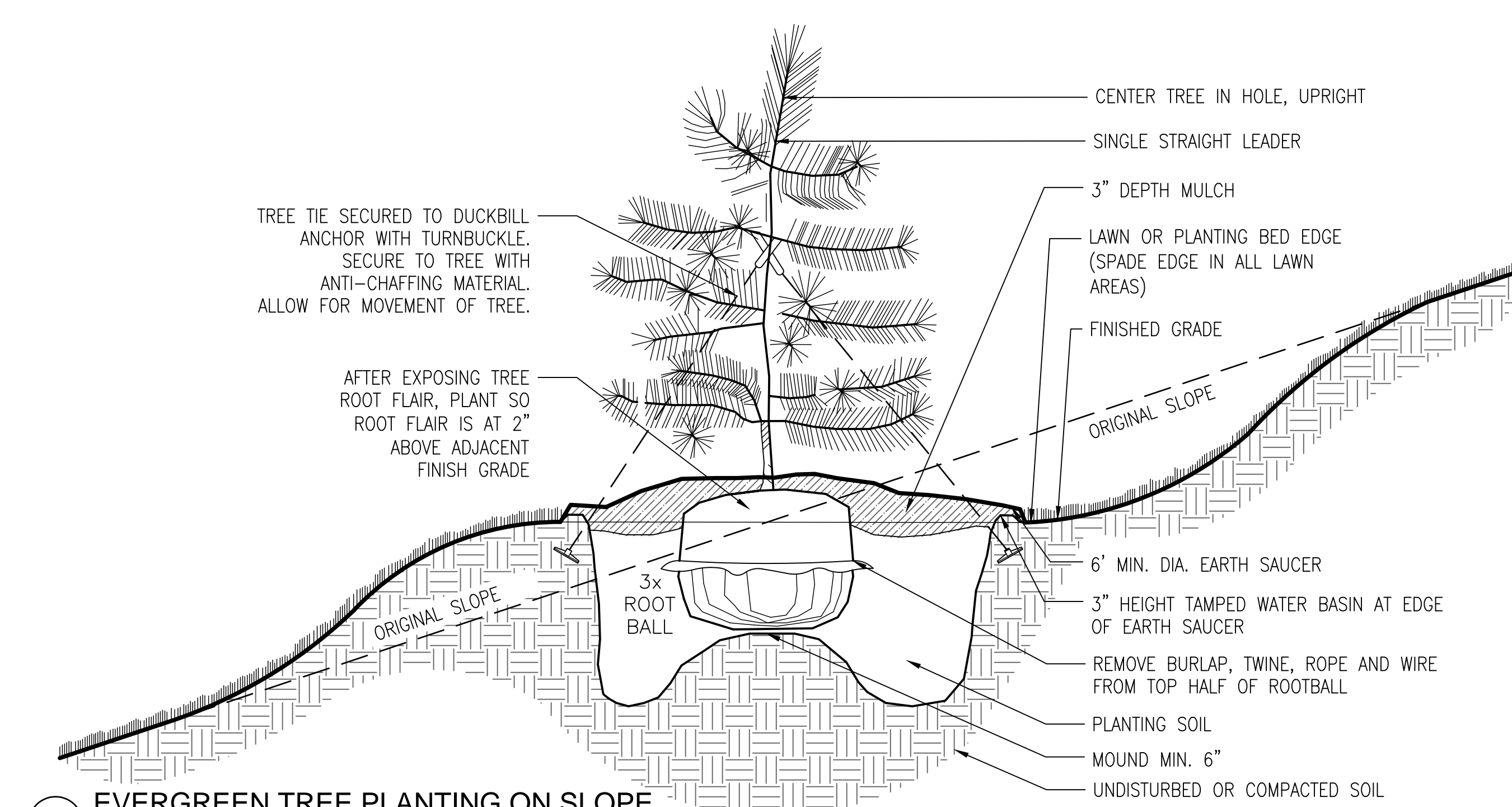
5 TREE STAKING DETAIL
SCALE: N.T.S.



4 POLY EDGER DETAIL
SCALE: N.T.S.



8 EVERGREEN TREE PLANTING
SCALE: N.T.S.



9 EVERGREEN TREE PLANTING ON SLOPE
SCALE: N.T.S.

NOT FOR CONSTRUCTION

Revisions	Date

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Stamp: PROFESSIONAL LANDSCAPE ARCHITECT REG. NO. 13908

AE PROJECT NO.: 14541

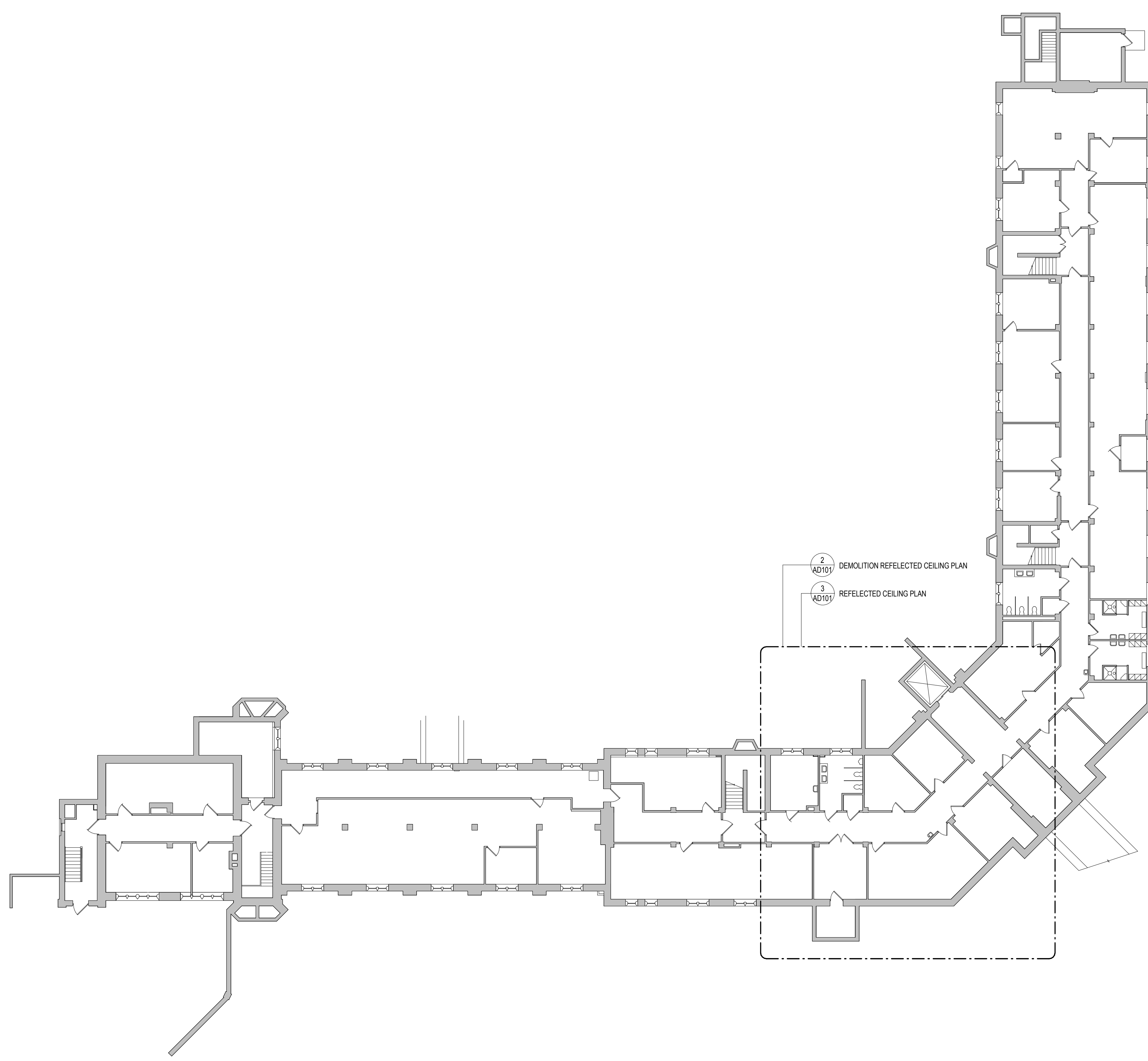
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title: **LANDSCAPE DETAILS**
Approved: Project Director

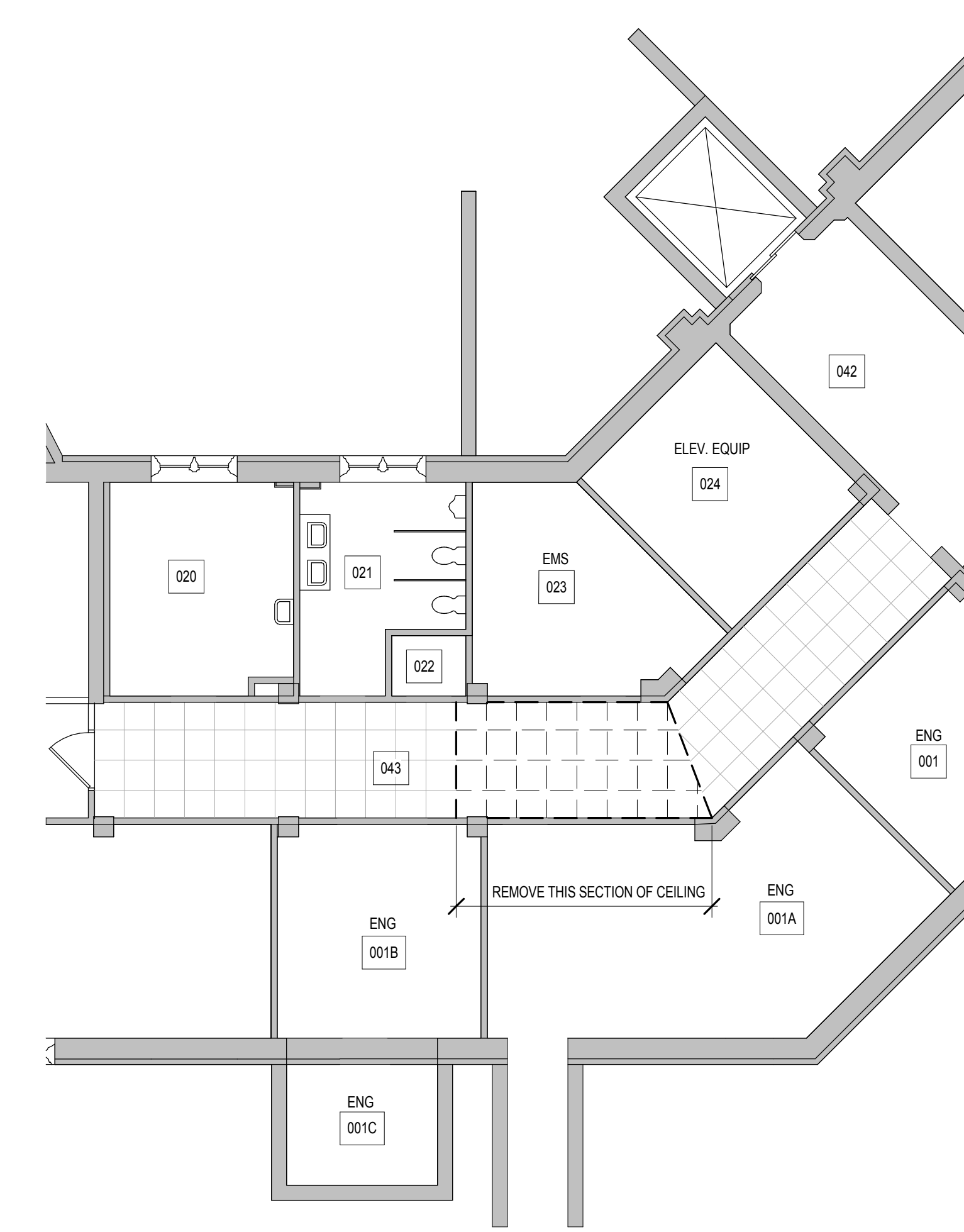
Phase: **100% BID DOCUMENTS**

Project Title: **Outpatient Mental Health Building**
Project Number: VA #438-450
Building Number: **LJ101**
Location: 2501 W 22nd St, Sioux Falls, SD, 57105
Issue Date: 10/01/2018
Checked: EMS
Drawn: IJW
Dwg. 21 of 102

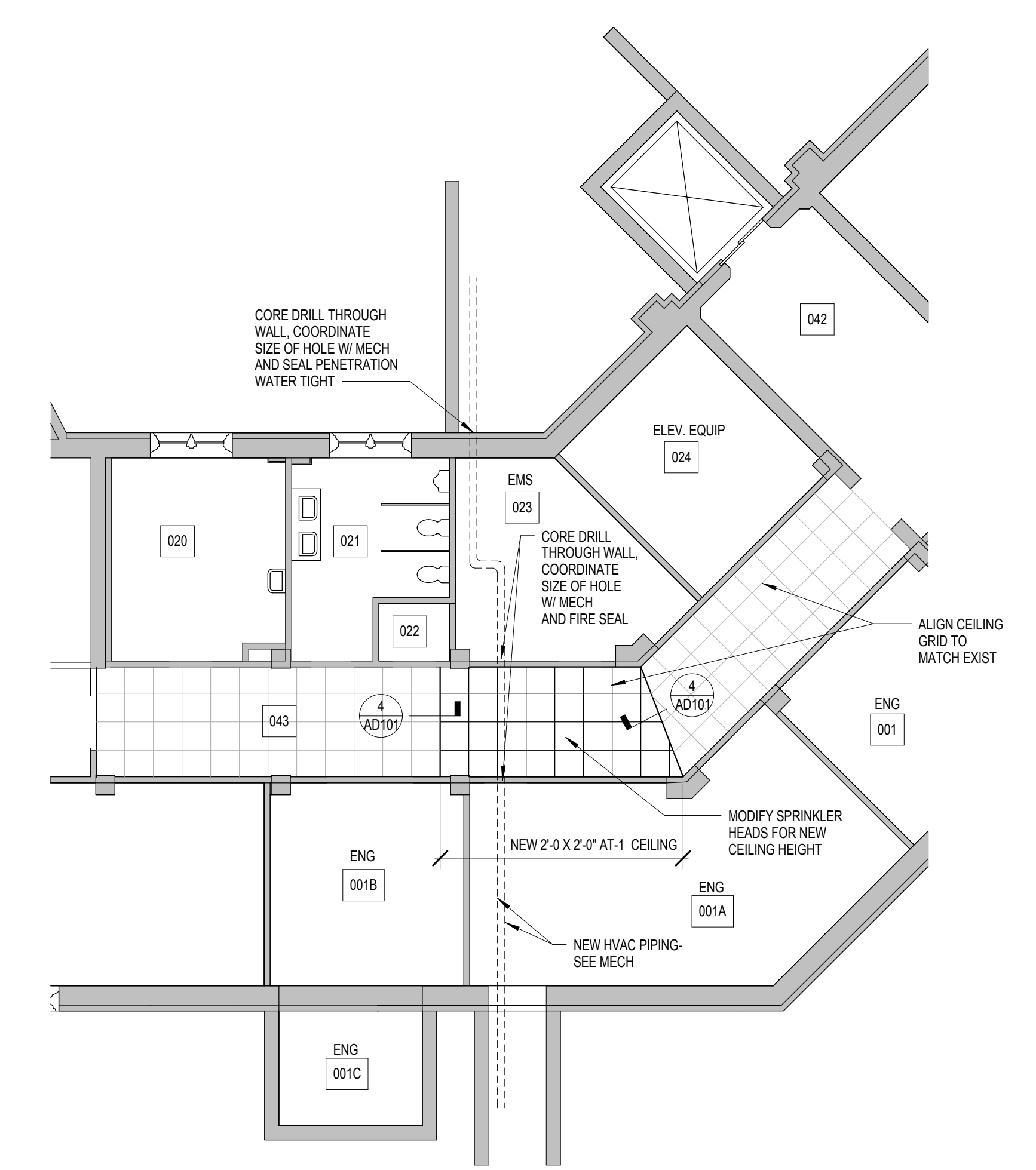
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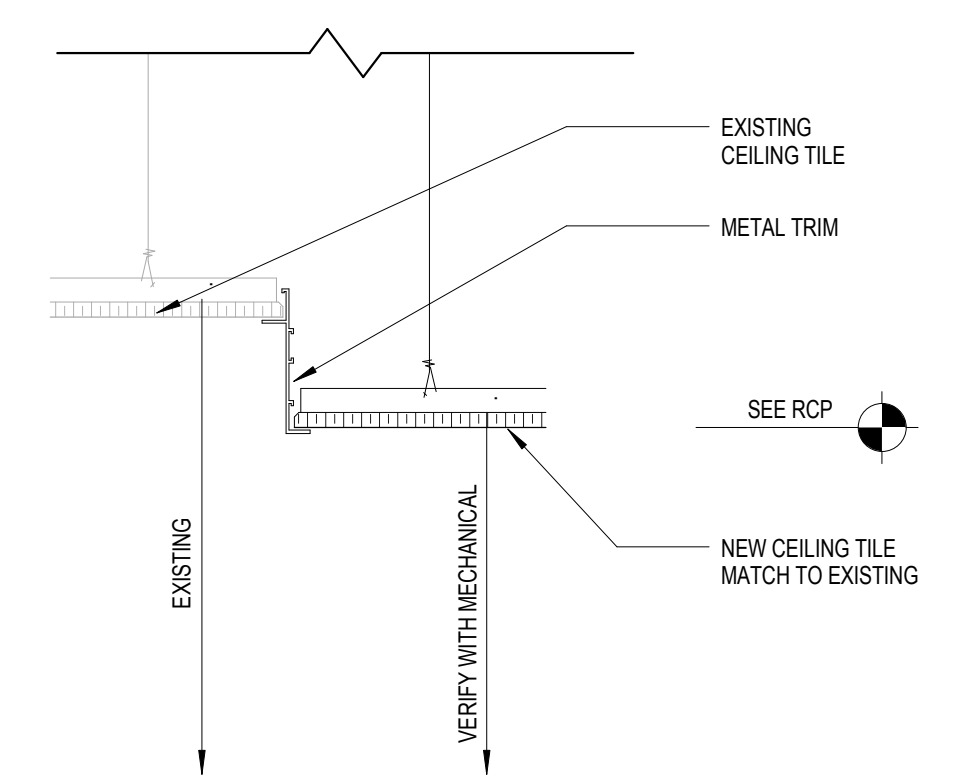
1 BUILDING 1 - OVERALL FLOOR PLAN
1/16" = 1'-0"



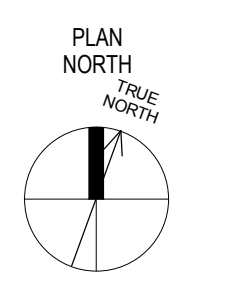
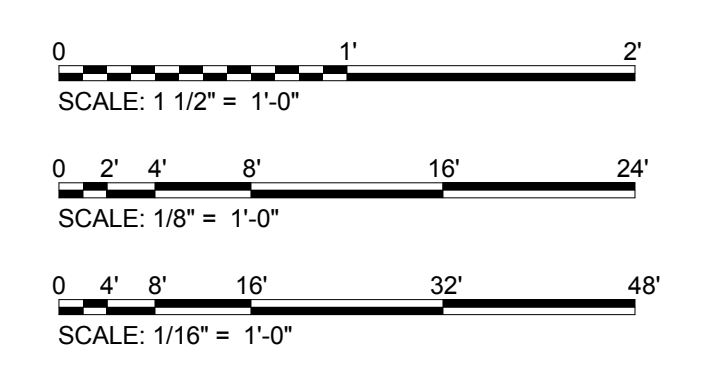
2 ENLARGED BASEMENT DEMOLITION REFLECTED CEILING PLAN - BLDG 1
1/8" = 1'-0"



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



4 SOFFIT DETAIL
1 1/2" = 1'-0"



NOT FOR CONSTRUCTION

Revisions	Date

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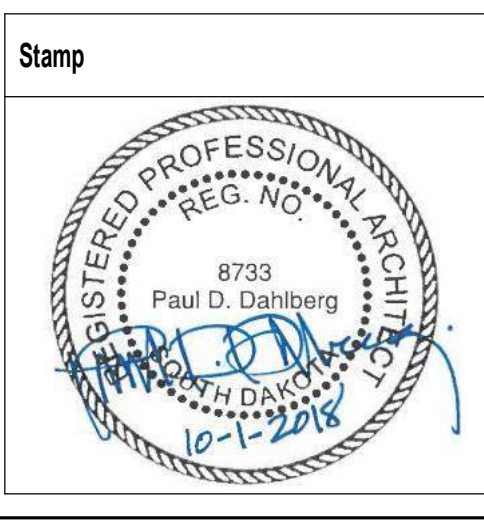
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
DEMOLITION PLAN S - BUILDING 1

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

Drawn
 PYC

Project Number
 VA #438-450

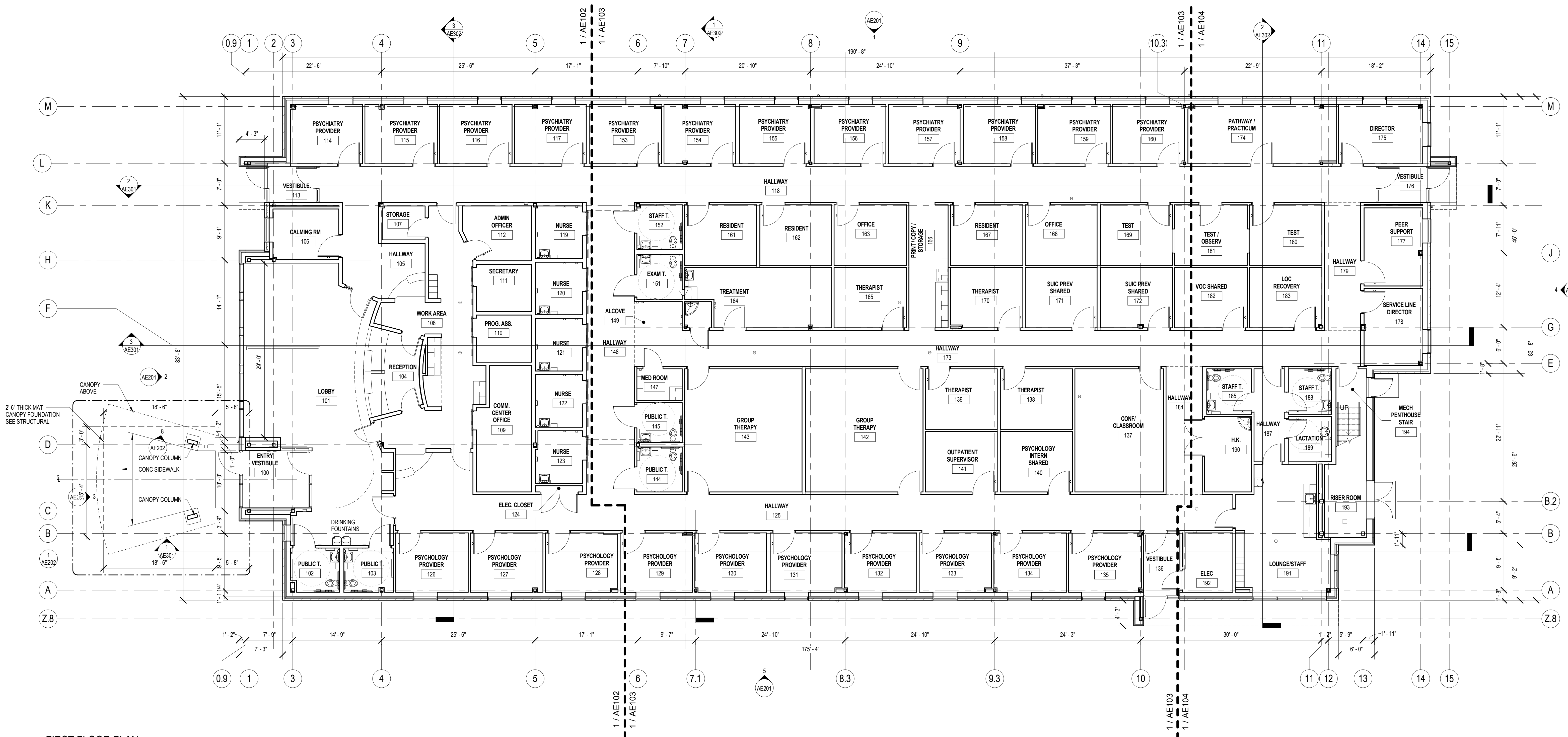
Building Number

Drawing Number
AD101

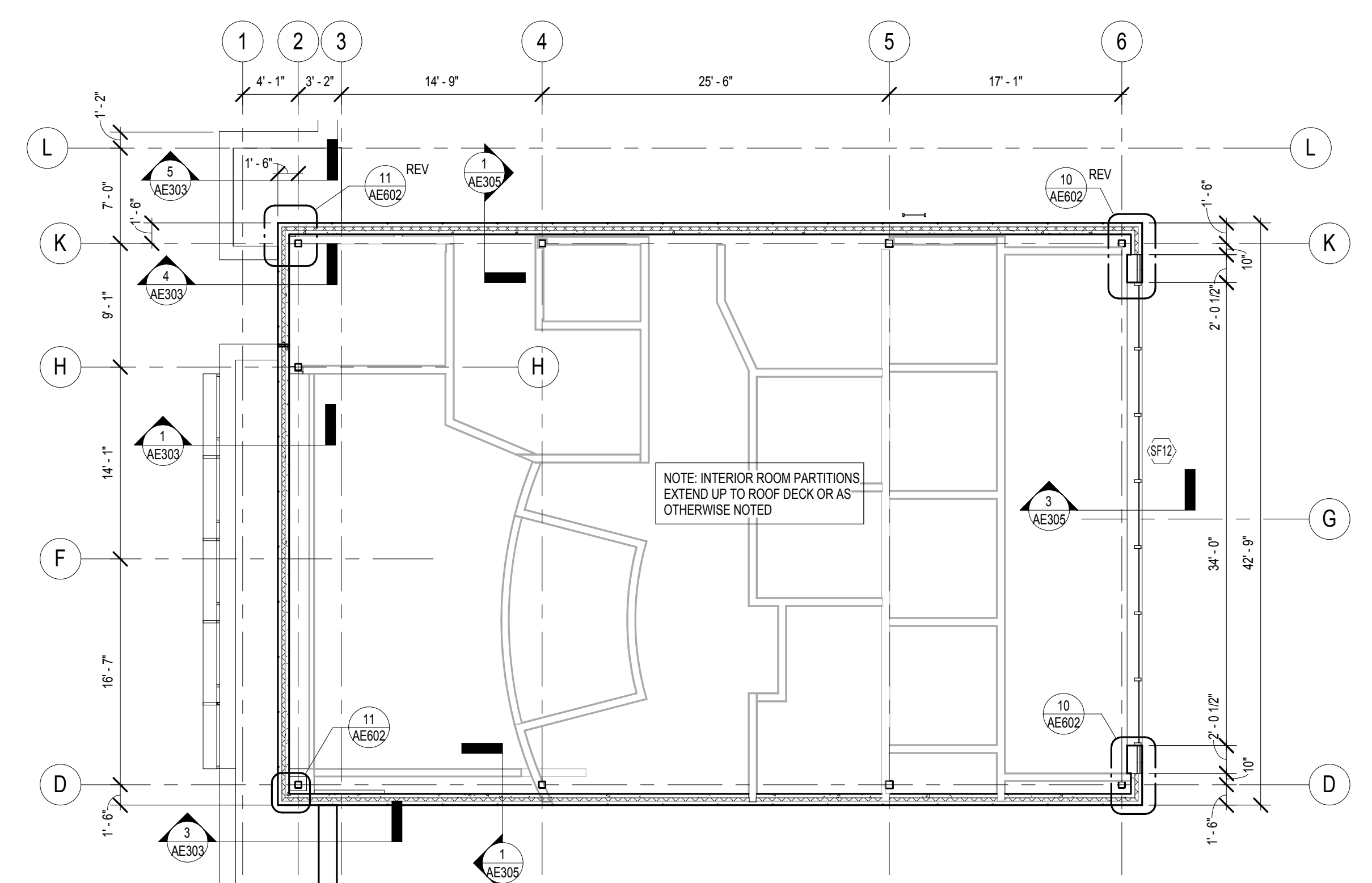
Dwg. 22 of 102

FLOOR PLAN GENERAL NOTES

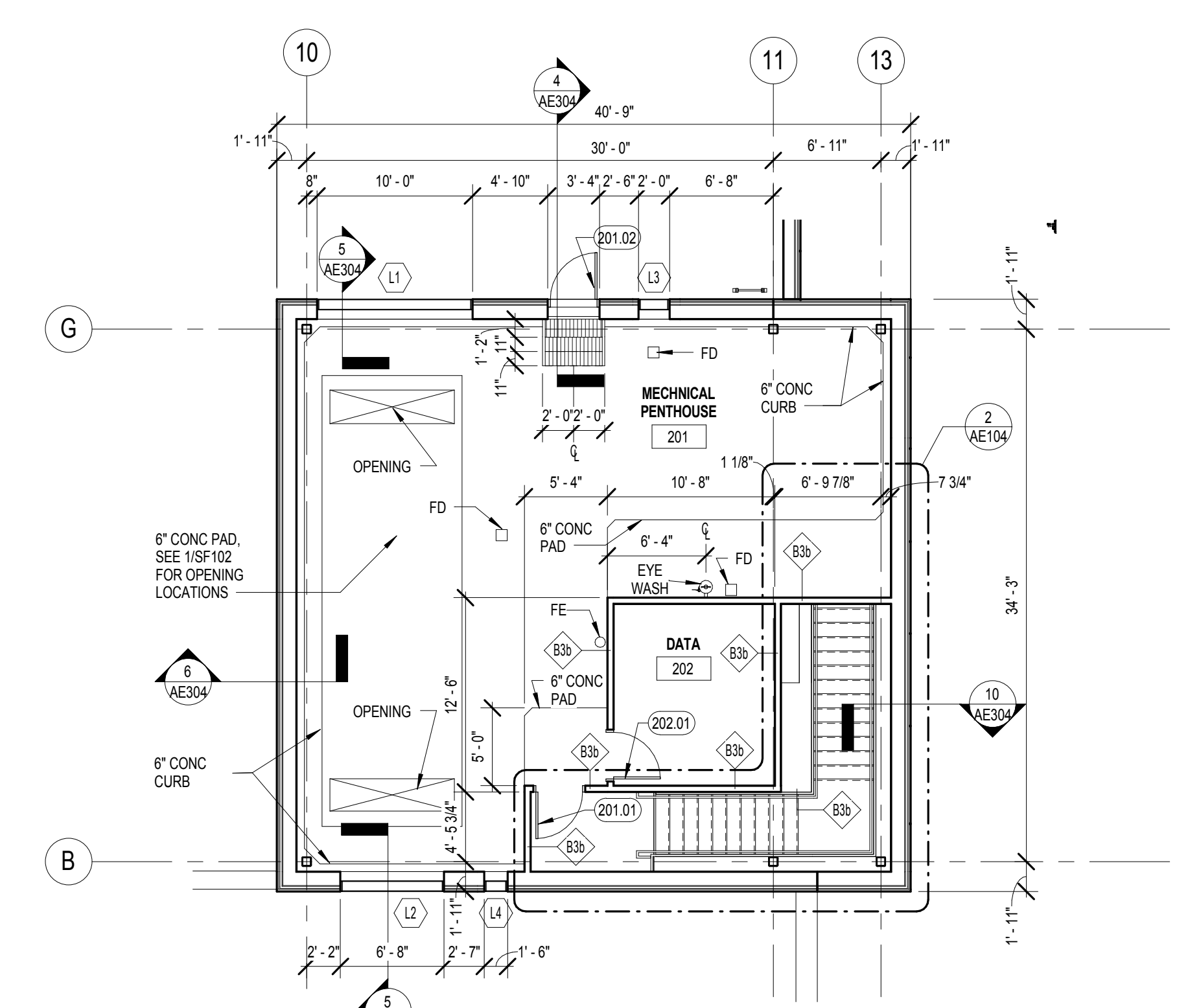
1. FFE = 100' 0" UNLESS NOTED OTHERWISE. SEE C101 GRADING NOTES FOR SITE DATUM.
2. FIRE RATED PARTITIONS SHALL EXTEND TO DECK ABOVE. PENETRATIONS IN FIRE RATED PARTITIONS ARE REQUIRED TO BE SEALED.
3. REFER TO SHEET AE402 FOR MOUNTING HEIGHTS, ACCESSIBLE AND STANDARD FIXTURE, ACCESSORIES AND EQUIPMENT.
4. REFER TO SHEET AE501 FOR PARTITION TYPES. TYPICAL PARTITION TYPE ARE "B3" UNLESS NOTED OTHERWISE.
5. REFER TO SHEET AE502 FOR DOOR SCHEDULES.
6. REFER TO SHEET AE503 FOR DOOR TYPES AND WINDOW TYPES.
7. PROVIDE FIRE SAFING MATERIAL AT RATED WALL JOINTS AND PENETRATIONS - REFER TO SHEET 1/10104 AND 2/10104 FOR LOCATION OF RATED WALLS.
8. REFER SHEET 1/101102 FOR FURNITURE PLAN - REFERENCE ONLY.
9. REFER TO SHEET 1/101101 FOR EQUIPMENT PLAN.
10. REFER TO 1/AE301 & 2/AE301 FOR TYPICAL DIMENSION OF DOOR LOCATION UNLESS NOTED OTHERWISE.



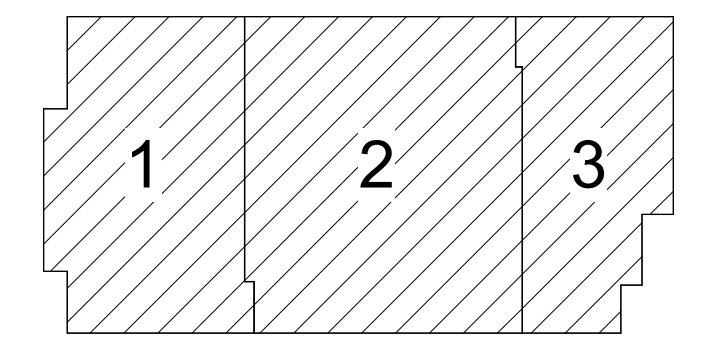
1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 UPPER FLOOR PLAN
1/8" = 1'-0"



3 PENTHOUSE PLAN
1/8" = 1'-0"



KEY PLAN
NOT FOR CONSTRUCTION

10/05/2018 12:16:13 PM C:\Users\pcho\Documents\14541 OMHB RV1716_1\young.dwg

Revisions	Date

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Stamp: REGISTERED PROFESSIONAL ARCHITECT
REG. NO. 8733
Paul D. Dahlberg
10-1-2018

AE PROJECT NO: 14541

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

Drawing Title
FIRST FLOOR AND PENTHOUSE FLOOR PLANS
Approved: Project Director

Phase
100% BID DOCUMENTS
FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

Checked
PDD

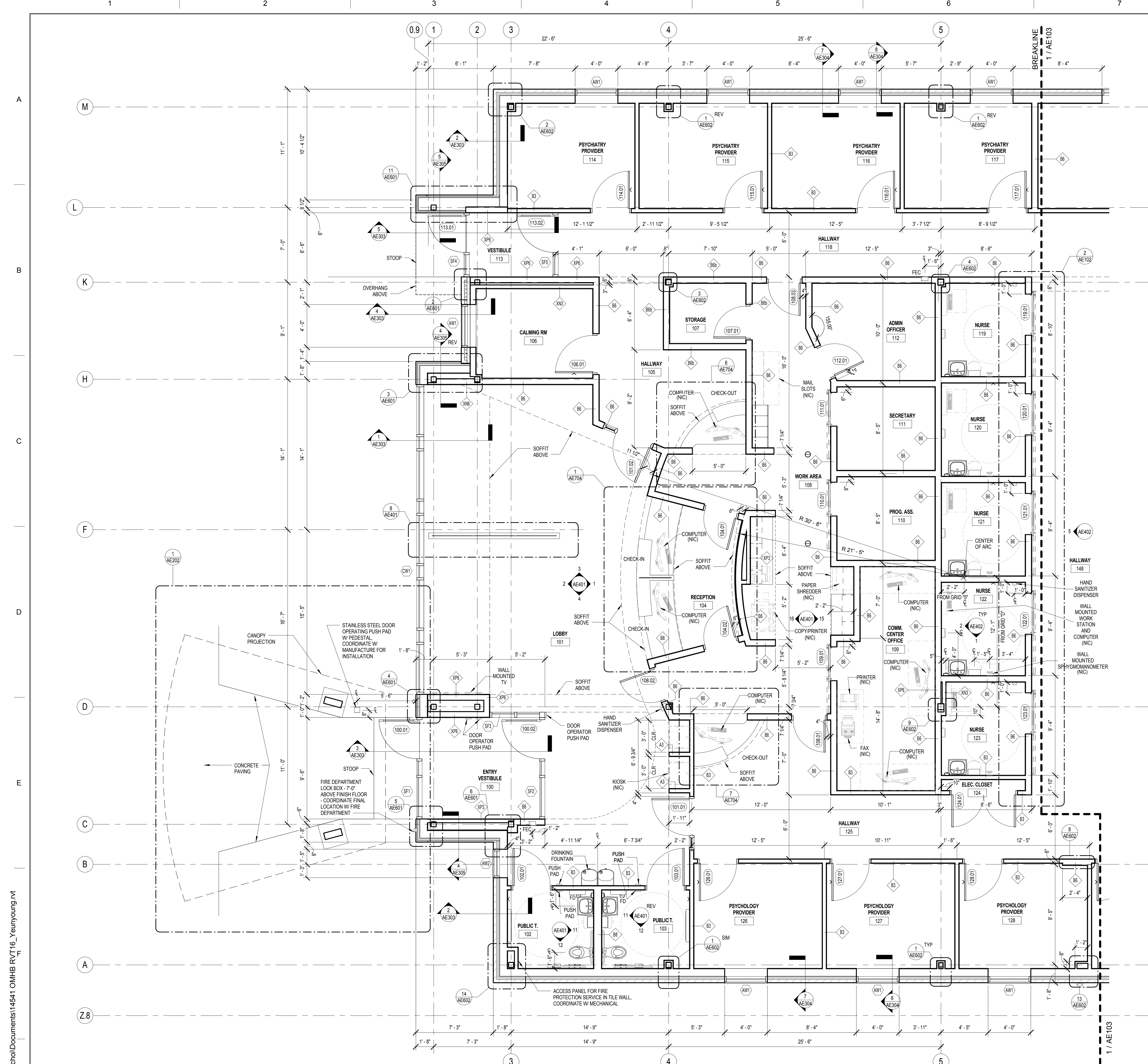
Drawn
PYC

Project Number
VA #438-450

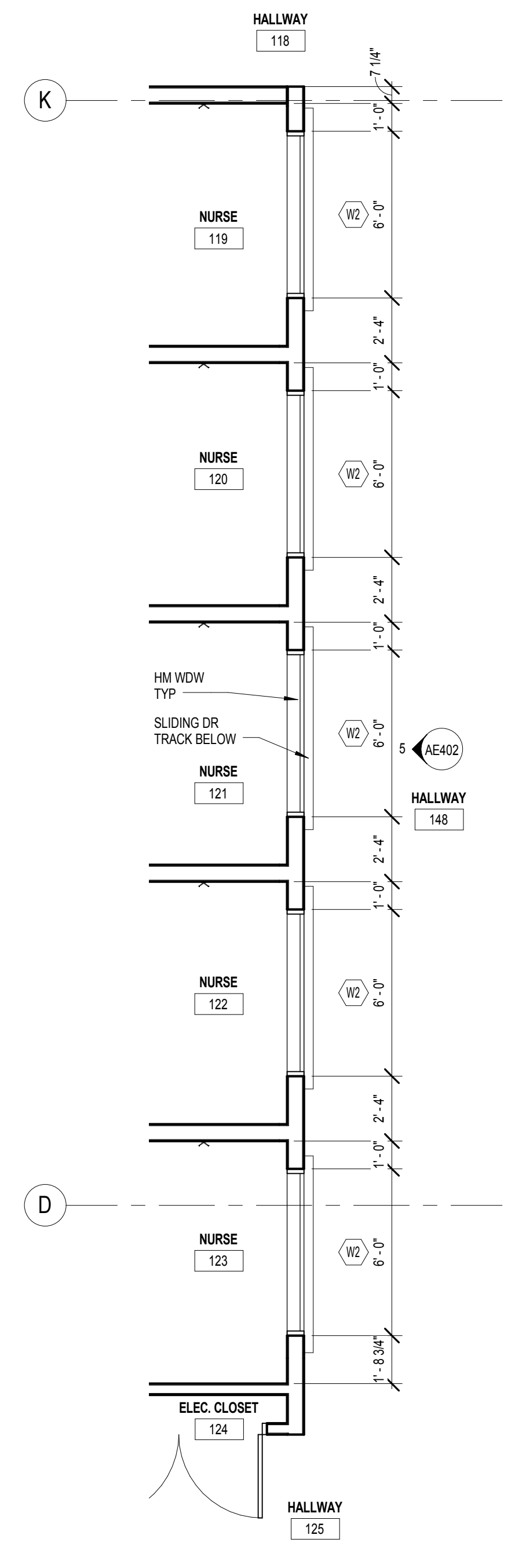
Building Number

Drawing Number
AE101

Dwg. 23 of 102



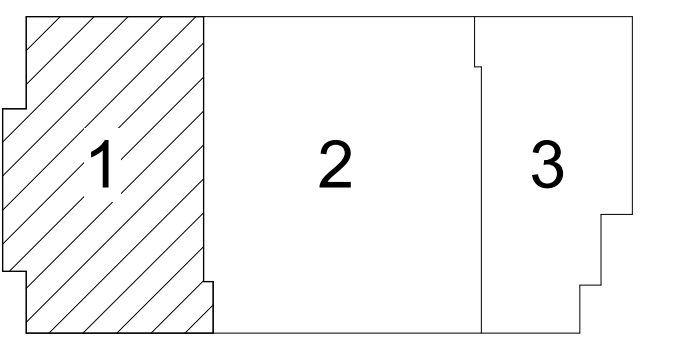
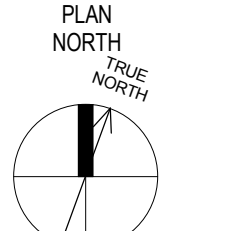
1 PARTIAL FLOOR PLAN - AREA 1
1/4" = 1'-0"



2 PARTIAL PLAN - GLAZING ABOVE DOOR
1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

- FFE = 100' 0". UNLESS NOTED OTHERWISE. SEE C101 GRADING NOTES FOR SITE DATUM.
- FIRE RATED PARTITIONS SHALL EXTEND TO DECK ABOVE. PENETRATIONS IN FIRE RATED PARTITIONS ARE REQUIRED TO BE SEALED.
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- REFER TO SHEET AE501 FOR PARTITION TYPES. TYPICAL PARTITION TYPE ARE "B3" UNLESS NOTED OTHERWISE.
- REFER TO SHEET AE502 FOR DOOR SCHEDULES.
- REFER TO SHEET AE503 FOR DOOR TYPES AND WINDOW TYPES.
- PROVIDE FIRE SAFING MATERIAL AT RATED WALL JOINTS AND PENETRATIONS - REFER TO SHEET 1/0104 AND 2/0104 FOR LOCATION OF RATED WALLS.
- REFER SHEET 1/0102 FOR FURNITURE PLAN - REFERENCE ONLY.
- REFER TO SHEET 1/0101 FOR EQUIPMENT PLAN.
- REFER TO 1/AE901 & 2/AE901 FOR TYPICAL DIMENSION OF DOOR LOCATION UNLESS NOTED OTHERWISE.



KEY PLAN

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Revisions	Date

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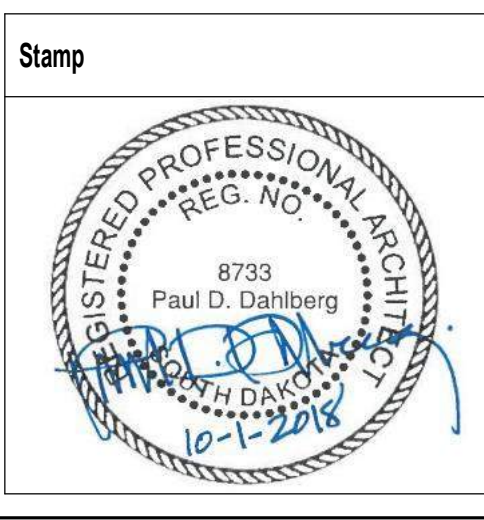
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 www.ae-rmi.com

AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
PARTIAL FLOOR PLAN - AREA 1

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Project Number
 VA #438-450

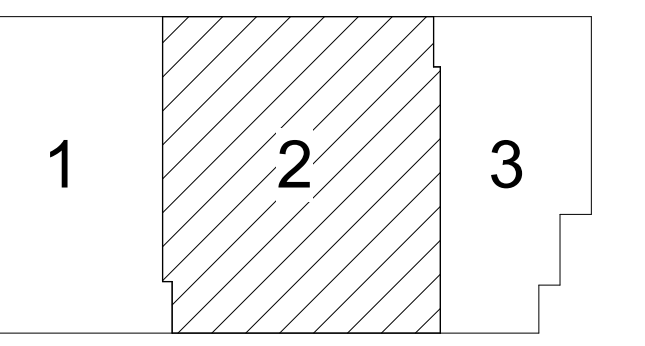
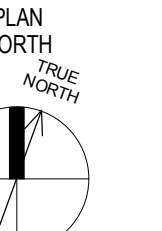
Building Number

Drawing Number
AE102

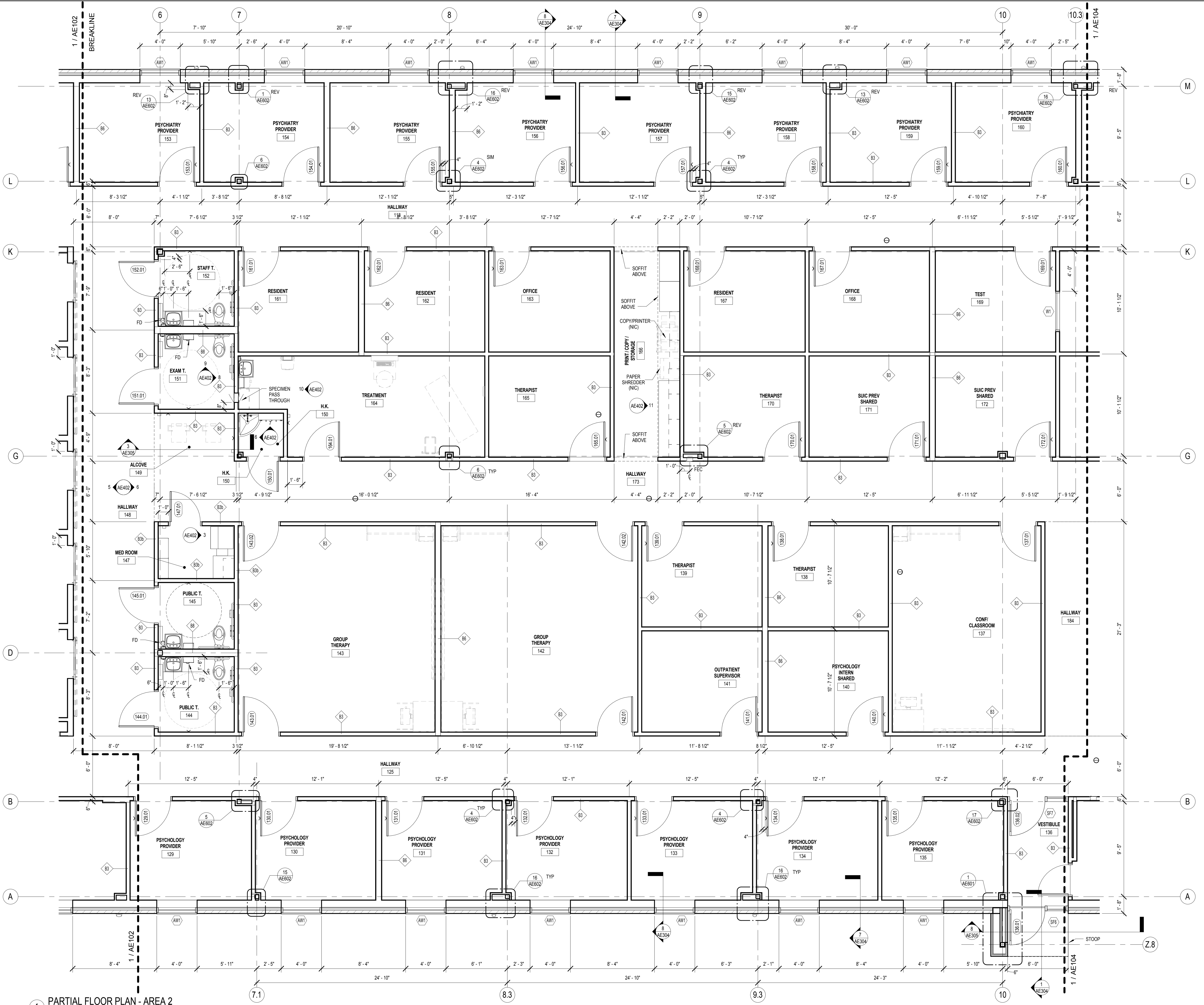
Dwg. 24 of 102

FLOOR PLAN GENERAL NOTES

1. FFE = 100'-0" UNLESS NOTED OTHERWISE. SEE C101 GRADING NOTES FOR SITE DATA.
2. FIRE RATED PARTITIONS SHALL EXTEND TO DECK ABOVE. PENETRATIONS IN FIRE RATED PARTITIONS ARE REQUIRED TO BE SEALED.
3. REFER TO SHEET AE402 FOR MOUNTING HEIGHTS, ACCESSIBLE AND STANDARD FIXTURE, ACCESSORIES AND EQUIPMENT.
4. REFER TO SHEET AE601 FOR PARTITION TYPES. TYPICAL PARTITION TYPE ARE "B3" UNLESS NOTED OTHERWISE.
5. REFER TO SHEET AE602 FOR DOOR SCHEDULES.
6. REFER TO SHEET AE603 FOR DOOR TYPES AND WINDOW TYPES.
7. PROVIDE FIRE SAFING MATERIAL AT RATED WALL JOINTS AND PENETRATIONS - REFER TO SHEET 11G104 AND 21G104 FOR LOCATION OF RATED WALLS. REFER SHEET 11G102 FOR FURNITURE PLAN - REFERENCE ONLY.
8. REFER TO SHEET 11G101 FOR EQUIPMENT PLAN.
9. REFER TO 1AE001 & 2AE001 FOR TYPICAL DIMENSION OF DOOR LOCATION UNLESS NOTED OTHERWISE.
- 10.



NOT FOR CONSTRUCTION



1 PARTIAL FLOOR PLAN - AREA 2
1/4" = 1'-0"

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Revisions	Date

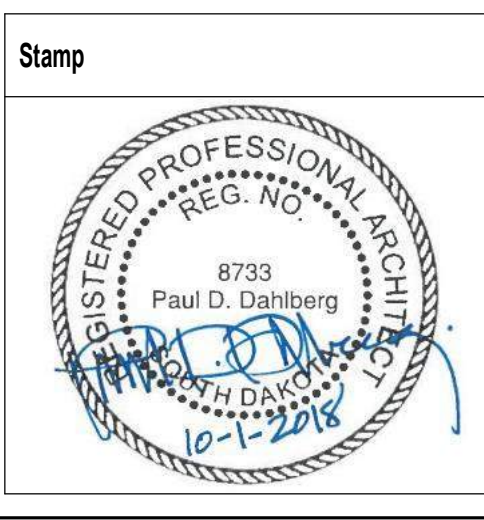
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AE PROJECT NO.: 14541



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

Drawing Title
PARTIAL FLOOR PLAN - AREA 2

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
 VA #438-450

Building Number

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

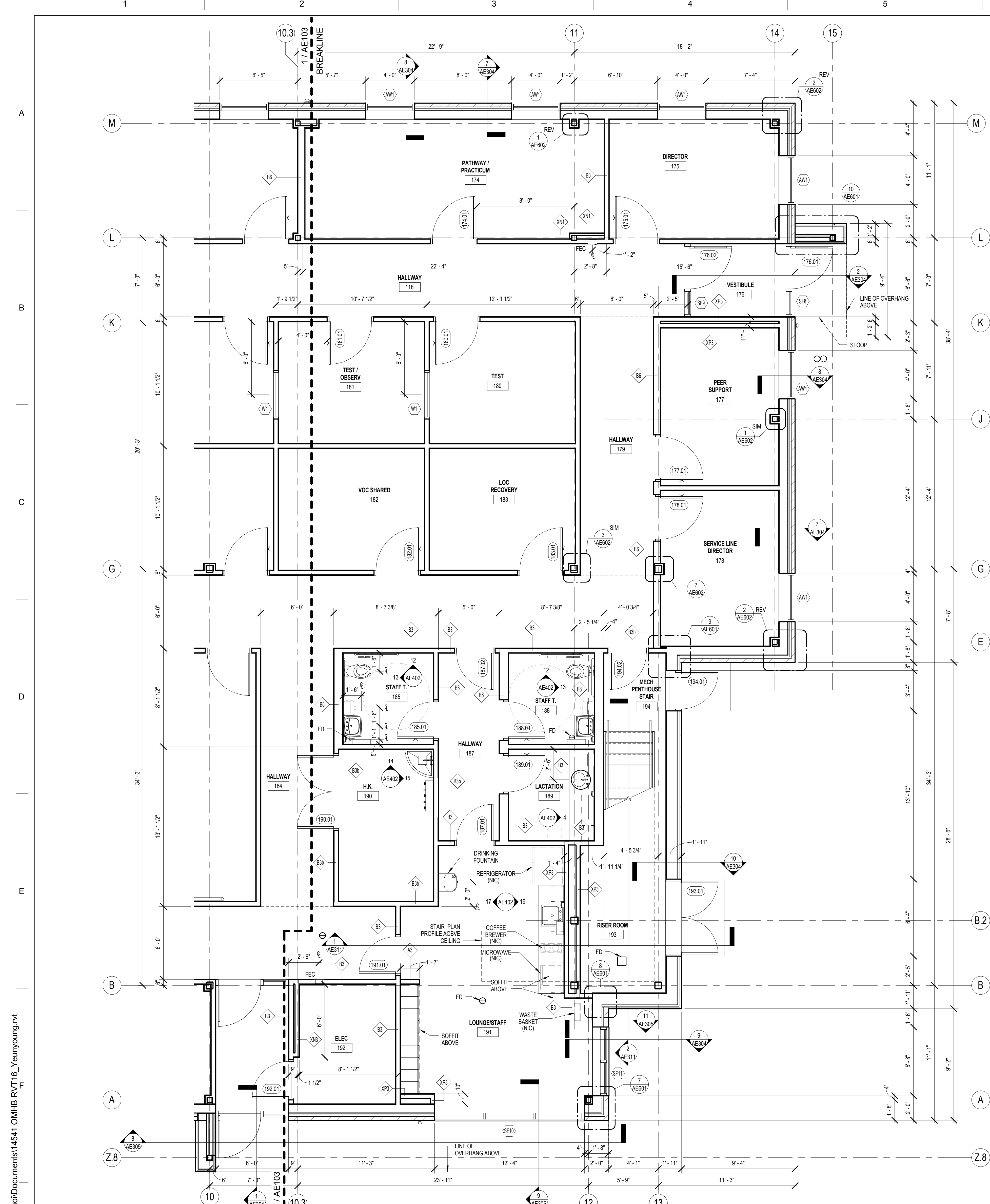
Issue Date
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Checked
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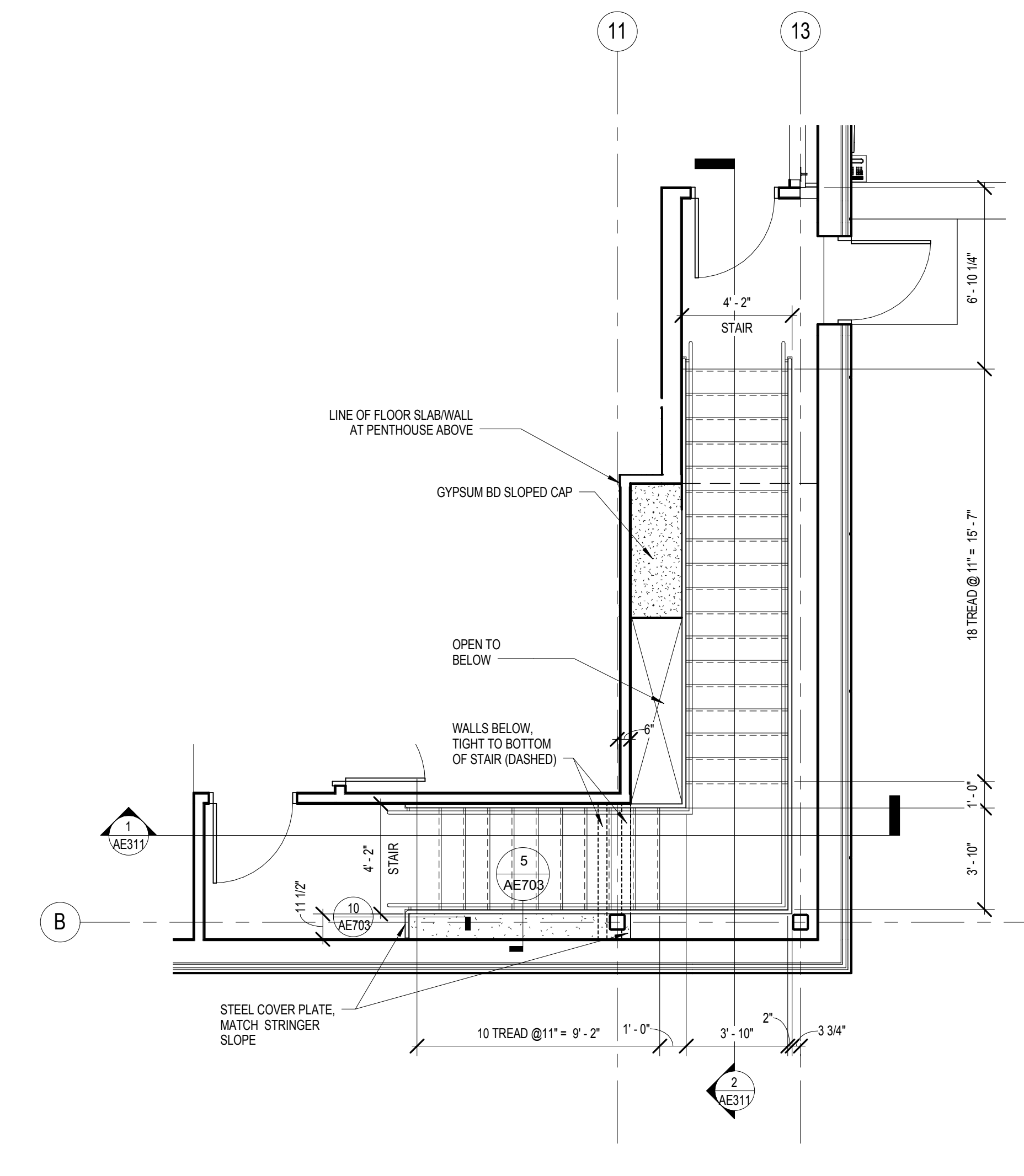
Drawn
 PYC

Drawing Number
AE103

Dwg. 25 of 102



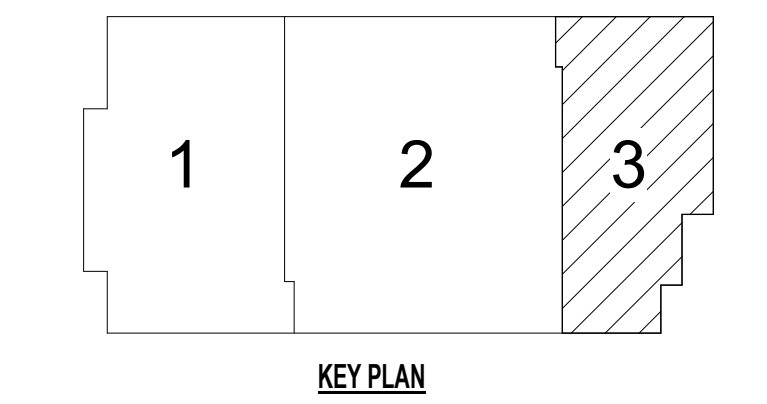
1 PARTIAL FLOOR PLAN - AREA 3
1/4" = 1'-0"



2 ENLARGED FLOOR PLAN - STAIR
1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. FFE = 100'-0", UNLESS NOTED OTHERWISE. SEE C101 GRADING NOTES FOR SITE DATUM.
2. FIRE RATED PARTITIONS SHALL EXTEND TO DECK ABOVE. PENETRATIONS IN FIRE RATED PARTITIONS ARE REQUIRED TO BE SEALED.
3. REFER TO SHEET AE402 FOR MOUNTING HEIGHTS, ACCESSIBLE AND STANDARD FIXTURE, ACCESSORIES AND EQUIPMENT.
4. REFER TO SHEET AE501 FOR PARTITION TYPES, TYPICAL PARTITION TYPE ARE 'B3' UNLESS NOTED OTHERWISE.
5. REFER TO SHEET AE502 FOR DOOR SCHEDULES.
6. REFER TO SHEET AE503 FOR DOOR TYPES AND WINDOW TYPES.
7. PROVIDE FIRE SAFING MATERIAL AT RATED WALL JOINTS AND PENETRATIONS - REFER TO SHEET 1G1014 AND 2IG1014 FOR LOCATION OF RATED WALLS.
8. REFER SHEET 1Q10102 FOR FURNITURE PLAN - REFERENCE ONLY.
9. REFER TO SHEET 1Q10101 FOR EQUIPMENT PLAN.
10. REFER TO 1A2501 & 2A501 FOR TYPICAL DIMENSION OF DOOR LOCATION UNLESS NOTED OTHERWISE.



NOT FOR CONSTRUCTION

10/05/2018 12:16:22 PM C:\Users\pcha\Documents\14541 OMHB RVJT16_ Yeunyoung.rvt

Revisions	Date

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Stamp: REGISTERED PROFESSIONAL ARCHITECT
 REG. NO. 8733
 Paul D. Dahlberg
 10-1-2018

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

AE PROJECT NO.: 14541

Drawing Title: PARTIAL FLOOR PLAN - AREA 3

Approved: Project Director

Phase: 100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title: Outpatient Mental Health Building

Location: 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date: 10/01/2018

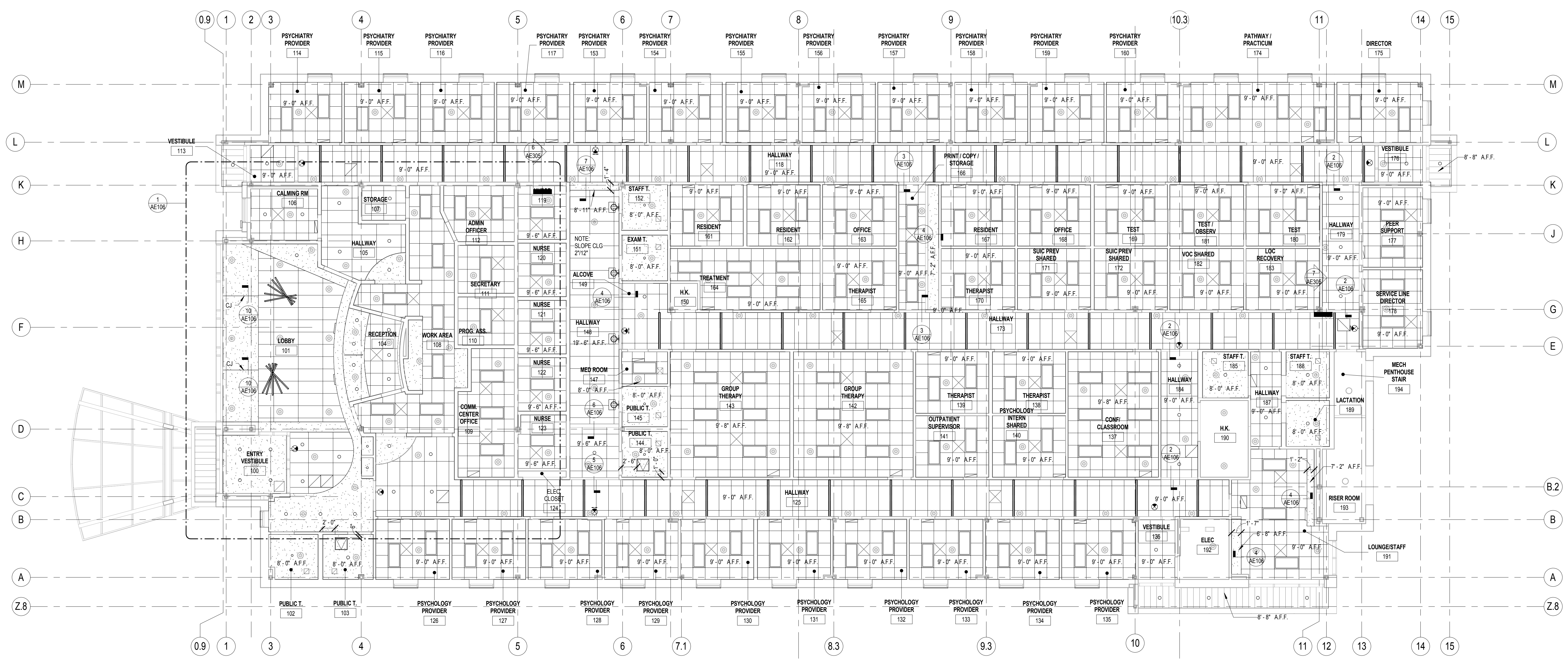
Checked: PDD
 Drawn: PYC

Project Number: VA #438-450

Building Number: [Blank]

Drawing Number: AE104

Dwg. 26 of 102

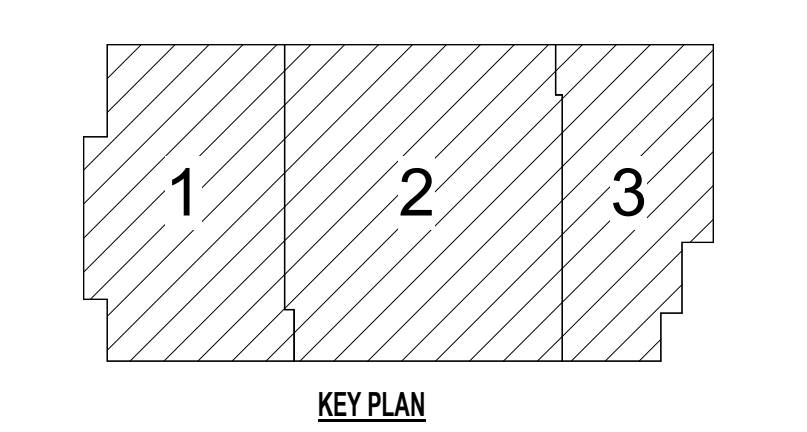
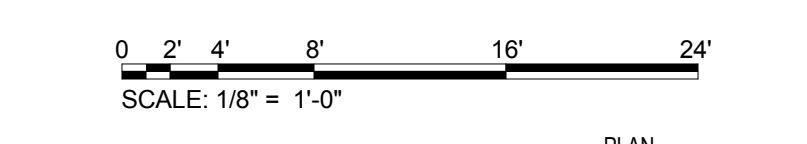
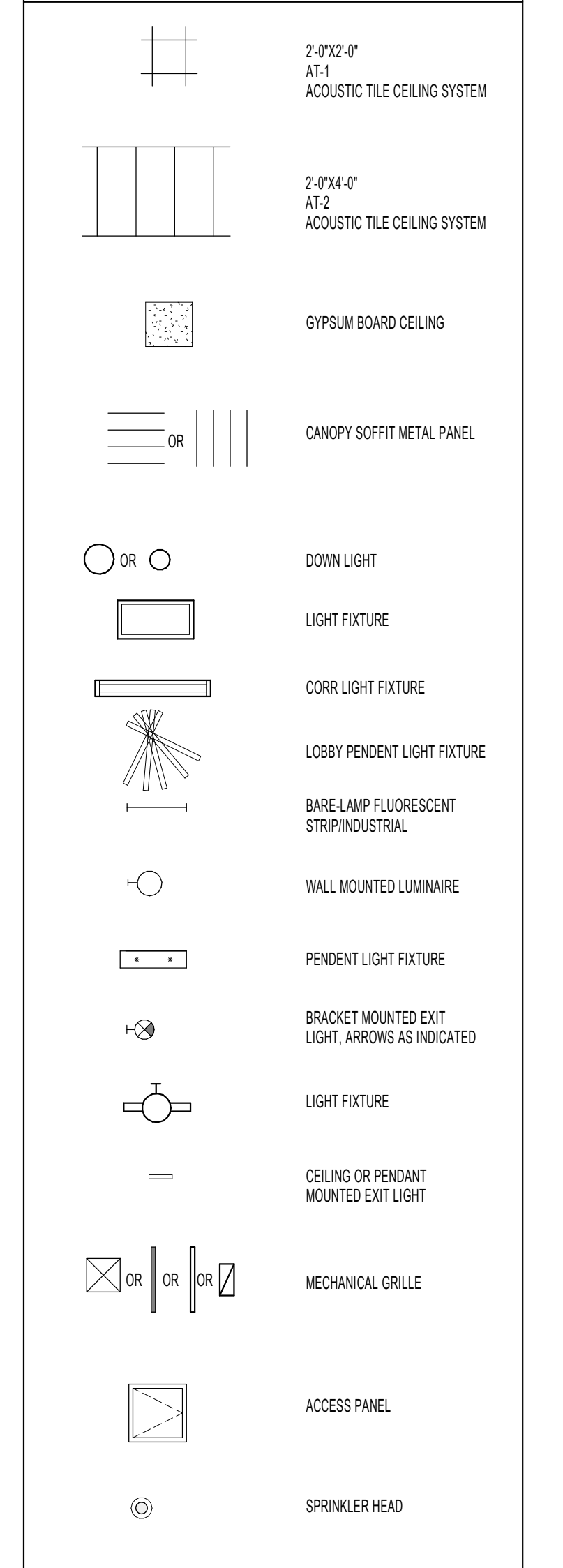


1 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. CEILING GRIDS SHALL BE SYMMETRICAL IN ROOM WITH AT LEAST 1/2 TILE AT EDGE UNLESS SHOWN OTHERWISE
2. NOT USED
3. LOCATE ALL CEILING-MOUNTED ITEMS IN THE CENTER OF CEILING TILE OR SOFFIT UNLESS NOTED OTHERWISE
4. COORDINATE ALL LOCATIONS, SIZES AND SUPPORT REQUIREMENTS FOR CEILING MOUNTED EQUIPMENT WITH SUPPLIER AND OWNER
5. SPRINKLER HEADS SHALL BE COORDINATED W/ SPRINKLER CONTRACTOR
6. PROVIDE 24X24" UNLESS NOTED ACCESS PANELS IN GYP BD CEILING AS INDICATED ON REFLECTED CEILING PLAN. VERIFY LOCATION OF ACCESS PANELS WITH MECHANICAL AND ELECTRICAL

REFLECTED CEILING LEGEND



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Revisions	Date

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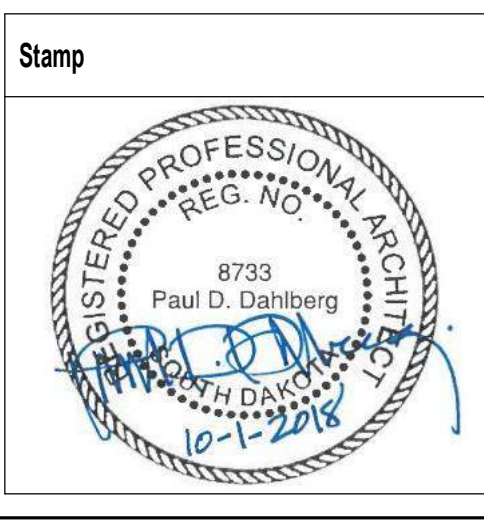
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FIRST FLOOR REFLECTED CEILING PLAN

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
VA #438-450

Building Number

Location
2501 W 22nd St, Sioux Falls, SD, 57105

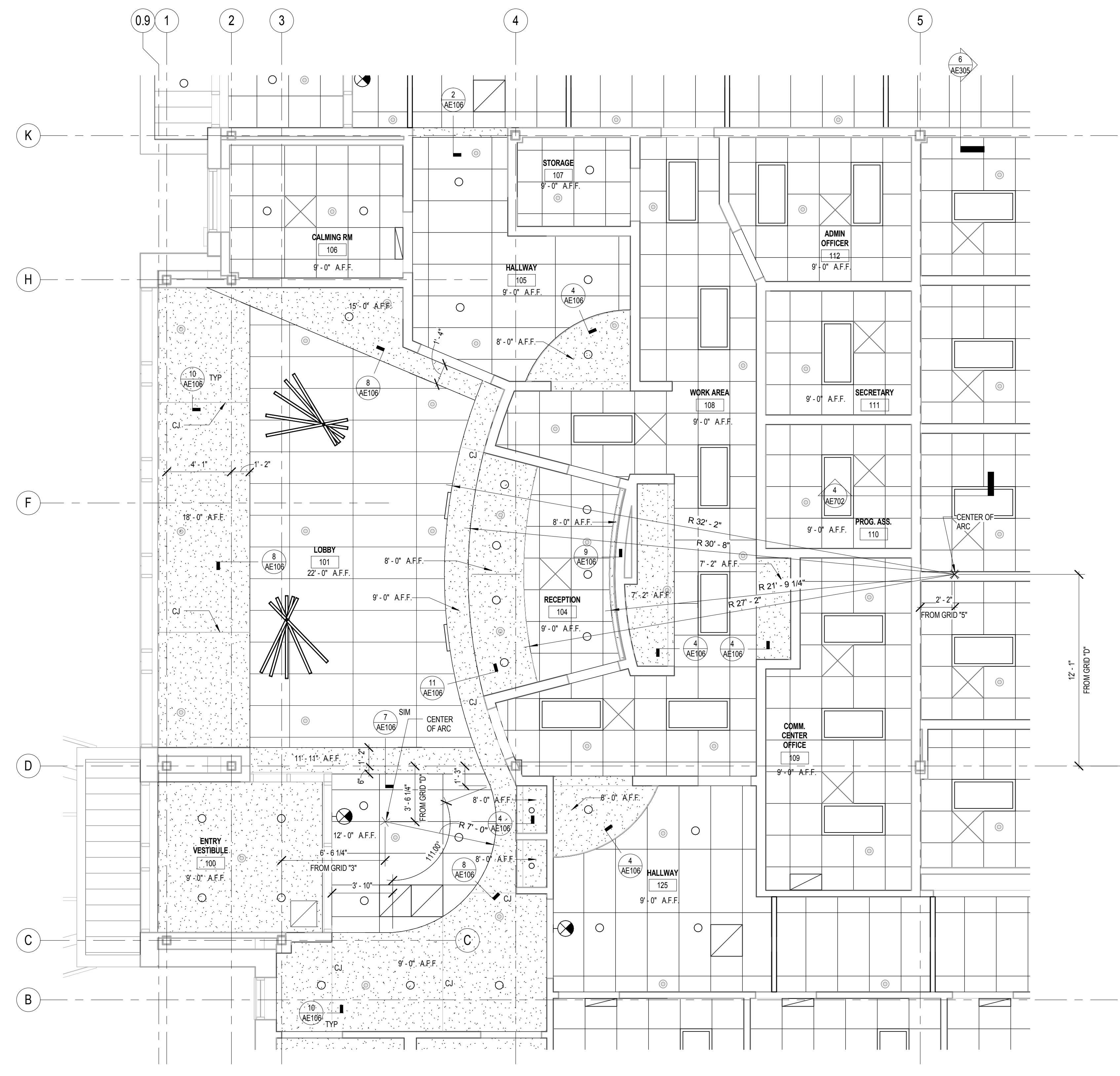
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Checked
PDD

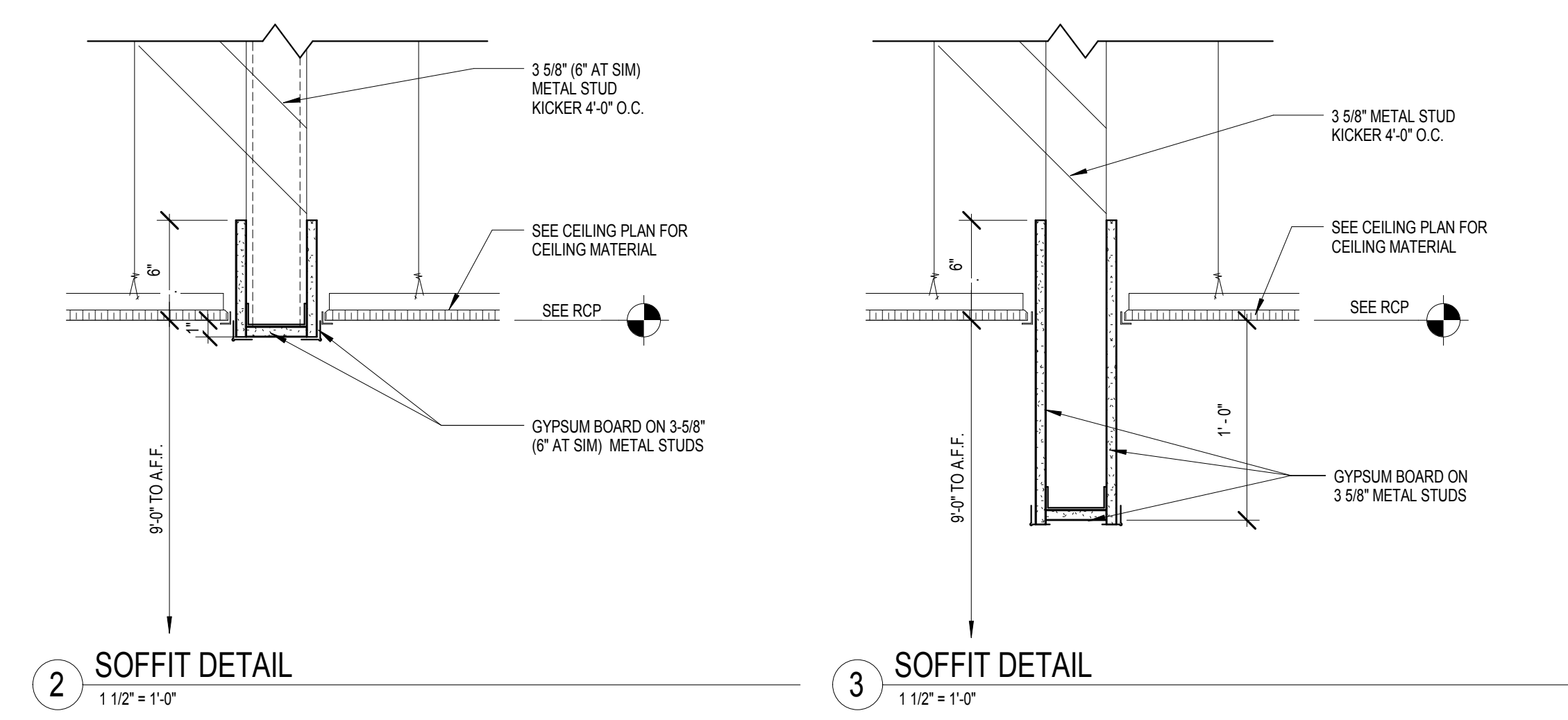
Drawn
PYC

Drawing Number
AE105

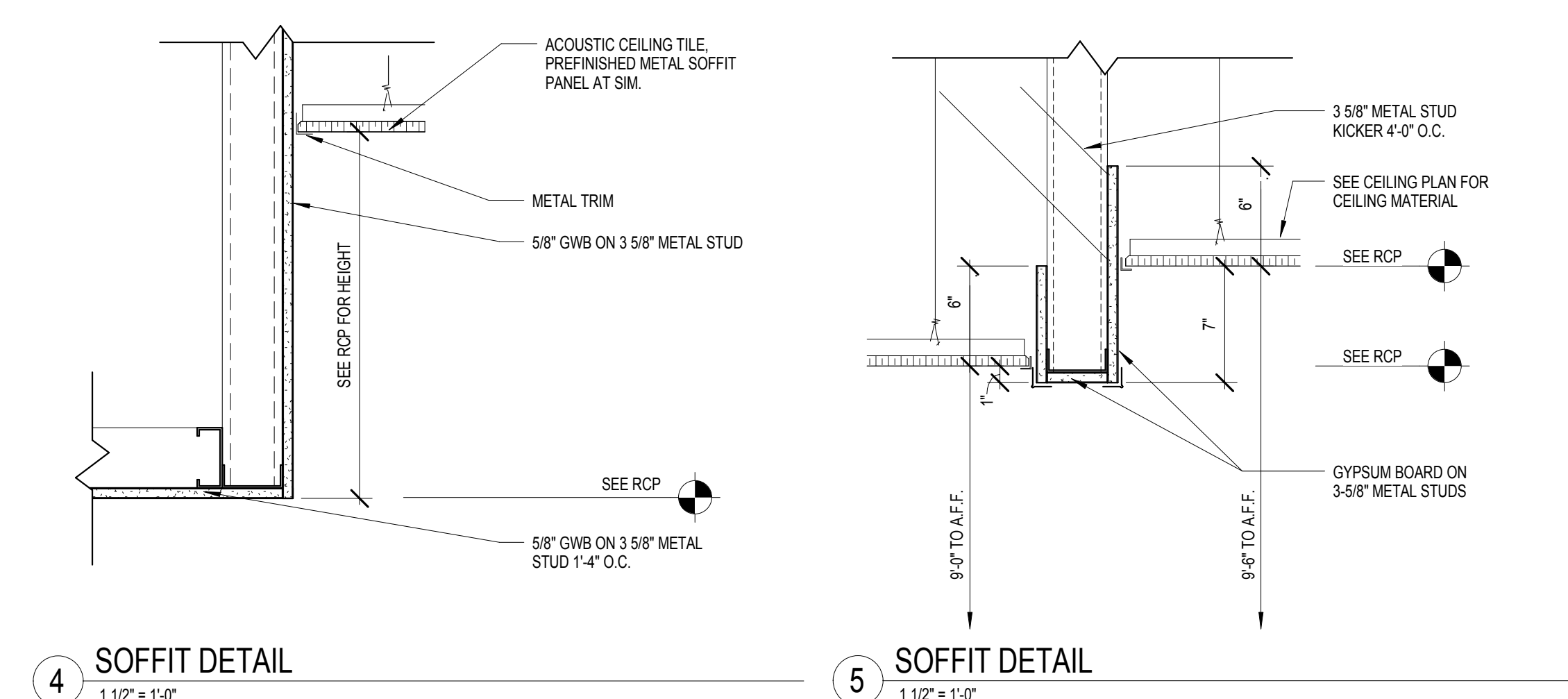
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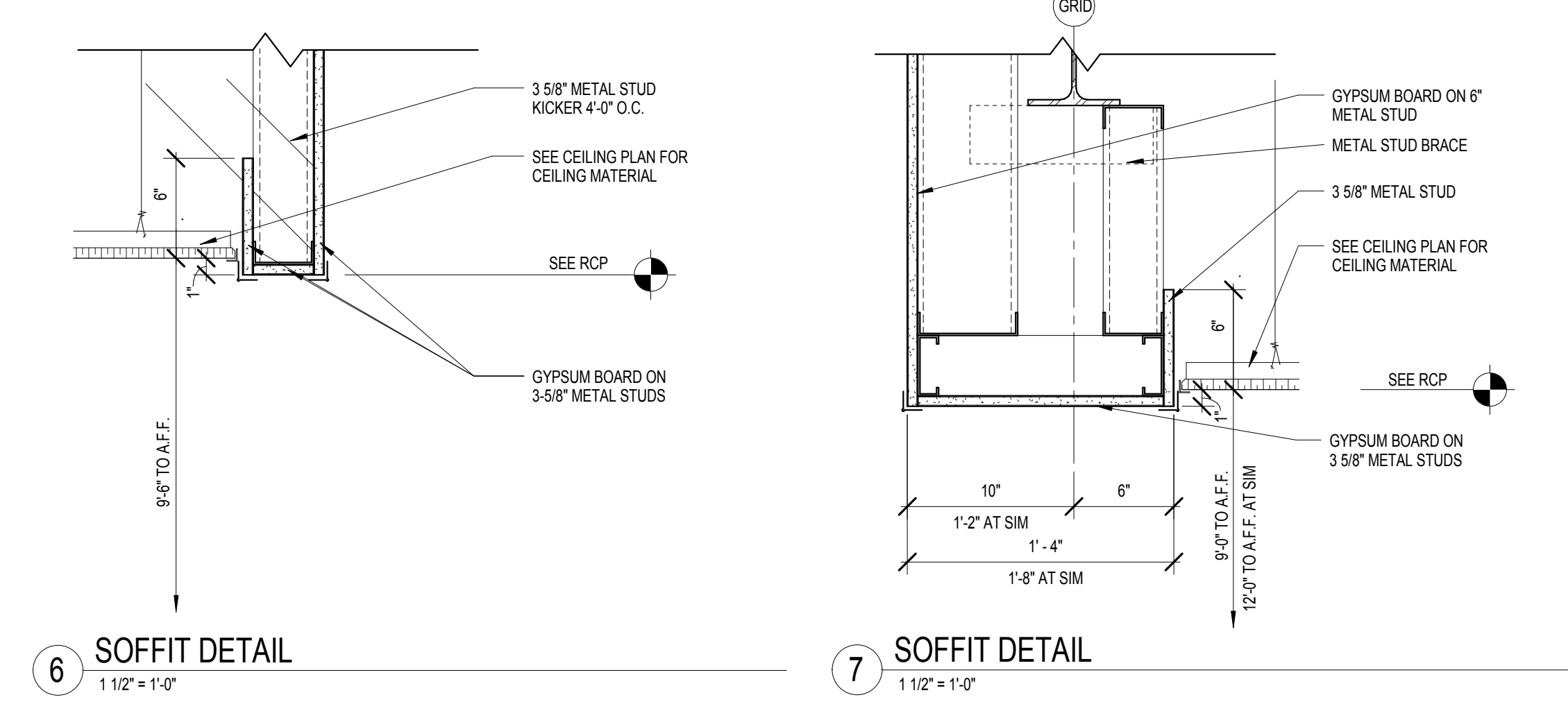
1 ENLARGED REFLECTED CEILING PLAN - LOBBY
1/4" = 1'-0"



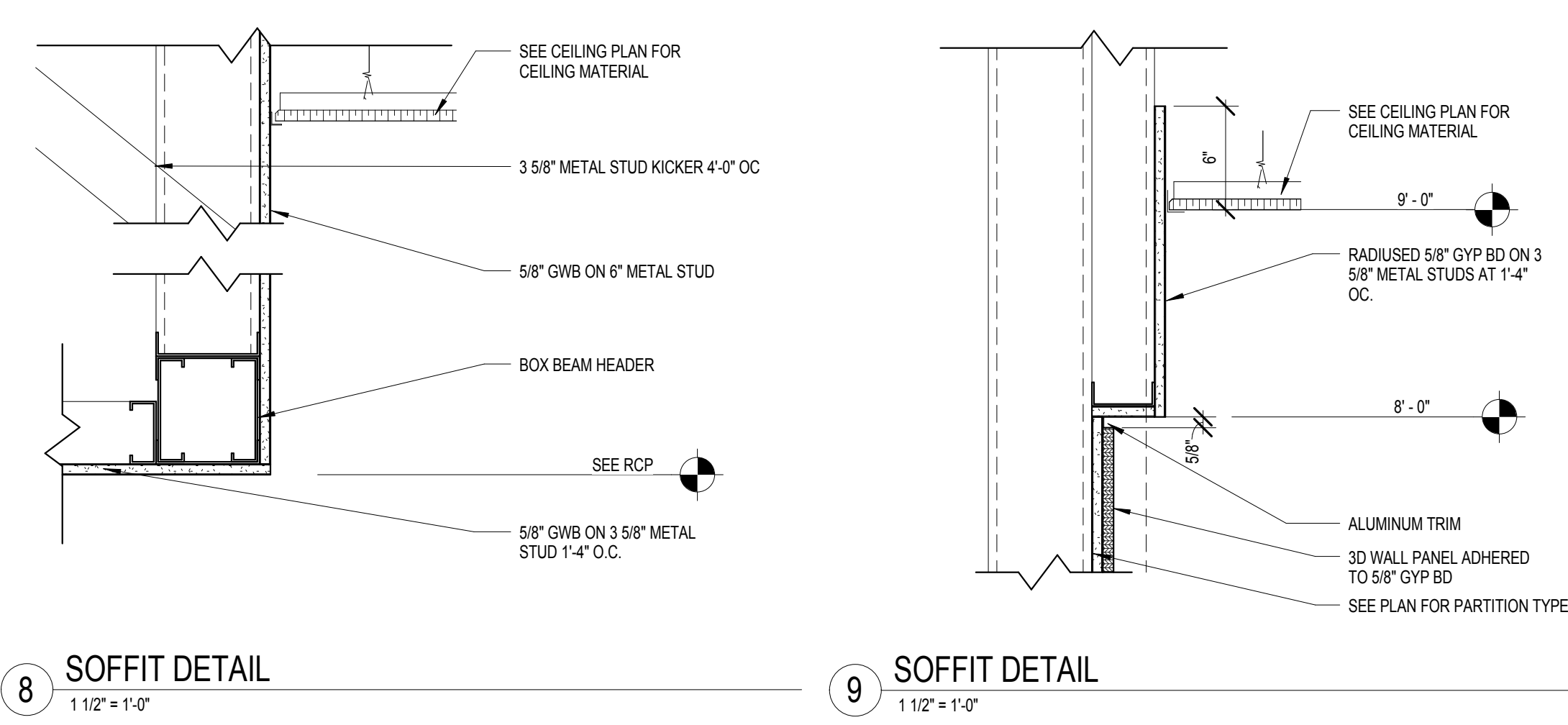
2 SOFFIT DETAIL 1 1/2" = 1'-0"
3 SOFFIT DETAIL 1 1/2" = 1'-0"



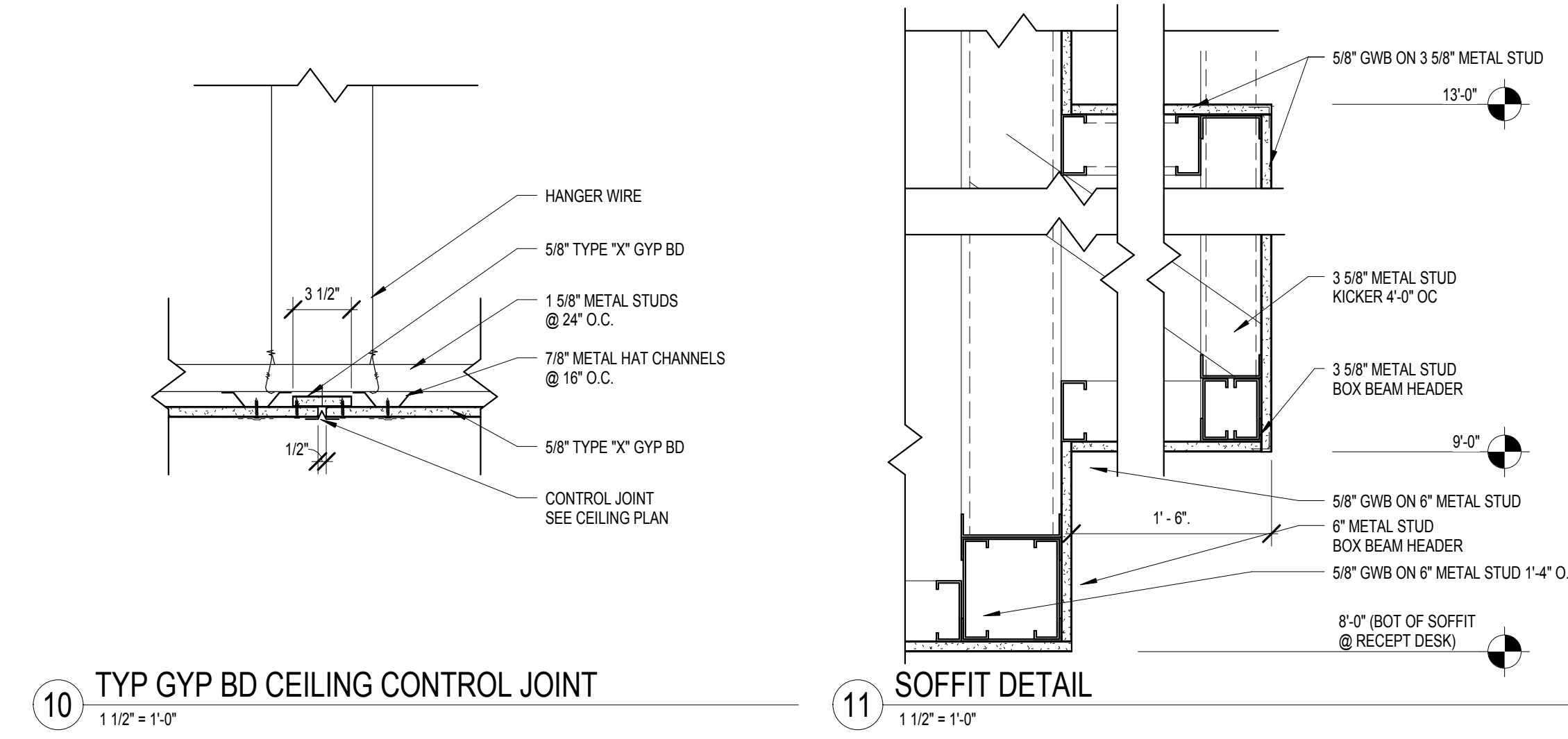
4 SOFFIT DETAIL 1 1/2" = 1'-0"
5 SOFFIT DETAIL 1 1/2" = 1'-0"



6 SOFFIT DETAIL 1 1/2" = 1'-0"
7 SOFFIT DETAIL 1 1/2" = 1'-0"



8 SOFFIT DETAIL 1 1/2" = 1'-0"
9 SOFFIT DETAIL 1 1/2" = 1'-0"

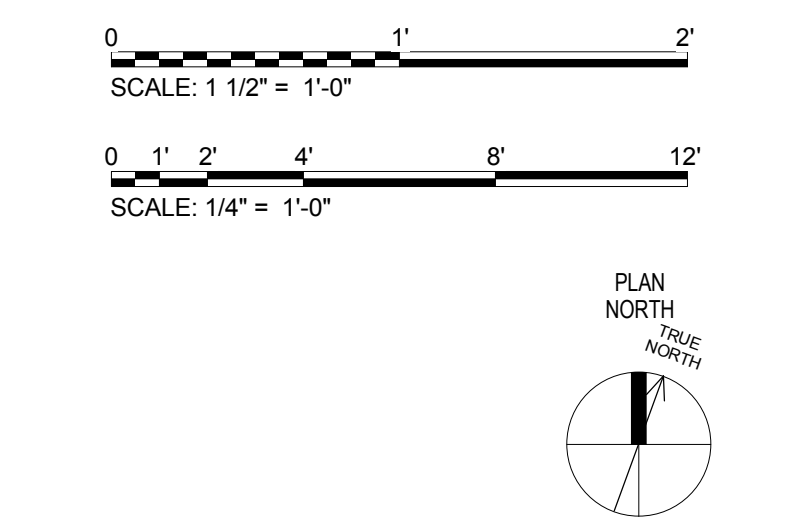
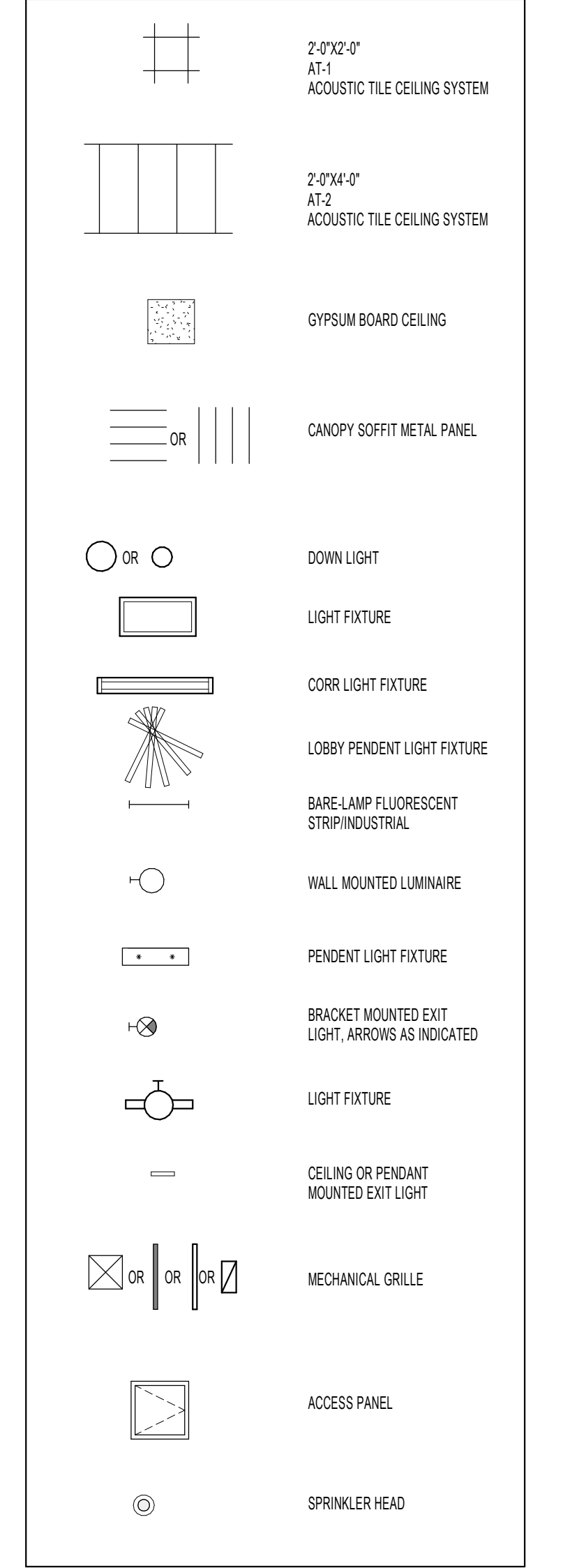


10 TYP GYP BD CEILING CONTROL JOINT 1 1/2" = 1'-0"
11 SOFFIT DETAIL 1 1/2" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. CEILING GRIDS SHALL BE SYMMETRICAL IN ROOM W/AT LEAST 1/2 TILE AT EDGE UNLESS SHOWN OTHERWISE
2. NOT USED
3. LOCATE ALL CEILING-MOUNTED ITEMS IN THE CENTER OF CEILING TILE OR SOFFIT UNLESS NOTED OTHERWISE
4. COORDINATE ALL LOCATIONS, SIZES AND SUPPORT REQUIREMENTS FOR CEILING MOUNTED EQUIPMENT WITH SUPPLIER AND OWNER
5. SPRINKLER HEADS SHALL BE COORDINATED W/ SPRINKLER CONTRACTOR
6. PROVIDE 24" X 24" (UNLESS NOTED) ACCESS PANELS IN GYP BD CEILING AS INDICATED ON REFLECTED CEILING PLAN. VERIFY LOCATION OF ACCESS PANELS WITH MECHANICAL AND ELECTRICAL

REFLECTED CEILING LEGEND



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Revisions	Date

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AE PROJECT NO.: 14541

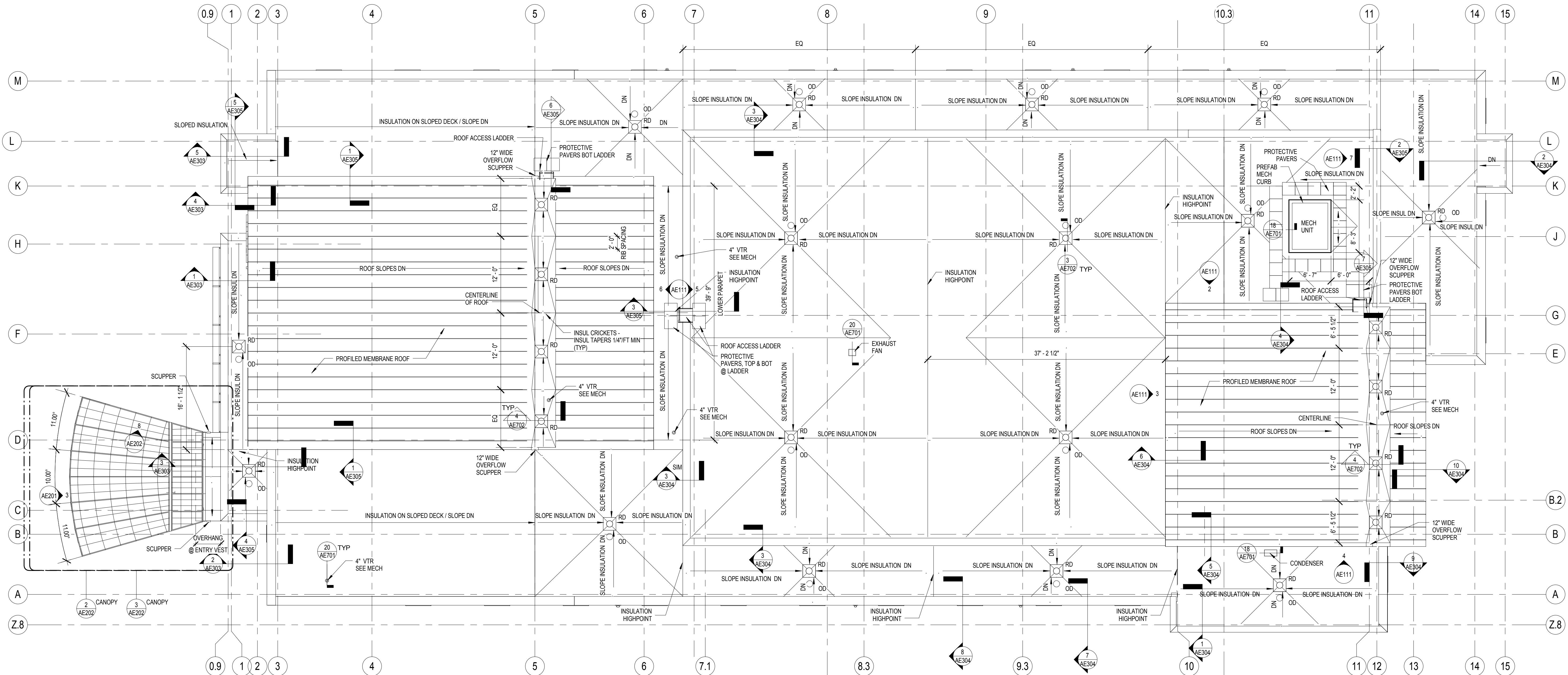
Stamp: REGISTERED PROFESSIONAL ARCHITECT
 REG. NO. 8733
 Paul D. Dahlberg
 10-1-2018

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

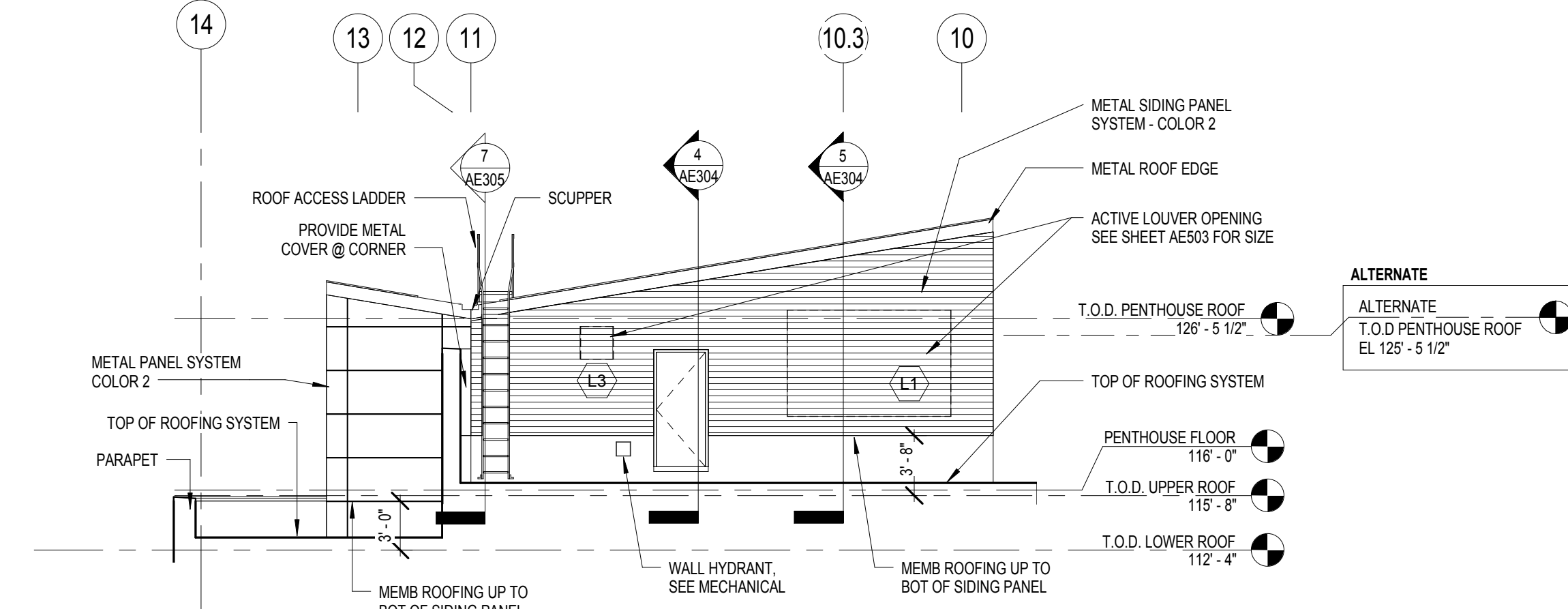
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 Approved: Project Director

Phase: 100% BID DOCUMENTS
 FULLY SPRINKLERED

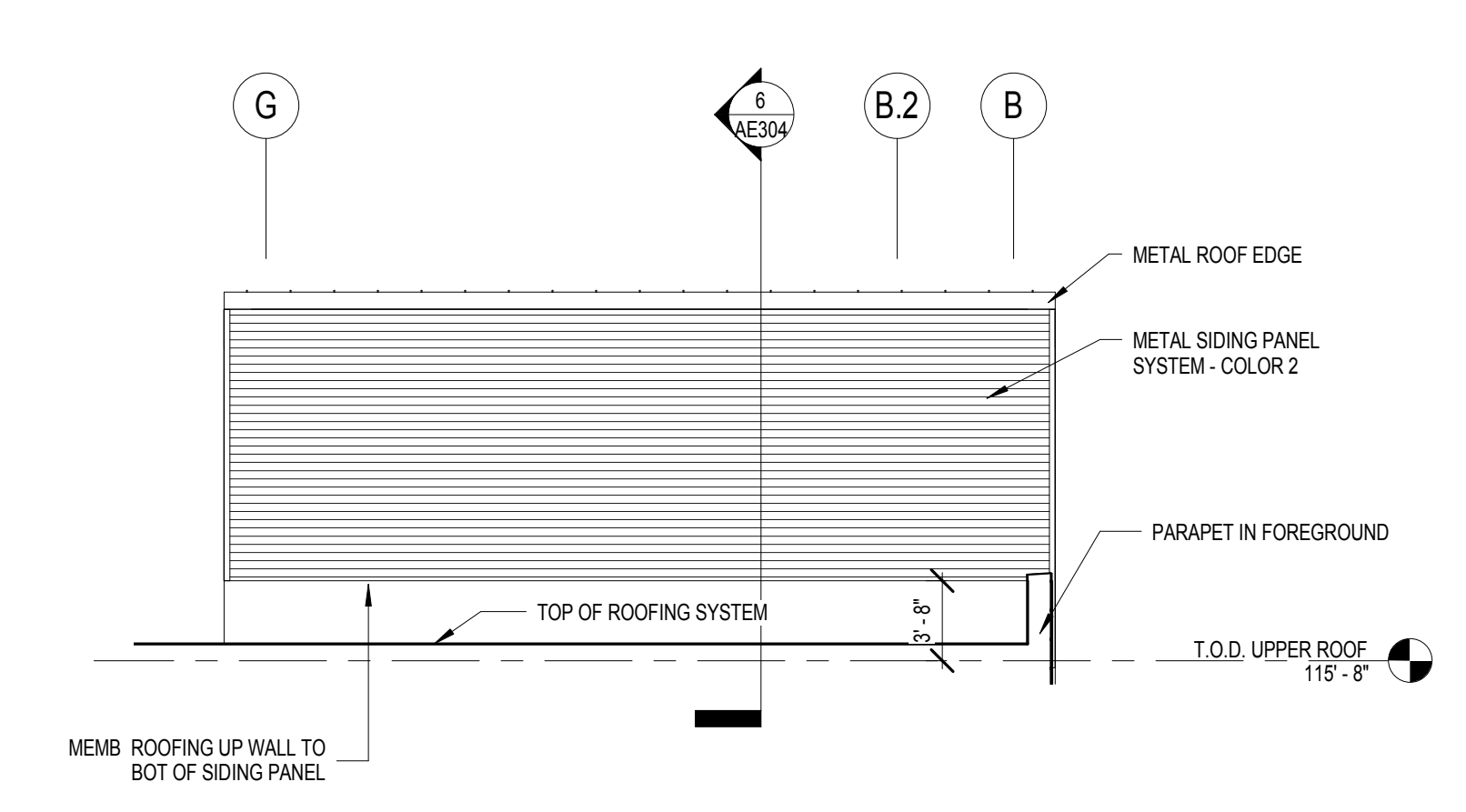
Project Title: Outpatient Mental Health Building
 Project Number: VA #438-450
 Building Number: Drawing Number: AE106
 Location: 2501 W 22nd St, Sioux Falls, SD, 57105
 Issue Date: 10/01/2018
 Checked: PDD
 Drawn: PYC
 Dwg. 28 of 102



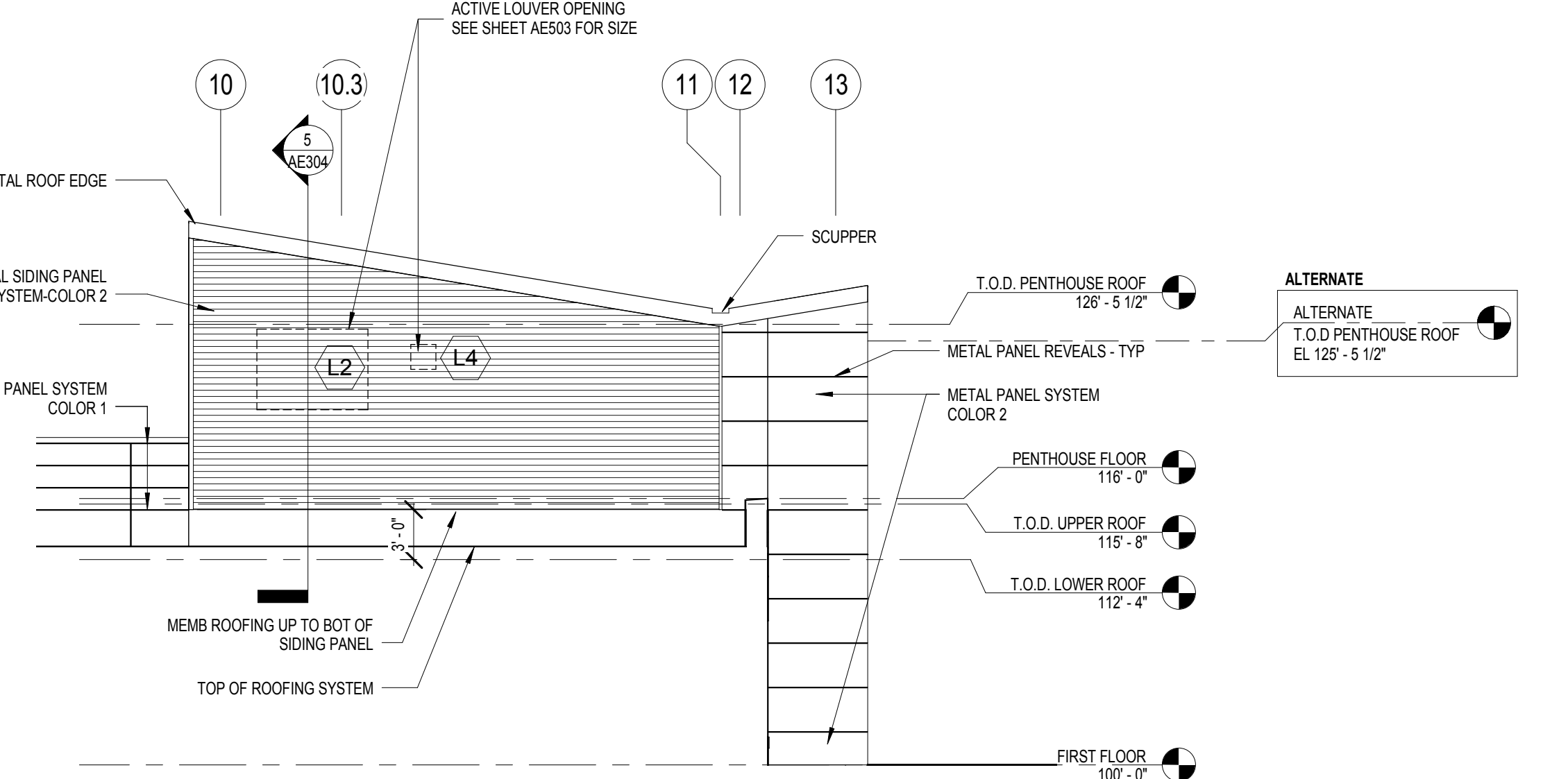
1 ROOF PLAN
1/8" = 1'-0"



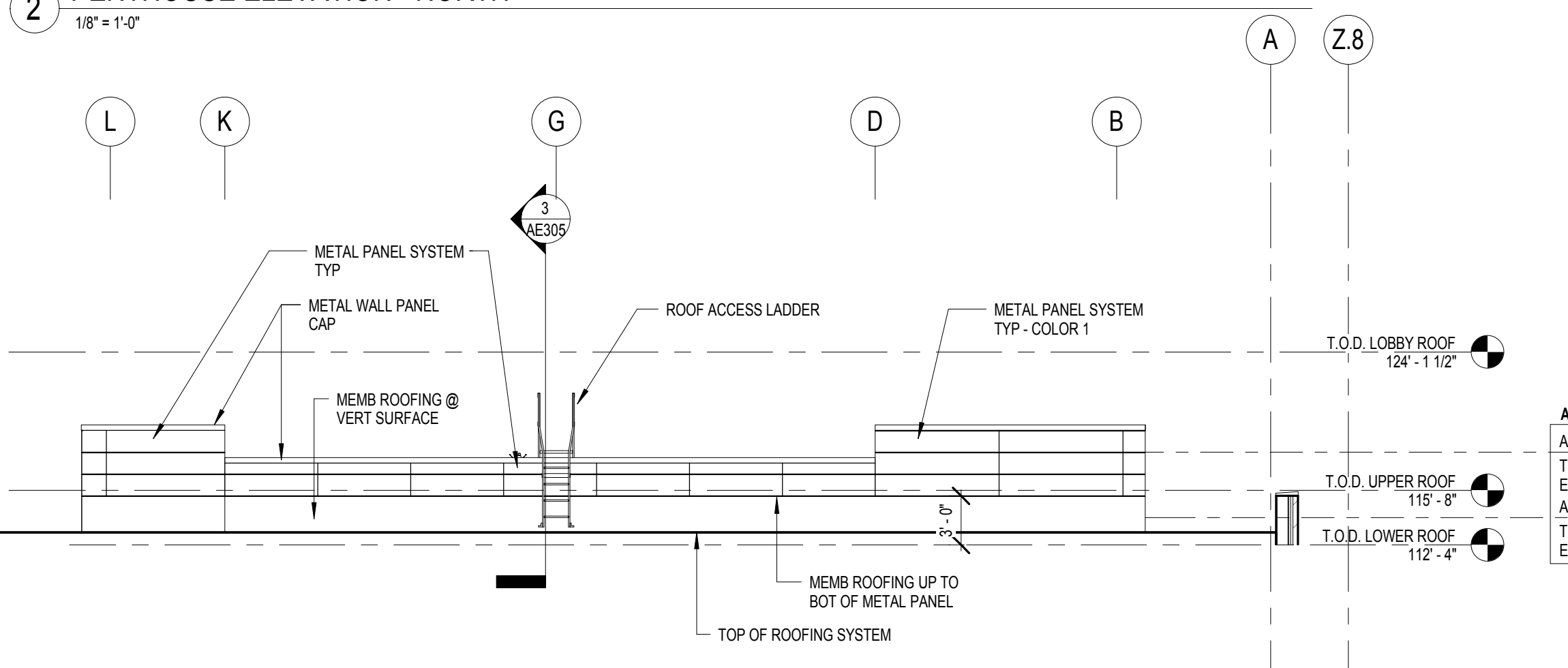
2 PENTHOUSE ELEVATION - NORTH
1/8" = 1'-0"



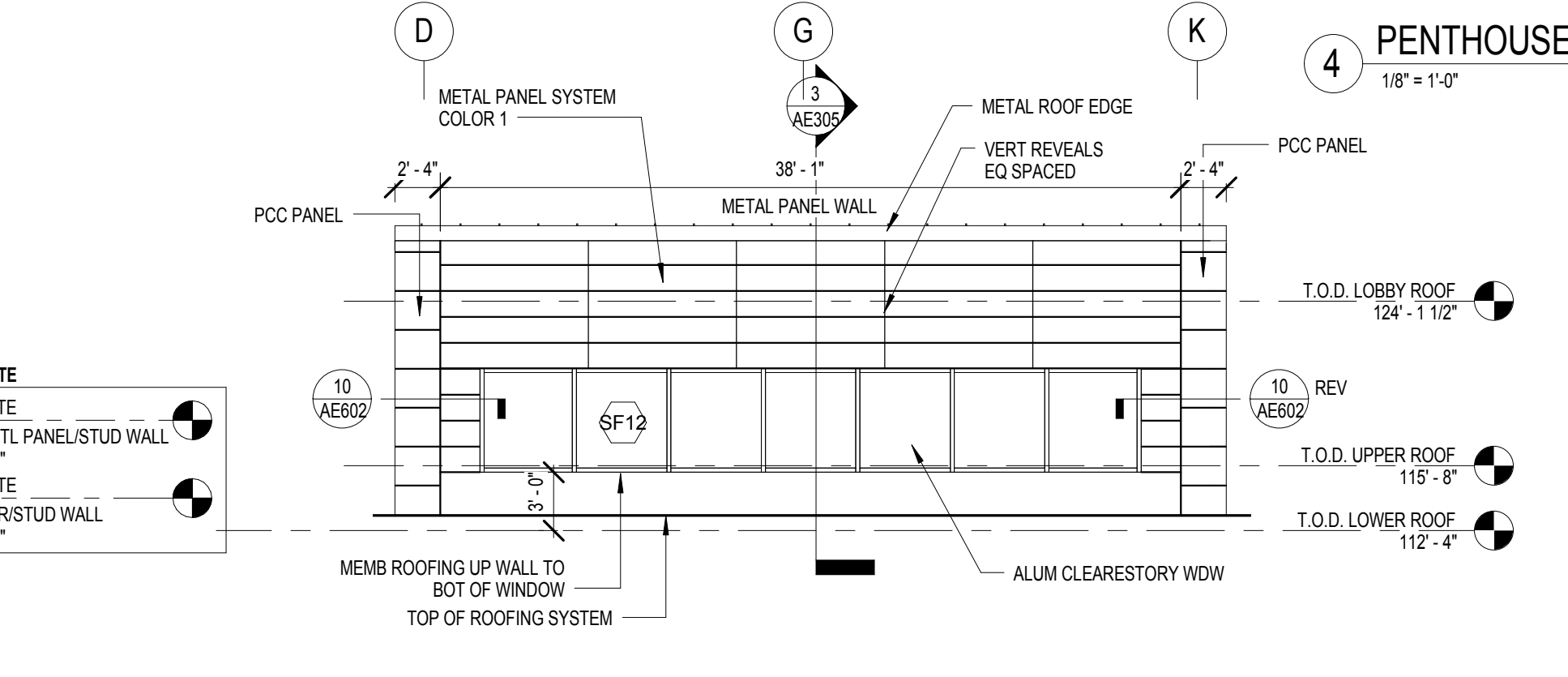
3 PENTHOUSE ELEVATION - WEST
1/8" = 1'-0"



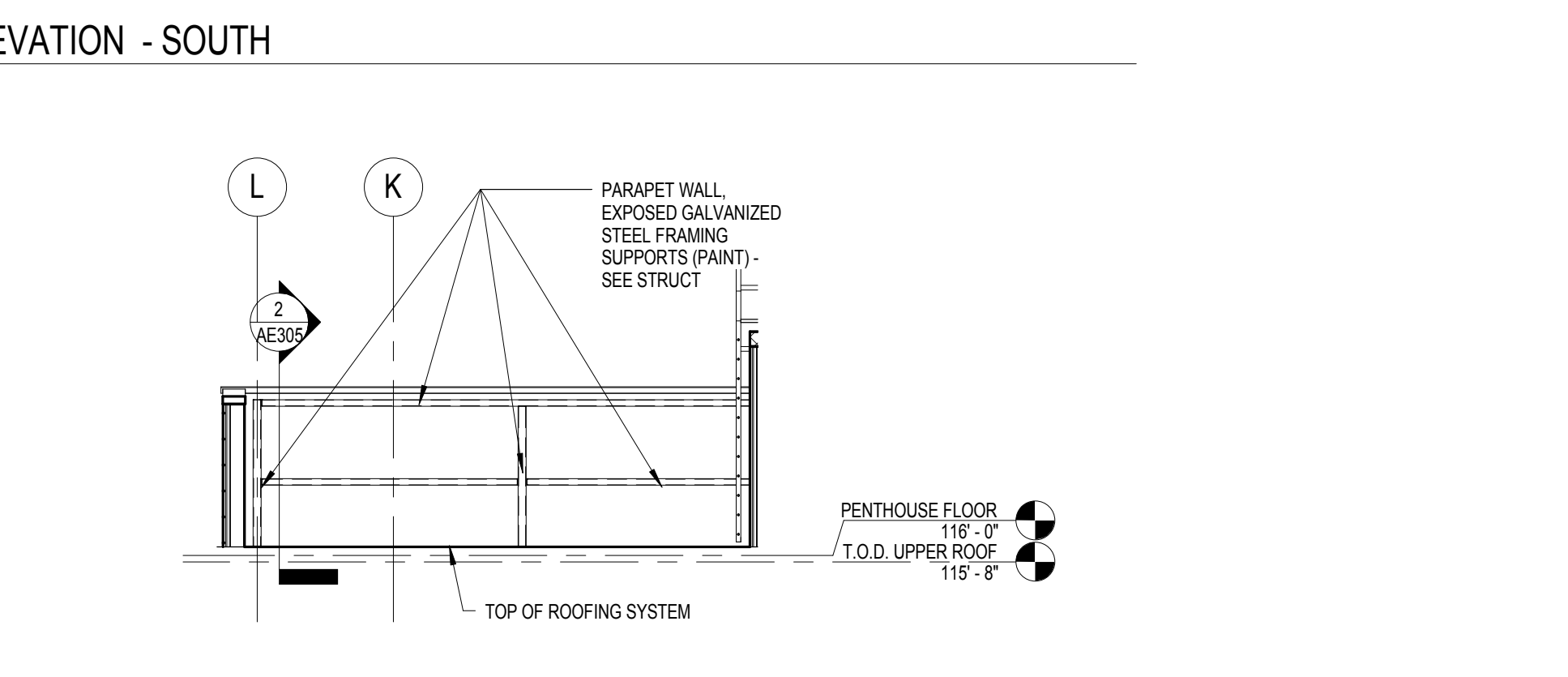
4 PENTHOUSE ELEVATION - SOUTH
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5 UPPER PARAPET ELEVATION - WEST
1/8" = 1'-0"

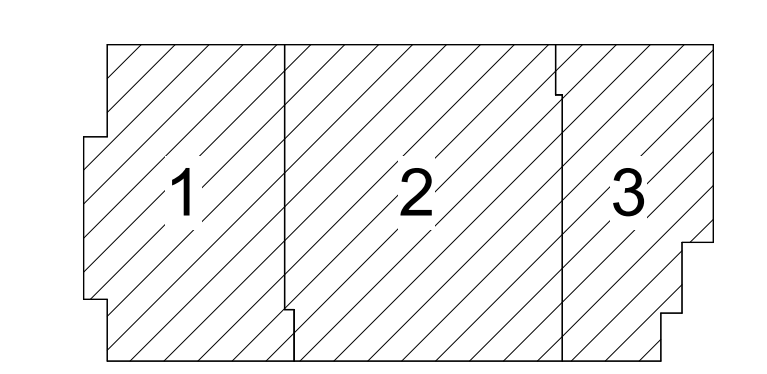
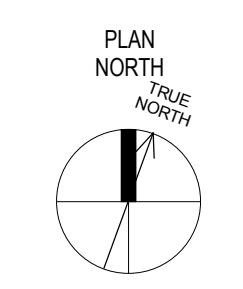


6 EXTERIOR ELEVATION - CLERESTORY
1/8" = 1'-0"



7 PARAPET ELEVATION - STRUCTURAL SUPPORT
1/8" = 1'-0"

"AN ALTERNATE APPLIES TO THE HEIGHT OF VARIOUS PORTIONS OF THE BUILDING. SEE SPEC SECTION 01 23 00 ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ALTERNATE."



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10/05/2018 12:16:31 PM C:\Users\pcha\Documents\14541 ONHIB RVJT16_1_Young.dwt

Revisions	Date

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Stamp: REGISTERED PROFESSIONAL ARCHITECT
 REG. NO. 8733
 Paul D. Dahlberg
 10-1-2018

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

AE PROJECT NO.: 14541

Drawing Title
ROOF PLAN & EXTERIOR ELEVATIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

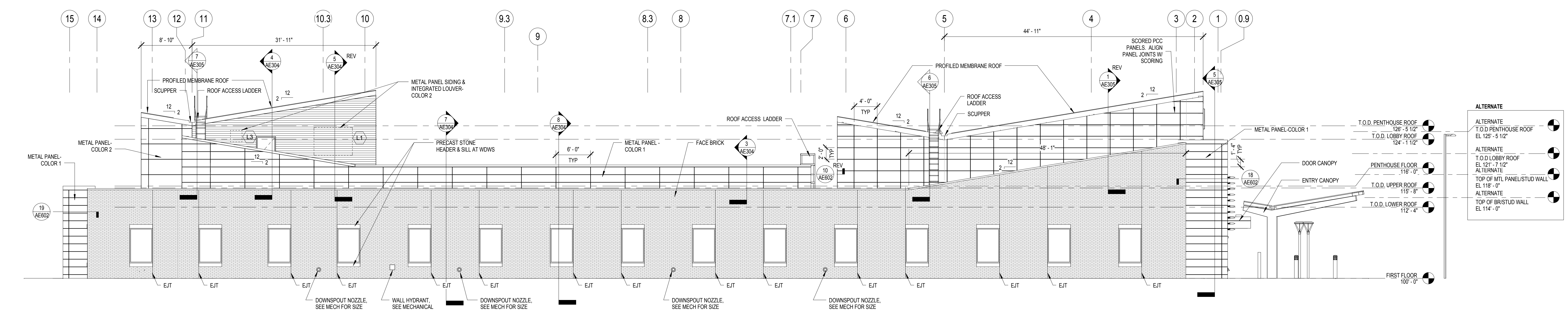
Drawn
 MMM

Project Number
 VA #438-450

Building Number

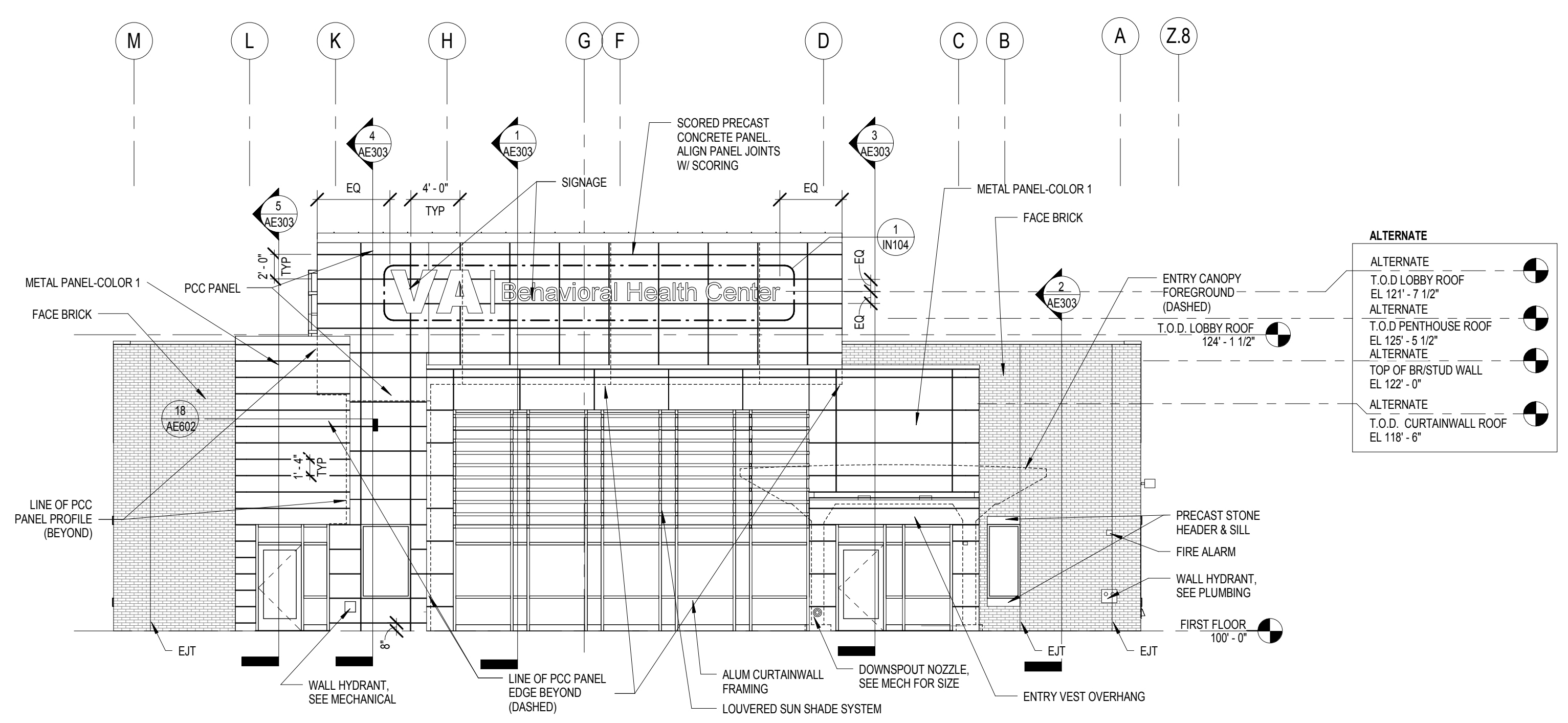
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Dwg. 29 of 102



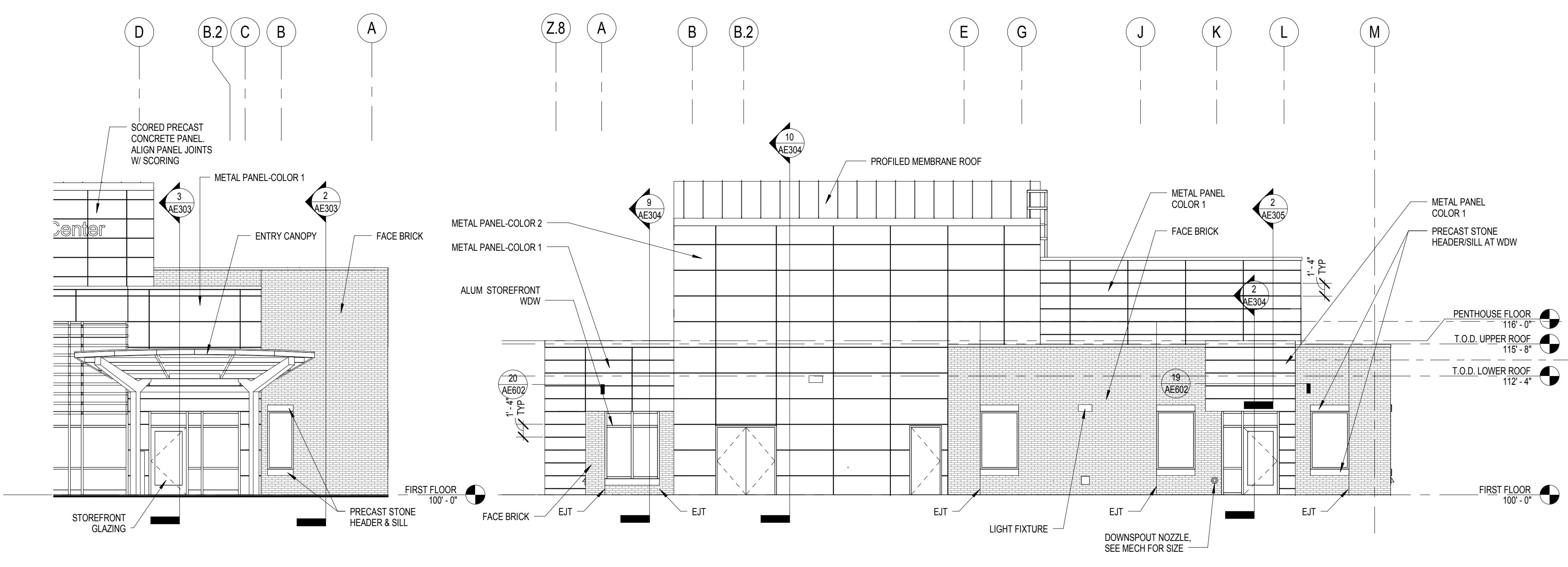
1 NORTH ELEVATION
1/8" = 1'-0"

ALTERNATE	T.O.D. PENTHOUSE ROOF	EL. 125' - 5 1/2"
ALTERNATE	T.O.D. LOBBY ROOF	EL. 124' - 1 1/2"
ALTERNATE	T.O.D. LOBBY ROOF	EL. 121' - 7 1/2"
ALTERNATE	TOP OF MTL PANEL/STUD WALL	EL. 118' - 0"
ALTERNATE	T.O.D. UPPER ROOF	EL. 115' - 8"
ALTERNATE	T.O.D. LOWER ROOF	EL. 112' - 4"
ALTERNATE	TOP OF BRISTUD WALL	EL. 114' - 0"



2 WEST ELEVATION
1/8" = 1'-0"

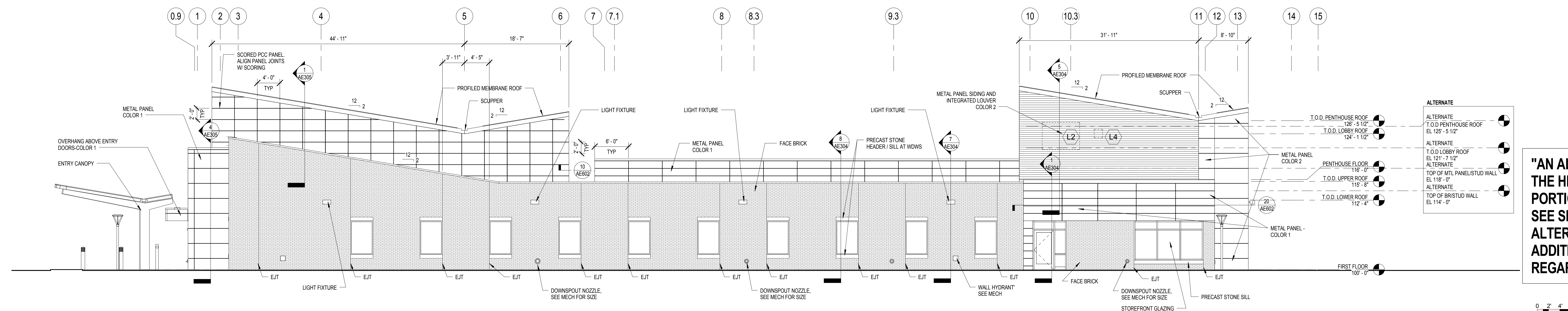
ALTERNATE	T.O.D. LOBBY ROOF	EL. 121' - 7 1/2"
ALTERNATE	T.O.D. PENTHOUSE ROOF	EL. 125' - 5 1/2"
ALTERNATE	TOP OF BRISTUD WALL	EL. 118' - 0"
ALTERNATE	T.O.D. CURTAINWALL ROOF	EL. 118' - 6"



3 EXTERIOR ELEVATION - ENTRY CANOPY
1/8" = 1'-0"

ALTERNATE	TOP OF MTL PANEL/STUD WALL	EL. 118' - 0"
ALTERNATE	T.O.D. UPPER ROOF	EL. 115' - 8"
ALTERNATE	T.O.D. LOWER ROOF	EL. 112' - 4"
ALTERNATE	TOP OF BRISTUD WALL	EL. 114' - 0"

4 EAST ELEVATION
1/8" = 1'-0"



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

ALTERNATE	T.O.D. PENTHOUSE ROOF	EL. 125' - 5 1/2"
ALTERNATE	T.O.D. LOBBY ROOF	EL. 124' - 1 1/2"
ALTERNATE	T.O.D. LOBBY ROOF	EL. 121' - 7 1/2"
ALTERNATE	TOP OF MTL PANEL/STUD WALL	EL. 118' - 0"
ALTERNATE	T.O.D. UPPER ROOF	EL. 115' - 8"
ALTERNATE	T.O.D. LOWER ROOF	EL. 112' - 4"
ALTERNATE	TOP OF BRISTUD WALL	EL. 114' - 0"

"AN ALTERNATE APPLIES TO THE HEIGHT OF VARIOUS PORTIONS OF THE BUILDING. SEE SPEC SECTION 01 23 00 ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ALTERNATE."

0' 2' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

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Revisions	Date

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AE PROJECT NO.: 14541

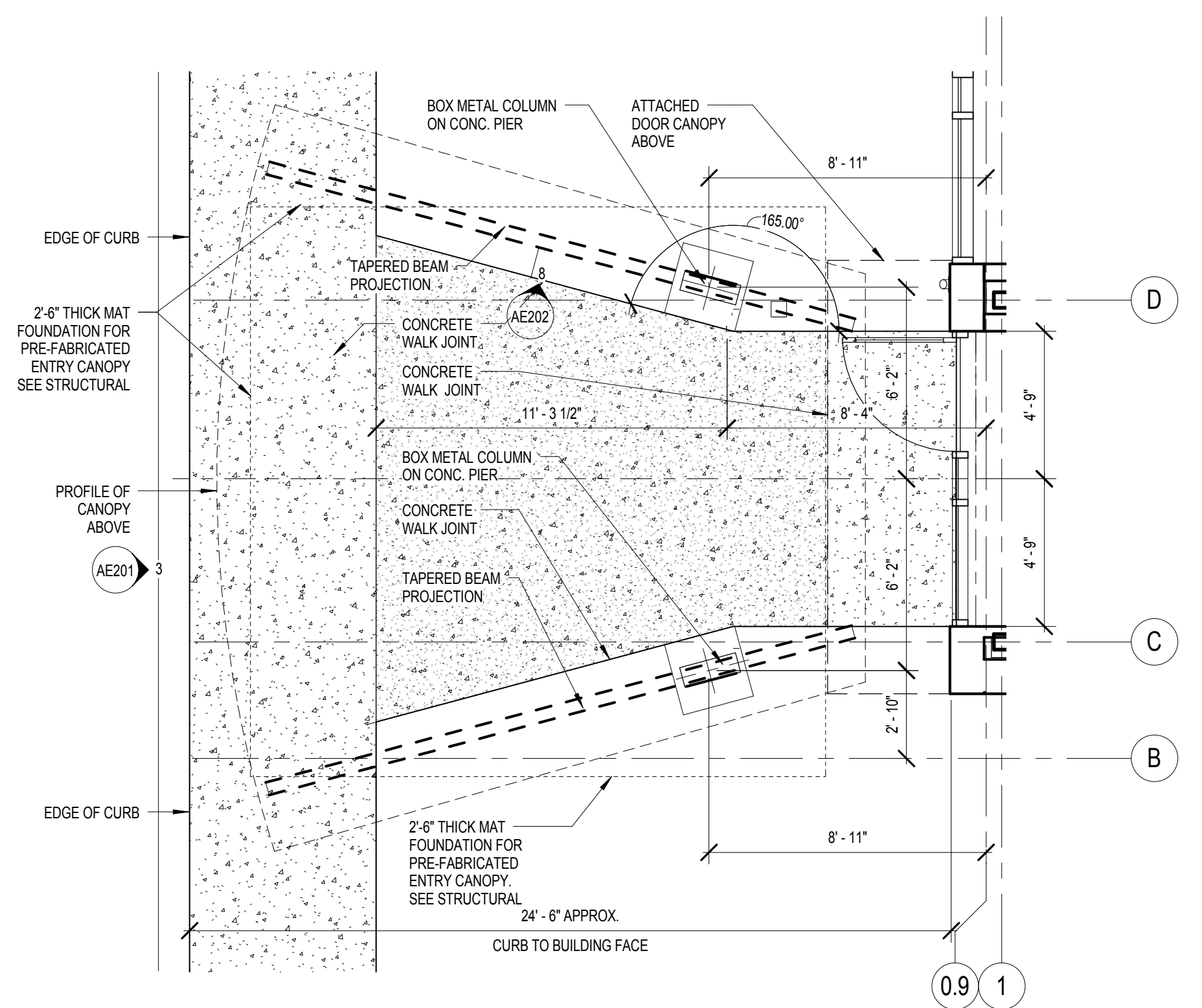
Stamp: REGISTERED PROFESSIONAL ARCHITECT
PAUL D. DAHLBERG
7833 Paul D. Dahlberg
10-1-2018

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

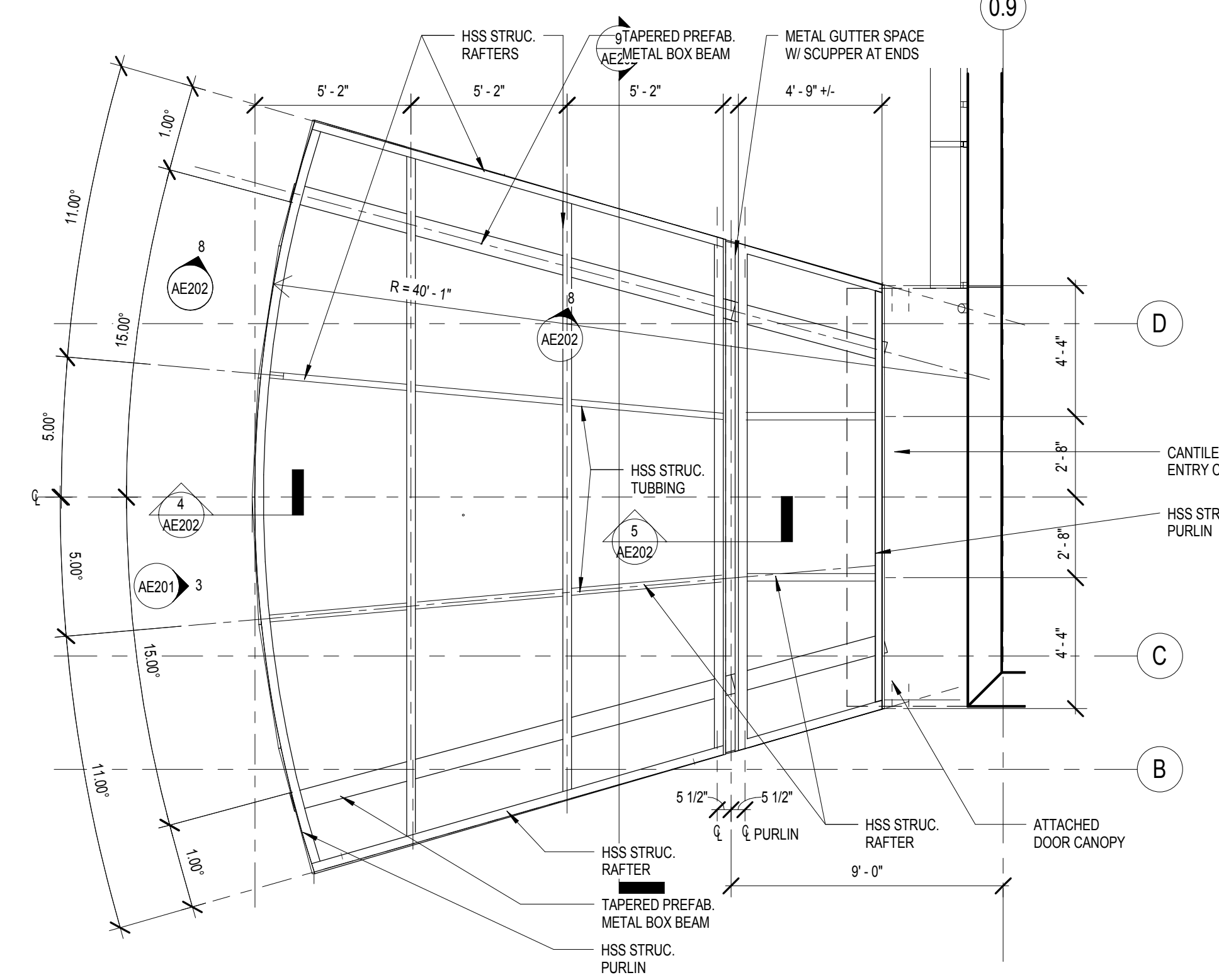
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Approved: Project Director

Phase: **100% BID DOCUMENTS**
FULLY SPRINKLERED

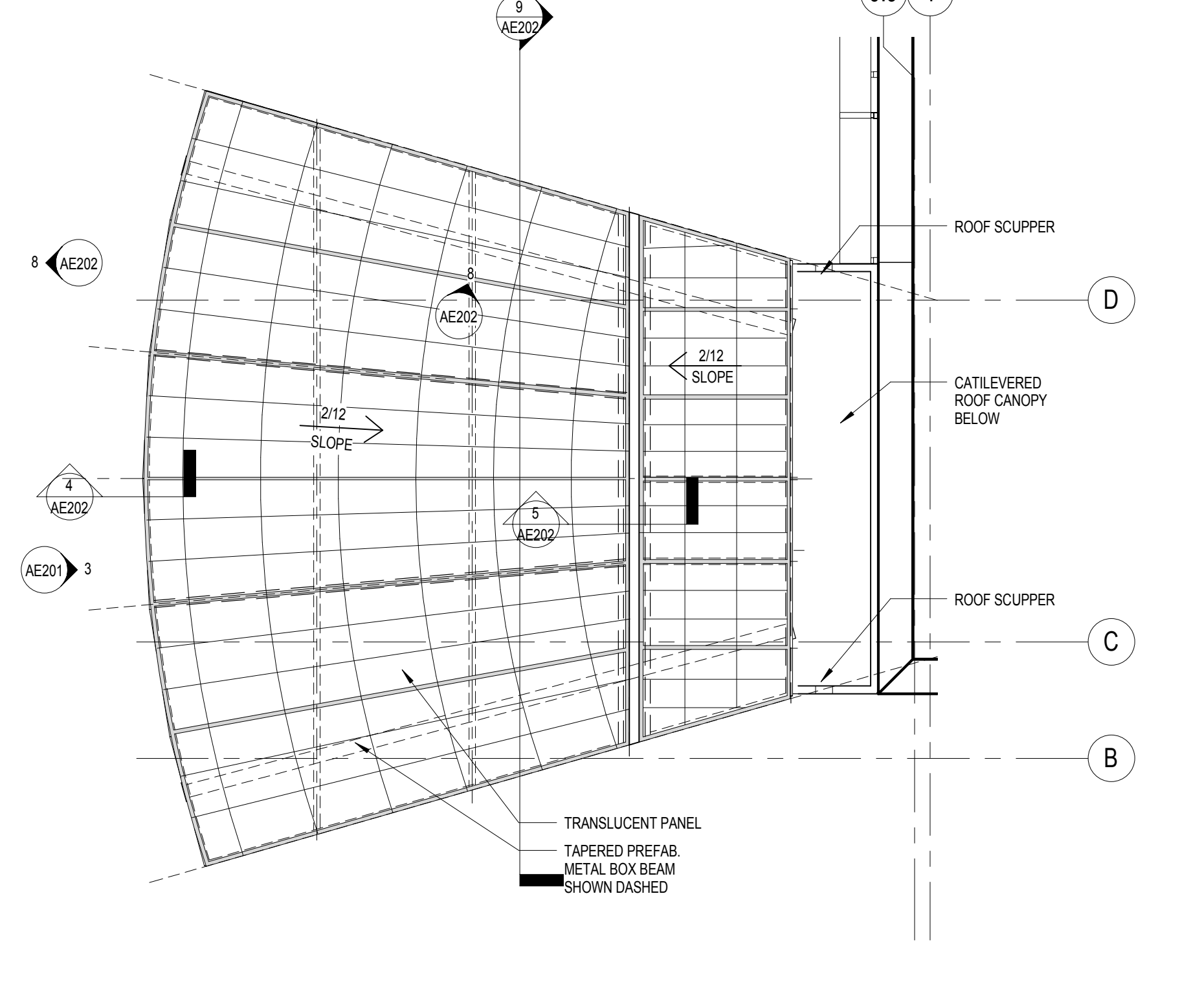
Project Title: **Outpatient Mental Health Building**
Project Number: VA #438-450
Building Number:
Location: 2501 W 22nd St, Sioux Falls, SD, 57105
Issue Date: 10/01/2018
Checked: PDD
Drawn: MMM
Drawing Number: AE201
Dwg. 30 of 102



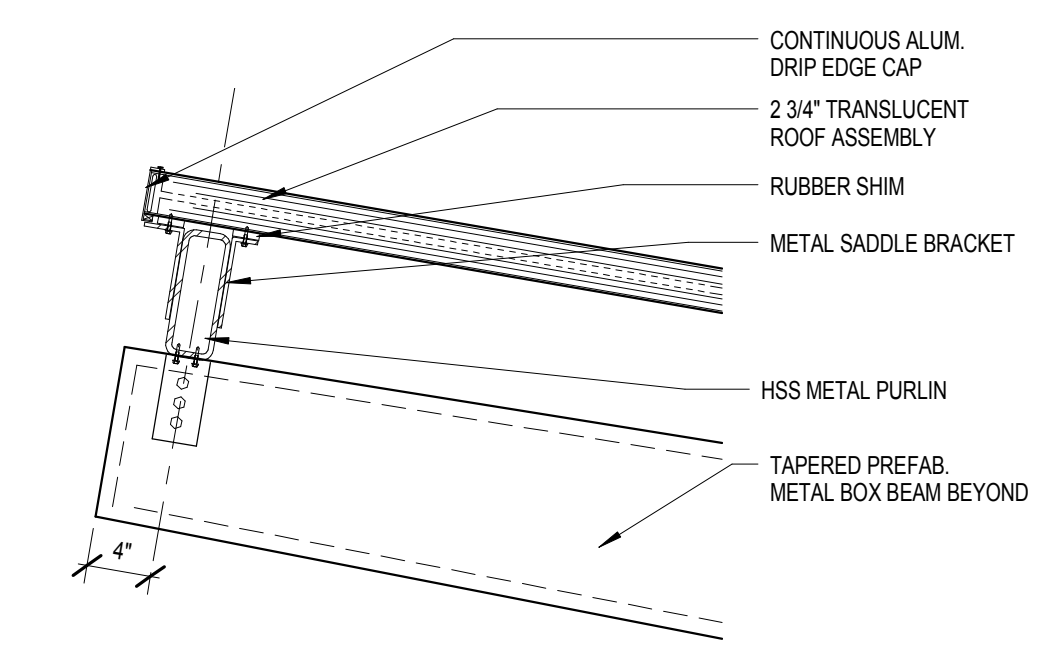
1 CONCRETE WALK UNDER ENTRY CANOPY
1/4" = 1'-0"



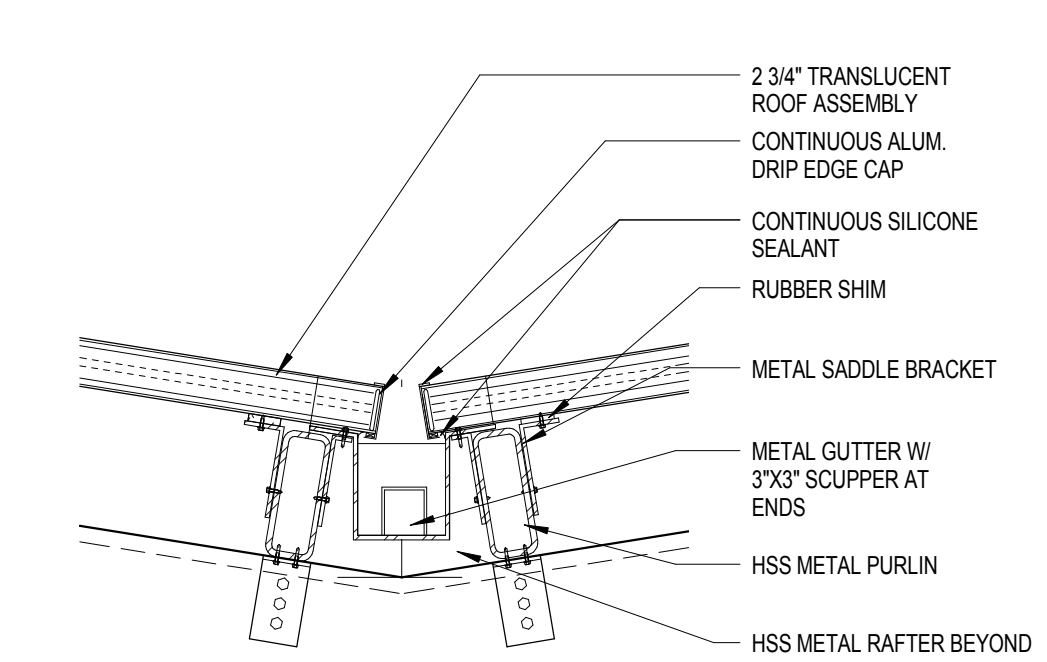
2 CANOPY STRUCTURAL LAYOUT
1/4" = 1'-0"



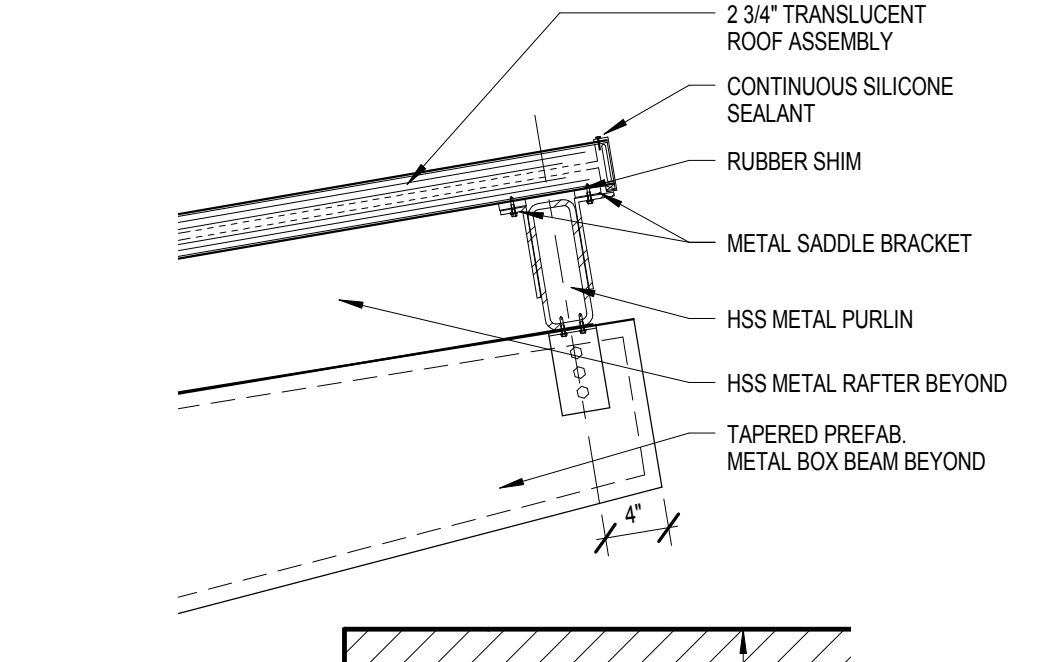
3 TRANSLUCENT PANEL ROOF LAYOUT
1/4" = 1'-0"



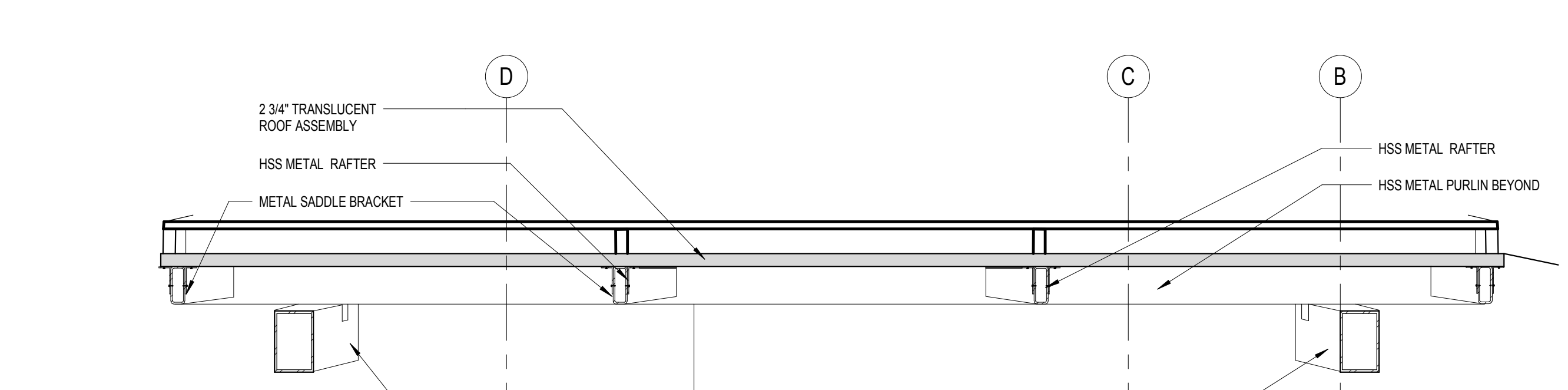
4 FRONT CANOPY EDGE DETAIL
1" = 1'-0"



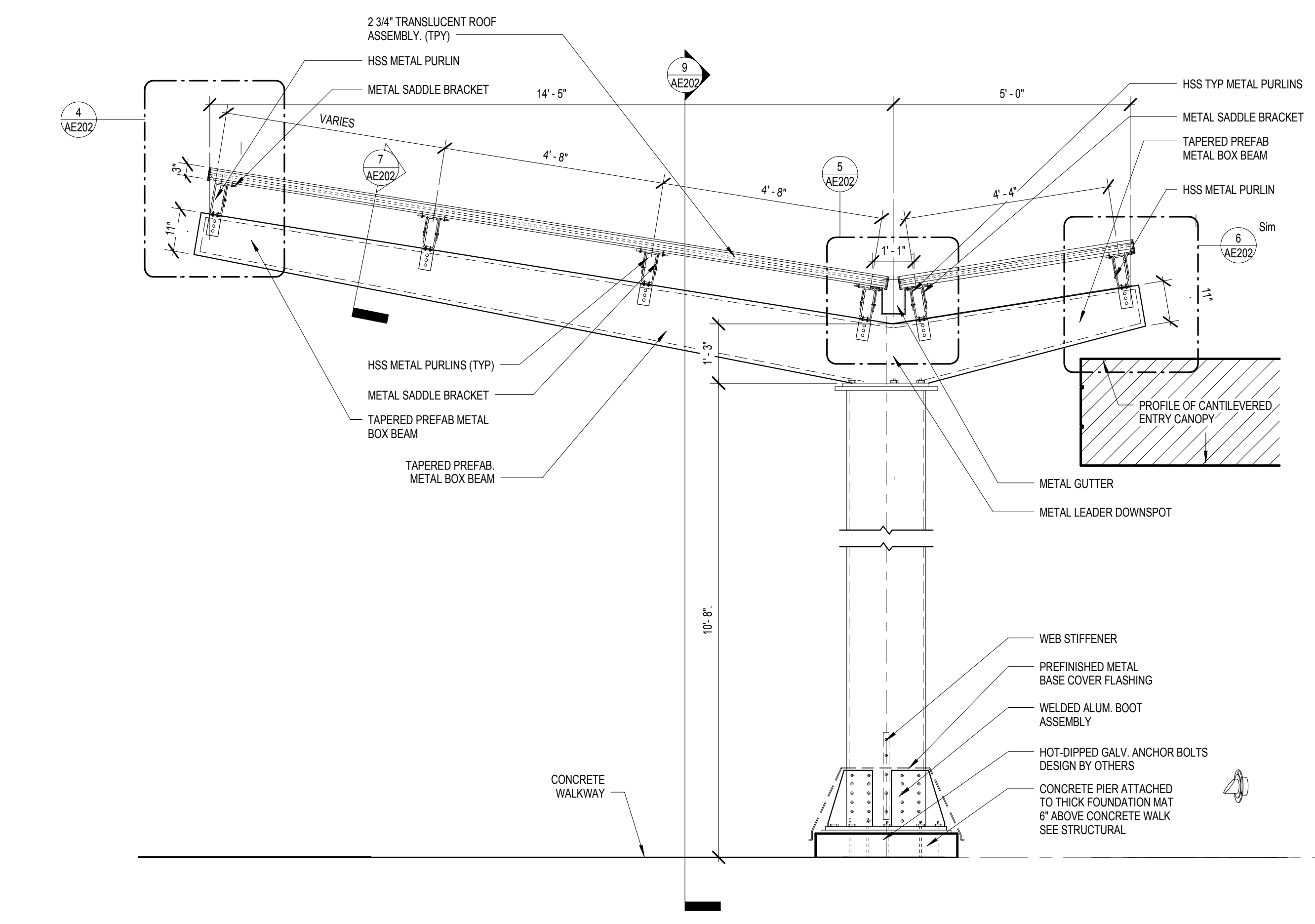
5 DETAIL AT GUTTER
1" = 1'-0"



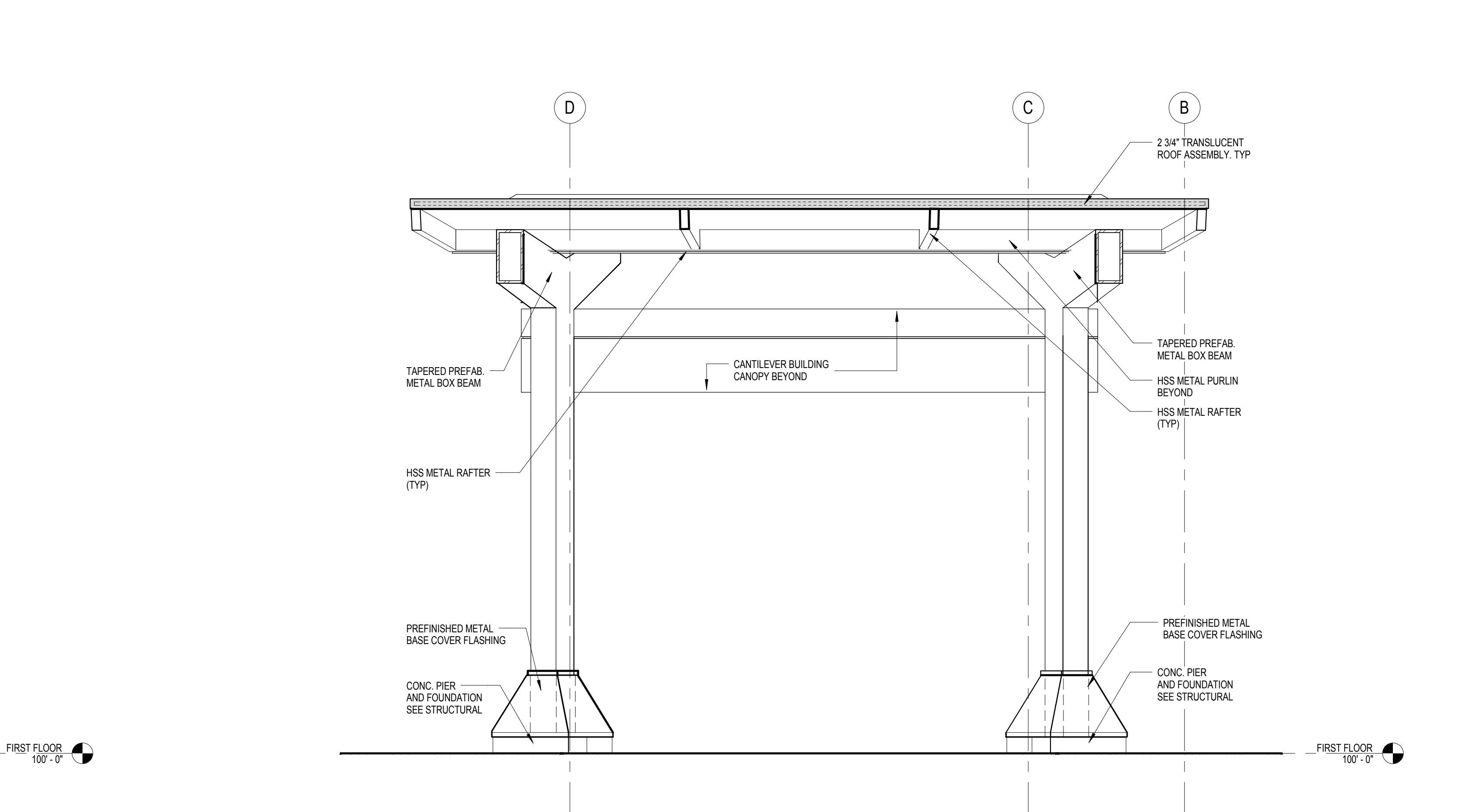
6 REAR CANOPY EDGE DETAIL
1" = 1'-0"



7 SECTION AT ROOF CANOPY
1/2" = 1'-0"

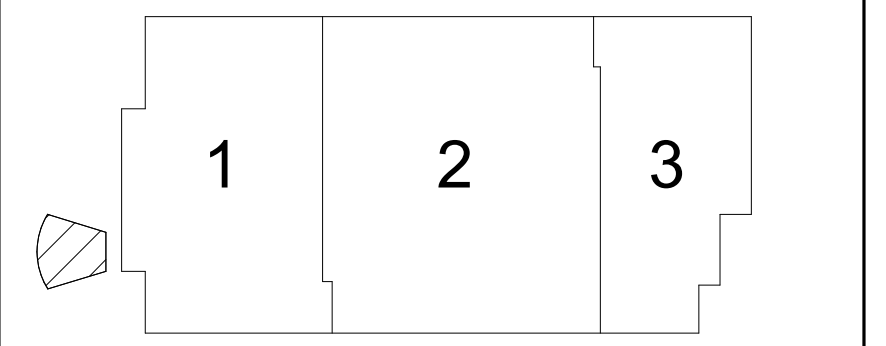
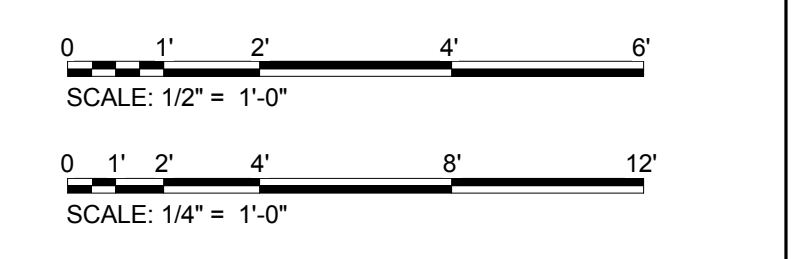


8 CANOPY COLUMN AND BEAM PROFILE
1/2" = 1'-0"



9 SECTION AT ENTRY CANOPY
1/2" = 1'-0"

GENERAL NOTE
1. SEE SECTION 01 23 00, ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ENTRY CANOPY.



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10/05/2018 12:16:41 PM C:\Users\pcha\Documents\14541 OMHB RVJ16_1\young.dwg

Revisions	Date

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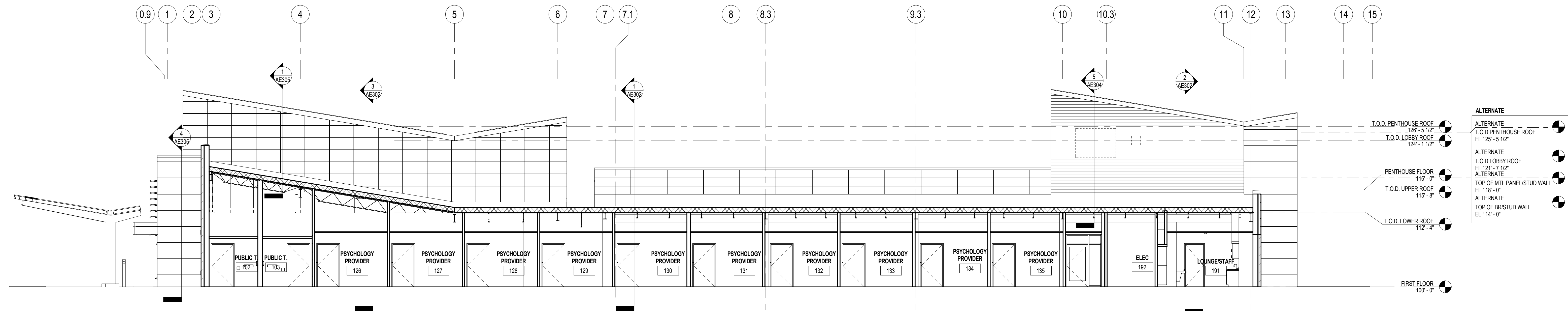
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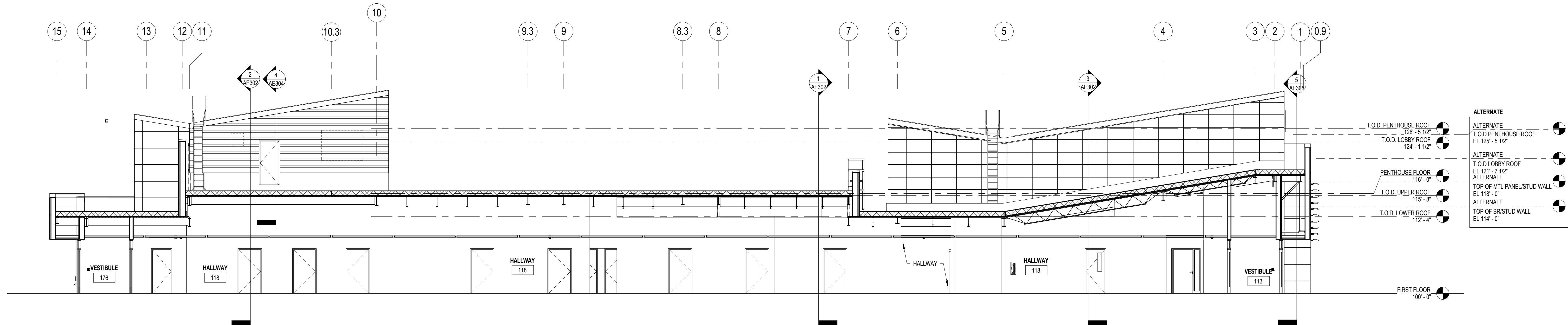
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PAUL D. DANBERG
7833
10-1-2018

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

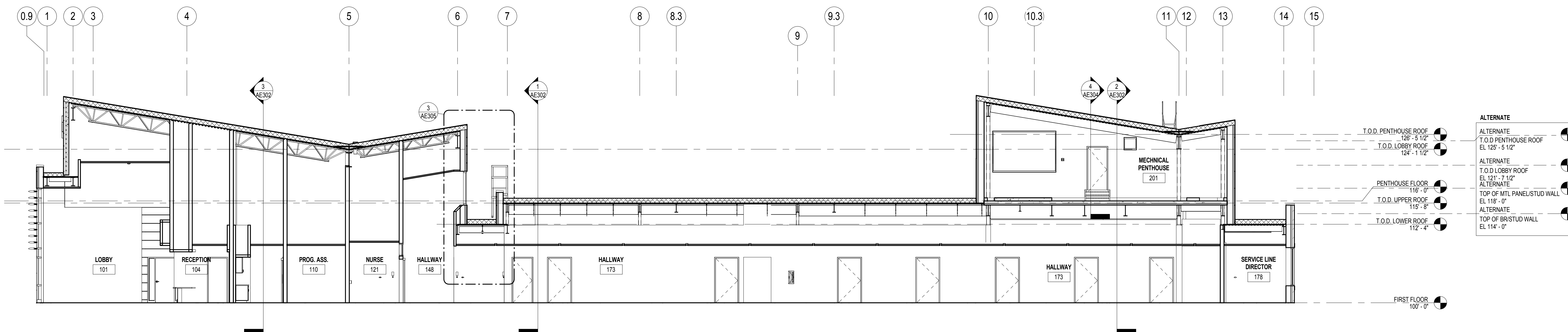
Drawing Title: CANOPY PLAN AND DETAILS
Phase: 100% BID DOCUMENTS
Project Title: Outpatient Mental Health Building
Project Number: VA #438-450
Building Number:
Location: 2501 W 22nd St, Sioux Falls, SD, 57105
Issue Date: 10/01/2018
Checked: PDD
Drawn: MMM
Drawing Number: AE202
Dwg. 31 of 102



1 BUILDING SECTION
1/8" = 1'-0"



2 BUILDING SECTION
1/8" = 1'-0"



3 BUILDING SECTION
1/8" = 1'-0"

"AN ALTERNATE APPLIES TO THE HEIGHT OF VARIOUS PORTIONS OF THE BUILDING. SEE SPEC SECTION 01 23 00 ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ALTERNATE."

0 1 2 4 6
SCALE: 1/2" = 1'-0"

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Revisions	Date

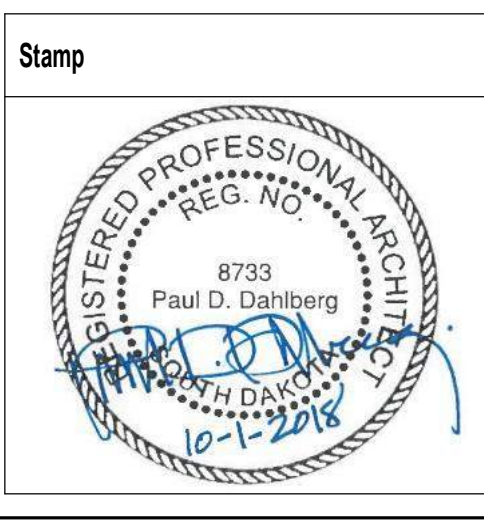
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AE PROJECT NO.: 14541



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

Drawing Title
BUILDING SECTIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

Checked
PDD

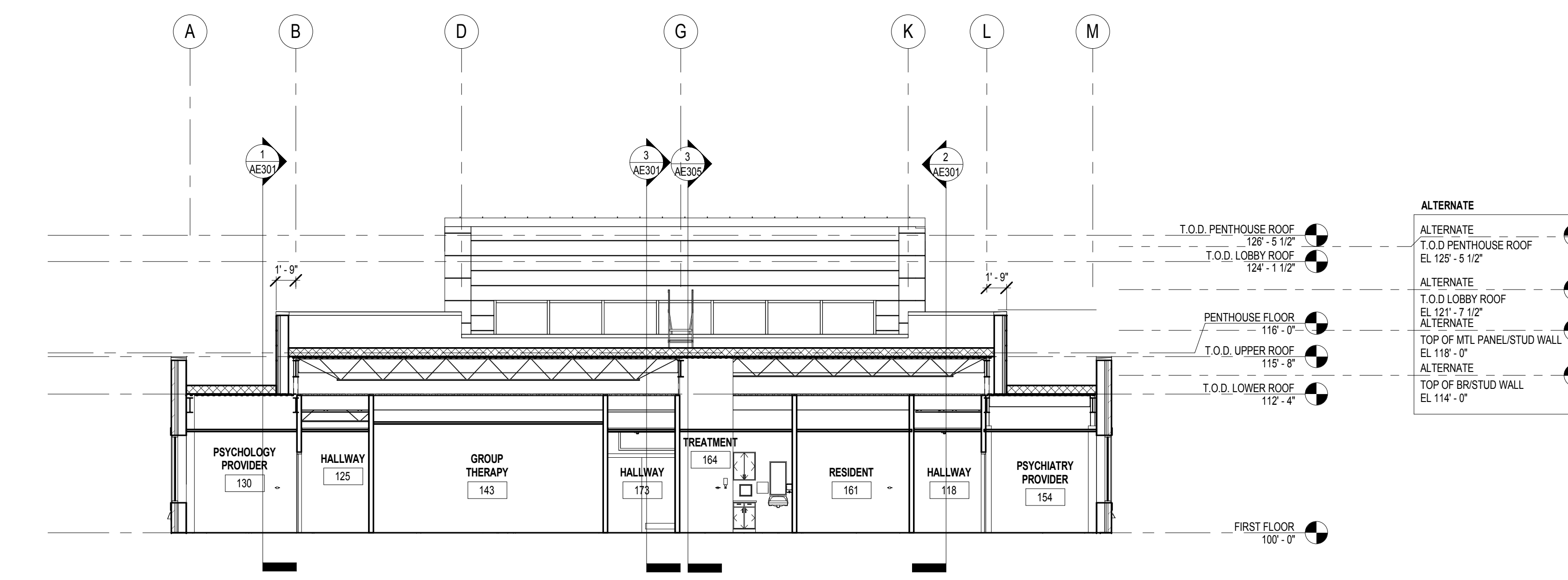
Drawn
MMM

Project Number
VA #438-450

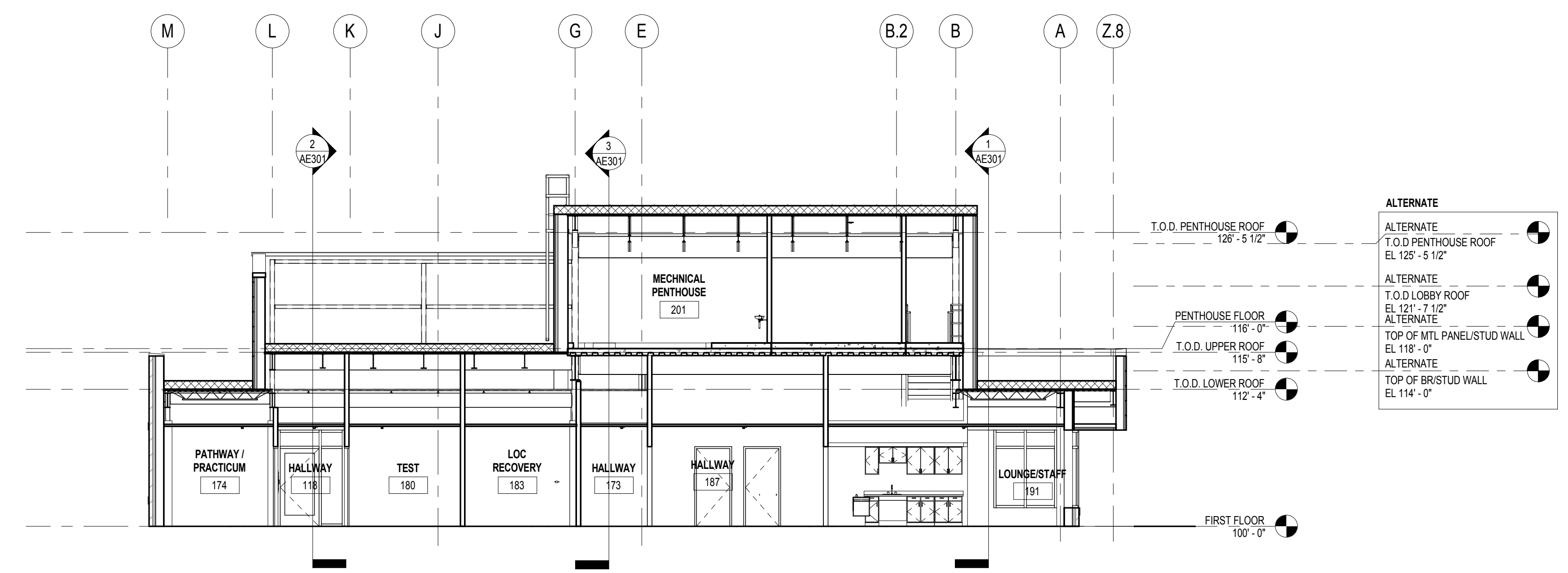
Building Number

Drawing Number
AE301

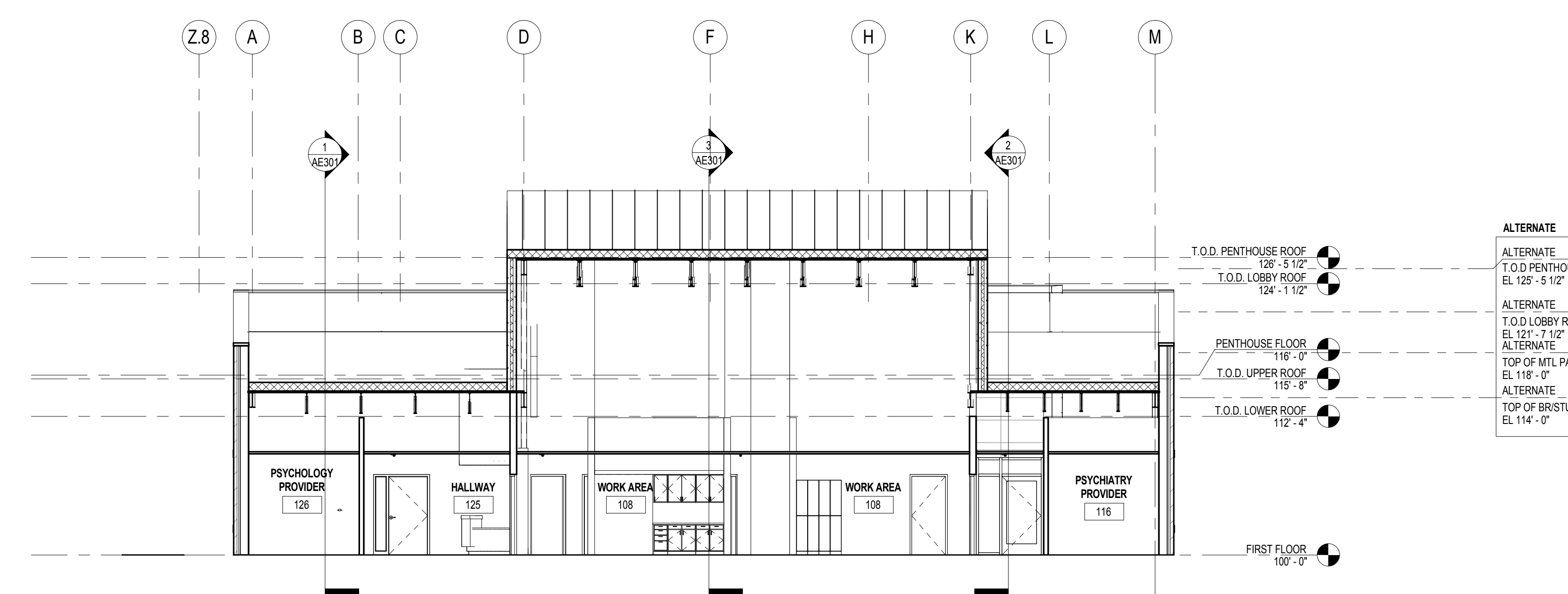
Dwg. 32 of 102



1 BUILDING SECTION
1/8" = 1'-0"



2 BUILDING SECTION
1/8" = 1'-0"



3 BUILDING SECTION
1/8" = 1'-0"

"AN ALTERNATE APPLIES TO THE HEIGHT OF VARIOUS PORTIONS OF THE BUILDING. SEE SPEC SECTION 01 23 00 ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ALTERNATE."



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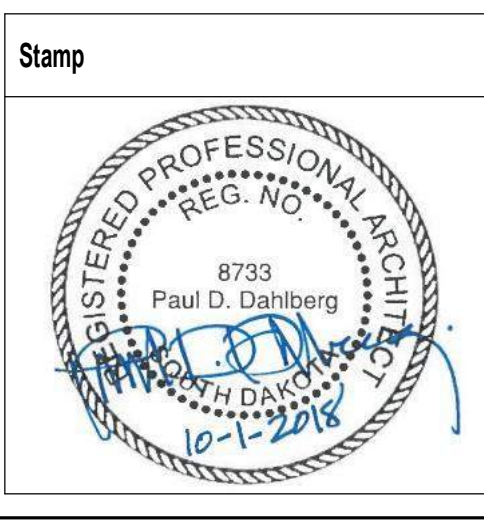
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
BUILDING SECTIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
VA #438-450

Building Number

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

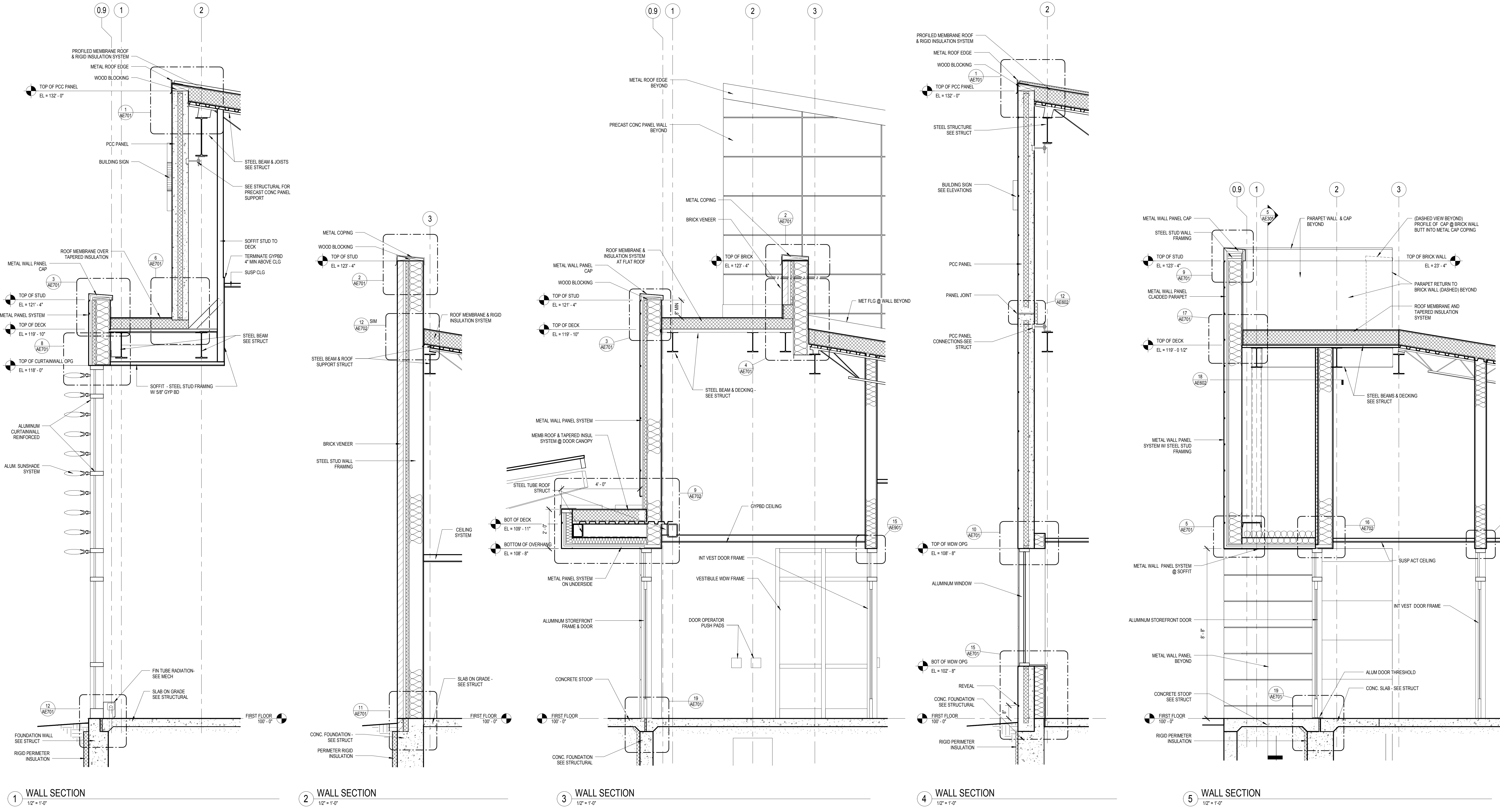
Checked
PDD

Drawn
MMM

Drawing Number
AE302

Dwg. 33 of 102

"AN ALTERNATE APPLIES TO THE HEIGHT OF VARIOUS PORTIONS OF THE BUILDING. SEE SPEC SECTION 01 23 00 ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ALTERNATE."



0 1 2 4 6
SCALE: 1/2" = 1'-0"

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AE PROJECT NO.: 14541

Stamp
 REGISTERED PROFESSIONAL ARCHITECT
 REG. NO. 8733
 Paul D. Dahlberg
 10-1-2018

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

Drawing Title
WALL SECTIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

Drawn
 MMM

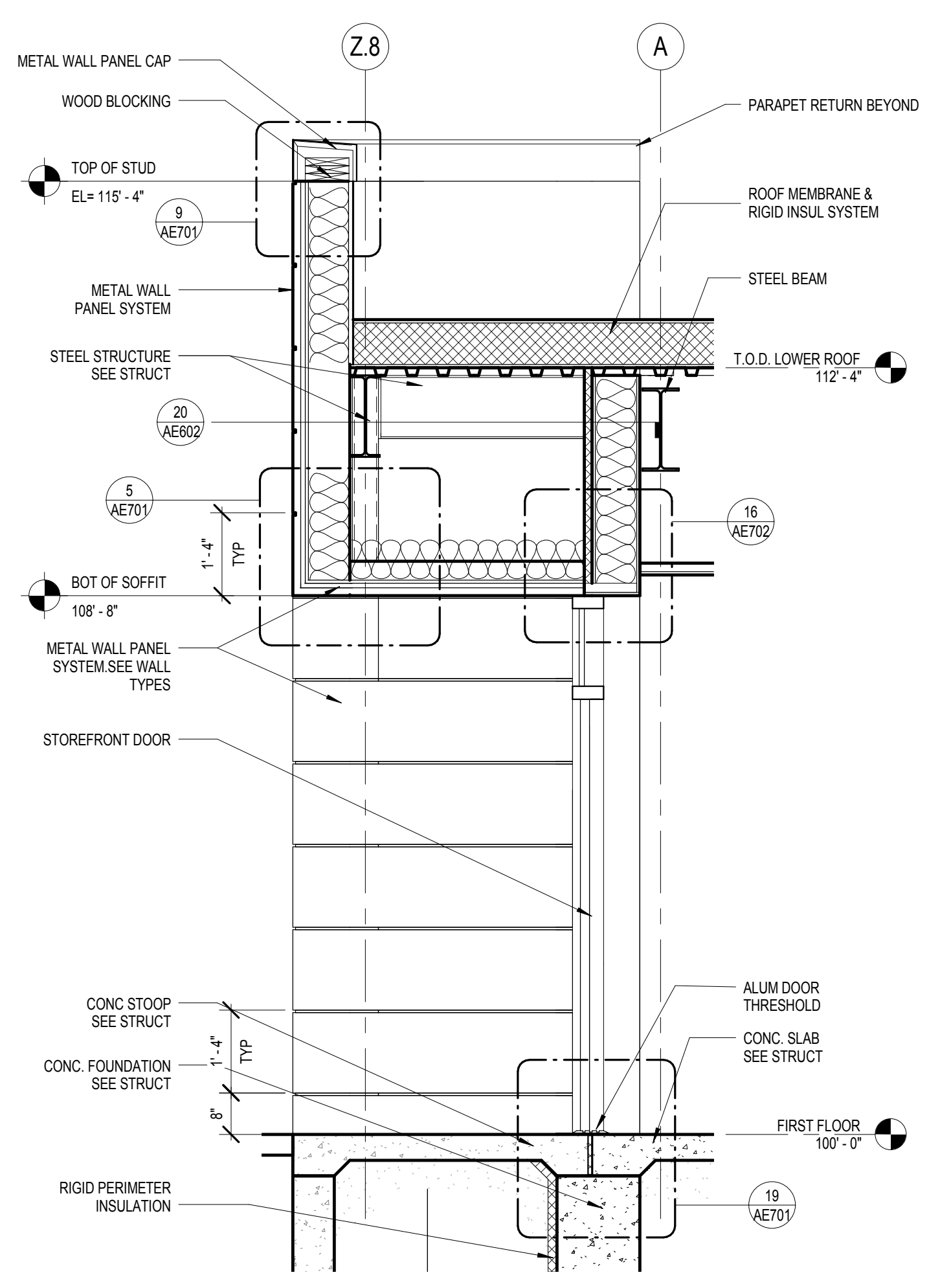
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 VA #438-450

Building Number

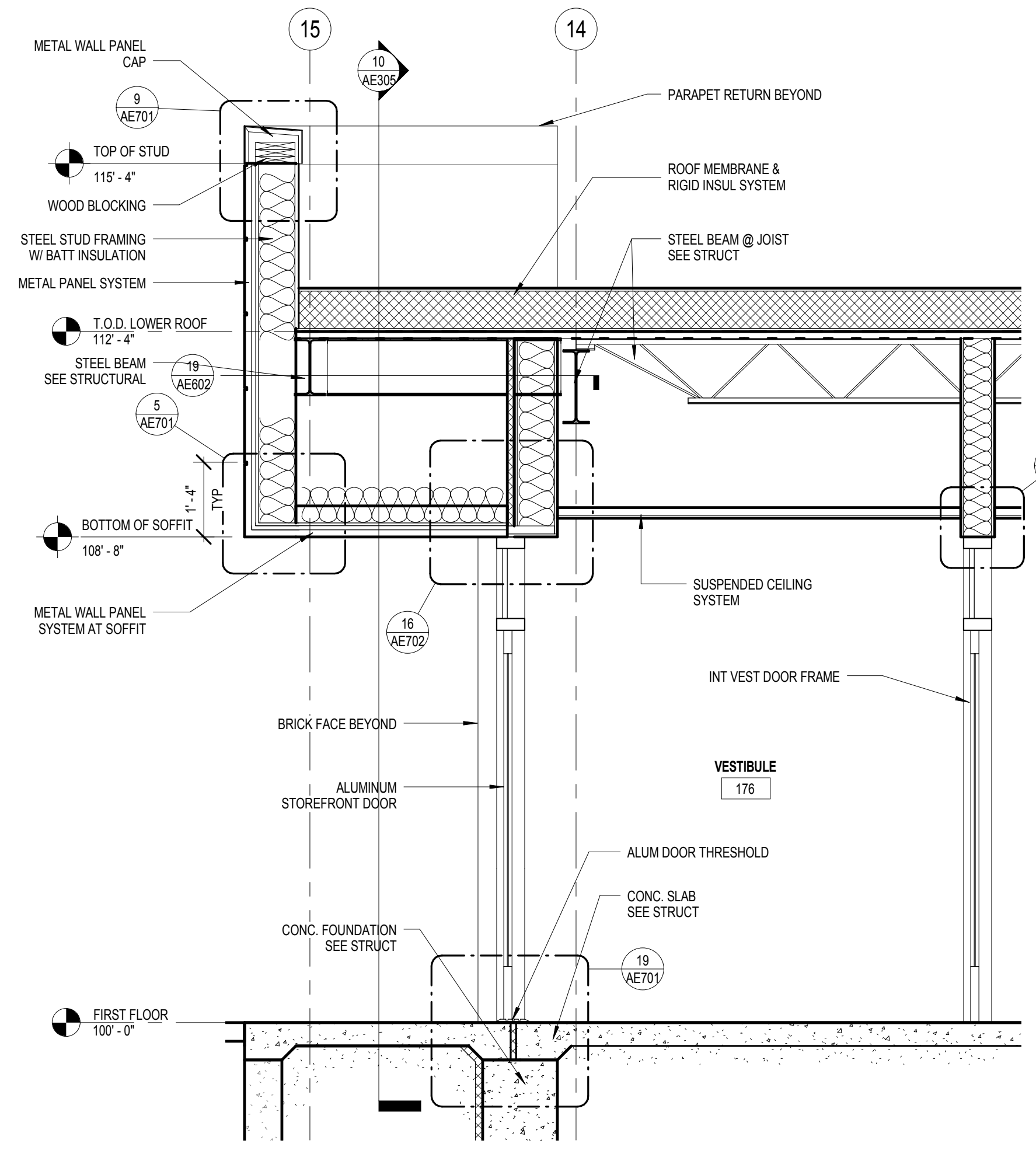
Drawing Number
AE303

Dwg. 34 of 102

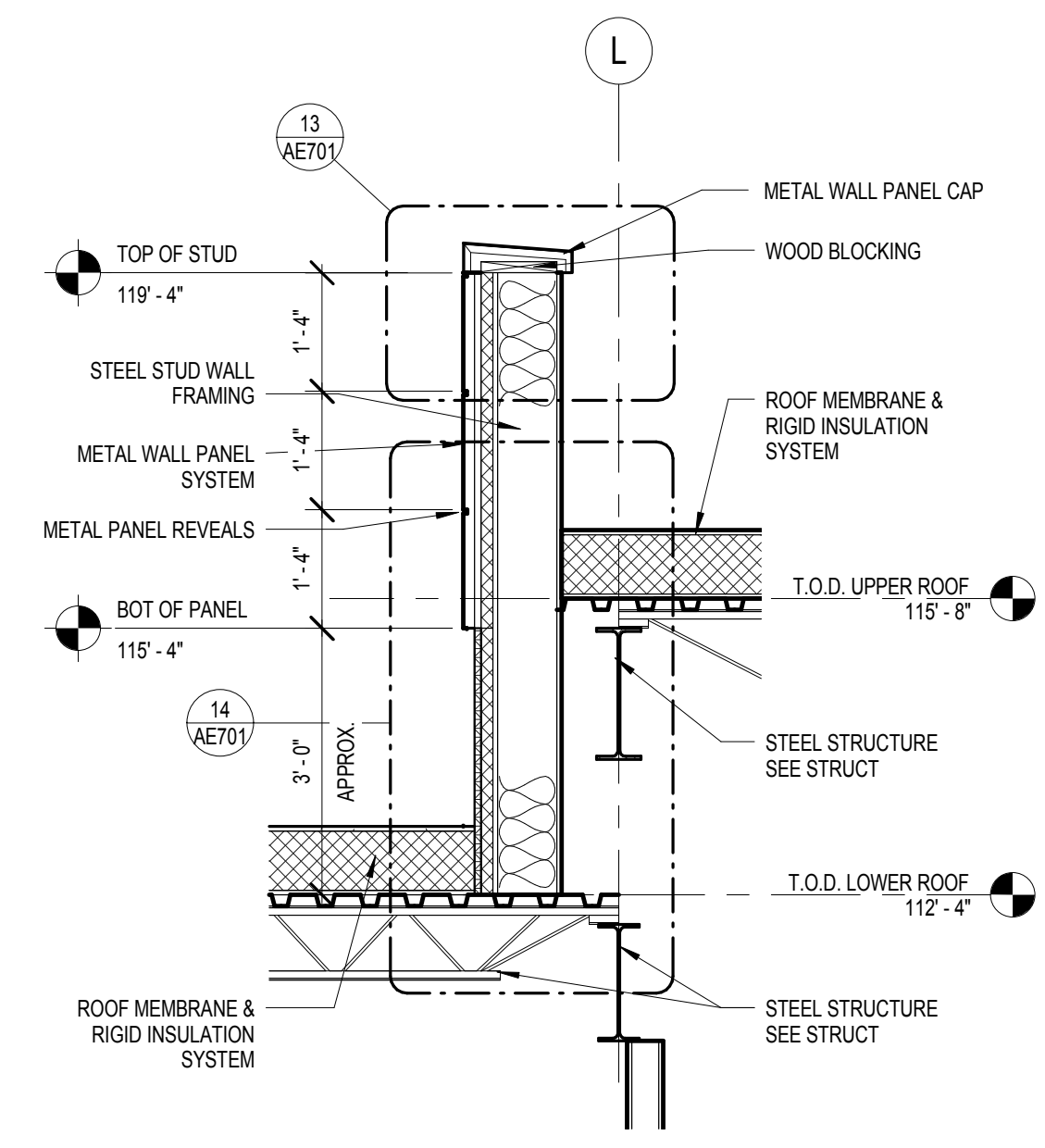
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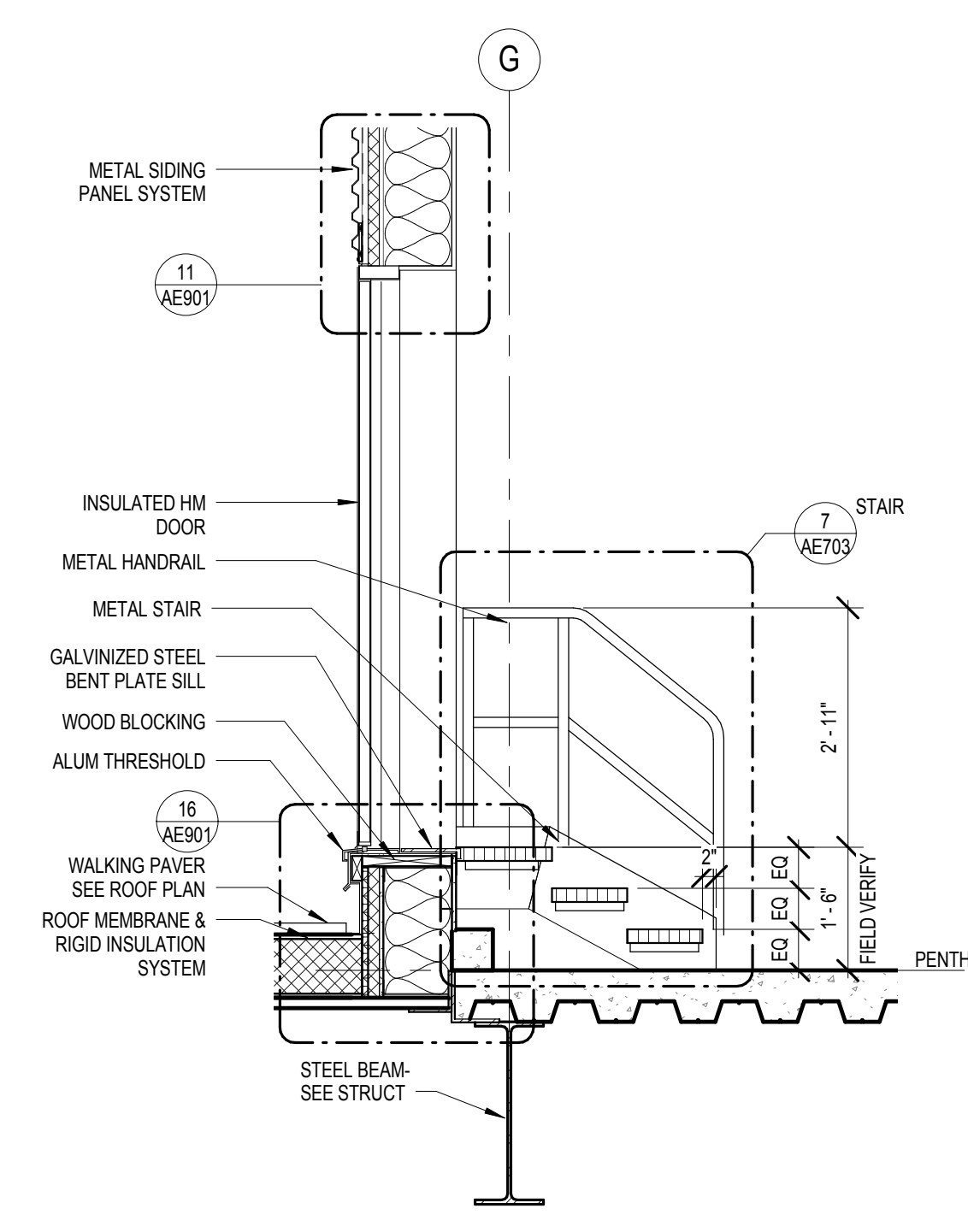
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1/2" = 1'-0"



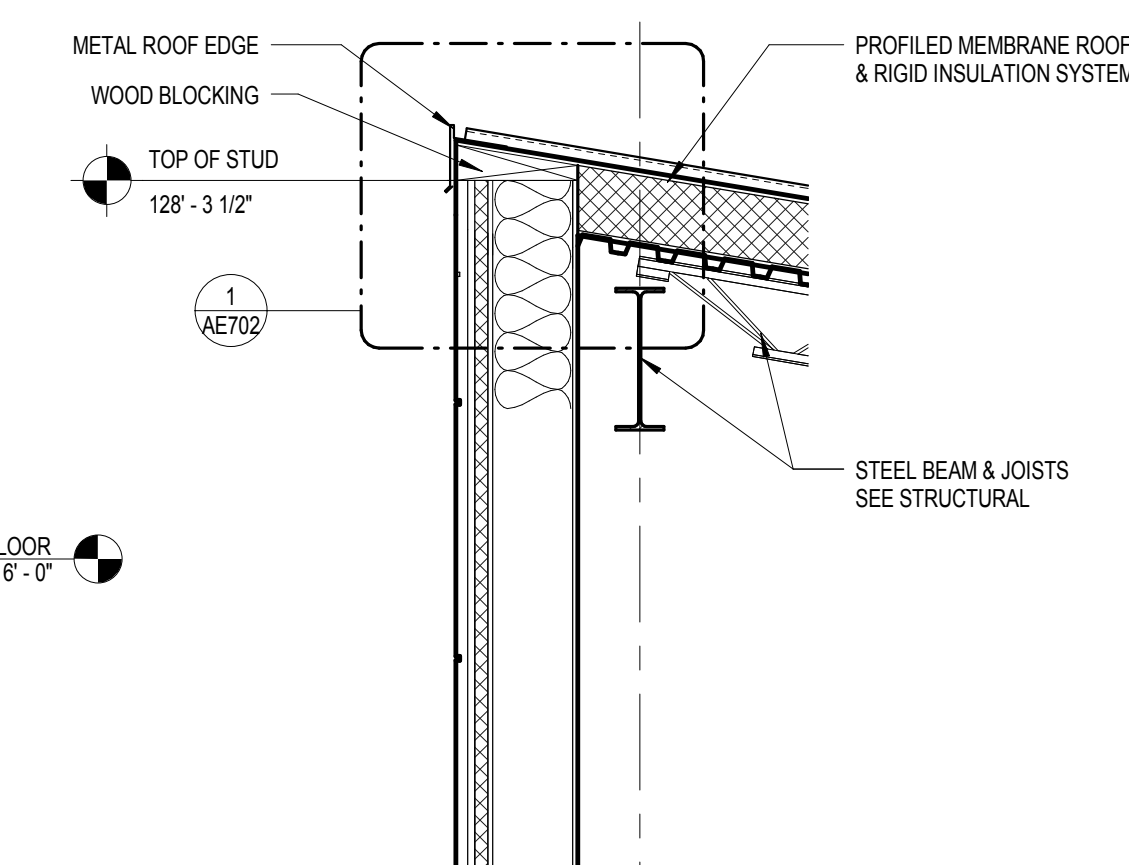
2 WALL SECTION
1/2" = 1'-0"



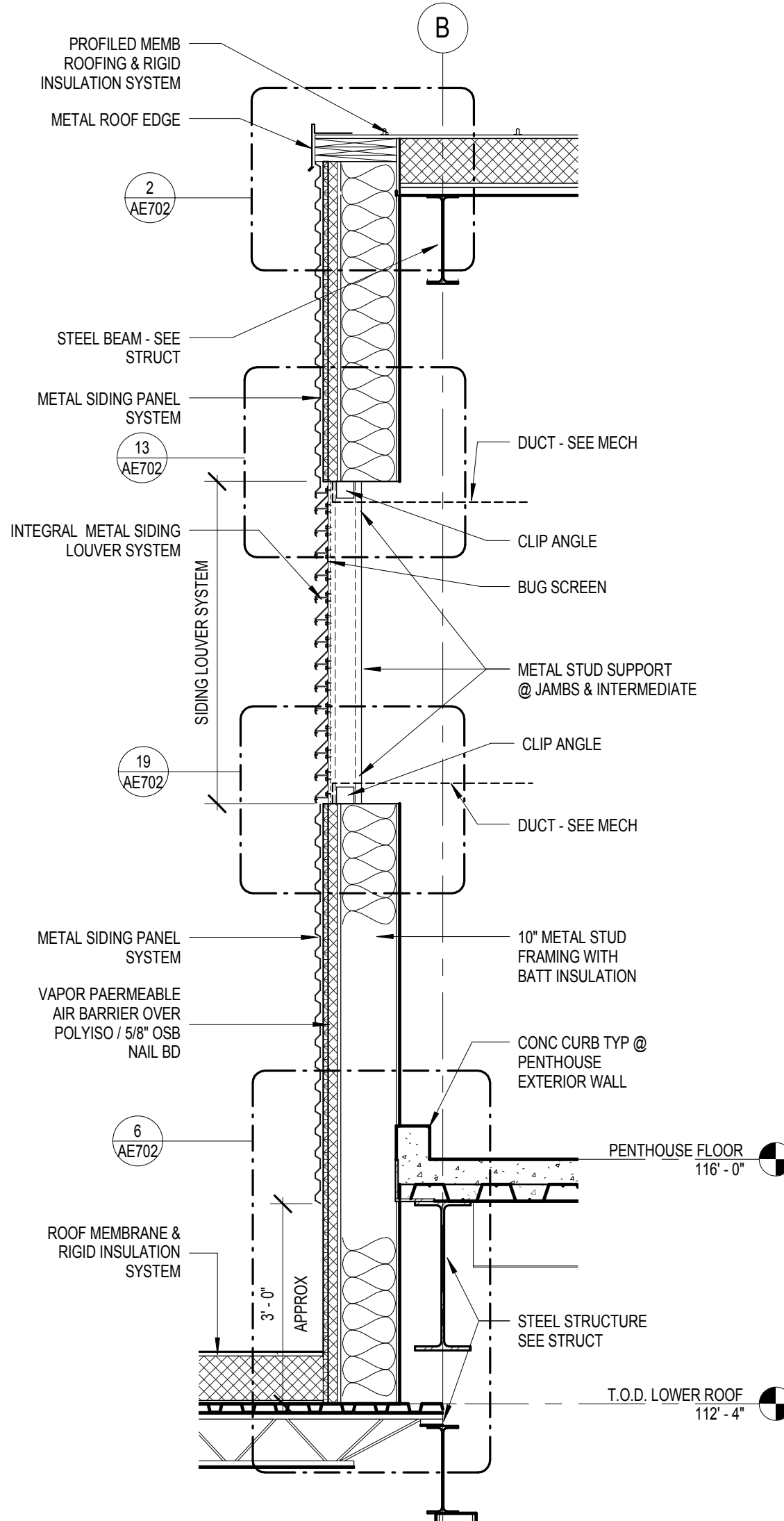
3 WALL SECTION
1/2" = 1'-0"



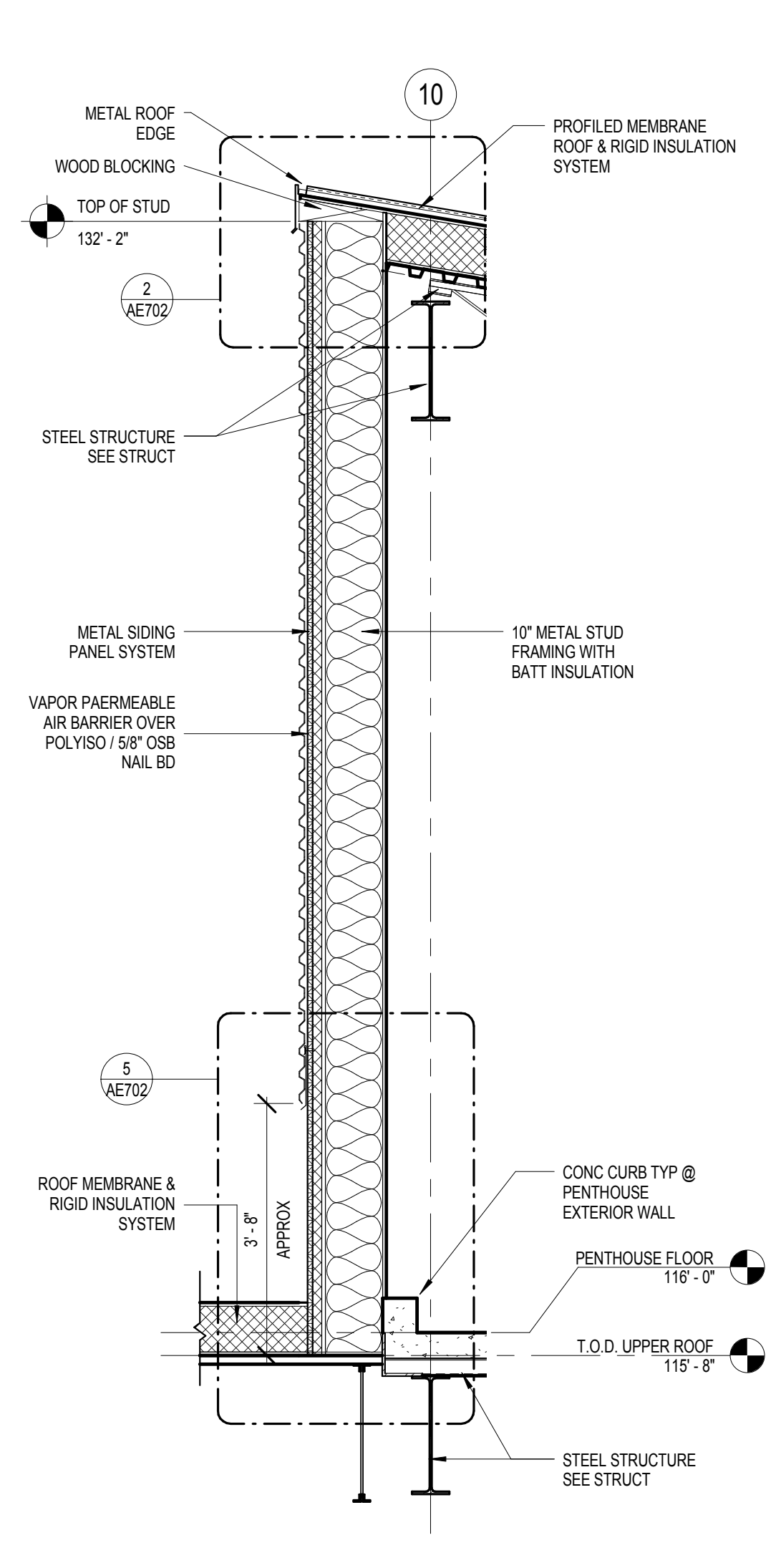
4 WALL SECTION
1/2" = 1'-0"



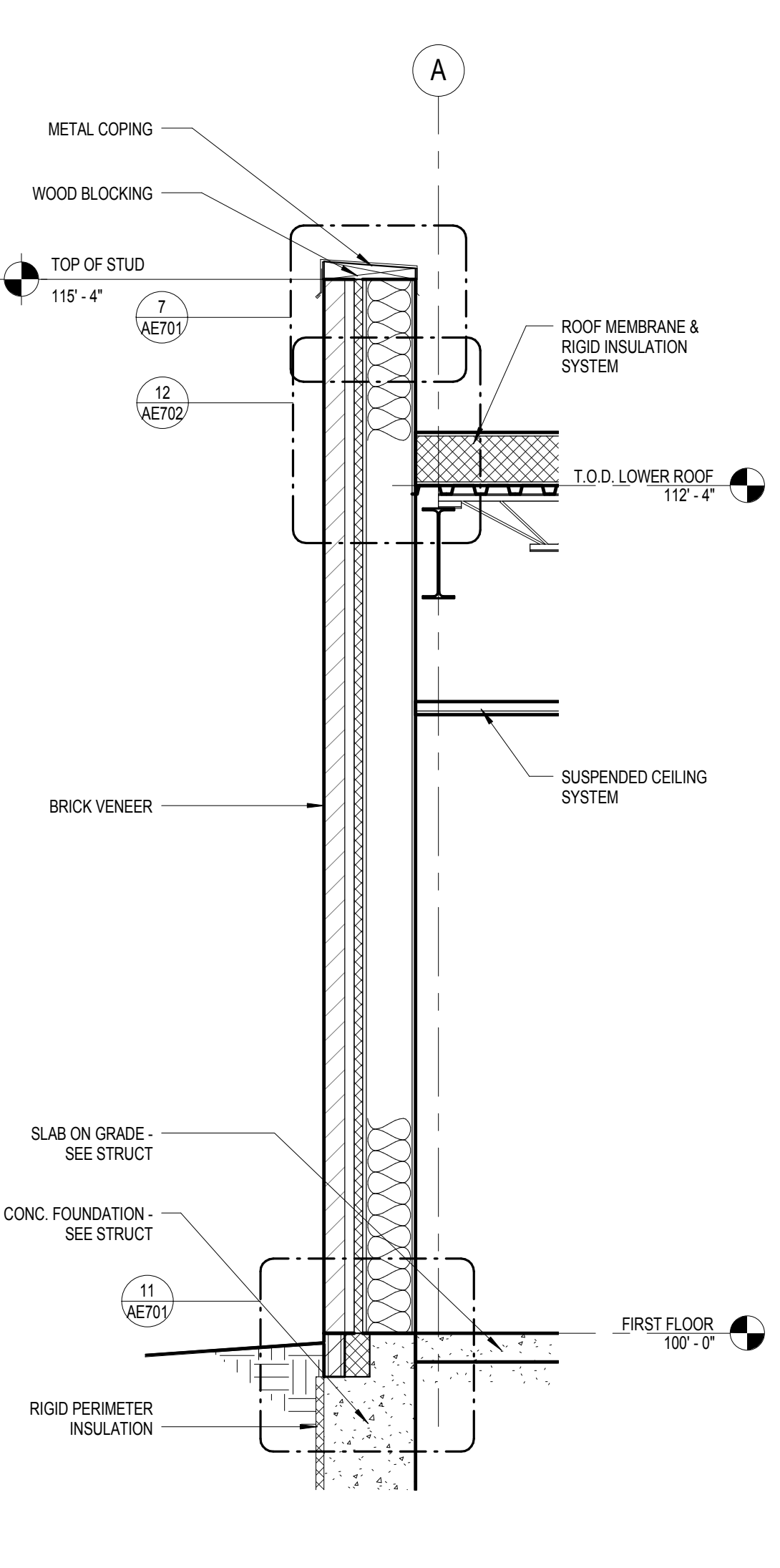
10 WALL SECTION
1/2" = 1'-0"



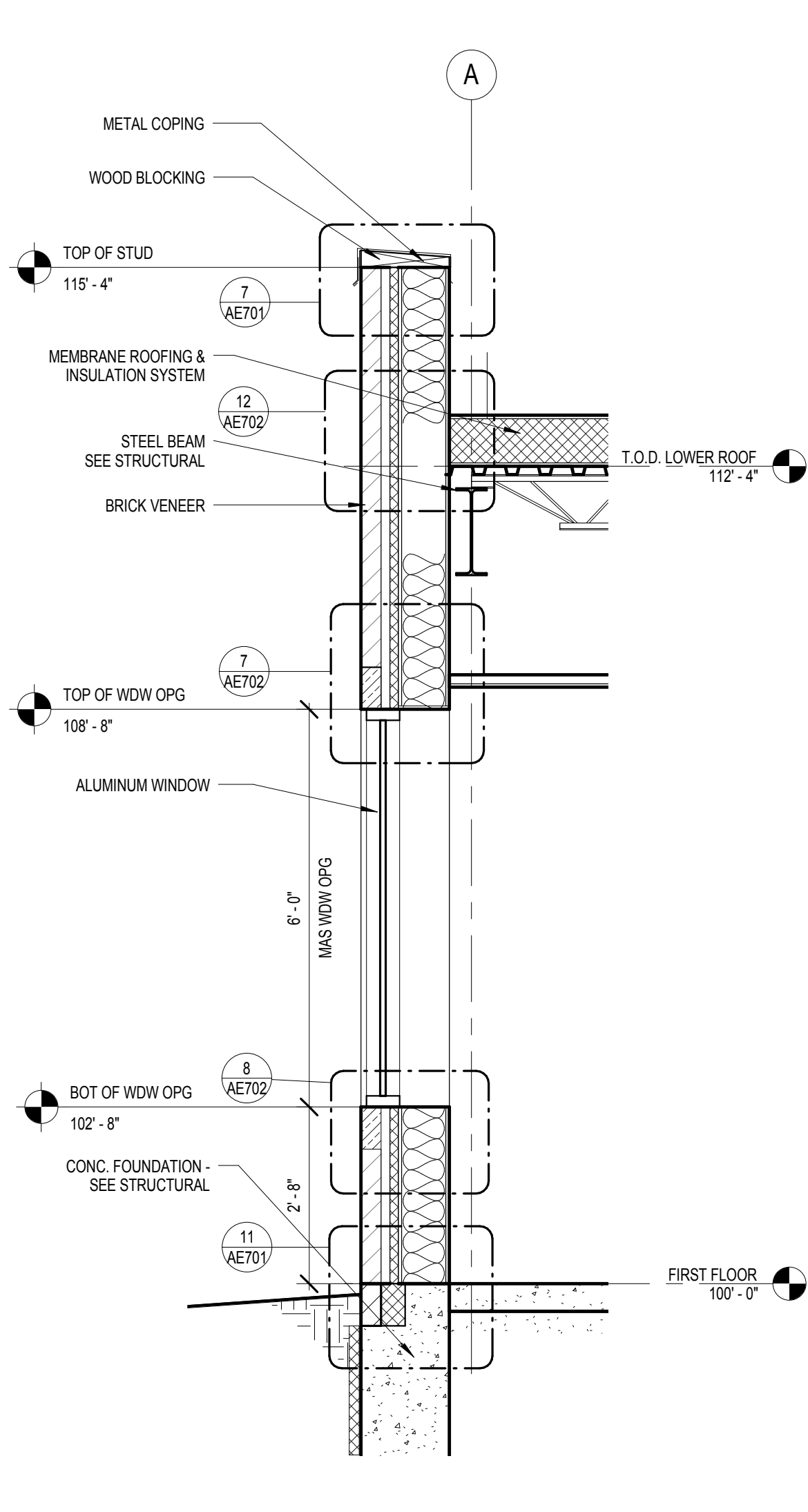
5 WALL SECTION
1/2" = 1'-0"



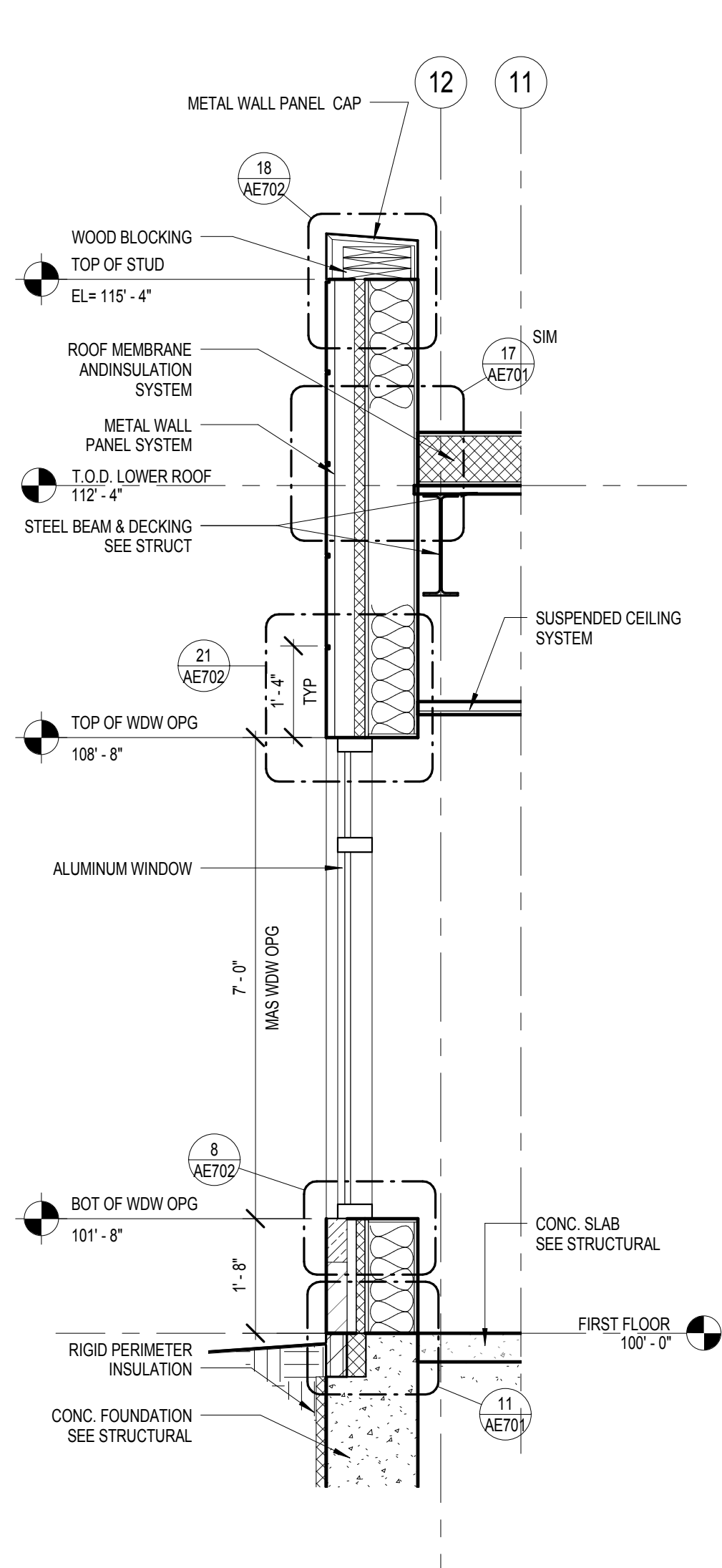
6 WALL SECTION
1/2" = 1'-0"



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



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



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

SCALE: 1/2" = 1'-0"

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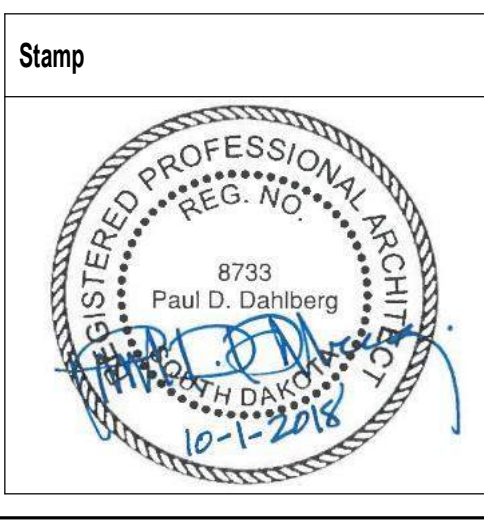
Revisions	Date

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AE PROJECT NO.: 14541



Office of Construction and Facilities Management
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Drawing Title
WALL SECTIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

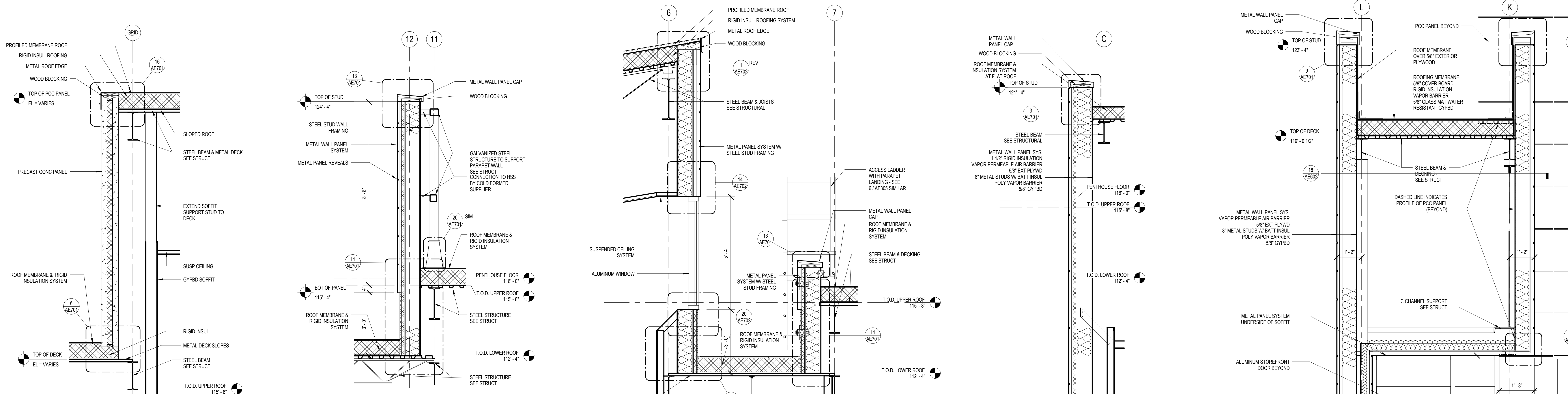
Drawn
 MMM

Project Number
 VA #438-450

Building Number

Drawing Number
AE304

Dwg. 35 of 102



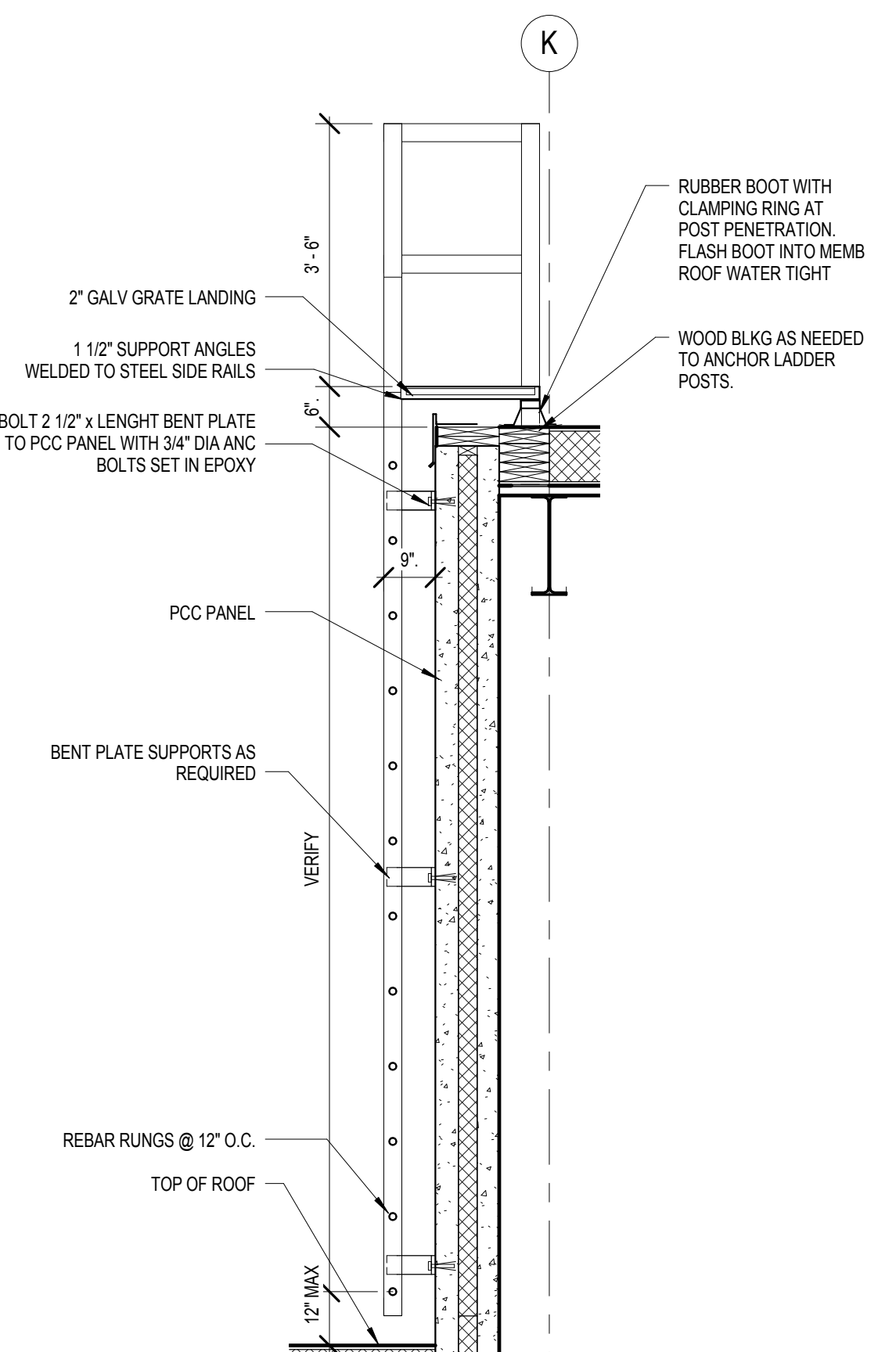
1 WALL SECTION
1/2" = 1'-0"

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

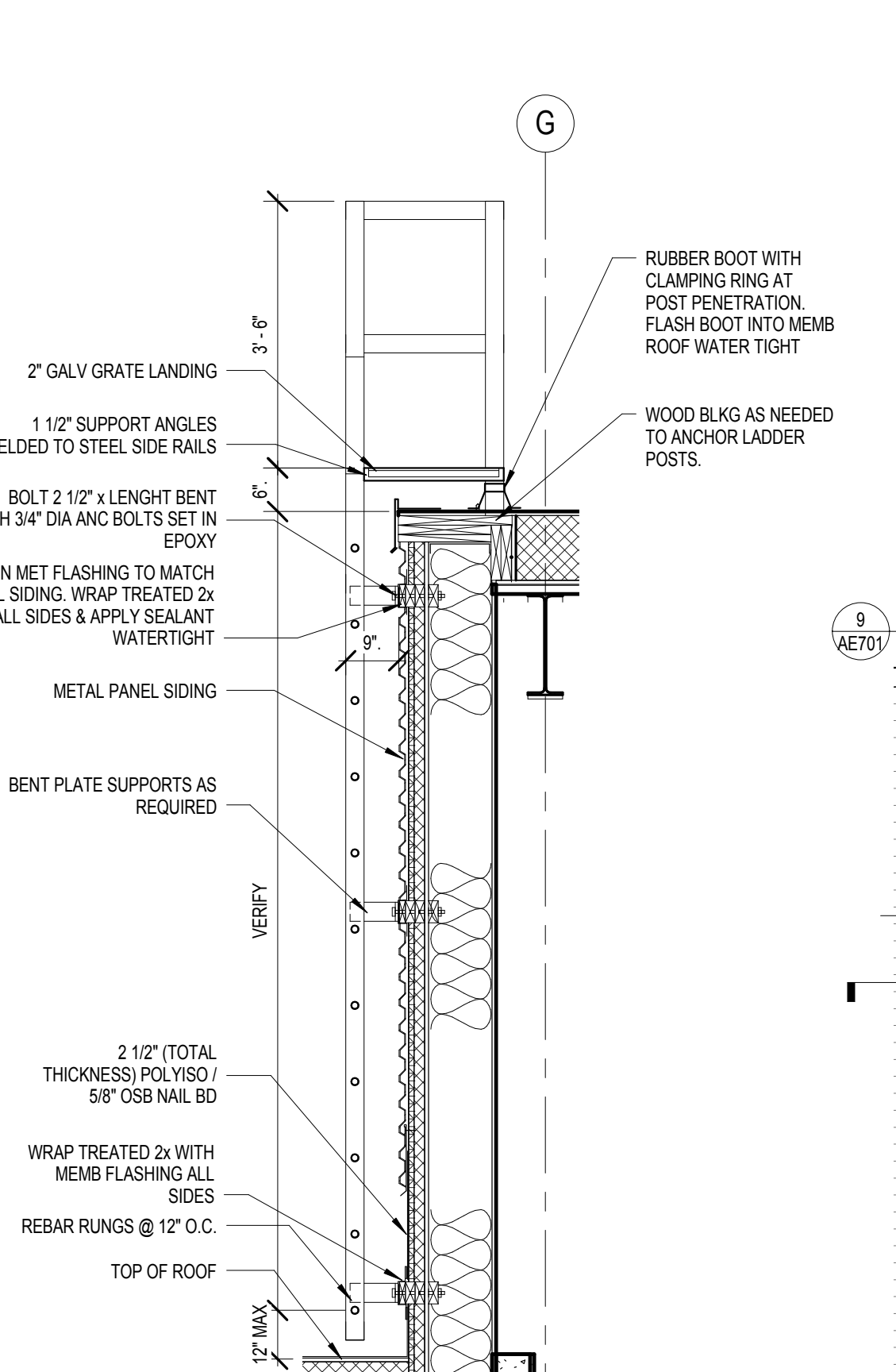
3 WALL SECTION
1/2" = 1'-0"

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

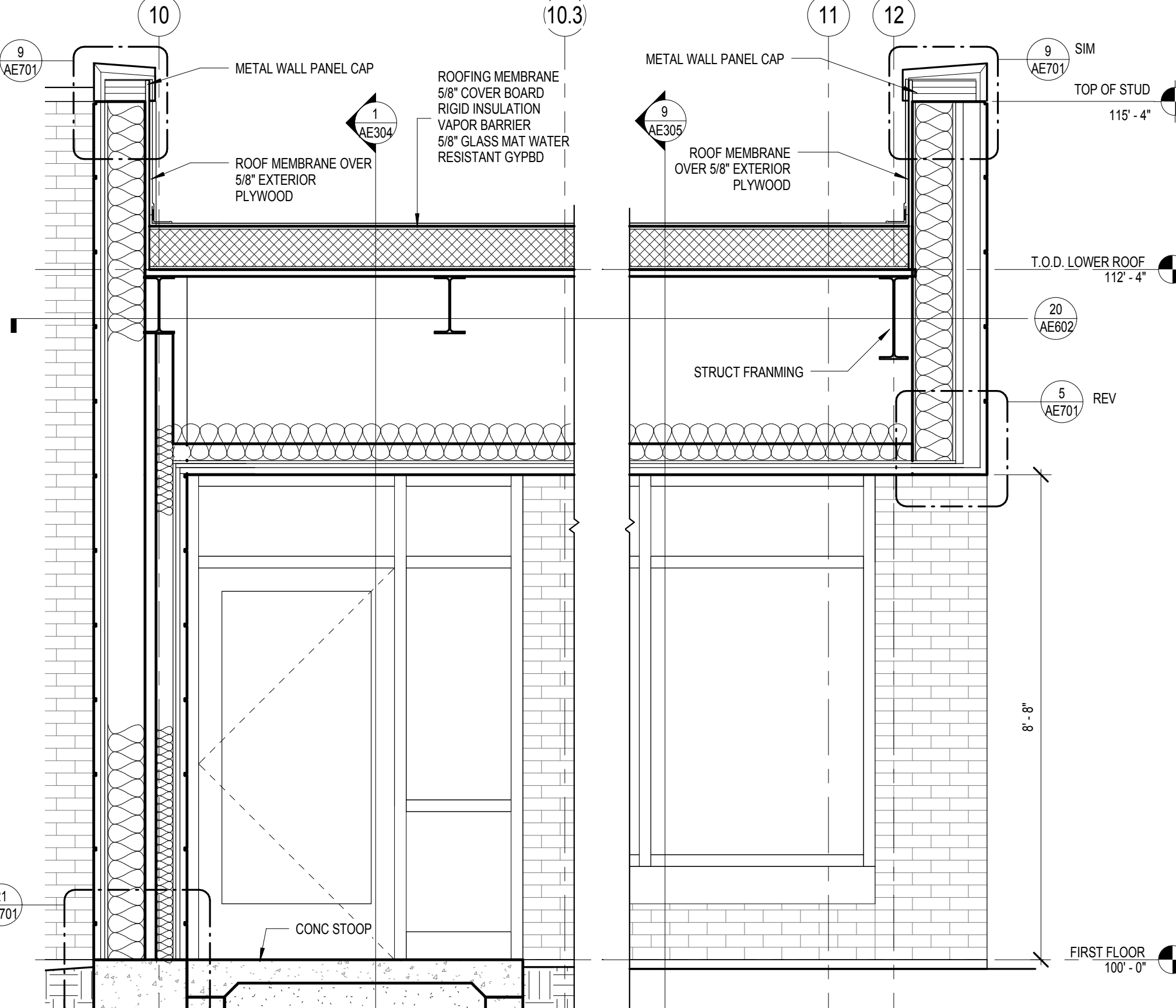
5 WALL SECTION
1/2" = 1'-0"



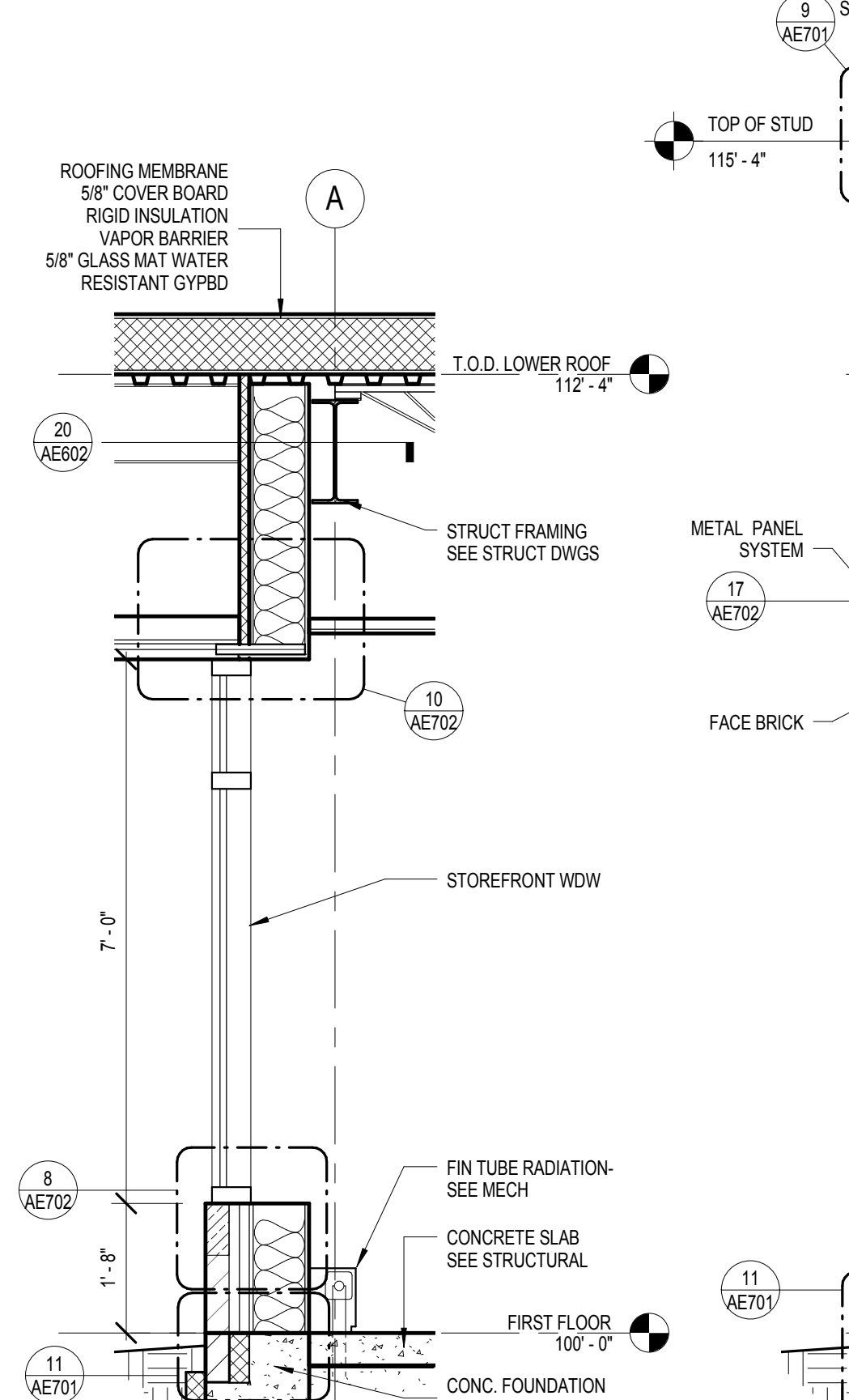
6 WALL SECTION - ROOF ACCESS LADDER
1/2" = 1'-0"



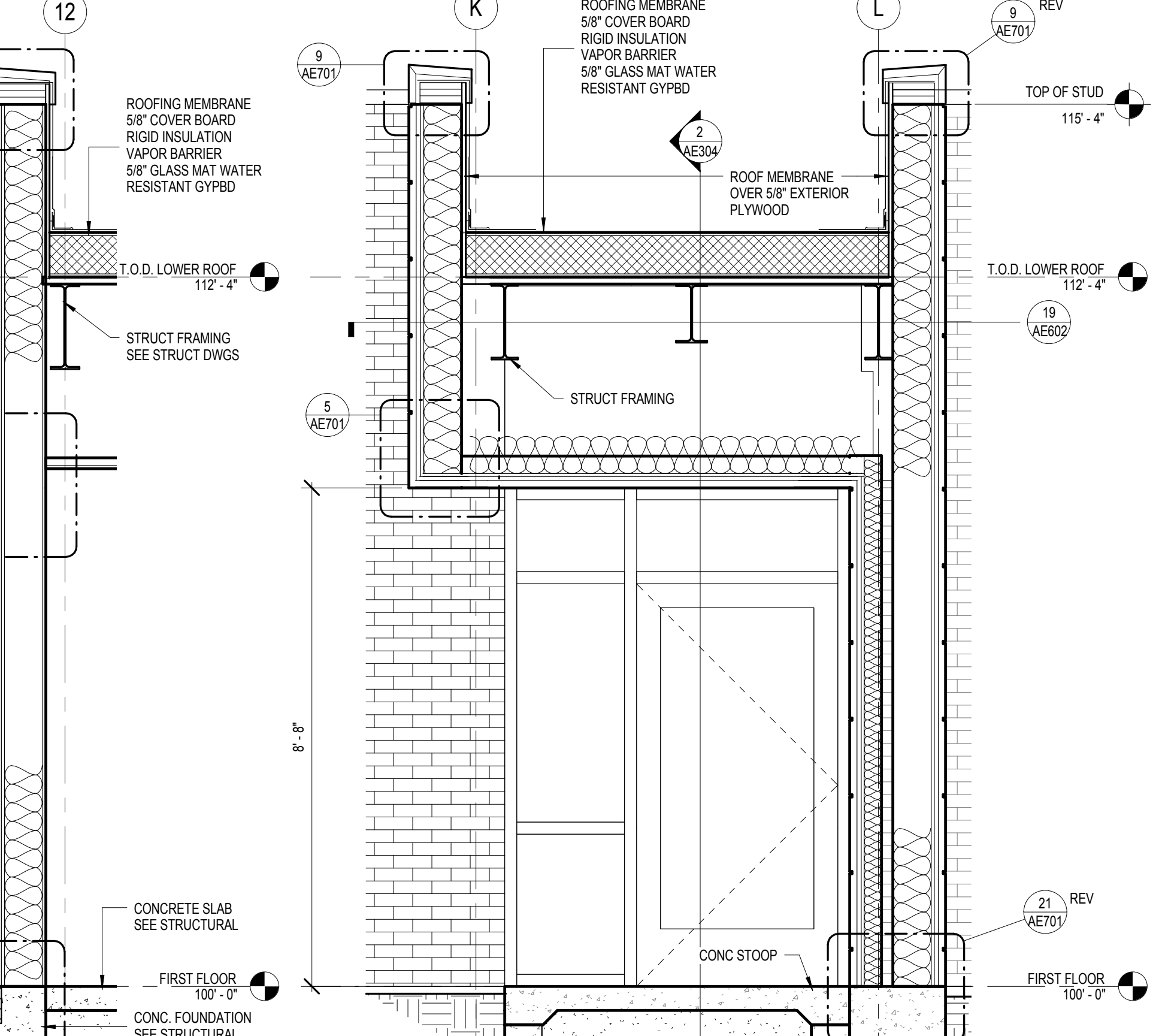
7 WALL SECTION - ROOF ACCESS LADDER
1/2" = 1'-0"



8 SECTION - DOOR CANOPY / OVERHANG @ VEST 136
1/2" = 1'-0"



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



10 SECTION - DOOR CANOPY @ VEST 176
1/2" = 1'-0"

"AN ALTERNATE APPLIES TO THE HEIGHT OF VARIOUS PORTIONS OF THE BUILDING. SEE SPEC SECTION 01 23 00 ALTERNATES FOR ADDITIONAL INFORMATION REGARDING ALTERNATE."

SCALE: 1/2" = 1'-0" NOT FOR CONSTRUCTION

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 REG. NO. 8733
 Paul D. Dahlberg
 10-1-2018

Office of Construction and Facilities Management
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Drawing Title: WALL SECTIONS
 Approved: Project Director

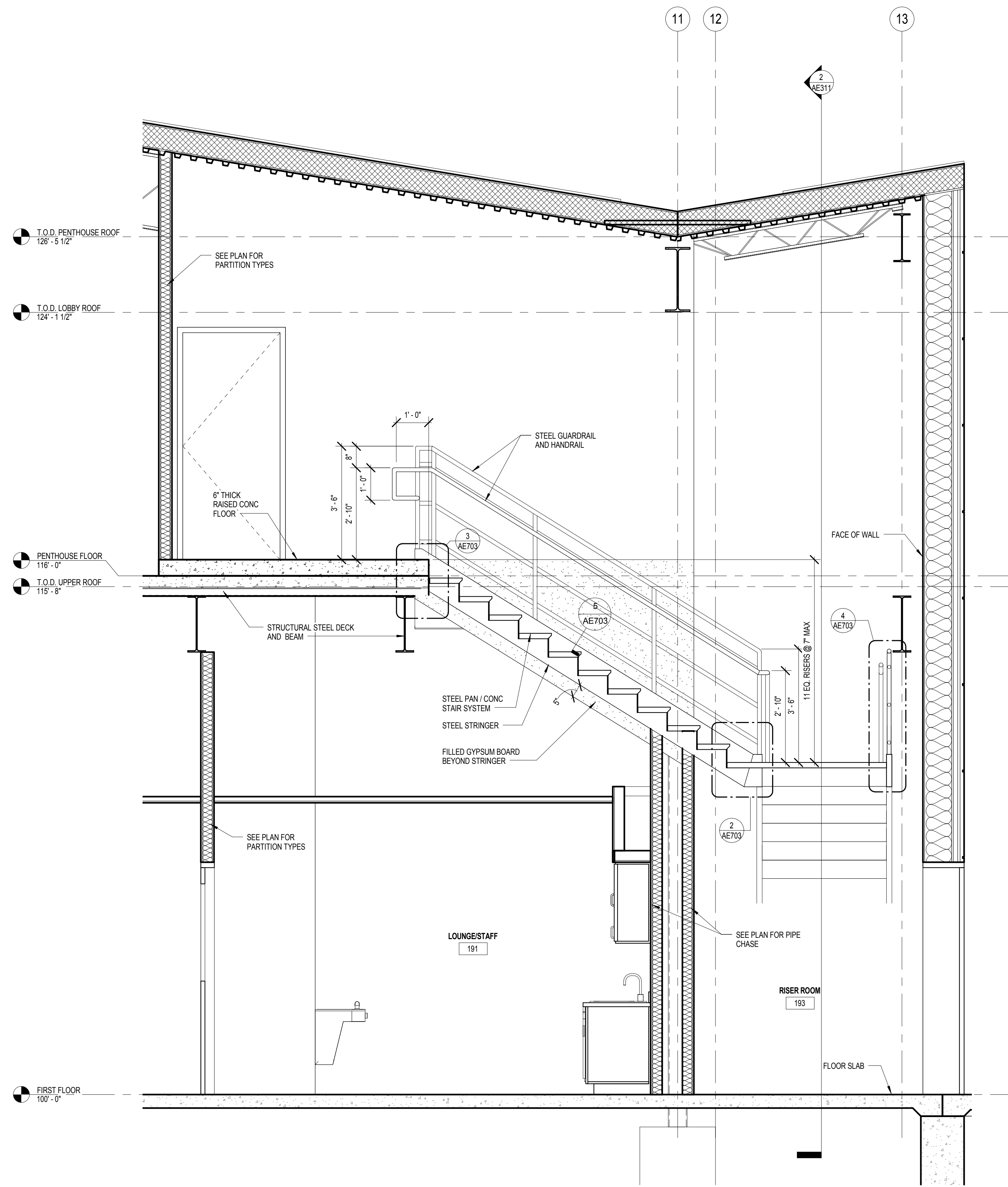
Phase: 100% BID DOCUMENTS
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Project Title: Outpatient Mental Health Building
 Project Number: VA #438-450
 Building Number: AE305
 Location: 2501 W 22nd St, Sioux Falls, SD, 57105
 Issue Date: 10/01/2018
 Checked: PDD
 Drawn: MMM

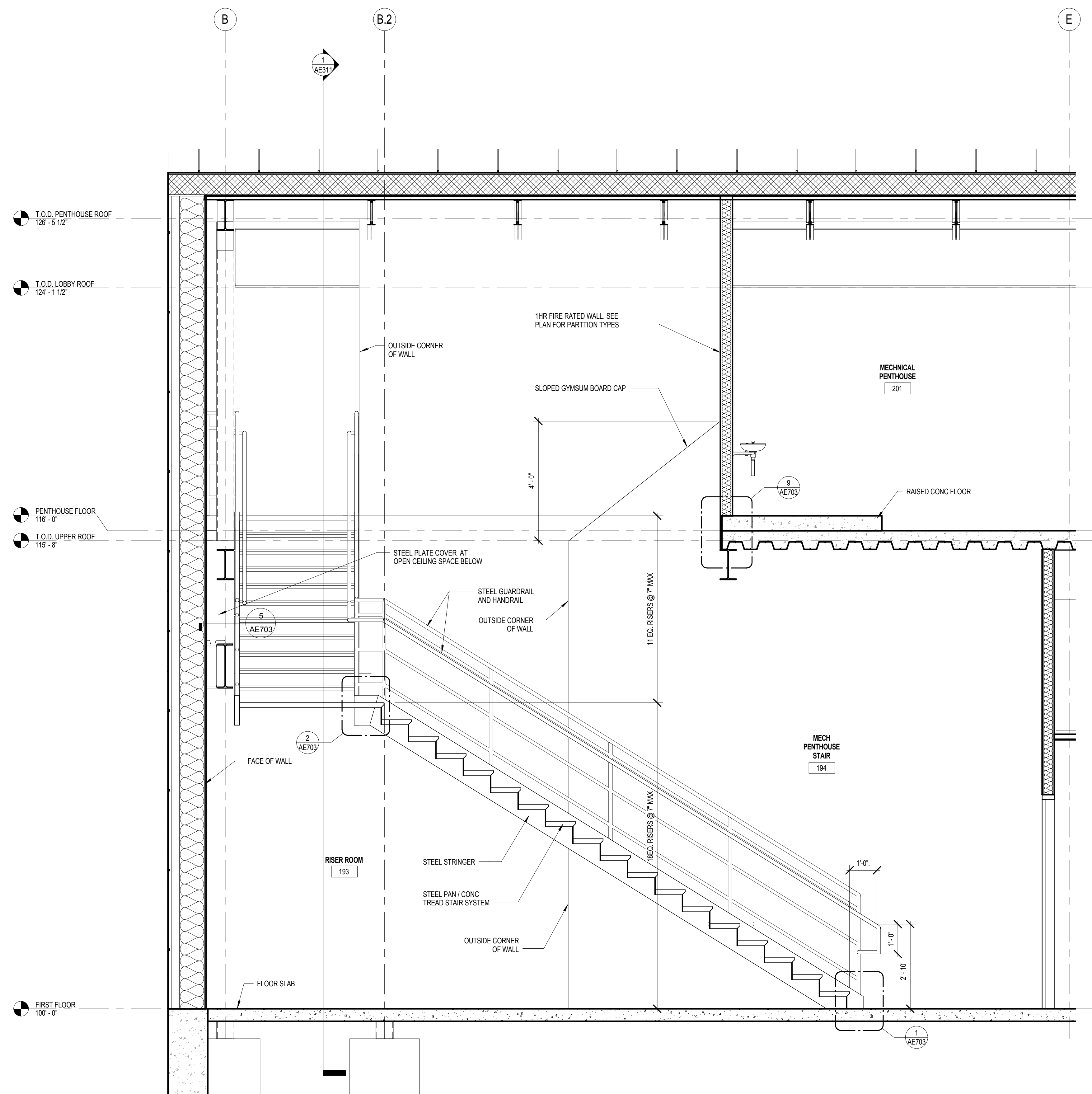
Drawing Number: AE305
 Dwg. 36 of 102

STAIR GENERAL NOTES

1. PROVIDE 1/4" PL CAP AT EXPOSED STL TUBE COLUMN AND STAIR STRINGER ENDS.
2. GRIND ALL WELDS SMOOTH
3. ALL STAIR COMPONENTS TO BE PRIMED AND PAINTED U.O.
4. THE HEIGHT AT INTERIOR STAIRS FROM FIRST FLOOR TO PENTHOUSE FLOOR MUST BE FIELD VERIFIED PRIOR TO FABRICATION
5. ALL INTERIOR STAIRS TO BE PAINTED



1 SECTION THRU STAIR - TOP RUN
1/2" = 1'-0"



2 SECTION THRU STAIR - LOWER RUN
1/2" = 1'-0"

0 1 2 4 6
SCALE: 1/2" = 1'-0"

NOT FOR CONSTRUCTION

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Revisions	Date

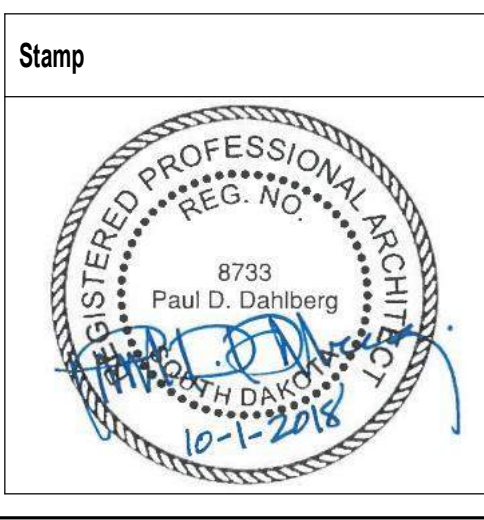
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Office of Construction and Facilities Management
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Drawing Title
PENTHOUSE STAIR SECTIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

Drawn
 PYC

Project Number
 VA #438-450

Building Number

Drawing Number
AE311

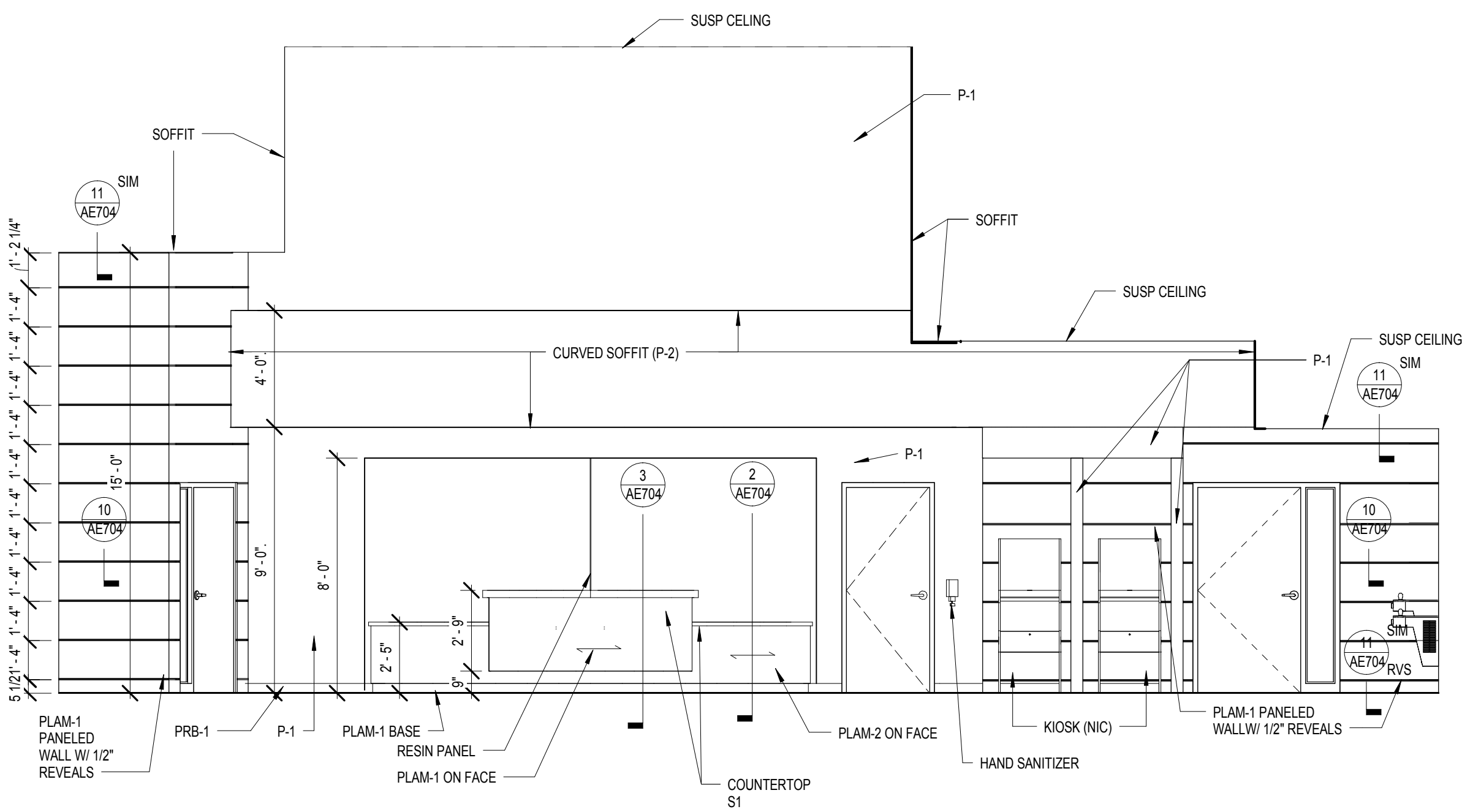
Dwg. 37 of 102

CASEWORK GENERAL NOTES

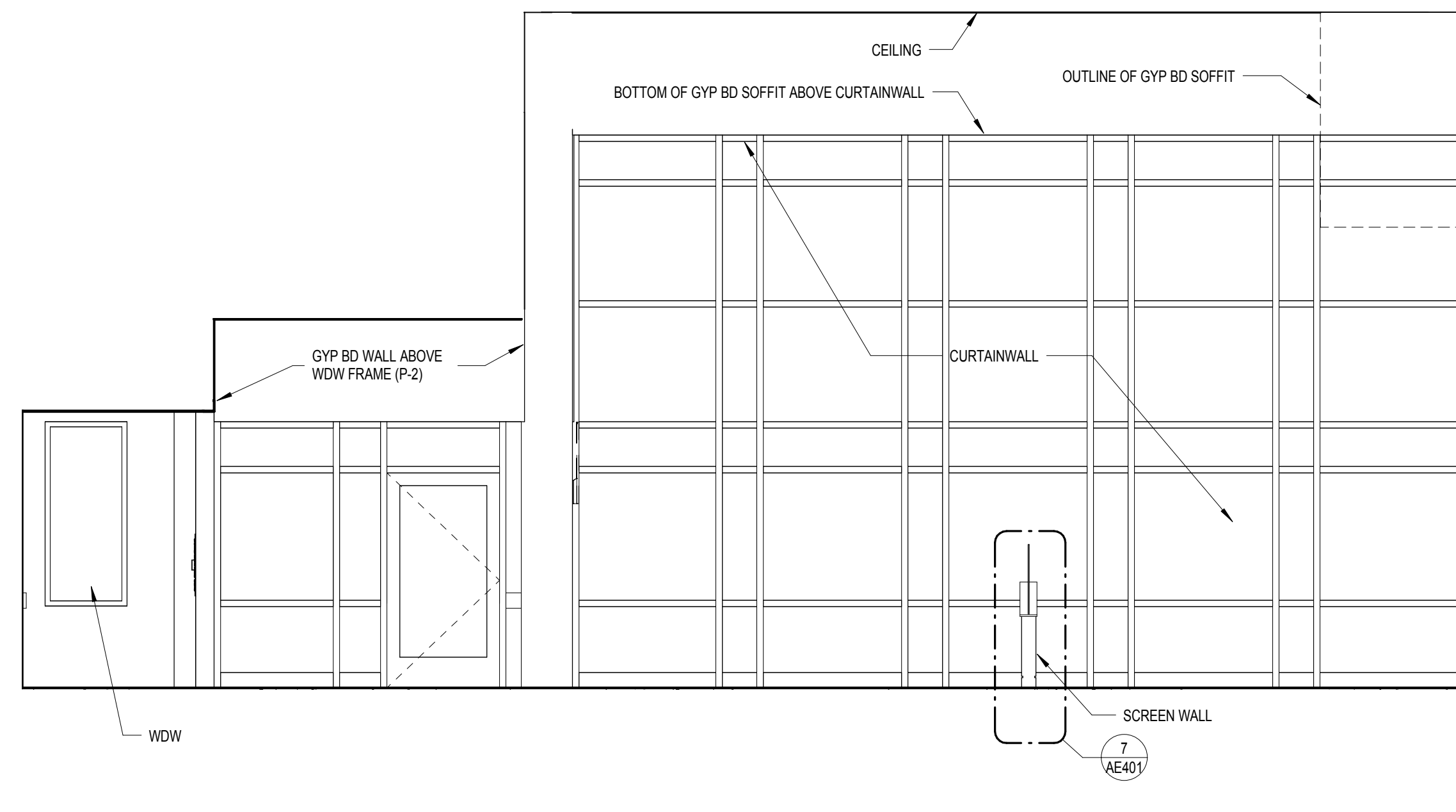
- FULL HEIGHT STORAGE CABINETS (UNO)
 - 2'-0" DEEP
 - 2'-0" MAX DOOR WIDTH
 - PROVIDE (6) ADJUSTABLE PLAM SHELVES
- BASE AND WALL CABINETS
 - WALL CABINETS 1'-0" DEEP CLEAR INSIDE MINIMUM
 - BASE CABINETS 2'-0" DEEP
 - (1) ADJUSTABLE PLAM SHELF AT 2'-0" HIGH WALL CABINETS
 - (2) ADJUSTABLE PLAM SHELVES AT 2'-6" WALL CABINETS
 - (3) ADJUSTABLE PLAM SHELVES AT 3'-0" HIGH WALL CABINETS
- PROVIDE LOCKS ON INDIVIDUAL DOORS AND DRAWERS WHERE INDICATED.
- PROVIDE CONTINUOUS SEALANT AT TOP OF BACKSPLASH/SIDESPLASHES.
- PROVIDE GROMMETS AT WORKSTATIONS, INCLUDING NURSE STATIONS, RECEPTION COUNTERS AND ALL OTHER WORK COUNTERS. CUT IN FIELD - PROVIDE ONE PER ELECTRICAL DEVICE BELOW COUNTER - COORDINATE LOCATION WITH OWNER.
- ALL COUNTERTOPS ARE 2'-1" DEEP (UNO).
- PROVIDE PLYWOOD BACKUP AT ALL SOLID SURFACE COUNTERTOPS.
- COUNTERTOP SUPPORT BRACKETS ARE PROVIDED BY THE CASEWORK SUPPLIER. PROVIDE BLOCKING AT EACH WALL SUPPORT.
- COORDINATE LOCATION OF ALL UNDERCOUNTER SUPPORT WITH OWNER FURNISHED/DOWNER INSTALLED EQUIPMENT.
- NO EXPOSED FASTENERS ON CASEWORK.
- ALL EXPOSED METAL CLIP ANGLES AND BRACKETS ARE TO BE PAINTED TO MATCH CASEWORK.
- ALL EXPOSED AND SEMI-EXPOSED SURFACES OF CASEWORK, SHELVING, BASE, FULL HEIGHT AND UPPER WALL CABINETS AND FINISHED END PANELS ARE PLAM (UNO).
- FIELD VERIFY SPACE AVAILABLE AT CABINET LOCATIONS PRIOR TO CASEWORK FABRICATION.
- ALL CABINETS TO RECEIVE BASE AS SCHEDULED FOR ROOM (UNO).
- PROVIDE HANGING FILE EDGE/HARDWARE WHERE FILE DRAWERS ARE INDICATED.
- PROVIDE A 1/4" GAP BETWEEN BOTTOM EDGE OF COUNTERTOP AND TOP EDGE OF DOOR FRONTS/DOORS OF CABINETS.
- PLASTIC LAMINATE COUNTERTOPS TO RECEIVE 3mm FLAT PVC EDGE (UNO).
- DIMENSIONS SHOWN ON CABINETS REFER TO NOMINAL WIDTH DIMENSIONS FOR THAT CABINET.
- ALL CABINETS (WALL AND BASE) AT ROOM # 147, 164 AND 166 ARE LOCKABLE.

SCALE: 1/4" = 1'-0"

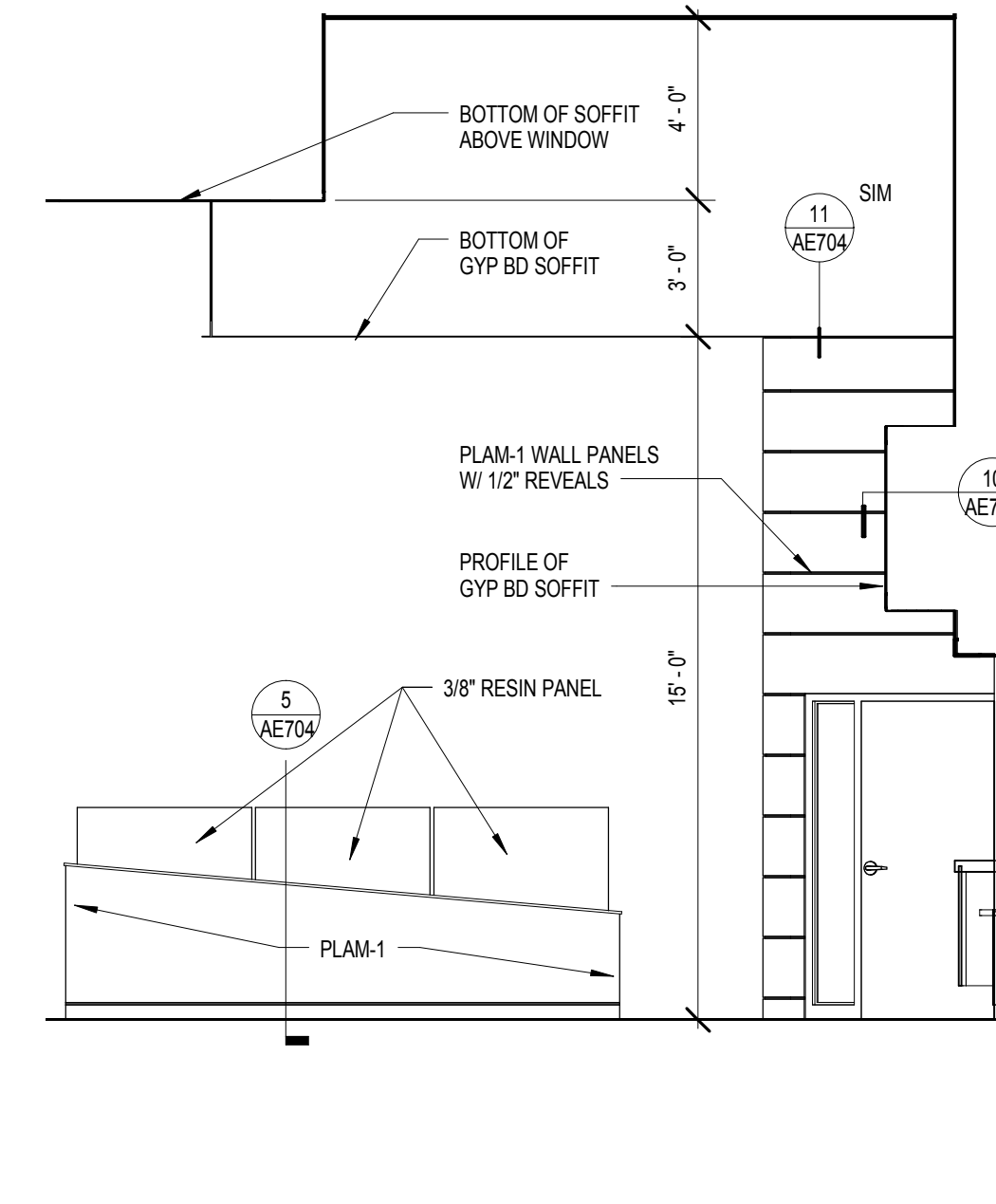
NOT FOR CONSTRUCTION



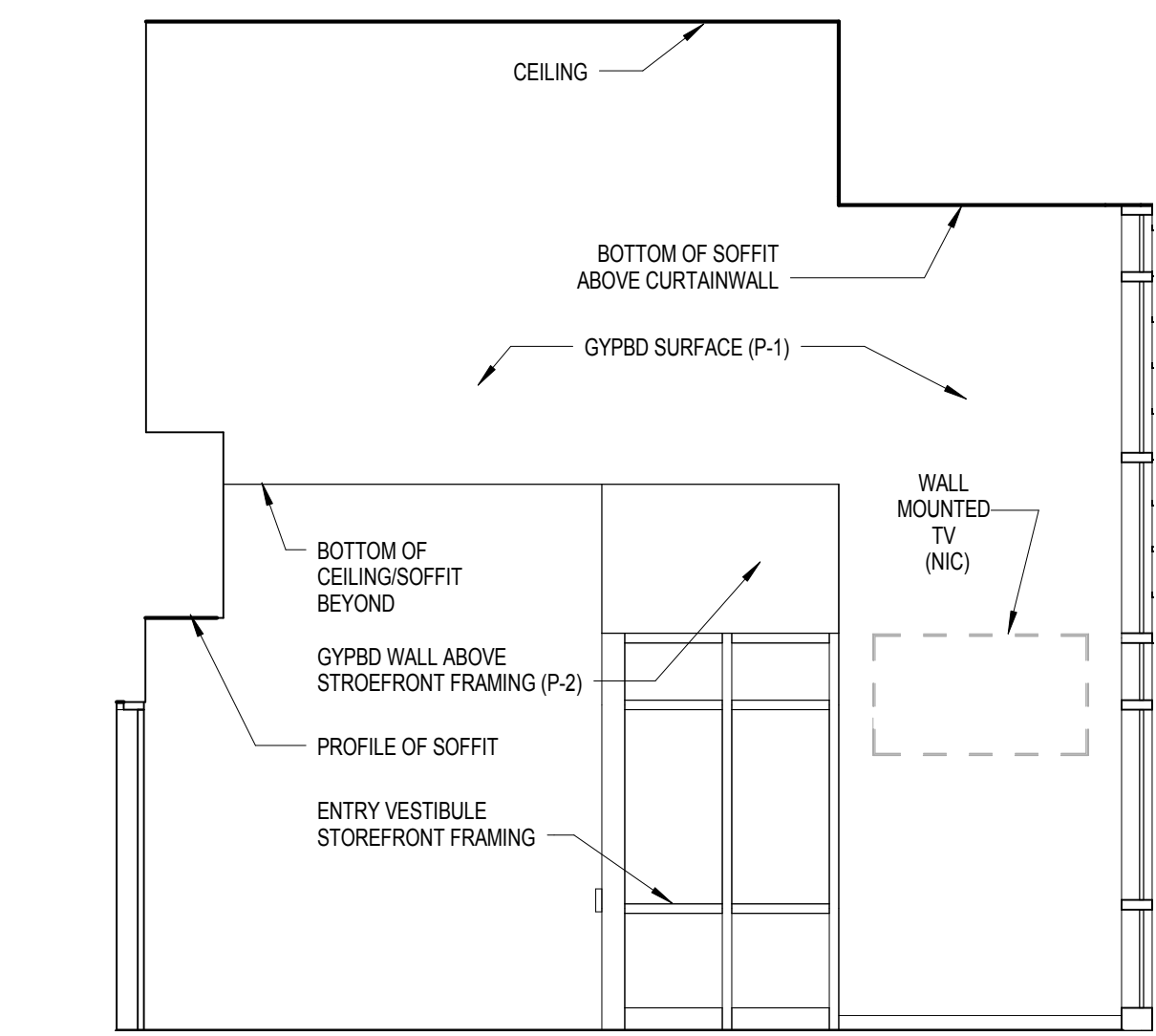
1 INTERIOR ELEVATION - 101
1/4" = 1'-0"



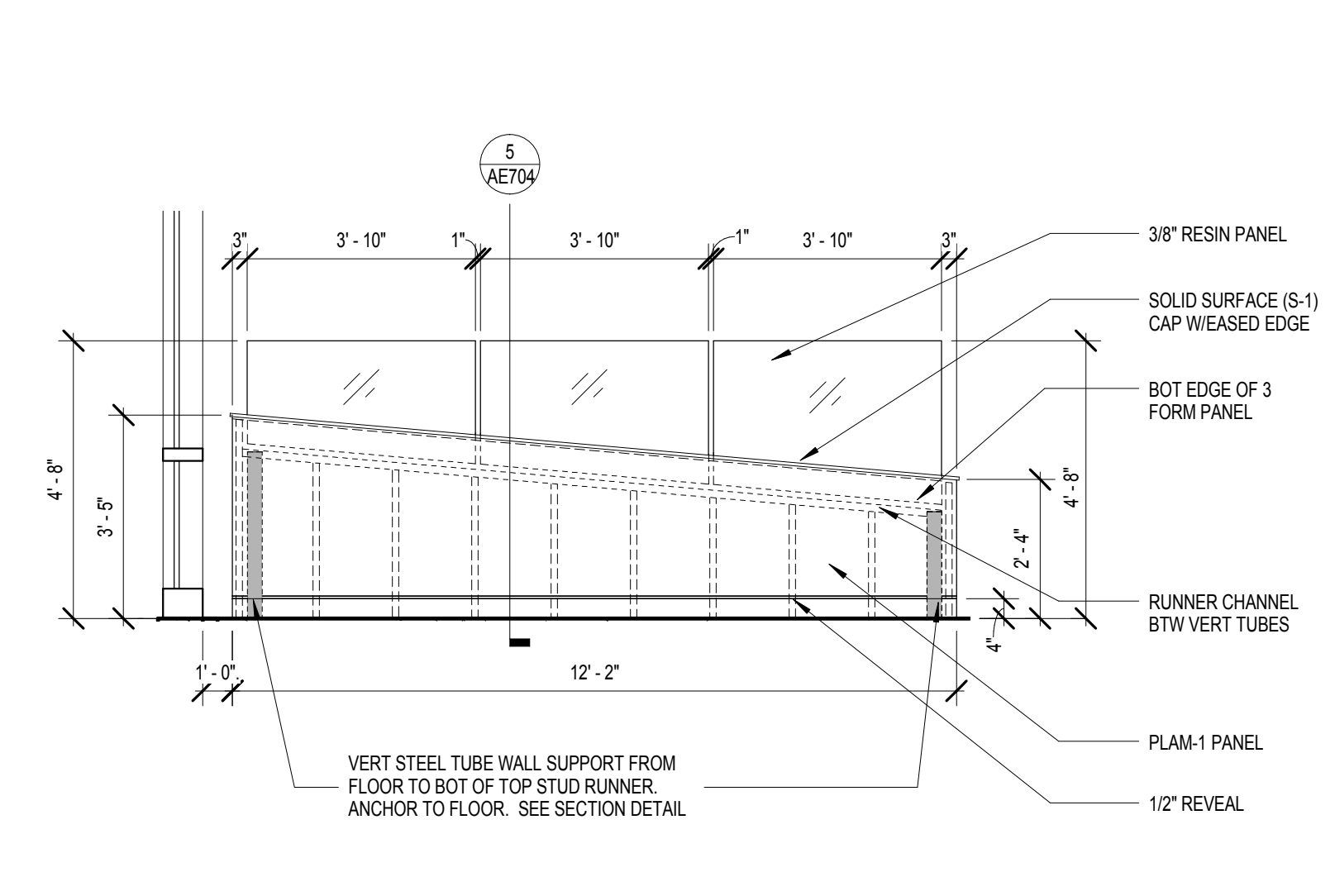
2 INTERIOR ELEVATION - 101
1/4" = 1'-0"



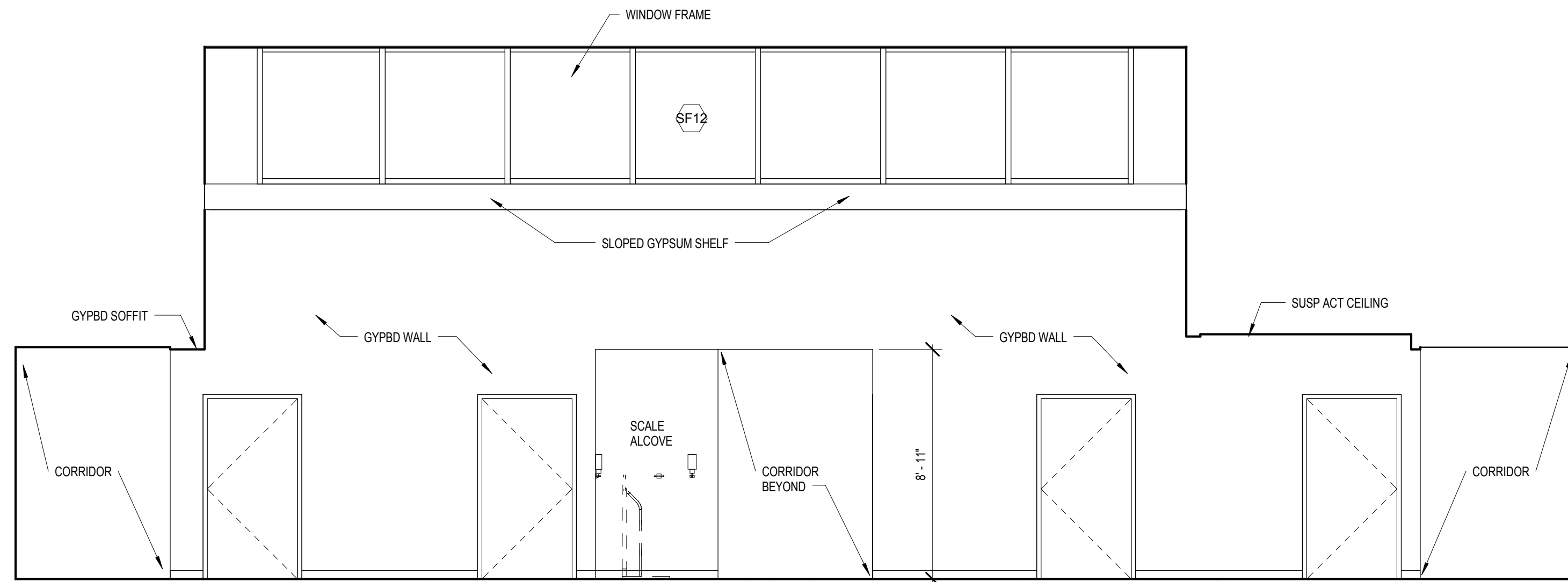
3 INTERIOR ELEVATION - 101
1/4" = 1'-0"



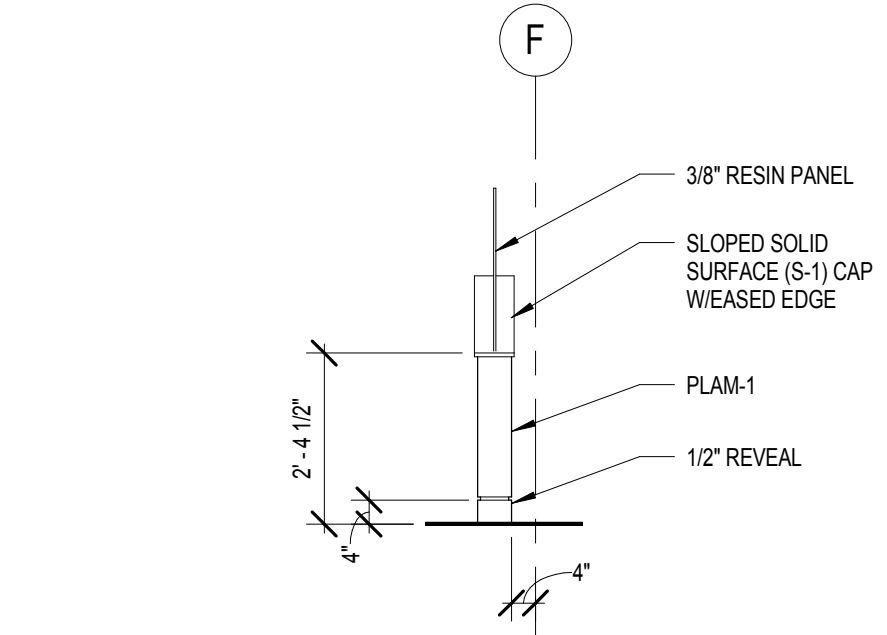
4 INTERIOR ELEVATION - 101
1/4" = 1'-0"



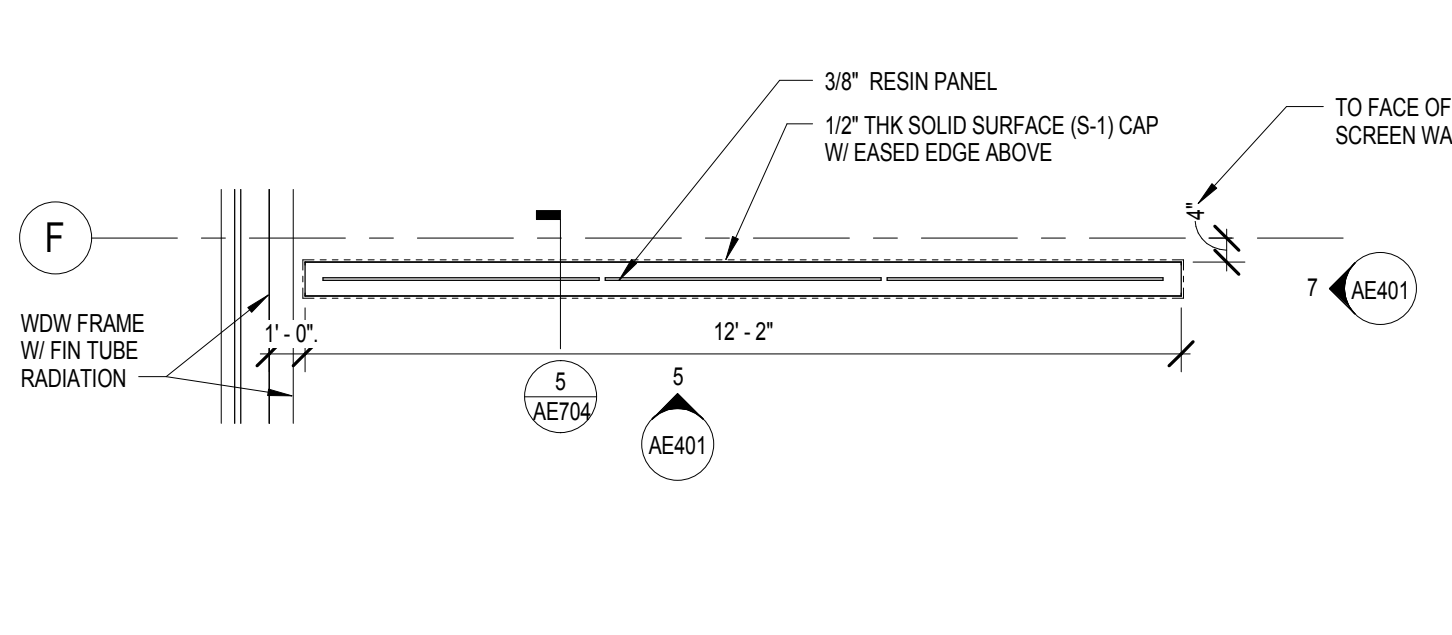
5 INTERIOR ELEVATION - SCREEN WALL
3/8" = 1'-0"



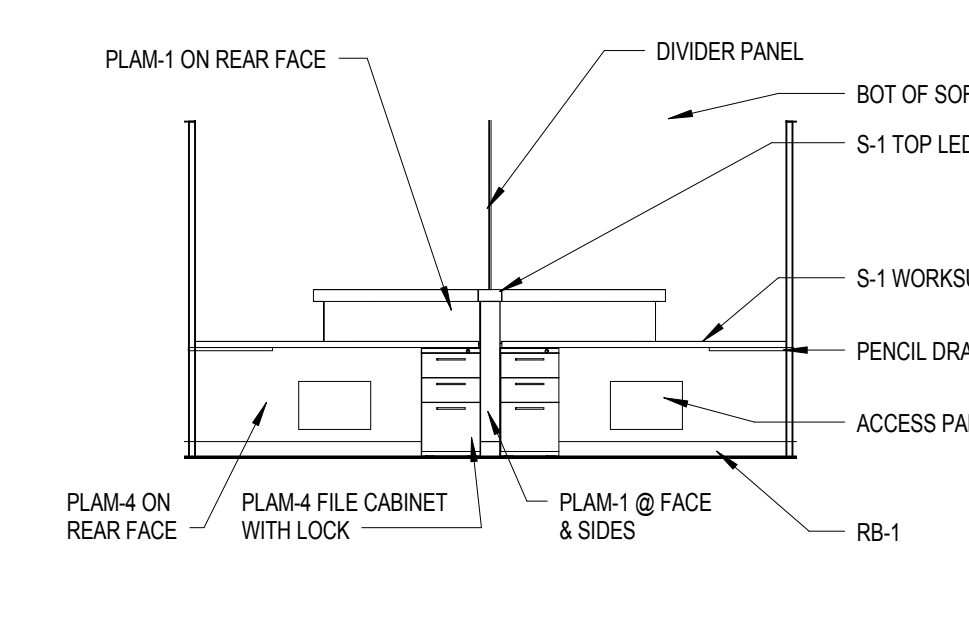
6 INTERIOR ELEVATION - 148
1/4" = 1'-0"



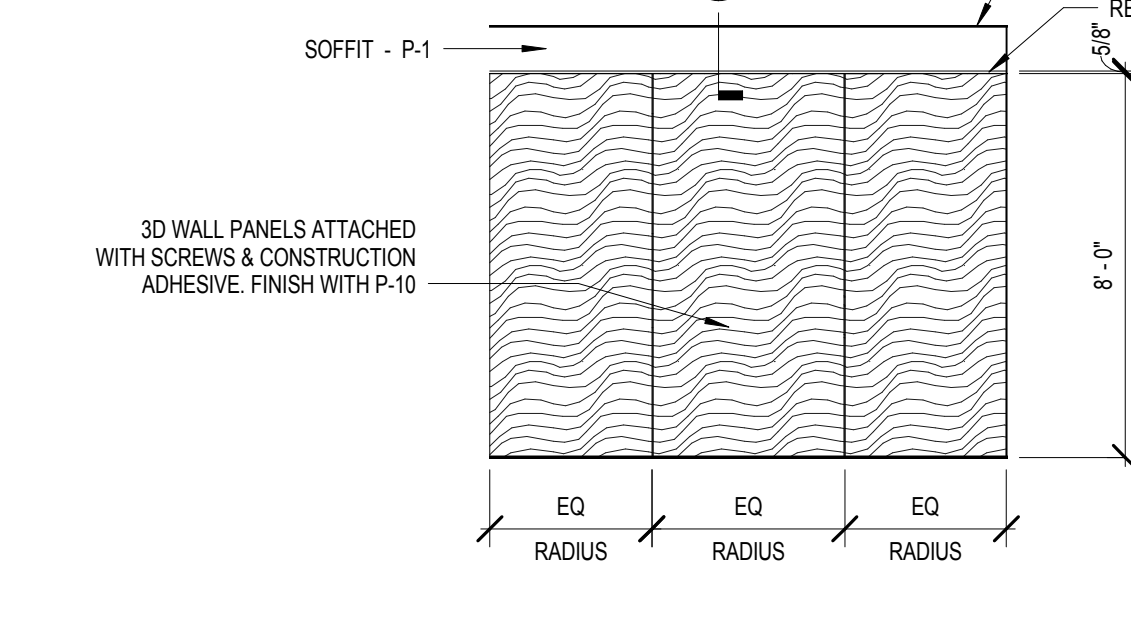
7 INTERIOR ELEVATION - SCREEN WALL
3/8" = 1'-0"



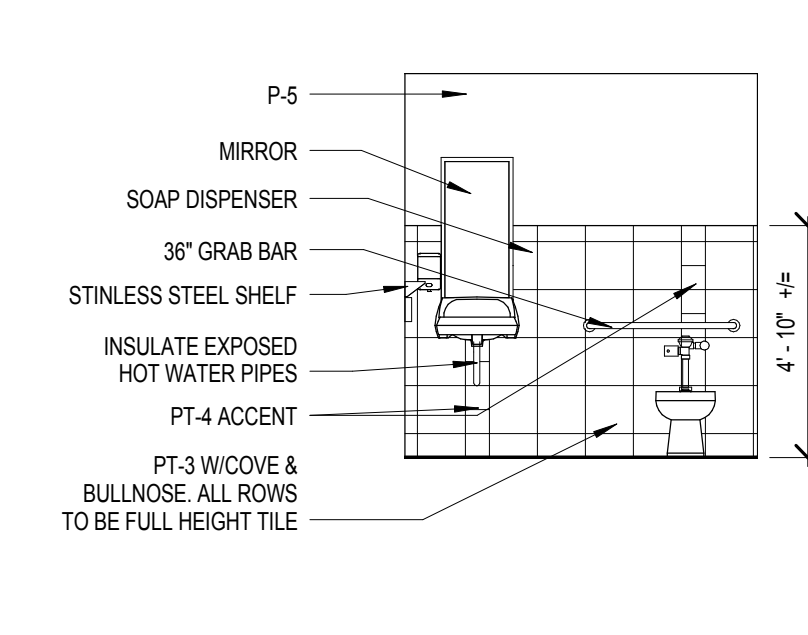
8 ENLARGED PLAN - SCREEN WALL
3/8" = 1'-0"



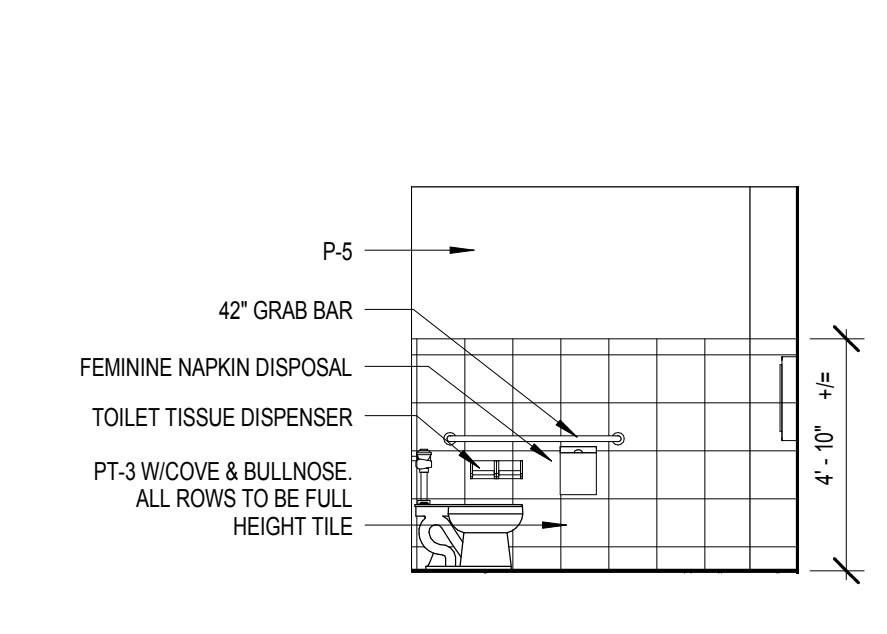
9 INTERIOR ELEVATION - 104
1/4" = 1'-0"



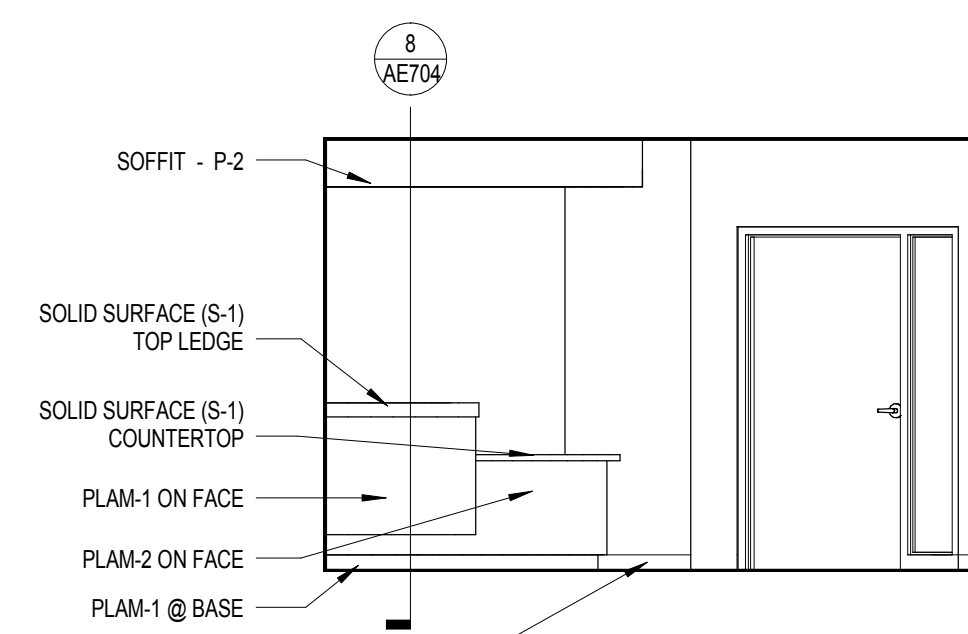
10 INTERIOR ELEVATION - 104
1/4" = 1'-0"



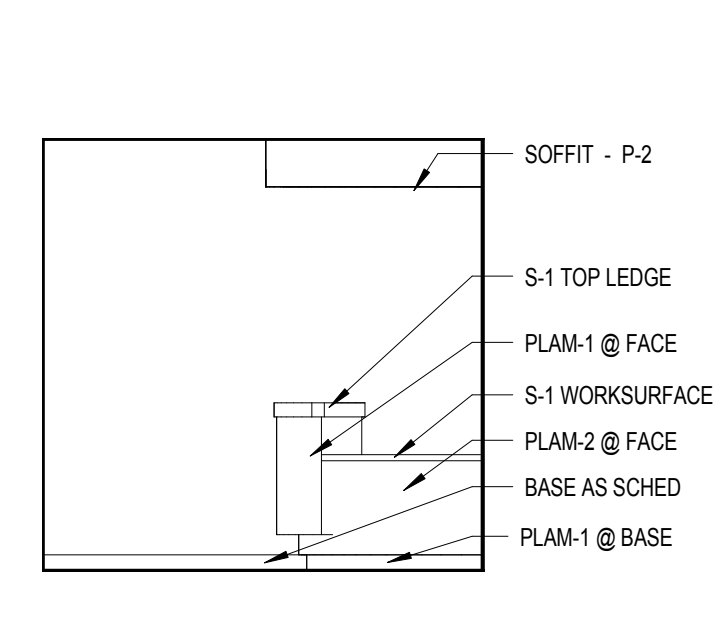
11 INTERIOR ELEVATION - 102
1/4" = 1'-0"



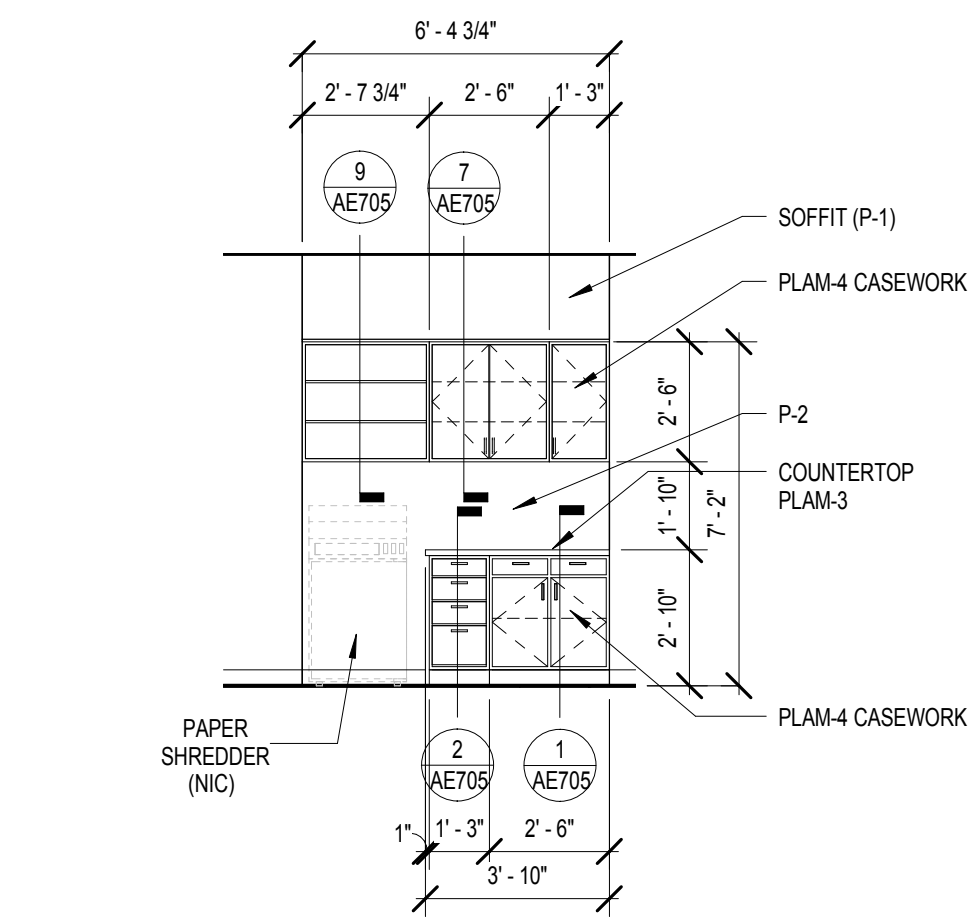
12 INTERIOR ELEVATION - 102
1/4" = 1'-0"



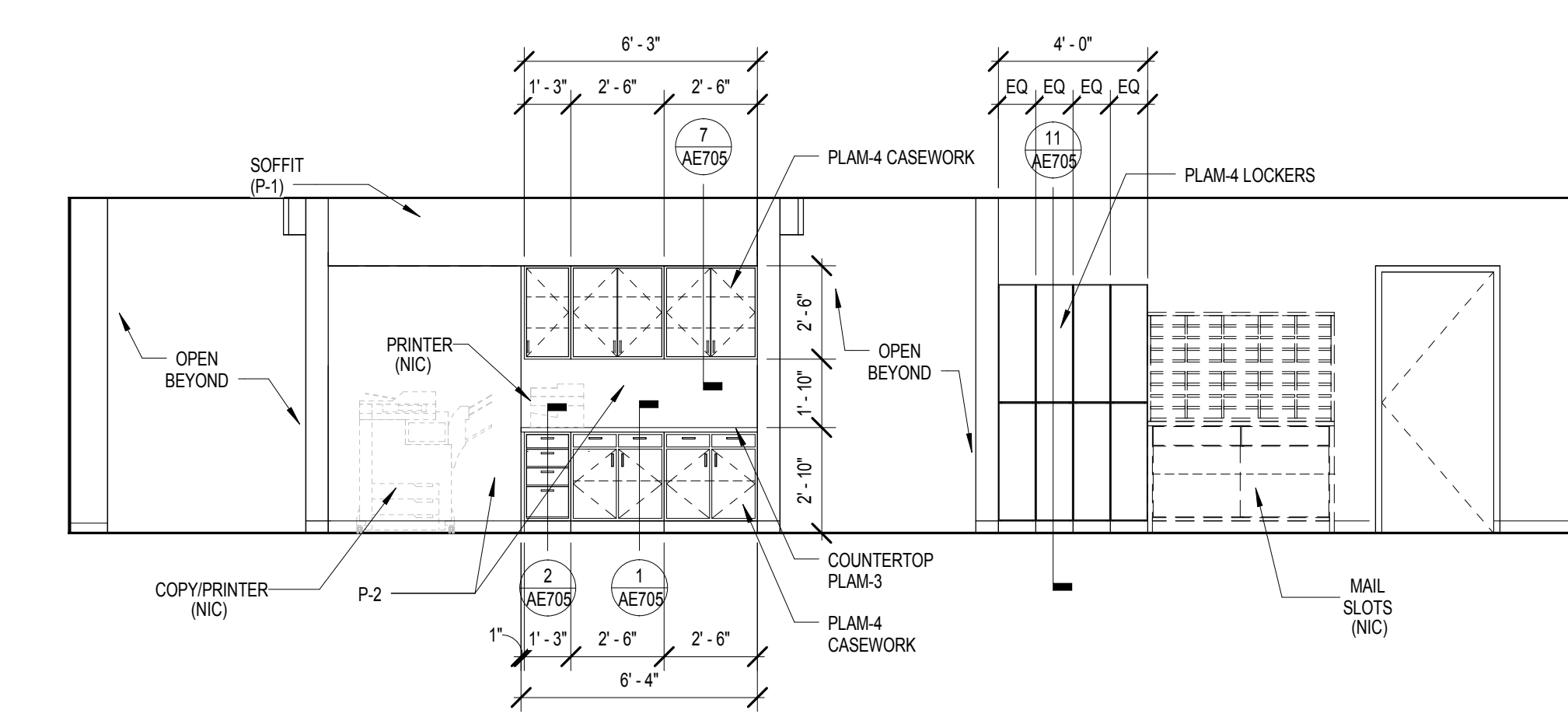
13 INTERIOR ELEVATION - 105
1/4" = 1'-0"



14 INTERIOR ELEVATION - 105
1/4" = 1'-0"



15 INTERIOR ELEVATION - 108
1/4" = 1'-0"



16 INTERIOR ELEVATION - 108
1/4" = 1'-0"

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Revisions	Date

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Stamp: REGISTERED PROFESSIONAL ARCHITECT
 REG. NO. 8733
 Paul D. Dahlberg
 10-1-2018

AE PROJECT NO.: 14541

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

Drawing Title
INTERIOR ELEVATIONS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
 VA #438-450

Building Number

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

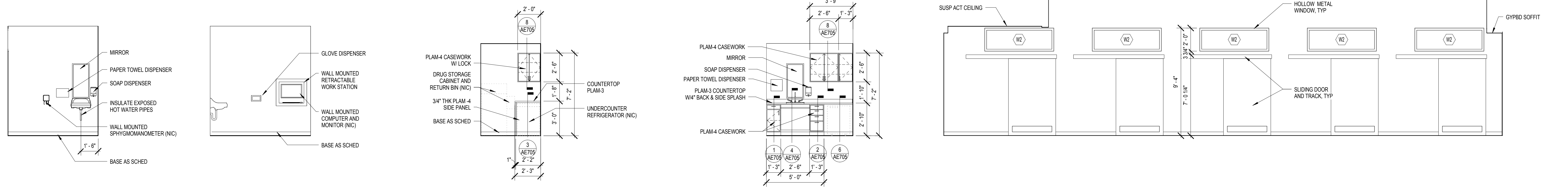
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Drawing Number
AE401

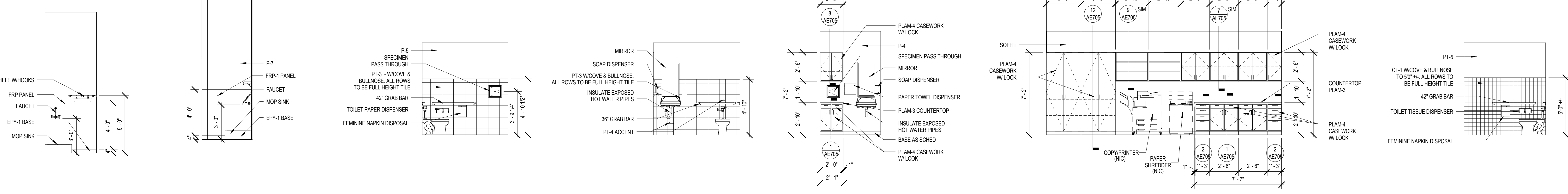
Dwg. 38 of 102

CASEWORK GENERAL NOTES

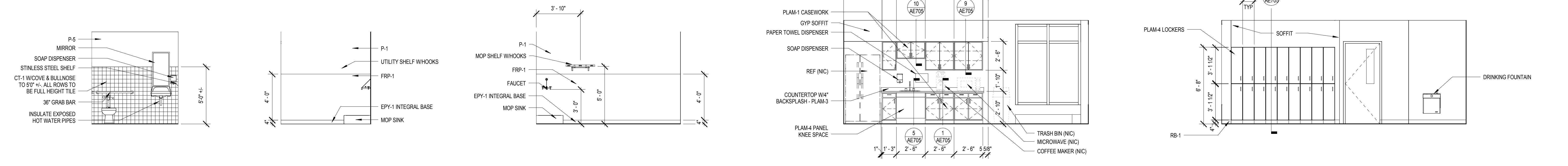
- FULL HEIGHT STORAGE CABINETS (UNO)
 - 2'-0" DEEP
 - 2'-0" MAX DOOR WIDTH
 - PROVIDE (5) ADJUSTABLE PLAM SHELVES
- BASE AND WALL CABINETS
 - WALL CABINETS 3'-0" DEEP CLEAR INSIDE MINIMUM
 - BASE CABINETS 2'-0" DEEP
 - (1) ADJUSTABLE PLAM SHELF AT 2'-0" HIGH WALL CABINETS
 - (2) ADJUSTABLE PLAM SHELVES AT 2'-6" WALL CABINETS
 - (3) ADJUSTABLE PLAM SHELVES AT 3'-0" HIGH WALL CABINETS
- PROVIDE LOCKS ON INDIVIDUAL DOORS AND DRAWERS WHERE INDICATED.
- PROVIDE CONTINUOUS SEALANT AT TOP OF BACKSPLASH/SURFACES.
- PROVIDE GROMMETS AT WORKSTATIONS, INCLUDING NURSE STATIONS, RECEPTION COUNTERS AND ALL OTHER WORK COUNTERS. CUT IN FIELD - PROVIDE PER ELECTRICAL DEVICE BELOW COUNTER - COORDINATE LOCATION WITH OWNER.
- ALL COUNTERTOPS ARE 2'-1" DEEP (UNO).
- PROVIDE PL-WOOD BACKUP AT ALL SOLID SURFACE COUNTERTOPS.
- COUNTERTOP SUPPORT BRACKETS ARE PROVIDED BY THE CASEWORK SUPPLIER. PROVIDE BLOCKING AT EACH WALL SUPPORT.
- COORDINATE LOCATION OF ALL UNDERCOUNTER SUPPORT WITH OWNER/FURNISH/OWNER INSTALLED EQUIPMENT.
- NO EXPOSED FASTENERS ON CASEWORK.
- ALL EXPOSED METAL CLIP ANGLES AND BRACKETS ARE TO BE PAINTED TO MATCH CASEWORK.
- ALL EXPOSED AND SEMI-EXPOSED SURFACES OF CASEWORK, SHELVING, BASE, FULL HEIGHT AND UPPER WALL CABINETS AND FINISHED END PANELS ARE PLAM (UNO).
- FIELD VERIFY SPACE AVAILABLE AT CABINET LOCATIONS PRIOR TO CASEWORK FABRICATION.
- ALL CABINETS TO RECEIVE BASE AS SCHEDULED FOR ROOM (UNO).
- PROVIDE HANGING FILE EDGEHARDWARE WHERE FILE DRAWERS ARE INDICATED.
- PROVIDE A 1/4" GAP BETWEEN BOTTOM EDGE OF COUNTERTOP AND TOP EDGE OF DOOR FRONTS/DOORS OF CABINETS.
- PLASTIC LAMINATE COUNTERTOPS TO RECEIVE 3mm FLAT PVC EDGE (UNO).
- DIMENSIONS SHOWN ON CABINETS REFER TO NOMINAL WIDTH DIMENSIONS FOR THAT CABINET.
- ALL CABINETS (WALL AND BASE) AT ROOM # 147, 164 AND 166 ARE LOCKABLE.



1 INTERIOR ELEVATION - 122 1/4" = 1'-0" 2 INTERIOR ELEVATION - 122 1/4" = 1'-0" 3 INTERIOR ELEVATION - 147 1/4" = 1'-0" 4 INTERIOR ELEVATION - 189 1/4" = 1'-0" 5 INTERIOR ELEVATION - 148 1/4" = 1'-0"



7 INTERIOR ELEVATION - 150 1/4" = 1'-0" 8 INTERIOR ELEVATION - 150 1/4" = 1'-0" 9 INTERIOR ELEVATION - 151 1/4" = 1'-0" 10 INTERIOR ELEVATION - 164 1/4" = 1'-0" 11 INTERIOR ELEVATION - 166 1/4" = 1'-0" 12 INTERIOR ELEVATION - 188 1/4" = 1'-0"



13 INTERIOR ELEVATION - 188 1/4" = 1'-0" 14 INTERIOR ELEVATION - 190 1/4" = 1'-0" 15 INTERIOR ELEVATION - 190 1/4" = 1'-0" 16 INTERIOR ELEVATION - 191 1/4" = 1'-0" 17 INTERIOR ELEVATION - 191 1/4" = 1'-0"

UNIVERSAL MOUNTING HEIGHTS FOR FIXTURES, ACCESSORIES, EQUIPMENT AND DEVICES (MOUNTING HEIGHTS MEET ACCESSIBLE REQUIREMENTS)			
PLUMBING FIXTURES - STANDARD MOUNTING HEIGHTS		ACCESSORIES - STANDARD MOUNTING HEIGHTS	
<p>42" MIN 12" MAX 17" MIN 11" MIN 33" MAX 3" MIN</p> <p>SIDE WALL</p>	<p>12" MIN 1'-0" 36" MIN 24" MIN 2'-10" MAX 3'-0" MAX</p> <p>BACK WALL</p>	<p>3'-4" MAX 1'-7" 2'-7"</p> <p>WATER FOUNTAIN</p>	<p>4'-0" UNO</p> <p>FIRE EXTINGUISHER CABINET</p>
<p>33" MAX 17" MIN 11" MIN 3" MIN</p> <p>FLOOR SET WATER CLOSET HORIZONTAL AND VERTICAL GRAB BARS (FND, FEMININE NAPKIN DISPOSAL, TTD, TOILET TISSUE DISPENSER)</p>	<p>3'-4" MAX 2'-7" 1'-7" 3'-6"</p> <p>WALL HUNG LAVATORY (LAV, LAVATORY, SD, SOAP DISPENSER)</p>	<p>4'-6" UNO</p> <p>SHARPS DISPENSER</p>	<p>4'-8" UNO</p> <p>GLOVE BOX DISPENSER</p>
<p>3'-4" MAX 2'-7" 1'-7" 3'-6"</p> <p>TOILET PAPER DISPENSER</p>	<p>3'-4" UNO</p> <p>PAPER TOWEL DISPENSER</p>	<p>5'-0"</p> <p>COAT HOOK</p>	<p>3'-6"</p> <p>SOAP DISPENSER</p>
<p>3'-6"</p> <p>HAND SANITIZER</p>	<p>4'-0"</p> <p>SHELF</p>	<p>4'-0"</p> <p>EYE WASH STATION</p>	<p>4'-0"</p> <p>BABY CHANGING STATION</p>

NOTE: PROVIDE SOLID WOOD BLOCKING FOR ALL FIXTURES, ACCESSORIES, EQUIPMENT, DEVICES, FURNISHINGS, ETC. REQUIRING ADDITIONAL SUPPORT.



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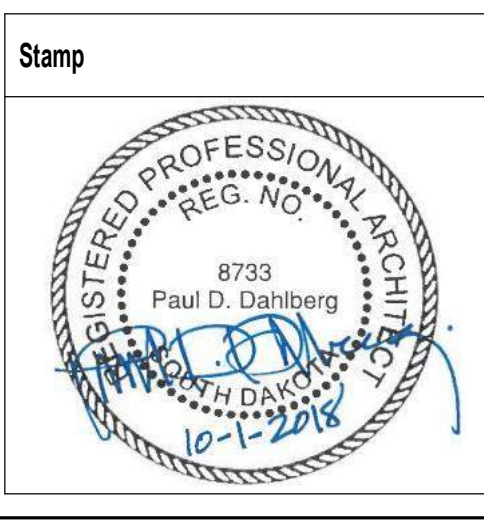
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Revisions	Date

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AE PROJECT NO.: 14541



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

Drawing Title
INTERIOR ELEVATIONS AND MOUNTING HEIGHTS
 Approved: Project Director

Phase
100% BID DOCUMENTS
FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
VA #438-450

Building Number

Drawing Number
AE402

Dwg. 39 of 102

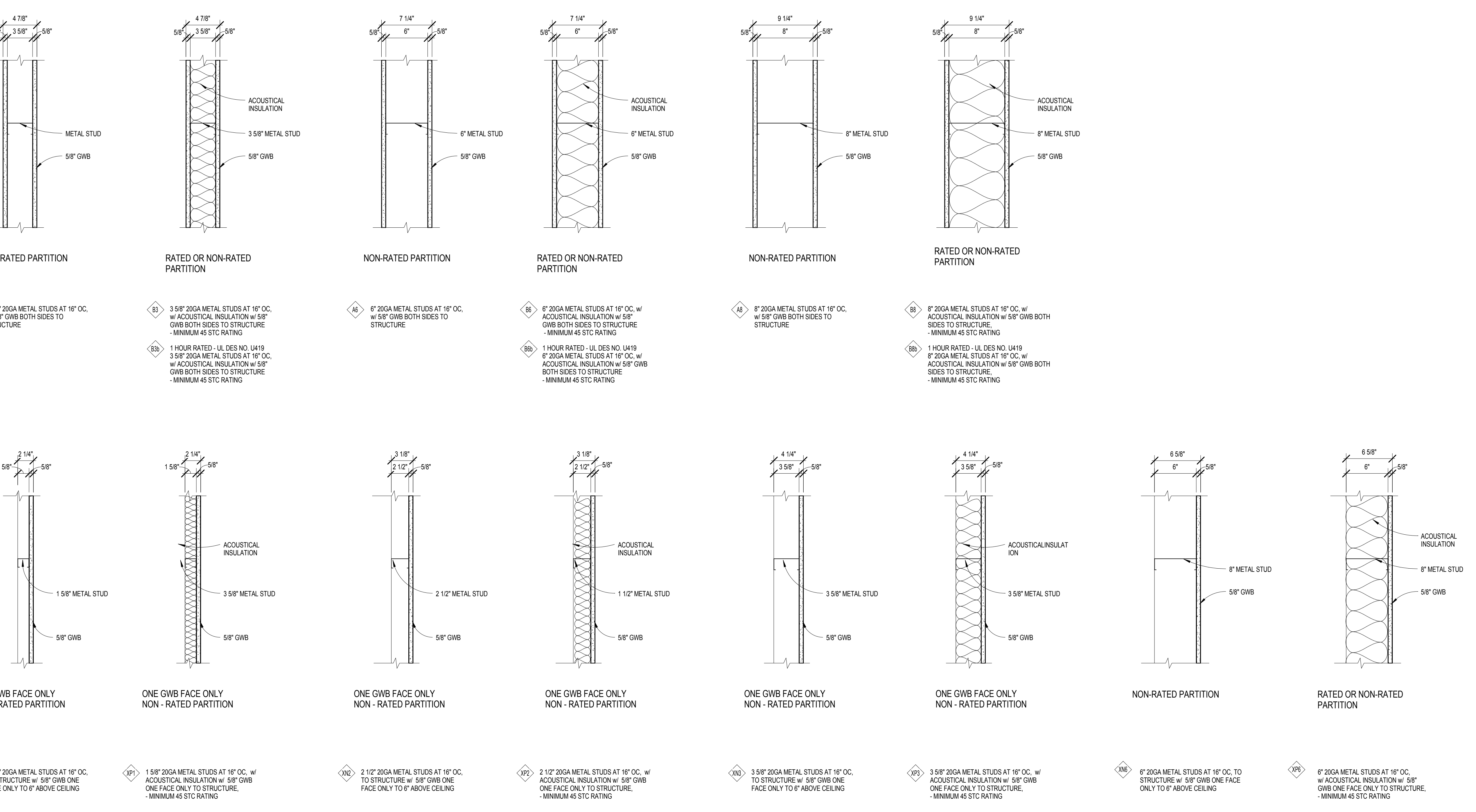
Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

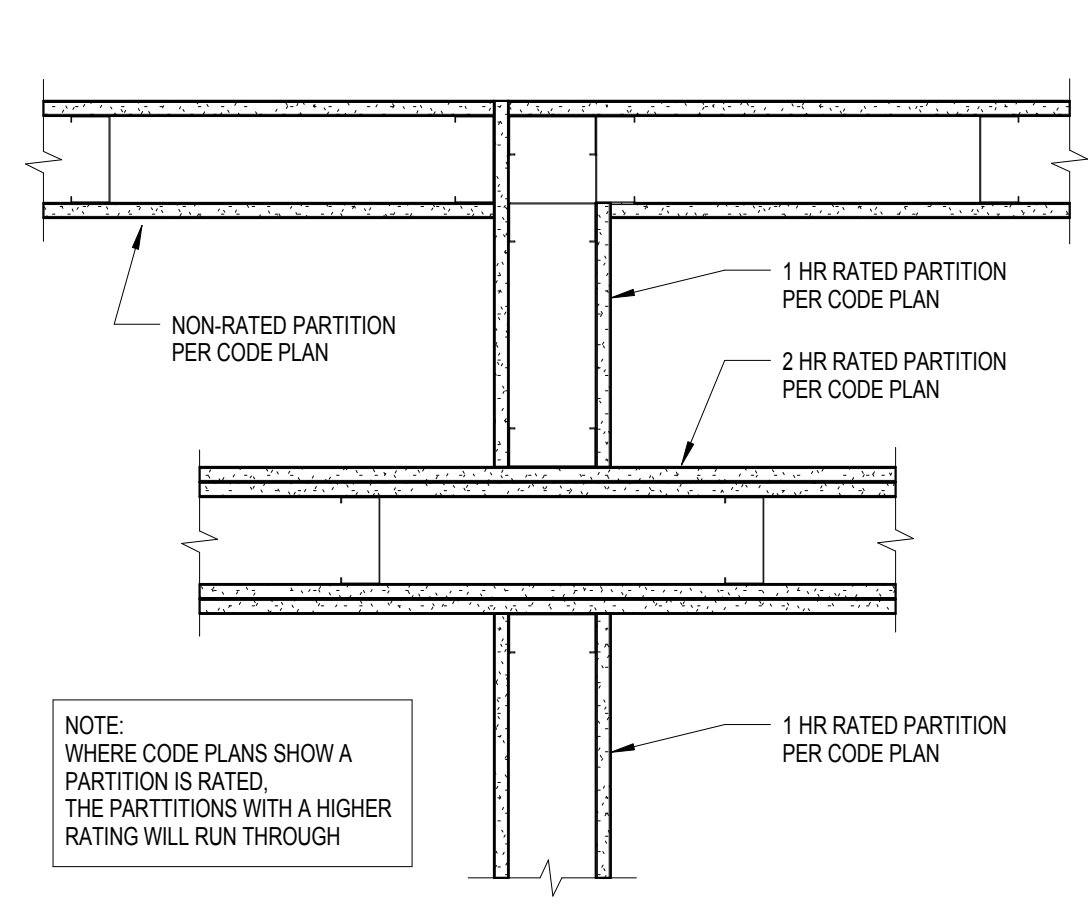
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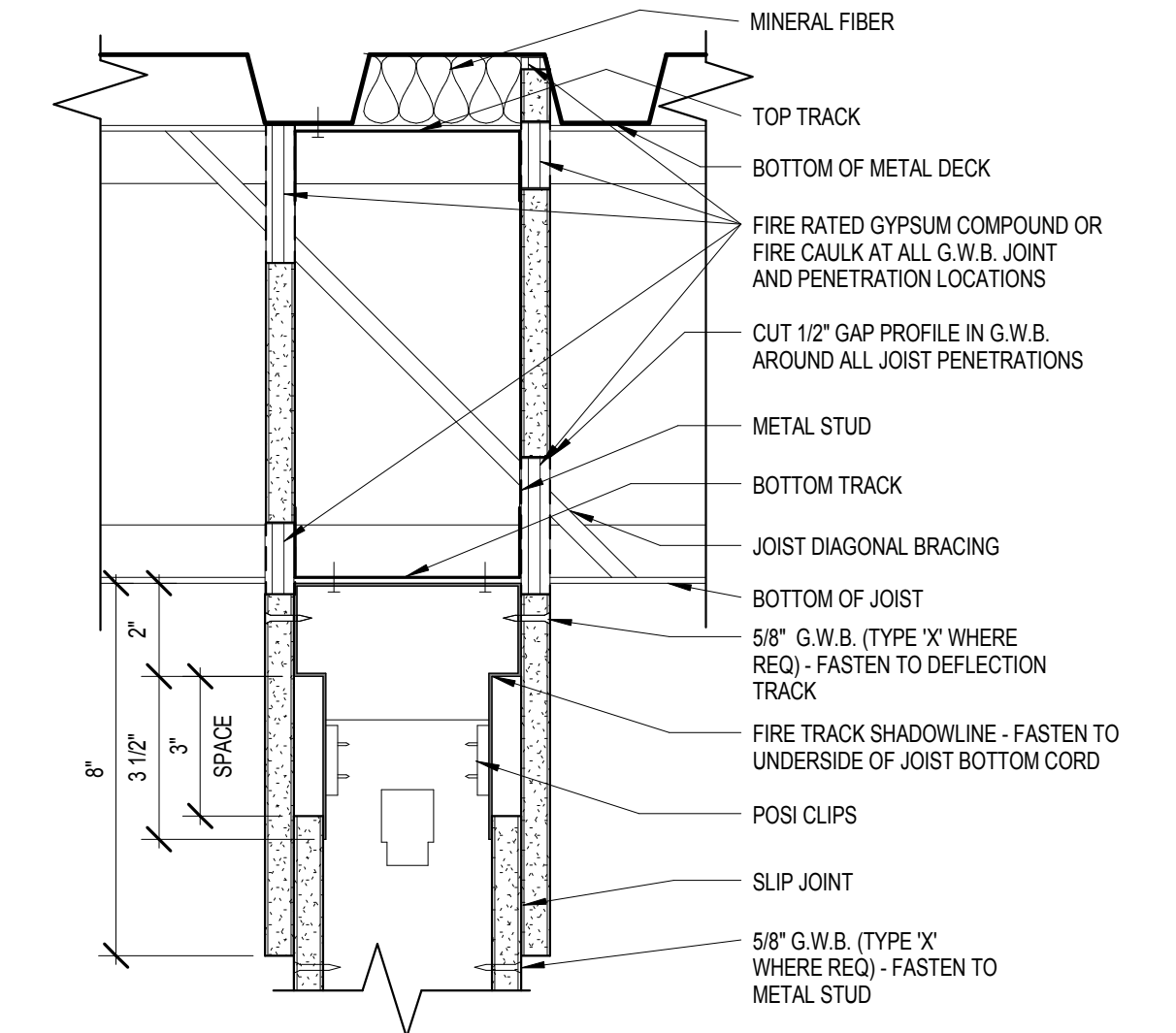
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E



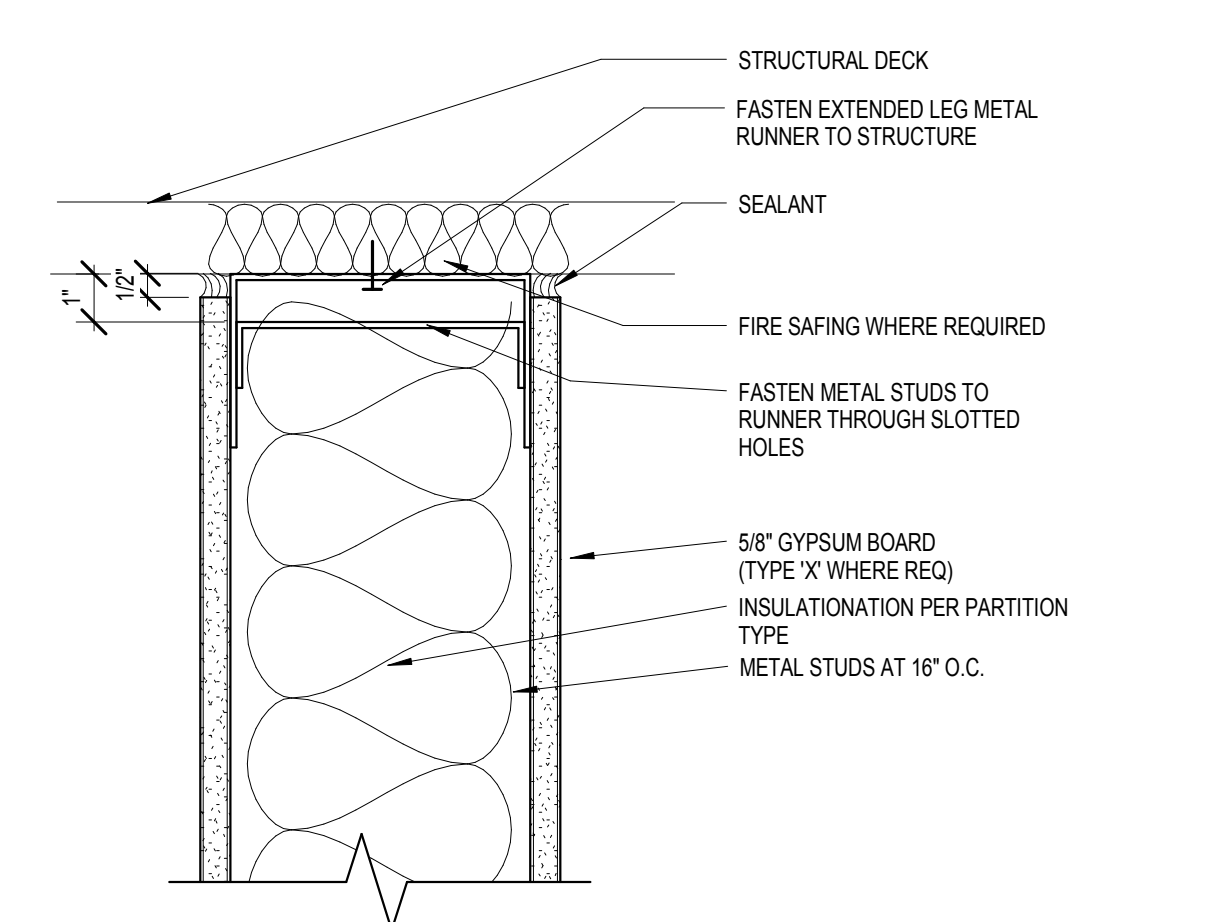
PARTITION TYPES



1 GUIDELINE - RATED WALL INTERSECTION
1 1/2" ± 1/4"

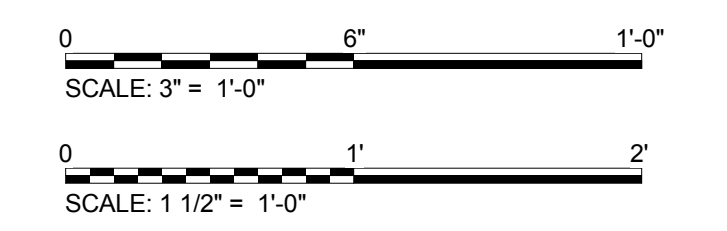


2 WALL TERMINATION DETAIL
3" ± 1/4"



3 WALL TERMINATION DETAIL
3" ± 1/4"

- PARTITION TYPE NOTES**
- SEE CODE PLANS FOR REQUIRED PARTITION FIRE RATINGS.
 - GYPSUM BOARD AND METAL STUDS USED IN FIRE RATED SEPARATION PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE, UNLESS NOTED OTHERWISE.
 - WHERE SMOKE PARTITIONS ARE REQUIRED BY CODE PLANS, THE FOLLOWING APPLIES TO ALL NON-ACOUSTICAL TYPE SMOKE PARTITIONS: EXTEND GYPSUM BOARD ON CORRIDOR SIDE TO STRUCTURE ABOVE. SEAL TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH PARTITION ON CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE OF 400 DEGREES FAHRENHEIT. ALL SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL. ROOM SIDE GYPSUM BOARD CAN EXTEND TO 6" ABOVE FINISHED CEILING.
 - WHERE SMOKE PARTITIONS ARE REQUIRED BY CODE PLANS, THE FOLLOWING APPLIES TO ALL ACOUSTICAL TYPE SMOKE PARTITIONS: EXTEND GYPSUM BOARD ON BOTH SIDES TO STRUCTURE ABOVE. SEAL TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH THE PARTITION ON THE CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE RATING OF 400 DEGREES FAHRENHEIT. PROVIDE REQUIRED ACOUSTIC SEALANT ON ROOM SIDE AT TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH PARTITION. ALL SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL.
 - CONTRACTORS TO VERIFY CONDITIONS ABOVE CEILING AT EXISTING PARTITIONS IDENTIFIED WITH FIRE/SMOKE PARTITION SYMBOLS. REPAIR CONDITIONS THAT DO NOT MEET REQUIREMENTS OF THE INDICATED FIRE/SMOKE RATINGS SHOWN, SUCH AS BUT NOT LIMITED TO OPENINGS IN PARTITIONS, GAPS AROUND DUCTWORK, PIPES AND CONDUIT, MISSING SMOKE DAMPERS, ETC.
 - DIMENSIONS TO METAL STUD PARTITION ARE MEASURED TO CENTER OF PARTITION UNLESS NOTED OTHERWISE.
 - THE DIMENSION SHOWING THE LOCATION OF A DOOR FRAME IN GYPSUM BOARD WALLS IS TO THE INSIDE OF THE DOOR FRAME (DOOR OPENING). PROVIDE 4" TYPICAL DIMENSION IF NO DIMENSION IS SHOWN.
 - SOUND ATTENUATION/INSULATION MEANS GLASS FIBER OR MINERAL WOOL BATTS OR BLANKETS BEARING THE UL LABEL FOR FIRE RESISTANCE. VERIFY TYPE AND DENSITY (PCF) WITH FIRE TEST NUMBER SHOWN ON PARTITION TYPE.
 - FOR PARTITION HEIGHTS SEE PARTITION TAG LEGEND AND TAG SUBSCRIPTS ON PLANS.
 - ALL FURRING TO BE PARTITION TYPE XND, UNLESS NOTED OTHERWISE.
 - FOR PARTITION TYPES WITH GYPSUM BOARD ON ONE SIDE ONLY, INSTALL GYPSUM BOARD ON ROOM SIDE, UNLESS NOTED OR DETAILED OTHERWISE. FOR SHAFTWALL PARTITION TYPES, INSTALL LINER PANEL ON NON-ACCESSIBLE SIDE UNLESS NOTED OR DETAILED OTHERWISE.
 - PROVIDE 1/2" DEFLECTION SPACE AT THE TOP OF STUDS AT ALL PARTITIONS EXTENDING TO STRUCTURE, UNLESS NOTED OTHERWISE.
 - WHEN GYPSUM BOARD PARTITIONS ARE LOCATED BELOW STRUCTURE THAT HAS A VERTICAL DEFLECTION MOVEMENT MORE THAN 1/2", PROVIDE PARTITION HEADS WITH VERTICAL MOVEMENT CAPABILITY TO MATCH THAT DEGREE OF MOVEMENT. MAINTAIN THE REQUIRED FIRE RATINGS OF FIRE RATED PARTITIONS FROM FLOOR TO STRUCTURE ABOVE WITH FIRE TESTED HEAD CONSTRUCTION.
 - WHEN PARTITION FRAMING RUNS HIGHER THAN 12'-0" ABOVE FINISH FLOOR, BRACE PARTITION BACK TO STRUCTURE ABOVE WITH METAL STUDS EVERY 4'-0" ON CENTER MINIMUM.
 - BULKHEAD FRAMING SHALL EXTEND TO UNDERSIDE OF STRUCTURE WITH DIAGONAL STUD FRAMING BRACES AT 4'-0" ON CENTER (2 BRACES MINIMUM) WITH GYPSUM BOARD EXTENDING 6" ABOVE CEILING MINIMUM, UNLESS NOTED OTHERWISE.
 - GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE ALL IN-WALL BLOCKING FOR WALL MOUNTED CASEWORK AND EQUIPMENT SUPPLIED BY THIS CONTRACT. OWNER FURNISHED OR BY VENDORS. CONTRACTORS OPTION TO PROVIDE 3/4" FIRE TREATED PLYWOOD (PRESERVATIVE TREATED ON EXTERIOR WALLS) OR SHEET METAL BLOCKING FOR WALL MOUNTED EQUIPMENT, CASEWORK, DOOR STOPS, ACCESSORIES, ETC. UNLESS NOTED OTHERWISE.
 - IN WET AREAS SUCH AS BUT NOT LIMITED TO SHOWER, TUB, GLASS WASHING ROOMS, SOILED UTILITY ROOMS, JANITOR CLOSETS, COMMERCIAL FOOD PROCESSING ROOMS, ETC. USE TILE BACKER BOARD BEHIND THE CERAMIC TILE AND EXTEND TO 2'-0" BEYOND ALL SIDES OF THE PLUMBING FIXTURE. IN DOUBLE LAYER WALLS WHERE THE TILE BACKER BOARD IS INSTALLED OVER A BASE LAYER OF GYPSUM BOARD, APPLY A WATER BARRIER (BUILDING WRAP) NOT A VAPOR RETARDER, OVER THE BASE LAYER OF GYPSUM BOARD. IN HIGH HUMIDITY AREAS SUCH AS SAUNAS, STEAM ROOMS AND SWIMMING POOLS, WHERE WALLS ARE EXPOSED TO CONSTANT MOISTURE, USE TILE BACKER BOARD BEHIND CERAMIC TILE.
 - IN WET AREAS SUCH AS SOILED UTILITY ROOMS, JANITOR CLOSETS, ETC. USE 5/8" WATER RESISTANT GYPSUM BOARD OR 5/8" FR WATER RESISTANT GYPSUM BOARD.
 - FOR ALL REMODELING PROJECTS, ALL PARTITIONS NOTED AT INFILLS WITHIN, OR EXTENSIONS ONTO EXISTING PARTITIONS, ARE NOTED AS SUCH FOR INTENT ONLY. ALL EXPOSED PARTITION FACES ARE TO ALIGN.
 - USE ACOUSTICAL SEALANT AT ALL GYPSUM PARTITION PENETRATIONS AND JOINTS SUCH AS THE STRUCTURE ABOVE, FLOOR SURFACES AND PARTITIONS CONSTRUCTED OF ANOTHER MATERIAL, UNLESS NOTED OTHERWISE.
 - ALLOW MINIMUM 1/8" SPACE BETWEEN ELECTRICAL BOX AND GYPSUM, FILL GAP WITH ACOUSTICAL SEALANT.
 - BEFORE INSTALLING GYPSUM PANELS OR SOUND ATTENUATION/INSULATION, APPLY MINIMUM 1/16" THICKNESS OF ACOUSTICAL SEALANT OVER KNOCKOUTS OR OTHER SMALL HOLES IN THE ELECTRICAL BOXES TO INSURE THAT THEY ARE AIR TIGHT. IF A KNOCKOUT IS MISSING, WRAP WITH TAPE AND COVER WITH ACOUSTICAL SEALANT TO AT LEAST 1/8" THICK. INSPECT BACK SEALING OF BOXES BEFORE THE SOUND ATTENUATION/INSULATION AND GYPSUM PANELS ARE INSTALLED.
 - WHEN SOUND ATTENUATION/INSULATION (SA/INS) IS USED, IT MUST NOT CONTACT THE GRID MOUNTED ON THE RESILIENT CHANNELS. SIDE OF PARTITION AS THE LISTED SOUND ATTENUATION VALUE WILL BE COMPROMISED.
 - LOCATE OUTLETS IN ALTERNATE STUD CAVITIES AND USE SEPARATE CONDUIT FOR OUTLETS ON OPPOSITE SIDE OF THE SAME PARTITION.
 - ELECTRICAL BOXES CAN BE RIGIDLY MOUNTED TO STUDS WITH STANDARD MOUNTING BRACKETS. DO NOT ALLOW BOX MOUNTING BRACKETS OR CONDUIT TO TOUCH THE RESILIENT CHANNELS. ELECTRICAL BOXES ARE NOT PERMITTED IN WALLS EXCEEDING A TWO HOUR FIRE RATING UNLESS WALLS ARE SO TESTED.



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Revisions	Date

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AE PROJECT NO.: 14541

Stamp: REGISTERED PROFESSIONAL ARCHITECT
REG. NO. 8733
Paul D. Dahlberg
10-1-2018

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **PARTITION TYPES**

Approved: Project Director

Phase: **100% BID DOCUMENTS**

FULLY SPRINKLERED

Project Title: **Outpatient Mental Health Building**

Project Number: VA #438-450

Building Number

Location: 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date: 10/01/2018

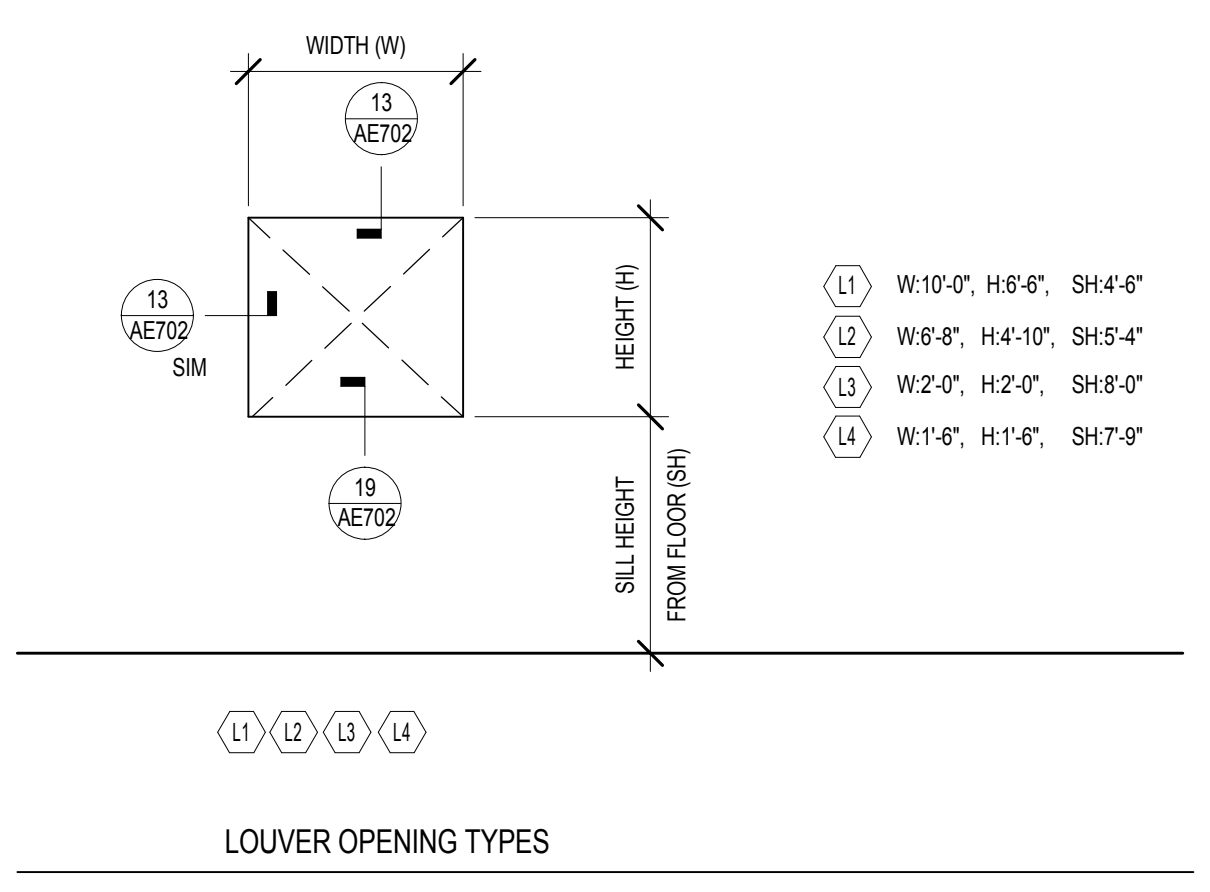
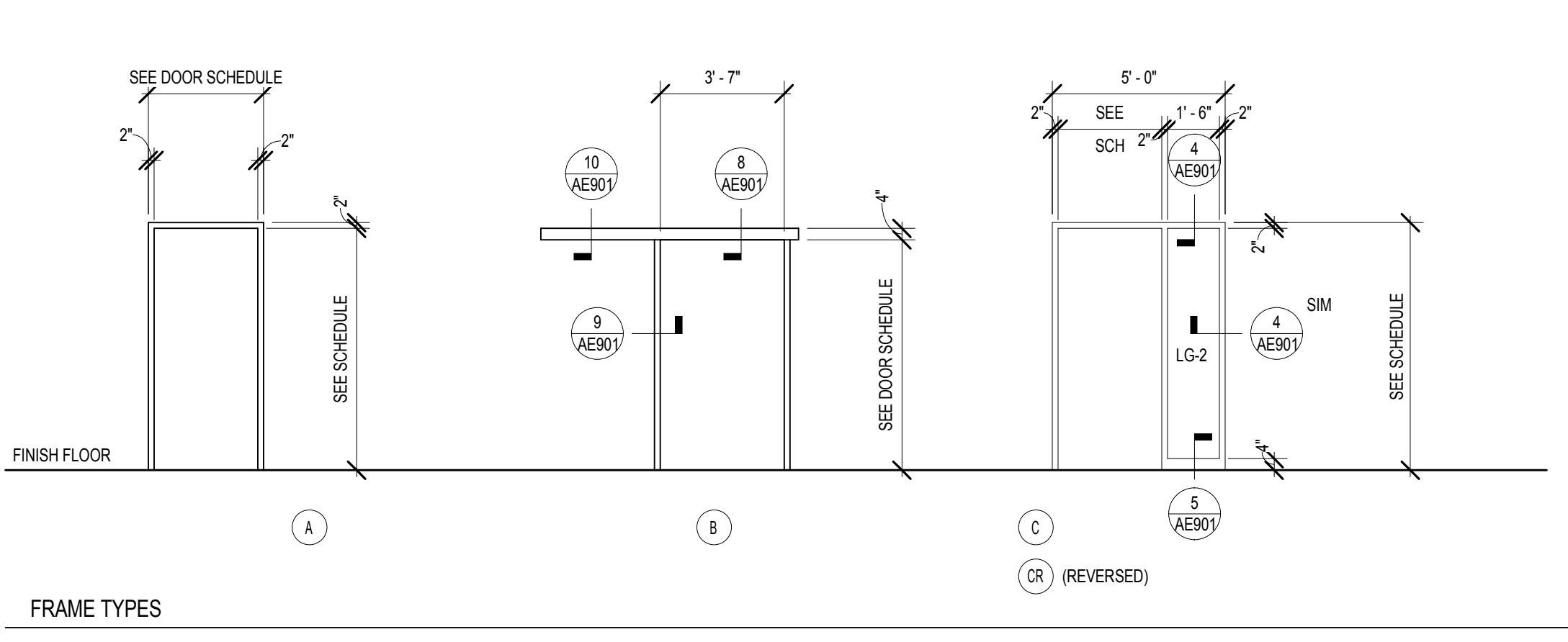
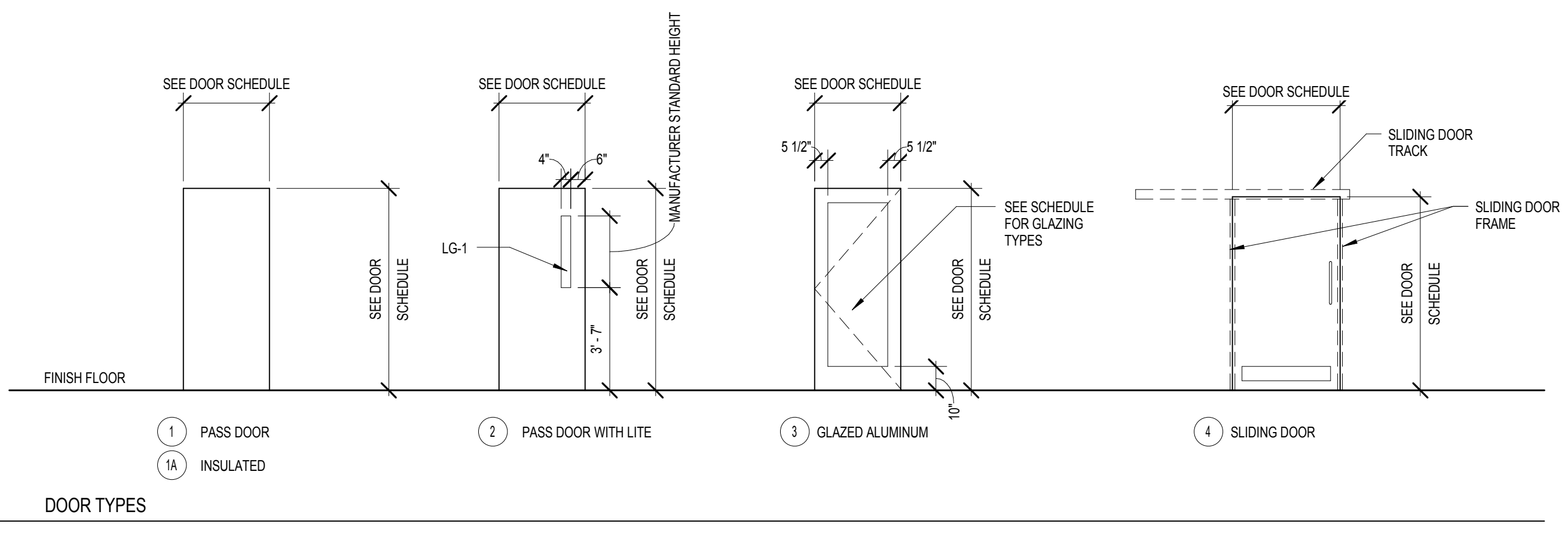
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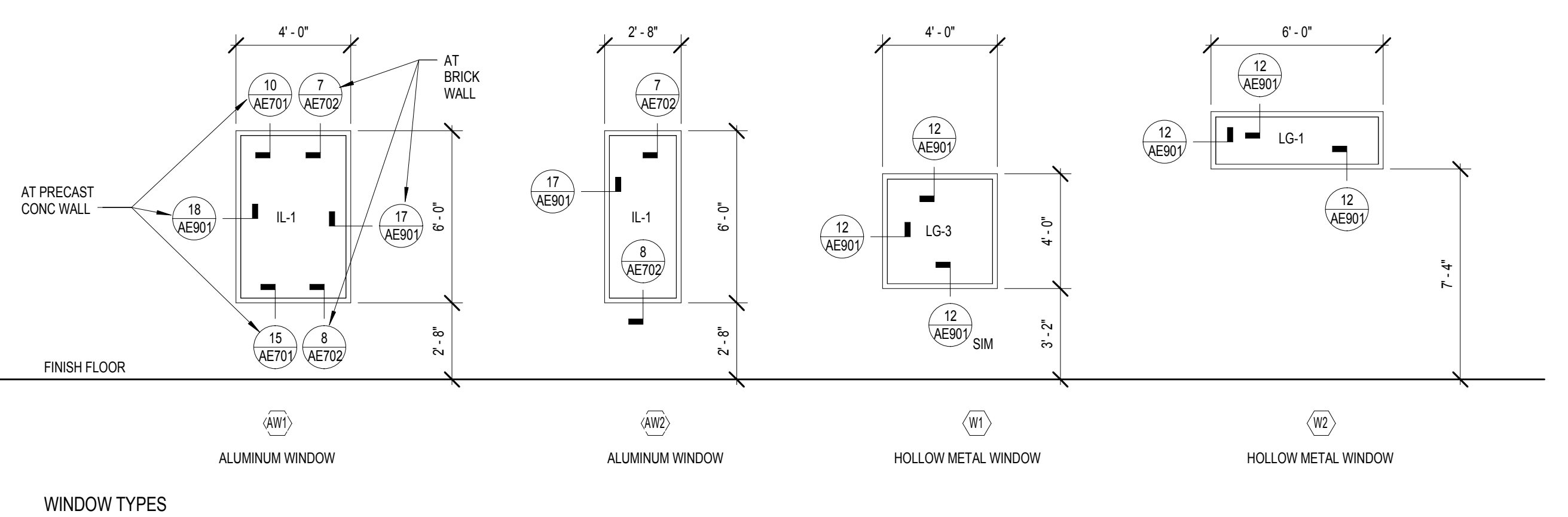
Drawing Number: **AE501**

Dwg. 40 of 102

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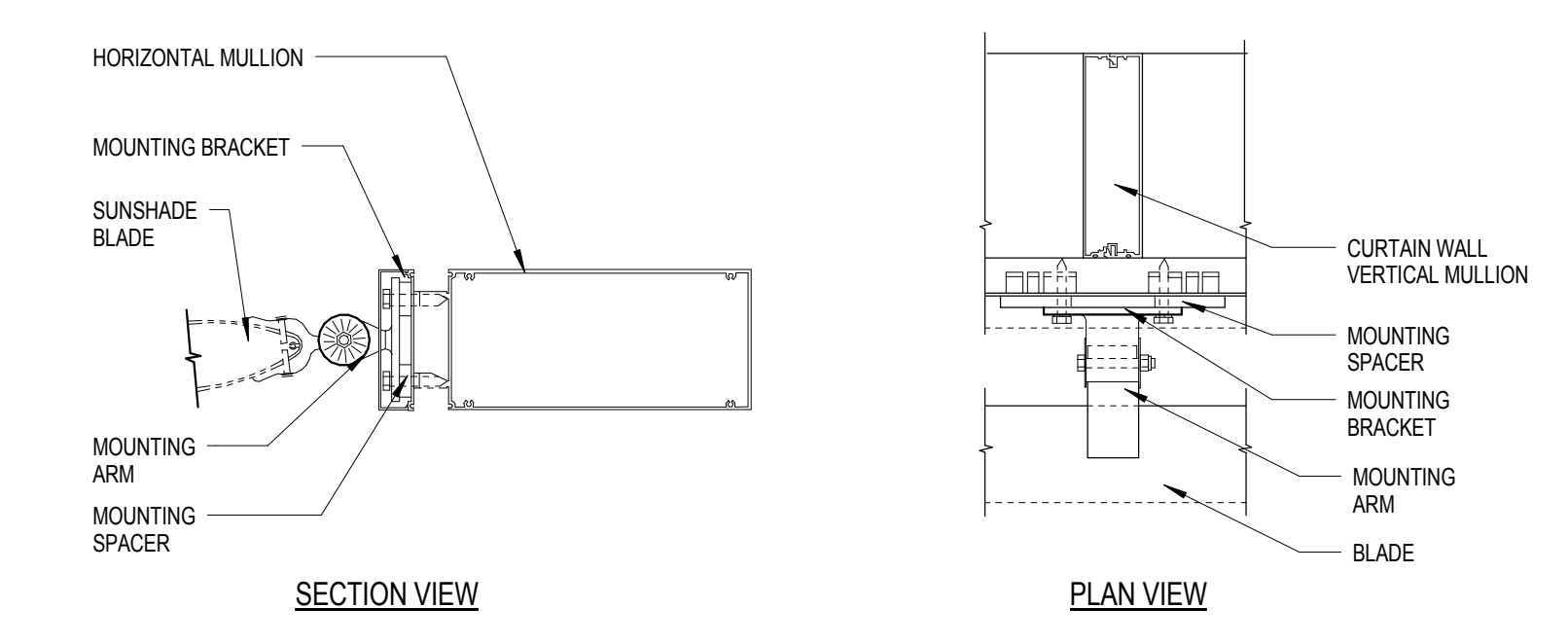
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GLAZING TYPES

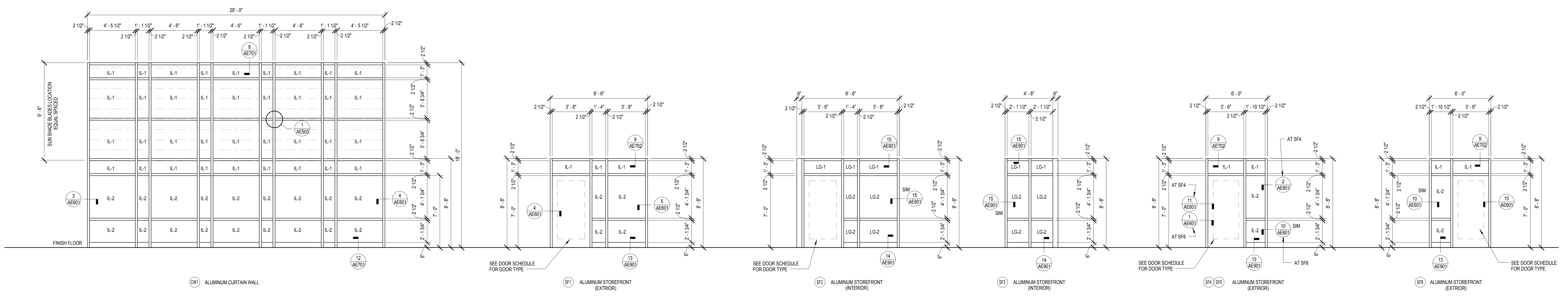
LG-1: LAMINATED CLEAR GLASS
 LG-2: LAMINATED CLEAR GLASS (FULLY TEMPERED)
 LG-3: LAMINATED ONE-WAY MIRRORED GLASS
 IL-1: INSULATED LAMINATED TINT GLASS
 IL-2: INSULATED LAMINATED TINT GLASS (FULLY TEMPERED)

GLAZING TYPES

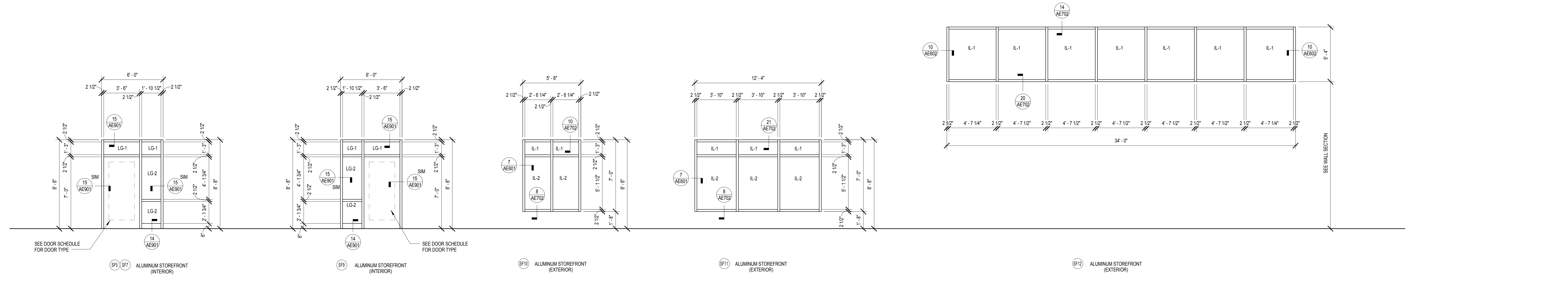


1 SUNSHADE BLADE DETAIL
NOT TO SCALE

C



E



CURTAIN WALL AND STOREFRONT TYPES

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 Tel 612-338-8741
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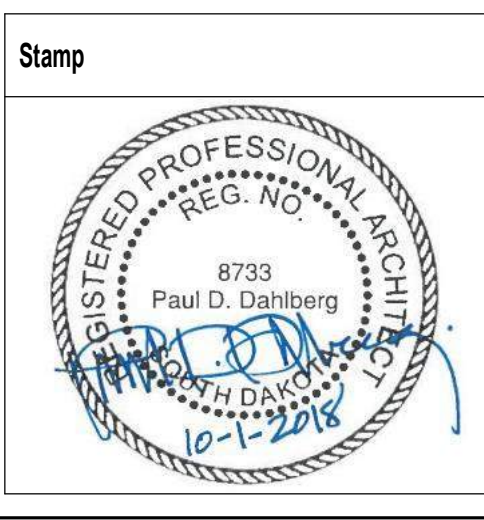
OMAHA | LINCOLN | COLORADO SPRINGS
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 FE#: 172074

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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

DOOR & FRAME, WINDOW AND CURTAIN WALL TYPES

Approved: Project Director

Phase

100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title

Outpatient Mental Health Building

Project Number

VA #438-450

Building Number

Drawing Number

AE503

Dwg. 42 of 102

Location

2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date

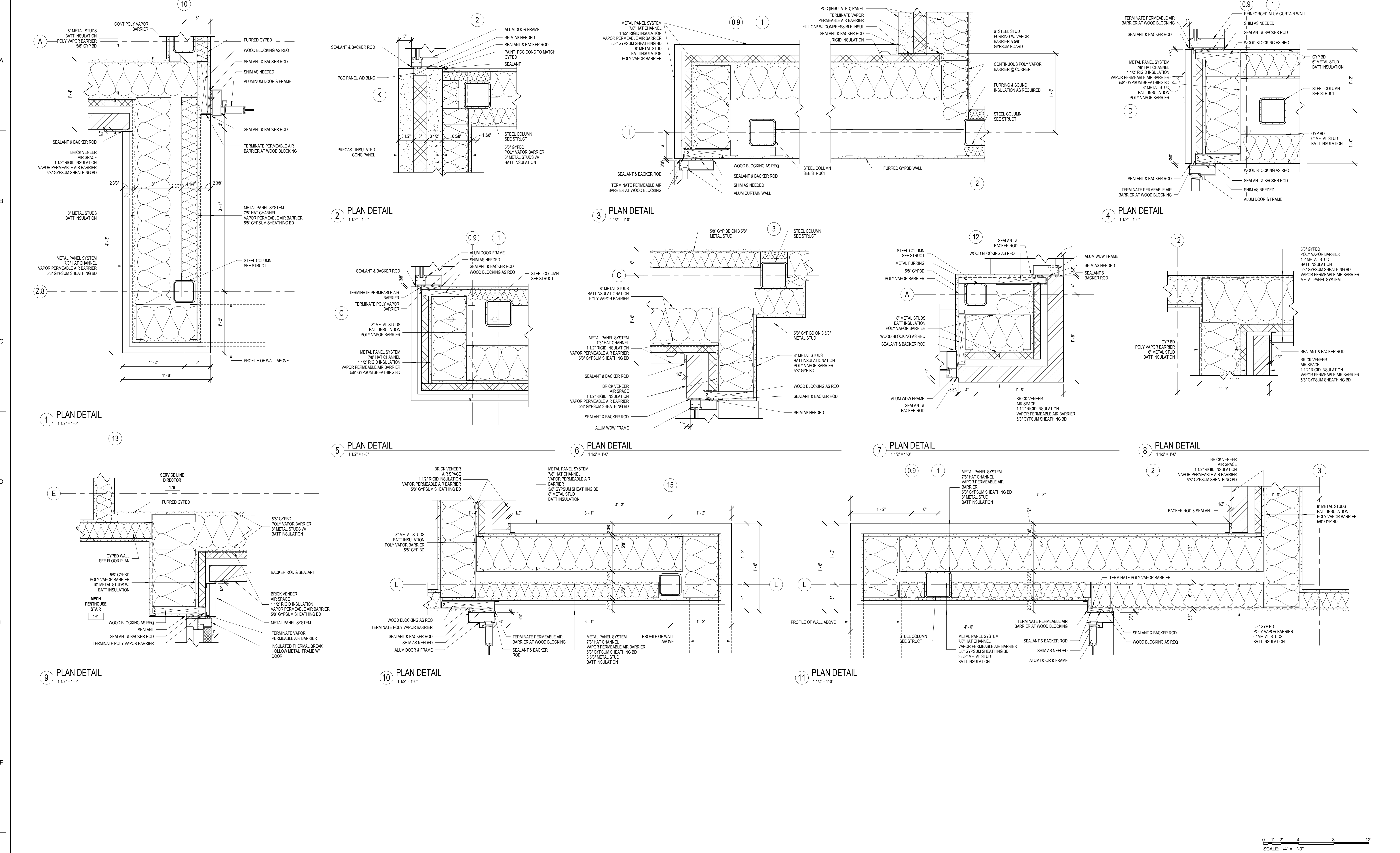
10/01/2018

Checked

PDD

Drawn

PYC



10/05/2018 12:17:18 PM C:\Users\pcho\Documents\14541 ONHFB RVJT16_1_yeumyoung.rvt

Revisions	Date

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FARRIS ENGINEERING

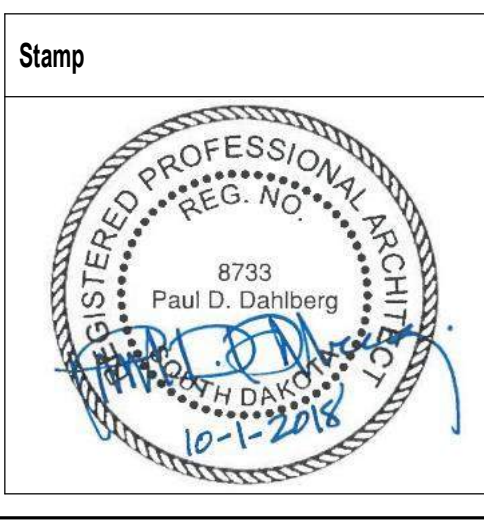
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 FE#: 172074

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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

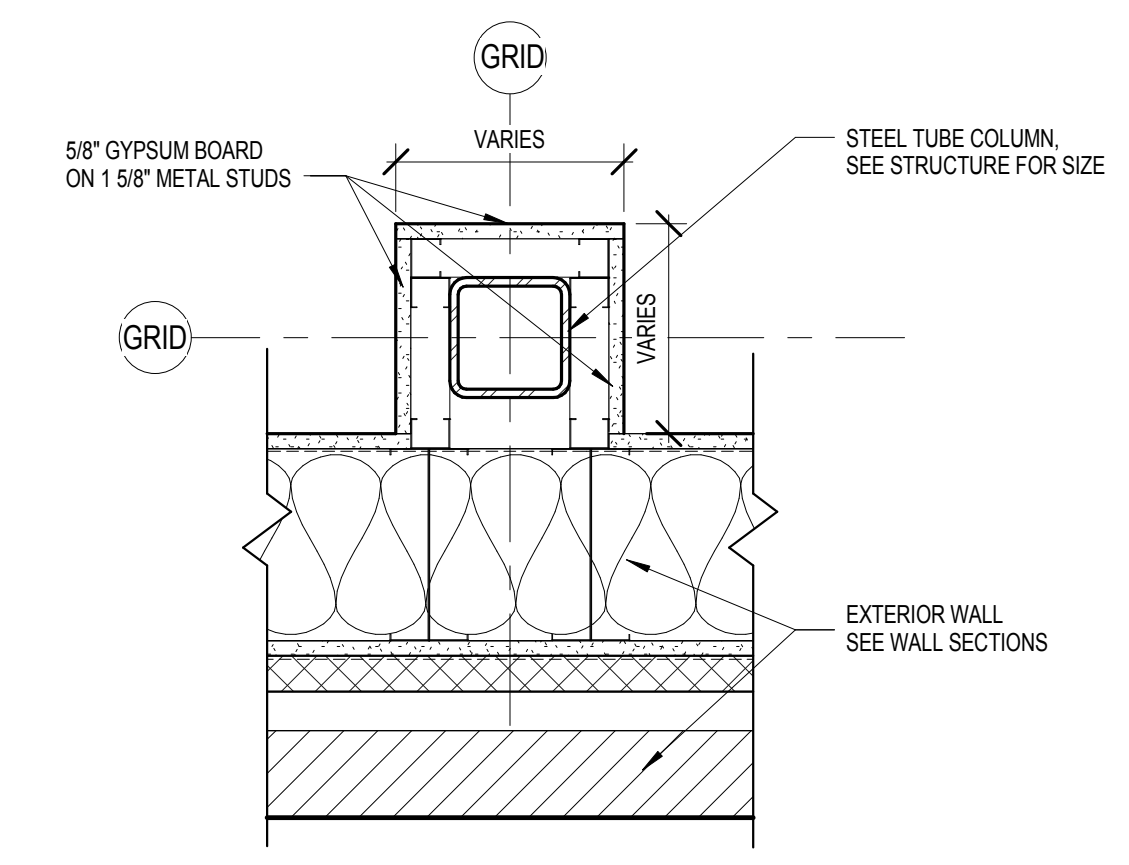
Drawing Title	PLAN DETAILS
Approved: Project Director	

Phase	100% BID DOCUMENTS
	FULLY SPRINKLERED

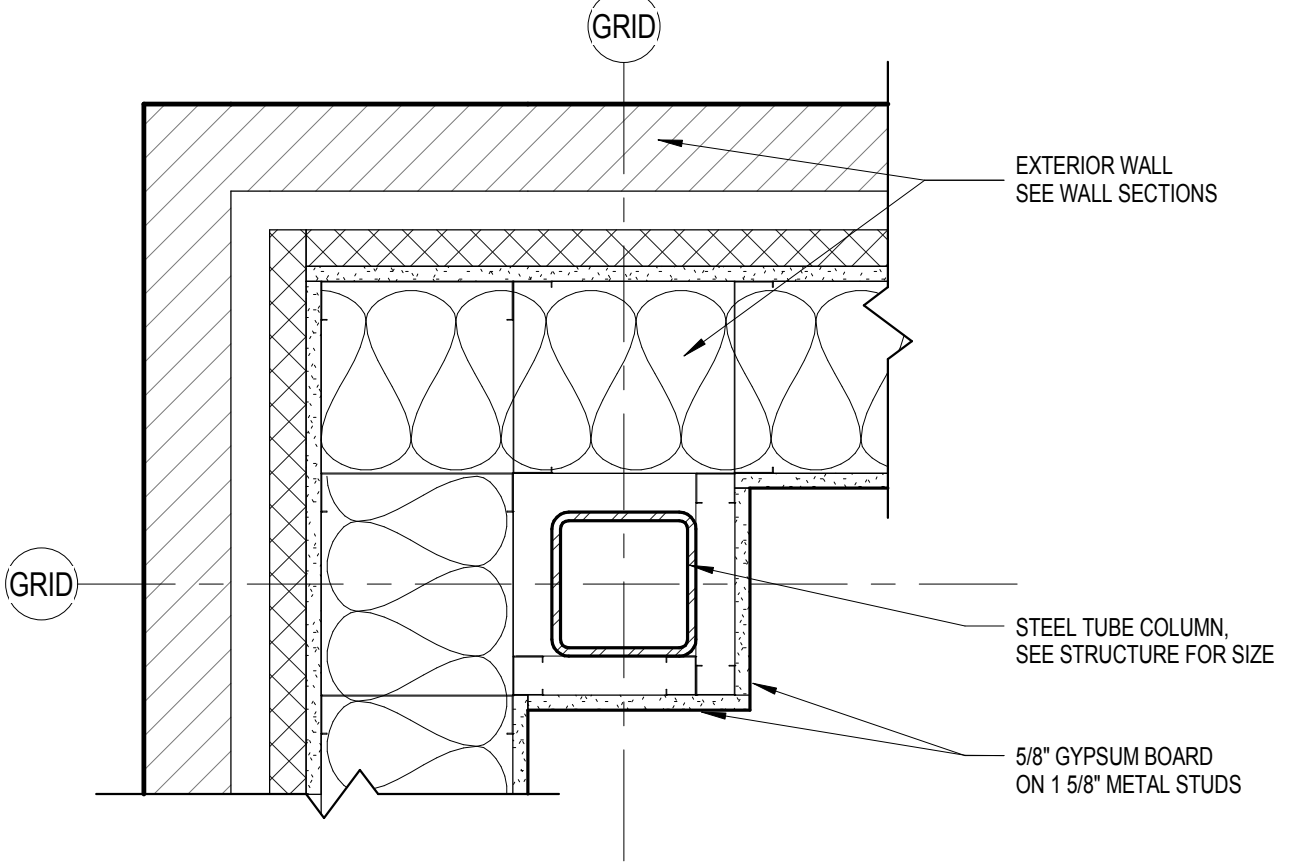
Project Title	Outpatient Mental Health Building	Project Number	VA #438-450
Location	2501 W 22nd St, Sioux Falls, SD, 57105	Building Number	
Issue Date	10/01/2018	Checked	PDD
		Drawn	MMM, PYC
		Dwg. 43 of 102	AE601

NOT FOR CONSTRUCTION

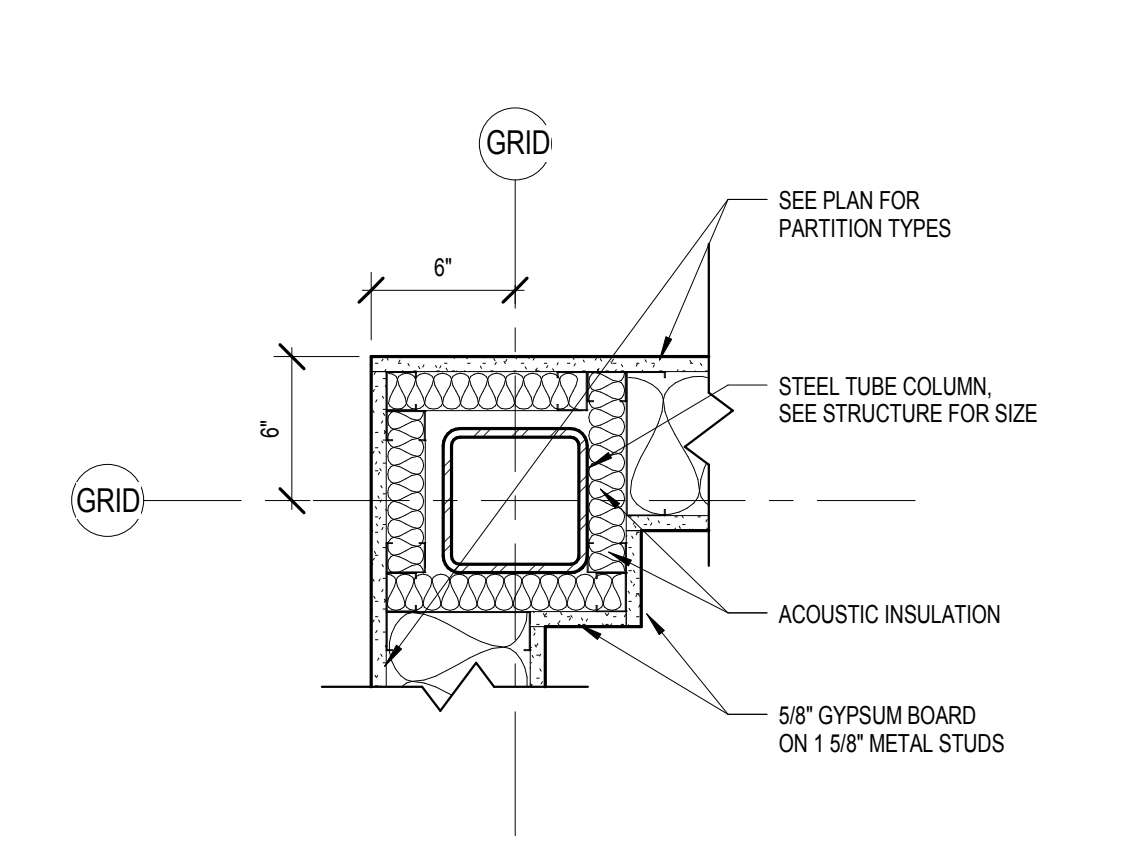
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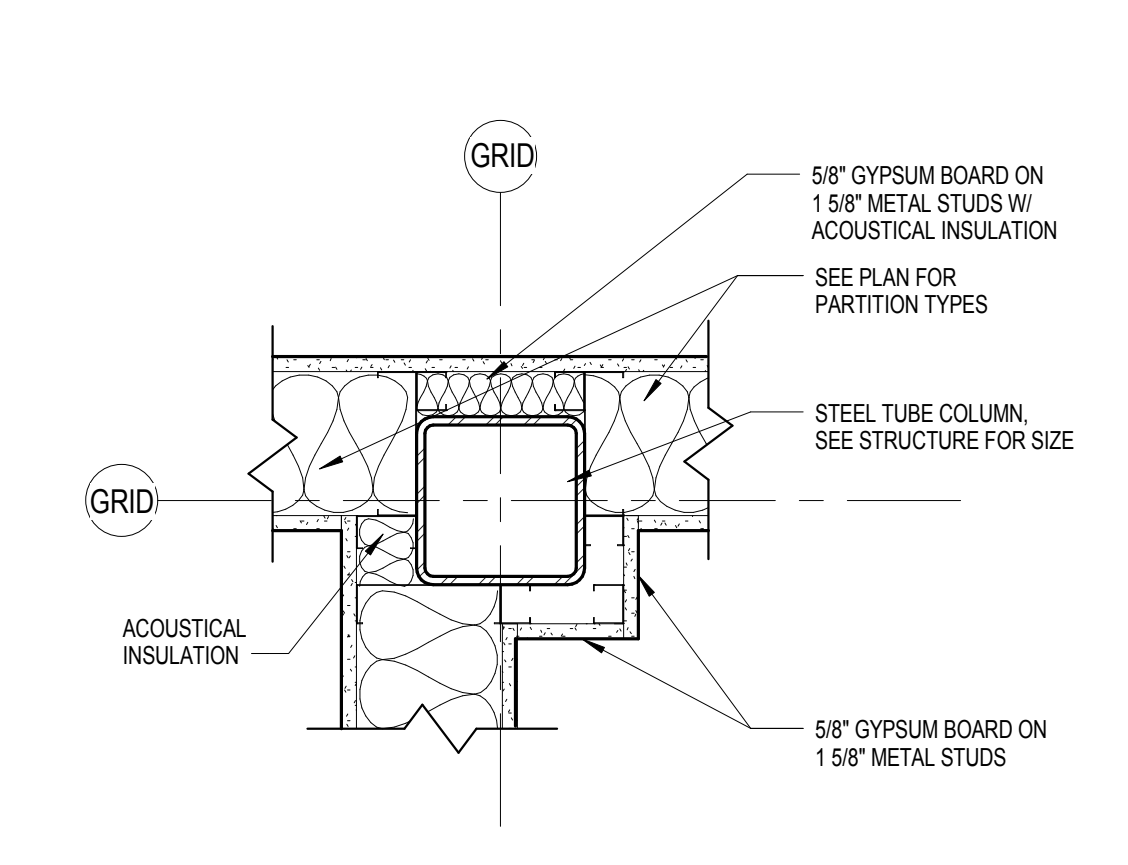
1 PLAN DETAIL - TYPICAL
1 1/2" = 1'-0"



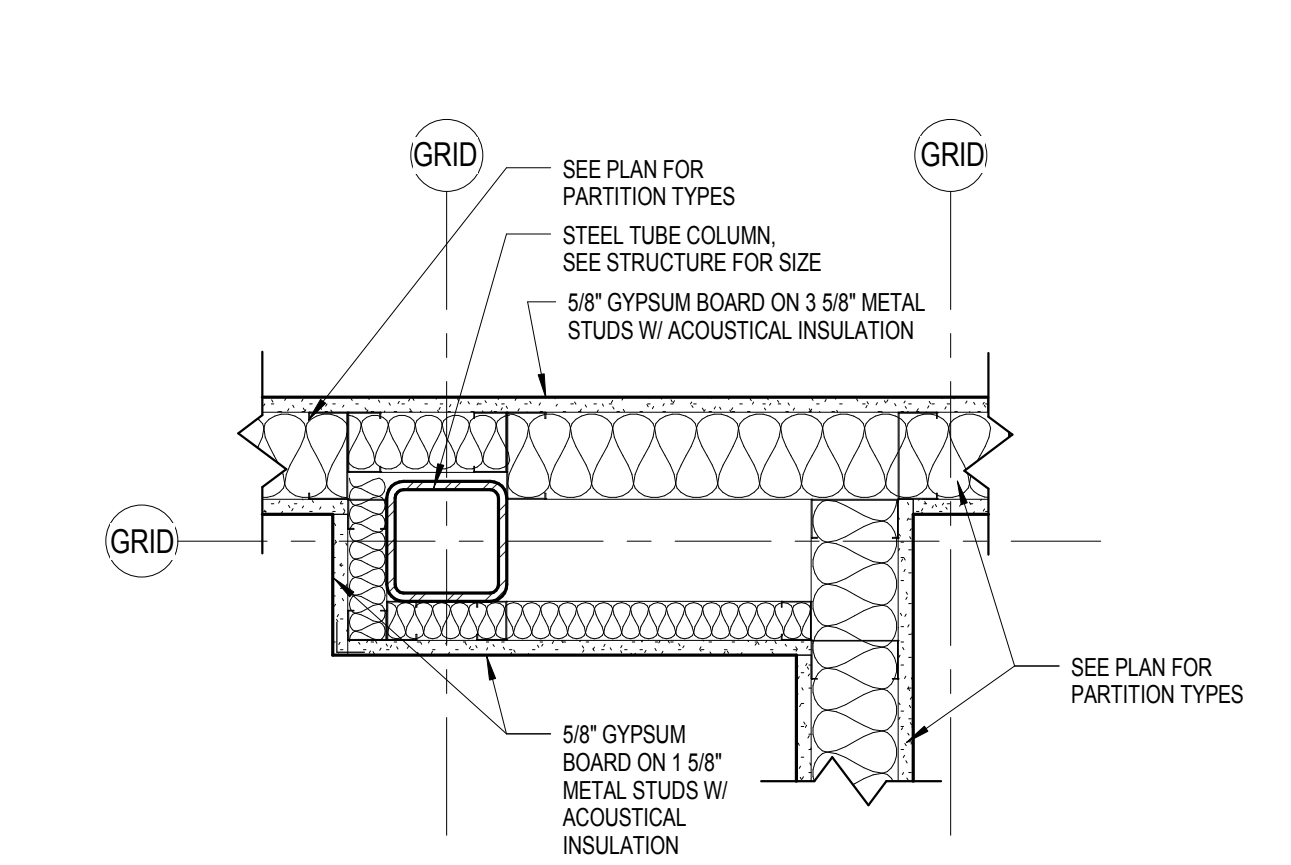
2 PLAN DETAIL
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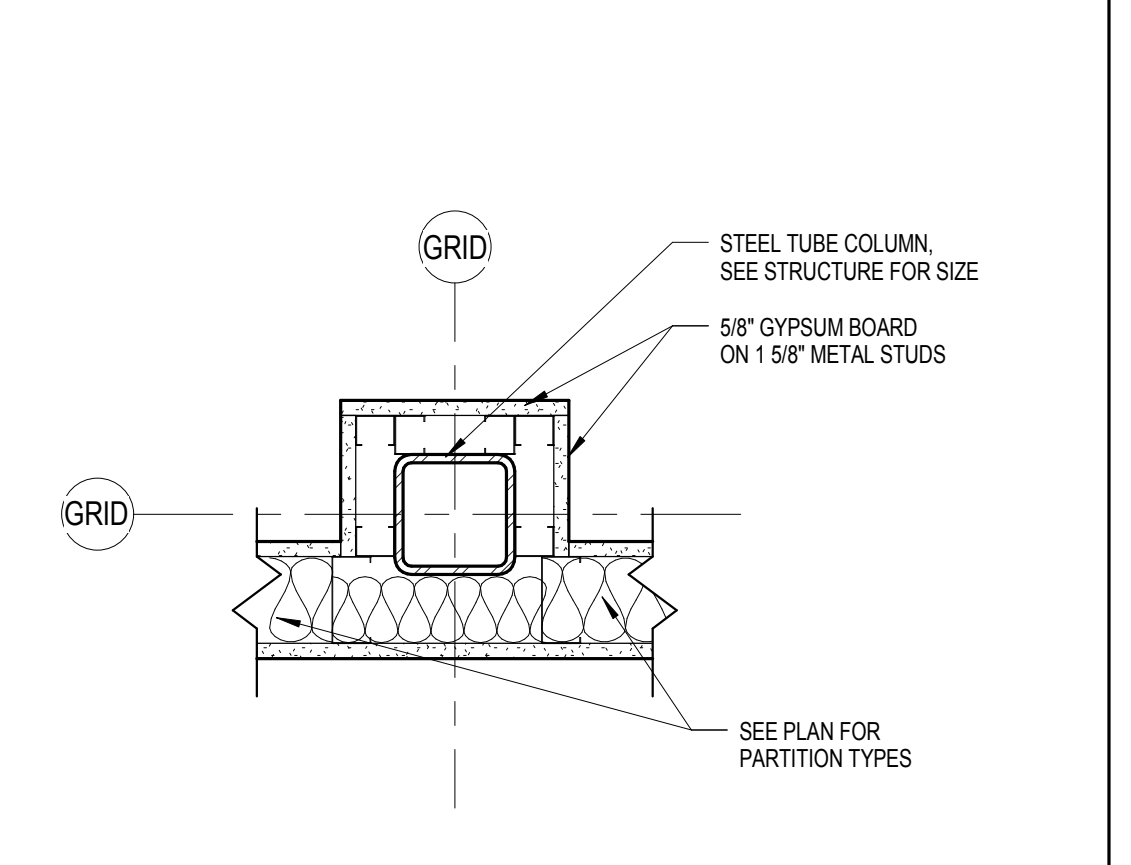
3 PLAN DETAIL
1 1/2" = 1'-0"



4 PLAN DETAIL
1 1/2" = 1'-0"

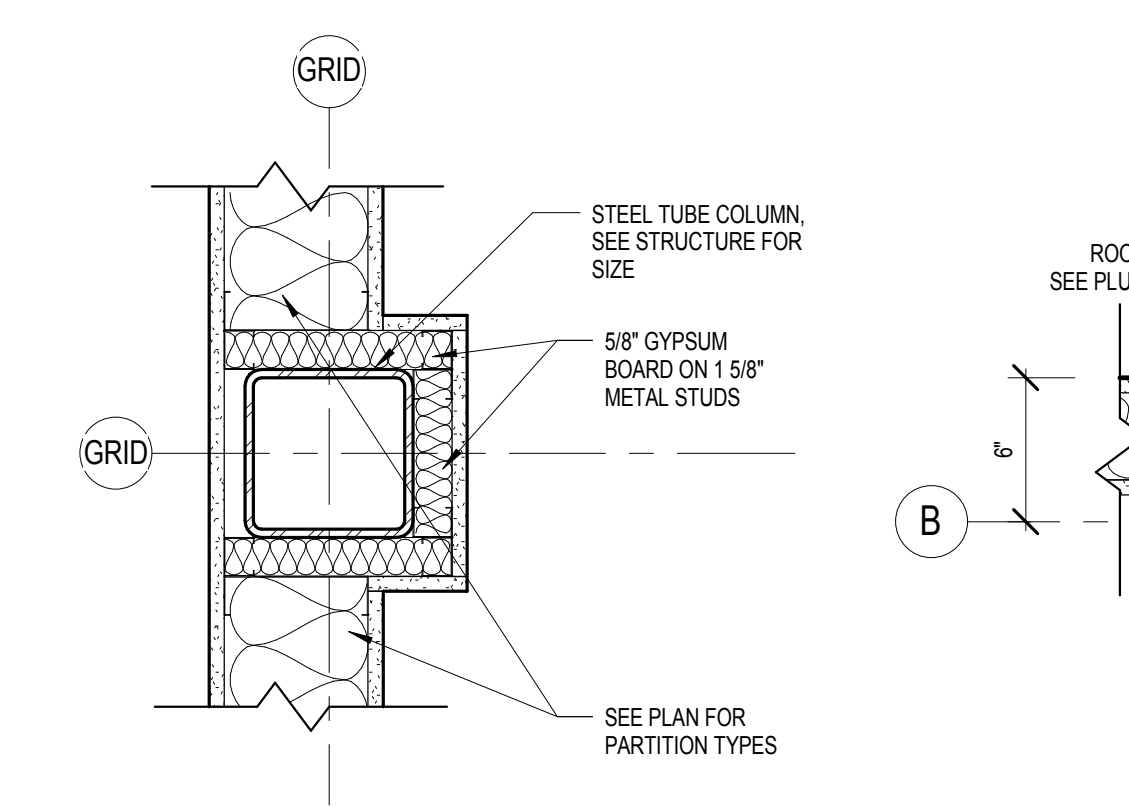


5 PLAN DETAIL
1 1/2" = 1'-0"

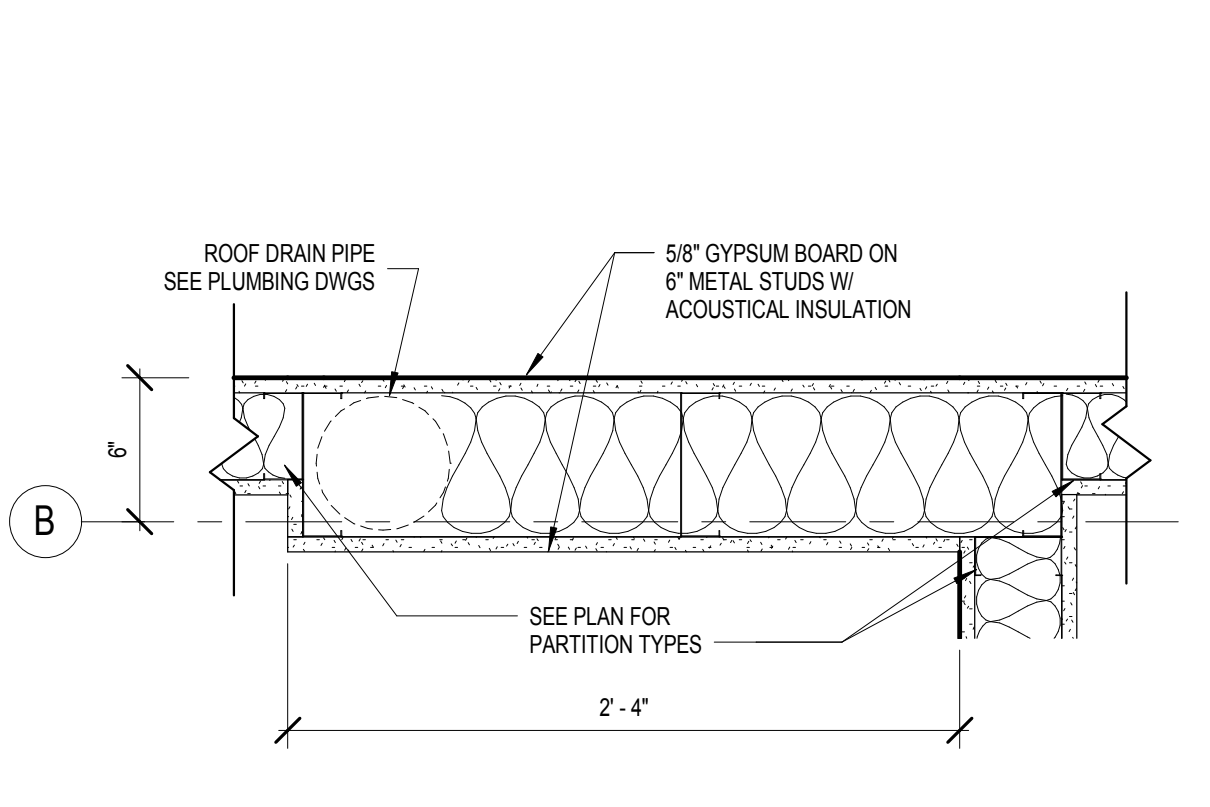


6 PLAN DETAIL
1 1/2" = 1'-0"

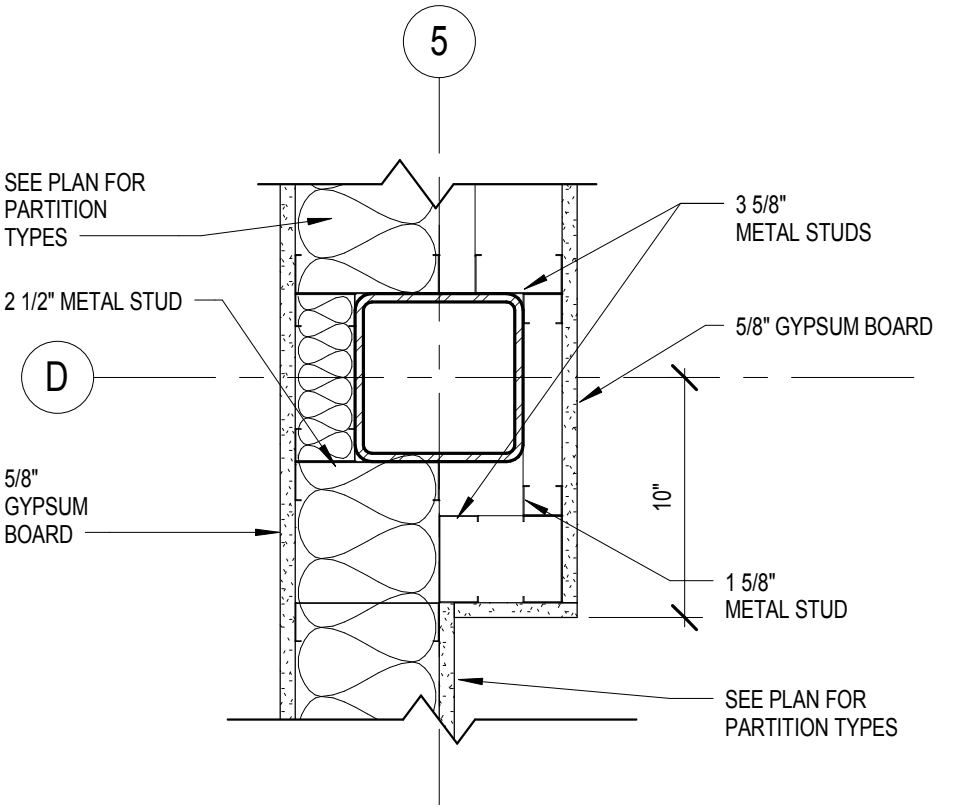
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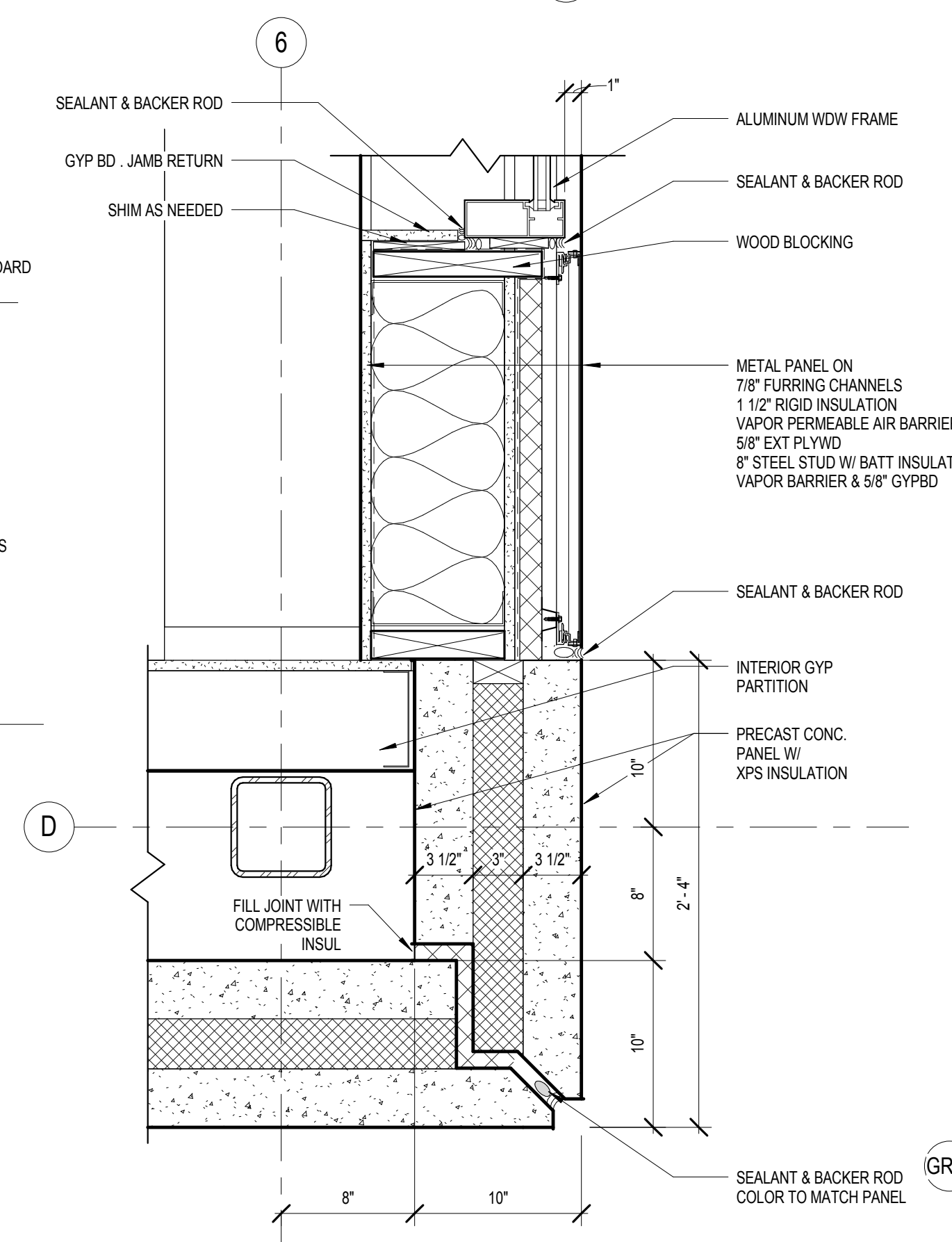
7 PLAN DETAIL
1 1/2" = 1'-0"



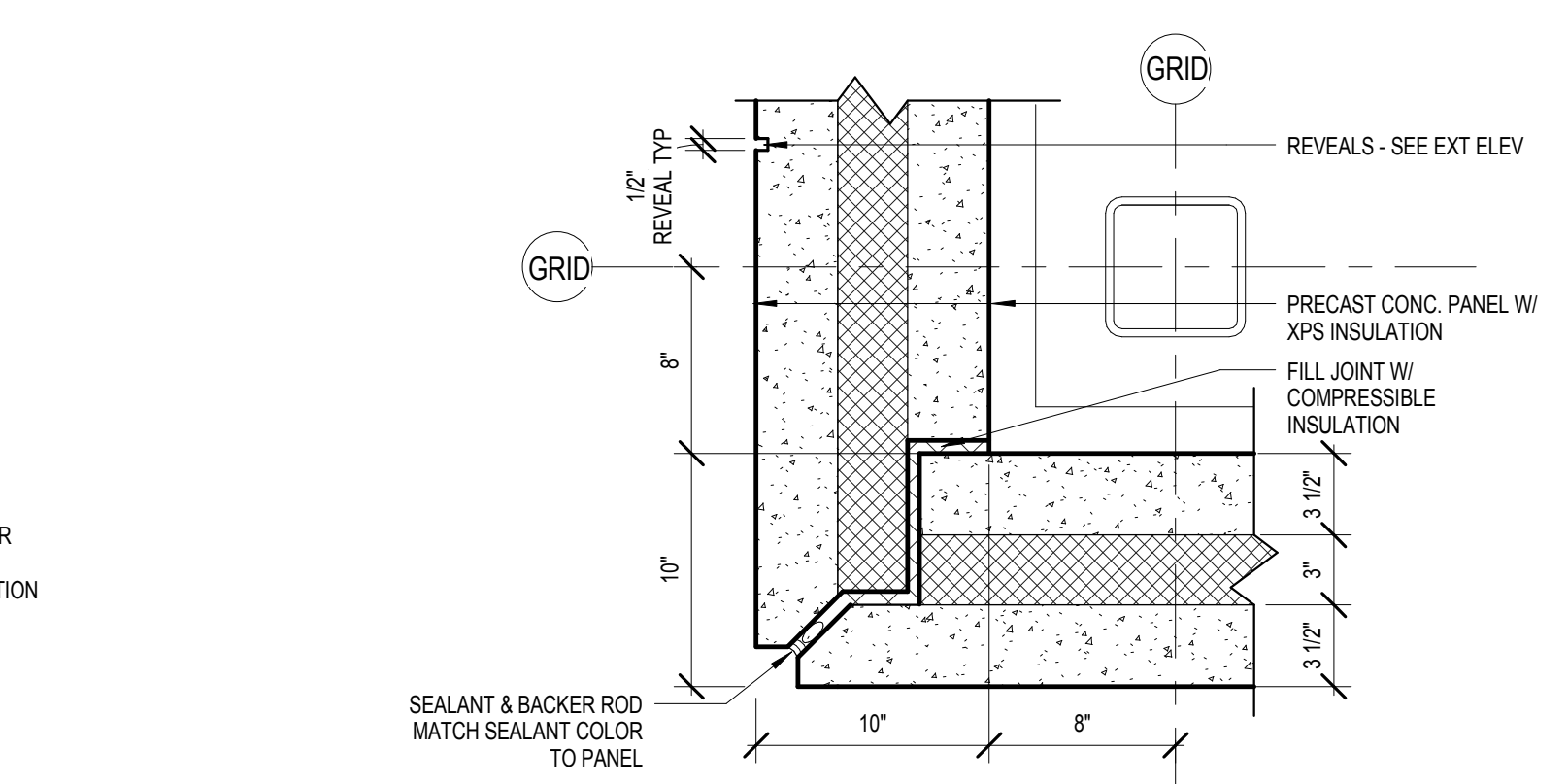
8 PLAN DETAIL
1 1/2" = 1'-0"



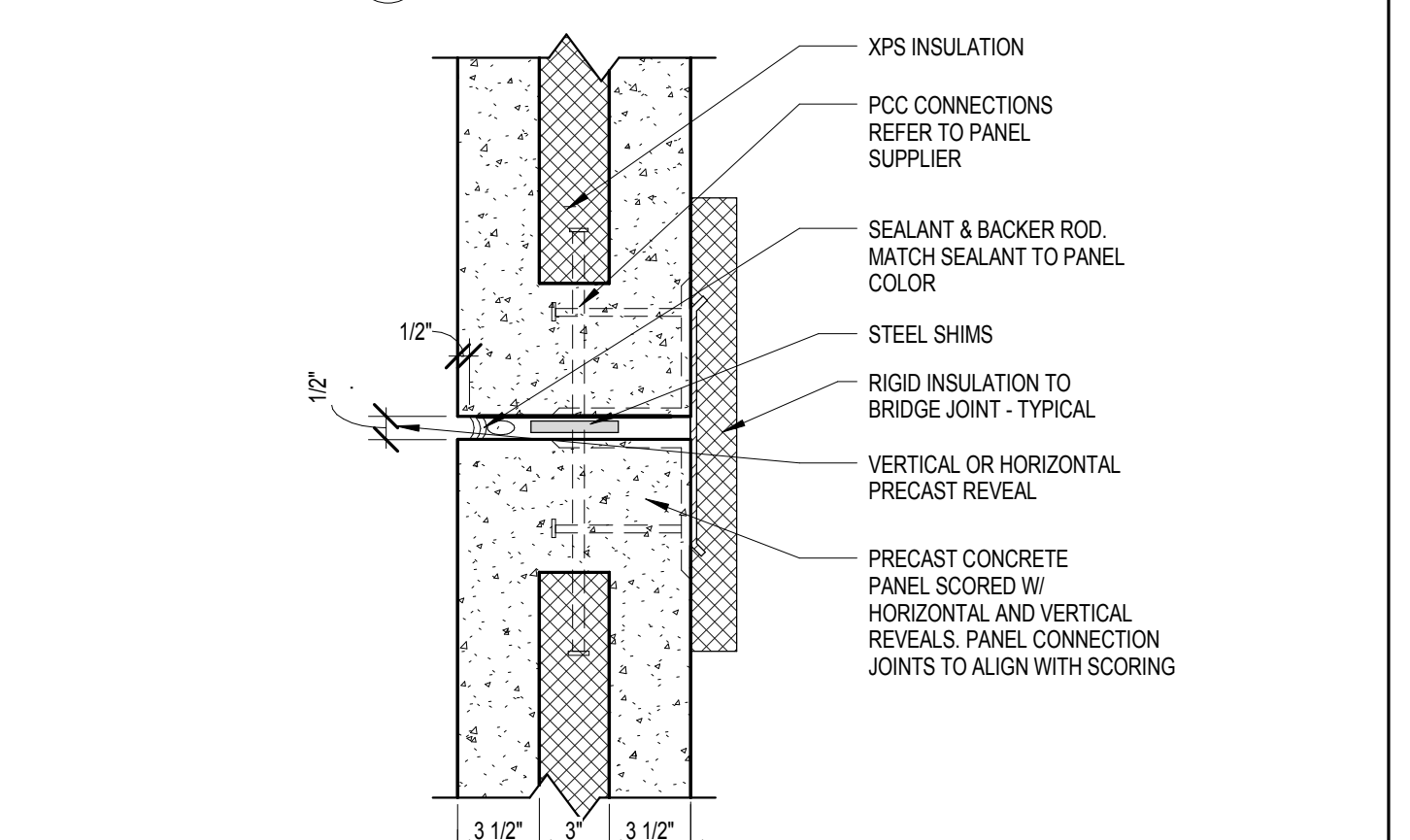
9 PLAN DETAIL
1 1/2" = 1'-0"



10 PCC PANEL OUTSIDE CORNER AT WINDOW
1 1/2" = 1'-0"

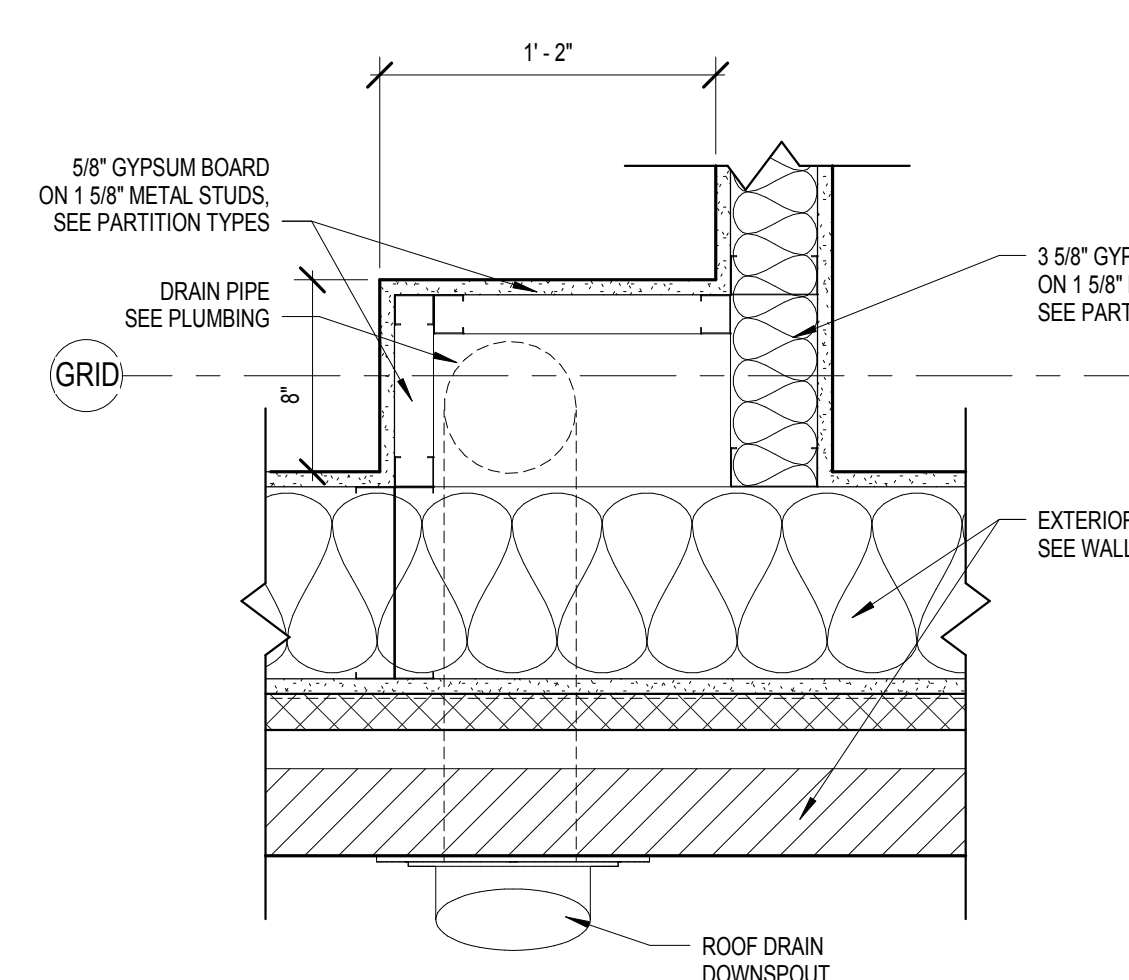


11 TYP PCC PANEL OUTSIDE MITERED CORNER
1 1/2" = 1'-0"

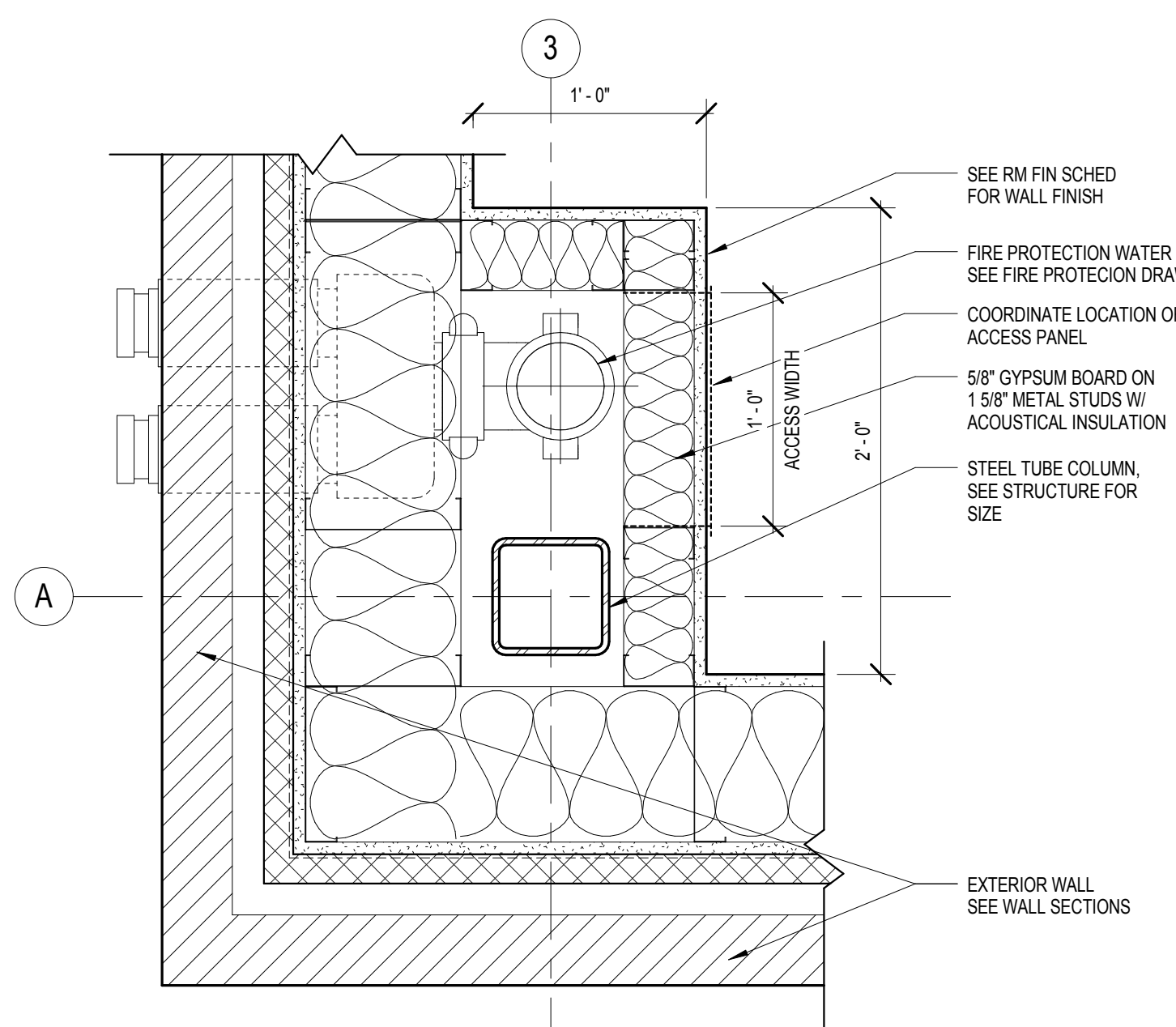


12 PCC JOINT (HORIZ & VERTICAL-TYP)
1 1/2" = 1'-0"

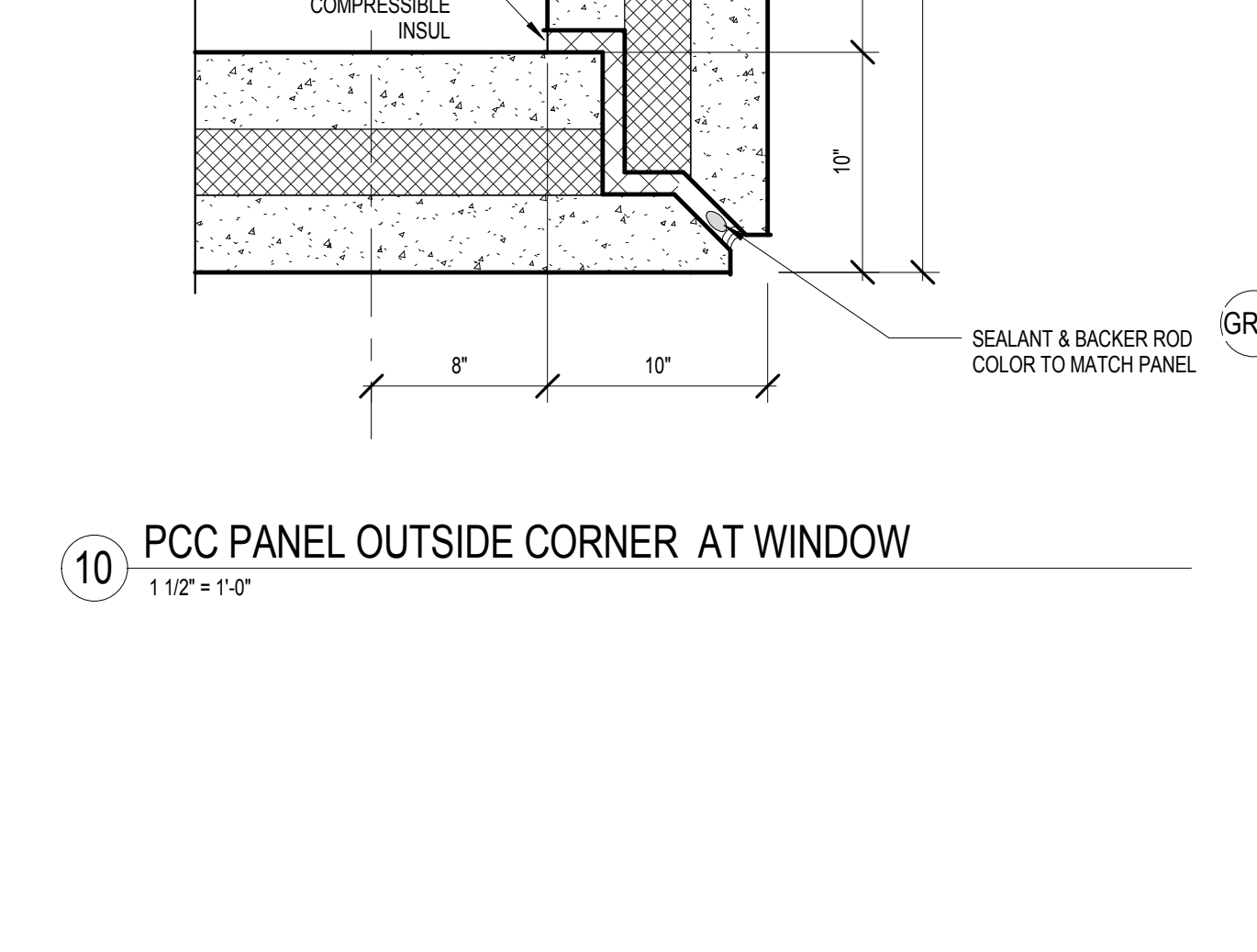
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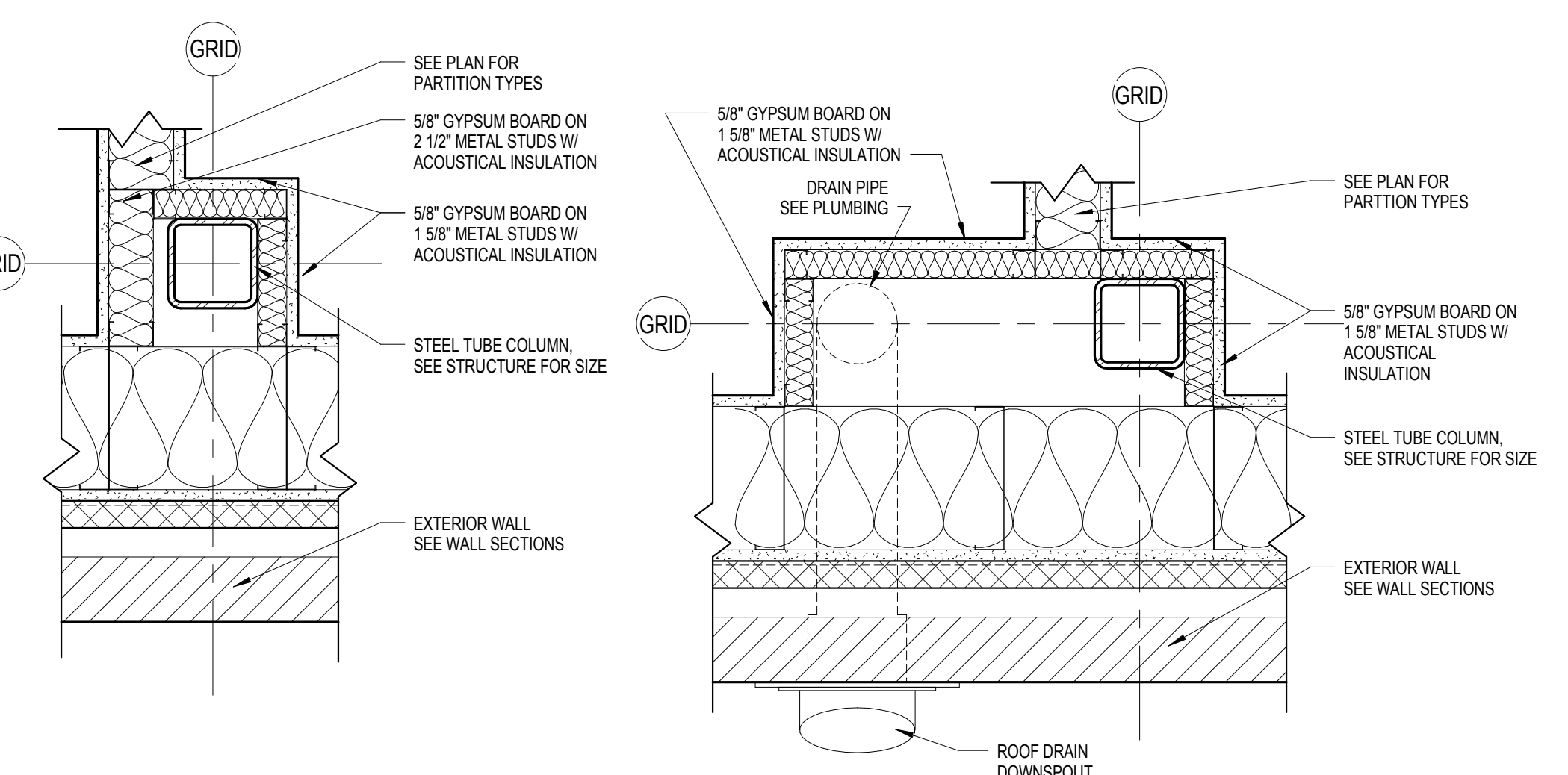
13 PLAN DETAIL
1 1/2" = 1'-0"



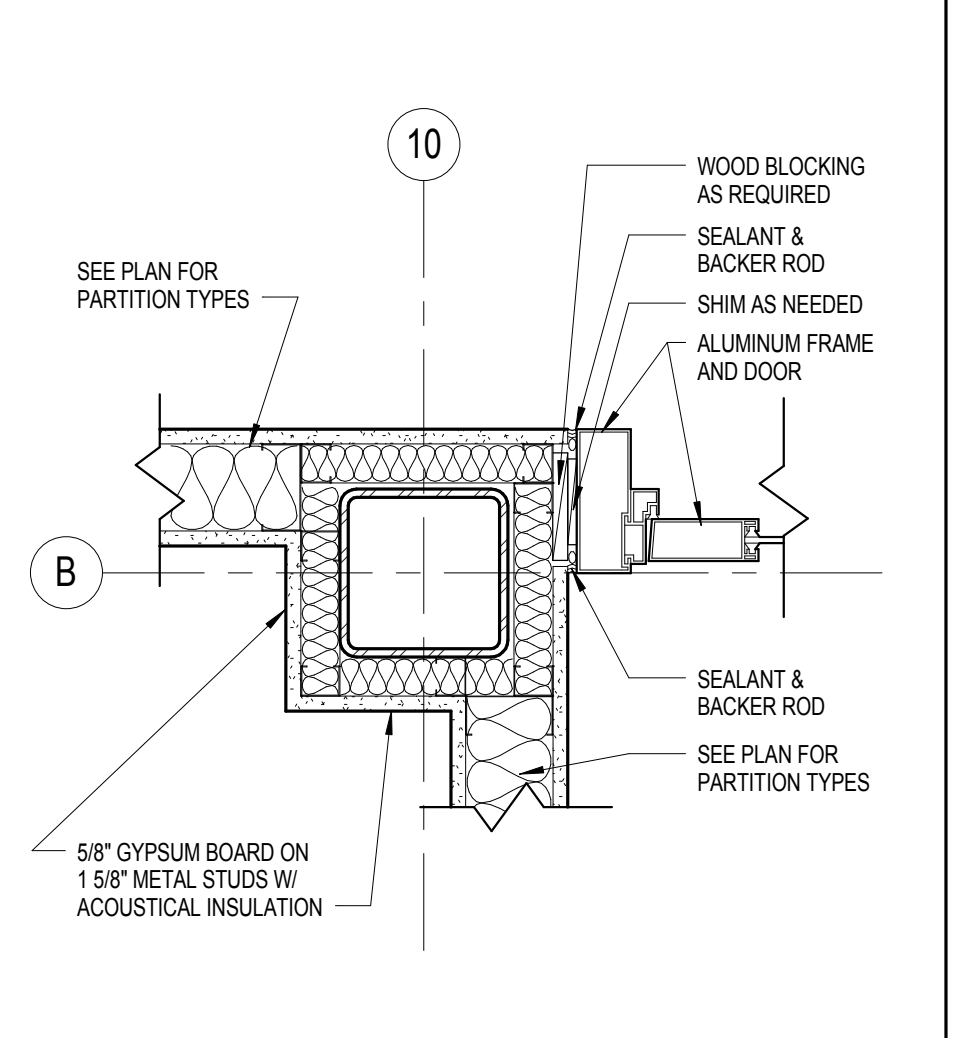
14 PLAN DETAIL
1 1/2" = 1'-0"



15 PLAN DETAIL
1 1/2" = 1'-0"

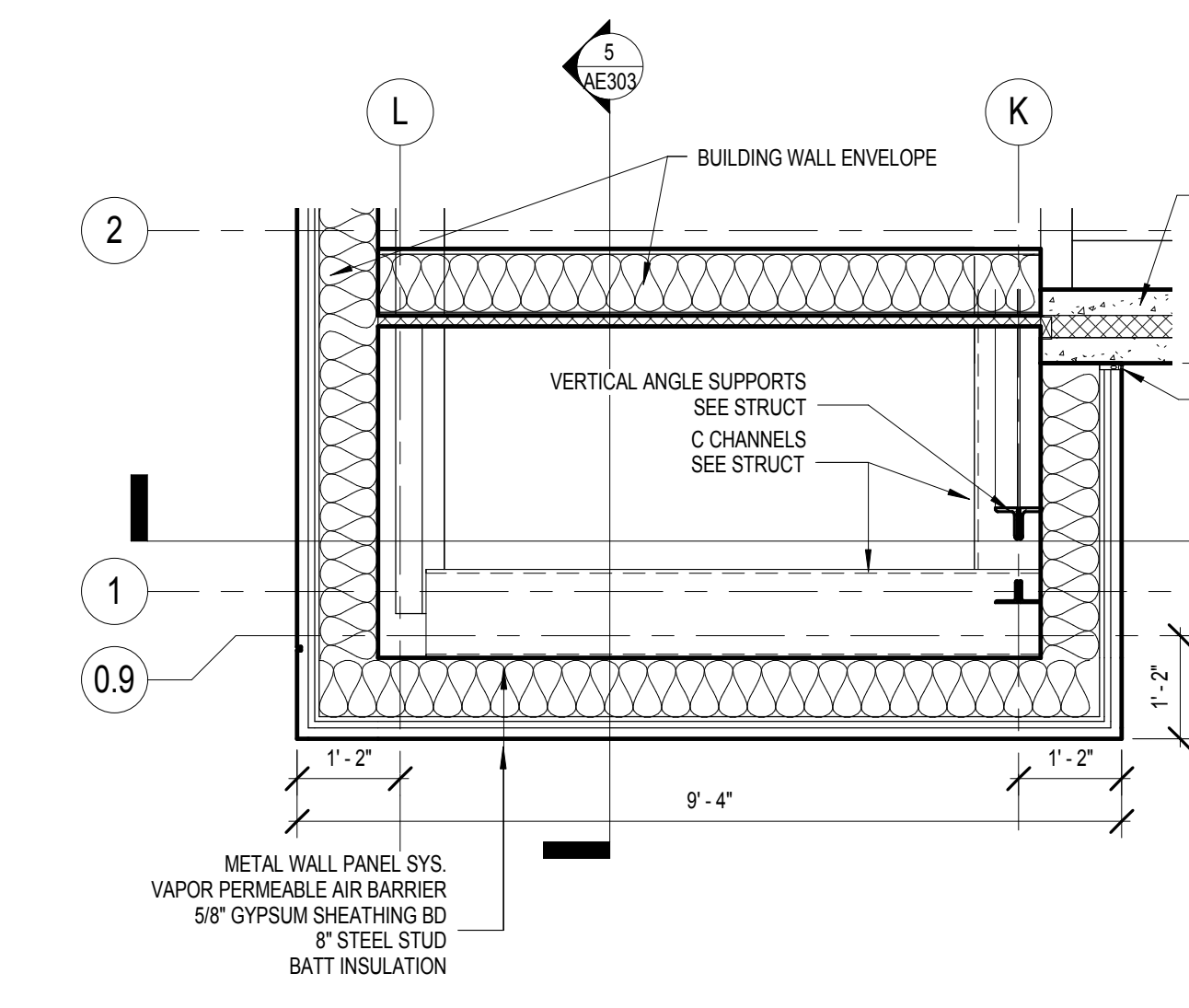


16 PLAN DETAIL
1 1/2" = 1'-0"

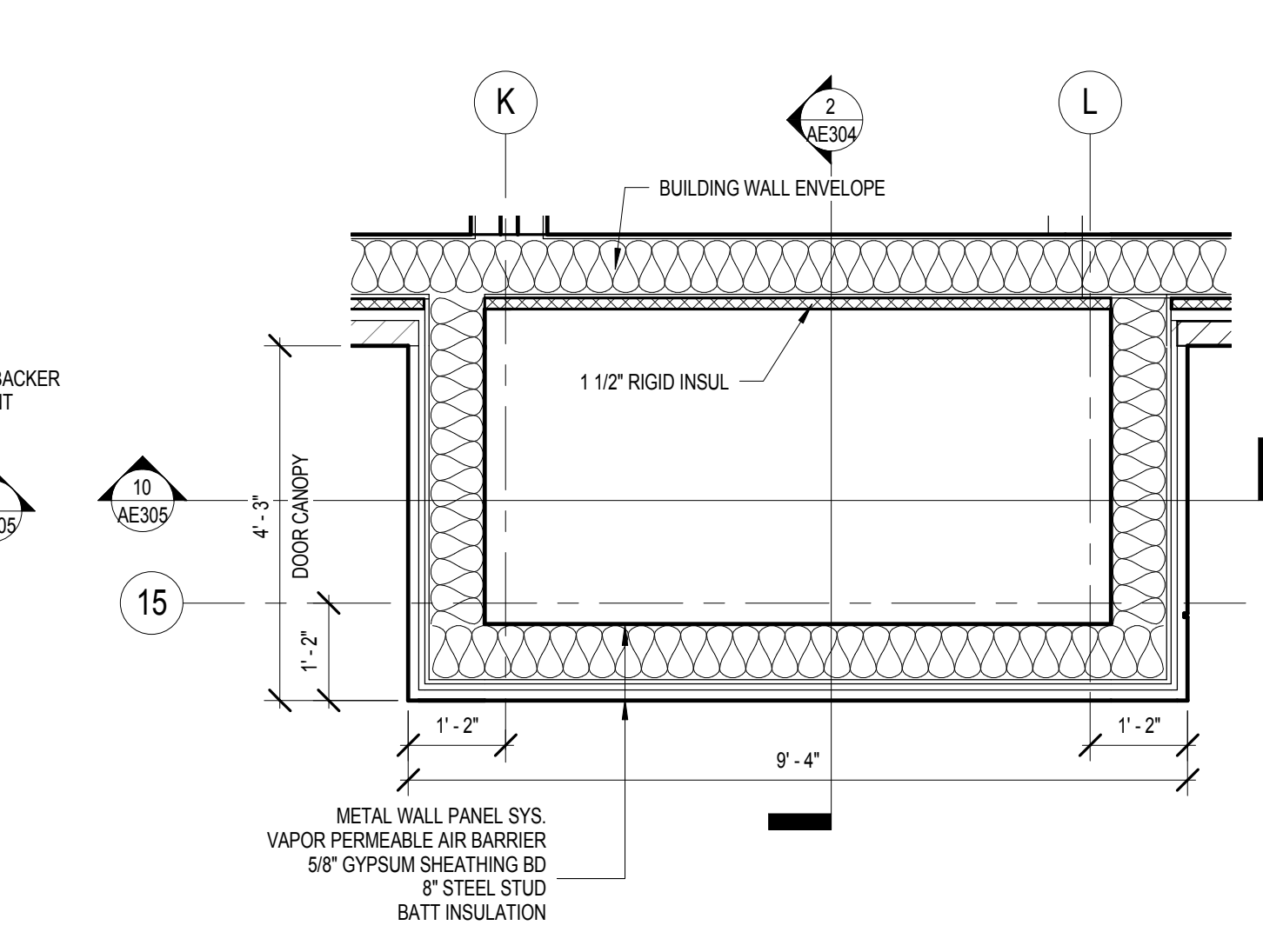


17 PLAN DETAIL
1 1/2" = 1'-0"

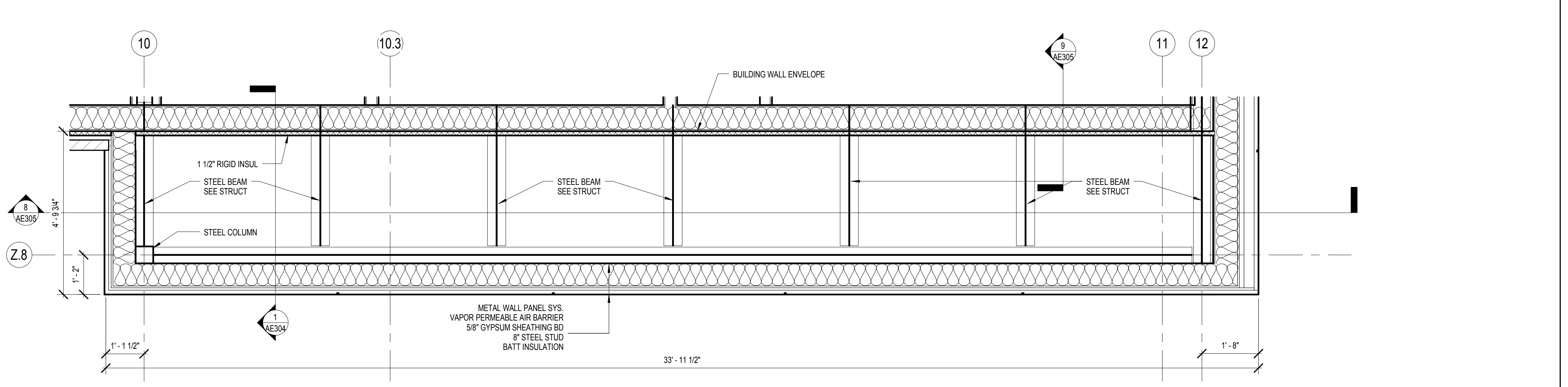
D



18 PLAN DETAIL - DOOR CANOPY @ VEST 113
1/2" = 1'-0"



19 PLAN DETAIL - DOOR CANOPY @ VEST 176
1/2" = 1'-0"



20 PLAN DETAIL - DOOR CANOPY / OVERHANG @ VEST 136
1/2" = 1'-0"

0 1 2
SCALE: 1 1/2" = 1'-0"
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Revisions	Date

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Stamp: REGISTERED PROFESSIONAL ARCHITECT
REG. NO. 8733
Paul D. Dahlberg
10-1-2018

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

AE PROJECT NO.: 14541

Drawing Title: **PLAN DETAILS**

Phase: **100% BID DOCUMENTS**

Project Title: **Outpatient Mental Health Building**

Location: 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date: 10/01/2018

Checked: PDD

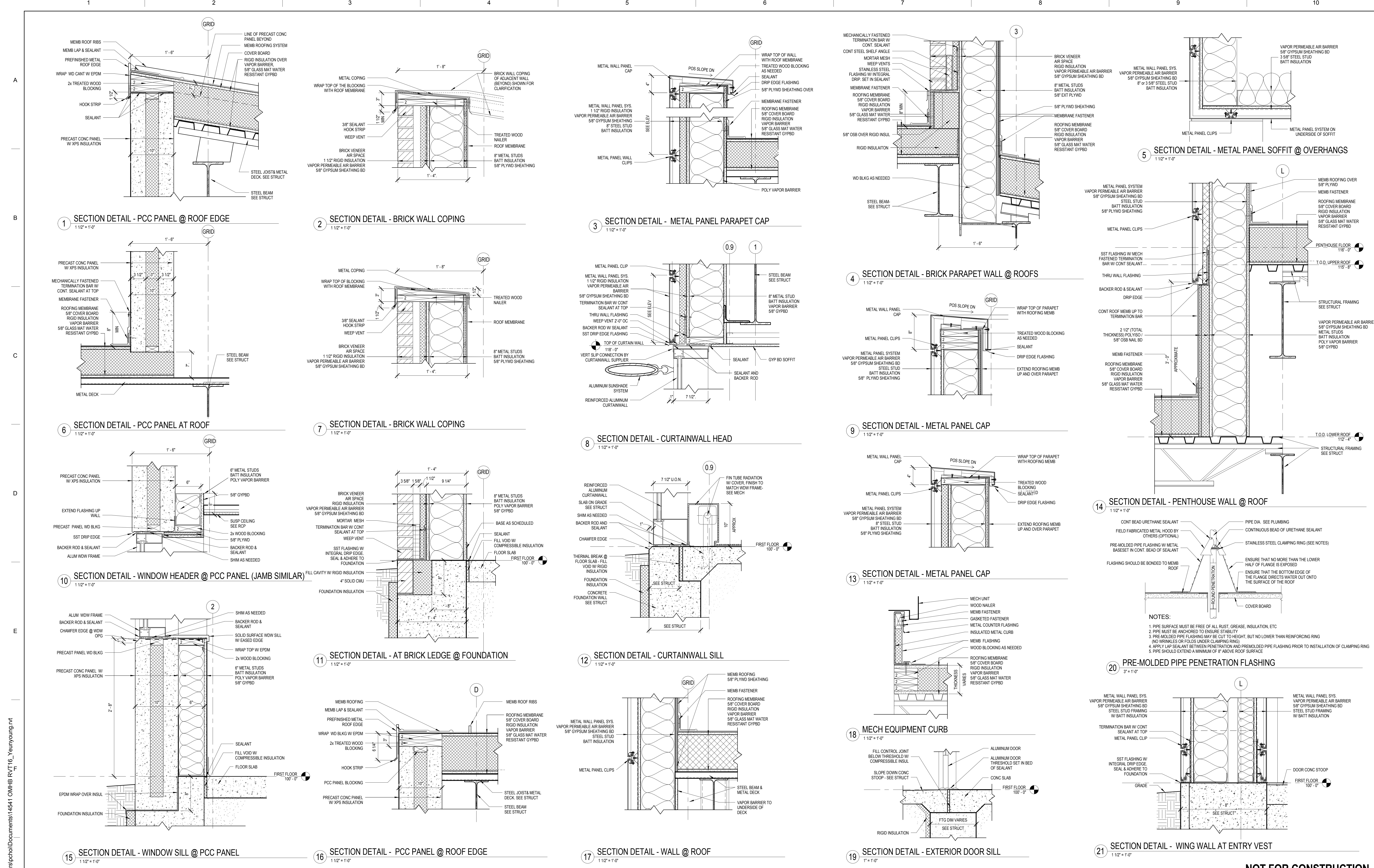
Drawn: MMM, PYC

Project Number: VA #438-450

Building Number: **AE602**

Drawing Number: **Dwg. 44 of 102**

Approved: Project Director	Project Title: Outpatient Mental Health Building	Project Number: VA #438-450
Phase: 100% BID DOCUMENTS	Location: 2501 W 22nd St, Sioux Falls, SD, 57105	Building Number: AE602
Project Title: Outpatient Mental Health Building	Issue Date: 10/01/2018	Drawing Number: Dwg. 44 of 102



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Revisions	Date

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 Paul D. Dahlberg
 10-1-2018

AE PROJECT NO.: 14541

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

Drawing Title
SECTION DETAILS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
 2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
 10/01/2018

Checked
 PDD

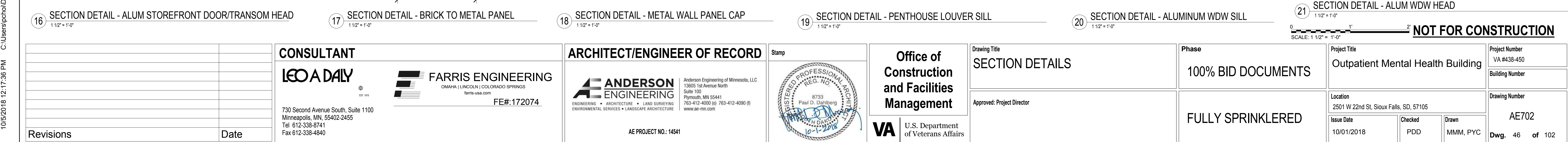
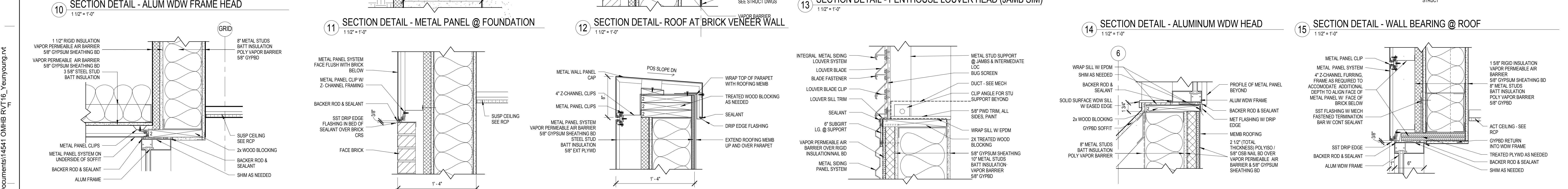
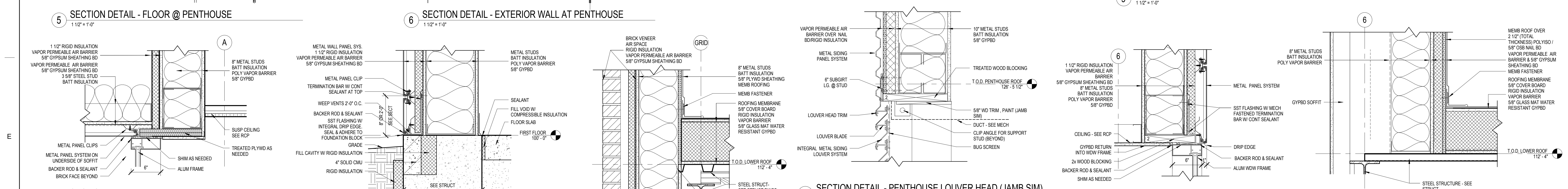
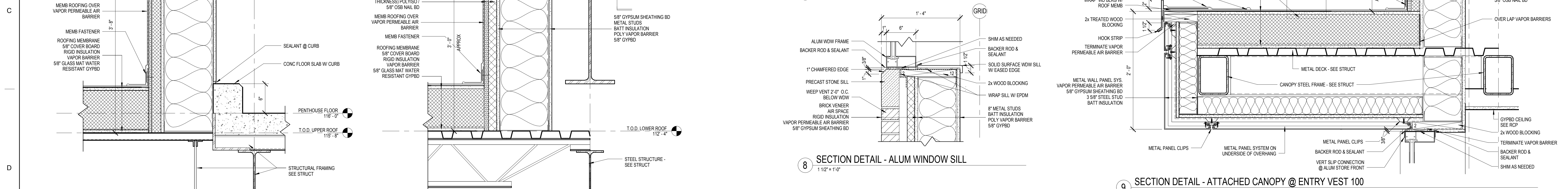
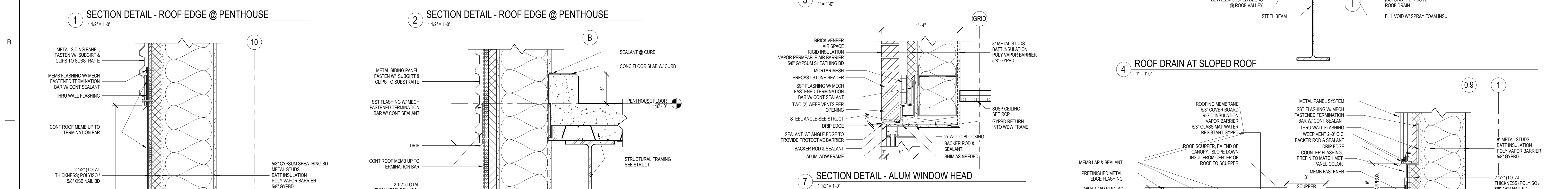
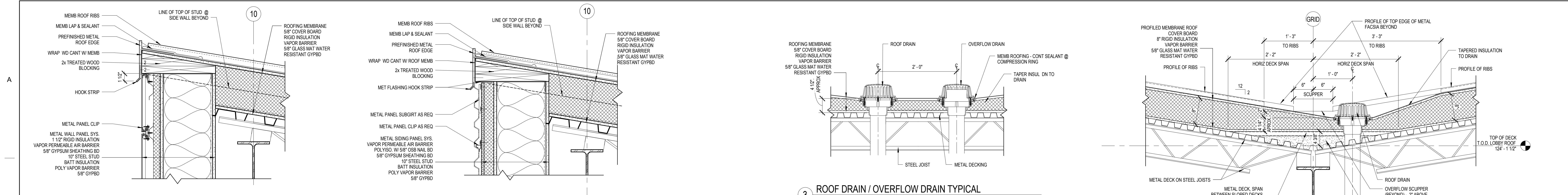
Drawn
 MMM, PYC

Project Number
 VA #438-450

Building Number

Drawing Number
AE701

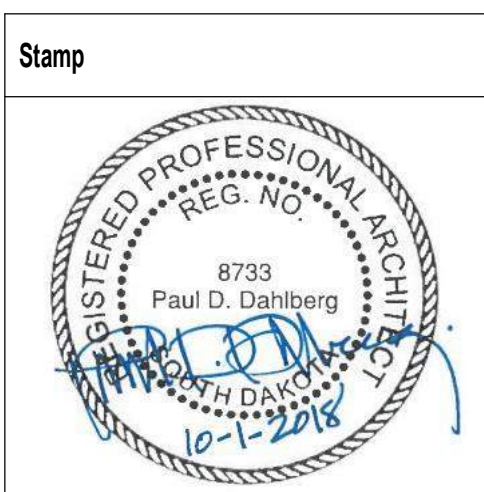
Dwg. 45 of 102



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AE PROJECT NO.: 14541



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VA U.S. Department of Veterans Affairs

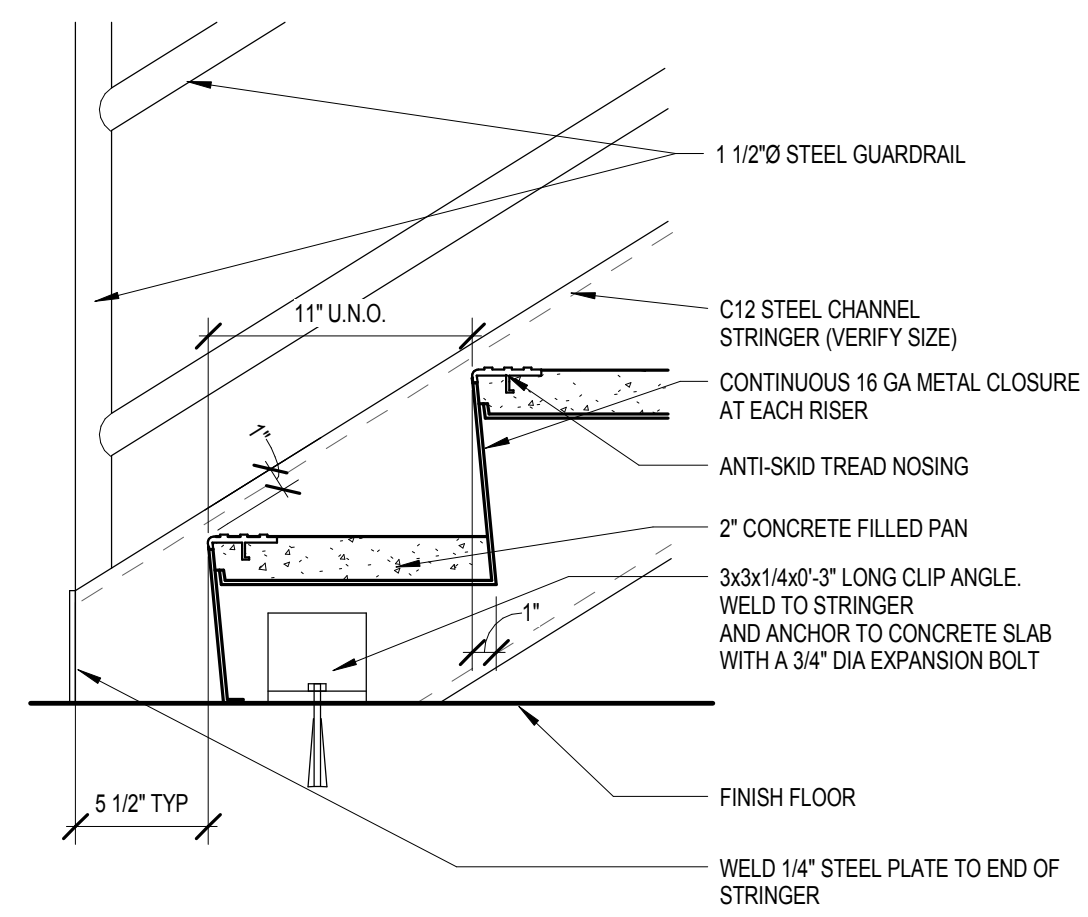
Drawing Title
SECTION DETAILS
Approved: Project Director

Phase
100% BID DOCUMENTS
FULLY SPRINKLERED

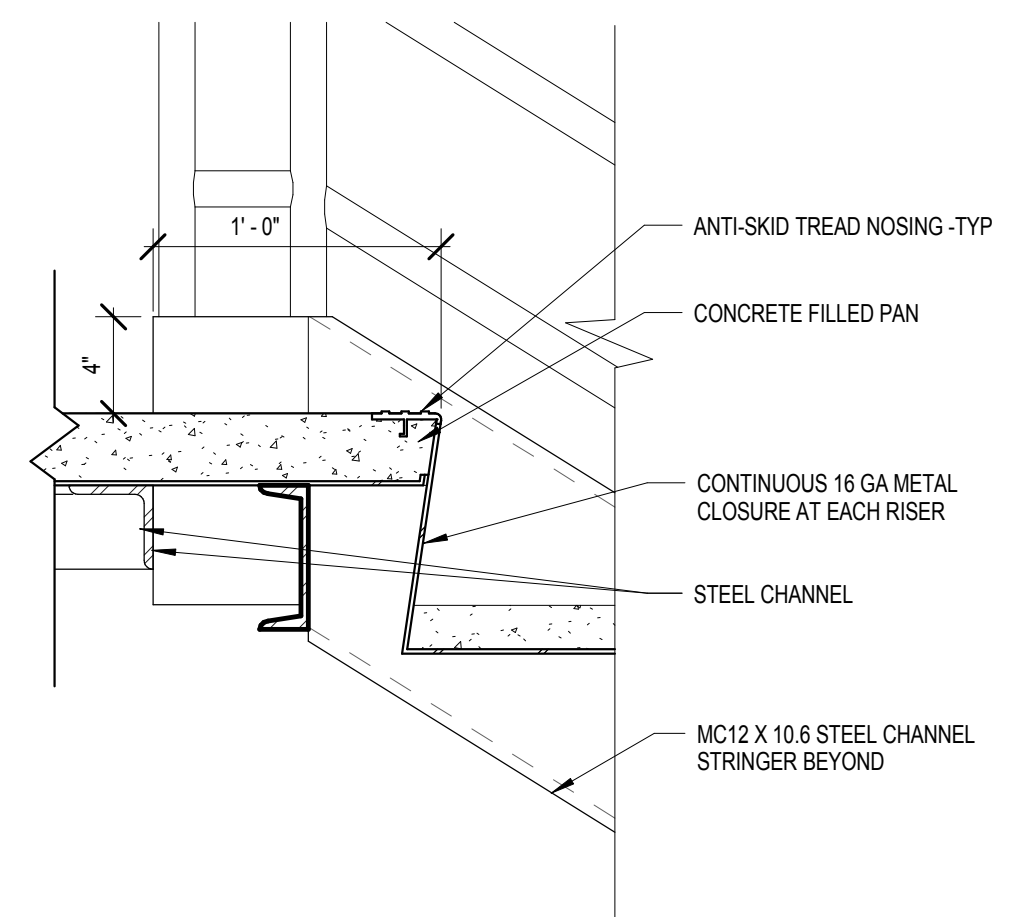
Project Title
Outpatient Mental Health Building
Location
2501 W 22nd St, Sioux Falls, SD, 57105
Issue Date
10/01/2018
Checked
PDD
Drawn
MMM, PYC
Project Number
VA #438-450
Building Number
Drawing Number
AE702
Dwg. 46 of 102

STAIR GENERAL NOTES

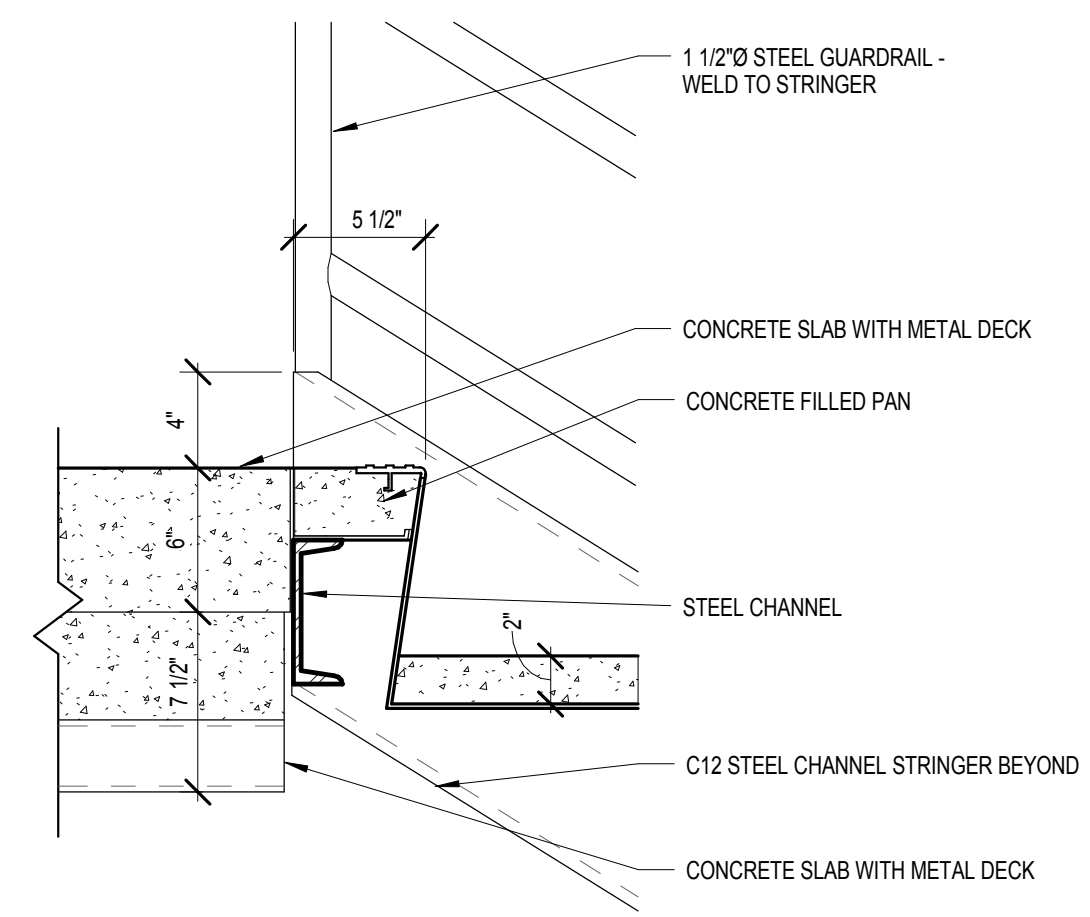
1. PROVIDE 1/4" PL CAP AT EXPOSED STL. TUBE COLUMN AND STAIR STRINGER ENDS.
2. GRIND ALL WELDS SMOOTH
3. ALL STAIR COMPONENTS TO BE PRIMED AND PAINTED U.N.O.
4. THE HEIGHT AT INTERIOR STAIRS FROM FIRST FLOOR TO PENTHOUSE FLOOR MUST BE FIELD VERIFIED PRIOR TO FABRICATION.
5. ALL INTERIOR STAIRS TO BE PAINTED



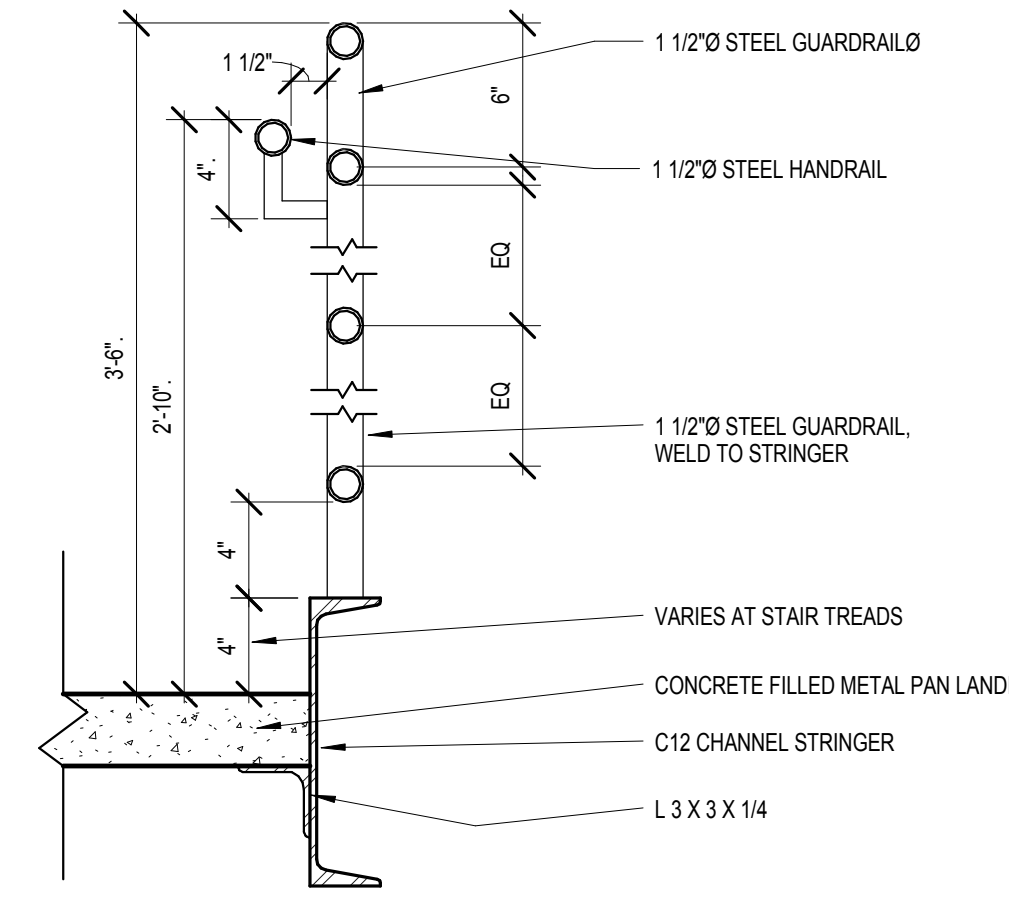
1 INTERIOR STAIR - BOTTOM
1 1/2" = 1'-0"



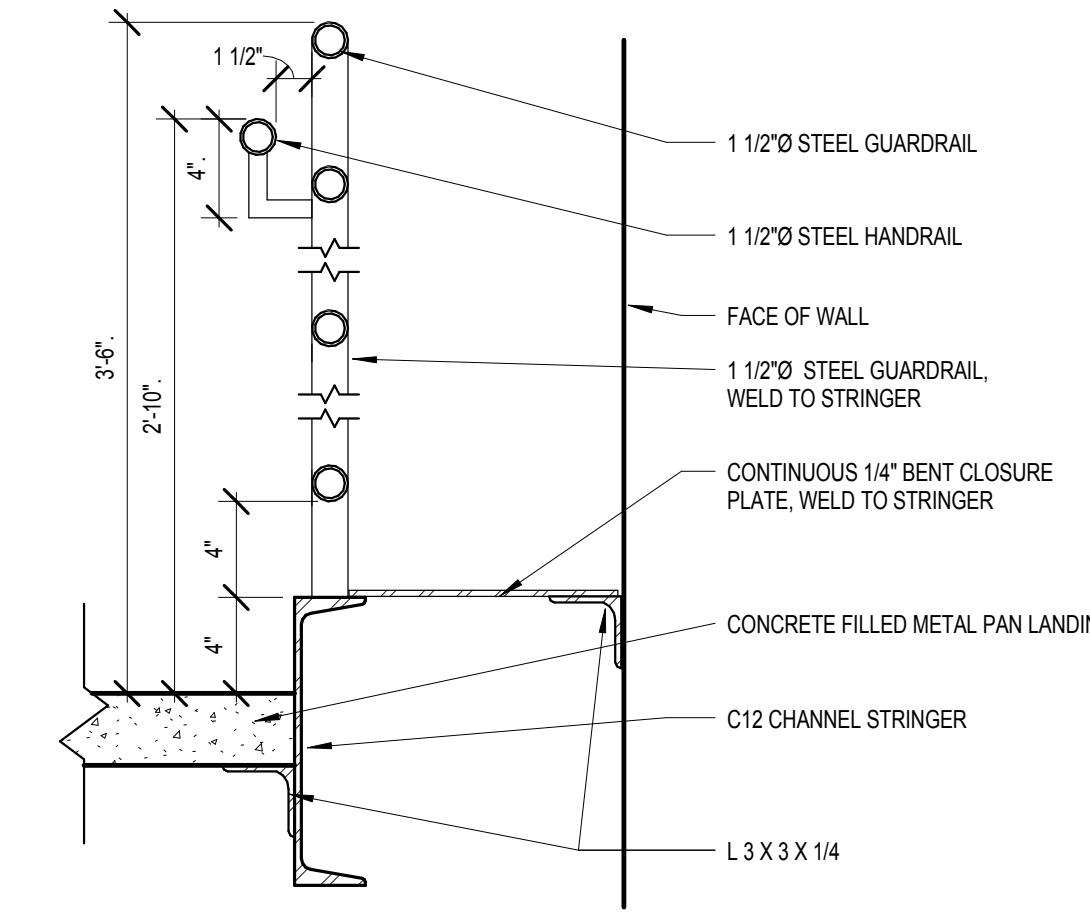
2 INTERIOR STAIR - INTERMEDIATE LANDING
1 1/2" = 1'-0"



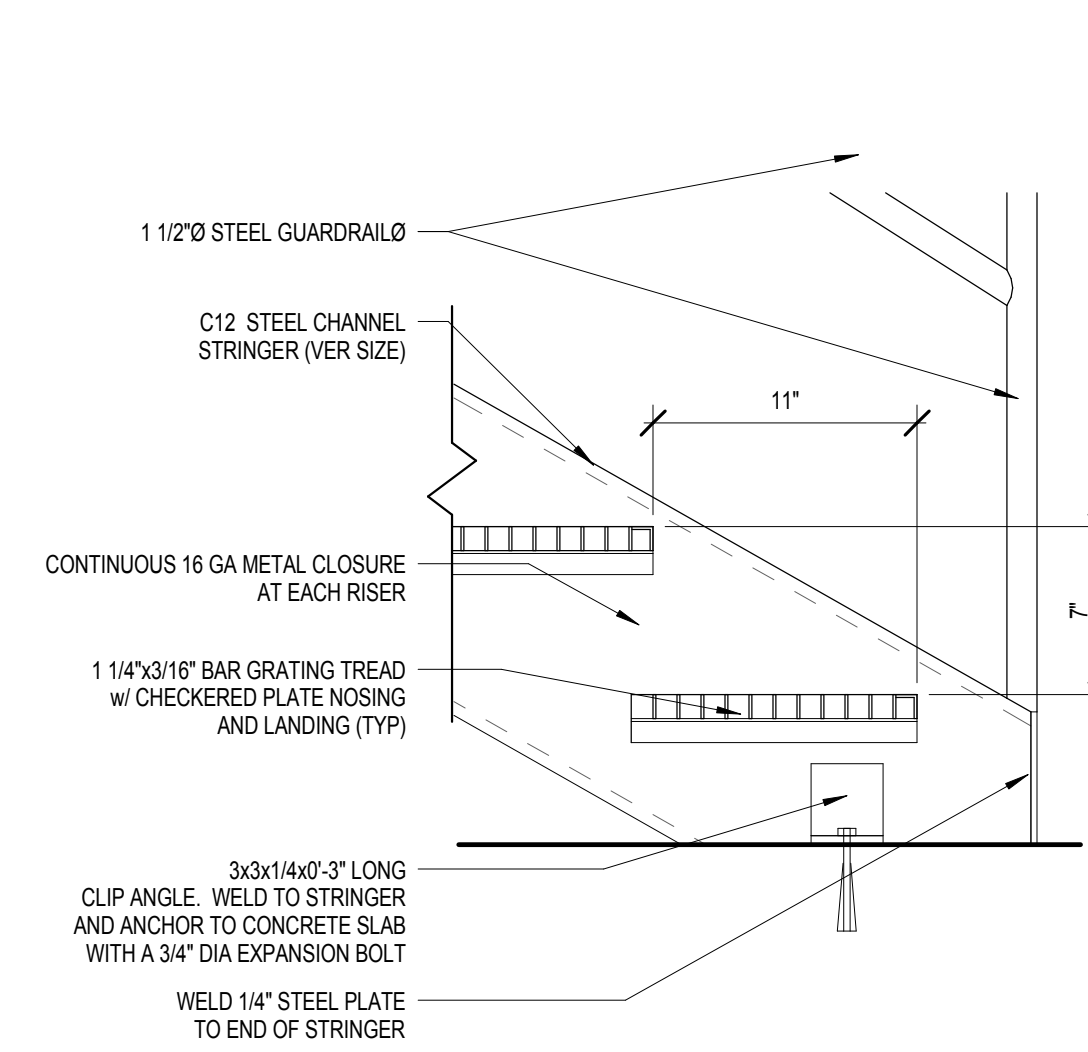
3 INTERIOR STAIR - TOP LANDING
1 1/2" = 1'-0"



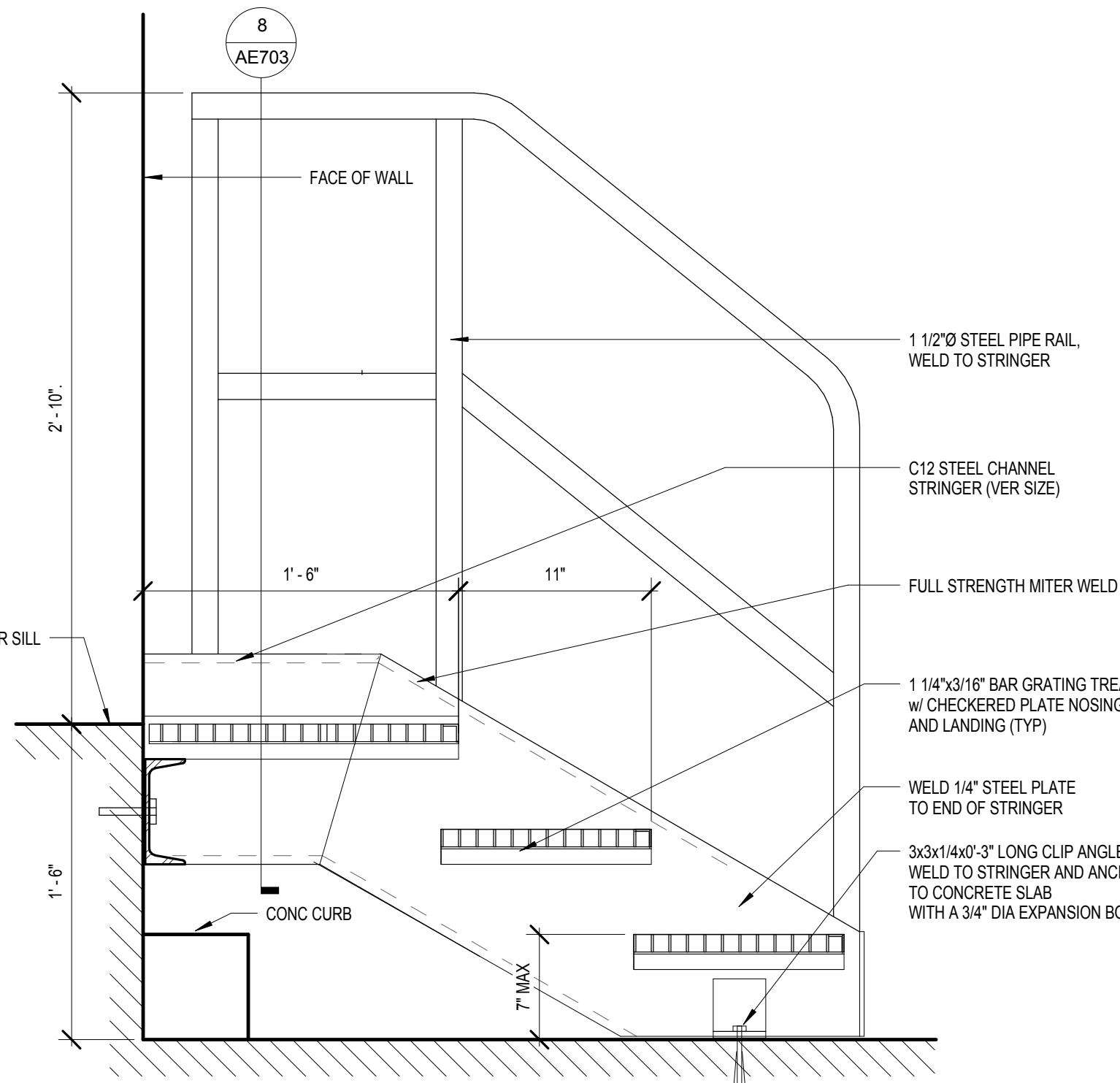
4 INTERIOR STAIR - GUARDRAIL
1 1/2" = 1'-0"



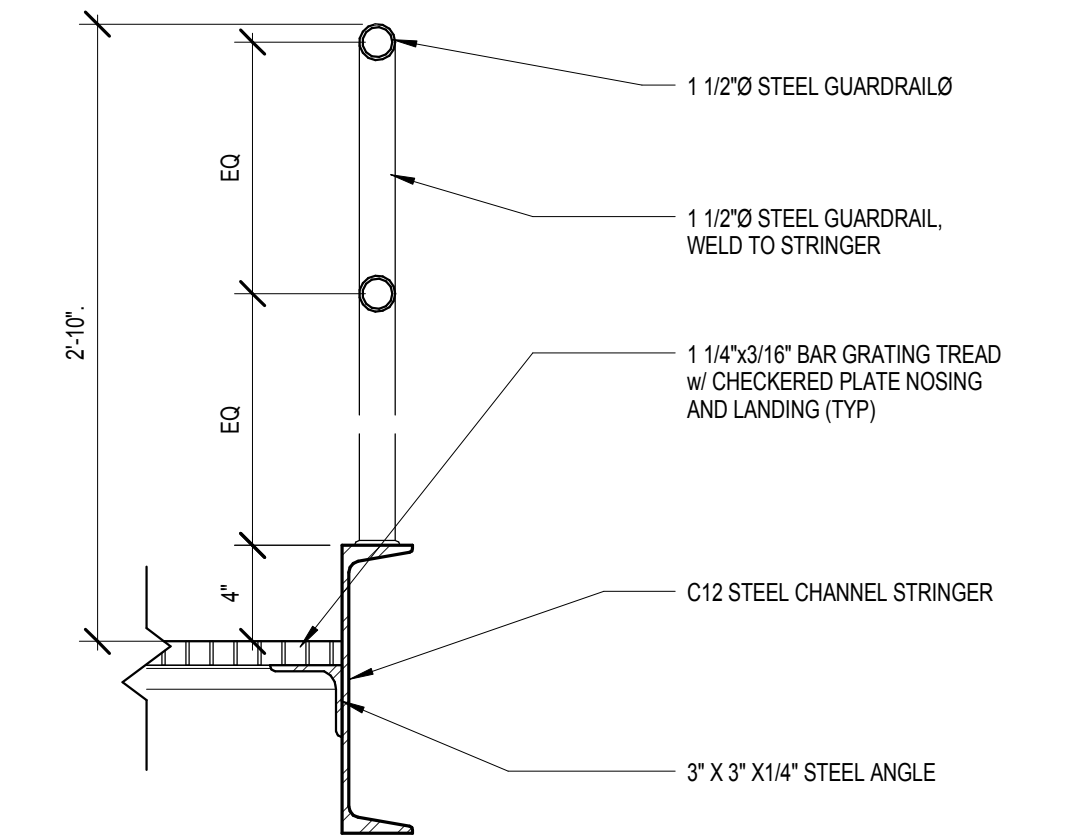
5 INTERIOR STAIR - BENT CLOSURE DETAIL
1 1/2" = 1'-0"



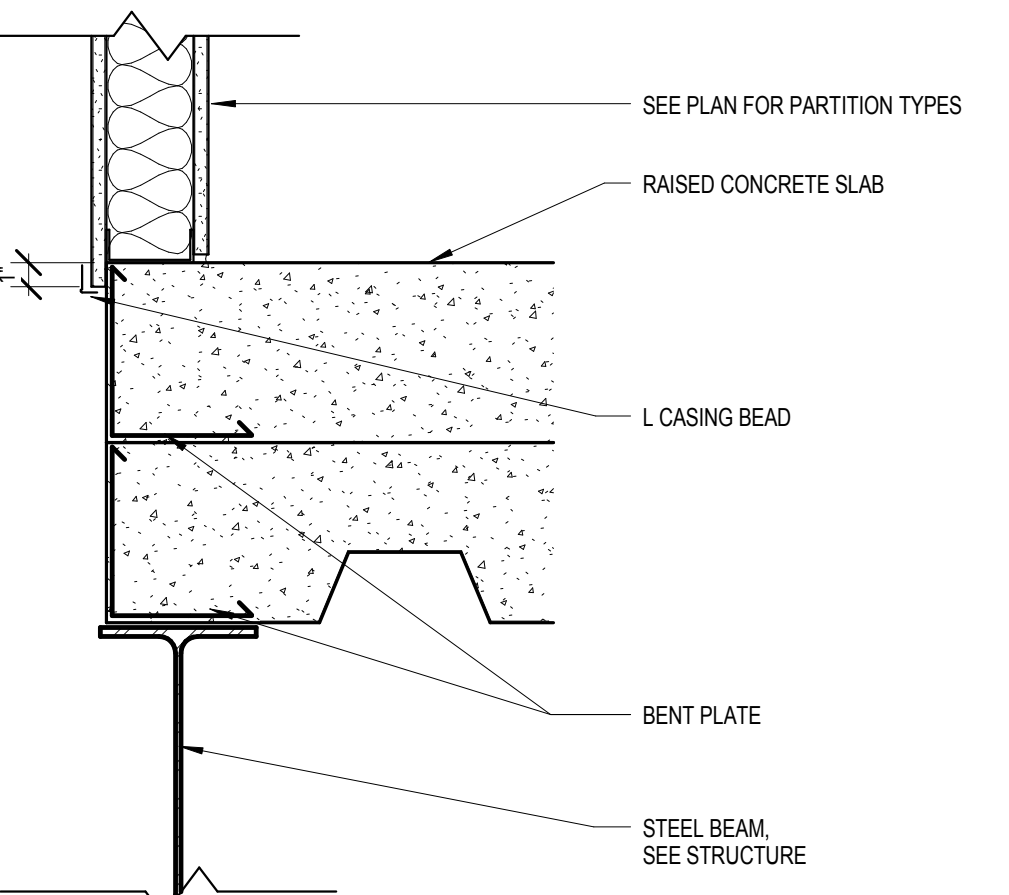
6 STEEL GRATING STAIR - BOTTOM
1 1/2" = 1'-0"



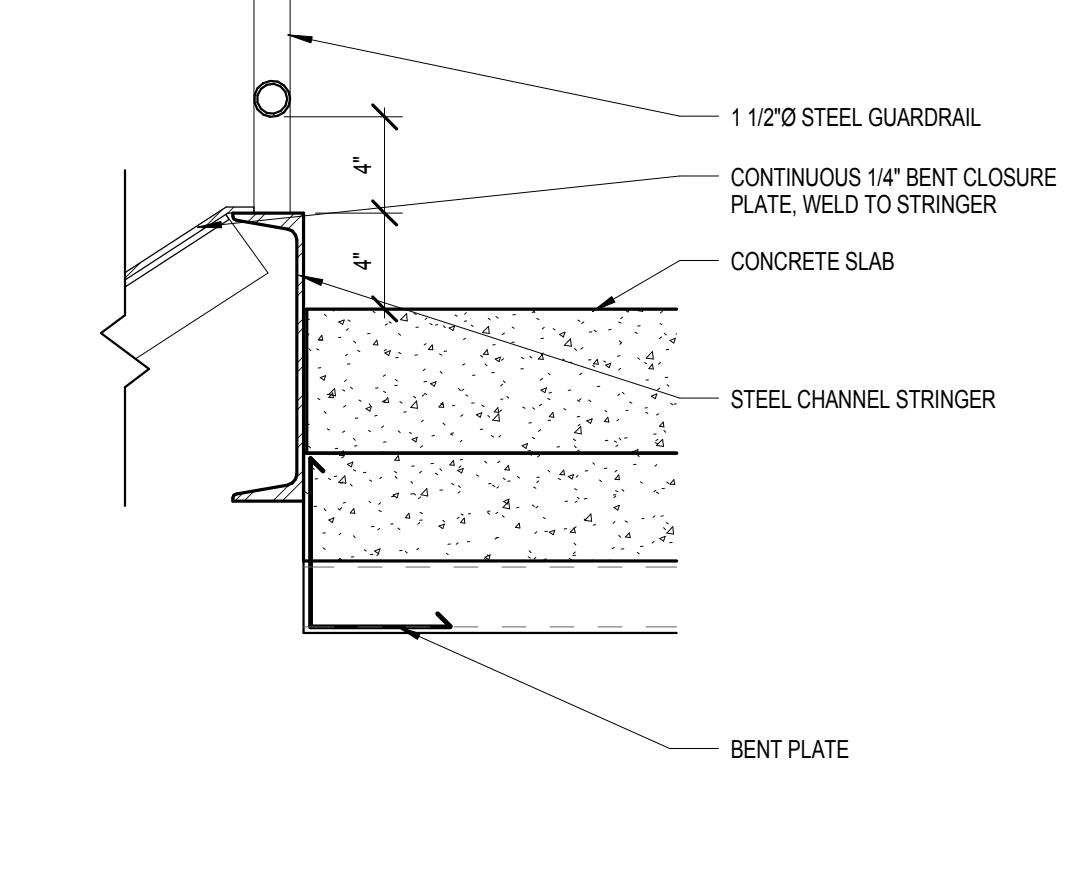
7 STEEL GRATING STAIR - TOP LANDING
1 1/2" = 1'-0"



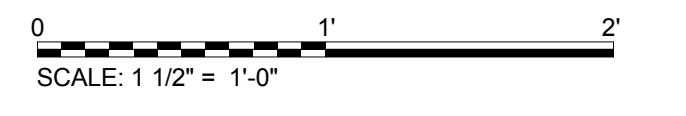
8 STEEL GRATING STAIR - GUARDRAIL
1 1/2" = 1'-0"



9 SECTION DETAIL - SLAB EDGE
1 1/2" = 1'-0"



10 INTERIOR STAIR - SLAB EDGE DETAIL
1 1/2" = 1'-0"



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AE PROJECT NO.: 14541

Stamp

REGISTERED PROFESSIONAL ARCHITECT
REG. NO. 8733
Paul D. Dahlberg
10-1-2018

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SECTION DETAILS - STAIR

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

Checked
PDD

Drawn
MMM, PYC

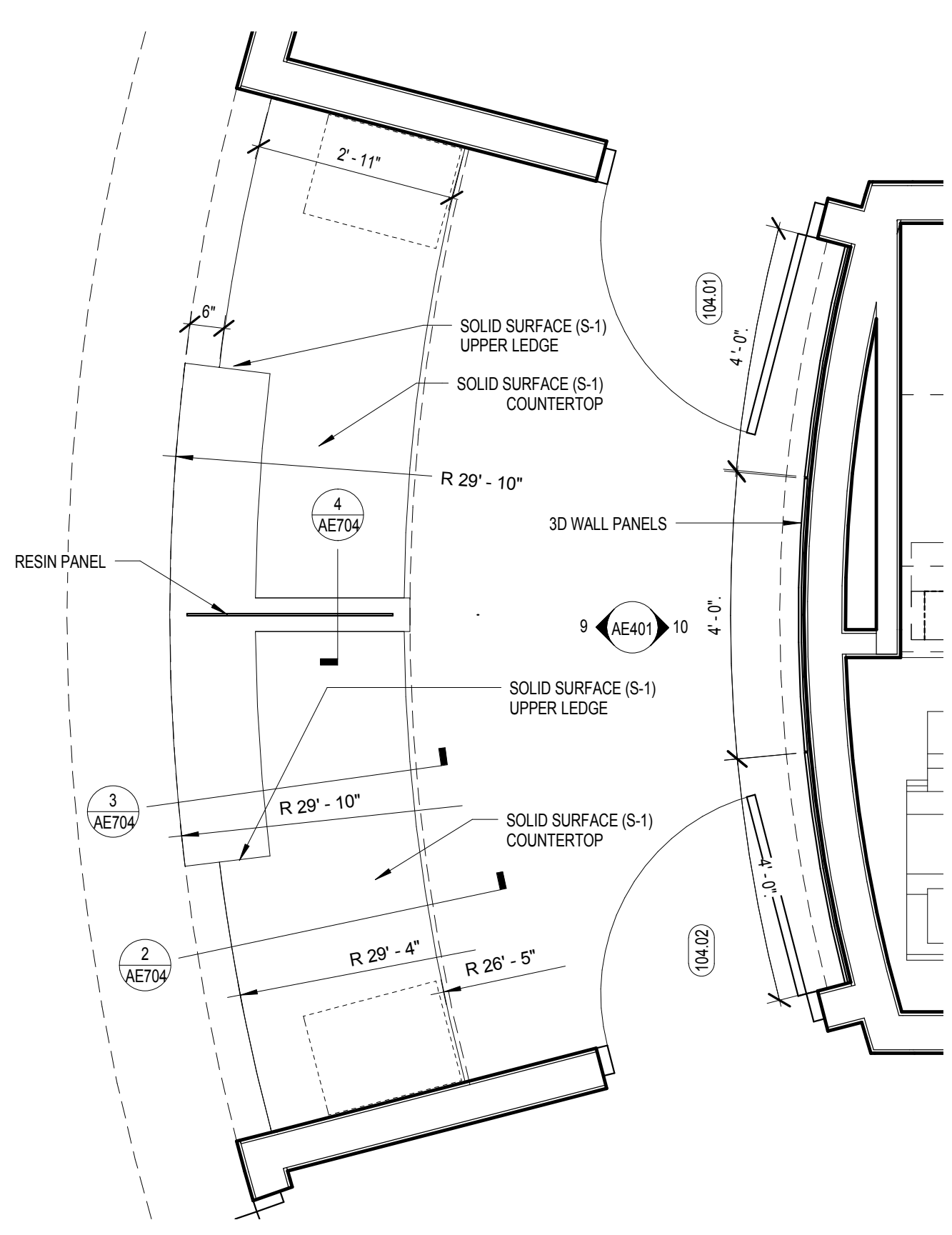
Project Number
VA #438-450

Building Number

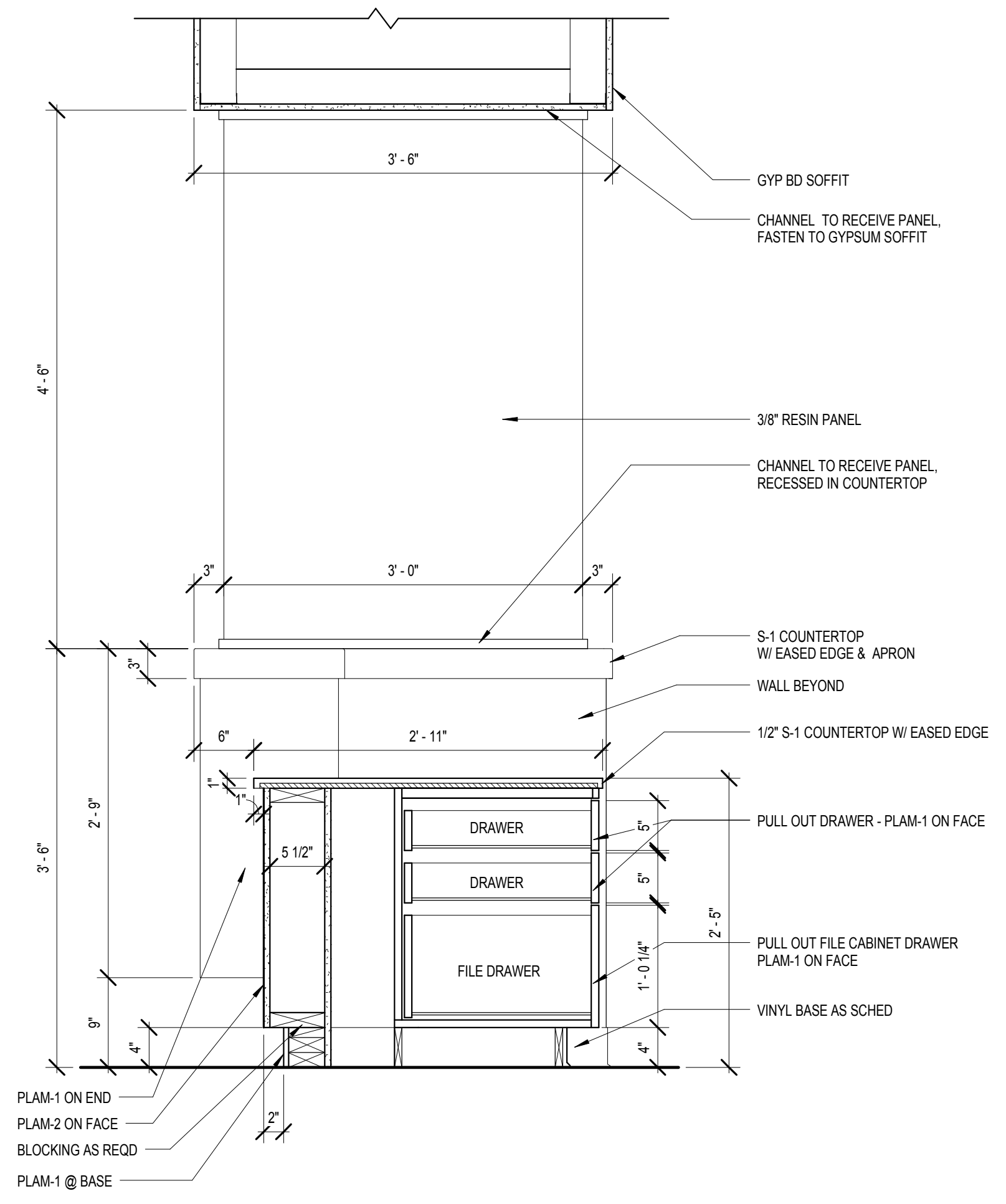
Drawing Number
AE703

Dwg. 47 of 102

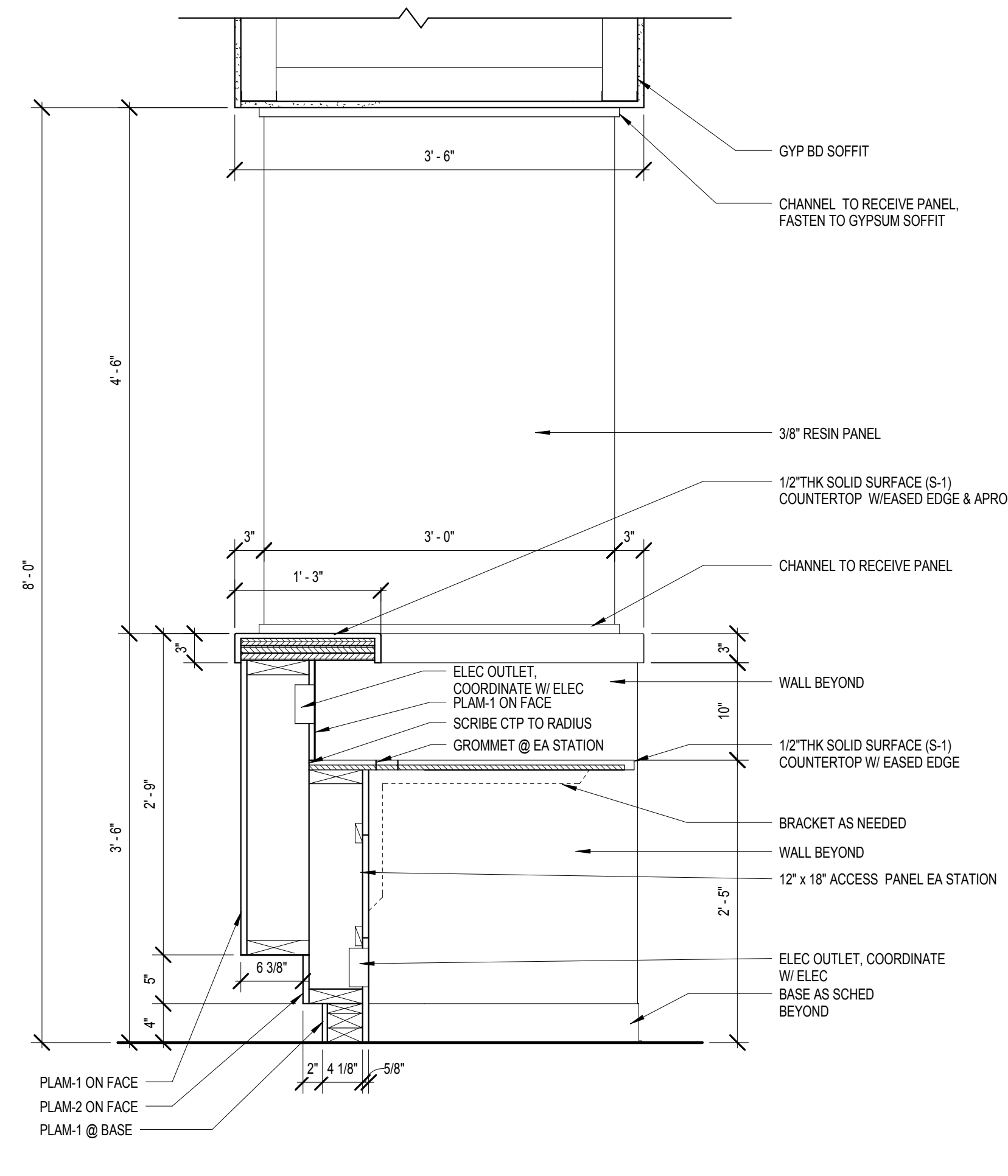
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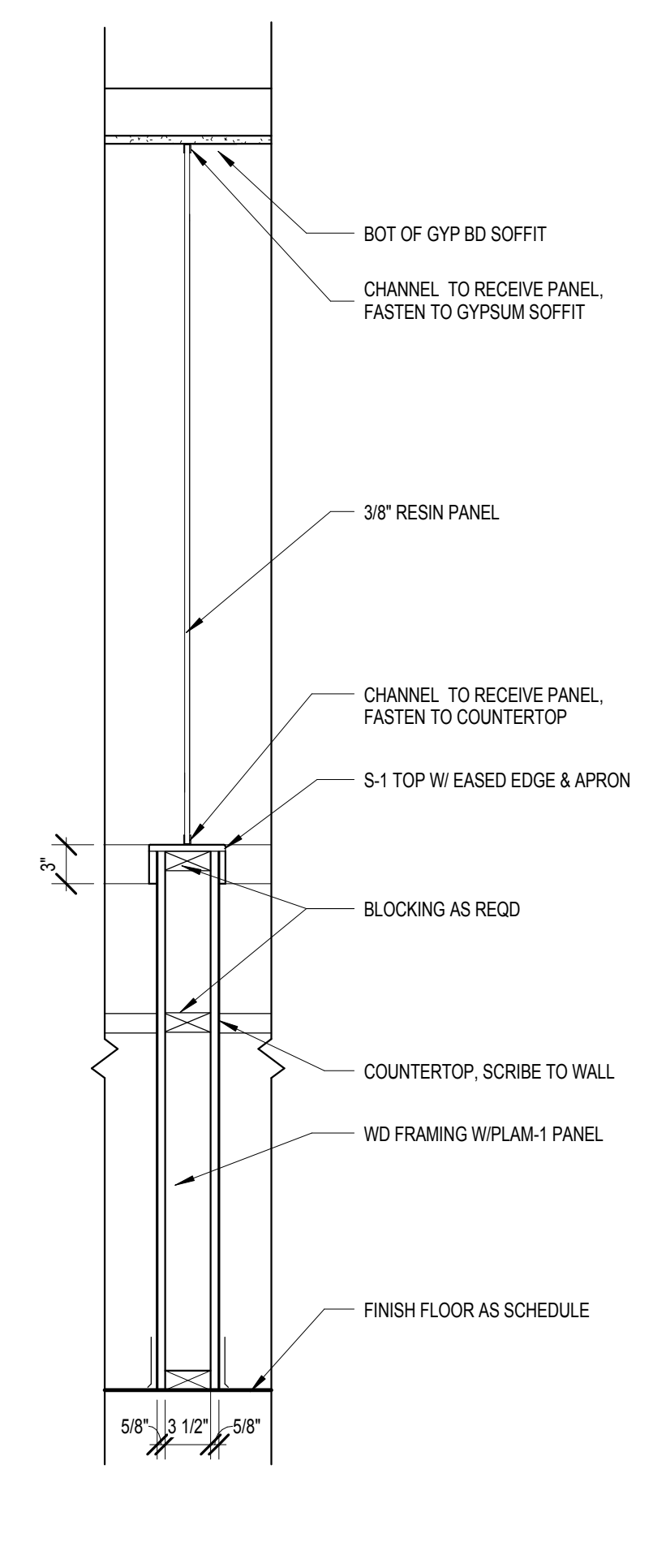
1 ENLARGED FLOOR PLAN - CHECK IN
1/2" = 1'-0"



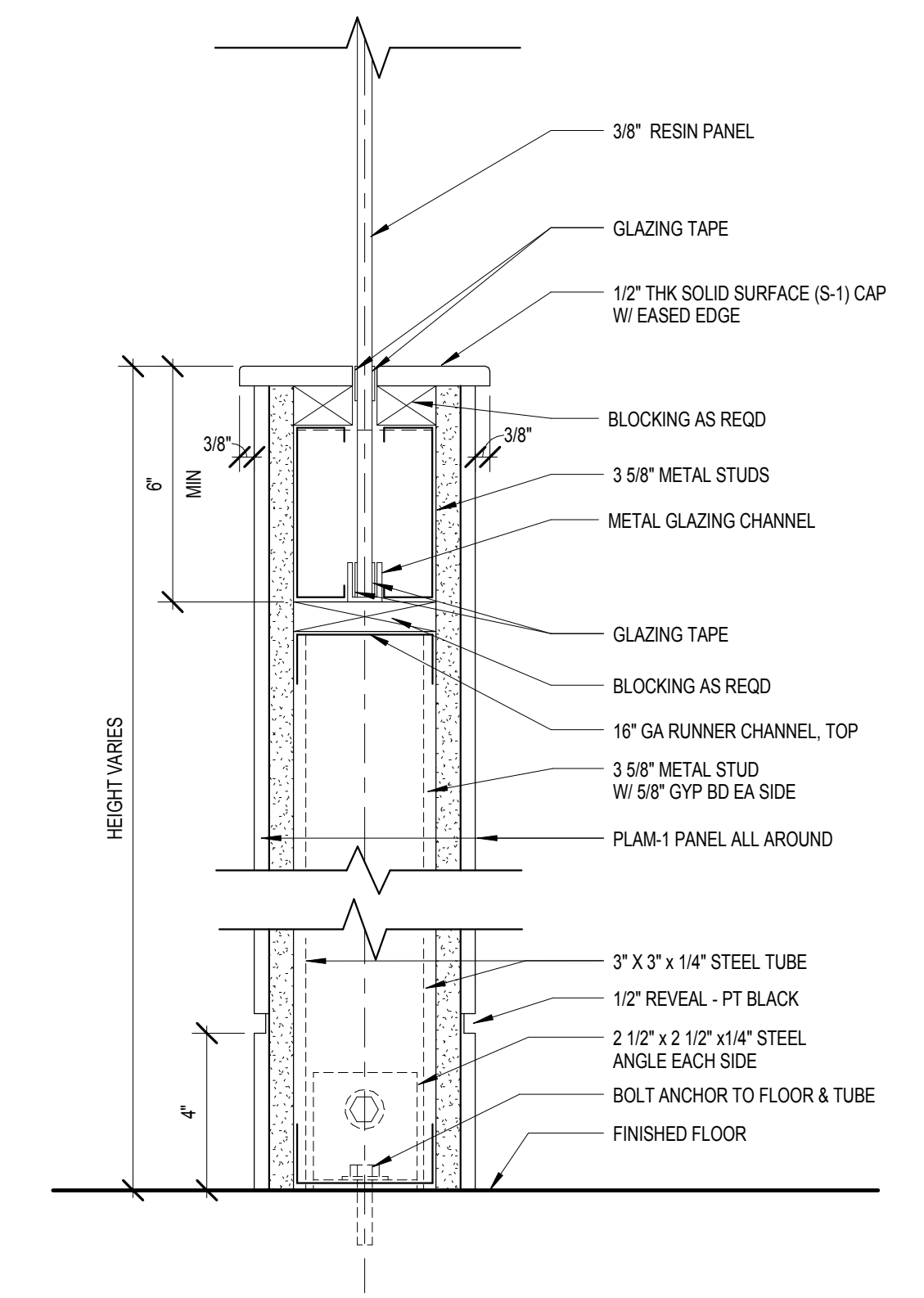
2 SECTION THROUGH RECEPTION DESK - LOWER COUNTERTOP
1" = 1'-0"



3 SECTION THROUGH RECEPTION DESK - TOP LEDGE
1" = 1'-0"

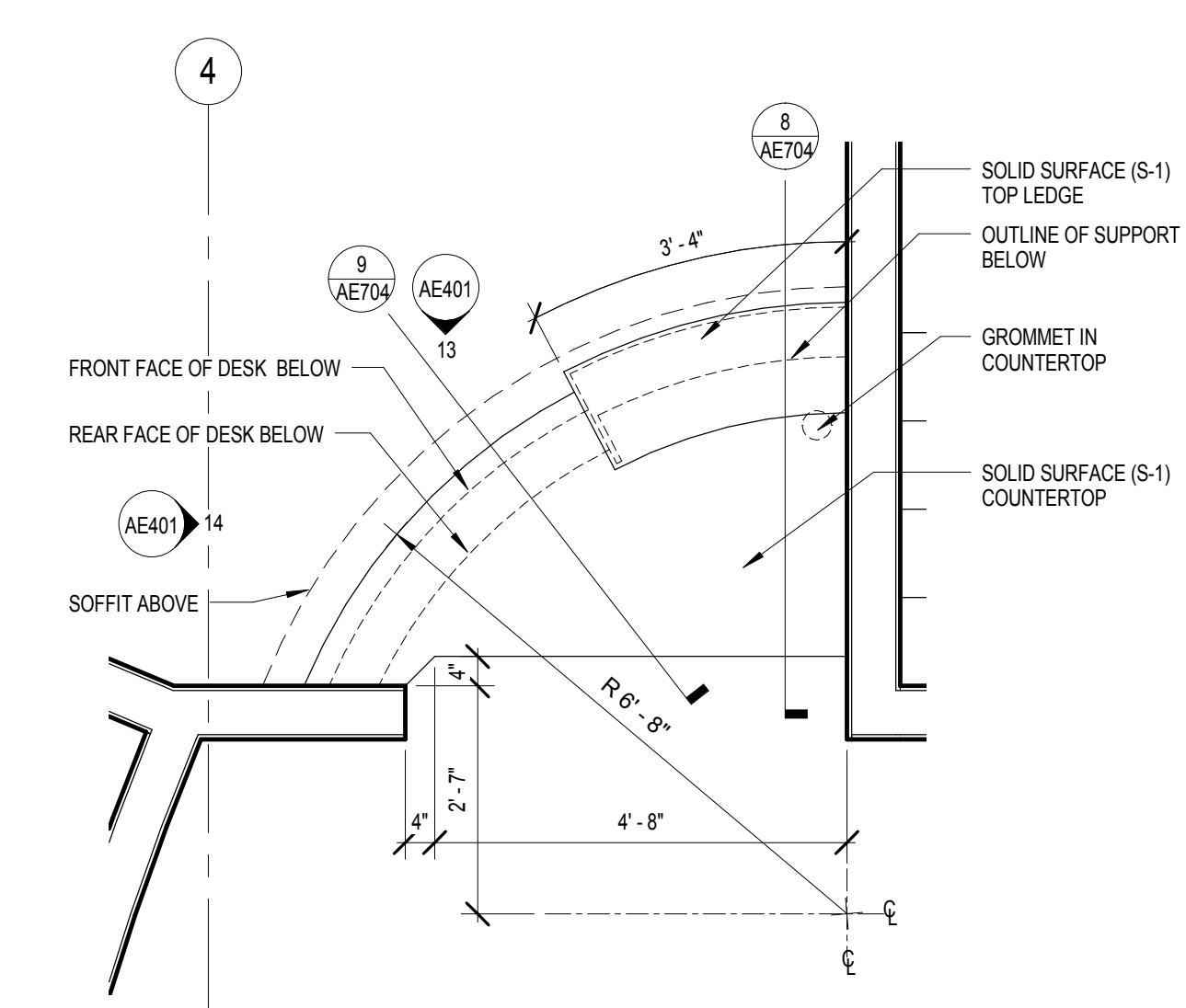


4 SECTION DETAIL - RECEPTION DESK DIVIDER
1" = 1'-0"

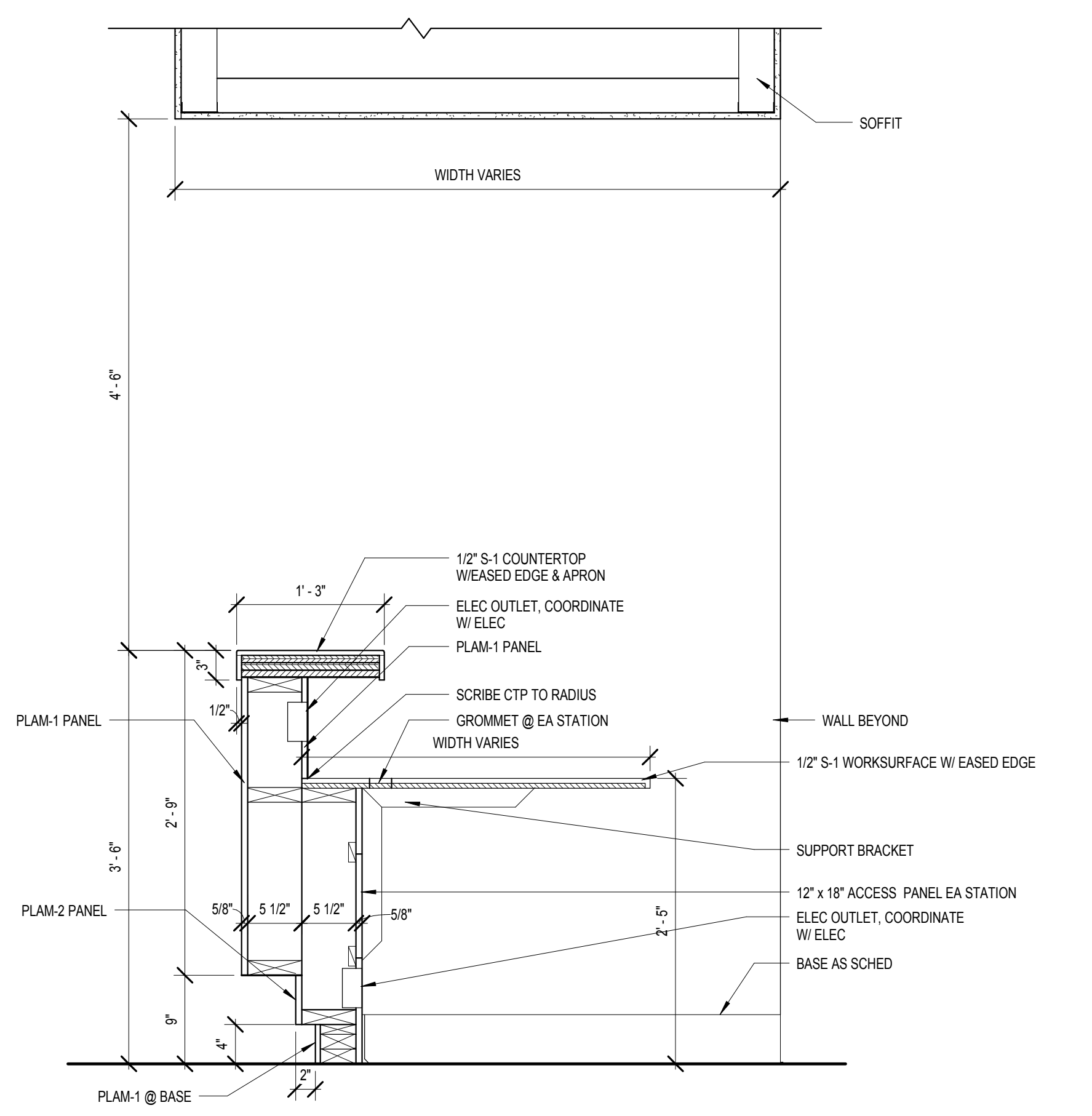


5 SECTION DETAIL - SCREEN WALL
3" = 1'-0"

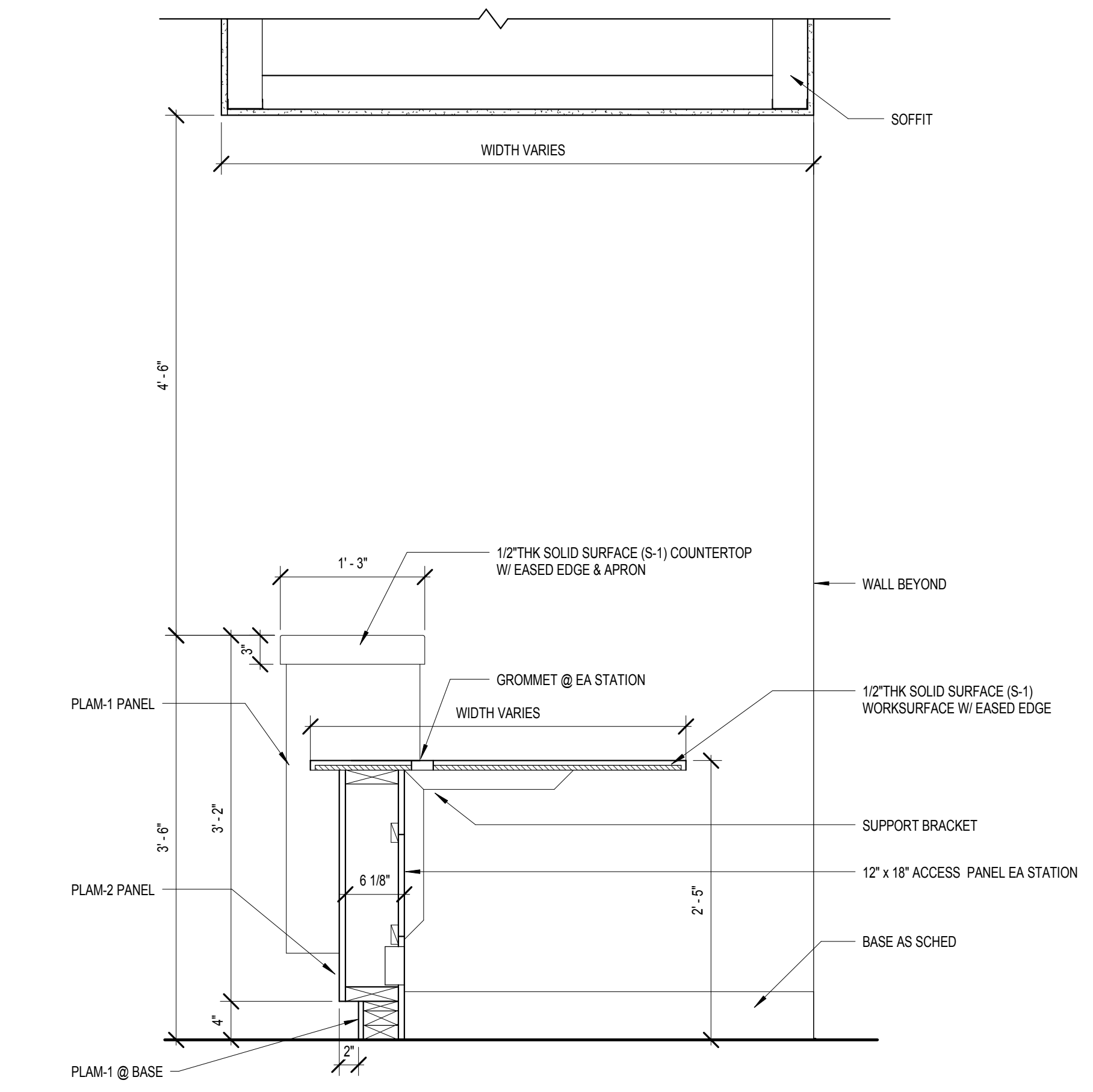
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E



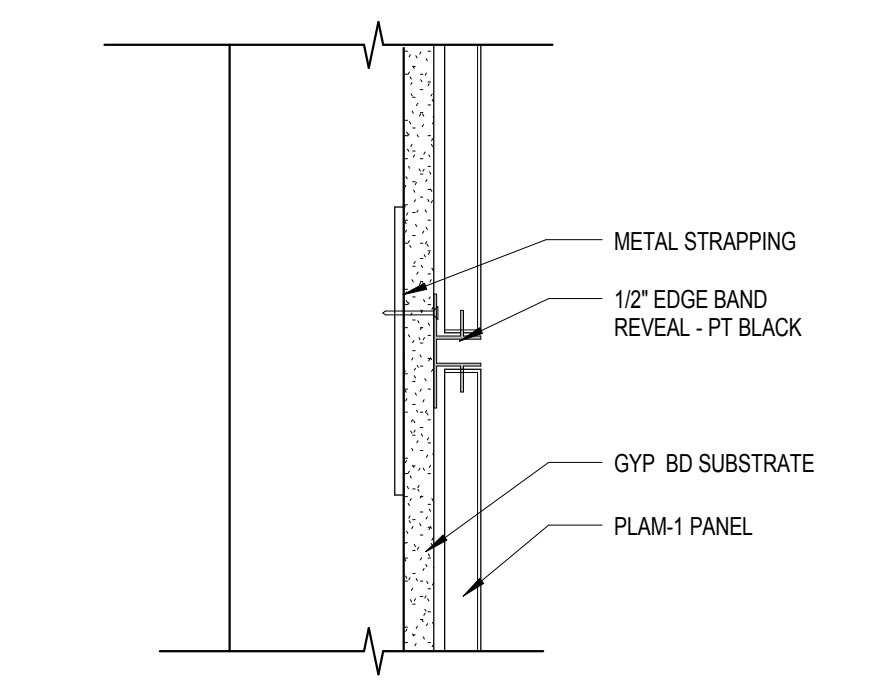
6 ENLARGED FLOOR PLAN - NORTH CHECK OUT
1/2" = 1'-0"



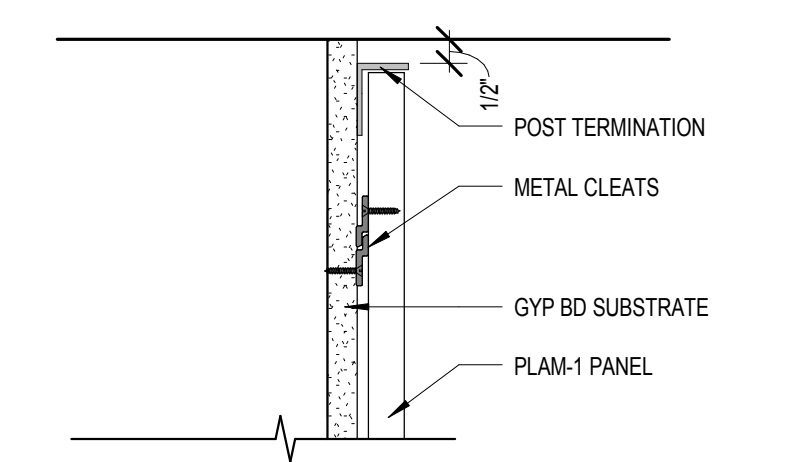
8 SECTION THROUGH CHECK OUT
1" = 1'-0"



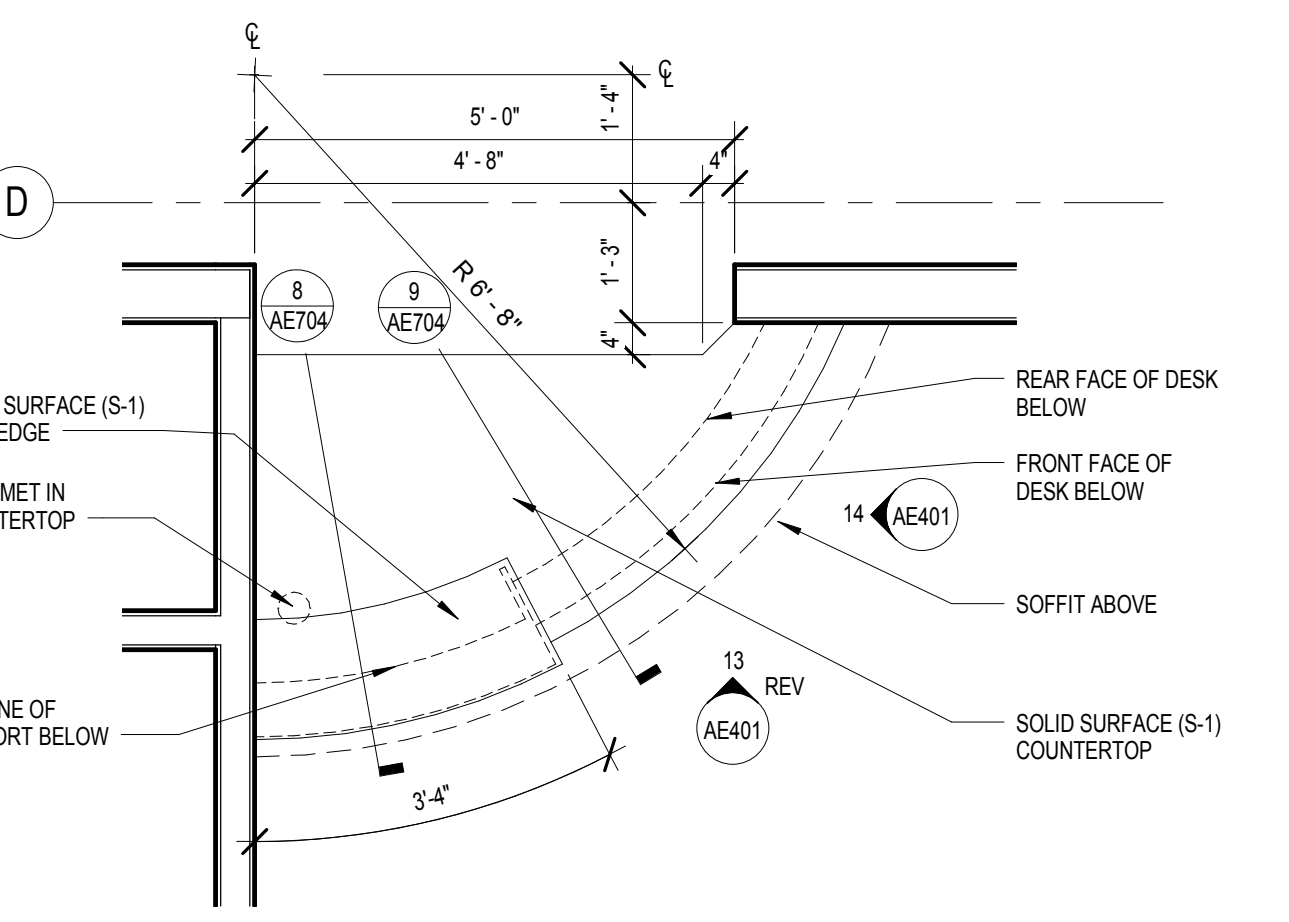
9 SECTION THROUGH CHECK OUT DESK, LOWER COUNTERTOP
1" = 1'-0"



10 paneled wall reveal detail
3" = 1'-0"



11 paneled wall termination
3" = 1'-0"



7 ENLARGED FLOOR PLAN - SOUTH CHECK OUT
1/2" = 1'-0"

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13605 1st Avenue North
Suite 100
Plymouth, MN 55441
763-412-4000 (t) 763-412-4090 (f)
www.ae-mm.com
AE PROJECT NO.: 14541

Stamp
REGISTERED PROFESSIONAL ARCHITECT
REG. NO. 8733
Paul D. Dahlberg
10-1-2018

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

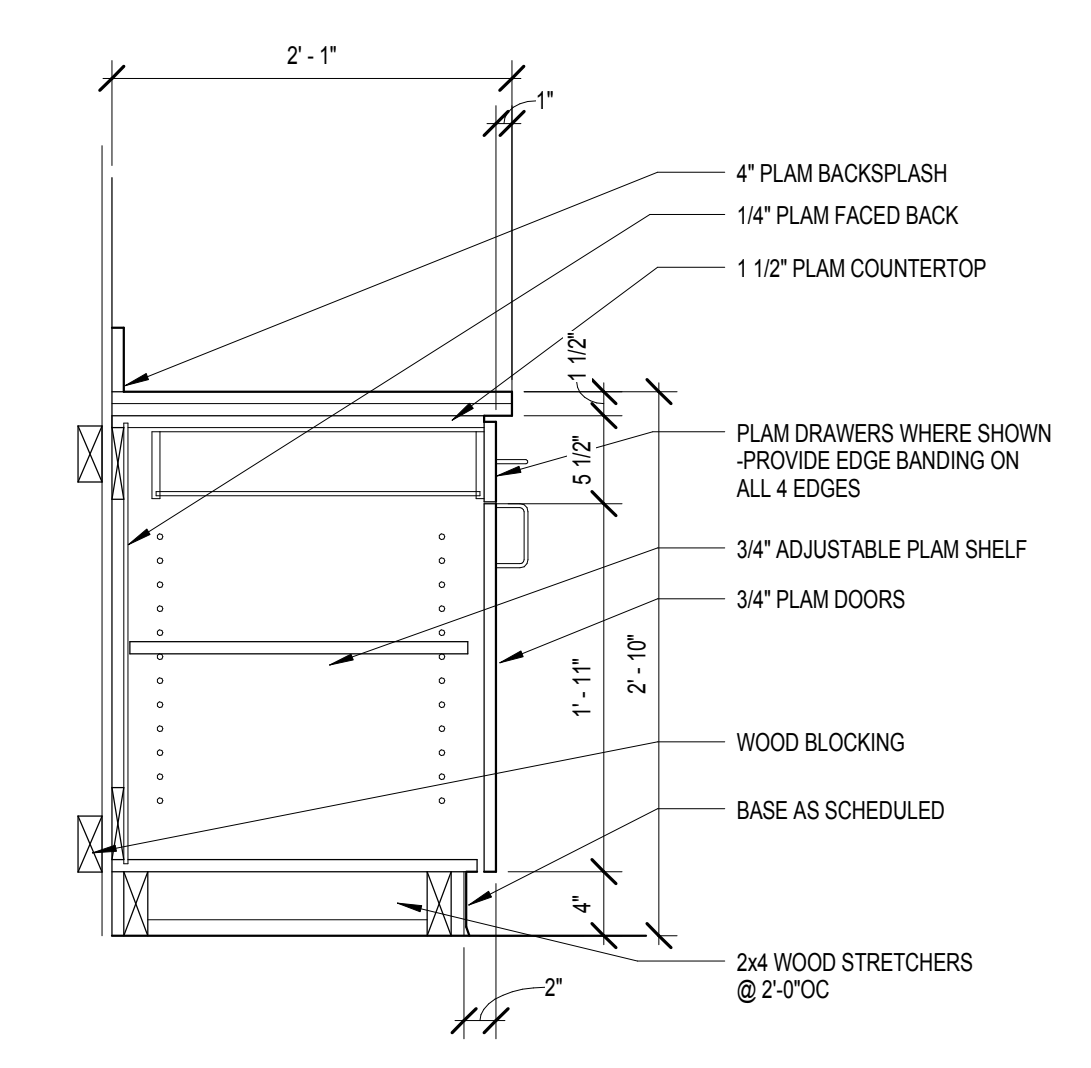
Drawing Title
PLAN AND SECTION DETAILS - MILLWORK
Approved: Project Director

Phase
100% BID DOCUMENTS
FULLY SPRINKLERED

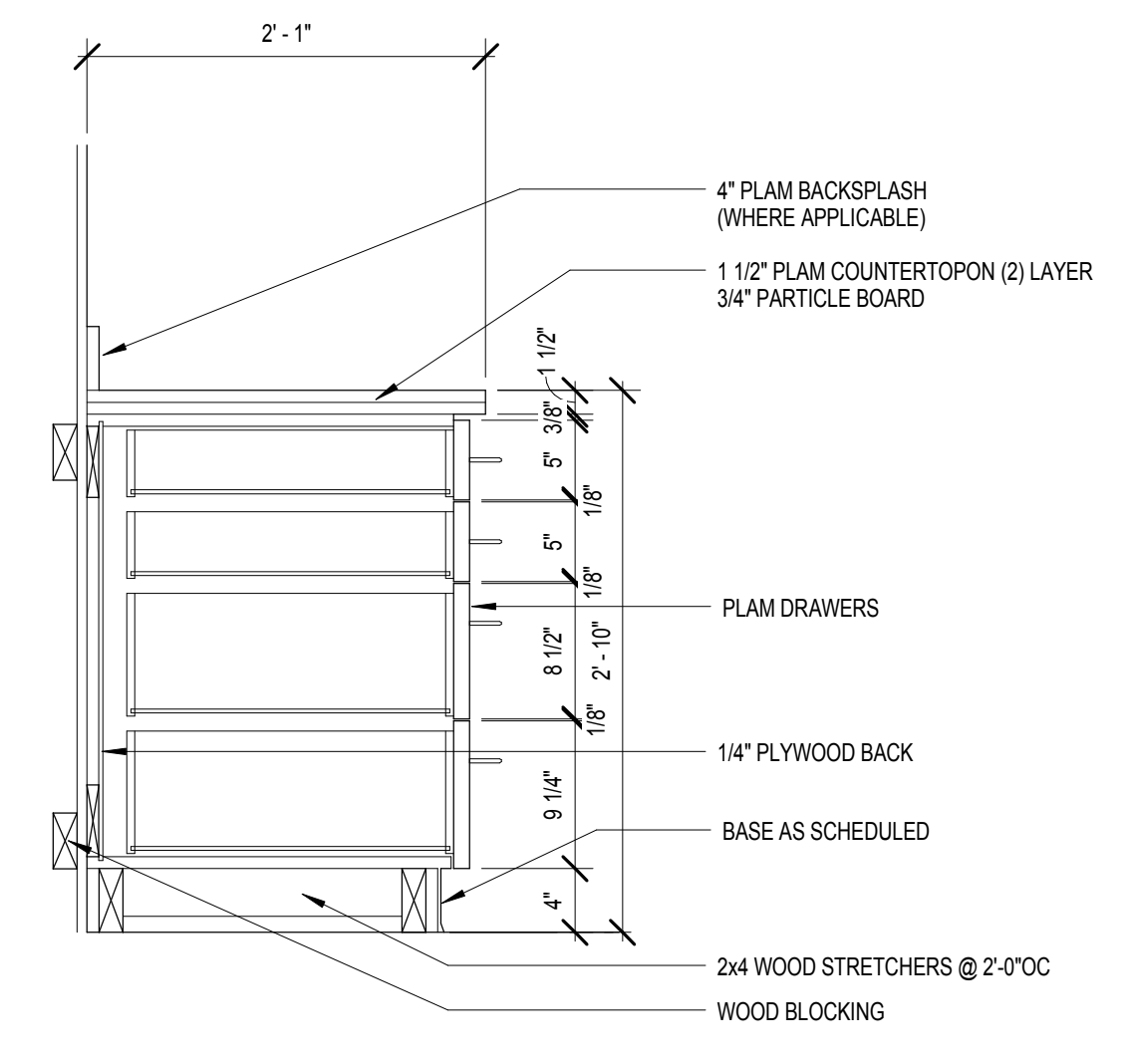
Project Title
Outpatient Mental Health Building
Location
2501 W 22nd St, Sioux Falls, SD, 57105
Issue Date
10/01/2018

Project Number
VA #438-450
Building Number
Drawing Number
AE704
Checked
PDD
Drawn
MRP, MMM
Dwg. 48 of 102

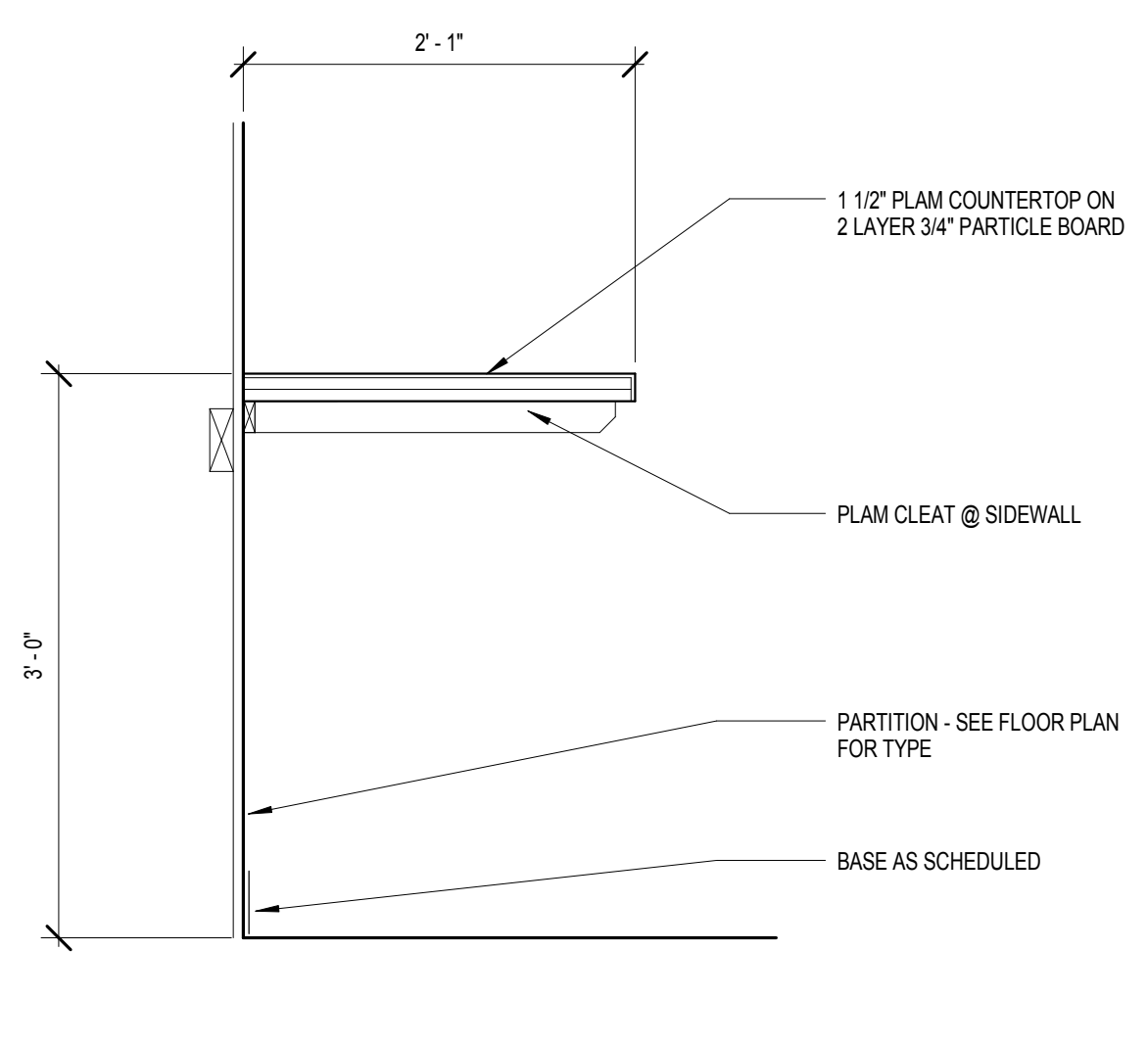
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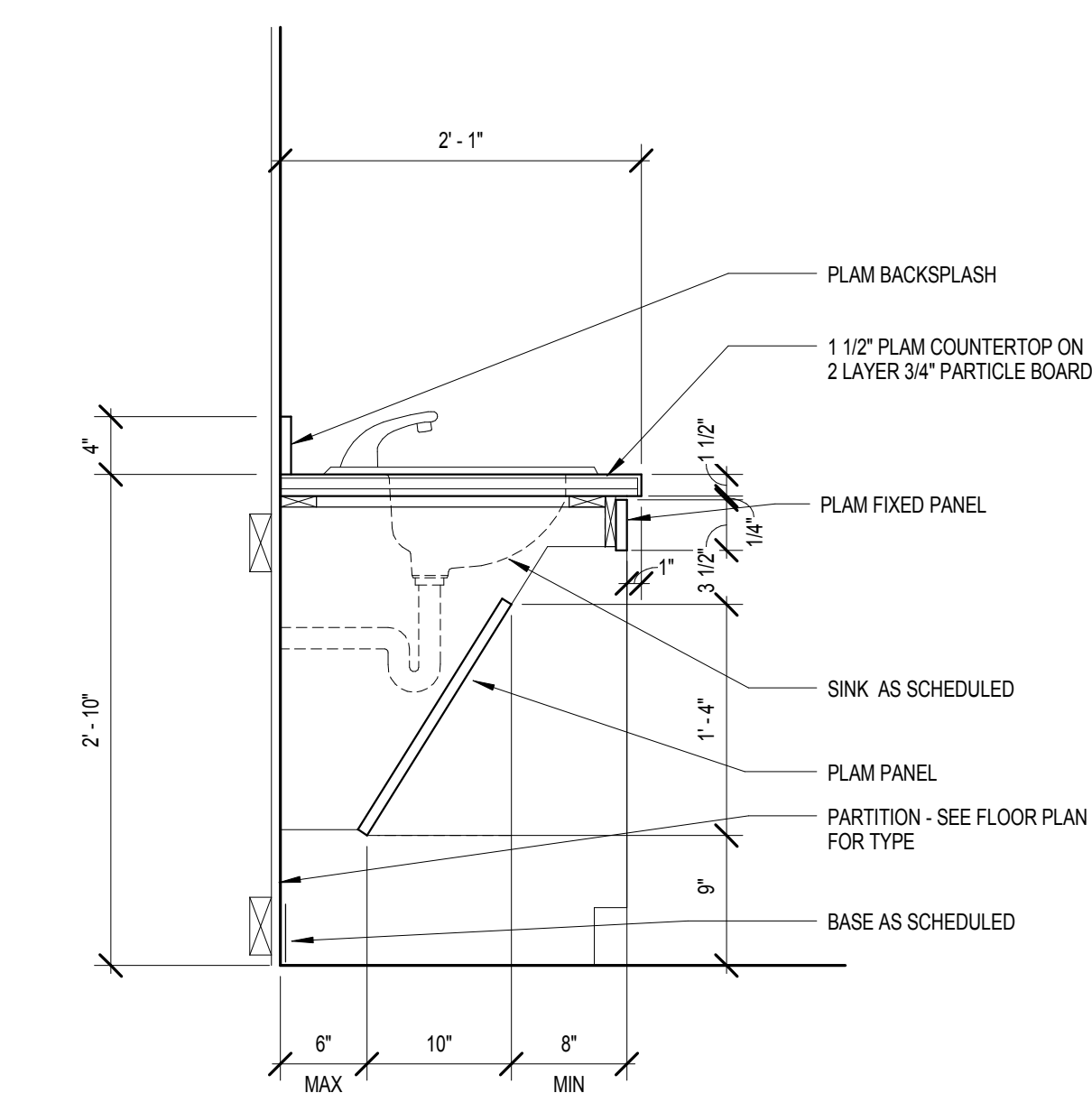
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1" = 1'-0"



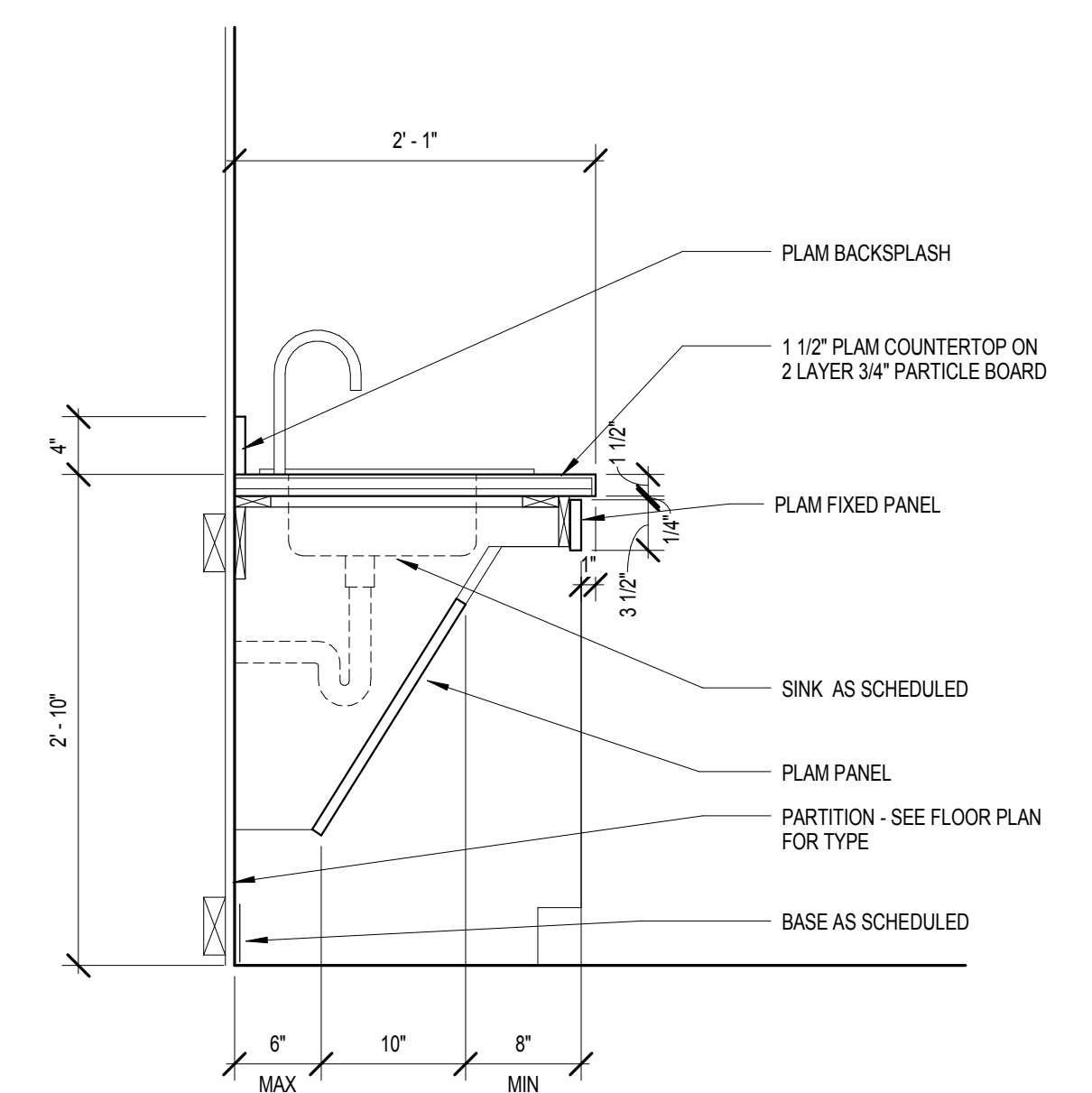
2 SECTION AT BASE CABINET
1" = 1'-0"



3 SECTION AT COUNTERTOP
1" = 1'-0"

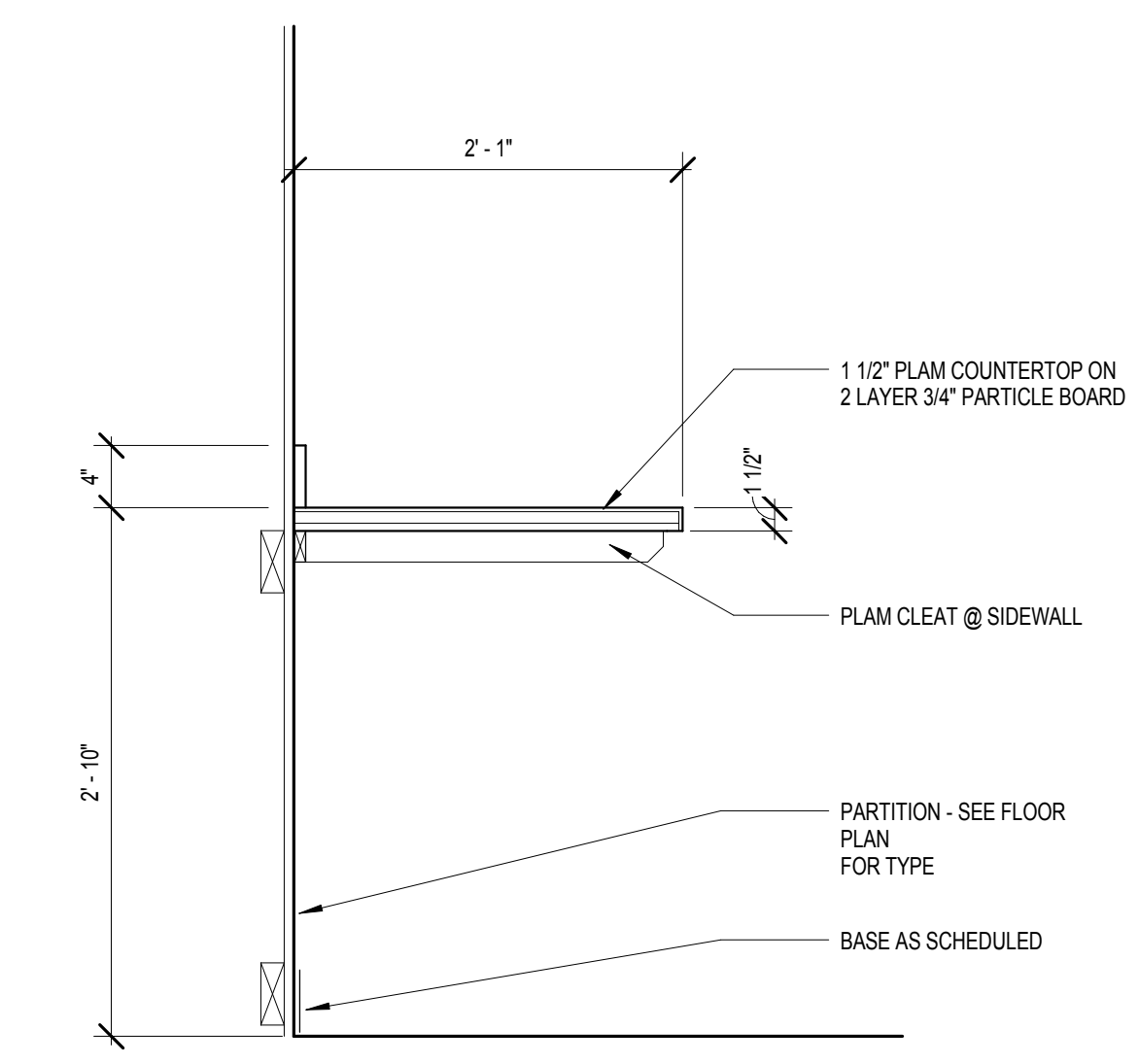


4 SECTION AT COUNTERTOP
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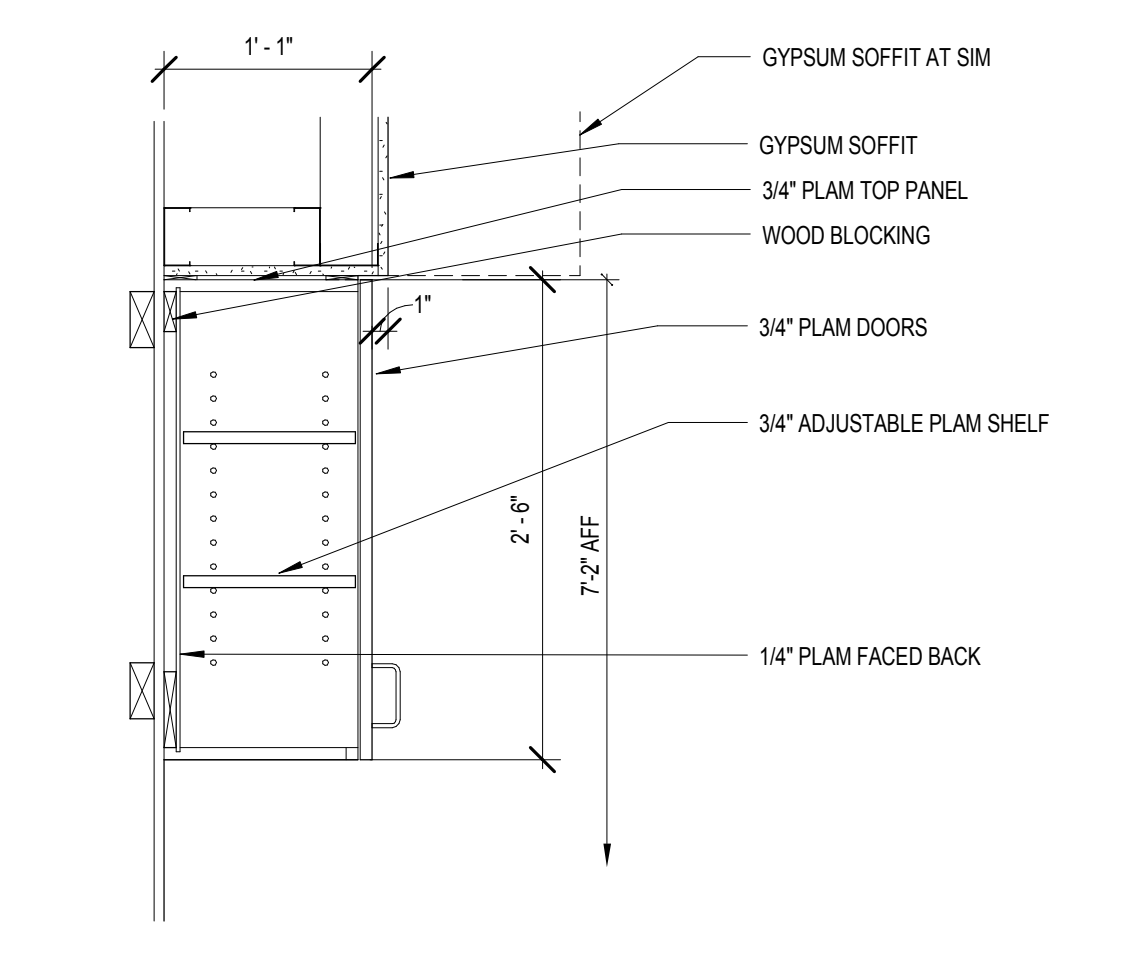


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1" = 1'-0"

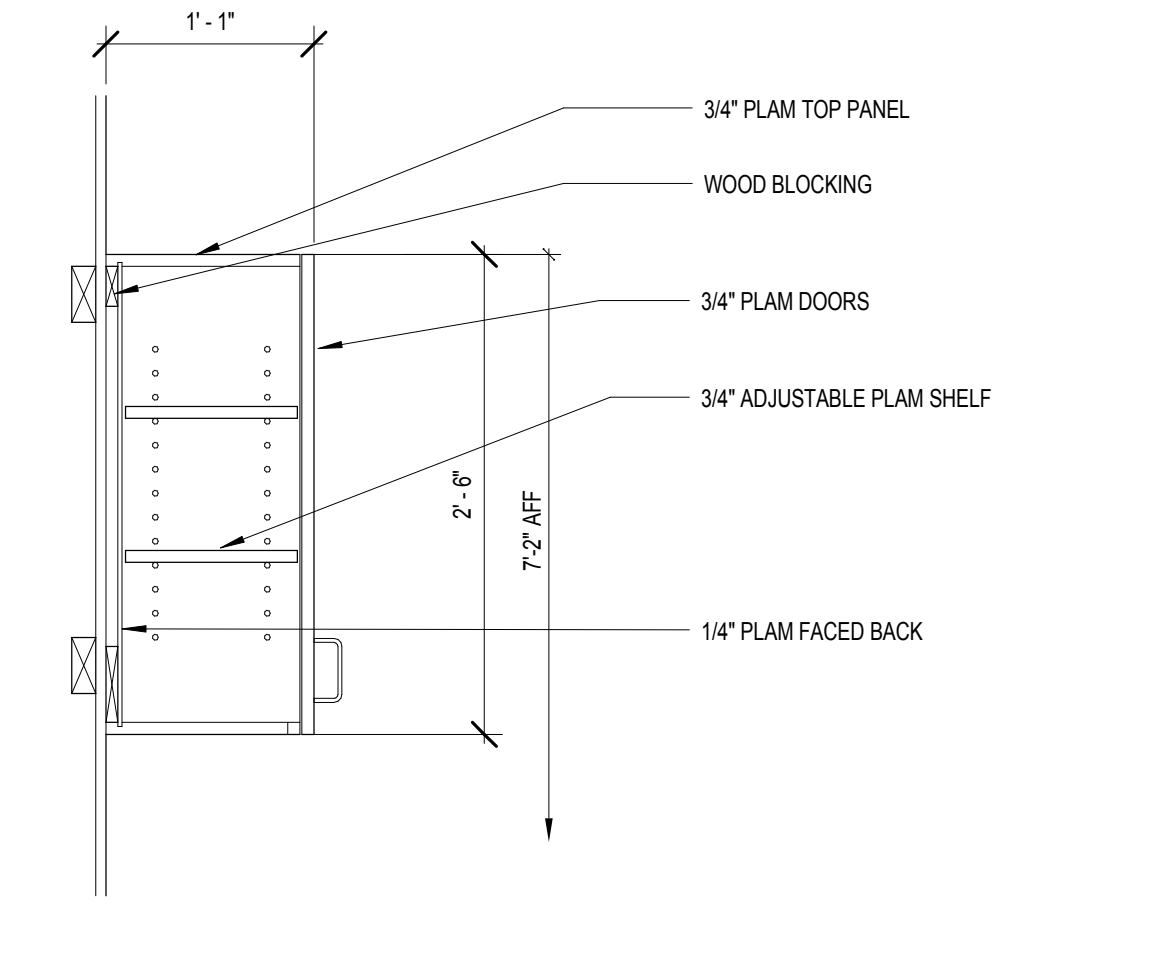
C
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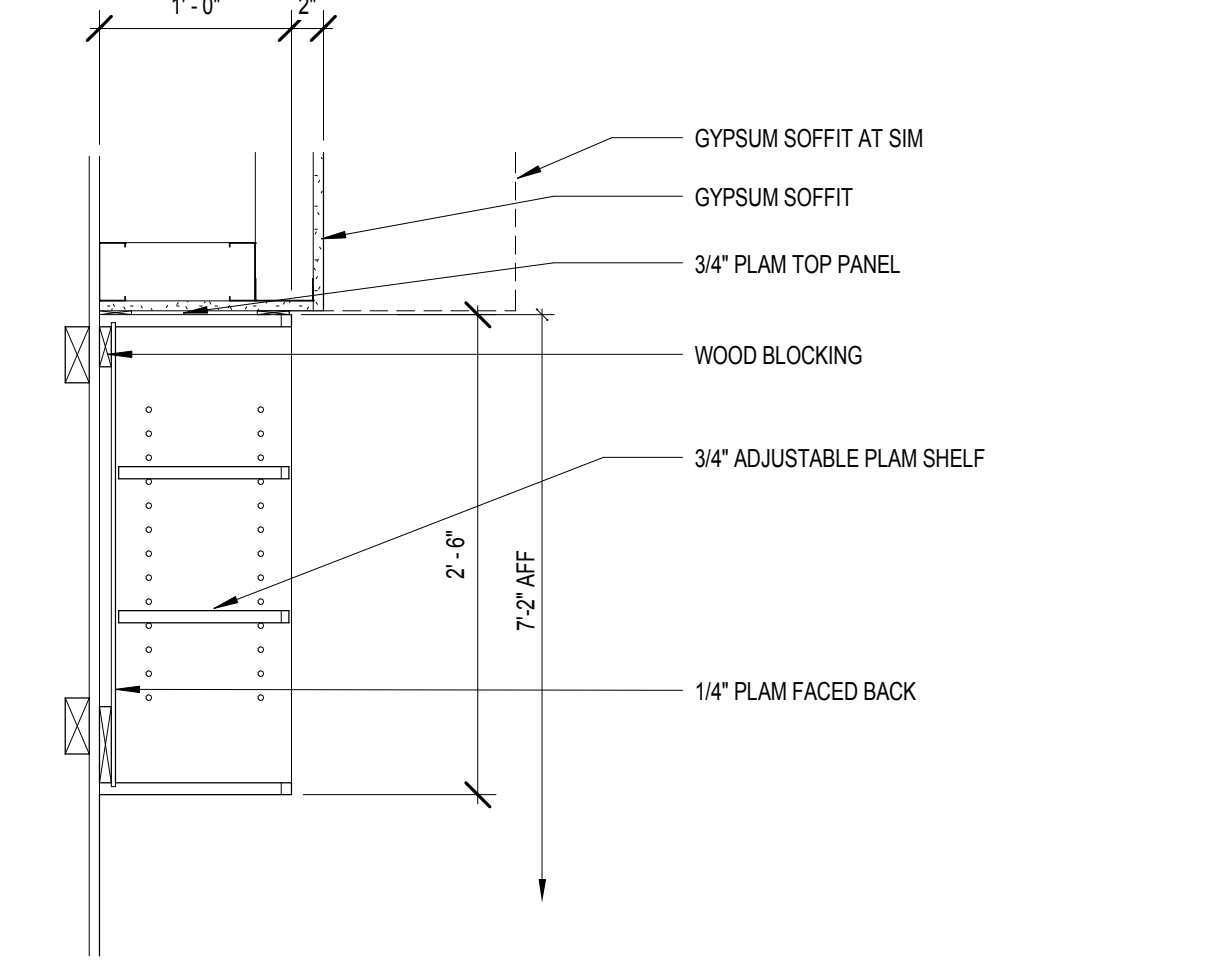
6 SECTION AT COUNTERTOP
1" = 1'-0"



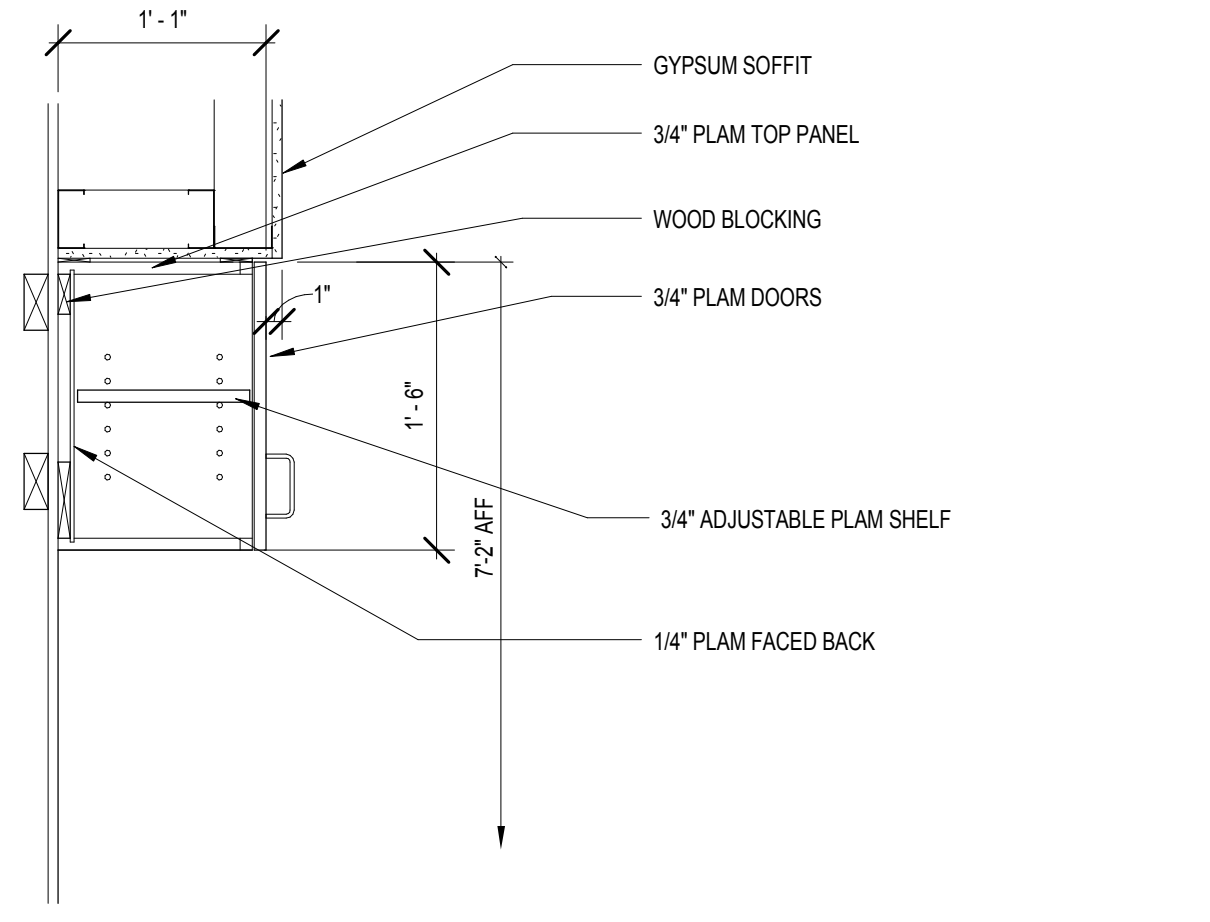
7 SECTION @ WALL CABINET
1" = 1'-0"



8 SECTION @ WALL CABINET
1" = 1'-0"

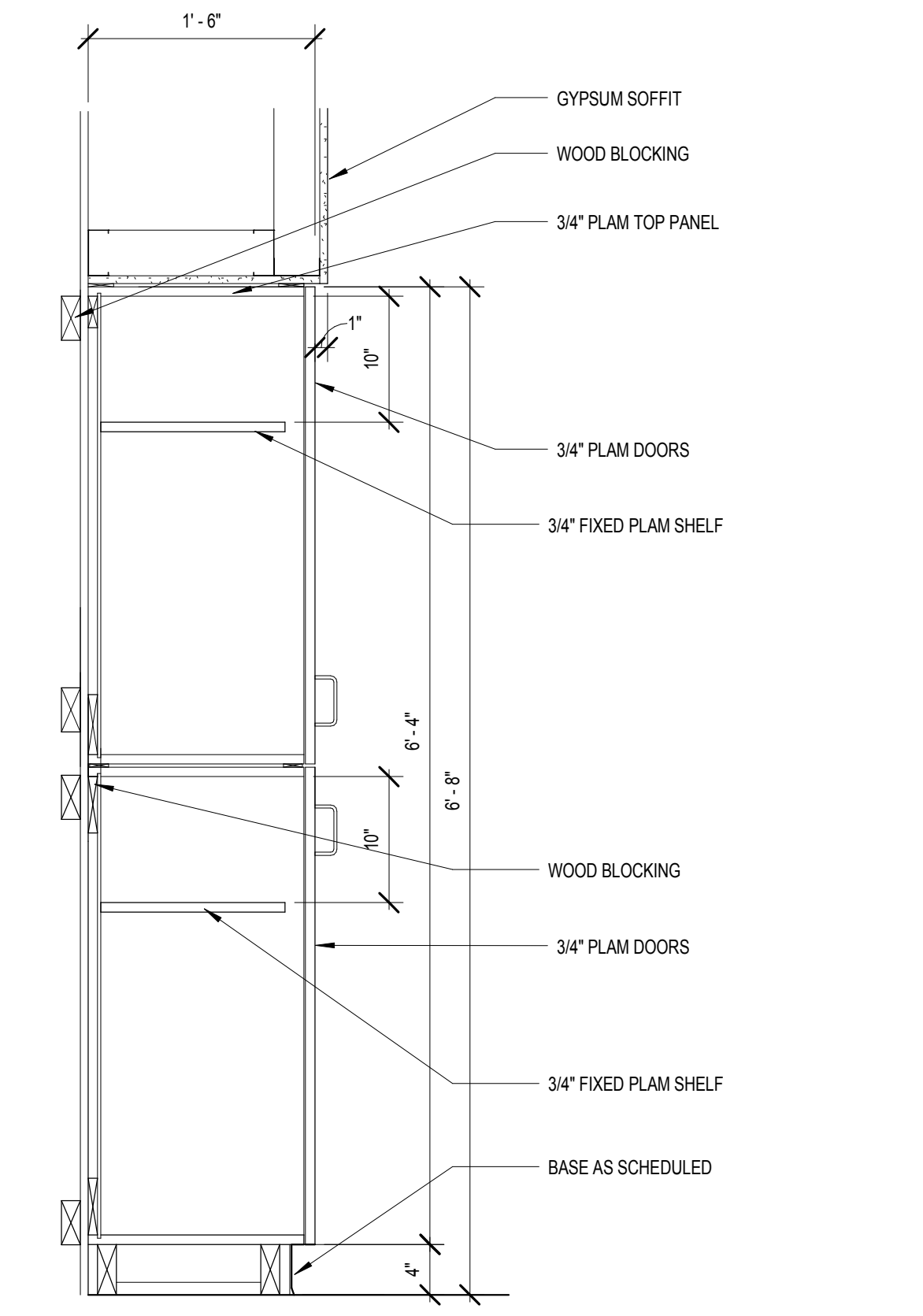


9 SECTION @ WALL CABINET
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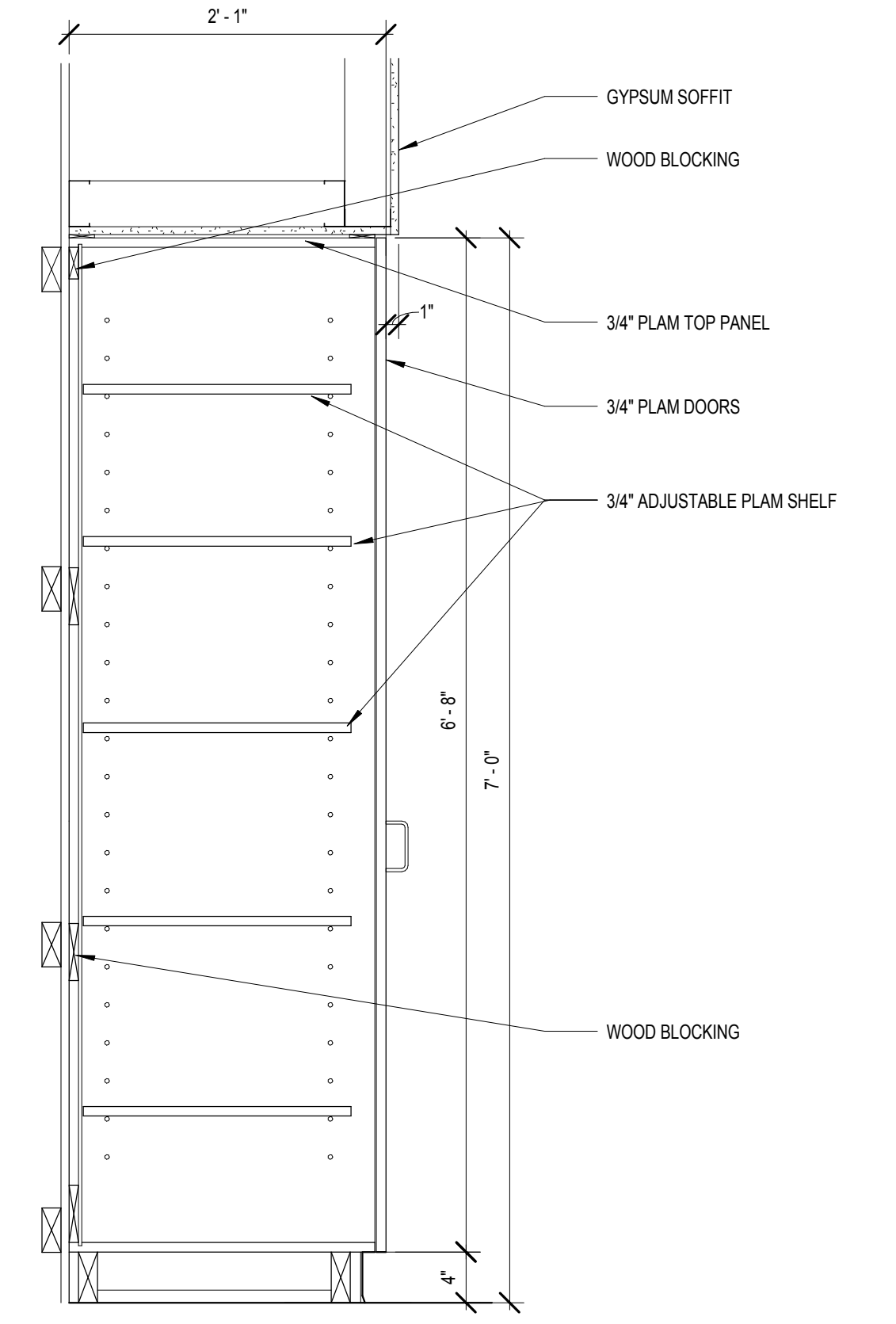


10 SECTION @ WALL CABINET
1" = 1'-0"

E
F



11 SECTION AT LOCKERS
1" = 1'-0"



12 SECTION AT TALL CABINET
1" = 1'-0"

0 1' 2' 3'
SCALE: 1" = 1'-0"
NOT FOR CONSTRUCTION

10/05/2018 12:17:42 PM C:\Users\pcho\Documents\14541 OMHB RVJT16_1\young.dwg

Revisions	Date

CONSULTANT

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Fax 612-338-4840

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AE PROJECT NO.: 14541

Stamp

REGISTERED PROFESSIONAL ARCHITECT
REG. NO. 8733
Paul D. Dahlberg
10-1-2018

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SECTION DETAILS - MILLWORK

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
VA #438-450

Building Number

Location
2501 W 22nd St, Sioux Falls, SD, 57105

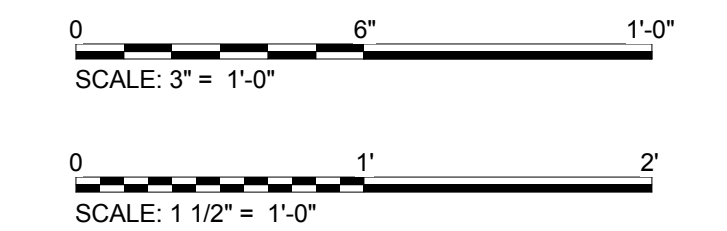
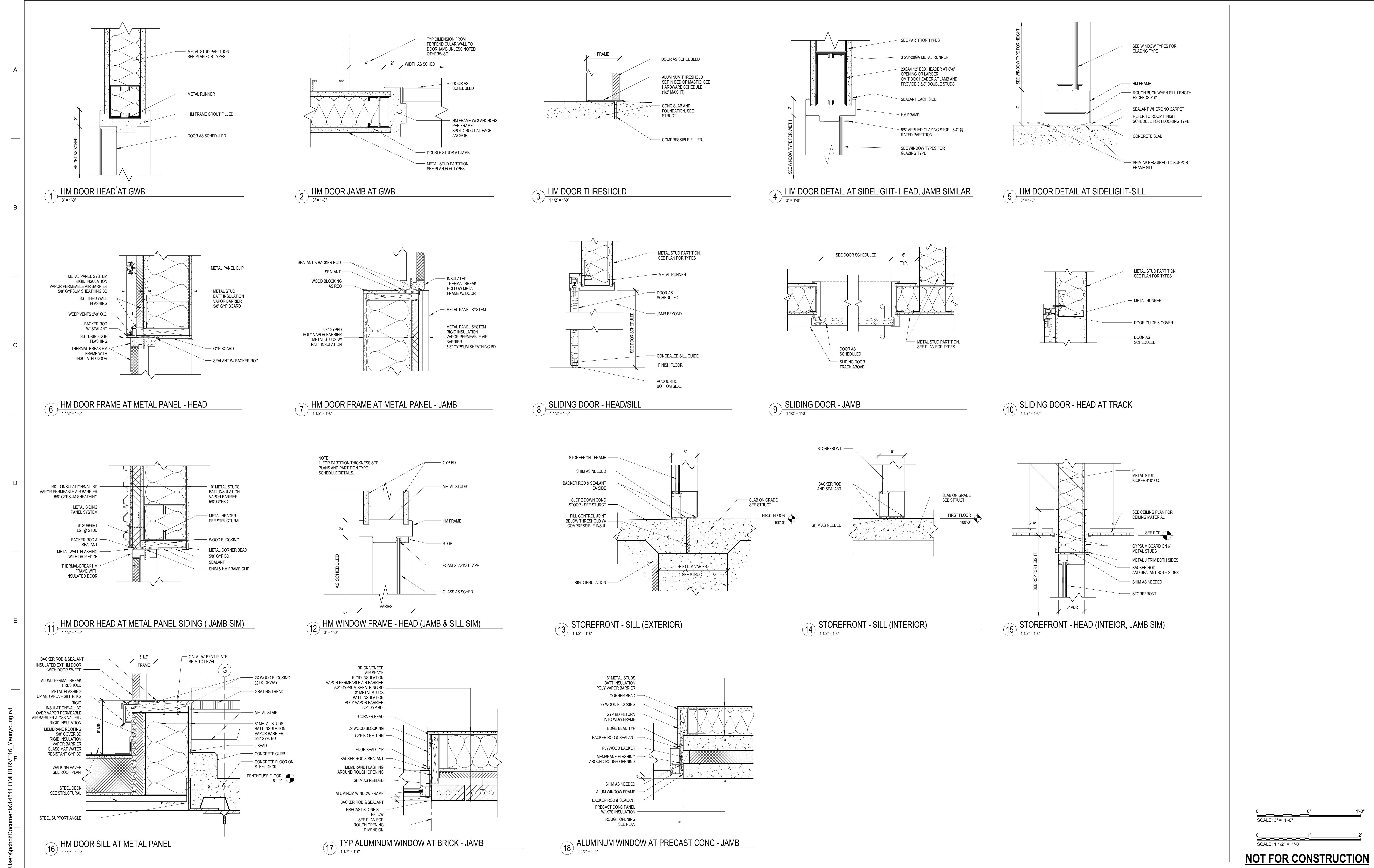
Issue Date
10/01/2018

Checked
PDD

Drawn
PYC

Drawing Number
AE705

Dwg. 49 of 102



NOT FOR CONSTRUCTION

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Revisions	Date

CONSULTANT

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 Tel: 612-338-8741
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 Paul D. Dahlberg
 10-1-2018

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

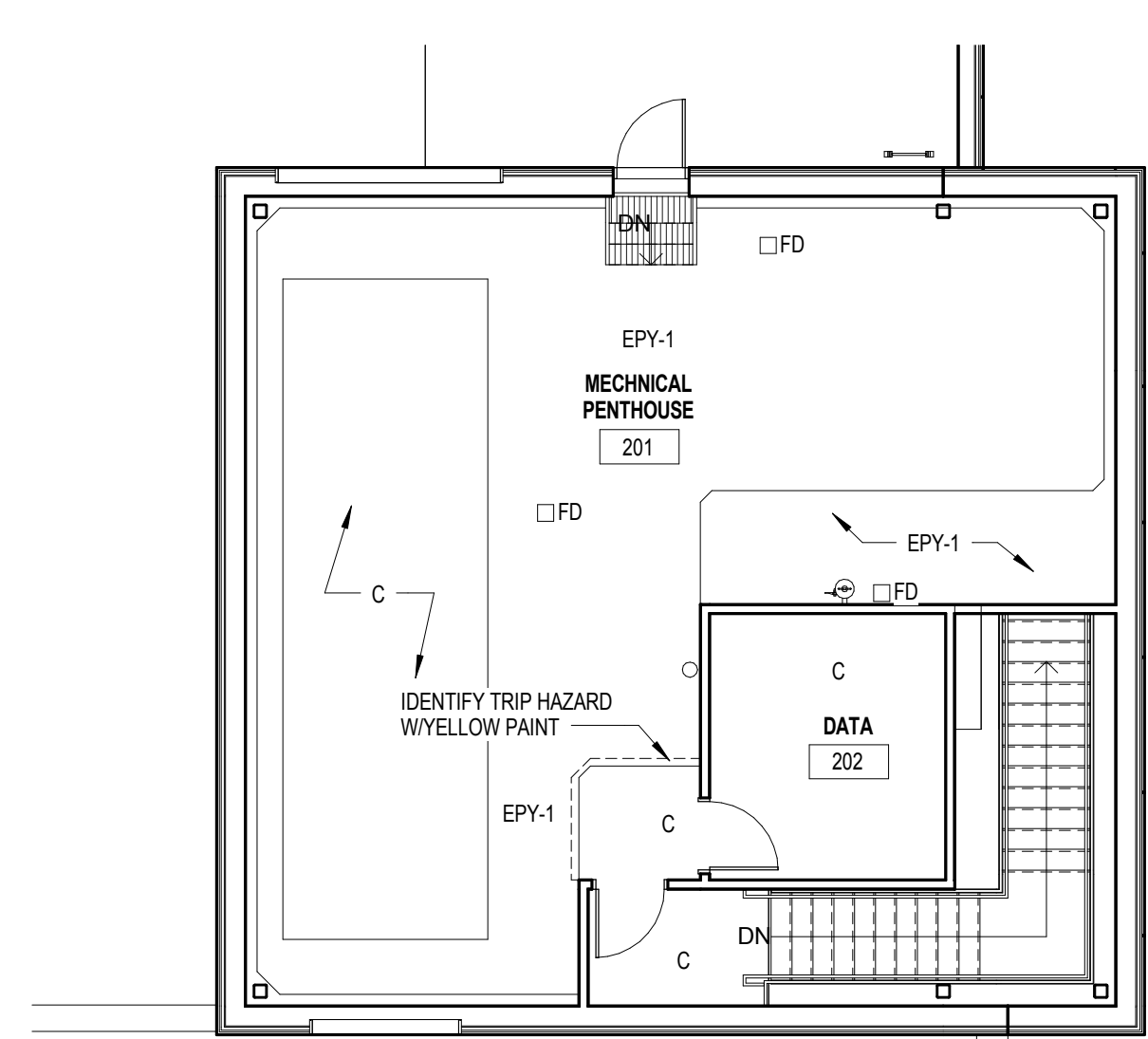
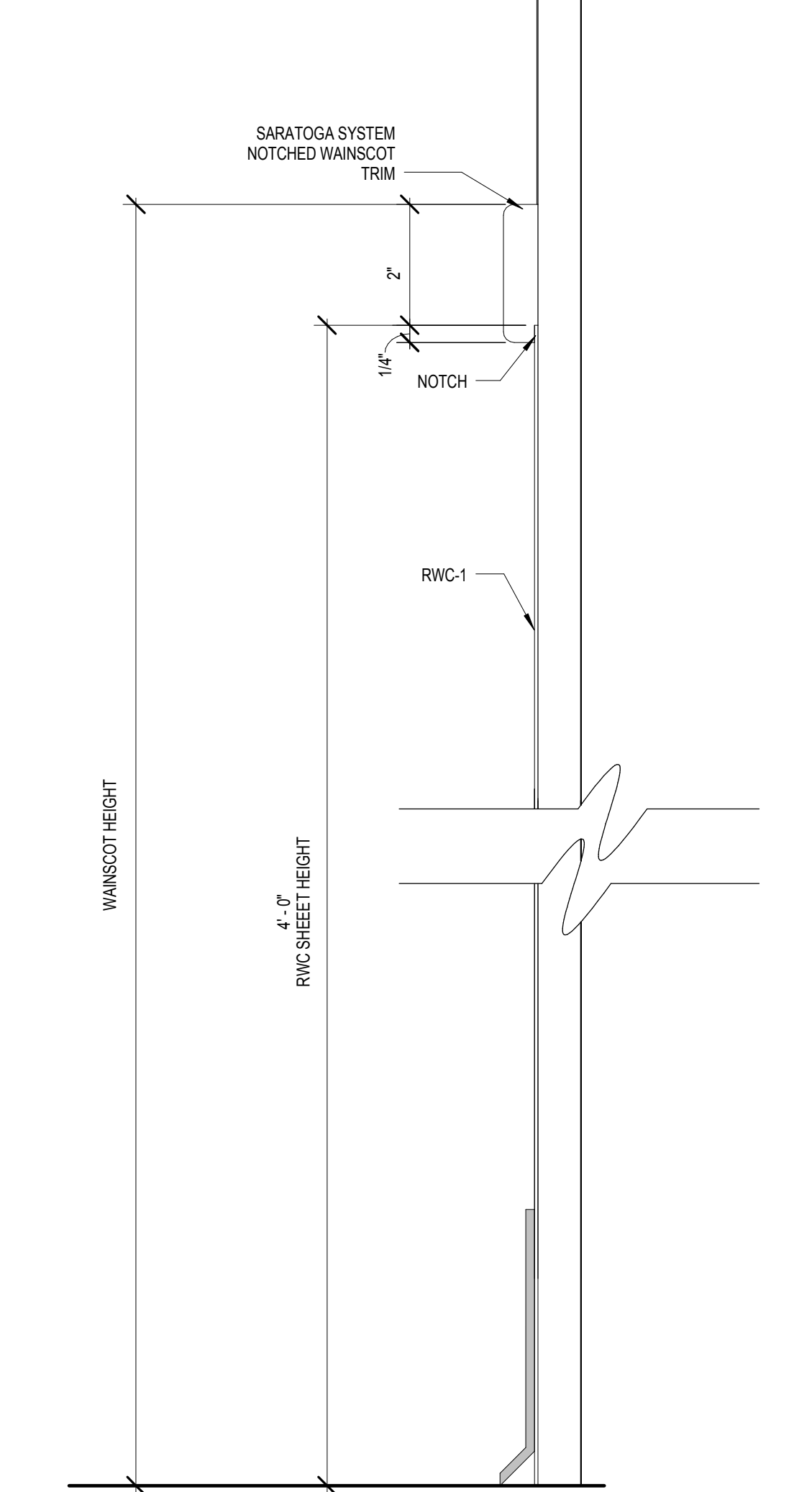
Drawing Title	DOOR AND WINDOW DETAILS
Phase	100% BID DOCUMENTS
Approved: Project Director	
FULLY SPRINKLERED	

Project Title	Outpatient Mental Health Building		Project Number	VA #438-450
Location	2501 W 22nd St, Sioux Falls, SD, 57105		Building Number	
Issue Date	10/01/2018	Checked	PDD	Drawn
				Author
				Dwg. 50 of 102

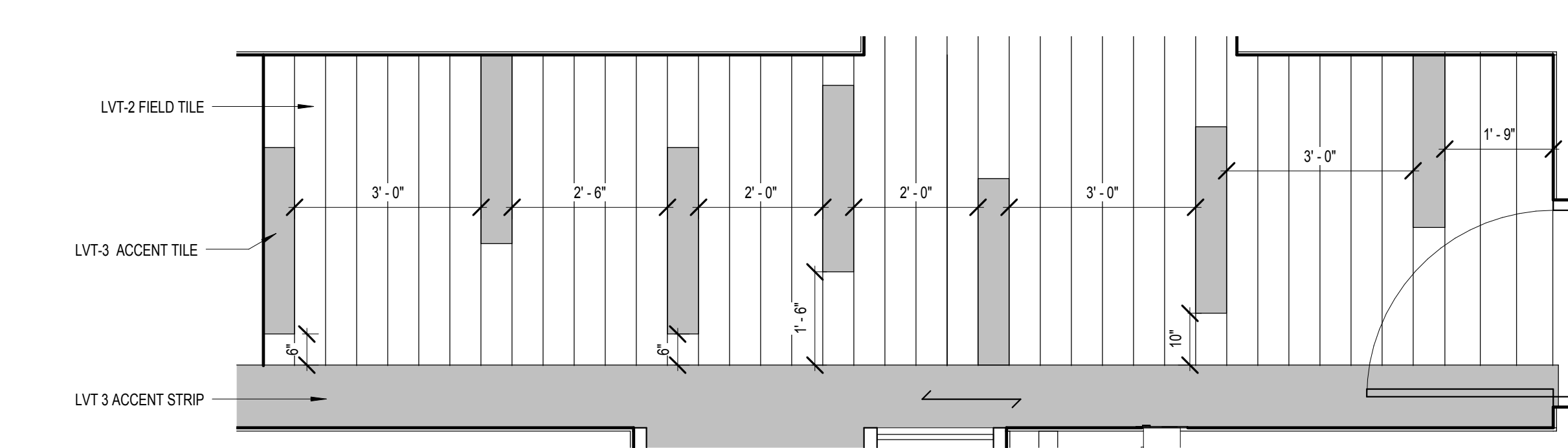


1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"

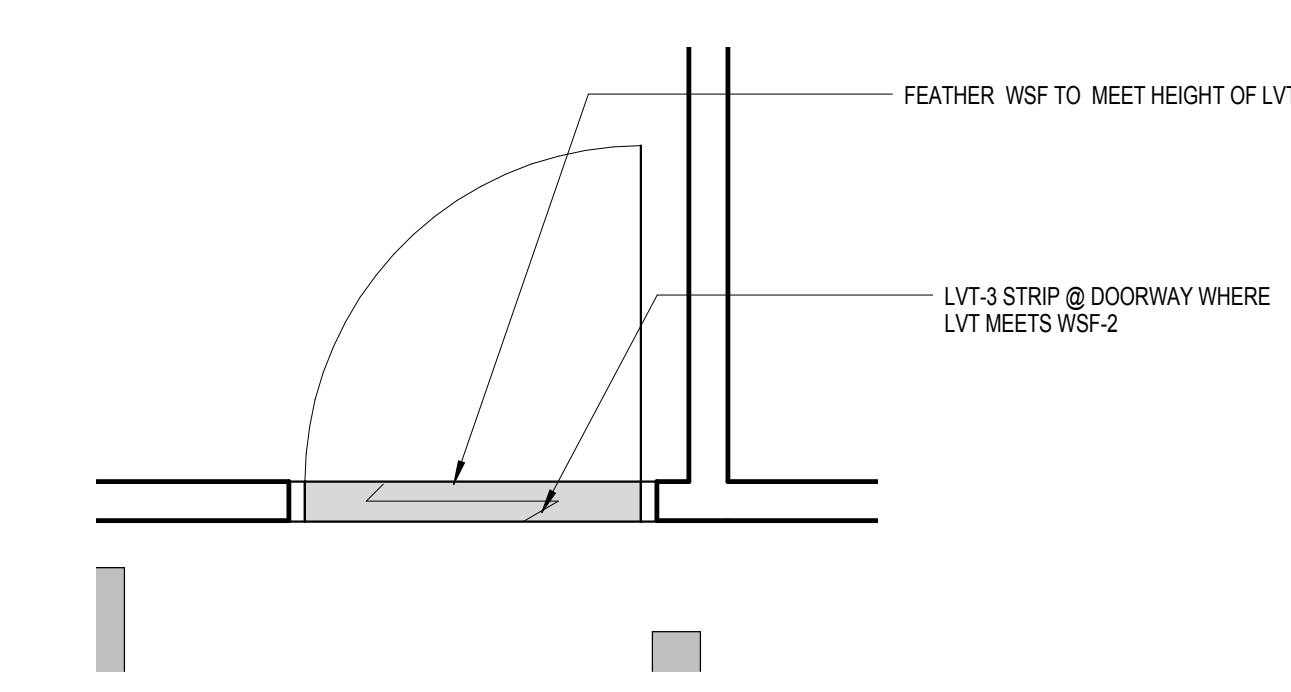
2 RWC @ CORRIDOR DETAIL
6" = 1'-0"



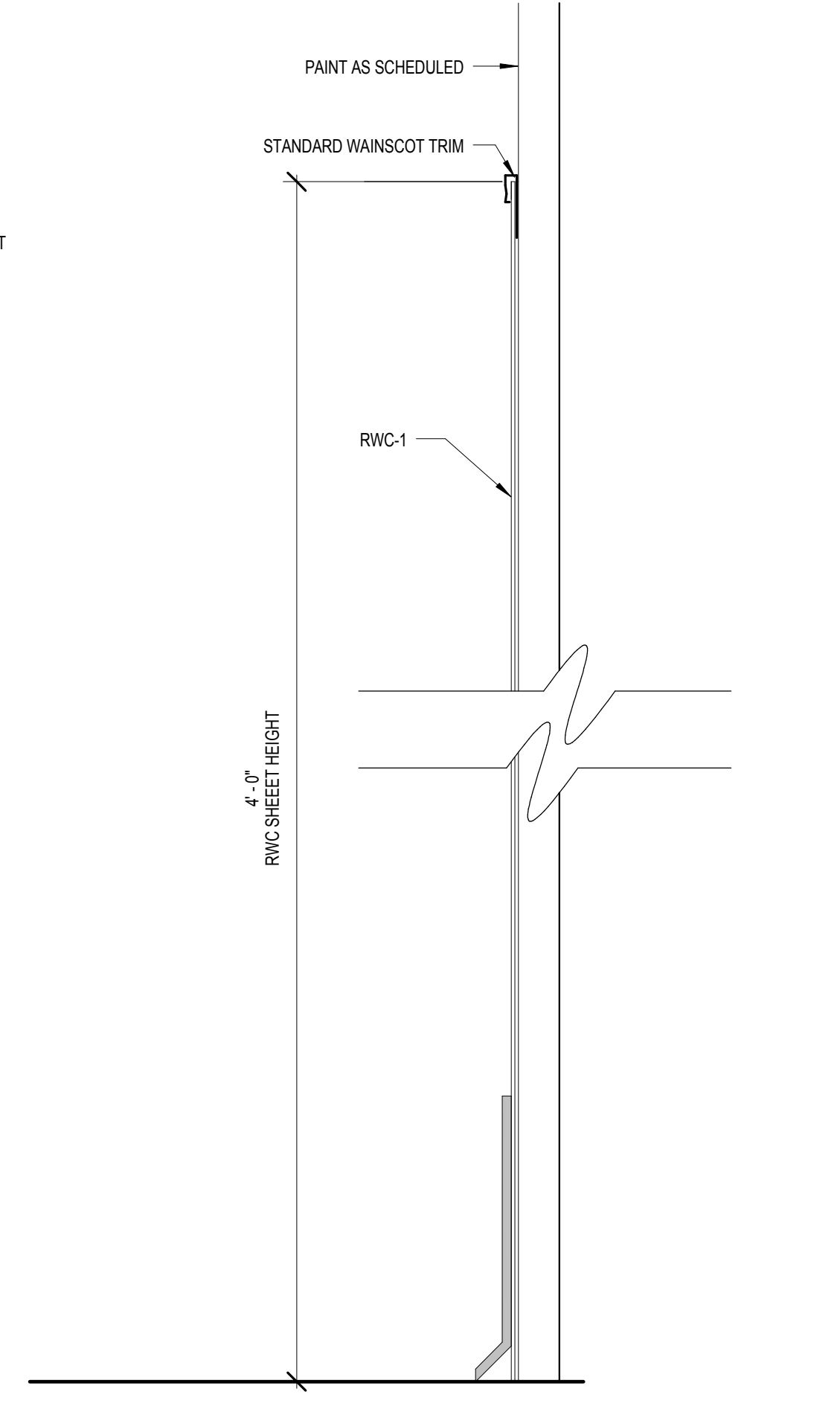
3 PENTHOUSE FINISH PLAN
1/8" = 1'-0"



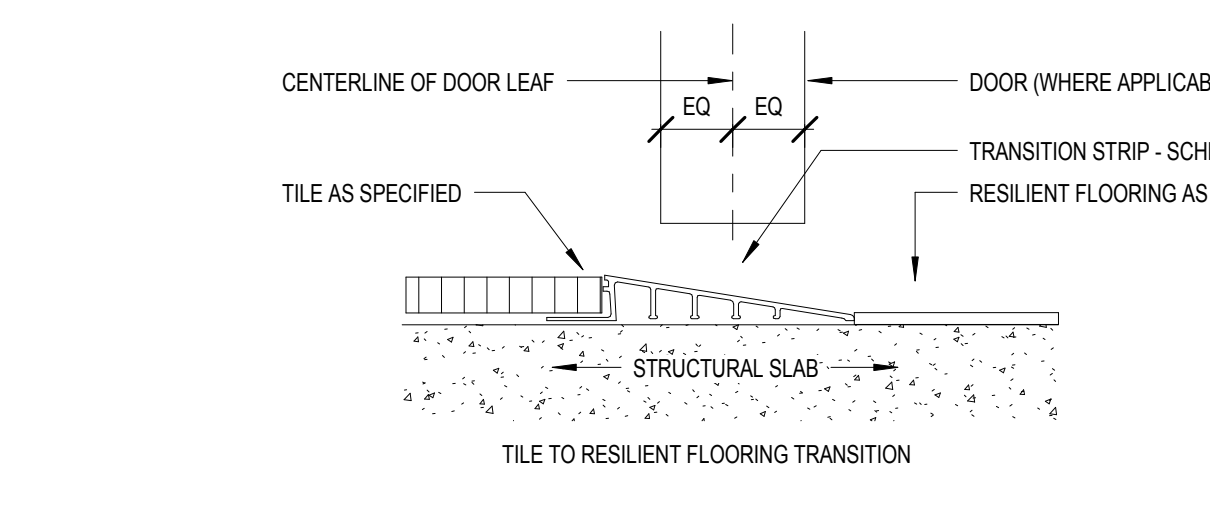
4 VINYL PLANK FLOOR PATTERN REPEAT
1/2" = 1'-0"



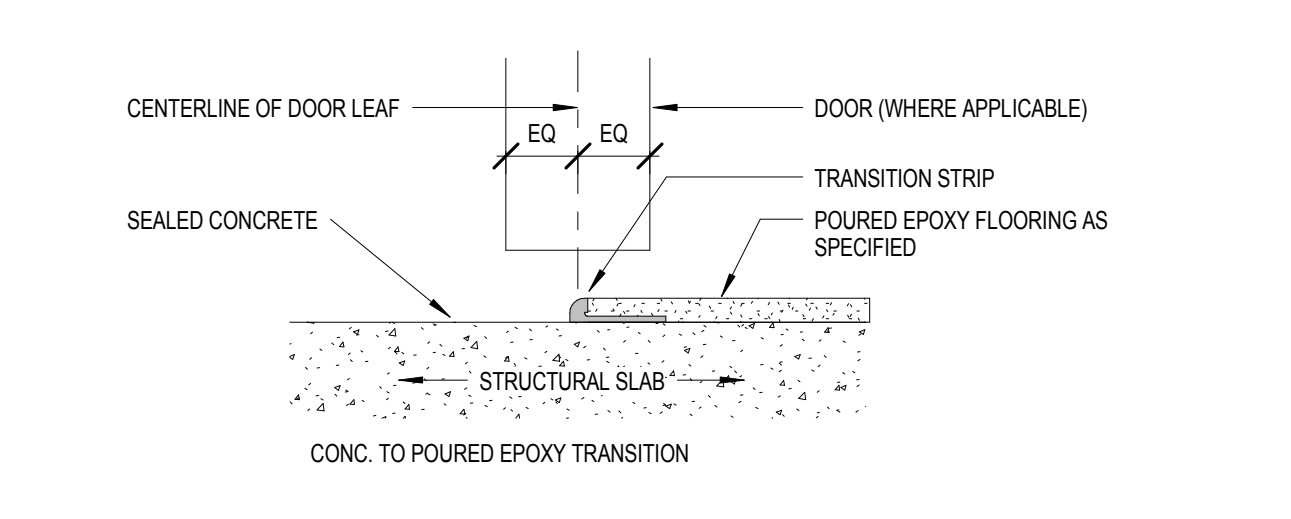
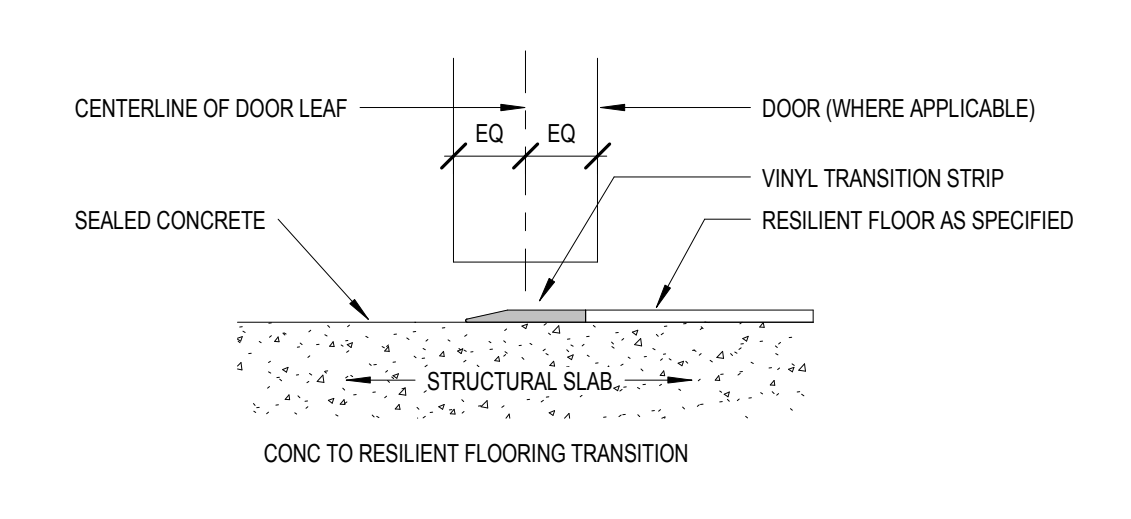
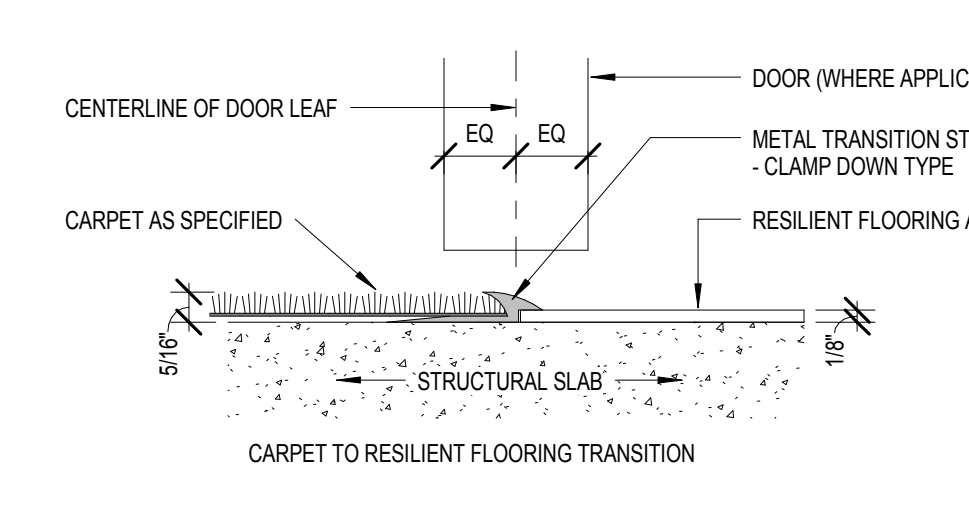
5 LVT TO WSF TRANSITION @ DOORWAY (TYP)
1/2" = 1'-0"



7 RWC @ OFFICES DETAIL
6" = 1'-0"



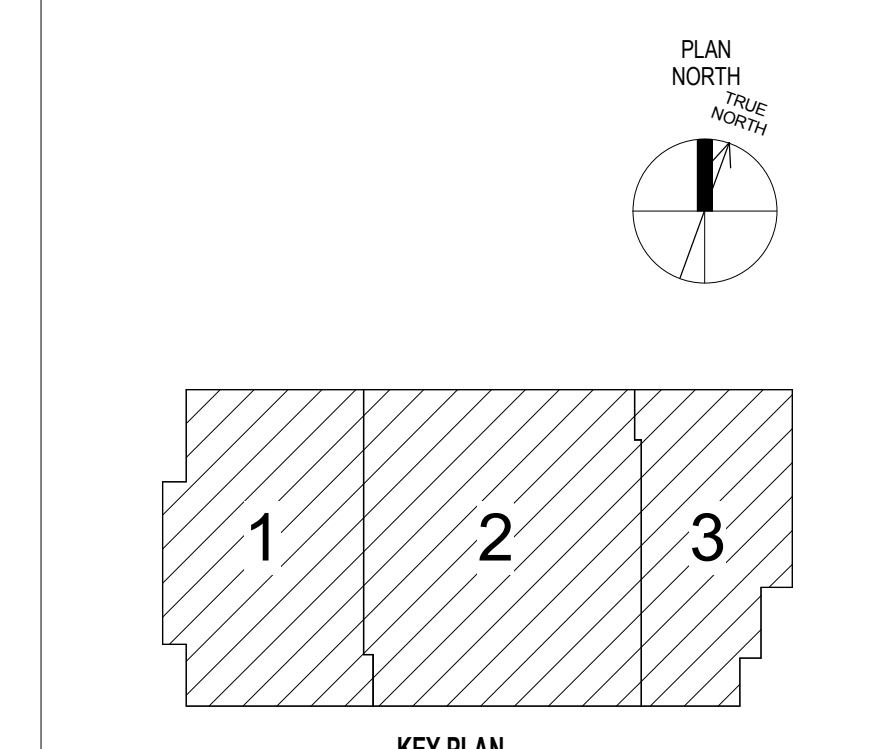
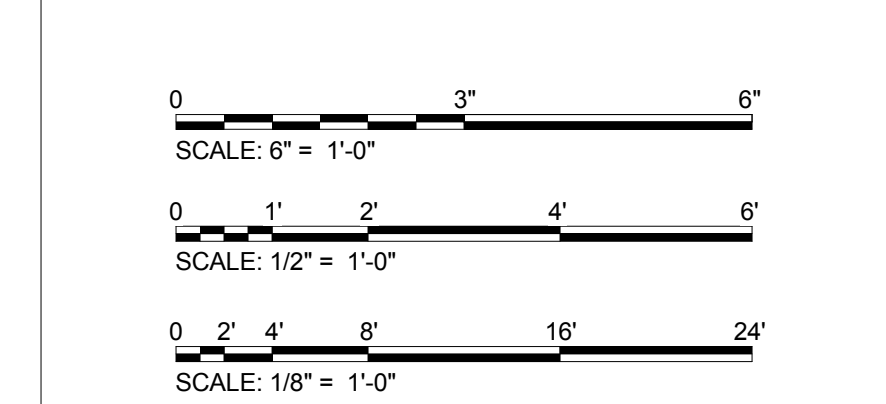
6 FLOOR FINISH TRANSITIONS
6" = 1'-0"



- ### FINISH PLAN GENERAL NOTES
- REFER TO MATERIAL MASTER LIST FOR SPECIFIC PRODUCT SELECTION.
 - FIELD FINISH VENTS, GRILLES, ACCESS PANELS, PLUG STRIP, BASEBOARD RADIATION ENCLOSURES, ELECTRICAL PANEL BOARDS (IN FINISHED SPACES) TO MATCH SURFACE IN WHICH THEY OCCUR UNLESS OTHERWISE INDICATED. EXCEPTIONS: ITEMS WITH FACTORY WHITE FINISH OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD. CEILING SHALL NOT BE PAINTED. STAINLESS STEEL ITEMS SHALL NOT BE PAINTED.
 - FIELD VERIFY ALL NEW CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION.
 - LOCATE CHANGES IN FLOOR FINISH MATERIAL UNDER CENTERLINE OF CLOSED DOOR UNLESS OTHERWISE INDICATED.
 - PROVIDE CLEAR SILICONE SEALANT AT PERIMETER OF PLUMBING FLOOR DRAIN, CLEAN OUTS, ETC. IN RESILIENT AND PORCELAIN TILE FLOORS.
 - PROVIDE SEALANT TO HORIZONTAL AND VERTICAL INTERIOR CERAMIC TILE CORNERS. COLOR TO MATCH GROUT COLOR.
 - PROVIDE SEALANT AT JOINT BETWEEN COUNTERTOP, BACK OR SIDE SPLASH AND WALLS.
 - PROVIDE CLEAR SILICONE SEALANT AT BASE OF DOOR FRAME TO RESILIENT AND TILE FLOORING.
 - HOLLOW METAL DOOR FRAMES TO BE PAINTED P-1, IN SEMI GLOSS UNLESS OTHERWISE NOTED.
 - COLOR SELECTIONS ARE BASED ON USE OF PRODUCTS INDICATED IN THE MATERIAL MASTER LIST. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED, ARCHITECT MAY REVISE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION.
 - CEILING HEIGHTS AND MATERIAL FINISHES CALLED OUT IN ROOM FINISH SCHEDULE ARE FOR ENTIRE CEILING OR MAJORITY OF THAT ROOM UNLESS OTHERWISE INDICATED. SEE REFLECTED CEILING PLAN FOR CHANGES IN CEILING MATERIAL AND CEILING HEIGHT.
 - PAINT ALL FIRE EXTINGUISHER CABINETS TO MATCH COLOR OF ADJACENT WALLS.
 - CEILING HEIGHTS ARE MEASURED FROM FLOOR FINISH.
 - FOR FLOOR FINISH MATERIALS AND PATTERN SEE ALSO INTERIOR FINISH PLAN.
 - SEE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.

- ### ROOM FINISH LEGEND
- MATERIAL INSTALL DIRECTION
 - CORNER GUARD (CG)
 - WALL PROTECTION

- ### ROOM FINISH ABBREVIATIONS
- AT ACOUSTICAL CEILING TILE
 - C CONCRETE
 - CT CERAMIC TILE
 - EPY EPOXY FLOORING
 - FRP FIBERGLASS REINFORCED PLASTIC
 - GWB GYPSUM WALL BOARD
 - LVT LUXURY VINYL TILE
 - P PAINT
 - PLAM PLASTIC LAMINATE
 - PT PORCELAIN TILE
 - PRB PROFILE BASE
 - RB RESILIENT BASE
 - RF RUBBER FLOORING
 - RWC RIGID VINYL WALL PROTECTION
 - S SOLID SURFACE
 - SC SPECIAL COATING
 - WSF WELDED SEAM SHEET FLOORING



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CONSULTANT LEO A DALY 730 Second Avenue South, Suite 1100 Minneapolis, MN, 55402-2455 Tel 612-338-8741 Fax 612-338-4840	FARRIS ENGINEERING OMAHA LINCOLN COLORADO SPRINGS farris-usa.com FE#: 172074	ARCHITECT/ENGINEER OF RECORD ANDERSON ENGINEERING Anderson Engineering of Minnesota, LLC 13605 1st Avenue North Suite 100 Plymouth, MN 55441 763-412-4000 (t) 763-412-4090 (f) www.ae-mm.com AE PROJECT NO.: 14541	Stamp 	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title FIRST FLOOR FINISH PLANS & DETAILS	Phase 100% BID DOCUMENTS	Project Title Outpatient Mental Health Building	Project Number VA #438-450						
					Approved: Project Director	FULLY SPRINKLERED	Location 2501 W 22nd St, Sioux Falls, SD, 57105	Building Number IN101						
Revisions <table border="1"> <tr><th>Revisions</th><th>Date</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Revisions	Date							Date	Issue Date 10/01/2018	Checked PDD	Drawn MRP	Drawing Number IN101	Dwg. 51 of 102
Revisions	Date													

ROOM FINISH SCHEDULE - FIRST FLOOR. Table with columns: ROOM NUMBER, ROOM NAME, FLOOR, BASE, NORTH WALL, EAST WALL, SOUTH WALL, WEST WALL, CEILING, COMMENT. Rows include: 100 ENTRY VESTIBULE, 101 LOBBY, 102 PUBLIC T., 103 PUBLIC T., 104 RECEPTION, 105 HALLWAY, 106 CALMING RM, 107 STORAGE, 108 WORK AREA, 109 COMM. CENTER OFFICE, 110 PROG. ASS., 111 SECRETARY, 112 ADMIN OFFICER, 113 VESTIBULE, 114 PSYCHIATRY PROVIDER, 115 PSYCHIATRY PROVIDER, 116 PSYCHIATRY PROVIDER, 117 PSYCHIATRY PROVIDER, 118 HALLWAY, 119 NURSE, 120 NURSE, 121 NURSE, 122 NURSE, 123 NURSE, 124 ELEC. CLOSET, 125 HALLWAY, 126 PSYCHOLOGY PROVIDER, 127 PSYCHOLOGY PROVIDER, 128 PSYCHOLOGY PROVIDER, 129 PSYCHOLOGY PROVIDER, 130 PSYCHOLOGY PROVIDER, 131 PSYCHOLOGY PROVIDER, 132 PSYCHOLOGY PROVIDER, 133 PSYCHOLOGY PROVIDER, 134 PSYCHOLOGY PROVIDER, 135 PSYCHOLOGY PROVIDER, 136 VESTIBULE, 137 CONF/ CLASSROOM, 138 THERAPIST, 139 THERAPIST, 140 PSYCHOLOGY INTERN SHARED, 141 OUTPATIENT SUPERVISOR, 142 GROUP THERAPY, 143 GROUP THERAPY, 144 PUBLIC T., 145 PUBLIC T., 147 MED ROOM, 148 HALLWAY, 149 ALCOVE, 150 H.K., 151 EXAM T., 152 STAFF T., 153 PSYCHIATRY PROVIDER, 154 PSYCHIATRY PROVIDER, 155 PSYCHIATRY PROVIDER, 156 PSYCHIATRY PROVIDER, 157 PSYCHIATRY PROVIDER, 158 PSYCHIATRY PROVIDER, 159 PSYCHIATRY PROVIDER, 160 PSYCHIATRY PROVIDER, 161 RESIDENT, 162 RESIDENT, 163 OFFICE, 164 TREATMENT, 165 THERAPIST, 166 PRINT / COPY / STORAGE, 167 RESIDENT, 168 OFFICE, 169 TEST, 170 THERAPIST, 171 SUIC PREV SHARED, 172 SUIC PREV SHARED, 173 HALLWAY, 174 PATHWAY / PRACTICUM, 175 DIRECTOR, 176 VESTIBULE, 177 PEER SUPPORT, 178 SERVICE LINE DIRECTOR, 179 HALLWAY, 180 TEST, 181 TEST / OBSERV, 182 VOC SHARED, 183 LOC RECOVERY, 184 HALLWAY, 185 STAFF T., 187 HALLWAY, 188 STAFF T., 189 LACTATION, 190 H.K., 191 LOUNGE/STAFF, 192 ELEC, 193 RISER ROOM, 194 MECH PENTHOUSE STAIR.

ROOM FINISH SCHEDULE - PENTHOUSE. Table with columns: ROOM NUMBER, ROOM NAME, FLOOR, BASE, NORTH WALL, EAST WALL, SOUTH WALL, WEST WALL, CEILING, COMMENT. Rows include: 201 MECHANICAL PENTHOUSE, 202 DATA.

- MATERIAL MASTER LIST
PAINT
P1 MANUFACTURER: DIAMOND VOGEL
P2 MANUFACTURER: DIAMOND VOGEL
P3 MANUFACTURER: DIAMOND VOGEL
P4 MANUFACTURER: DIAMOND VOGEL
P5 MANUFACTURER: DIAMOND VOGEL
P6 (NOT USED) MANUFACTURER: DIAMOND VOGEL
P7 MANUFACTURER: DIAMOND VOGEL
P8 MANUFACTURER: DIAMOND VOGEL
P9 MANUFACTURER: DIAMOND VOGEL
P10 MANUFACTURER: SHERWIN WILLIAMS
FLOORING
CPT-1 MANUFACTURER: PHILADELPHIA COMMERCIAL
LVT-1 MANUFACTURER: TANOUS CENTIVA
LVT-2 MANUFACTURER: PARTERRE
LVT-3 MANUFACTURER: PARTERRE
LVT-4 MANUFACTURER: SHANNON SPECIALTY FLOORING
WSF-1 MANUFACTURER: NORA SYSTEMS INC.
WSF-2 MANUFACTURER: SHANNON SPECIALTY FLOORING
EPY-1 MANUFACTURER: DUR-A-FLEX
TILE
PT-1 MANUFACTURER: CROSSVILLE
PT-2 MANUFACTURER: CROSSVILLE
PT-3 MANUFACTURER: CROSSVILLE
PT-4 MANUFACTURER: CROSSVILLE
PT-5 MANUFACTURER: CROSSVILLE
CT-1 MANUFACTURER: BACK BAY
FLAM-1 MANUFACTURER: PANGLAM
FLAM-2 MANUFACTURER: FORMICA
FLAM-3 MANUFACTURER: WILSCHNART
FLAM-4 MANUFACTURER: FORMICA
ELASTIC RESIN PANELS
PNL-1 MANUFACTURER: FORMICA
PNL-2 MANUFACTURER: FORMICA
WALL PROTECTION
RWC-1 MANUFACTURER: CS ACROVYN
FRP-1 MANUFACTURER: MARLITE
RUBBER FLOORING
AT-1 MANUFACTURER: ARMSTRONG
AT-2 MANUFACTURER: ARMSTRONG
RESILIENT BASE
RB-1 MANUFACTURER: JOHNSONITE
CORNER GUARDS
CG MANUFACTURER: CS ACROVYN
TILE TO VINYL TRANSITION STRIP
MANUFACTURER: SCHLUTER SYSTEMS
INTERIOR DOORS
MANUFACTURER: MASONITE
ROLLER SHADES
MANUFACTURER: HUNTER DOUGLAS

ROOM FINISH LEGEND
MATERIAL INSTALL DIRECTION
CORNER GUARD (CG)
WALL PROTECTION
ROOM FINISH ABBREVIATIONS
AT ACOUSTICAL CEILING TILE
C CONCRETE
CT CERAMIC TILE
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GWB GYPSUM WALL BOARD
LVT LUXURY VINYL TILE
P PAINT
PLAM PLASTIC LAMINATE
PT PORCELAIN TILE
PRB PROFILED BASE
RB RESILIENT BASE
RF RUBBER FLOORING
RWC RIGID VINYL WALL PROTECTION
S SOLID SURFACE
SC SPECIAL COATING
WSF WELDED SEAM SHEET FLOORING

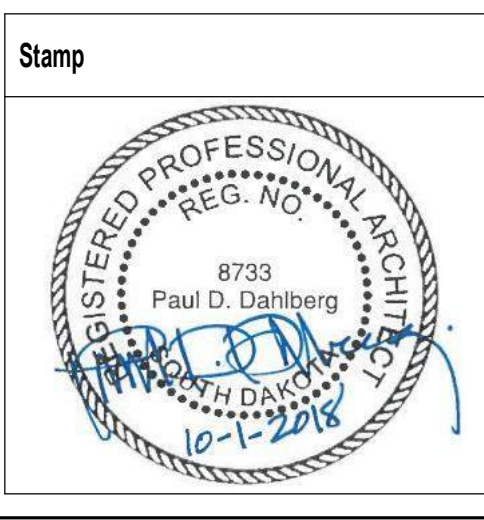
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Revisions table with columns: Revisions, Date

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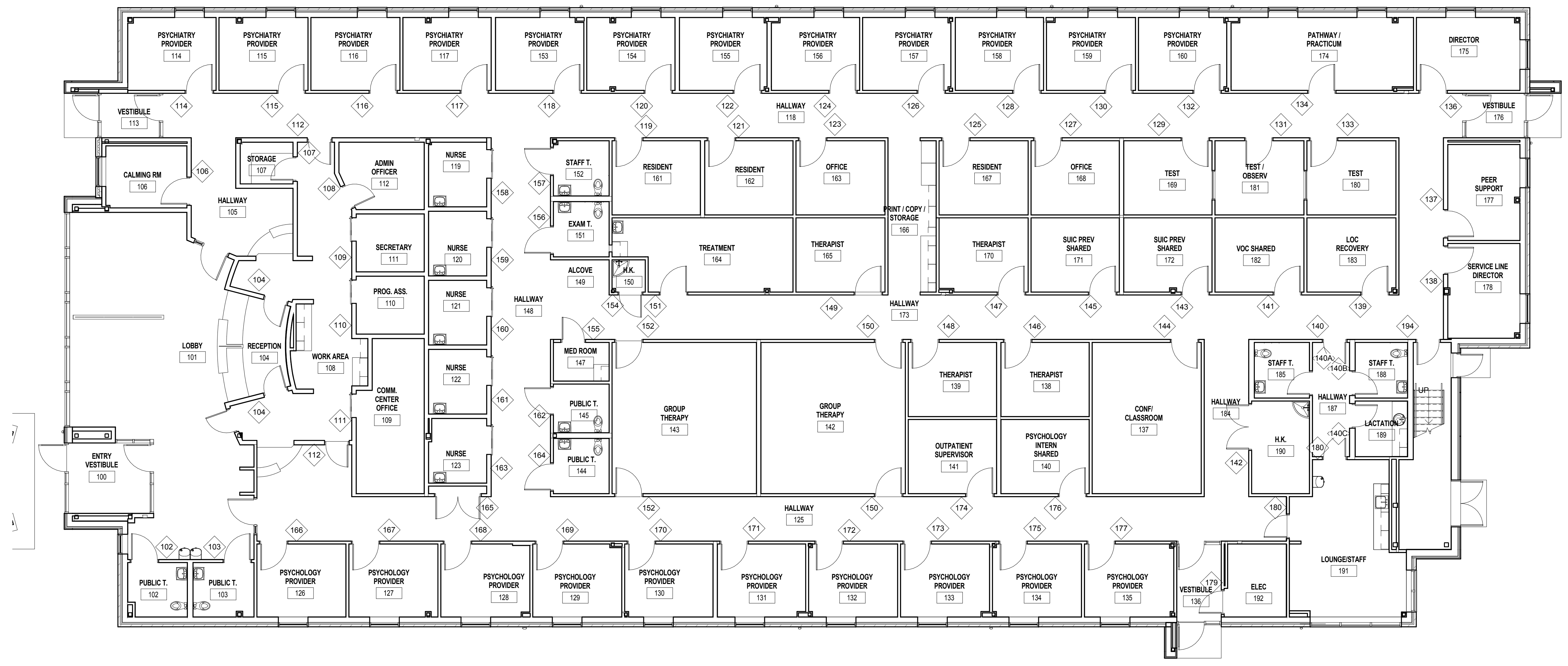
Office of Construction and Facilities Management
U.S. Department of Veterans Affairs

Drawing Title: ROOM FINISH SCHEDULE & MATERIAL MASTER
Approved: Project Director

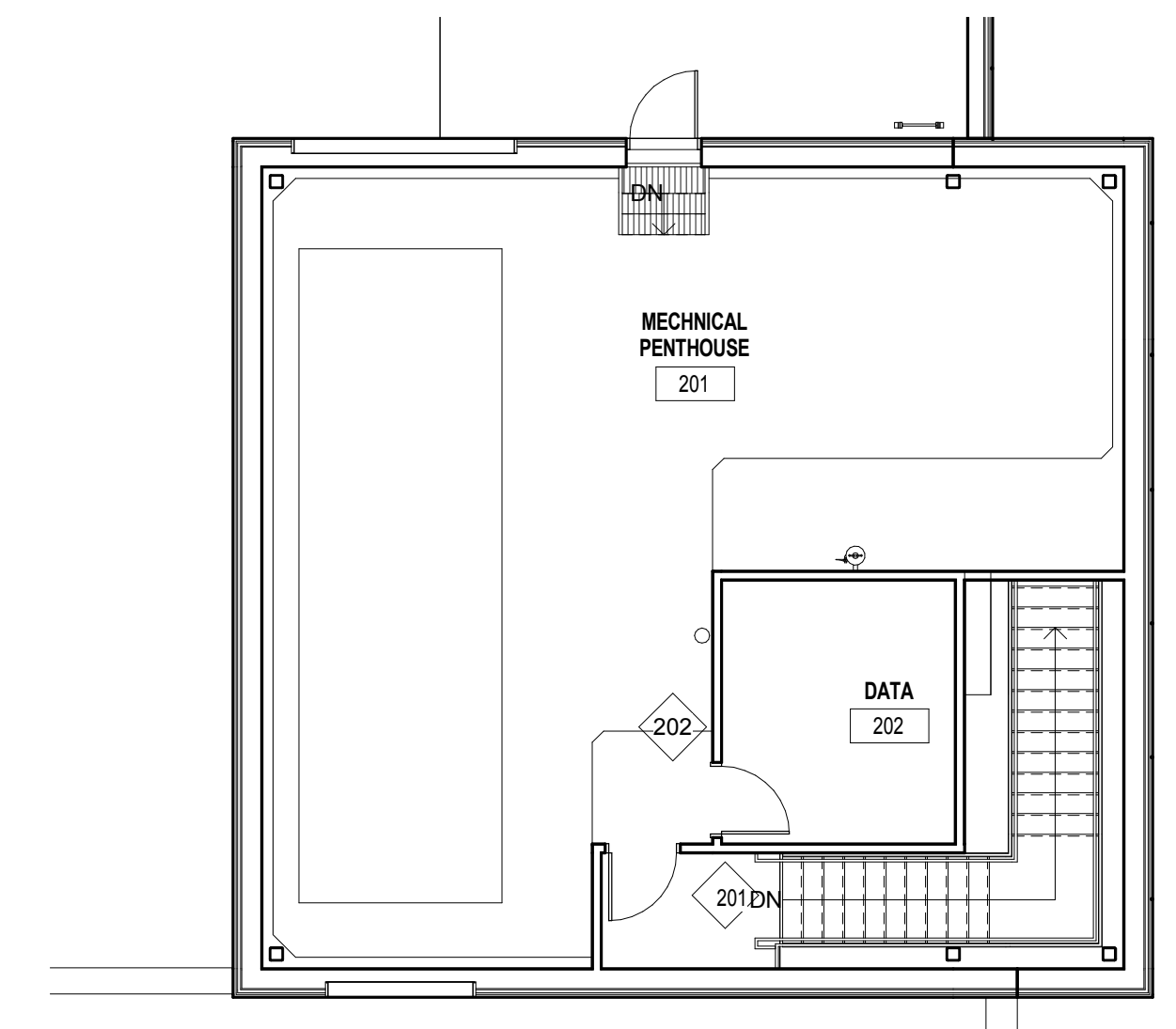
Phase: 100% BID DOCUMENTS
FULLY SPRINKLERED

Project Title: Outpatient Mental Health Building
Project Number: VA #438-450
Building Number:
Location: 2501 W 22nd St, Sioux Falls, SD, 57105
Issue Date: 10/01/2018
Checked: PDD
Drawn: MRP
Drawing Number: IN102
Dwg. 52 of 102

A
B
C
D
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F

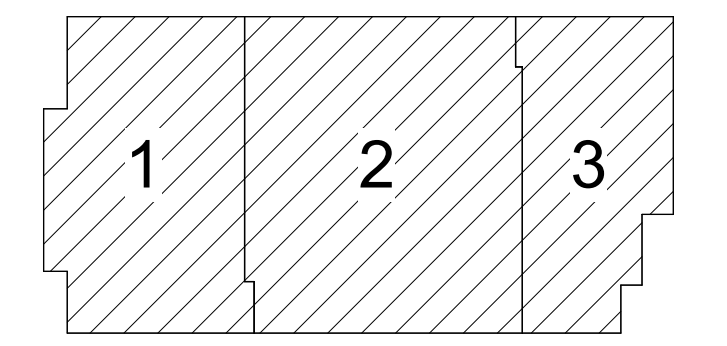
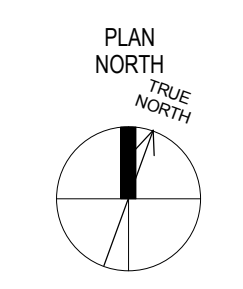


1 FIRST FLOOR SIGNAGE PLAN
1/8" = 1'-0"



2 PENTHOUSE SIGNAGE PLAN
1/8" = 1'-0"

0 2' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"



NOT FOR CONSTRUCTION

10/05/2018 12:18:00 PM C:\Users\pcho\Documents\14541 OMHB RVJT16_1Yeumyoung.rvt

Revisions	Date

CONSULTANT

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Tel 612-338-8741
Fax 612-338-4840

FARRIS ENGINEERING

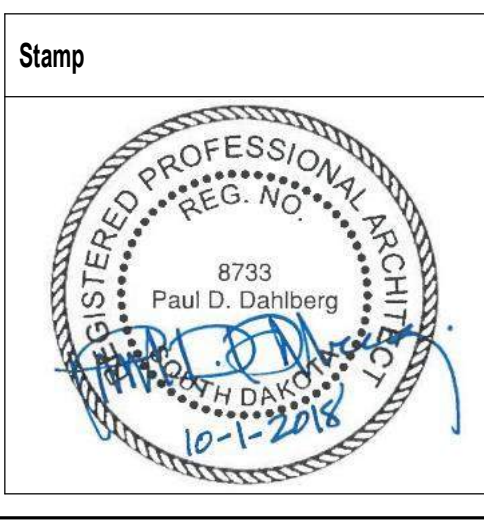
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SIGNAGE PLANS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

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Location
2501 W 22nd St, Sioux Falls, SD, 57105

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Drawing Number
IN103

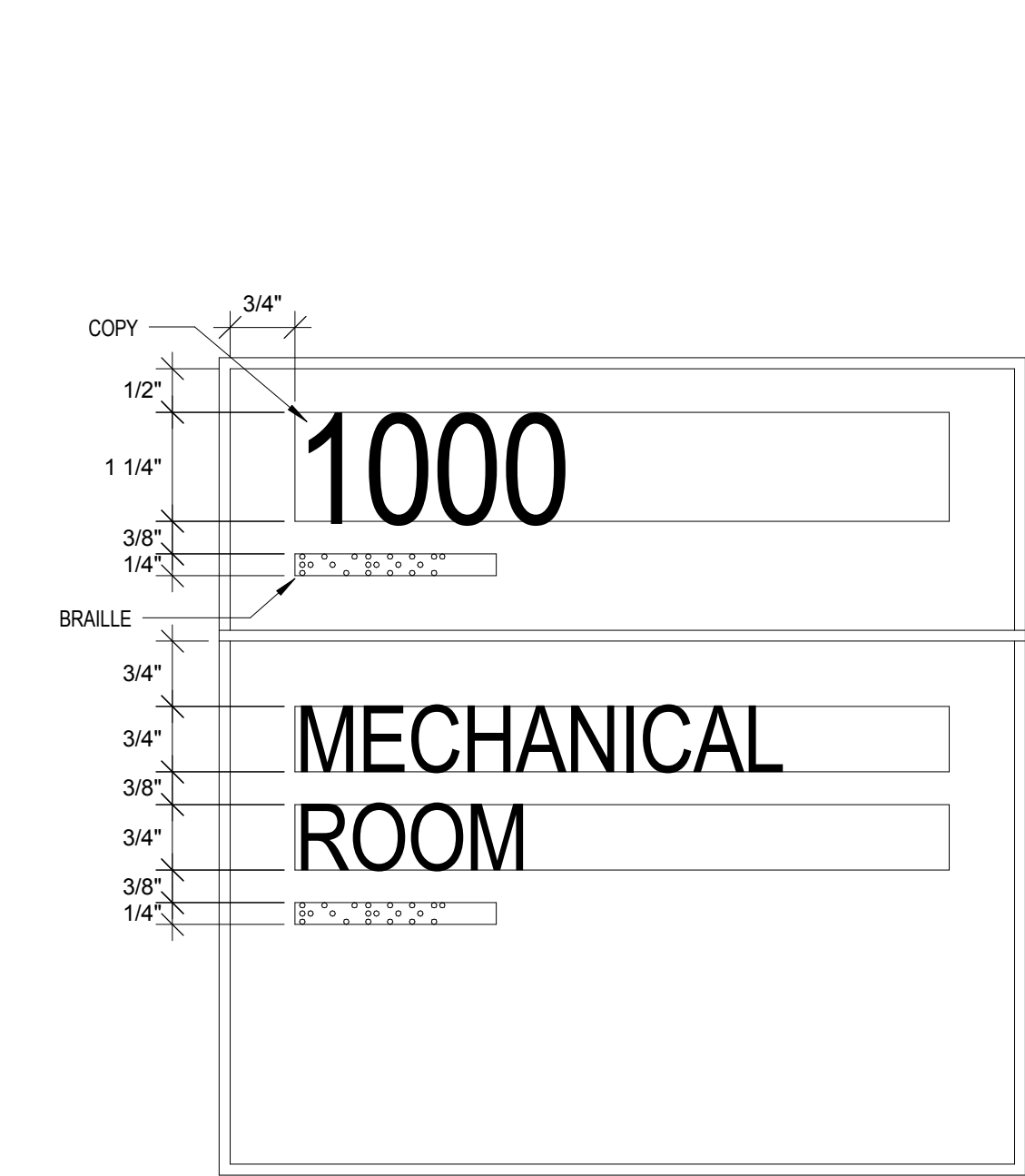
Dwg. 53 of 102

SIGN MESSAGE SCHEDULE - FIRST FLOOR					
LOCATION	ROOM NAME	VA ASSIGNED ROOM #	SIGN MESSAGE	TYPE	QUANTITY
102	PUBLIC T.	102	RESTROOM	IN-09.01	1
103	PUBLIC T.	103	RESTROOM	IN-09.01	1
104	RECEPTION	104	RECEPTION	IN-04.01	2
106	CALMING RM	106	CALMING ROOM	IN-04.01	1
107	STORAGE	107	NO MESSAGE	IN-03.01	1
108	WORK AREA	112		IN-04.01	2
109	COMM. CENTER OFFICE	111		IN-04.01	1
110	PROG. ASS.	110	PROGRAM SUPPORT	IN-04.01	1
111	SECRETARY	109	ADMINISTRATIVE OFFICE	IN-04.01	1
112	ADMIN OFFICER	108	ADMINISTRATIVE OFFICER	IN-04.01	1
114	PSYCHIATRY PROVIDER	114	PROVIDER OFFICE	IN-04.01	1
115	PSYCHIATRY PROVIDER	115	PROVIDER OFFICE	IN-04.01	1
116	PSYCHIATRY PROVIDER	116	PROVIDER OFFICE	IN-04.01	1
117	PSYCHIATRY PROVIDER	117	PROVIDER OFFICE	IN-04.01	1
119	NURSE	158	NURSE OFFICE	IN-04.01	1
120	NURSE	159	NURSE OFFICE	IN-04.01	1
121	NURSE	160	NURSE OFFICE	IN-04.01	1
122	NURSE	161	NURSE OFFICE	IN-04.01	1
123	NURSE	163	NURSE OFFICE	IN-04.01	1
124	ELEC. CLOSET	165	NO MESSAGE	IN-03.01	1
126	PSYCHOLOGY PROVIDER	166	PROVIDER OFFICE	IN-04.01	1
127	PSYCHOLOGY PROVIDER	167	PROVIDER OFFICE	IN-04.01	1
128	PSYCHOLOGY PROVIDER	168	PROVIDER OFFICE	IN-04.01	1
129	PSYCHOLOGY PROVIDER	169	PROVIDER OFFICE	IN-04.01	1
130	PSYCHOLOGY PROVIDER	170	PROVIDER OFFICE	IN-04.01	1
131	PSYCHOLOGY PROVIDER	171	PROVIDER OFFICE	IN-04.01	1
132	PSYCHOLOGY PROVIDER	172	PROVIDER OFFICE	IN-04.01	1
133	PSYCHOLOGY PROVIDER	173	PROVIDER OFFICE	IN-04.01	1
134	PSYCHOLOGY PROVIDER	175	PROVIDER OFFICE	IN-04.01	1
135	PSYCHOLOGY PROVIDER	177	PROVIDER OFFICE	IN-04.01	1
137	CONF/ CLASSROOM	144	CONFERENCE ROOM	IN-04.01	1
138	THERAPIST	146	MENTAL HEALTH OFFICE	IN-04.01	1
139	THERAPIST	148	MENTAL HEALTH OFFICE	IN-04.01	1
140	PSYCHOLOGY INTERN SHARED	176	MENTAL HEALTH OFFICE	IN-04.01	1
141	OUTPATIENT SUPERVISOR	174	MENTAL HEALTH OFFICE	IN-04.01	1
142	GROUP THERAPY	150	CONFERENCE ROOM	IN-04.01	2
143	GROUP THERAPY	152	CONFERENCE ROOM	IN-04.01	2
144	PUBLIC T.	164	RESTROOM	IN-09.01	1
145	PUBLIC T.	162	RESTROOM	IN-09.01	1
147	MED ROOM	155	SUPPLY ROOM	IN-04.01	1
150	H.K.	154	EMS	IN-04.01	1
151	EXAM T.	156	EXAM ROOM	IN-09.01	1
152	STAFF T.	157	STAFF ONLY/RESTROOM	IN-09.01	1
153	PSYCHIATRY PROVIDER	118	PROVIDER OFFICE	IN-04.01	1
154	PSYCHIATRY PROVIDER	120	PROVIDER OFFICE	IN-04.01	1
155	PSYCHIATRY PROVIDER	122	PROVIDER OFFICE	IN-04.01	1
156	PSYCHIATRY PROVIDER	124	PROVIDER OFFICE	IN-04.01	1
157	PSYCHIATRY PROVIDER	126	PROVIDER OFFICE	IN-04.01	1
158	PSYCHIATRY PROVIDER	128	PROVIDER OFFICE	IN-04.01	1
159	PSYCHIATRY PROVIDER	130	PROVIDER OFFICE	IN-04.01	1
160	PSYCHIATRY PROVIDER	132	PROVIDER OFFICE	IN-04.01	1
161	RESIDENT	119	MENTAL HEALTH OFFICE	IN-04.01	1
162	RESIDENT	121	MENTAL HEALTH OFFICE	IN-04.01	1
163	OFFICE	123	EXAM ROOM	IN-04.01	1
164	TREATMENT	151	EXAM ROOM	IN-04.01	1
165	THERAPIST	149	EXAM ROOM	IN-04.01	1
167	RESIDENT	125	EXAM ROOM	IN-04.01	1
168	OFFICE	127	EXAM ROOM	IN-04.01	1
169	TEST	129	MENTAL HEALTH OFFICE	IN-04.01	1
170	THERAPIST	147	MENTAL HEALTH OFFICE	IN-04.01	1
171	SUIC PREV SHARED	145	MENTAL HEALTH OFFICE	IN-04.01	1
172	SUIC PREV SHARED	143	MENTAL HEALTH OFFICE	IN-04.01	1
174	PATHWAY / PRACTICUM	134	MENTAL HEALTH OFFICE	IN-04.01	1
175	DIRECTOR	136	MENTAL HEALTH LEADERSHIP	IN-04.01	1
177	PEER SUPPORT	137	MENTAL HEALTH OFFICE	IN-04.01	1
178	SERVICE LINE DIRECTOR	138	MENTAL HEALTH LEADERSHIP	IN-04.01	1
180	TEST	133	OBSERVATION ROOM	IN-04.01	1
181	TEST / OBSERV	131	OBSERVATION ROOM	IN-04.01	1
182	VOC SHARED	141	MENTAL HEALTH OFFICE	IN-04.01	1
183	LOC RECOVERY	139	MENTAL HEALTH OFFICE	IN-04.01	1
185	STAFF T.	140A	STAFF ONLY/RESTROOM	IN-09.01	1
187	HALLWAY	140	NO MESSAGE	IN-03.01	2
188	STAFF T.	140B	STAFF ONLY/RESTROOM	IN-09.01	1
189	LACTATION	140C	MOTHERS PRIVATE ROOM	IN-04.01	1
190	H.K.	142	EMS	IN-09.01	1
191	LOUNGE/STAFF	180	STAFF LOUNGE	IN-04.01	2
192	ELEC	179	NO MESSAGE	IN-03.01	1
194	MECH PENTHOUSE STAIR	194	NO MESSAGE	IN-03.01	1

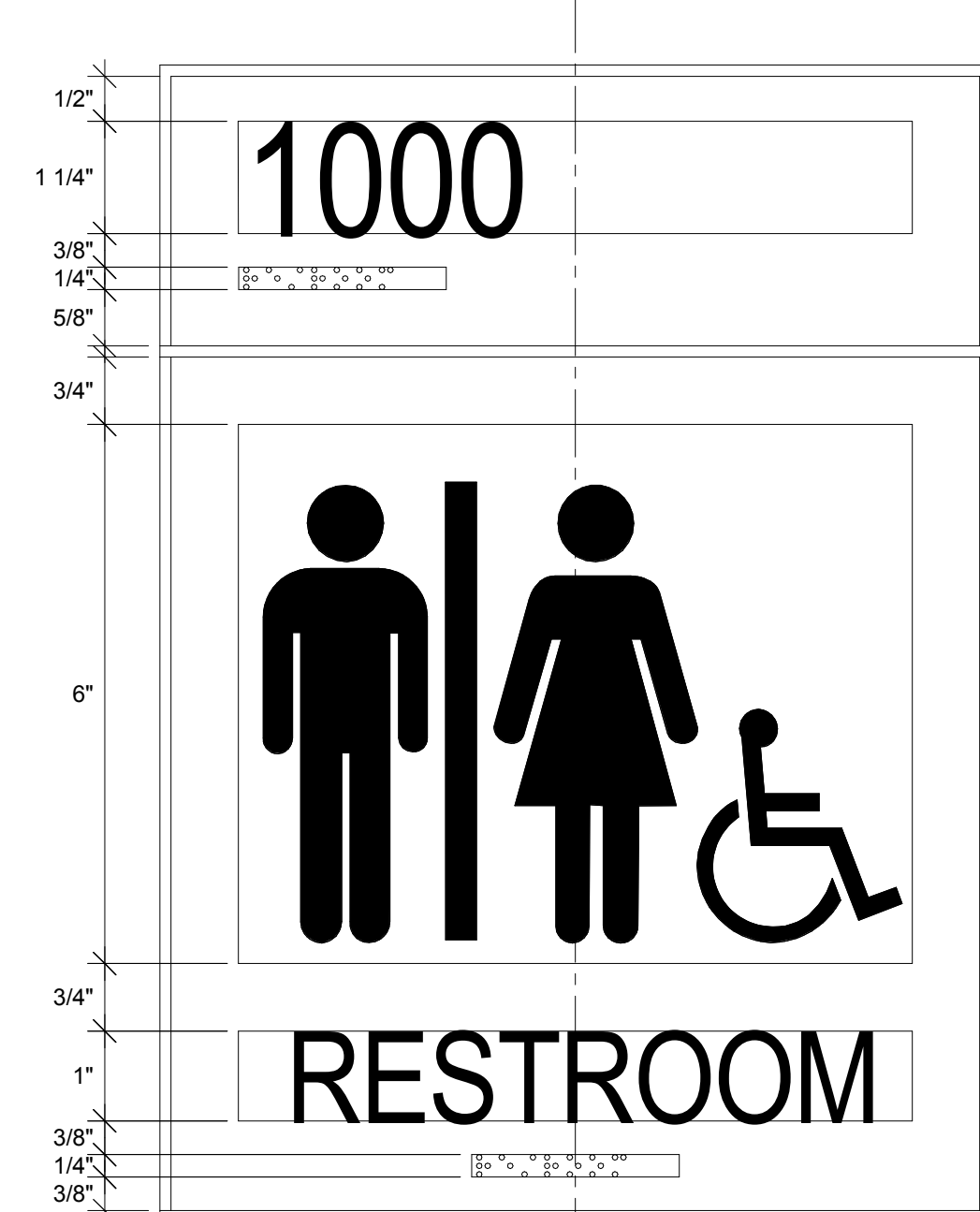
SIGN MESSAGE SCHEDULE - PENTHOUSE					
LOCATION	ROOM NAME	VA ASSIGNED ROOM #	SIGN MESSAGE	TYPE	QUANTITY
201	MECHANICAL PENTHOUSE	201	NO MESSAGE	IN-03.01	1
202	DATA	202	NO MESSAGE	IN-03.01	1



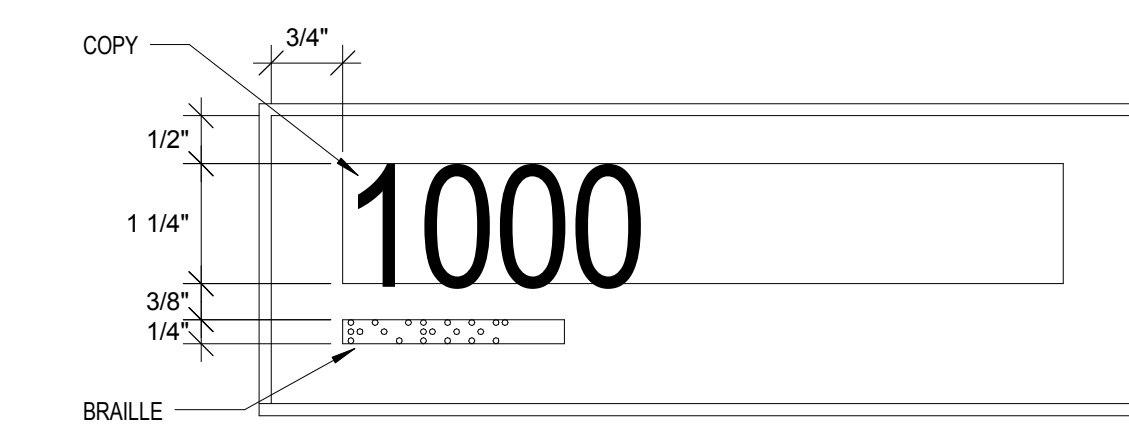
1 DIMENSIONAL BUILDING IDENTIFICATION DETAIL
1/2" = 1'-0"



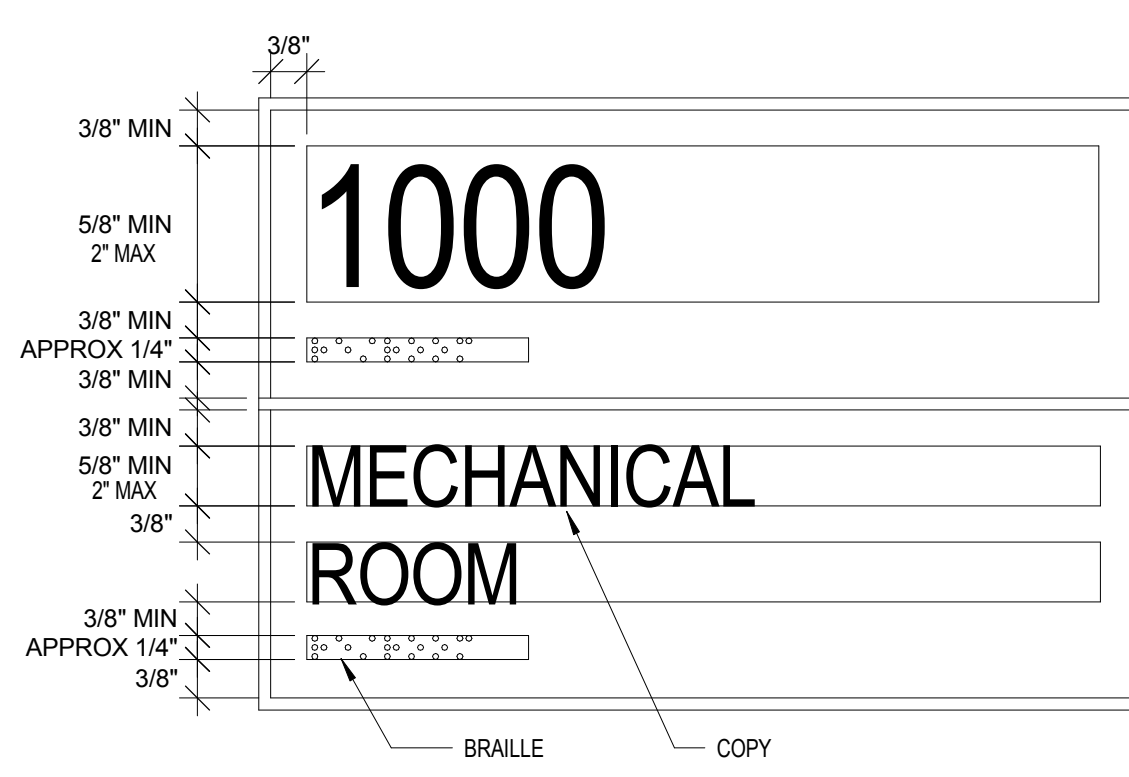
2 IN-04.01 PRIMARY ROOM ID
6" = 1'-0"



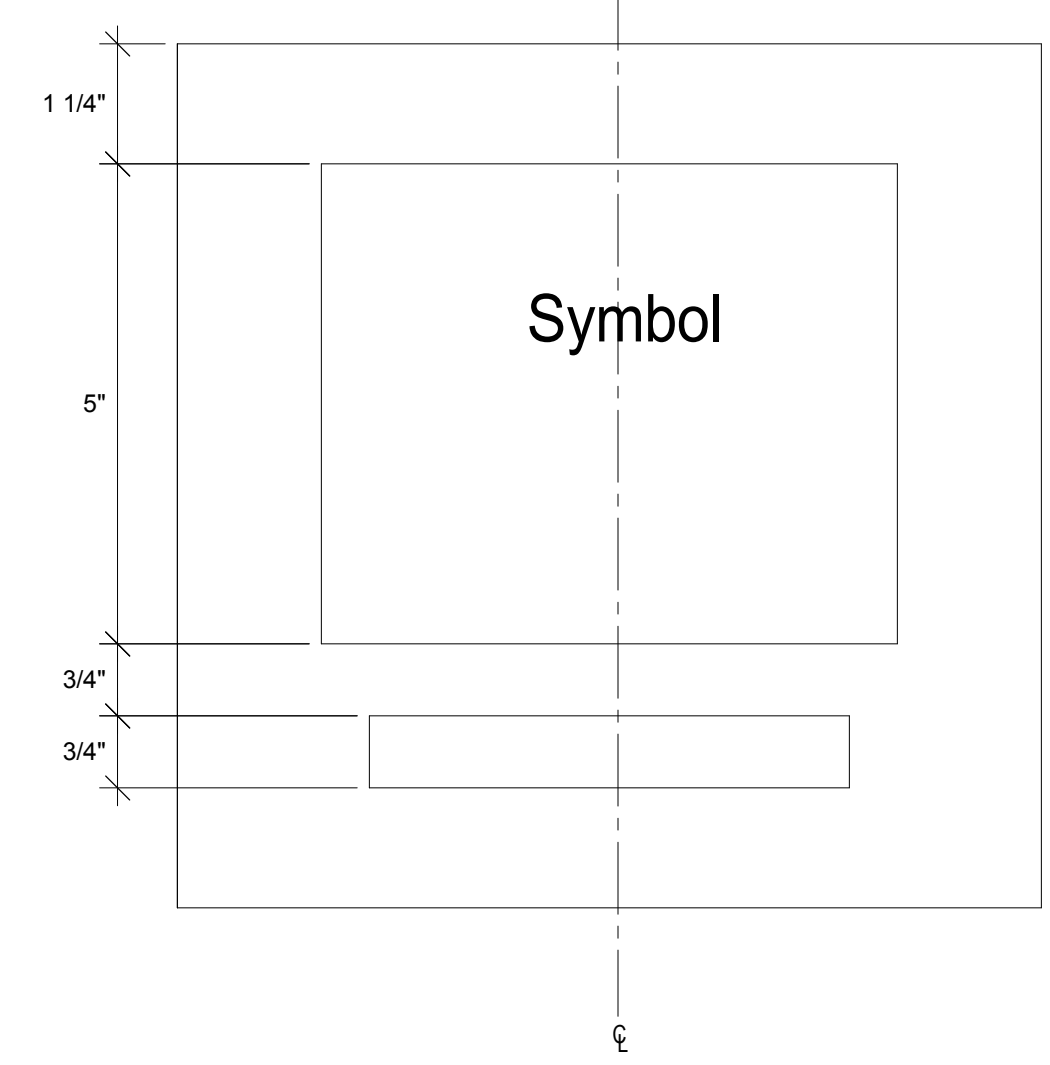
3 IN-09.01 RESTROOM ID
6" = 1'-0"



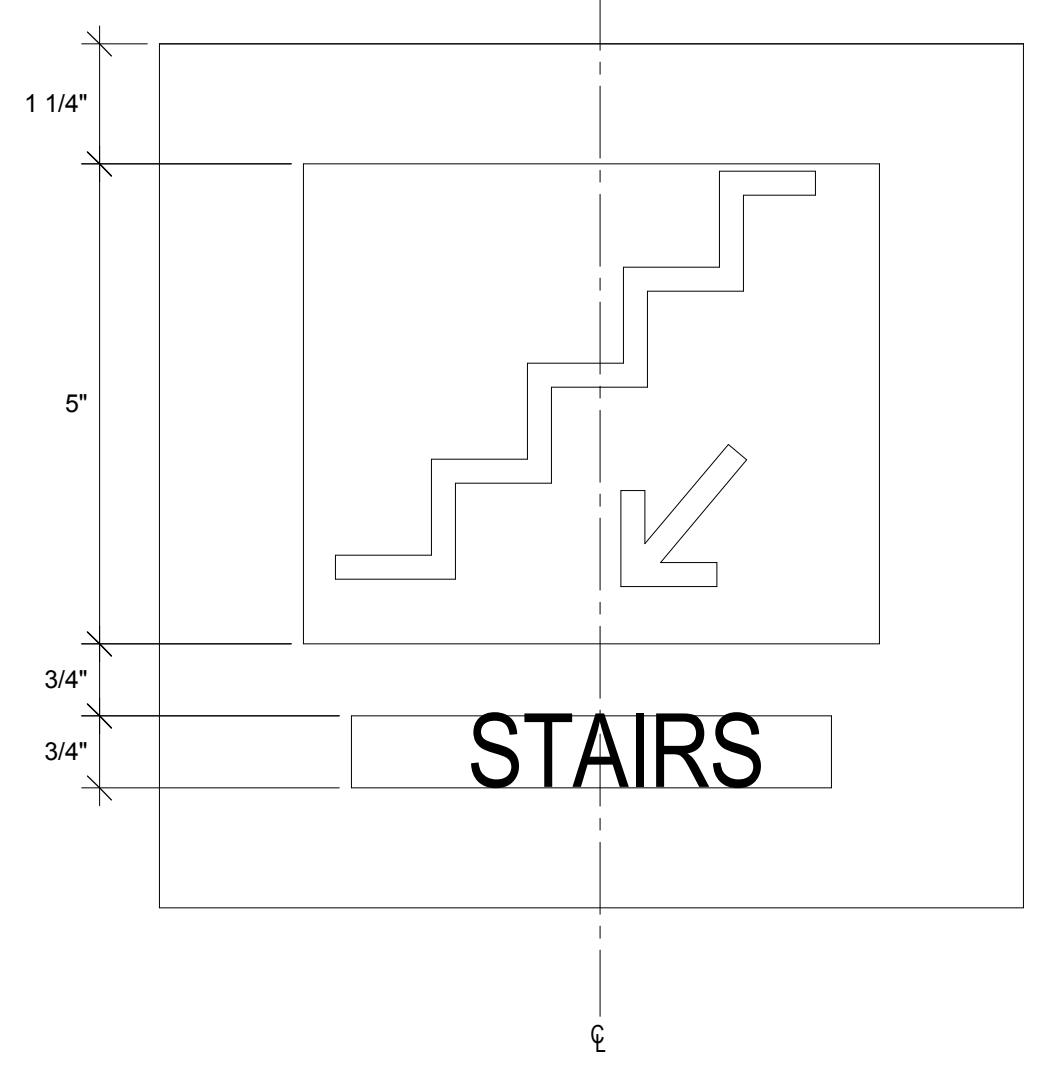
4 IN-03.01 ROOM NUMBER ID
6" = 1'-0"



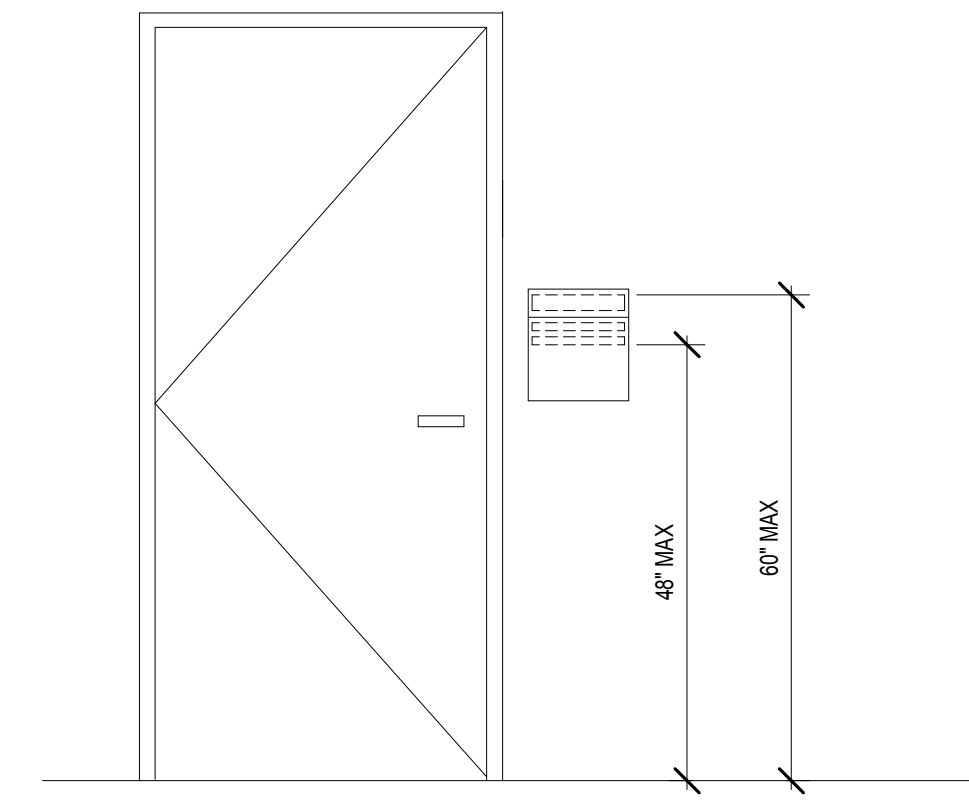
5 ADA STANDARDS
6" = 1'-0"



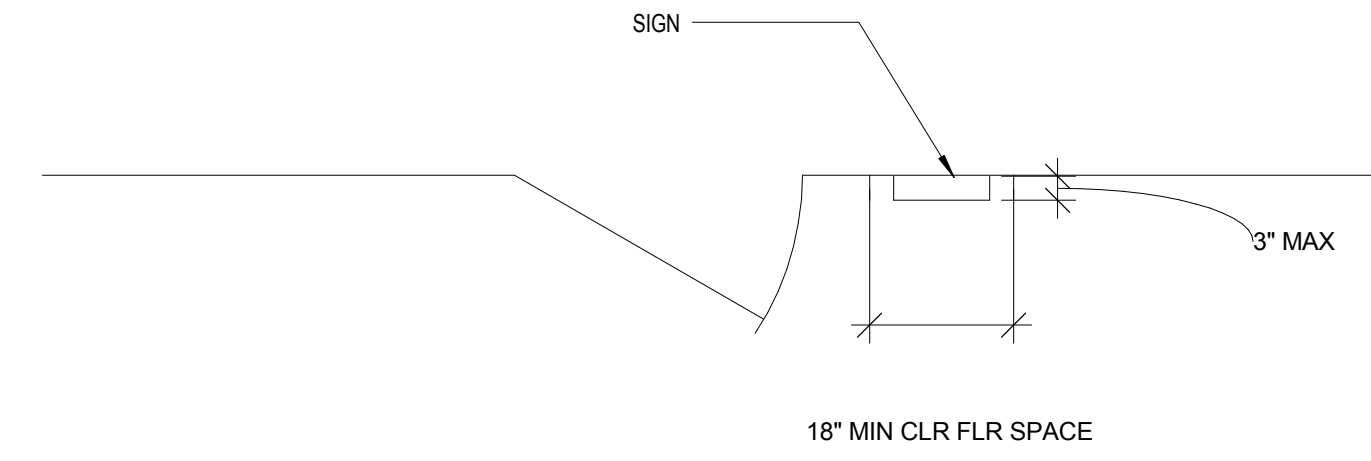
6 IN-09.08 PICTOGRAM AND SYMBOL
6" = 1'-0"



MESSAGE LAYOUT D



8 WALL ELEVATION
1/2" = 1'-0"



9 PLAN VIEW
1/2" = 1'-0"

SIGNAGE NOTES

- ALL SIGNAGE IDENTIFYING PERMANENT ROOMS SHALL COMPLY WITH 2010 ADA STANDARD FOR ACCESSIBLE DESIGN.
- ALL PERMANENT ROOM SIGNAGE TO HAVE TOP SECTION RAISED TEXT AND LOWER SECTION BRAILLE. BRAILLE TO BE GRADE 2, DOMED OR ROUNDED.
- STANDARD FONT TO BE HELVETICA BOLD. OVERHEAD SIGNS TO BE HELVETICA BOLD CONDENSED. SECONDARY LANGUAGE OF MULTILINGUAL SIGNS TO BE HELVETICA REGULAR.
- ALL RAISED LETTERING AND NUMBERING TO BE 1/32" MIN ABOVE THEIR BACKGROUND.
- ALL SIGNS TO BE MOUNTED ON LATCH SIDE OF DOOR. IF NO SPACE EXISTS ON LATCH SIDE, MOUNT SIGN TO THE NEAREST ADJACENT WALL. SIGNS MUST BE 2" FROM DOOR JAMB WITH 18" CLEAR FLOOR SPACE FROM CENTER OF SIGN.
- OVERHEAD SIGNS TO HAVE 84" MIN (VA STANDARD) CLEARANCE BETWEEN BOTTOM OF SIGN & FINISHED FLOOR.
- SIGN MESSAGE SCHEDULE SUBJECT TO FINAL APPROVAL BY OWNER.
- INTERIOR SIGNS PROVIDED BY OWNER FOR CONTRACTOR TO INSTALL.
- EXTERIOR SIGNS PROVIDED & INSTALLED BY GENERAL CONTRACTOR.

NOT FOR CONSTRUCTION

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Revisions	Date

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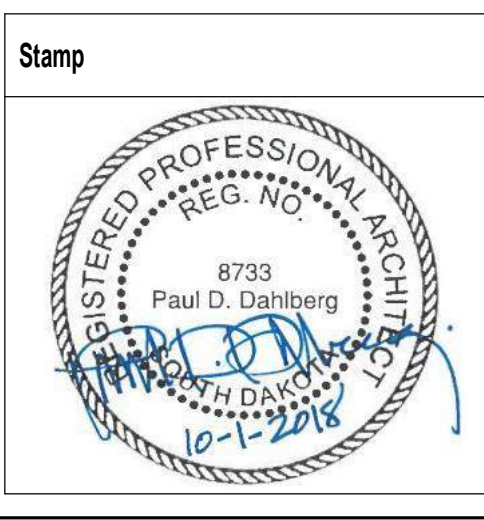
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AE PROJECT NO.: 14541



Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SIGN MESSAGE SCHEDULE & SIGNAGE DETAILS

Approved: Project Director

Phase
100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title
Outpatient Mental Health Building

Project Number
VA #438-450

Building Number

Location
2501 W 22nd St, Sioux Falls, SD, 57105

Issue Date
10/01/2018

Checked
PDD

Drawn
MRP

Drawing Number
IN104

Dwg. 54 of 102