



## DEPARTMENT OF ENVIRONMENTAL SERVICES

Division of Transportation  
Transit Bureau  
2100 Clarendon Boulevard, Suite 900, Arlington, VA 22201  
Phone: 703.228.3681 Fax: 703.228.7548 www.arlingtonva.us

### Design Team:

Architectural/Engineering Services

**STV Incorporated**  
2722 Merrilee Dr. Suite 350, Fairfax, VA 22031  
571.633.2220 www.stvinc.com

Vertical Transportation

**Van Deusen & Associates**  
1025 Connecticut Ave, NW, Suite 1000, Washington, DC 20036  
202.828.1236 www.vdassoc.com

Cost Estimating & Scheduling

**VJ Associates**  
1825 K Street NW, Suite 1100, Washington, DC 20006  
202.609.7480 www.vjassociates.com

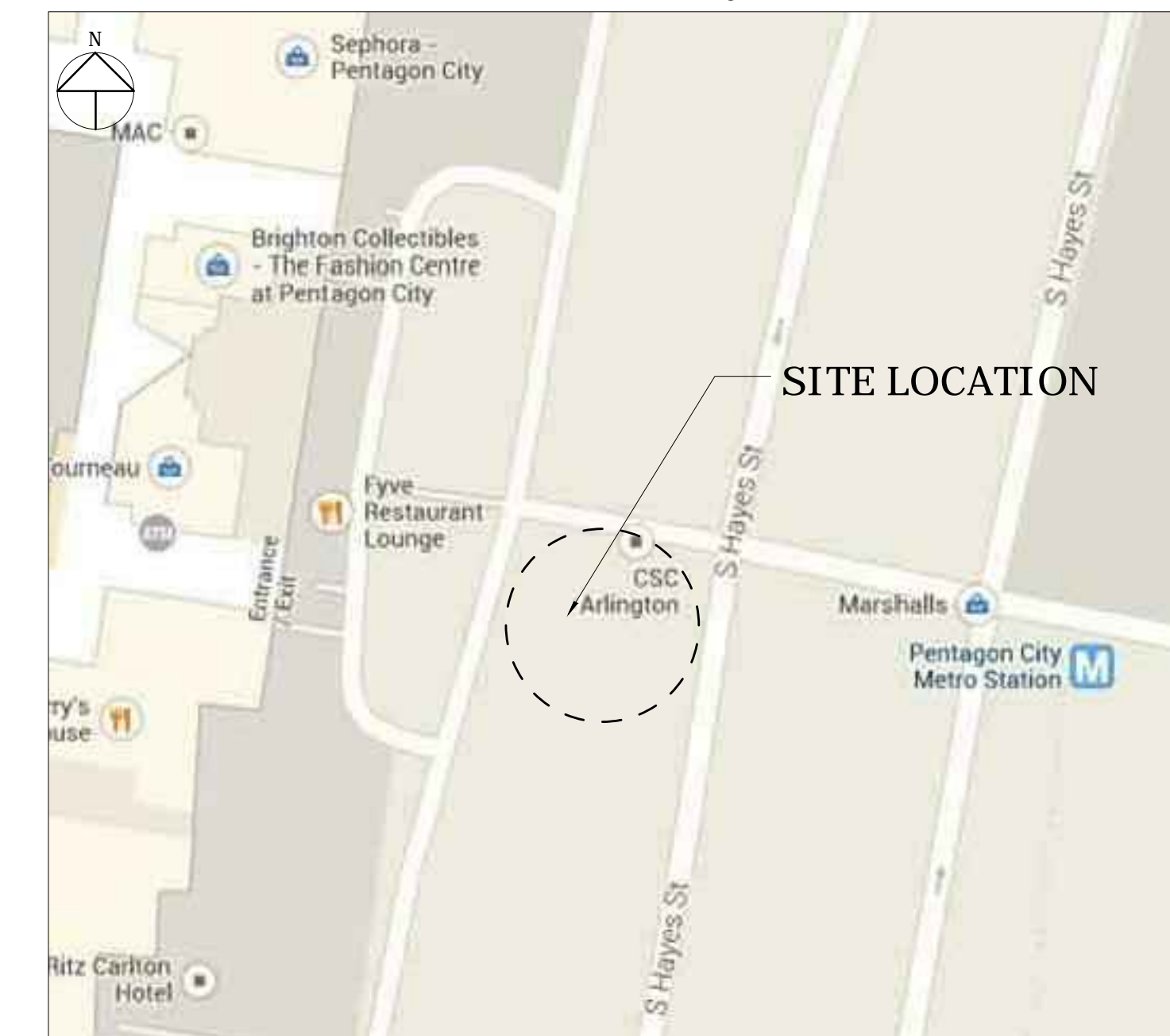
Survey and Utility Designation

**Cervantes & Associates, P.C.**  
4229 Lafayette Center Dr, Suite 1125, Chantilly, VA 20151  
703.691.4114 www.cervantes-associates.com

## Location Map

SCALE: N.T.S.

### Vicinity



# 100% Design Drawings For: Pentagon City Station Second Elevator Project

South Hayes Street

STV Project Number: 4018669

WMATA Project Number: 251666

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I CERTIFY THAT THIS PROJECT WAS BUILT IN SUBSTANTIAL CONFORMANCE WITH THIS PLAN, UNLESS DULY NOTED IN THE ABOVE REVISION BLOCK.

PROJECT MANAGER \_\_\_\_\_ DATE \_\_\_\_\_  
CONSTRUCTION MANAGER \_\_\_\_\_ DATE \_\_\_\_\_

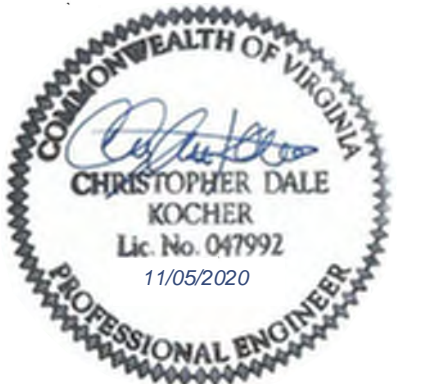
## General Notes:

- ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88)
- ALL CONSTRUCTION WORK FOR THIS PROJECT SHALL CONFORM TO THE "ARLINGTON COUNTY, DEPARTMENT OF ENVIRONMENTAL SERVICES, CONSTRUCTION STANDARDS AND SPECIFICATIONS" MANUAL OF 2008 AND ANY SPECIAL PROVISIONS AND SPECIAL DESIGN FOR STREETS, STORM SEWER, AND UTILITY CONSTRUCTION AS PROVIDED ON THESE PLANS OR IN THE BID PROPOSAL. COPIES OF THE "CONSTRUCTION STANDARDS AND SPECIFICATIONS" MANUAL MAY BE PURCHASED AT A COST OF \$30.00 PER HARD COPY OR CAN BE DOWNLOADED AT NO COST AT: [HTTP://WWW.ARLINGTONVA.US/DEPARTMENTS/ENVIRONMENTALSERVICES/CPE/ENVIRONMENTALSERVICESPECS.ASPX](http://www.arlingtonva.us/departments/environmentalservices/cpe/environmentalservicespecs.aspx)
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 FOR MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES (i.e. WATER, SEWER, GAS, TELEPHONE, ELECTRIC, AND CABLE TV) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO IDENTIFY AND PROTECT ALL OTHER UTILITY LINES FOUND IN THE WORK SITE AREA BELONGING TO OTHER OWNERS THAT ARE NOT MEMBERS OF "MISS UTILITY".
- WITH 48 HOURS NOTICE, THE COUNTY WILL PROVIDE CONSTRUCTION STAKES FOR LINE AND GRADE AND THE PREPARATION OF CUT SHEETS RELATED TO THIS PROJECT AT NO CHARGE TO THE CONTRACTOR.
- THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM BEST AVAILABLE RECORDS AND MUST BE CONSIDERED TO BE APPROXIMATE. WHEN CONSTRUCTION ACTIVITY REACHES IN PROXIMITY TO EXISTING UTILITIES, THE TRENCHES SHALL BE OPENED A SUFFICIENT DISTANCE AHEAD OF THE WORK OR TEST FITS SHALL BE MADE TO VERIFY THE EXACT LOCATION AND INVERTS OF THE UTILITY TO ALLOW FOR POSSIBLE CHANGES IN THE LINE OR GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING UTILITIES AND THE RELATED STRUCTURES. ALL EXISTING UTILITY SYSTEMS SHALL BE PROTECTED TO PREVENT DAMAGE DURING THE CONTRACTOR'S OPERATIONS. ANY SYSTEM DAMAGED SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
- FOR CONTROL AND MAINTENANCE OF TRAFFIC REFER TO CONTRACT SPECIAL PROVISION, MAINTENANCE OF TRAFFIC, LOCATED IN THE BID PROPOSAL.
- CONCRETE CRADLES SHALL BE PROVIDED AT ALL SANITARY LATERAL CROSSINGS. IF SO DESIRED BY THE ENGINEER, ADDITIONAL CONCRETE CRADLES SHALL BE PROVIDED TO PROTECT OTHER UTILITIES WITHIN THE CONSTRUCTION LIMITS. THE CONCRETE CRADLES AND ENCASEMENTS SHALL BE PAID FOR AT THE STIPULATED UNIT PRICE.
- ALL UNSUITABLE BACKFILL MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE. SUITABLE BACKFILL MATERIAL MAY BE REUSED ANYWHERE ON THE JOB AND MAY BE STOCKPILED FOR REUSE. STORING, TRANSPORTATION, LOADING, AND OTHER ASSOCIATED COST ARE TO BE INCLUDED IN THE UNIT BID PRICE FOR PIPE IN PLACE. STORAGE AREAS WILL NOT BE PROVIDED BY ARLINGTON COUNTY.
- ALL CONCRETE ON THIS PROJECT SHALL BE CLASS "A-3", AIR ENTRAINED CONCRETE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL USE A CURING COMPOUND TO TREAT ALL EXPOSED CONCRETE.
- THE REMOVAL COST OF ANY EXISTING PAVEMENT, CURB AND GUTTER, SIDEWALKS, APRONS, ETC. IS TO BE INCLUDED IN THE UNIT PRICE BID FOR EXCAVATION. THE CONTRACTORS ARE HEREBY ADVISED THAT THEY MAY DUMP EXCAVATED CONCRETE CURB AND GUTTER AND SIDEWALK (NO REINFORCING STEEL OR WIRE) AT ARLINGTON COUNTY TRADES CENTER LOCATED AT 4300 29TH STREET SOUTH.
- THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE SITE AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION AND SHALL ENSURE THE SAFETY OF PEDESTRIANS FROM TRAFFIC AND CONSTRUCTION HAZARDS.
- EXISTING DRAINAGE FACILITIES AFFECTED BY THIS PROPOSED PROJECT SHALL BE CLEANED OUT TO THE SATISFACTION OF THE COUNTY. THE COST IS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT PRICE OF OTHER ITEMS.
- CONTRACTOR SHALL NOT DISTURB OR REMOVE ANY TRAFFIC CONTROL SIGNS, PARKING METERS OR ANY OTHER TRAFFIC CONTROL DEVICE WITHOUT PRIOR PERMISSION FROM THE TRANSPORTATION DIVISION AT (703) 228-3575 OR 228-6512.
- PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS THAT PERTAIN TO THIS PROJECT SHALL BE PROVIDED AND INSTALLED BY ARLINGTON COUNTY TRAFFIC ENGINEERING BUREAU. THE CONTRACTOR SHALL COORDINATE WITH ARLINGTON COUNTY, TRAFFIC BUREAU.
- ABANDONING EXISTING STRUCTURES AND PIPELINES, EXCAVATE AND REMOVE EXISTING STRUCTURE AND STORM SEWER LINES OR ABANDON IN PLACE BY FILLING PIPE WITH FLOWABLE FILL AND PLUGGING AT ALL OPEN ENDS. EXCAVATE AND REMOVE STRUCTURE TO A MINIMUM OF 2 FEET BELOW FINISHED GRADE. FILL THE STRUCTURE WITH SAND OR #57 AGGREGATE MATERIAL. THE PRICE FOR ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE IN PLACE.
- EXISTING UTILITY SYSTEMS SHALL BE PROTECTED TO PREVENT DAMAGE DURING THE CONTRACTOR'S OPERATIONS. ANY SYSTEMS DAMAGED SHALL BE PROMPTLY REPAIRED AT NO COST TO THE OWNER.
- HELICAL PILE FOUNDATIONS AS DEPICTED WITHIN THE CONSTRUCTION DOCUMENTS ARE CONCEPTUAL BASED ON A PROPRIETARY PRODUCT SYSTEM. THE DESIGN THEREOF SHALL BE FINALIZED AS PART OF THE DELEGATED DESIGN UNDER THE GENERAL CONSTRUCTION CONTRACT.
- THE INSTALLATION OF THE ELEVATOR WILL BE COMPLETED BY OTHERS. SUBMIT THE ELEVATOR PERMIT TO STEVE FRANCISCO IN CODE ENFORCEMENT. HIS CONTACT NUMBER IS 703-228-3874



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Division of Transportation  
Transit Bureau  
2100 Clarendon Boulevard, Suite 900  
Arlington, VA 22201  
Phone: 703.228.3681  
Fax: 703.228.7548

Seal



Approvals	Date
Tracy D. Twyman, P.C. WMATA PROJECT MANAGER	11/20/2020
[Signature] FD&C BUREAU CHIEF	11/23/20
Azan S. Jaymand FD&C PROJECT MANAGER	11/23/20
Lynn Rivers TRANSIT BUREAU CHIEF	11/23/20
Robin MacChanny TRANSIT PROJECT MANAGER	11/23/20
[Signature] WATER, SEWER STREETS BUREAU CHIEF	11-23-20
Dennis M. Leach TRANSPORTATION DIRECTOR	11/23/20

Revisions Date  
ISSUED FOR CONSTRUCTION 11-20-2020

Project Name and Location  
Pentagon City Station  
Elevator Project  
Cover Sheet  
South Hayes Street  
G-000

Designed: CK  
Drawn: CK  
Checked: AK  
Miss Utility Transmittal #:

Filename:  
Path:  
Plotted:  
Plotted by:

Scale: NONE

100% PLANS - FOR CONSTRUCTION

Sheet 1 OF 68



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

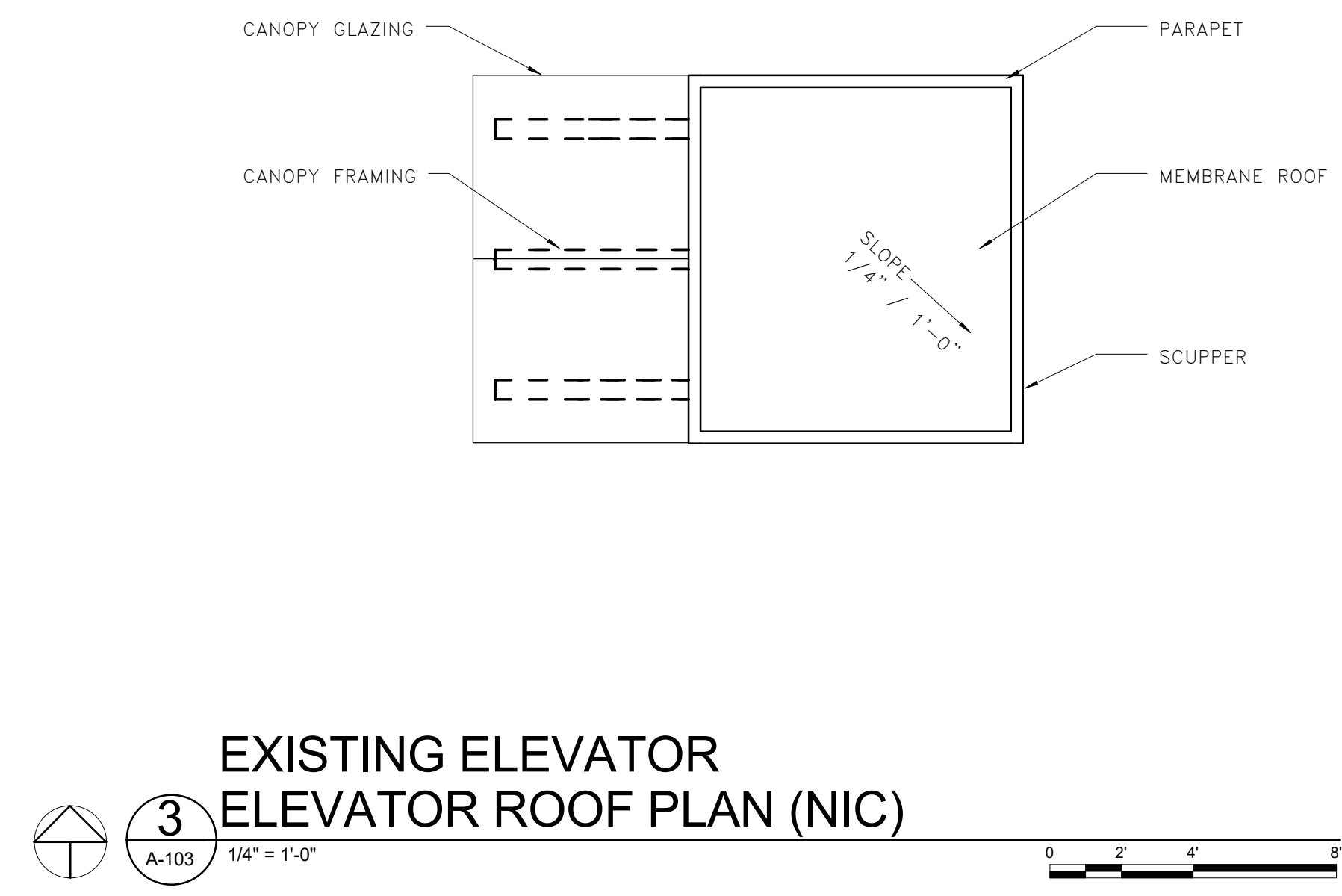
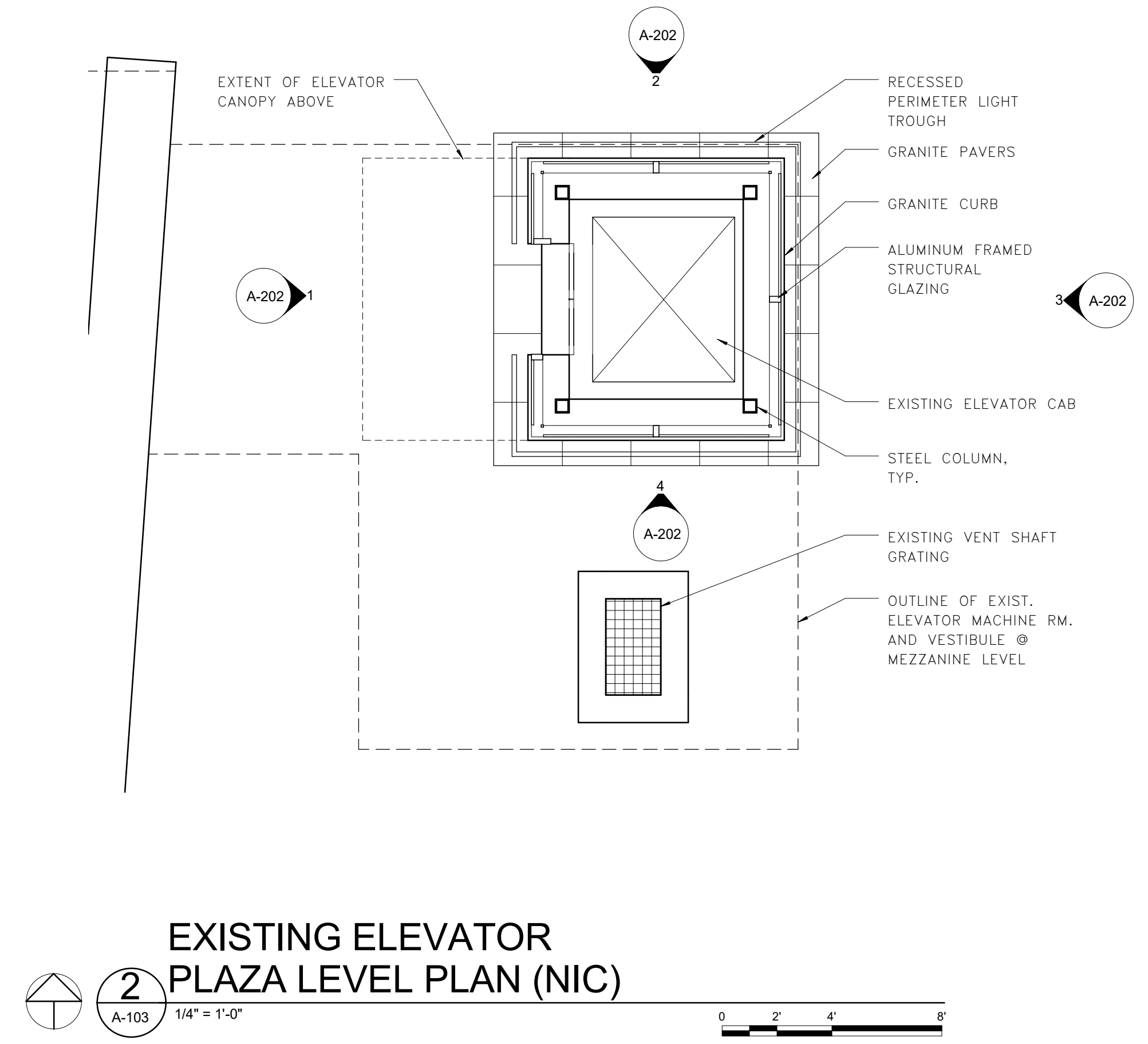
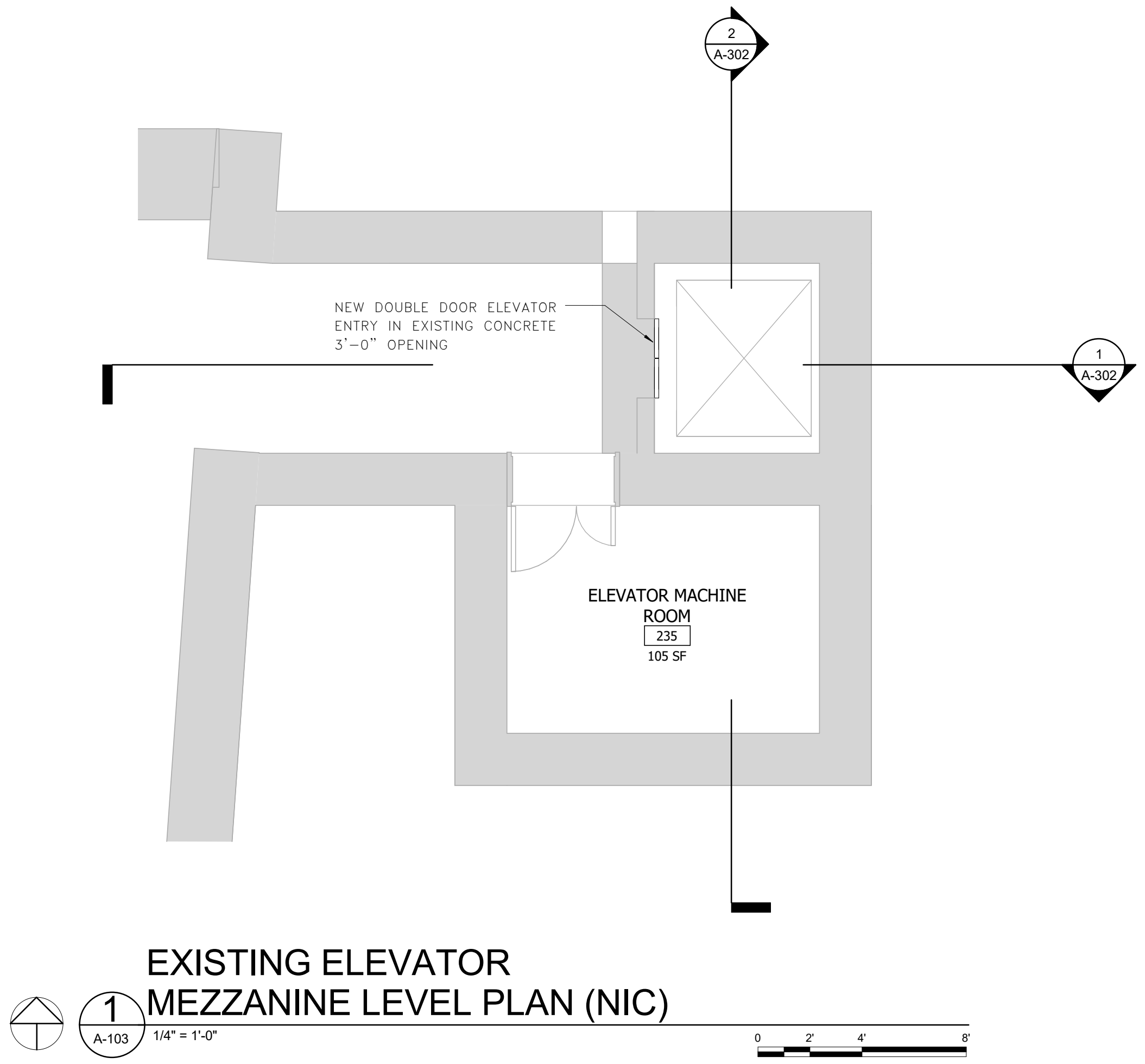
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**Pentagon City Station  
Elevator Project**  
East Elevator Plans  
South Hayes Street  
A-103

Designed: LJ  
Drawn: ZS  
Checked: HS  
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Plotted by:

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

100% PLANS - FOR CONSTRUCTION



**NOT IN CONTRACT**



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

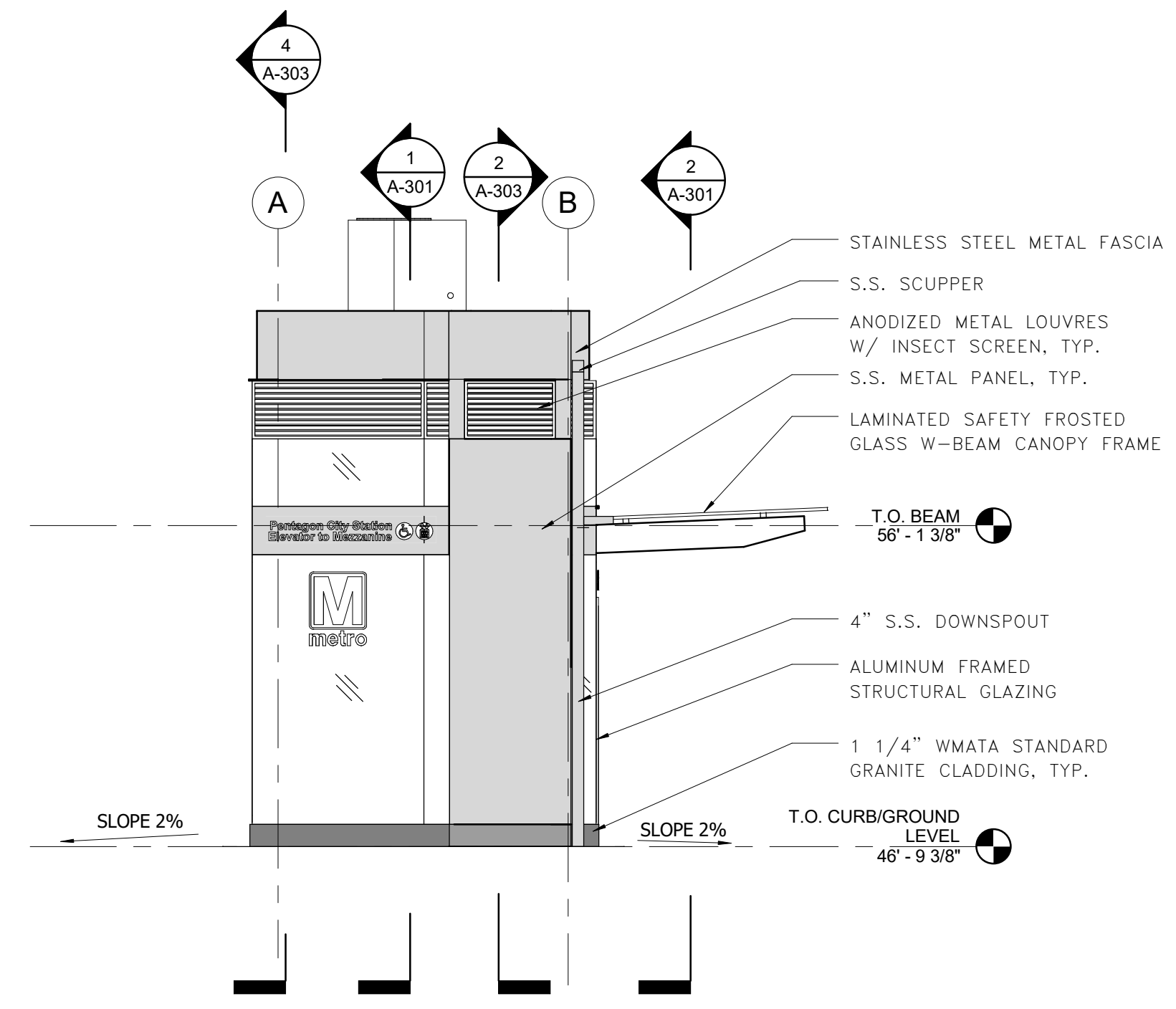
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**Pentagon City Station  
Elevator Project**  
West Head House Elevations  
South Hayes Street  
A-201

Designed: LJ  
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Checked: HS  
Miss Utility Transmittal #:

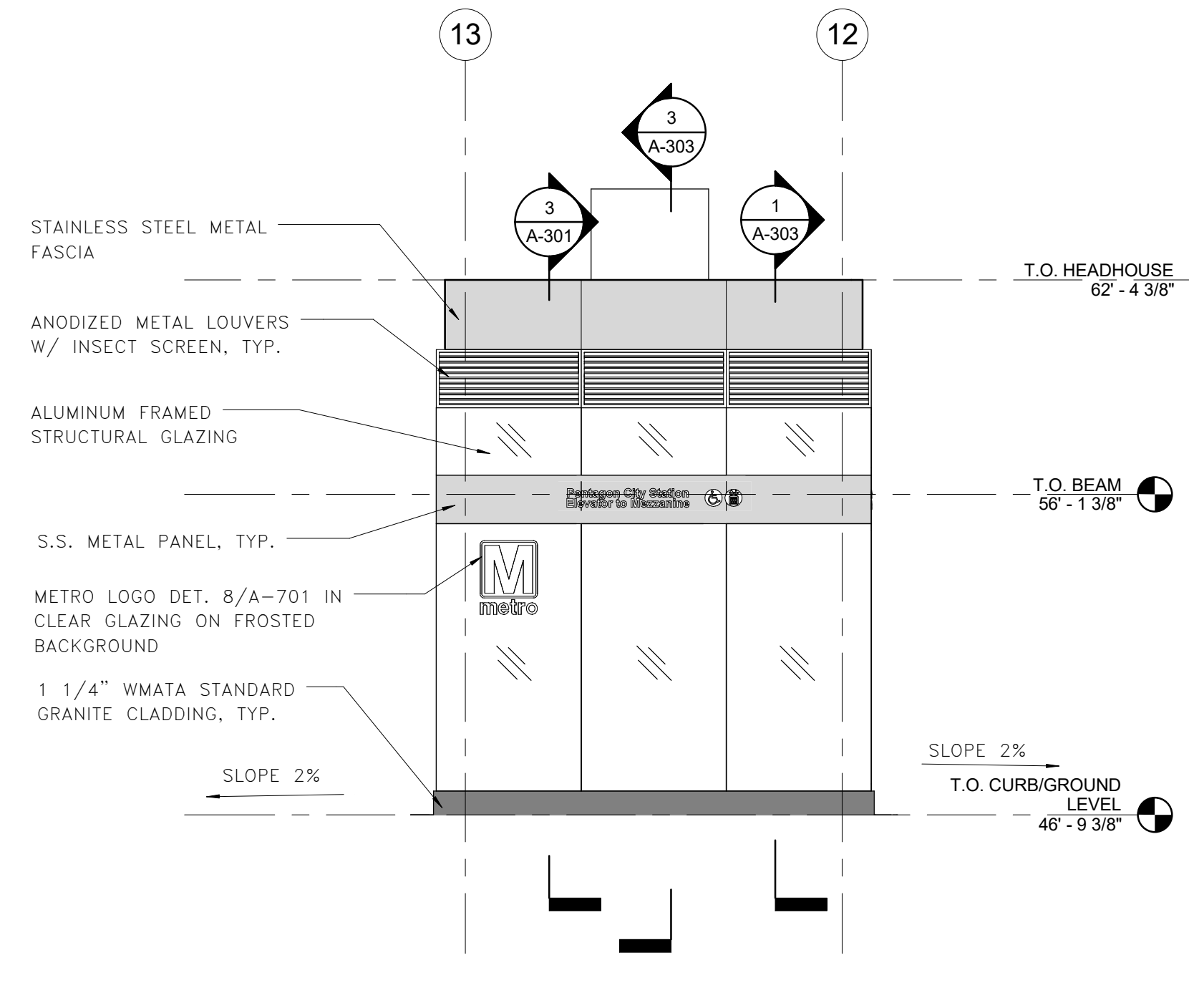
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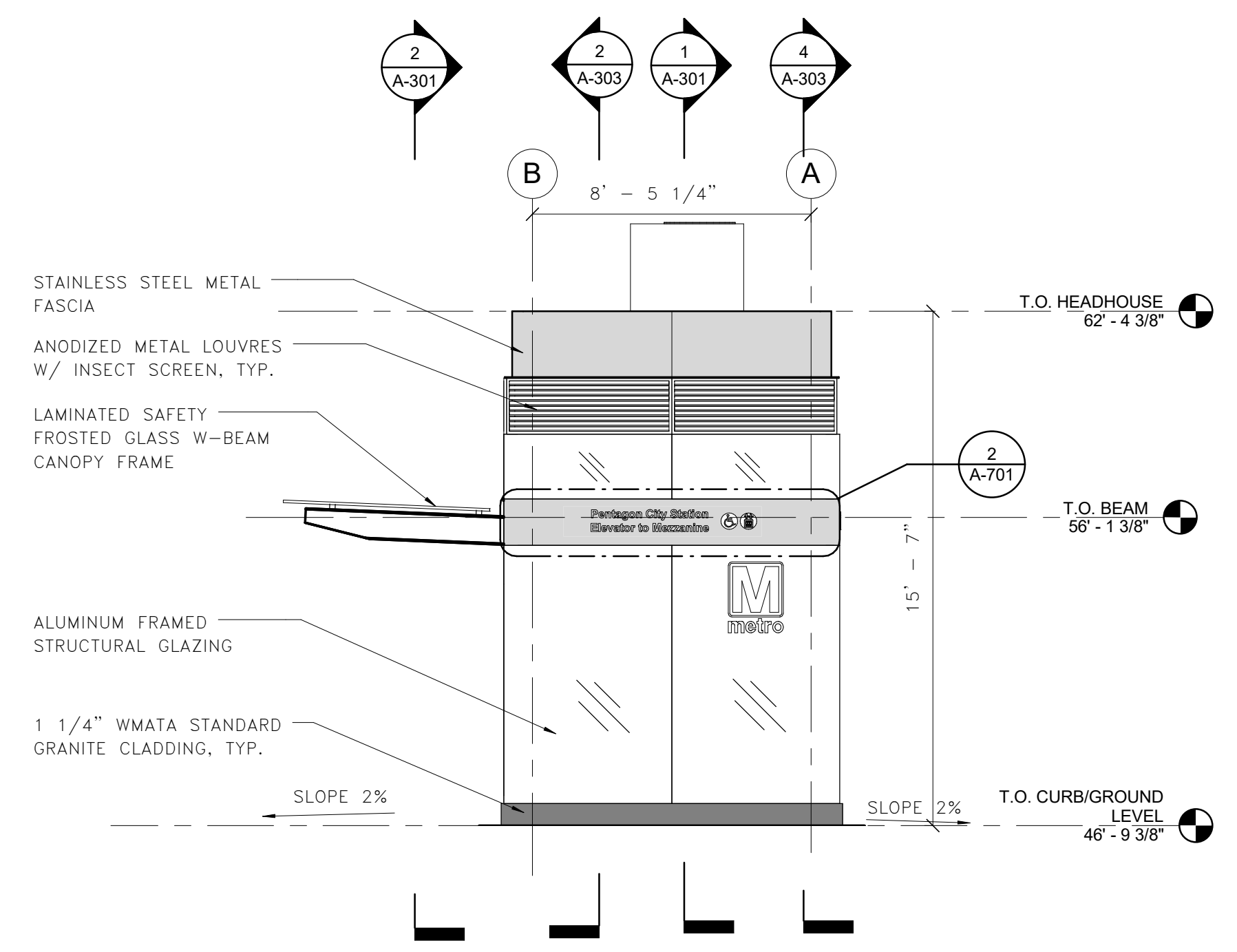
100% PLANS - FOR CONSTRUCTION



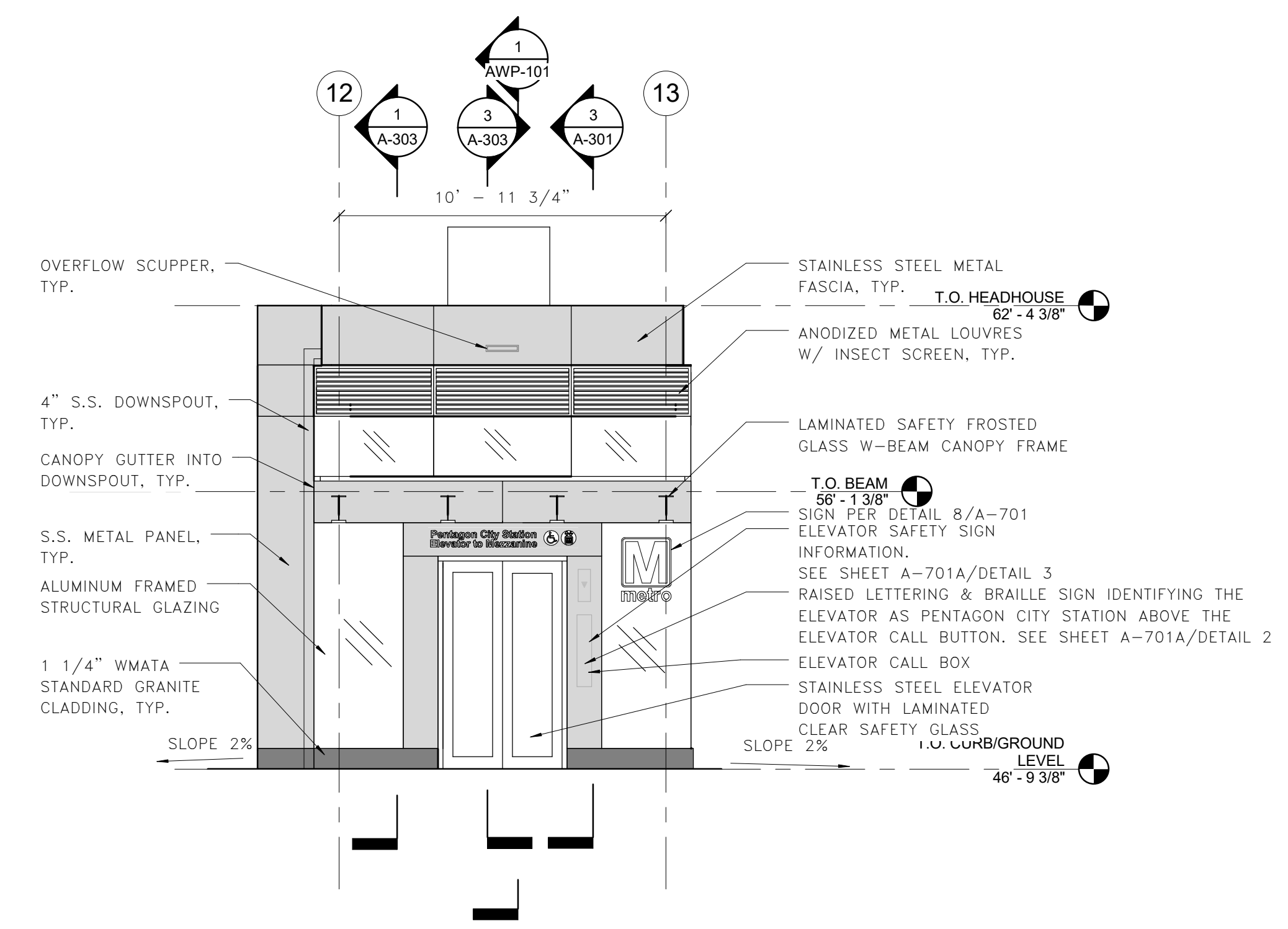
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**2 ELEVATOR NORTH ELEVATION**  
A-201 1/4" = 1'-0"



**3 ELEVATOR EAST ELEVATION**  
A-201 1/4" = 1'-0"



**4 ELEVATOR SOUTH ELEVATION**  
A-201 1/4" = 1'-0"



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

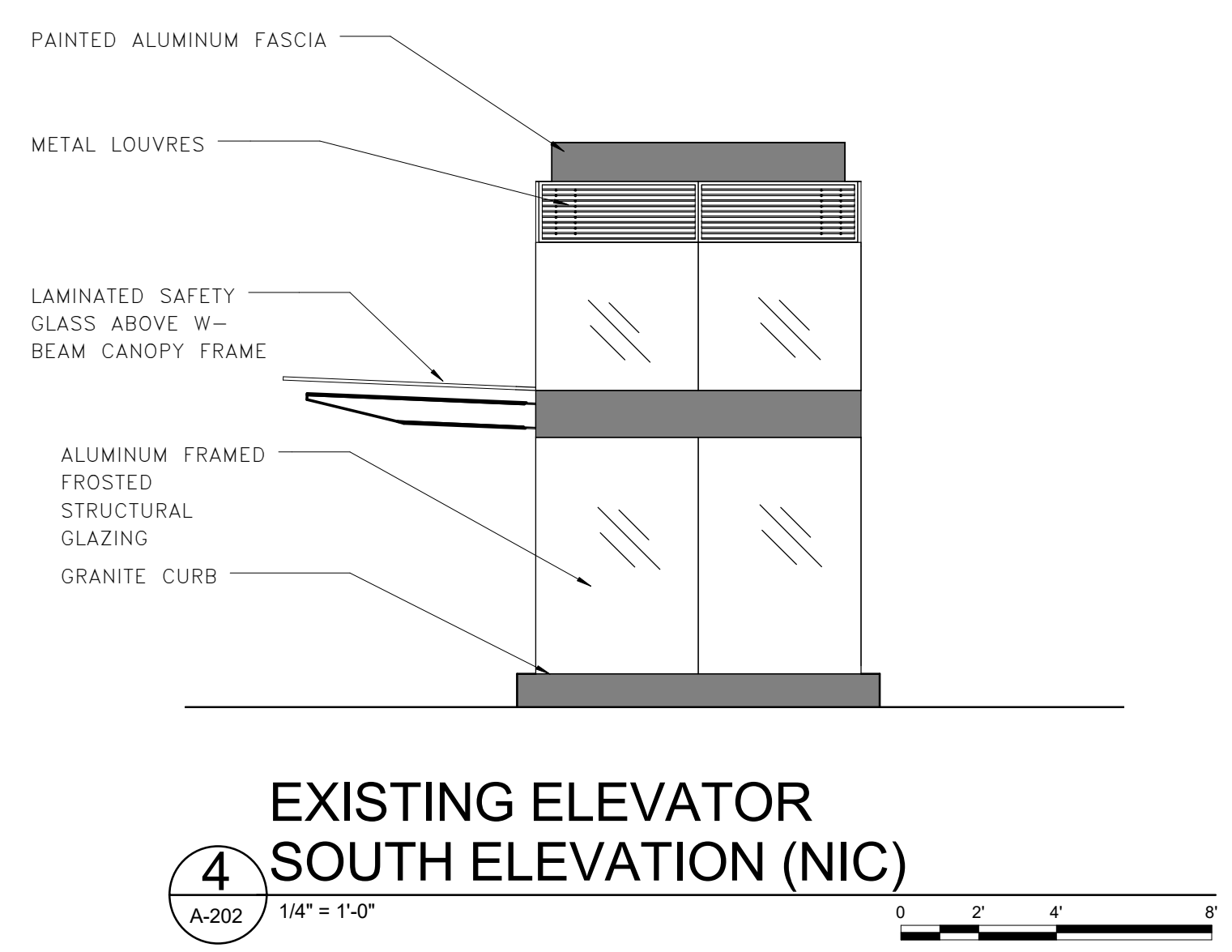
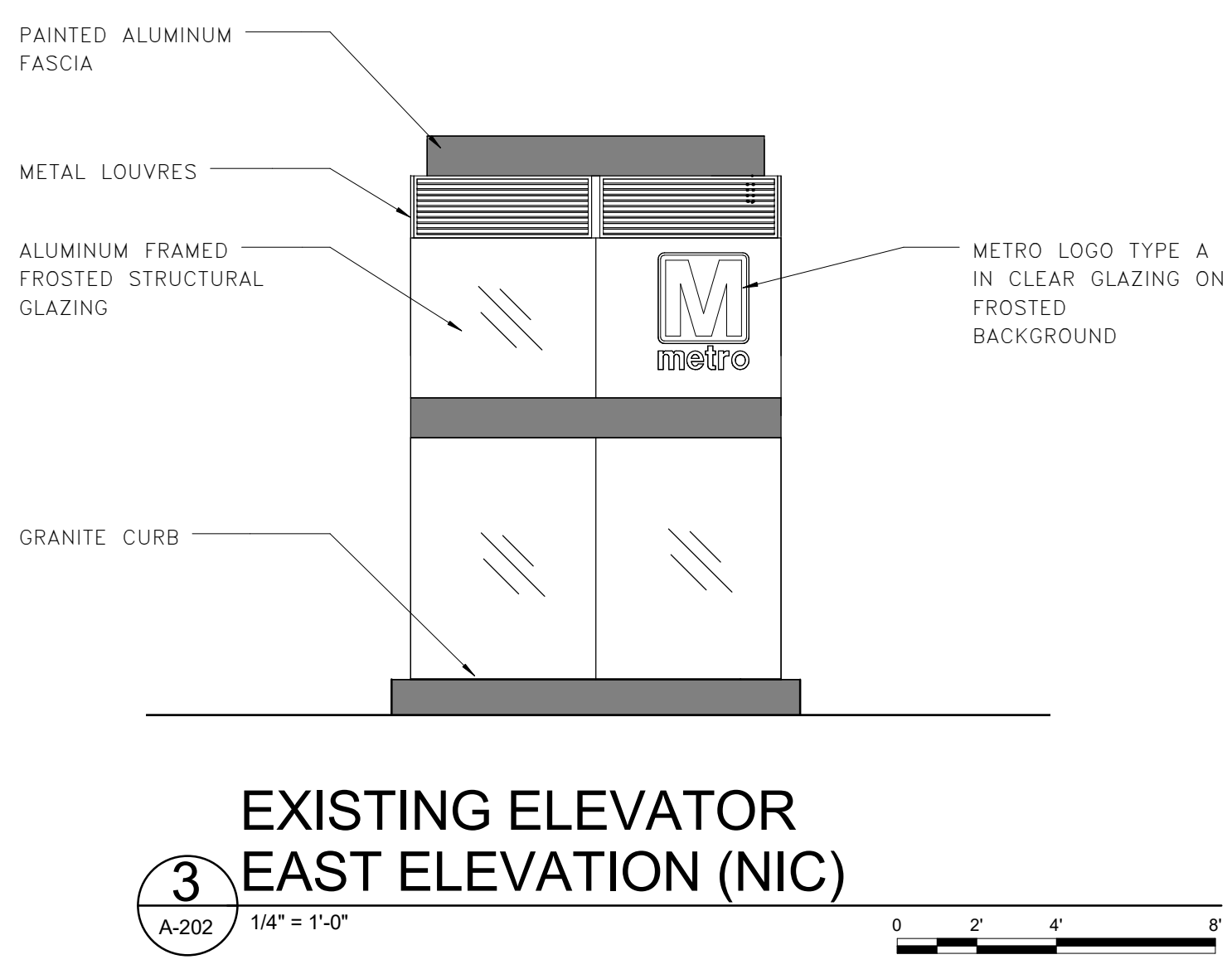
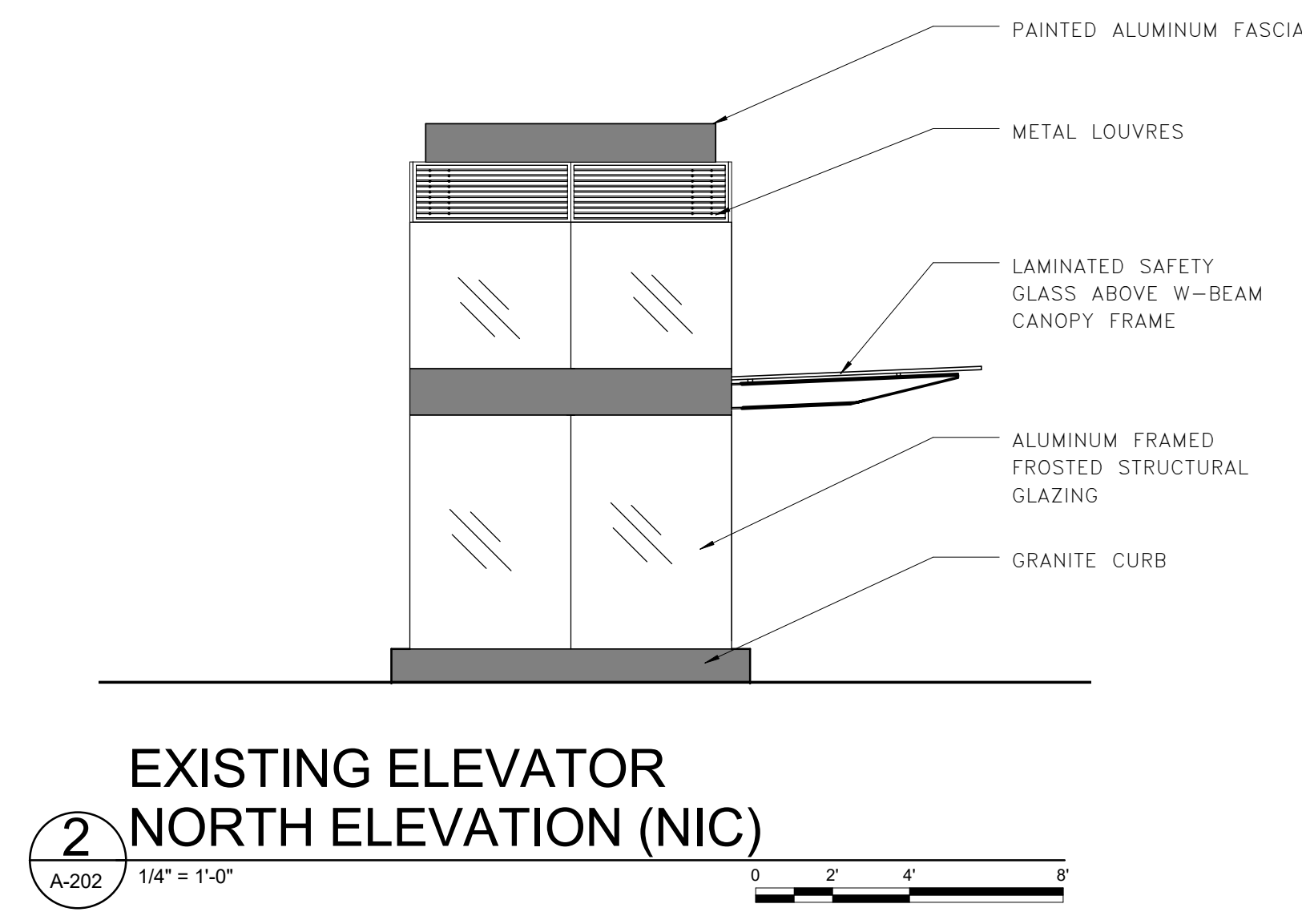
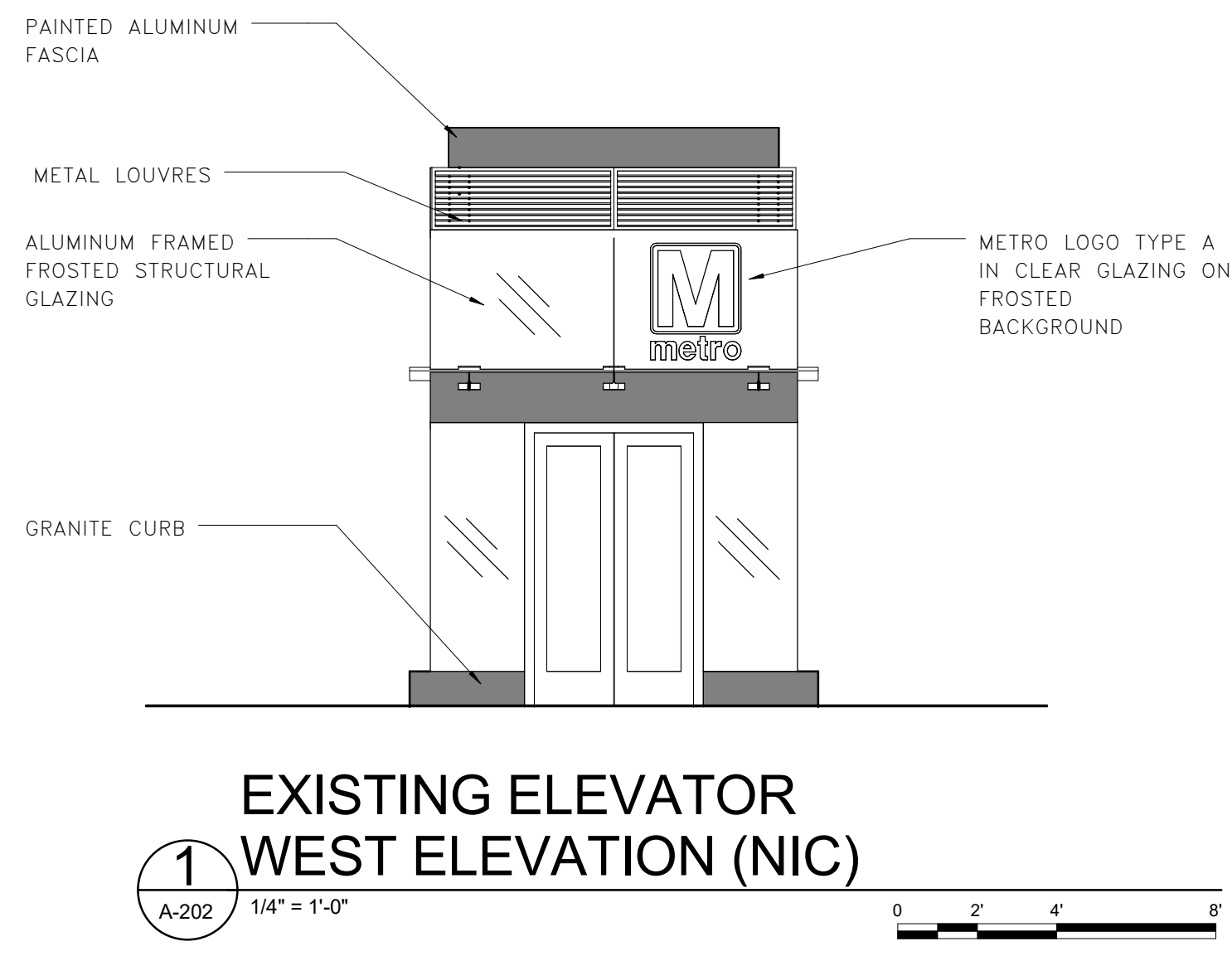
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Elevator Project**  
East Head House Elevations  
South Hayes Street  
A-202

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Checked: PGS  
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Plotted by:

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

100% PLANS - FOR CONSTRUCTION



**NOT IN CONTRACT**



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

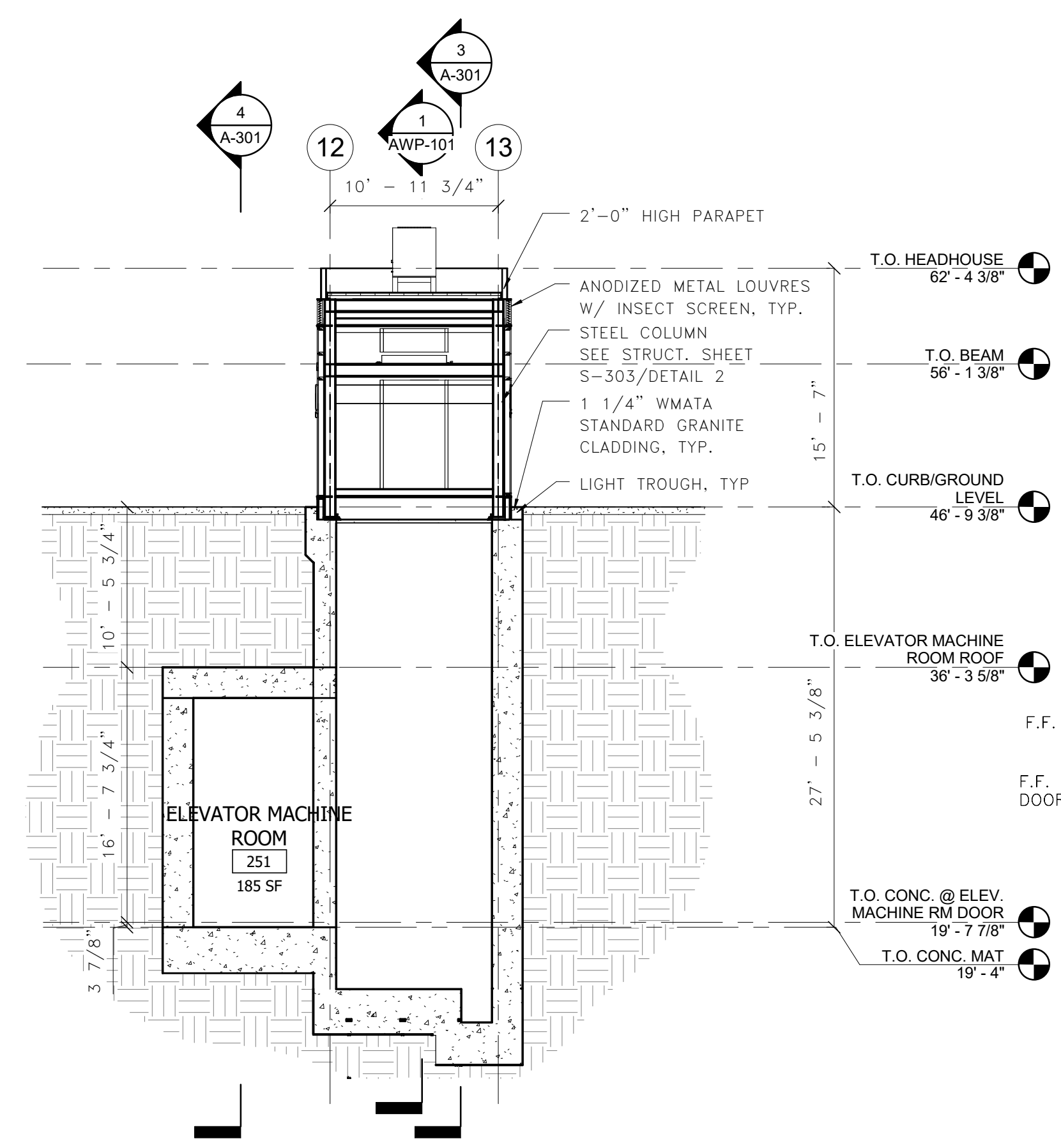
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**Pentagon City Station  
Elevator Project**  
West Elevator Building Sections  
South Hayes Street  
A-301

Designed: LJ  
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Checked: HS  
Miss Utility Transmittal #:

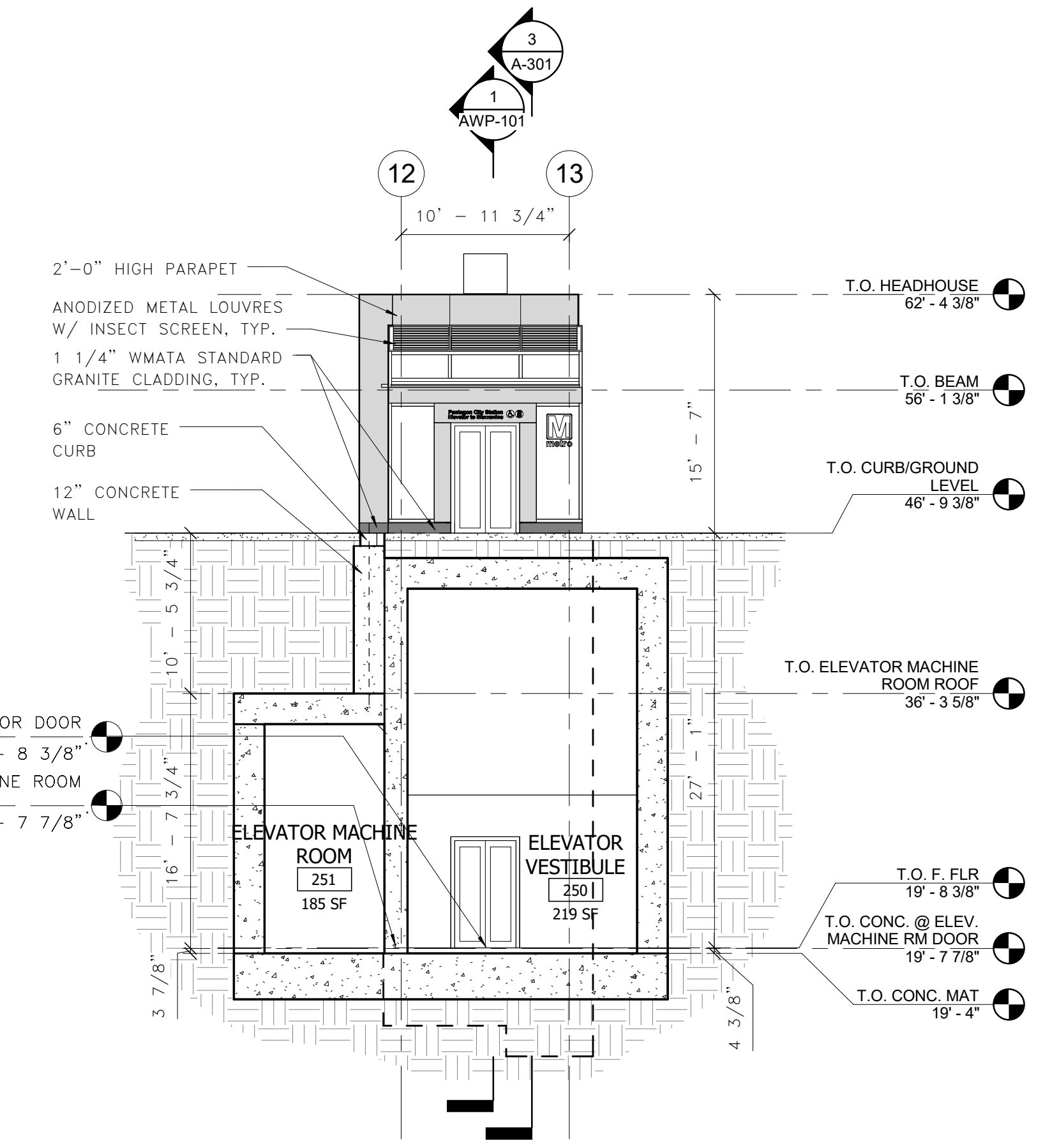
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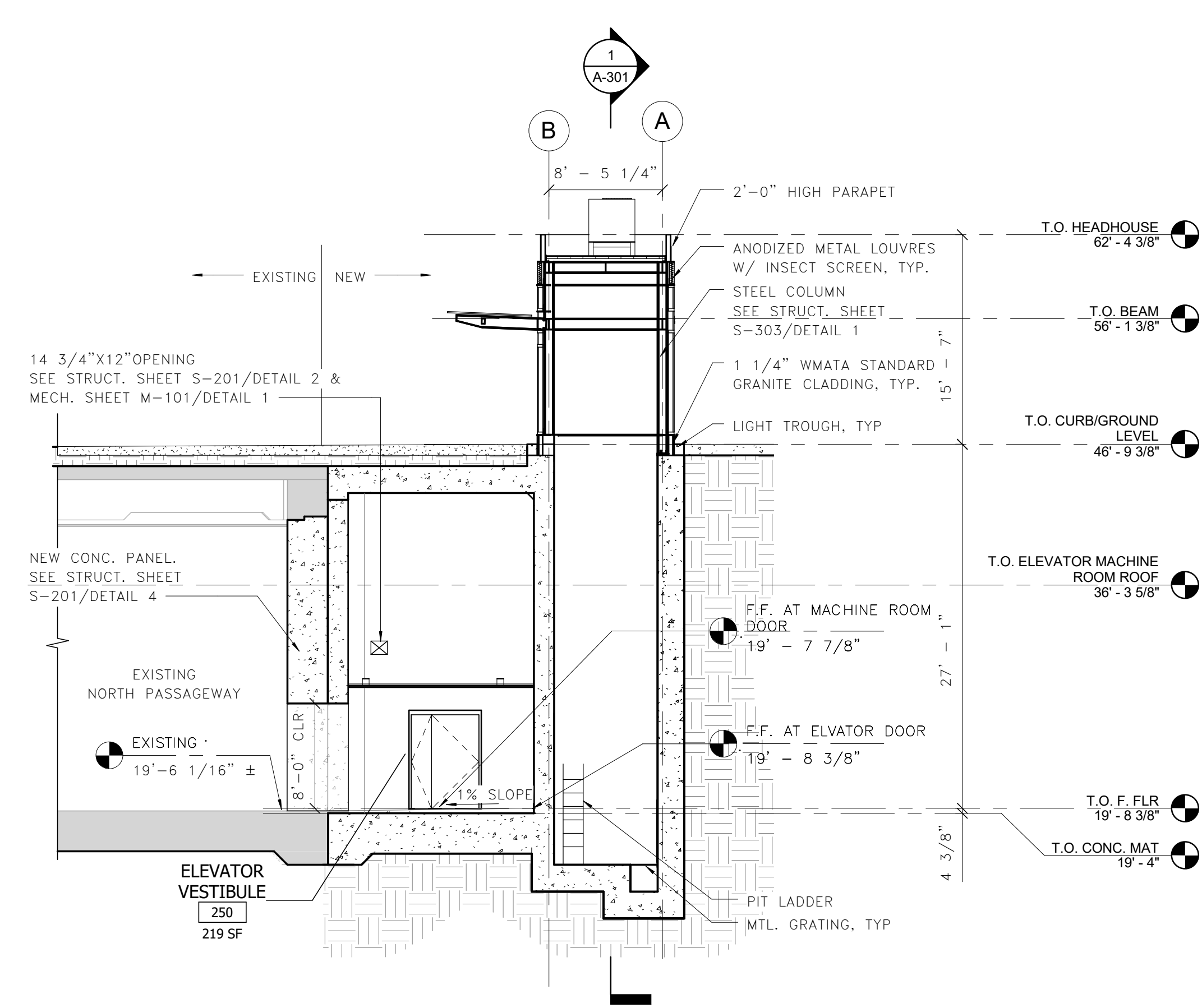
100% PLANS - FOR CONSTRUCTION



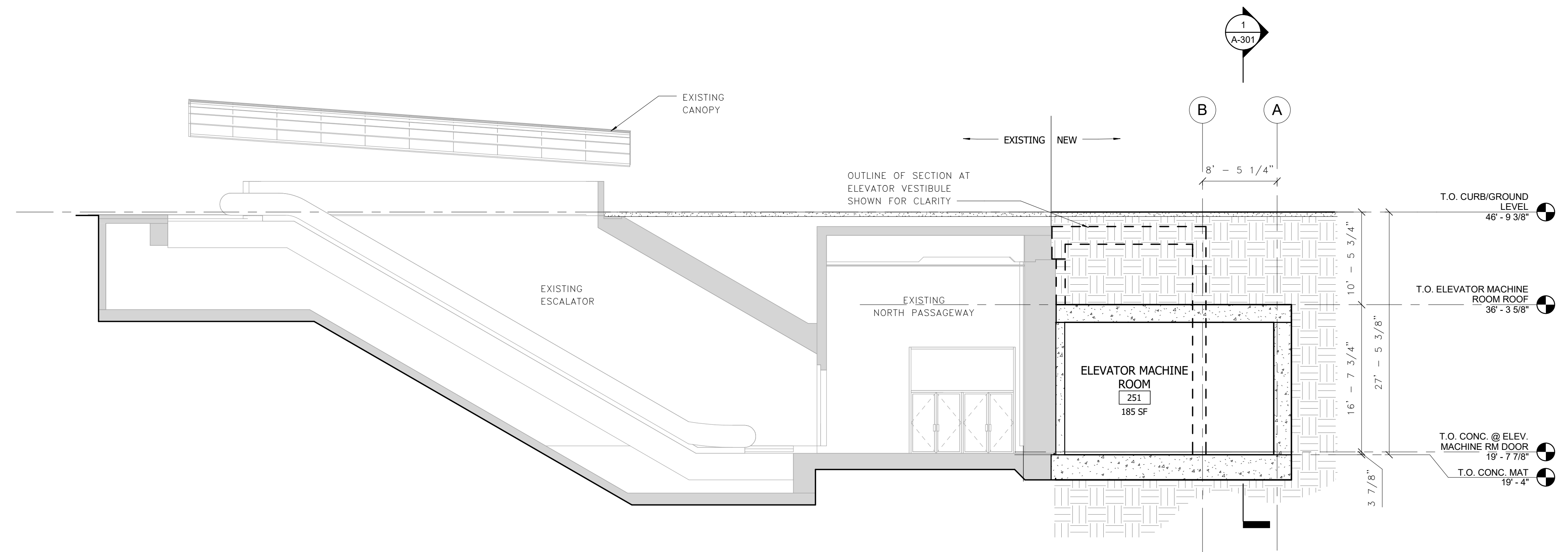
**1** LONGITUDINAL ELEVATOR SECTION @ ELEVATOR SHAFT  
A-301 1/8" = 1'-0"



**2** ELEVATOR SECTION @ ELEVATOR SHAFT  
A-301 1/8" = 1'-0"



**3** ELEVATOR SECTION @ KNOCK-OUT PANEL.  
A-301 1/8" = 1'-0"



**4** ELEVATOR SECTION @ MACHINE ROOM  
A-301 1/8" = 1'-0"

Seal



Approvals Date

WMATA PROJECT MANAGER \_\_\_\_\_

FD&C BUREAU CHIEF \_\_\_\_\_

FD&C PROJECT MANAGER \_\_\_\_\_

TRANSIT BUREAU CHIEF \_\_\_\_\_

TRANSIT PROJECT MANAGER \_\_\_\_\_

WATER, SEWER STREETS BUREAU CHIEF \_\_\_\_\_

TRANSPORTATION DIRECTOR \_\_\_\_\_

Revisions Date

ISSUED FOR CONSTRUCTION 11-20-2020

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Drawn: zs

Checked: LJ

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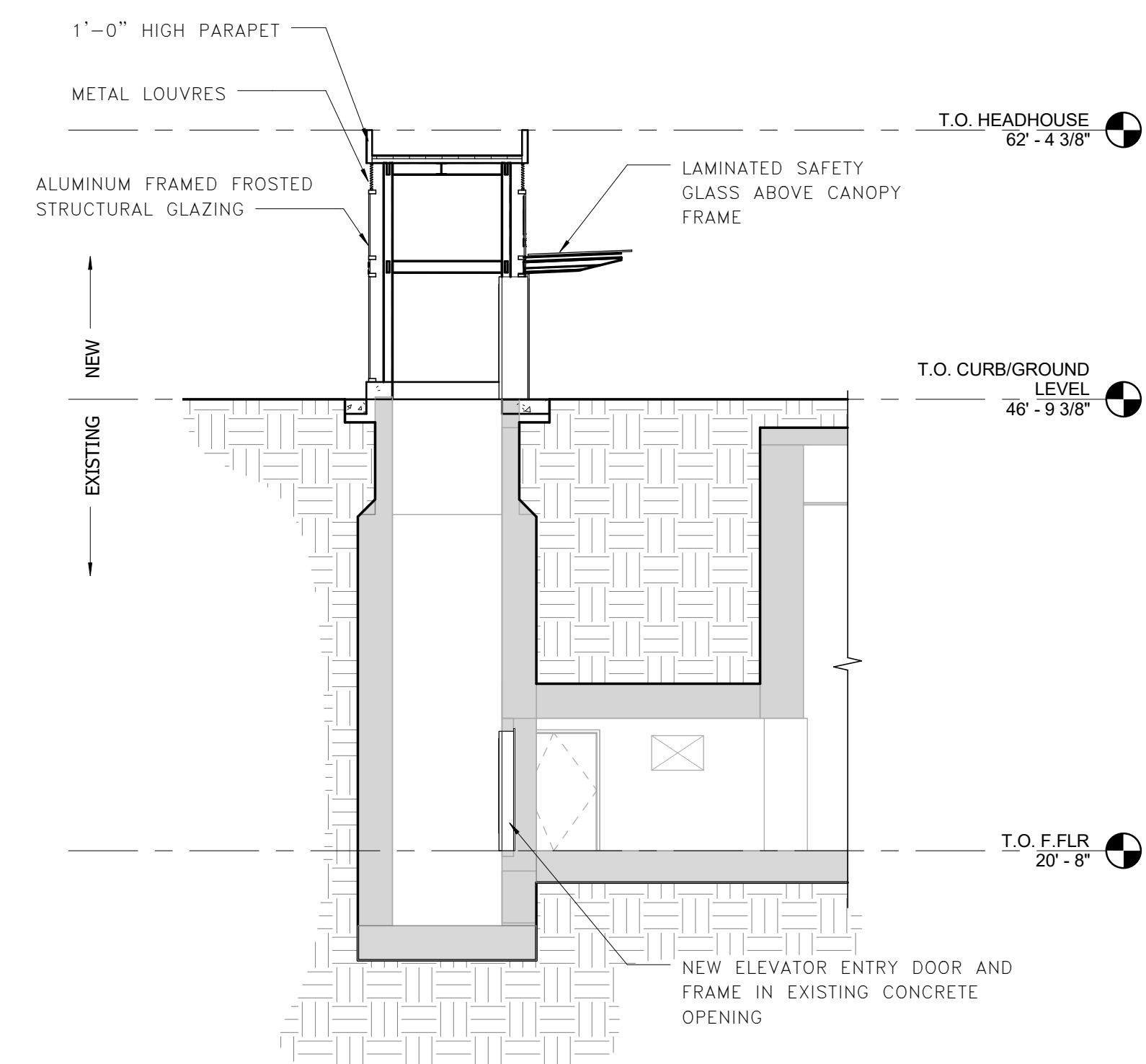
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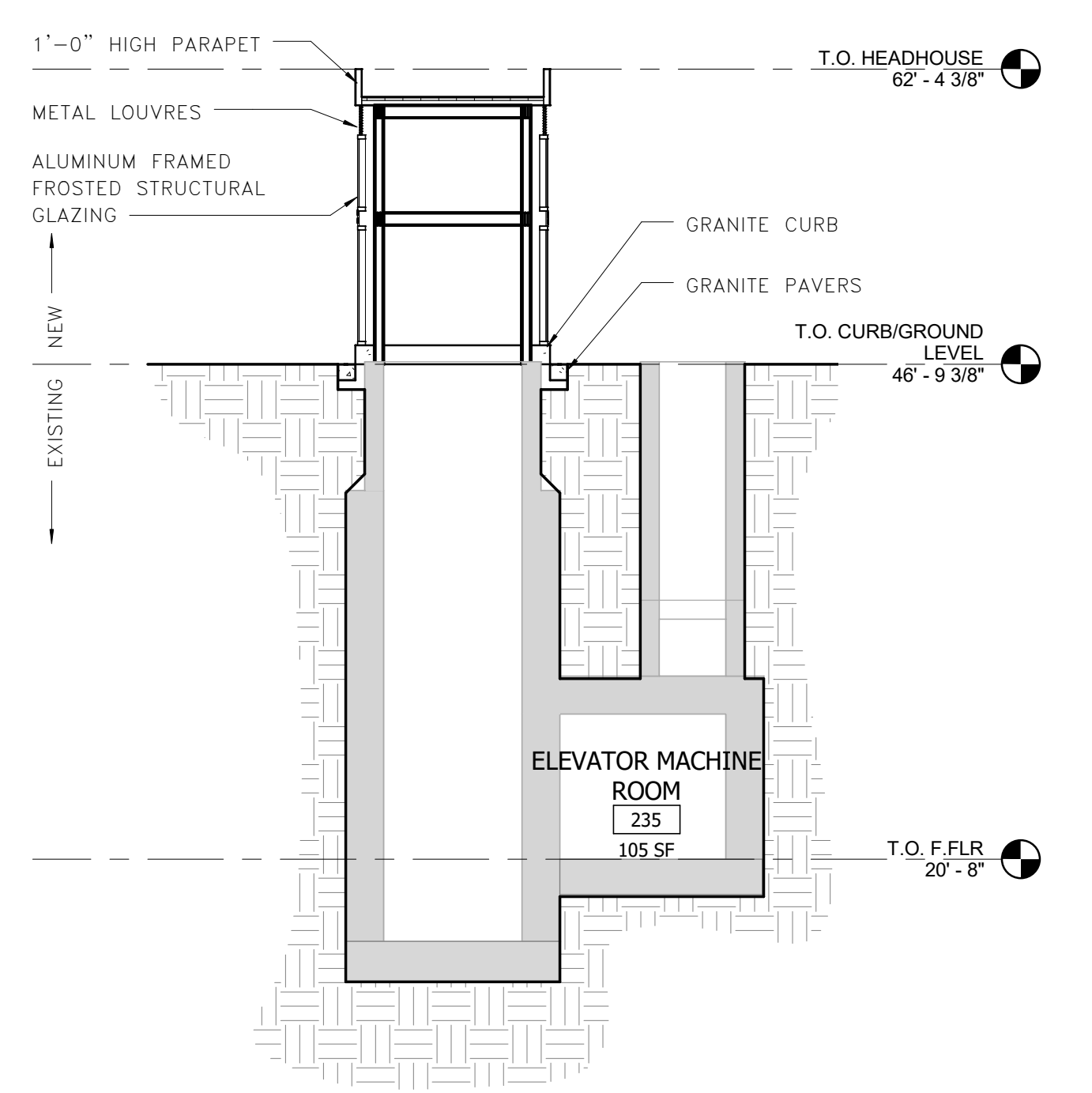
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100% PLANS - FOR CONSTRUCTION

Sheet 21 OF 68



**1**  
EXISTING ELEVATOR SECTION @ VESTIBULE (NIC)  
A-302 1/8" = 1'-0"  
0 4' 8' 16'



**2**  
EXISTING ELEVATOR SECTION @ ELEV. SHAFT (NIC)  
A-302 1/8" = 1'-0"  
0 4' 8' 16'

**NOT IN CONTRACT**



Approvals \_\_\_\_\_ Date \_\_\_\_\_

WMATA PROJECT MANAGER \_\_\_\_\_

FD&C BUREAU CHIEF \_\_\_\_\_

FD&C PROJECT MANAGER \_\_\_\_\_

TRANSIT BUREAU CHIEF \_\_\_\_\_

TRANSIT PROJECT MANAGER \_\_\_\_\_

WATER, SEWER STREETS BUREAU CHIEF \_\_\_\_\_

TRANSPORTATION DIRECTOR \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

ISSUED FOR CONSTRUCTION 11-20-2020

Project Name and Location  
**Pentagon City Station  
Elevator Project**  
Elevator Head House Sections  
South Hayes Street  
A-303

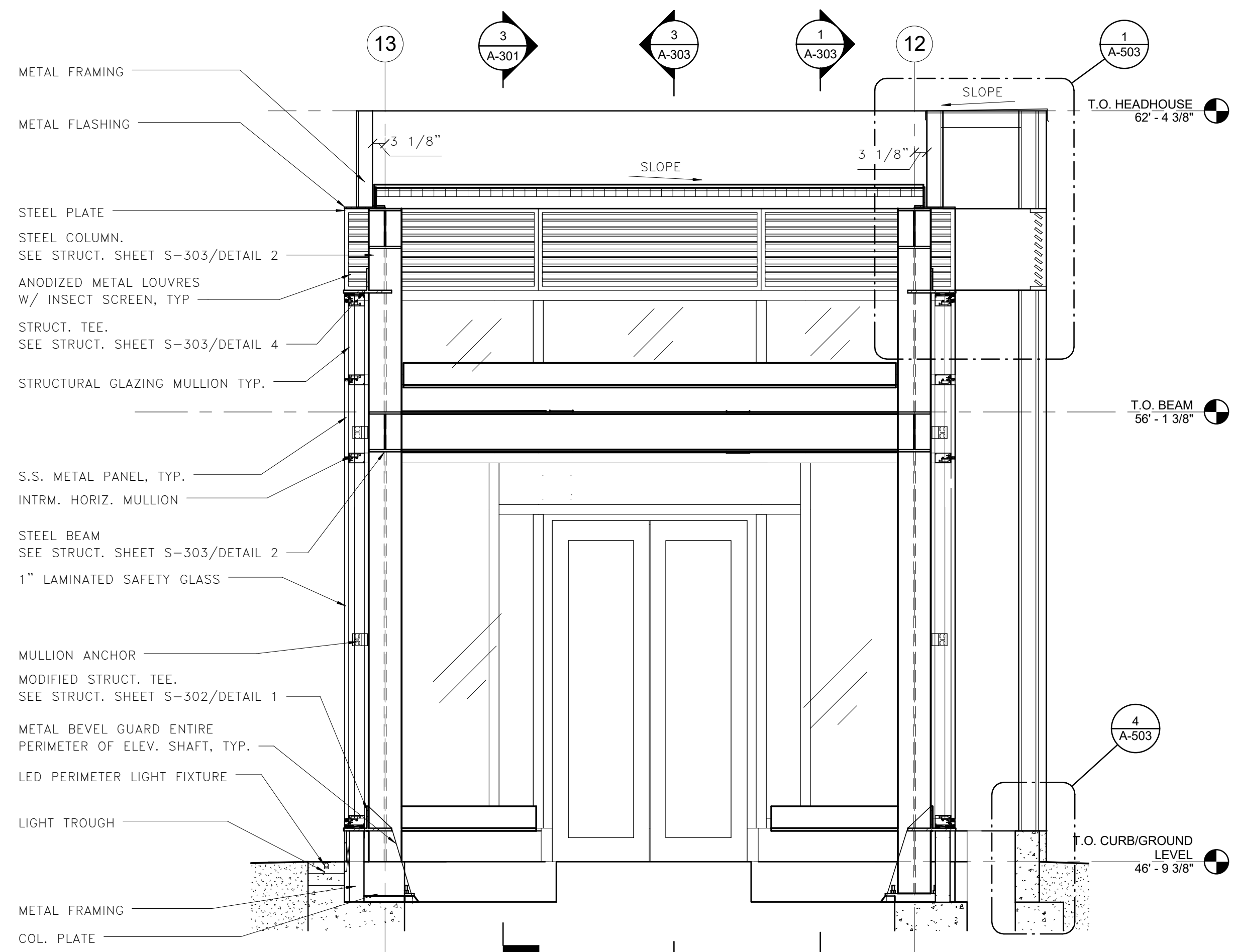
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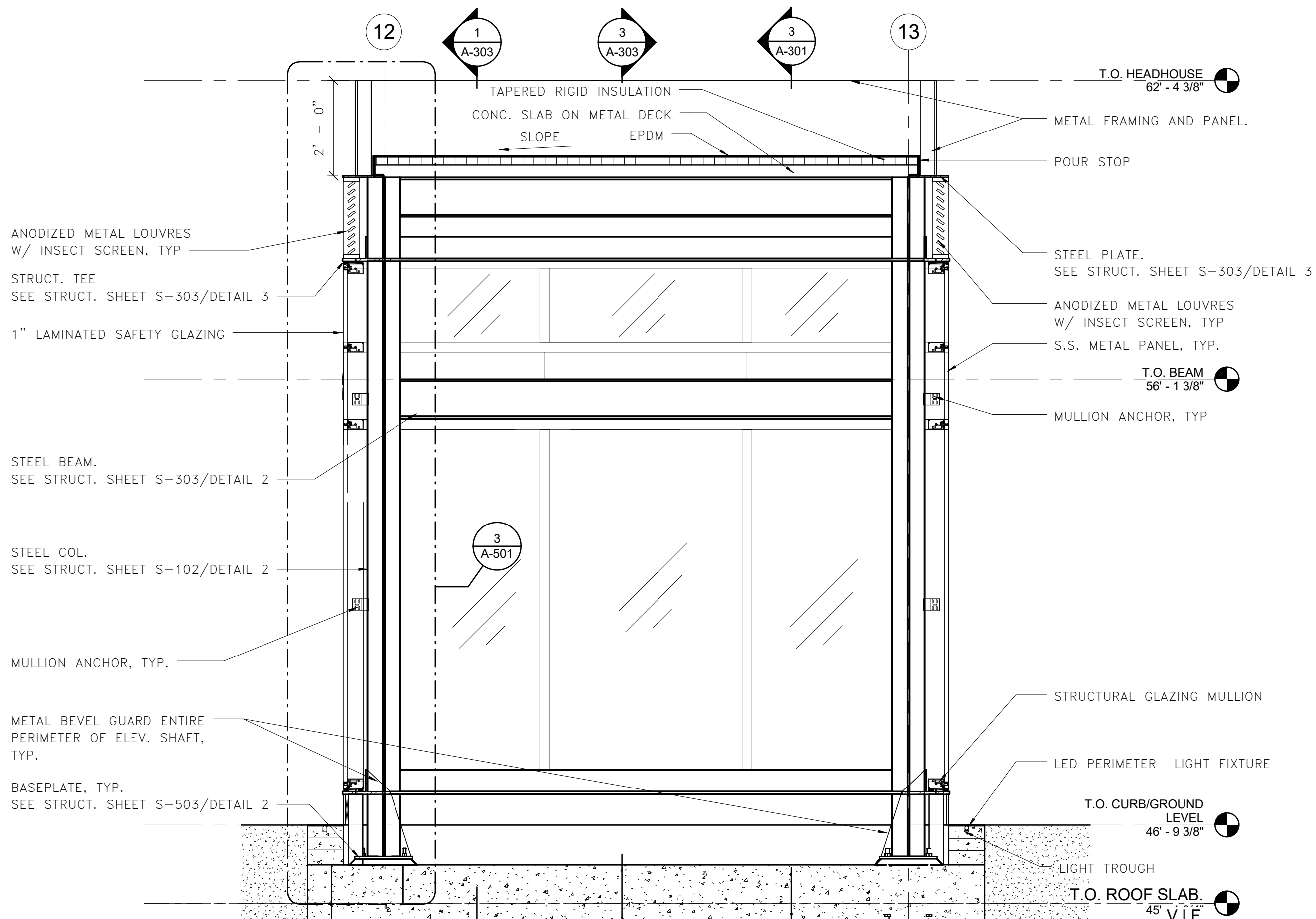
100% PLANS - FOR CONSTRUCTION

Sheet 22 OF 68



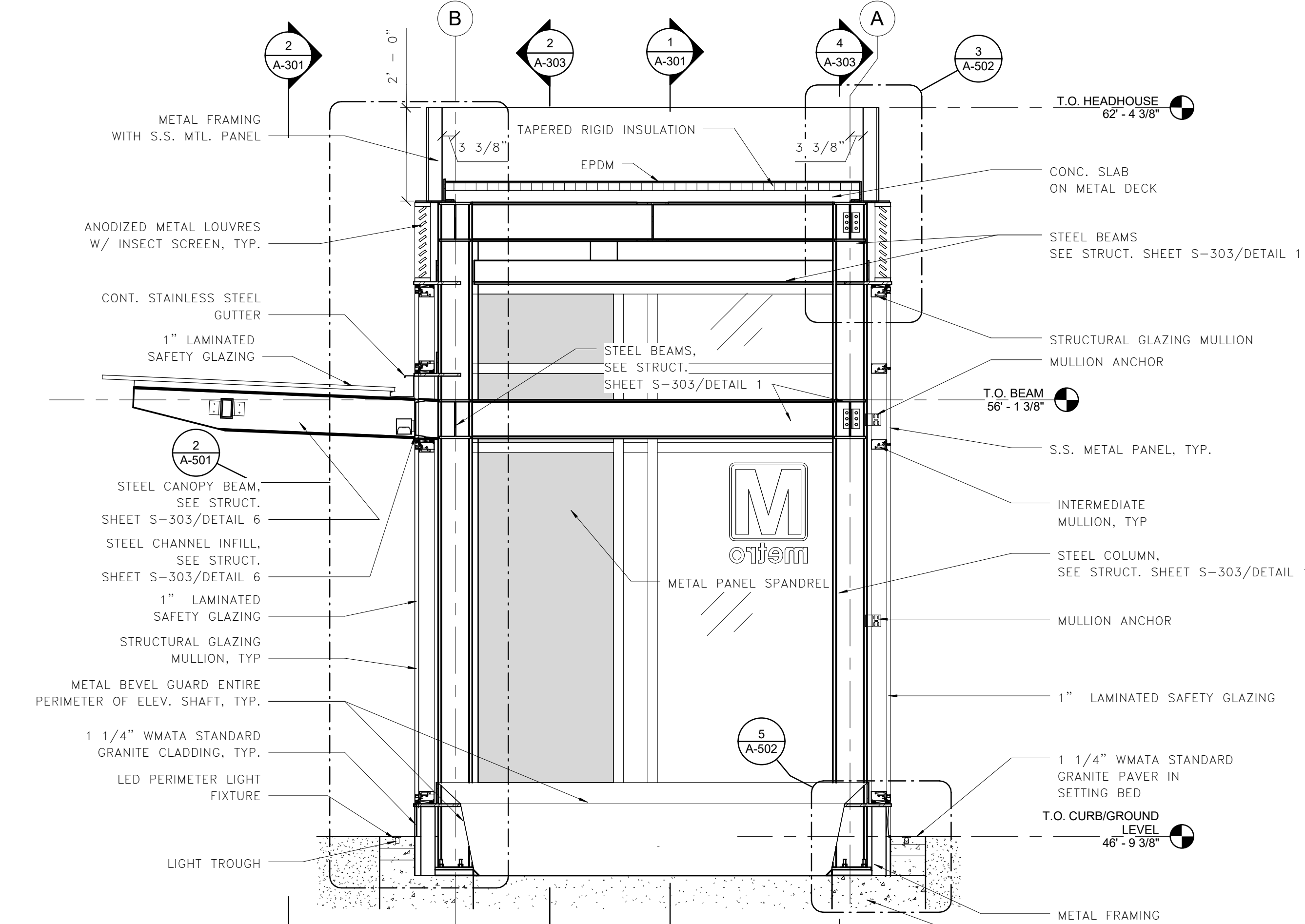
**2 LONG. SECTION @ ELEV HEADHOUSE DOOR**

A-303 1/2" = 1'-0"



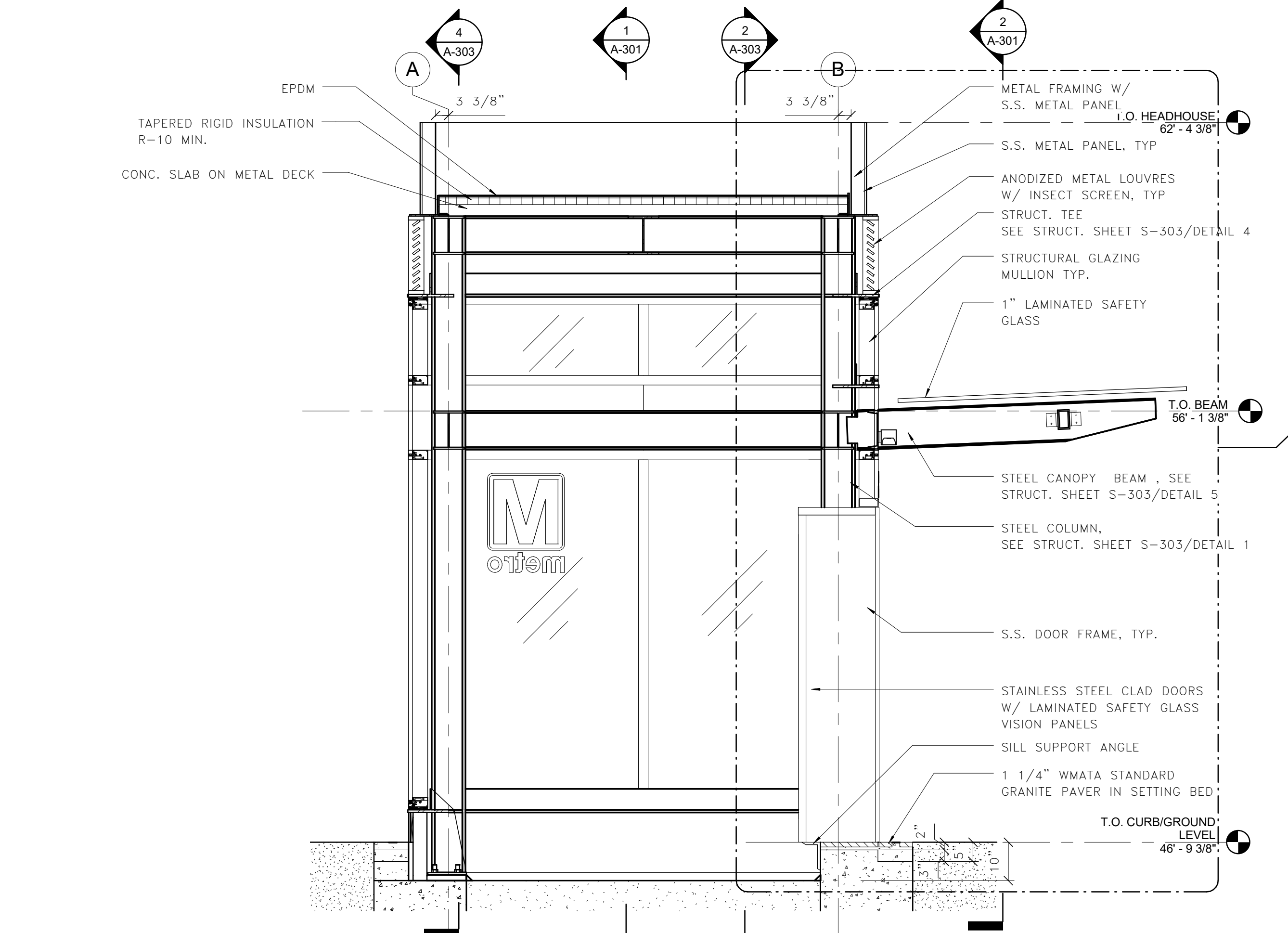
**4 LONG. SECTION @ ELEV HEADHOUSE**

A-303 1/2" = 1'-0"



**1 SECTION @ CURB**

A-303 1/2" = 1'-0"



**3 SECTION @ ELEVATOR DOOR**

A-303 1/2" = 1'-0"



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WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

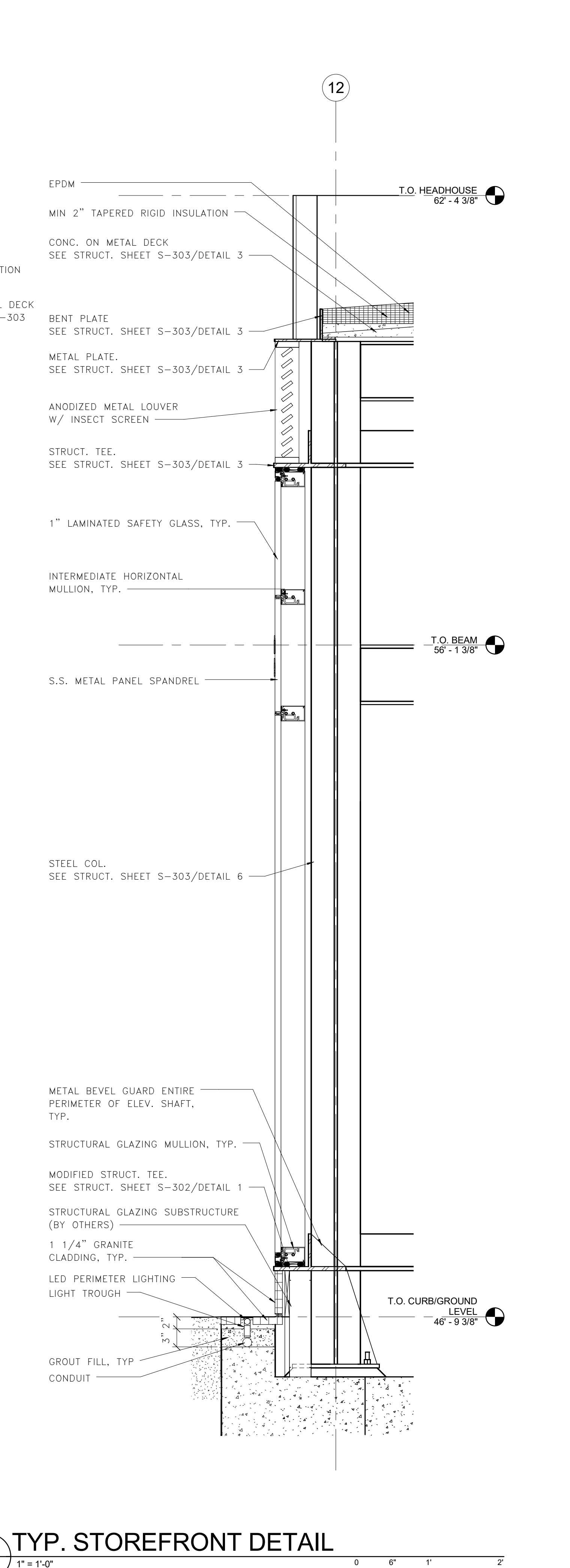
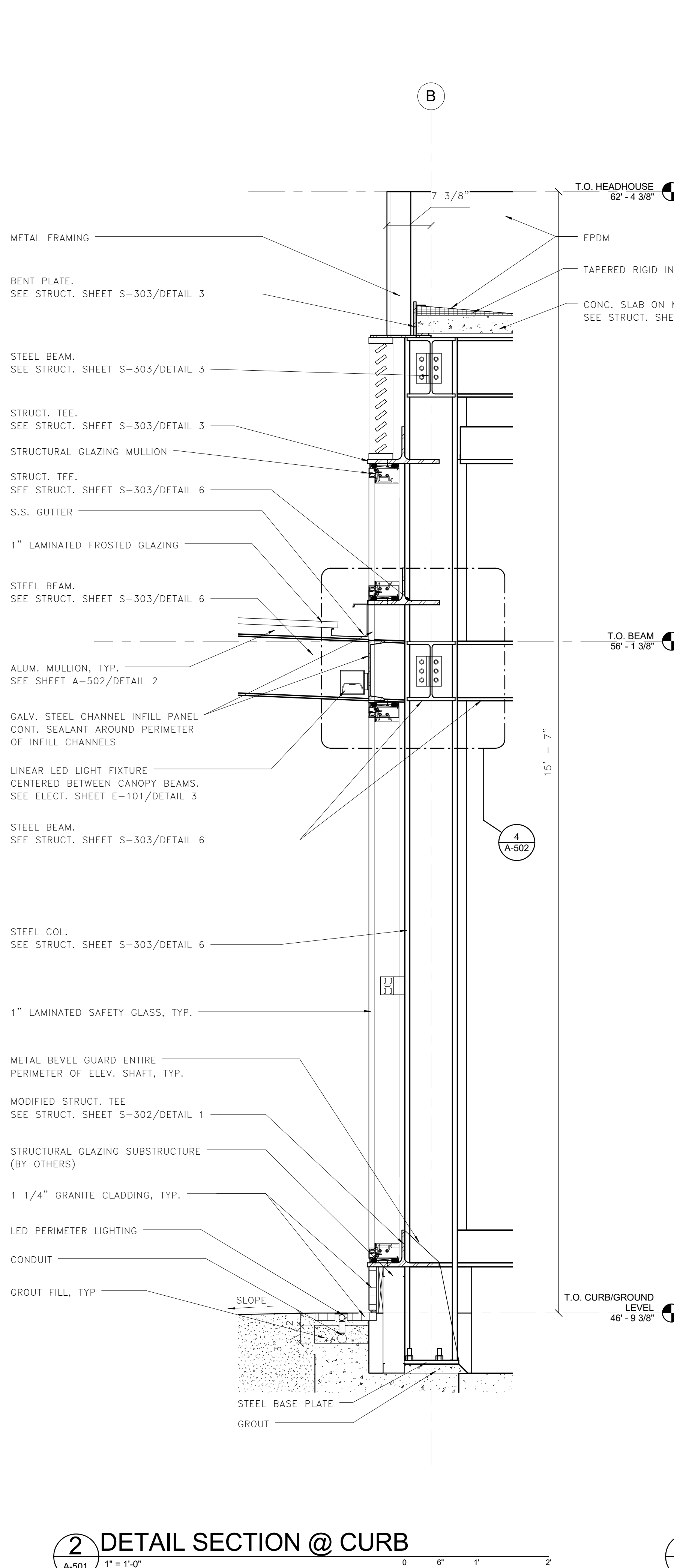
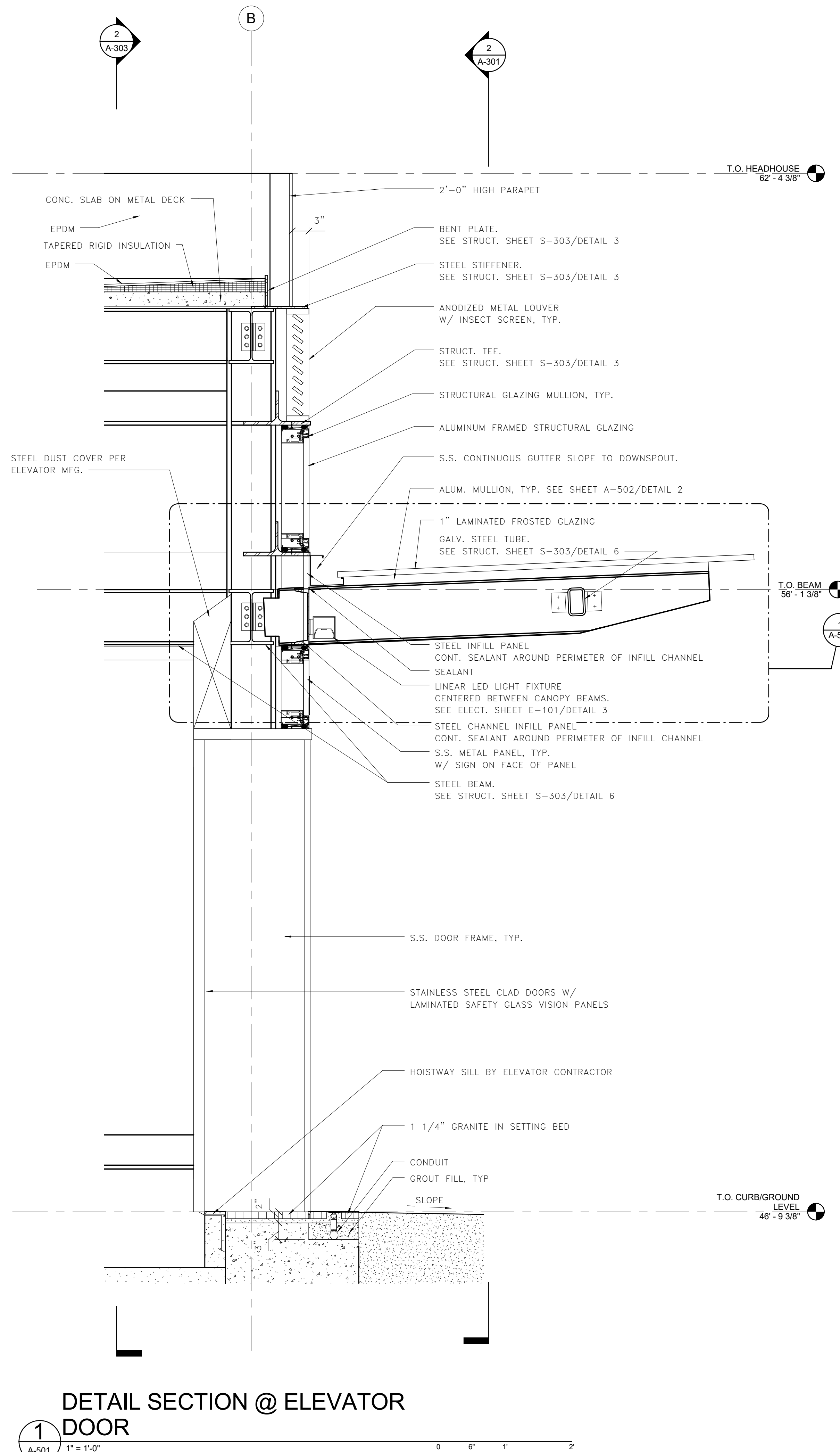
Project Name and Location  
**Pentagon City Station  
Elevator Project**  
Elevator Headhouse Details  
South Hayes Street  
A-501

Designed: Designer  
Drawn: Author  
Checked: Checker  
Miss Utility Transmittal #:

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Scale: 1" = 1'-0"

100% PLANS - FOR CONSTRUCTION



**1** DETAIL SECTION @ ELEVATOR DOOR

**2** DETAIL SECTION @ CURB

**3** TYP. STOREFRONT DETAIL





Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

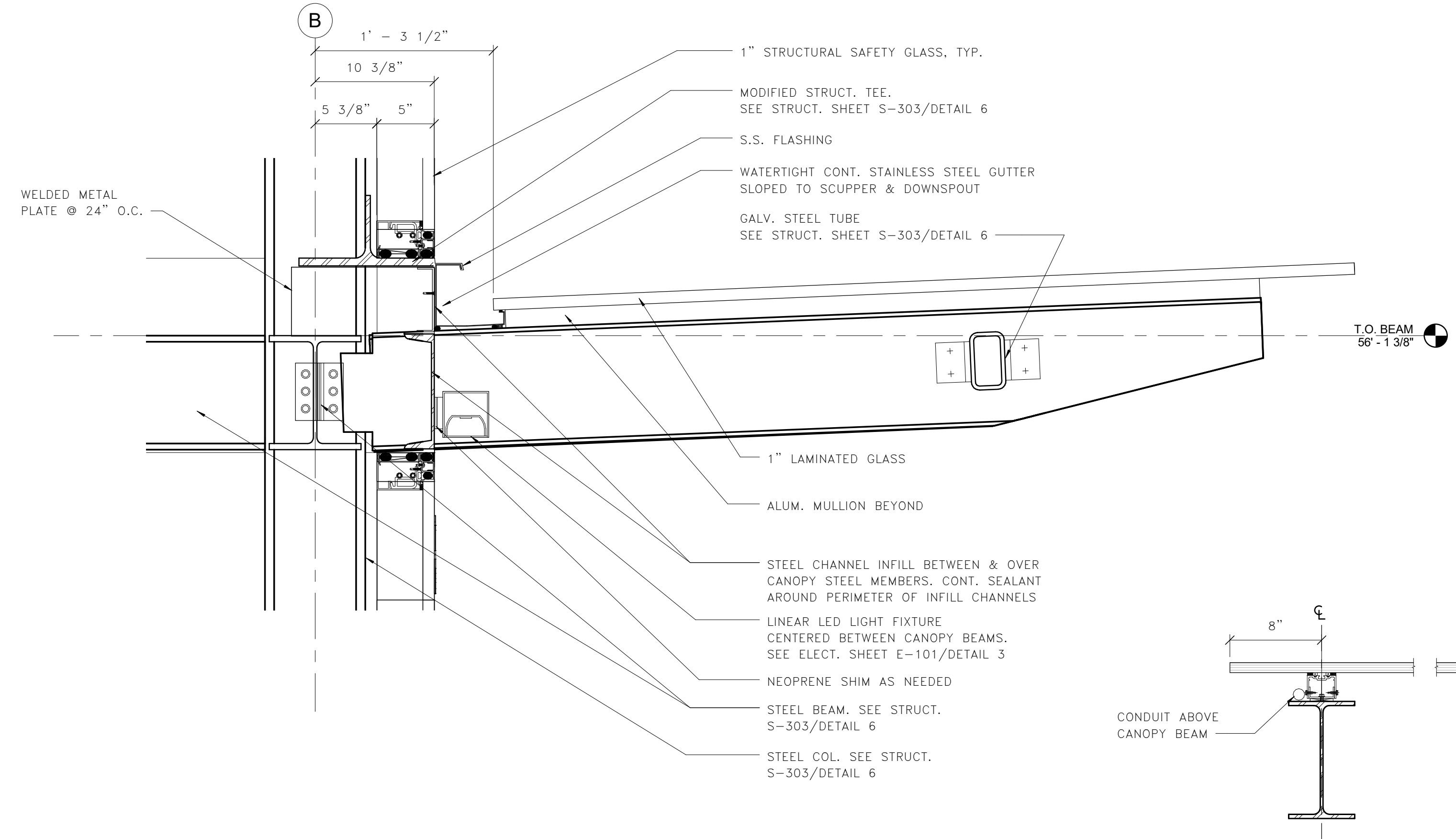
Project Name and Location  
**Pentagon City Station  
Elevator Project**  
Elevator Headhouse Elevation Details  
South Hayes Street  
A-502

Designed: Designer  
Drawn: Author  
Checked: Checker  
Miss Utility Transmittal #:

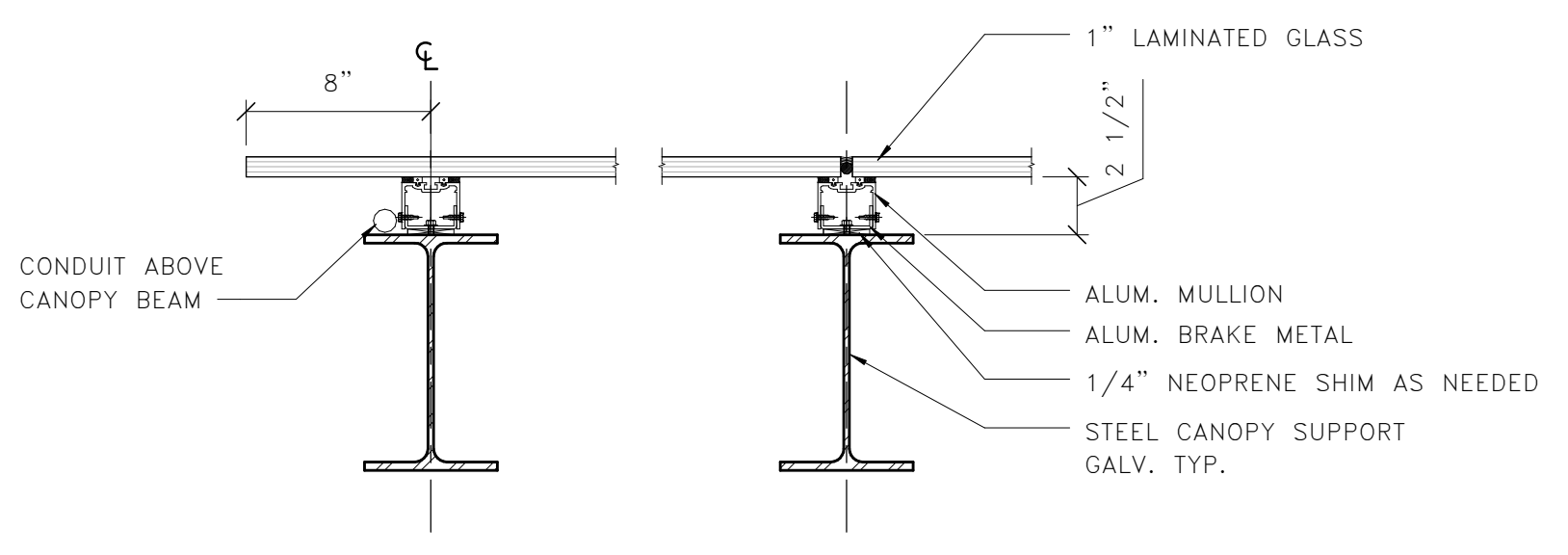
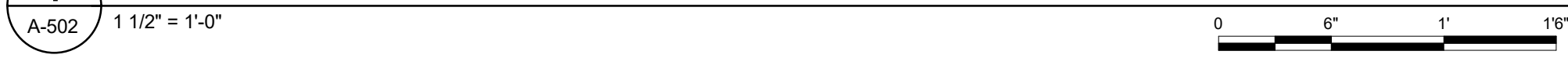
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Path: I:\Projects\2515872\  
Plotted: 5/5/2020 3:42:08 PM  
Plotted by:

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

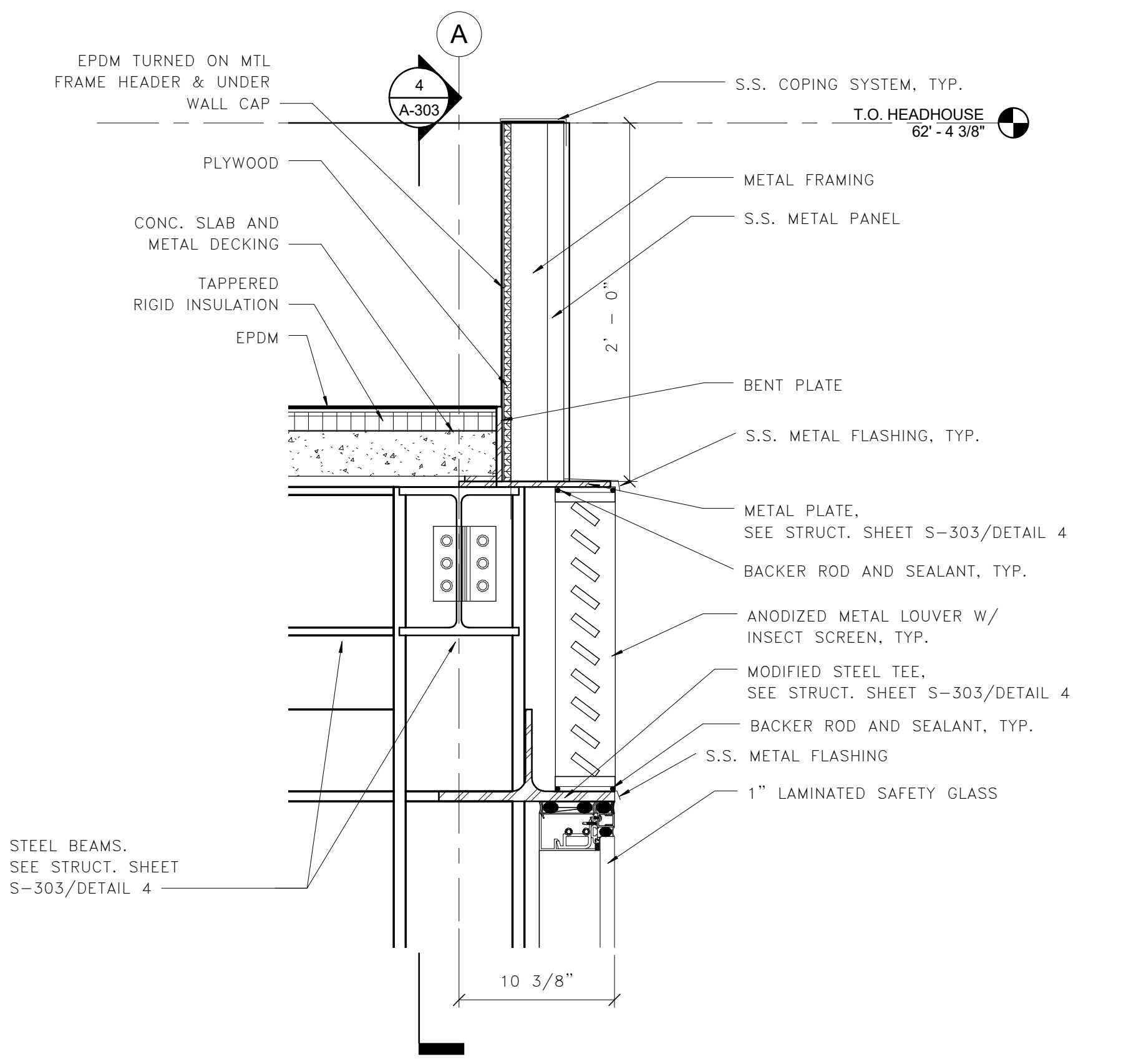
100% PLANS - FOR CONSTRUCTION



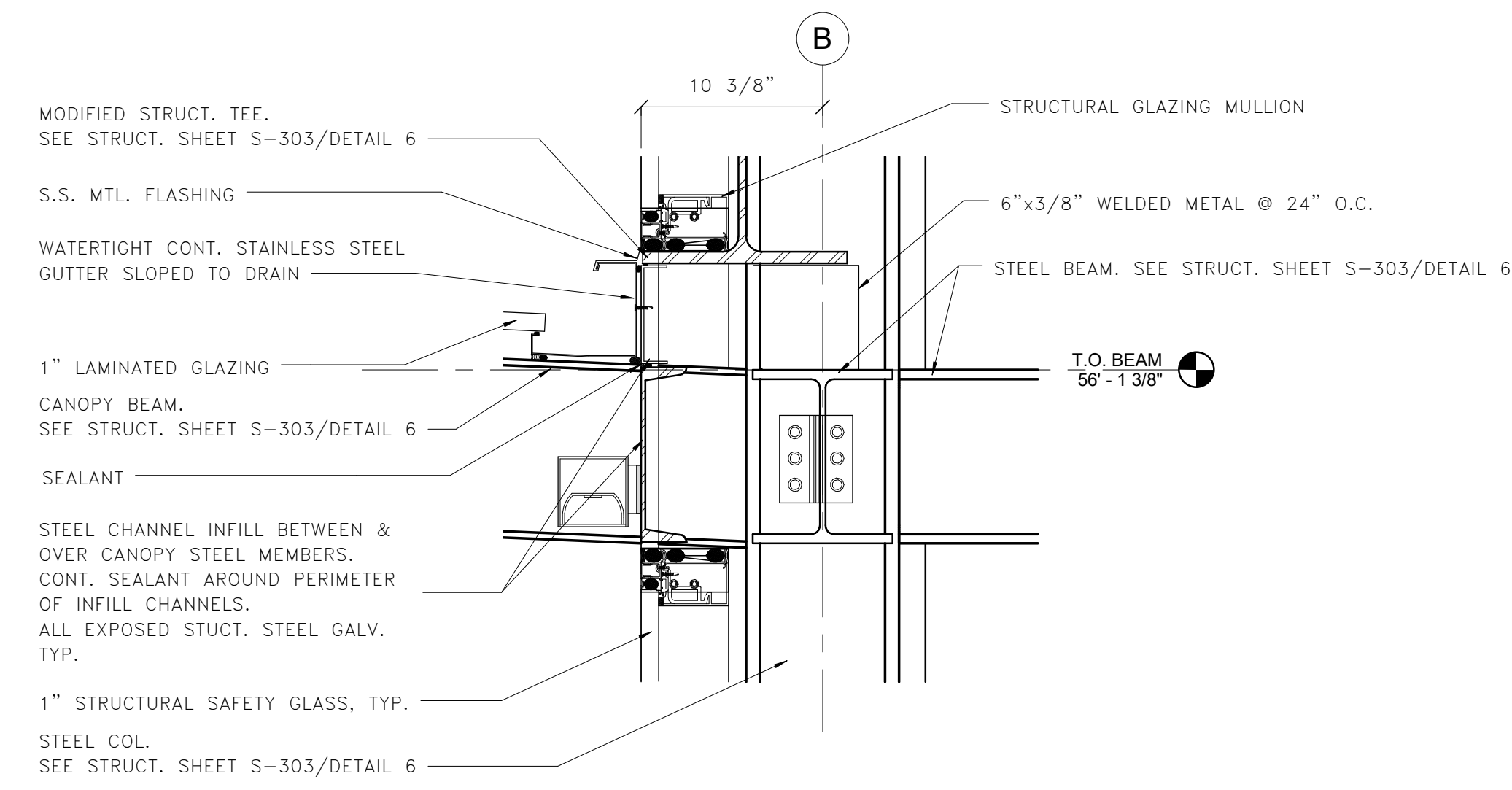
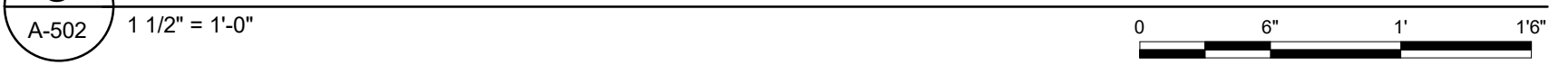
**1 SECTION @ ELEVATOR HEADHOUSE CANOPY**



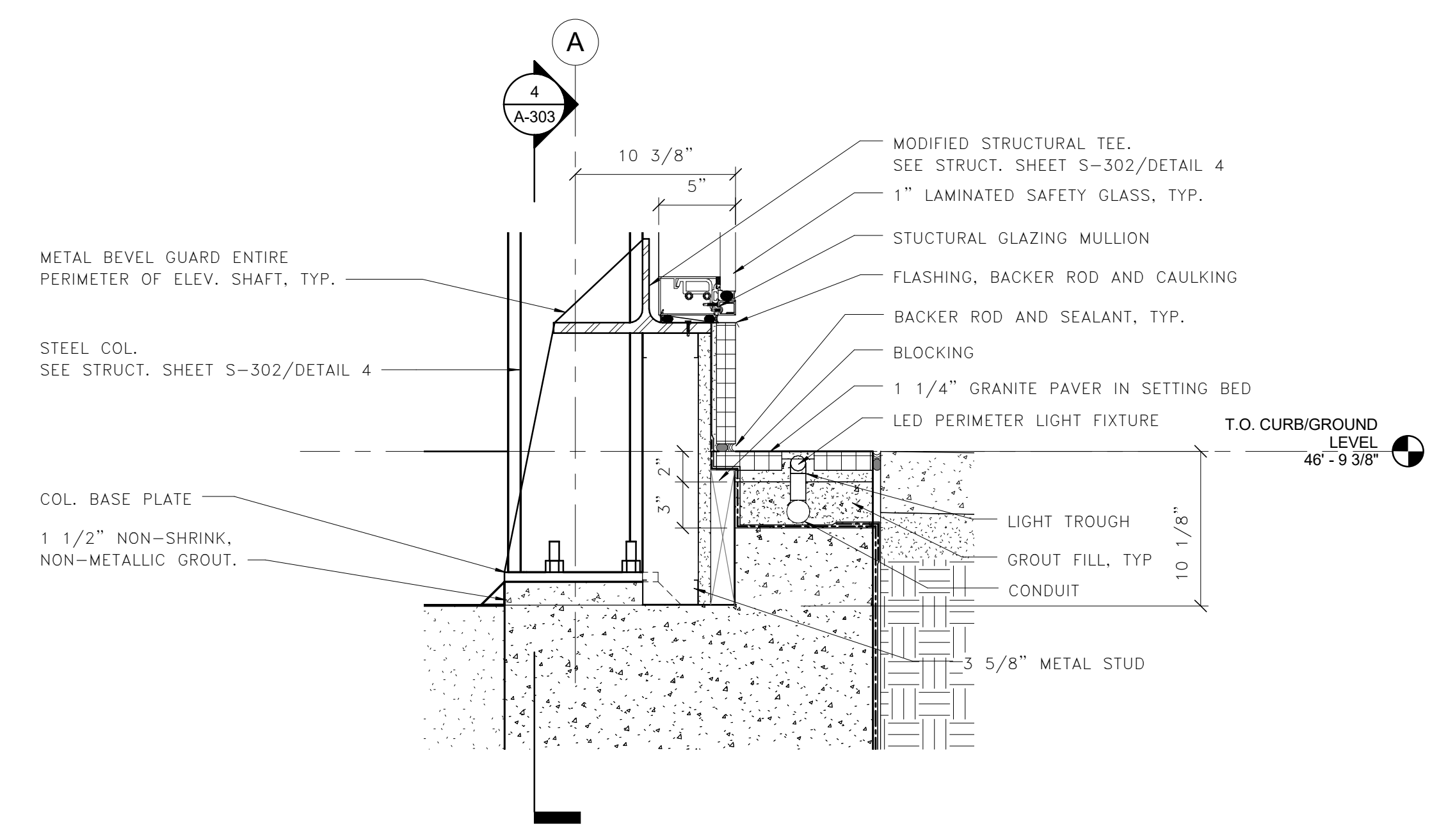
**2 SECTION @ CANOPY BEAM**



**3 TYPICAL**

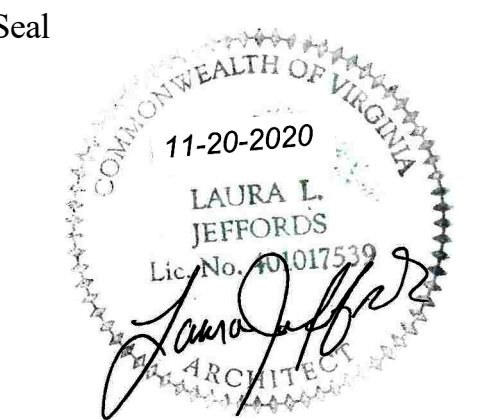


**4 DETAIL @ CANOPY FRAMING**



**5 DETAIL @ CURB**





Approvals \_\_\_\_\_ Date \_\_\_\_\_

WMATA PROJECT MANAGER \_\_\_\_\_

FD&C BUREAU CHIEF \_\_\_\_\_

FD&C PROJECT MANAGER \_\_\_\_\_

TRANSIT BUREAU CHIEF \_\_\_\_\_

TRANSIT PROJECT MANAGER \_\_\_\_\_

WATER, SEWER STREETS BUREAU CHIEF \_\_\_\_\_

TRANSPORTATION DIRECTOR \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

ISSUED FOR CONSTRUCTION 11-20-2020

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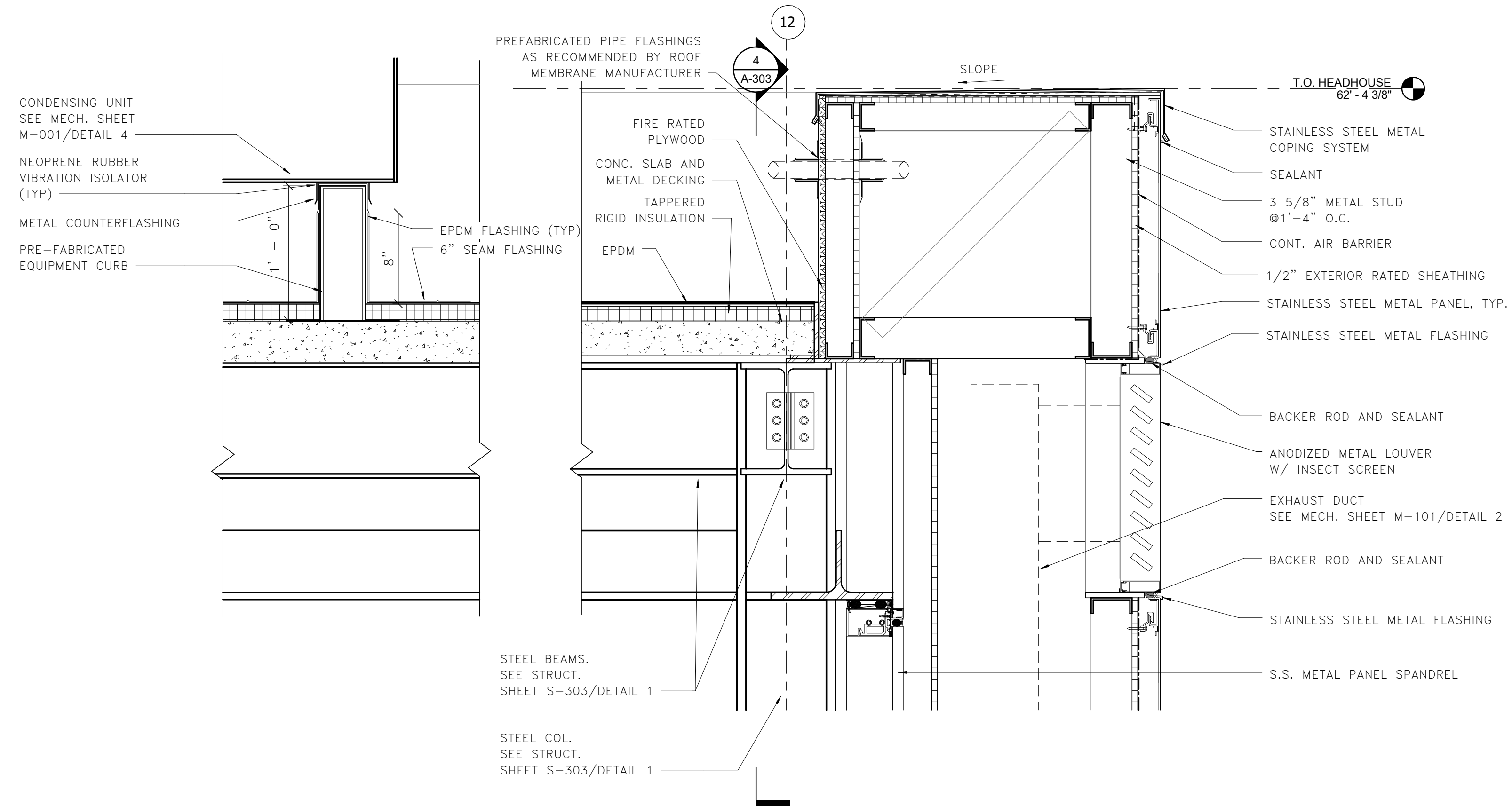
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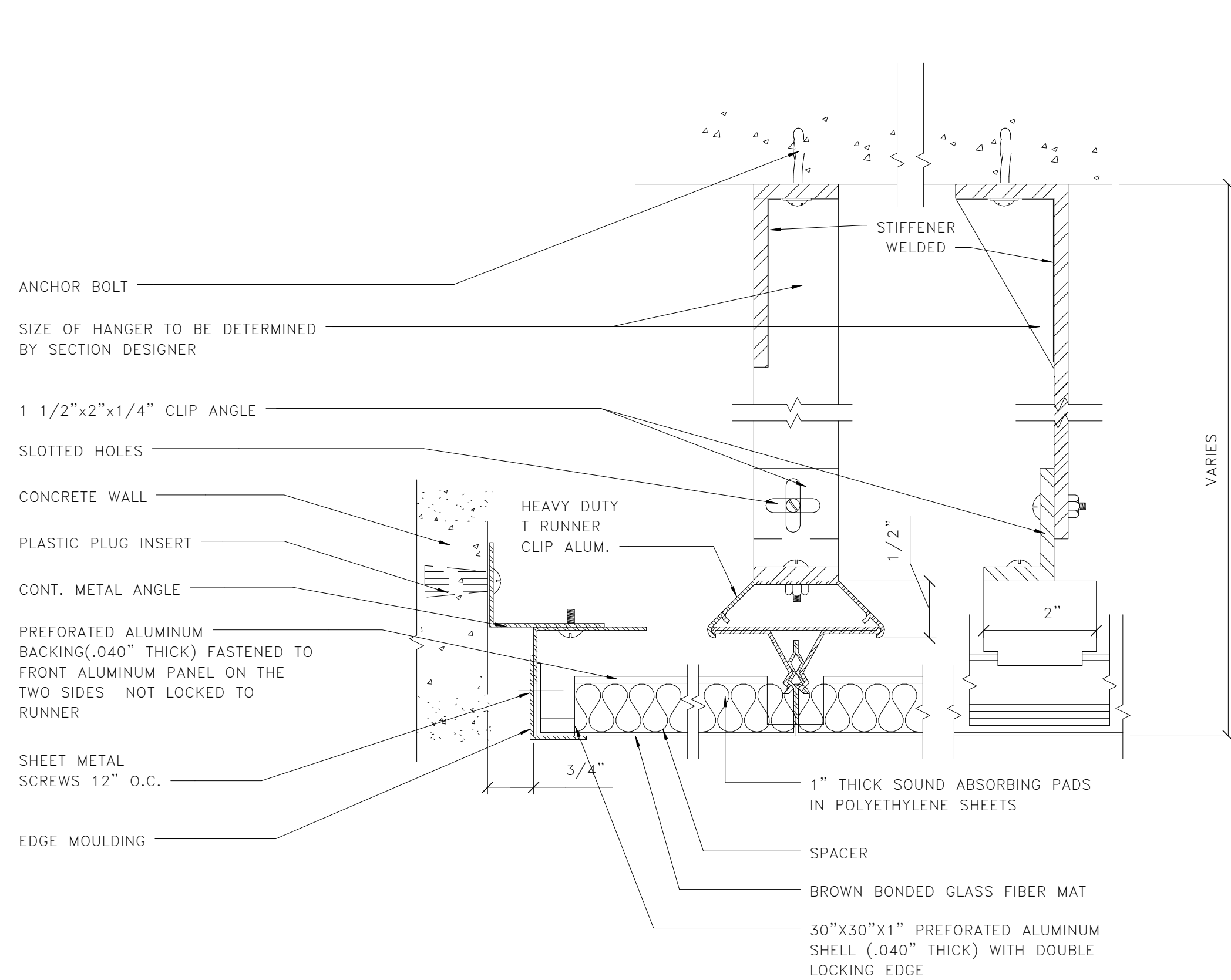
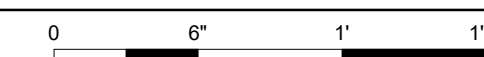
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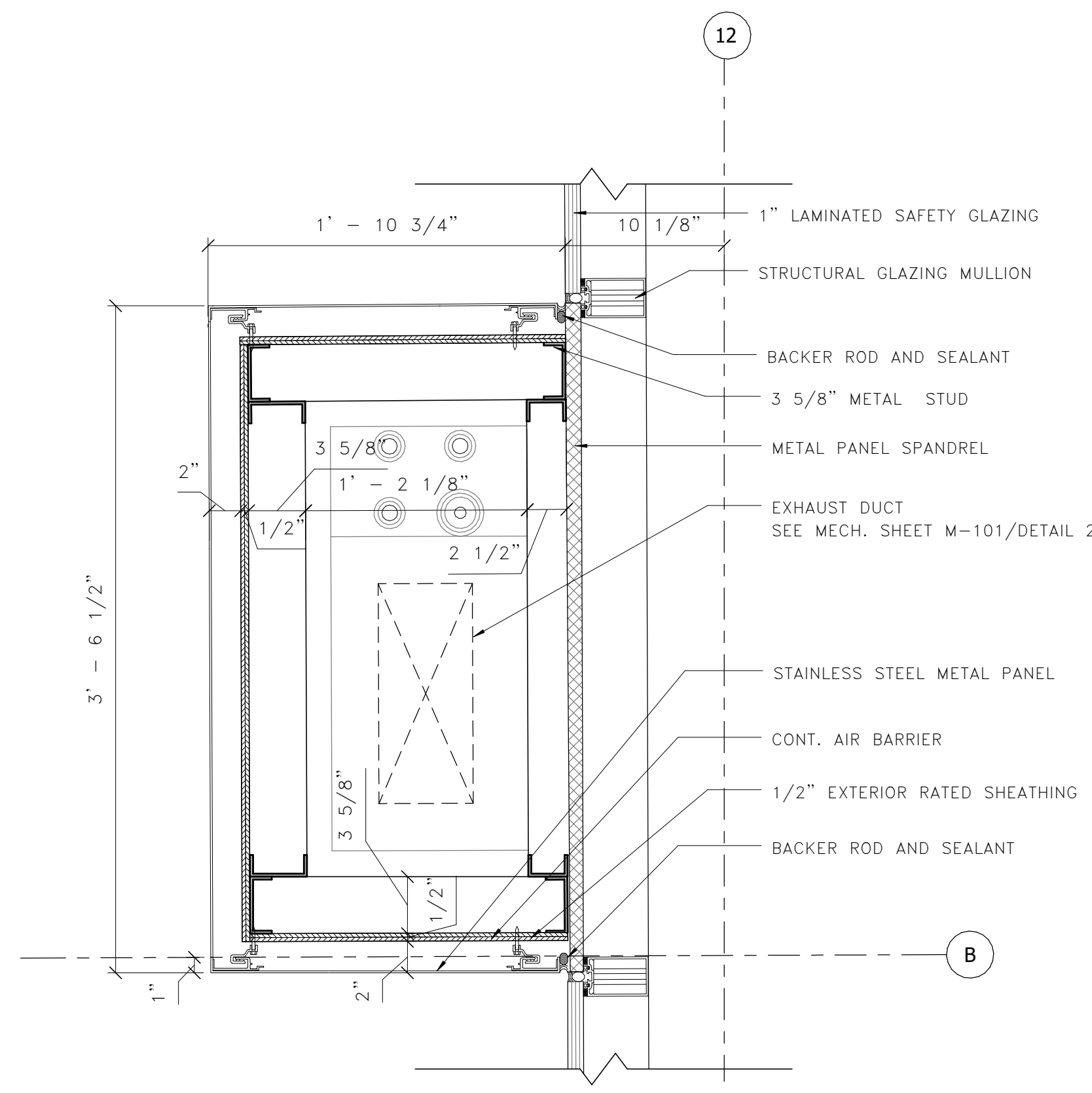
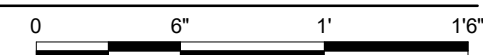
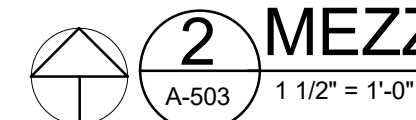
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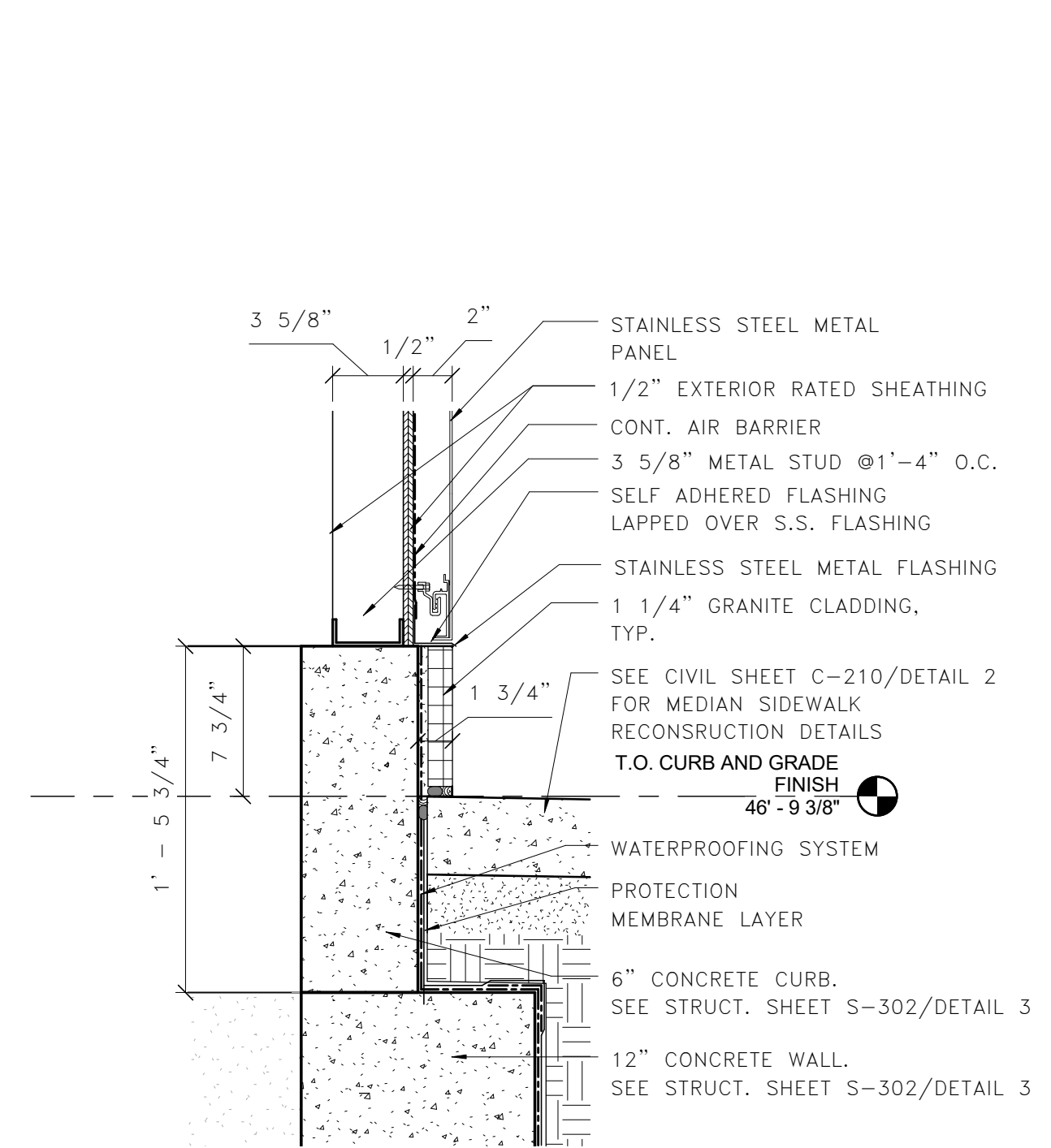
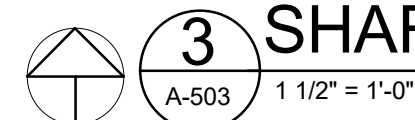
**DETAIL @ LOUVERS AND METAL PANEL WALL**



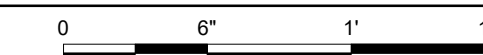
**2 MEZZANINE CEILING DETAIL**



**3 PLAN DETAIL AT EXHAUST SHAFT**



**4 SILL DETAIL AT EXHAUST SHAFT**



Project Name and Location  
**Pentagon City Station  
Elevator Project**  
West Elevator Headhouse Details  
South Hayes Street  
A-503

Designed: AK  
Drawn: AK  
Checked: HS  
Miss Utility Transmittal #:

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Plotted: 5/5/2020 3:42:10 PM  
Plotted by:

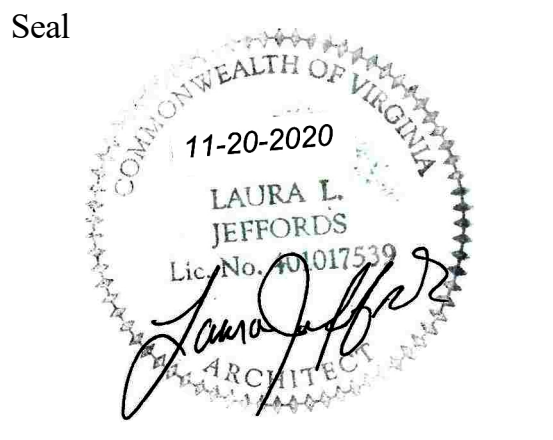
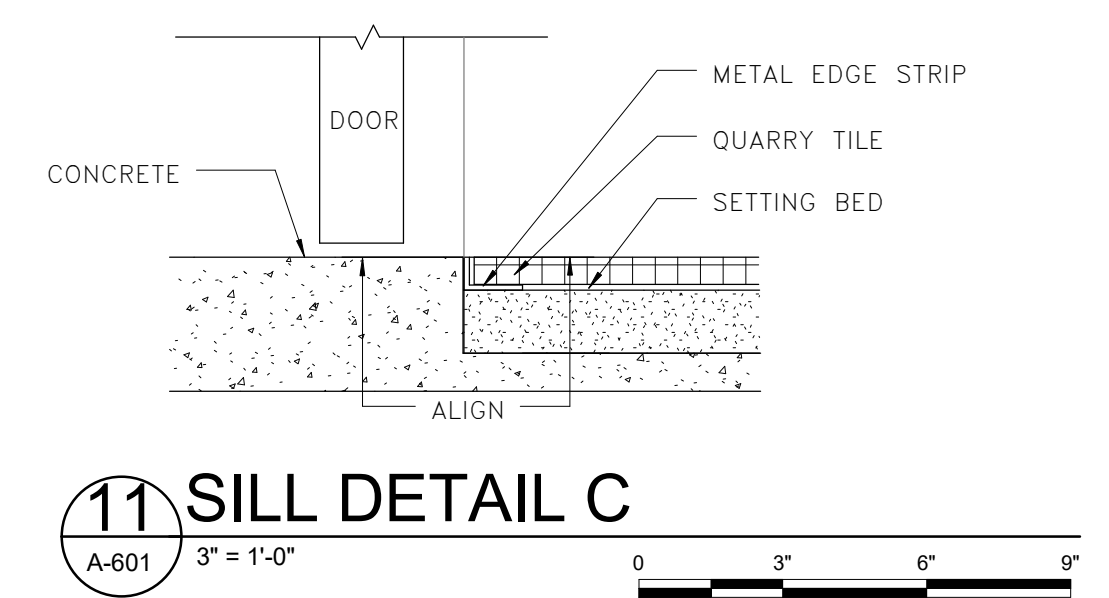
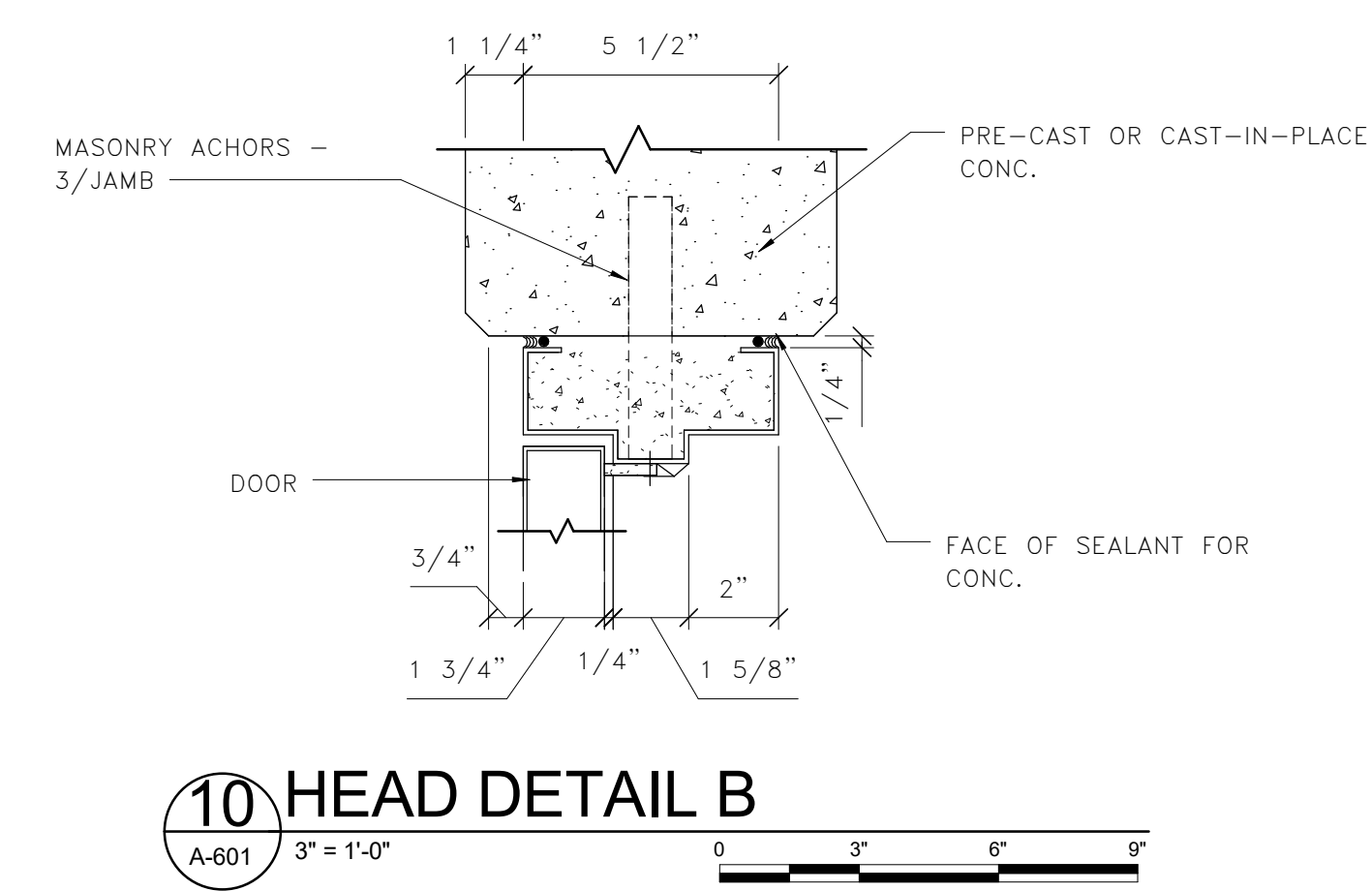
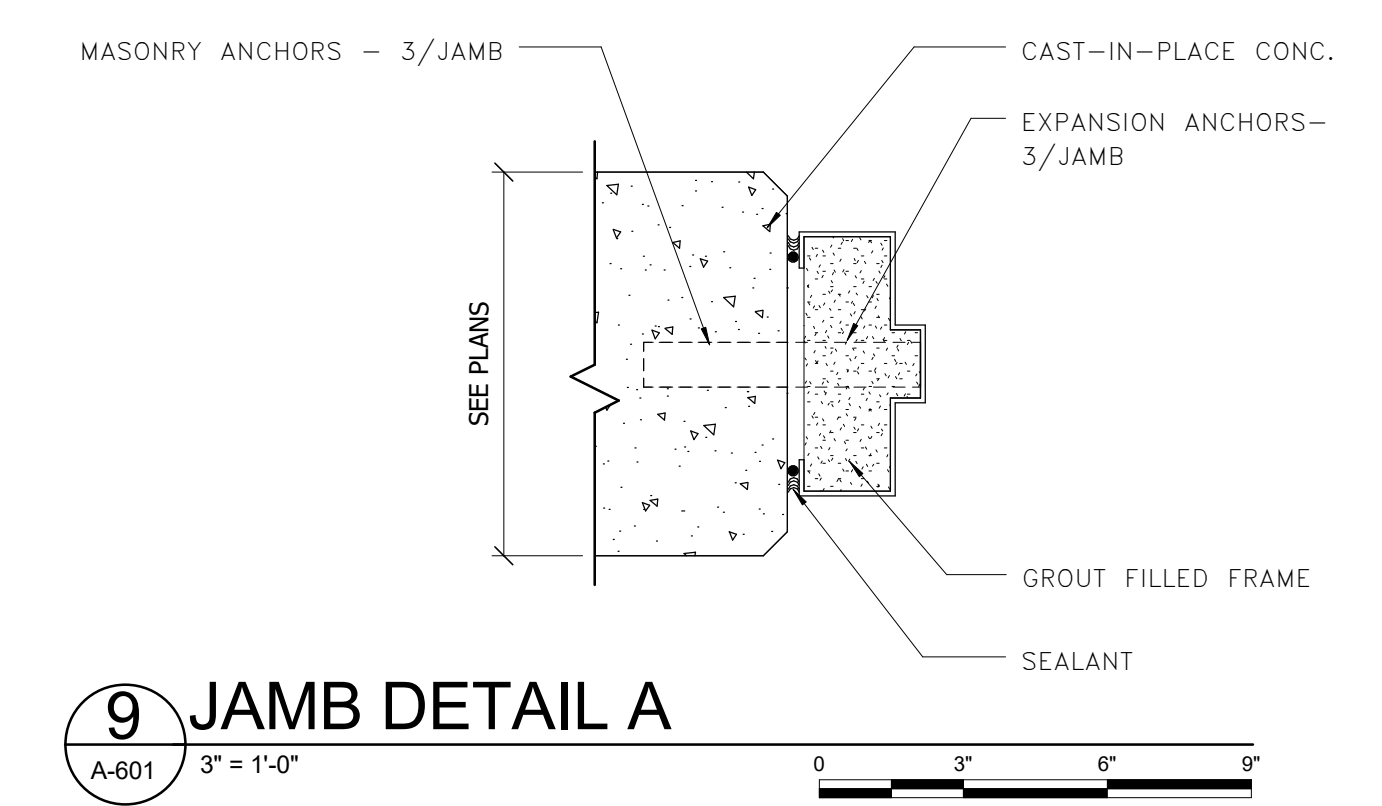
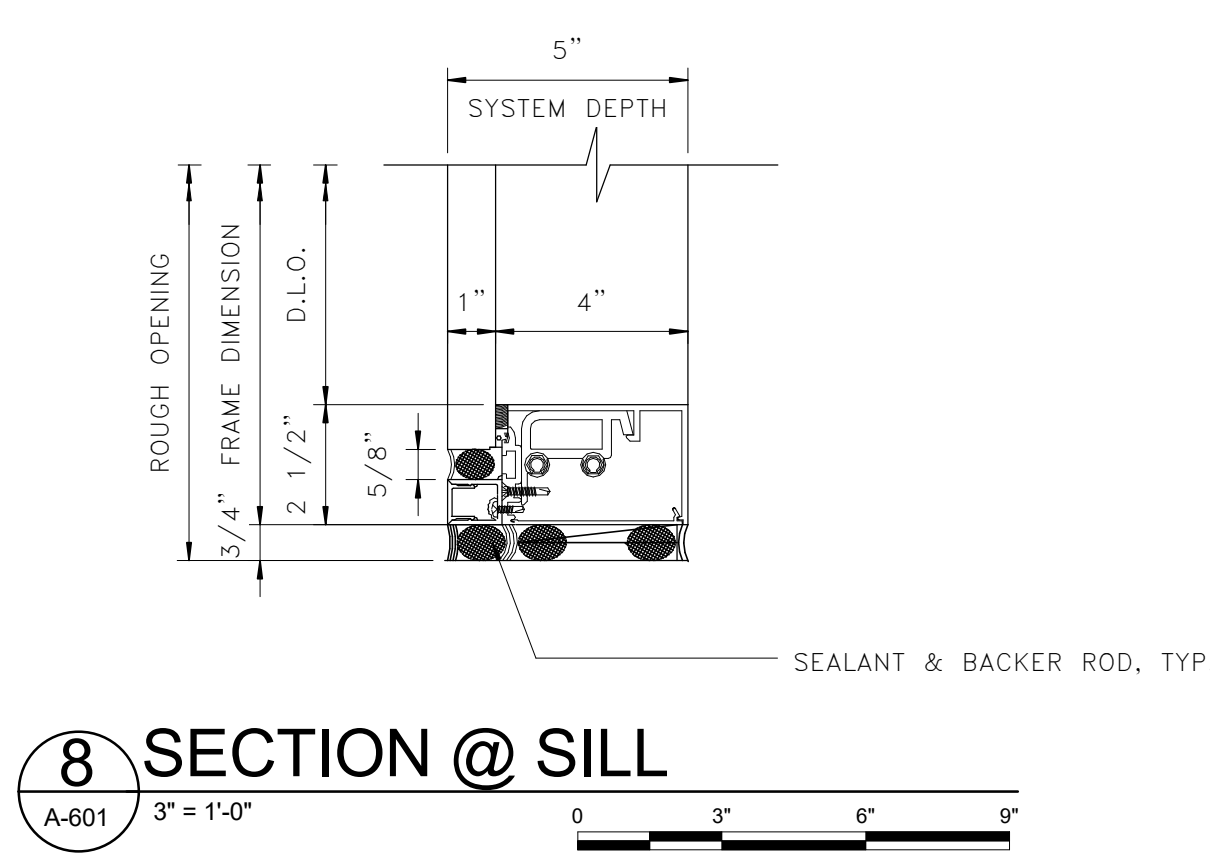
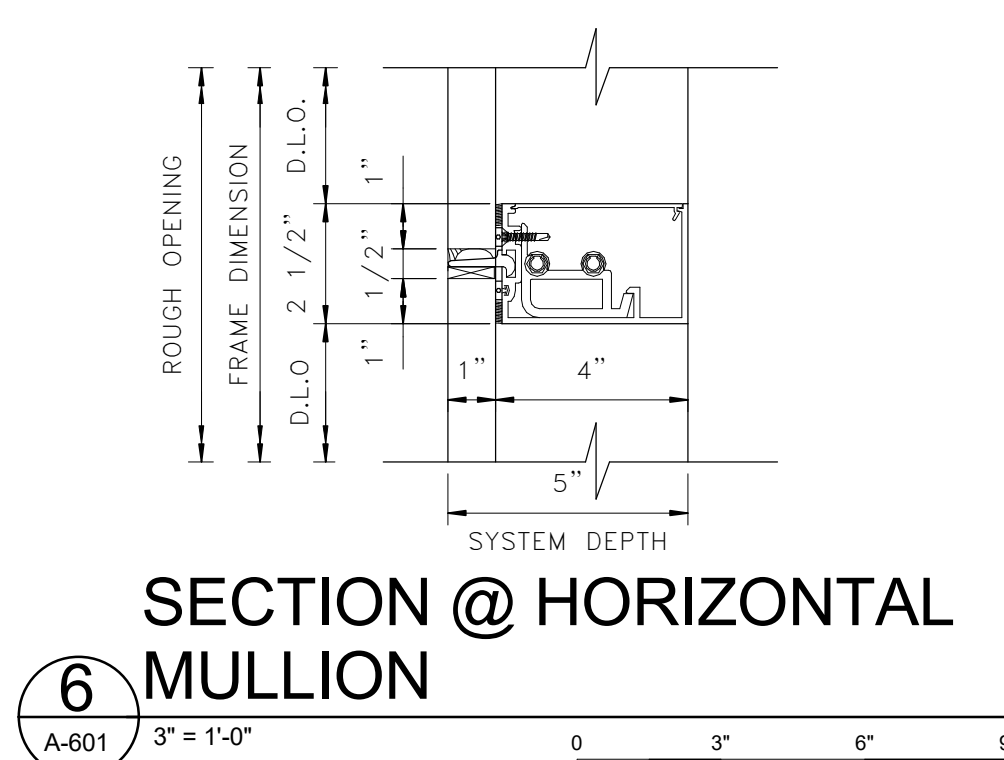
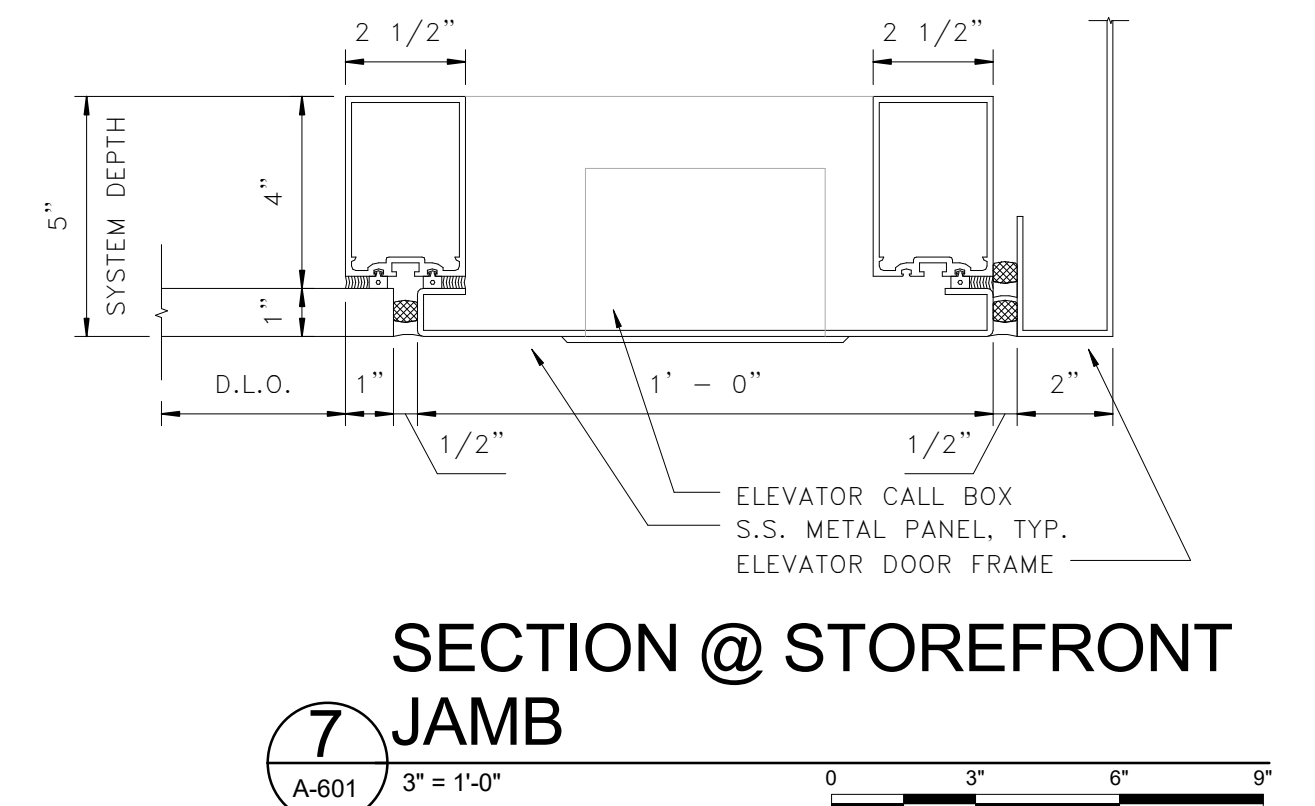
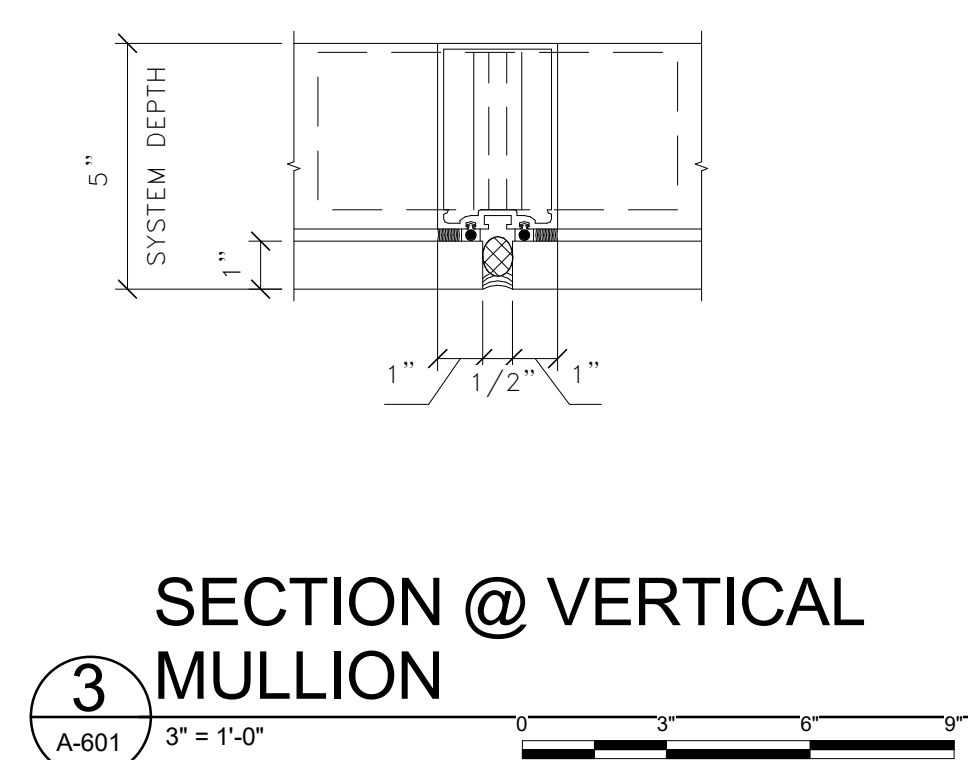
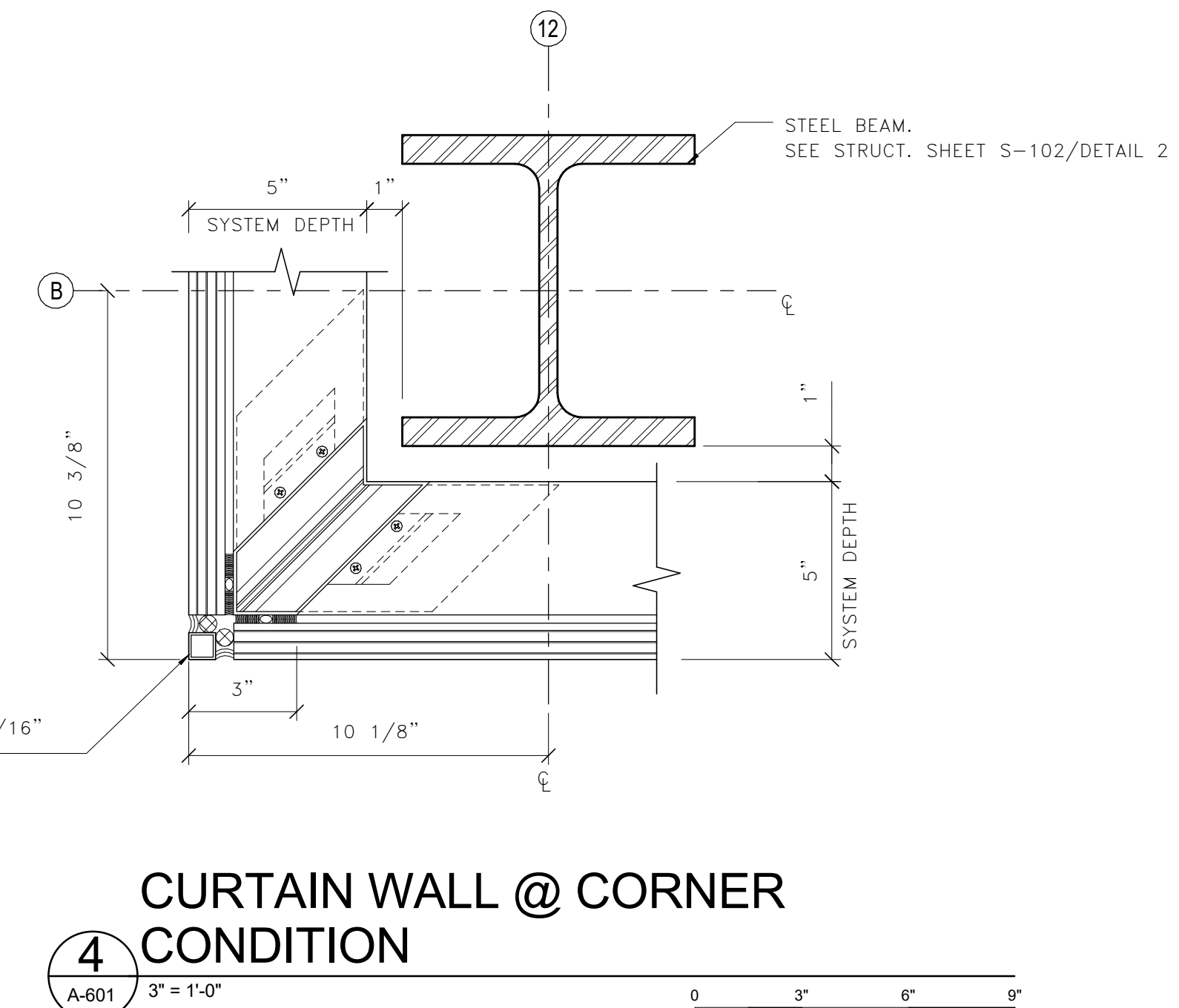
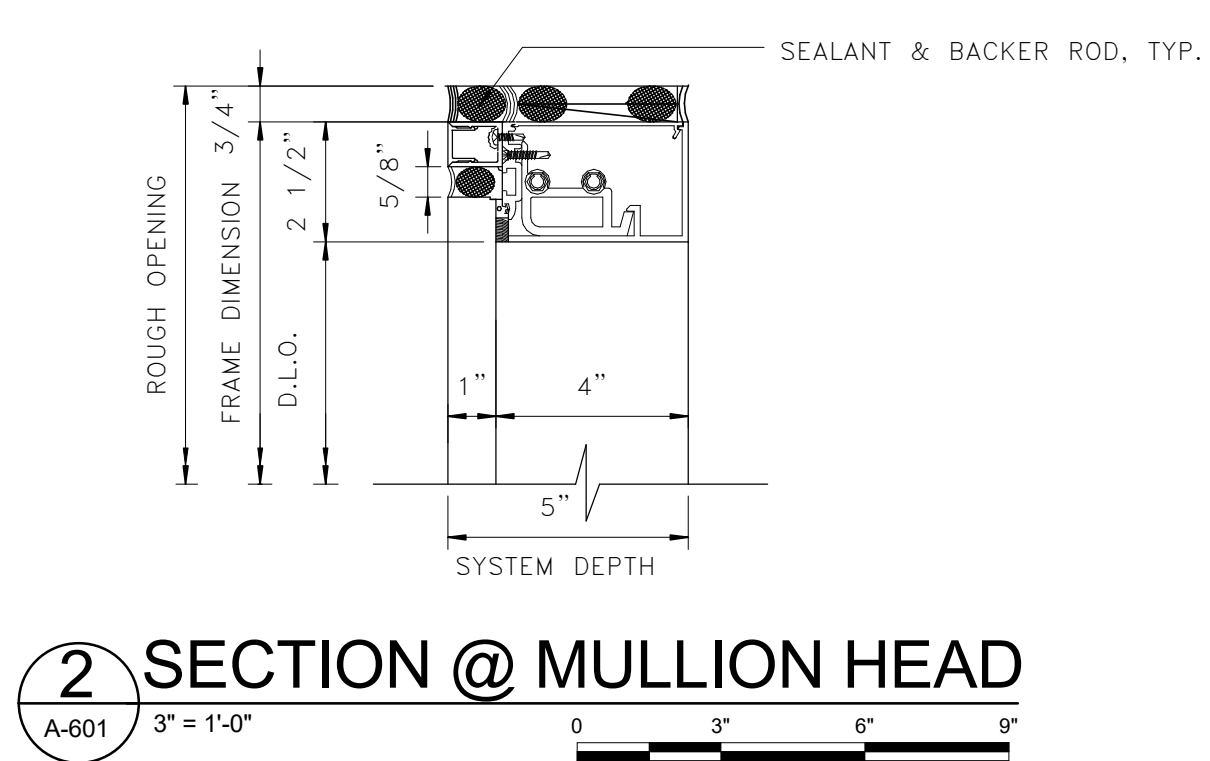
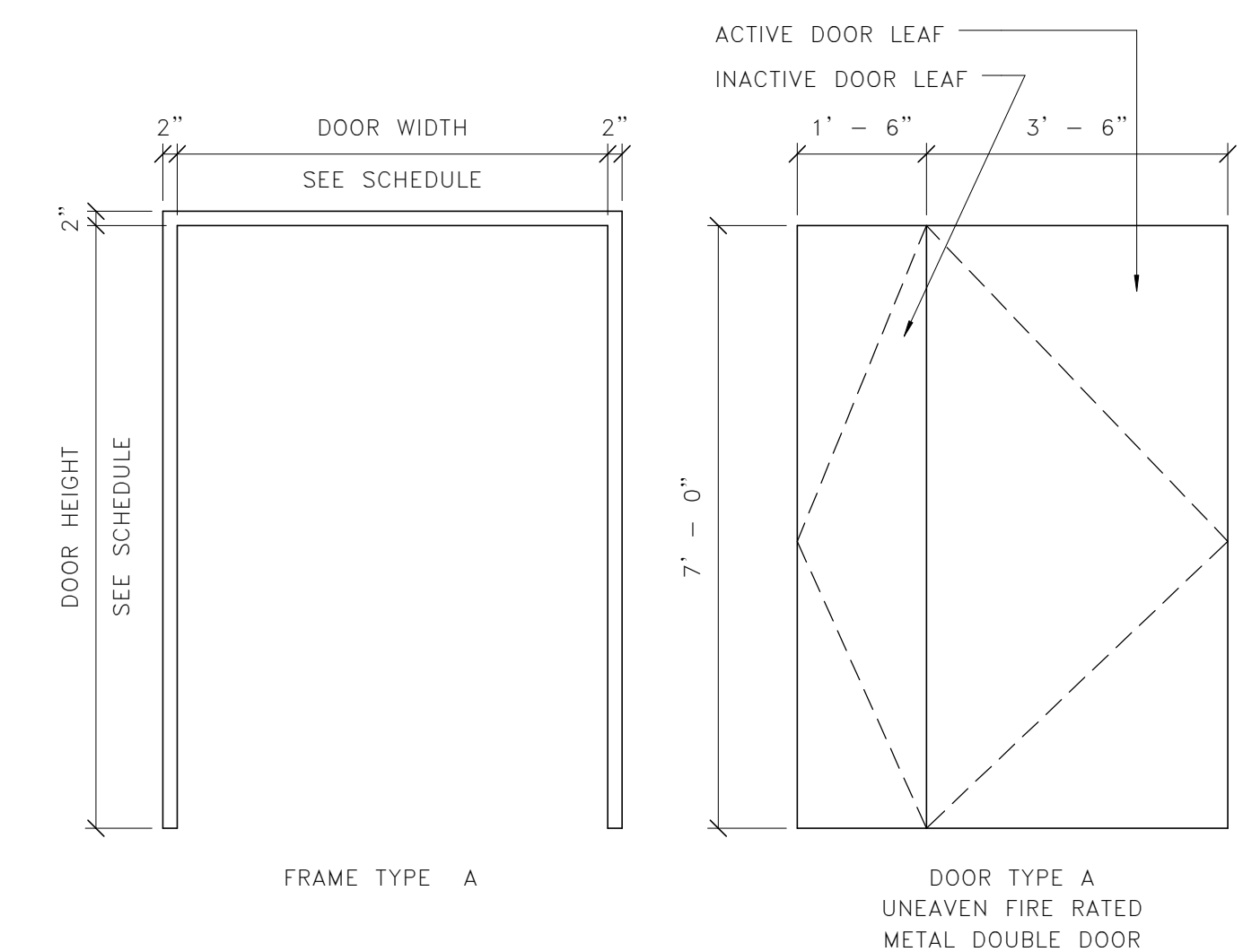
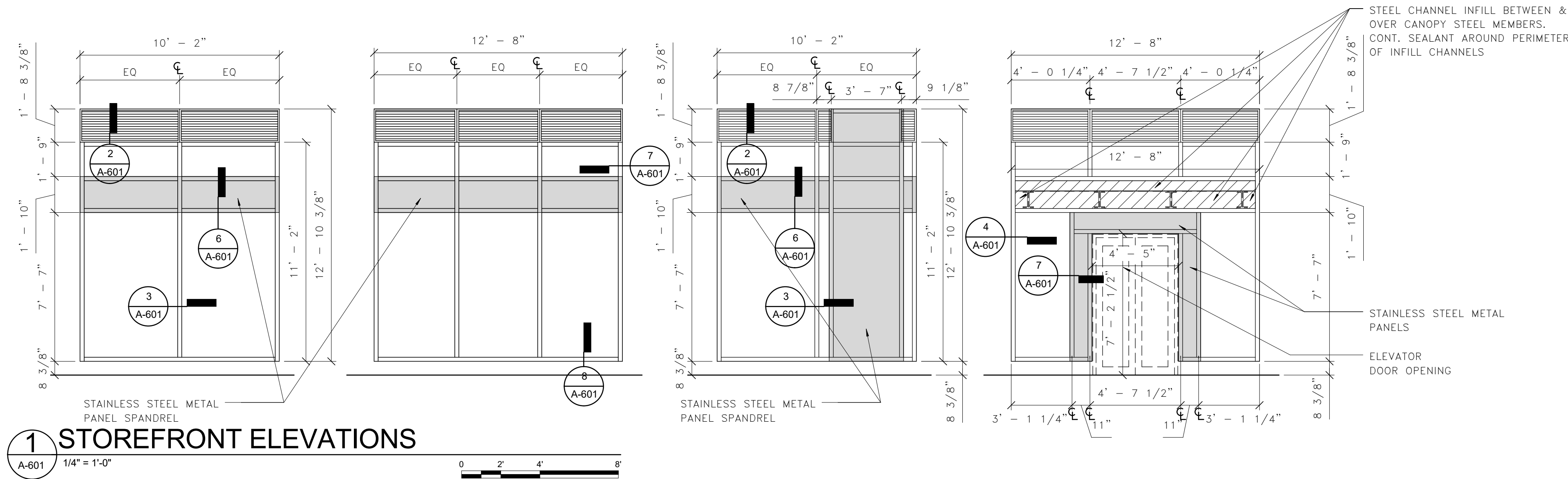
Scale: 1 1/2" = 1'-0"

100% PLANS - FOR CONSTRUCTION

- DOOR SCHEDULE -											
NUMBER	LOCATION		DOOR				FRAME		FIRE RATING LABEL	REMARKS	
	FROM	TO	TYPE	MATERIAL	WIDTH	HEIGHT	THICKNESS	TYPE			MATERIAL
01	ELEVATOR VESTIBULE	ELEVATOR MACHINE ROOM A - PAIR	HM	HM	3'-6" (1'-6")	7'-0"	1 3/4"	A	HM	90 MIN.	SELF-CLOSING & SELF LOCKING DOOR

NOTES:

- DESIGN DOORS TO PROVIDE FREE EGRESS AT ALL TIMES.
- THE CONTRACTOR SHALL COORDINATE DOOR TYPES AND SIZES WITH STATION AND FACILITY PLANS.
- FILL ALL JAMBS & HEADS OF FRAMES SOLID WITH GROUT
- DOOR OPENINGS IN CONCRETE WALLS ARE TO BE 1/4" WIDER, EACH HEAD AND JAMB, THAN FRAME.
- PAINT HOLLOW METAL DOORS AND FRAMES.
- PROVIDE LABELED DOORS AND HARDWARE AS REQUIRED BY APPLICABLE CODES.
- FOR HARDWARE SETS CONFIRM REQUIREMENTS WITH WMATA DETAILS NOT PROVIDED BY WMATA FOR THIS CONTRACT.
- SEE PLANS FOR ALL LOCATIONS OF CONCRETE WALLS.



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

Project Name and Location  
**Pentagon City Station**  
**Elevator Project**  
Door and Window Schedules  
South Hayes Street  
A-601

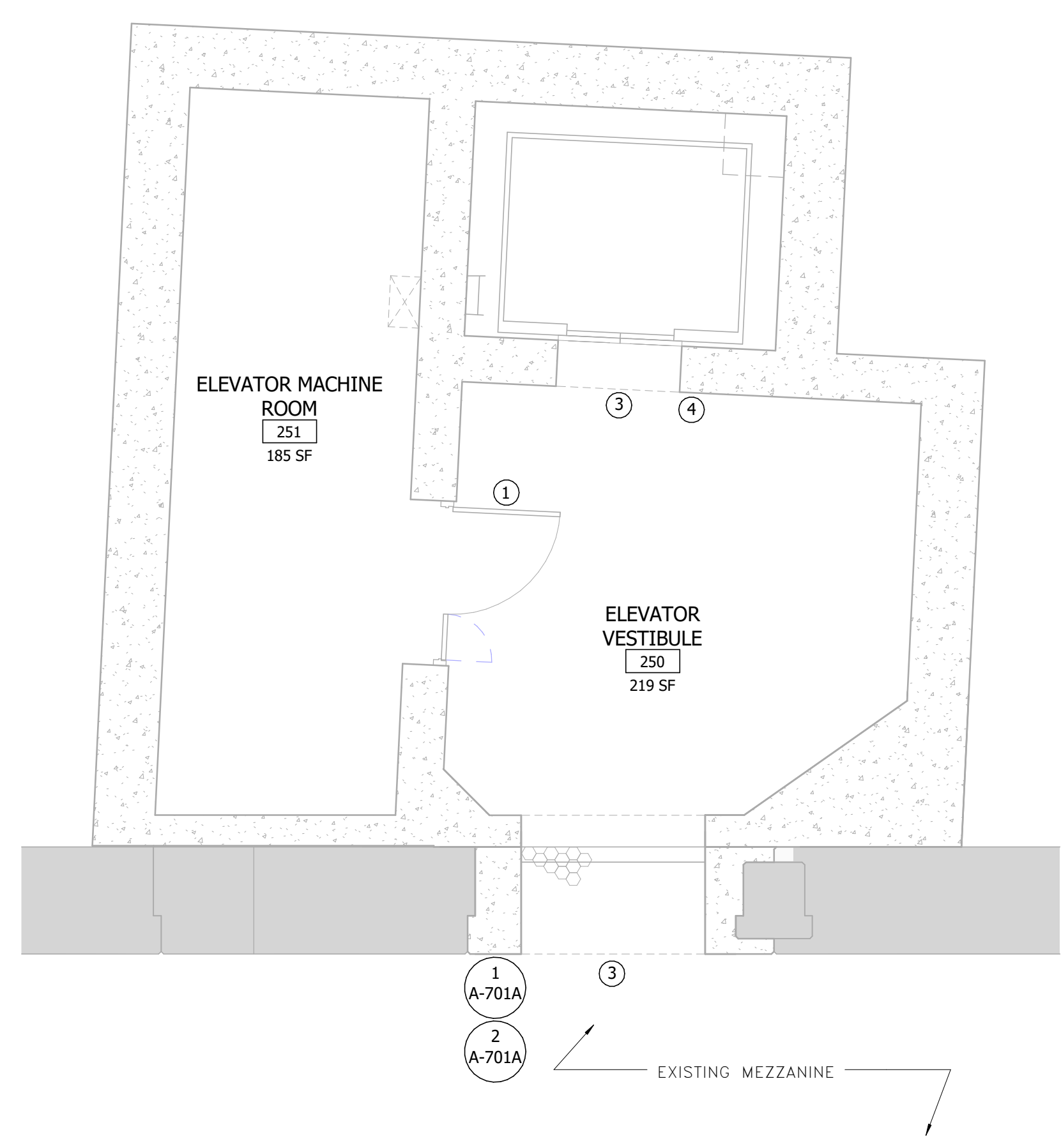
Designed: LJ  
Drawn: ZS  
Checked: HS  
Miss Utility Transmittal #:

Filename: 2515872\_A-3D0000.rvt  
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Plotted by:

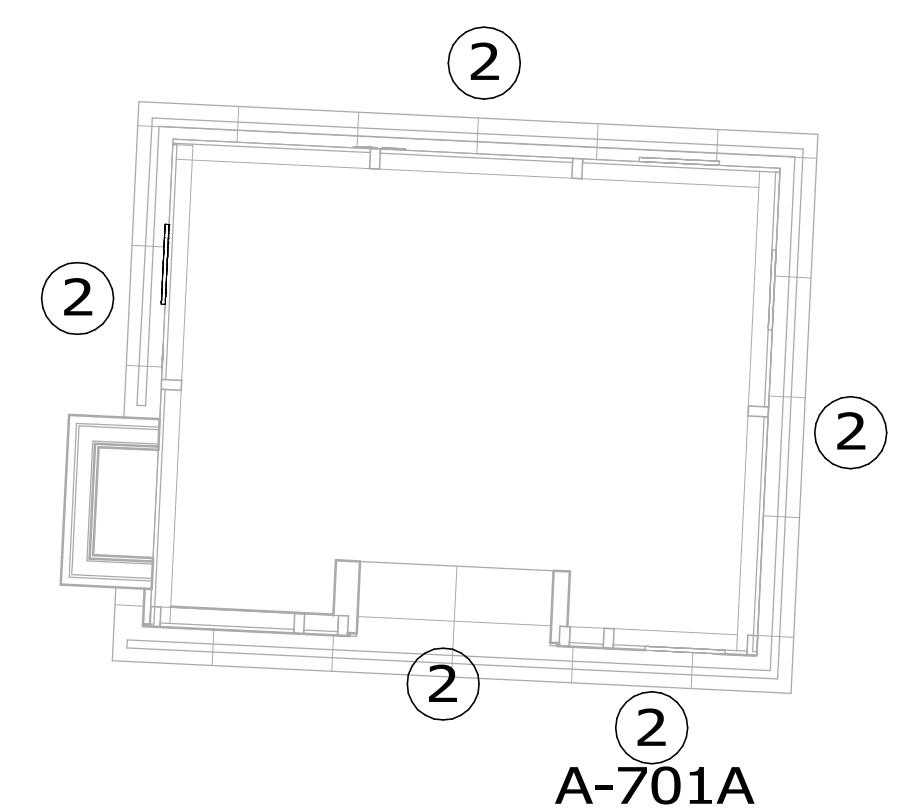
Scale: As indicated

100% PLANS - FOR CONSTRUCTION

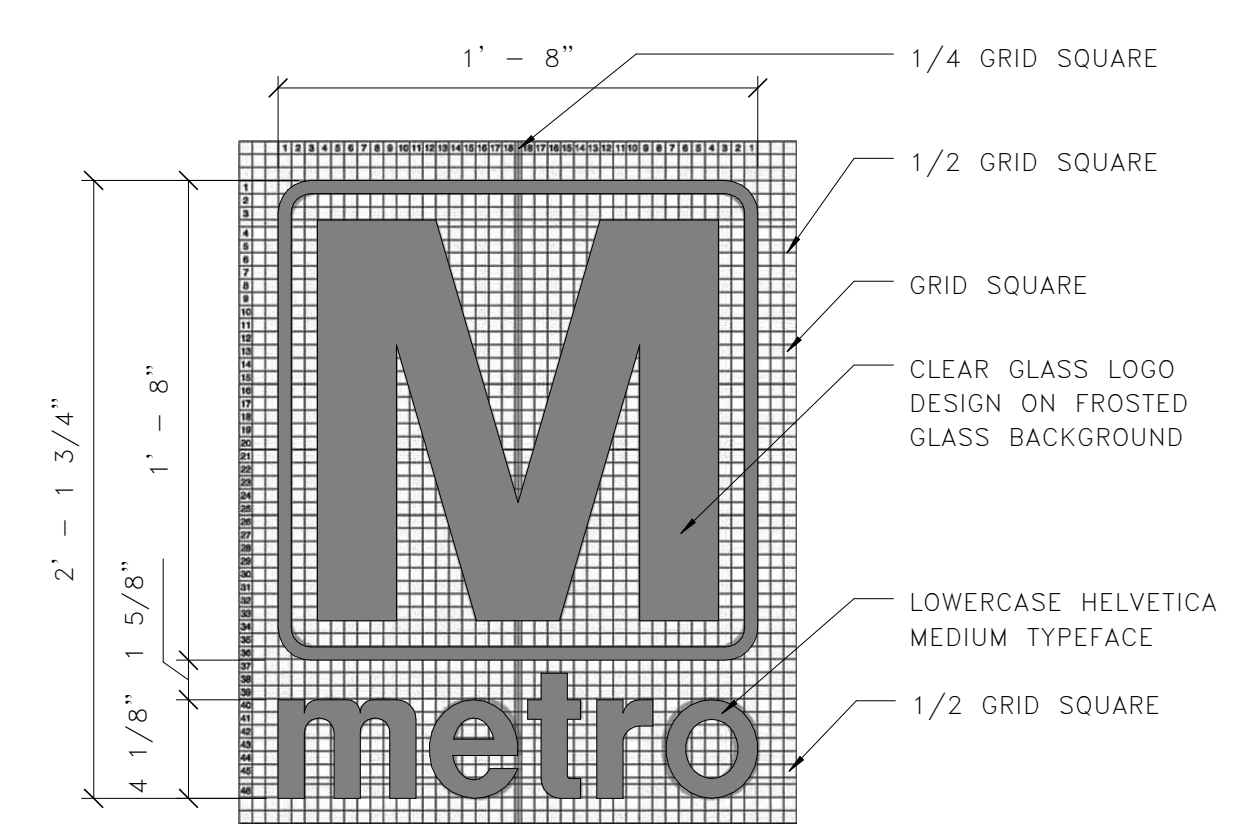
- LEGEND:**
- ① SIGN TYPE 1
  - ② SIGN TYPE 2
  - ③ SIGN TYPE 3
  - ④ SIGN TYPE 4
- NOTES:**
1. FIELD VERIFY ALL DIMENSIONS FOR ALL SIGNS PRIOR TO MANUFACTURE OF SIGNS.
  2. PRIOR TO MANUFACTURE OF SIGNS: SHOP DRAWINGS AND SIGN SAMPLE TO BE SUBMITTED TO WMATA FOR REVIEW AND APPROVAL.
  3. BRAILLE SIGNS SHALL DISPLAY HELVETICA REGULAR FONT.
  4. CONTRAST BETWEEN THE LETTERING AND BACKGROUND SHALL BE 70% OR HIGHER.



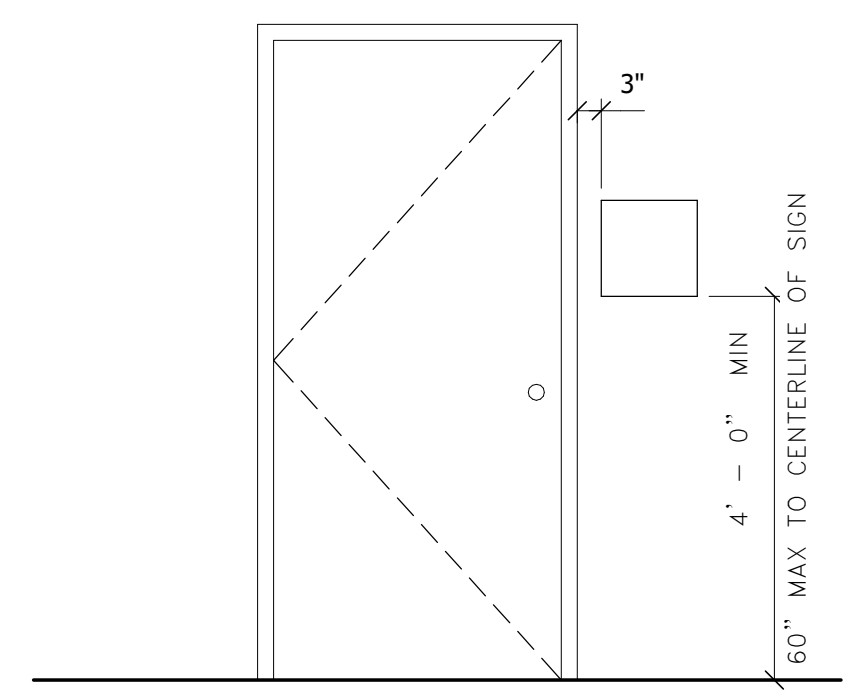
**9 SIGNAGE LOCATION MAP - MEZZANINE LEVEL PLAN**  
A-701 1/4" = 1'-0"



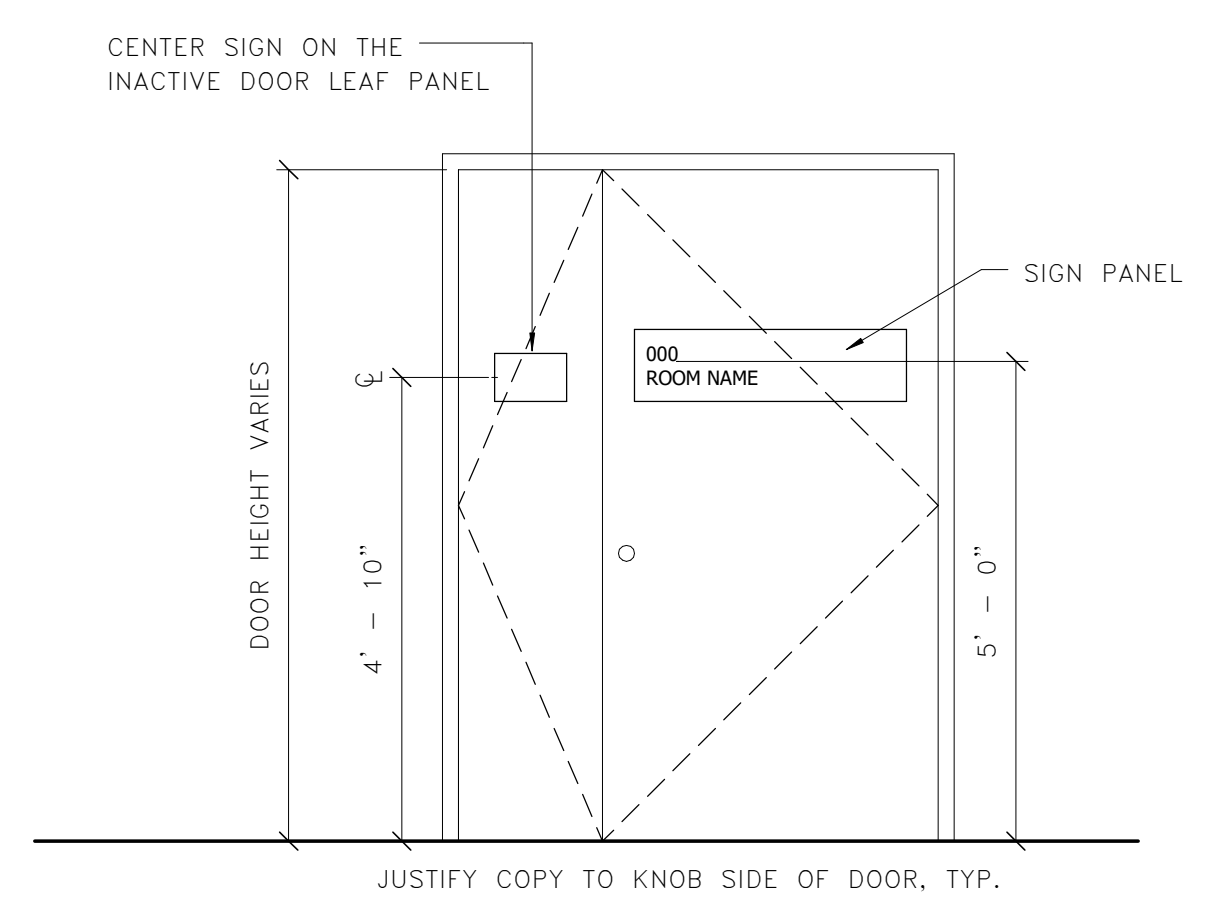
**10 SIGNAGE LOCATION MAP - PLAZA LEVEL**  
A-701 1/4" = 1'-0"



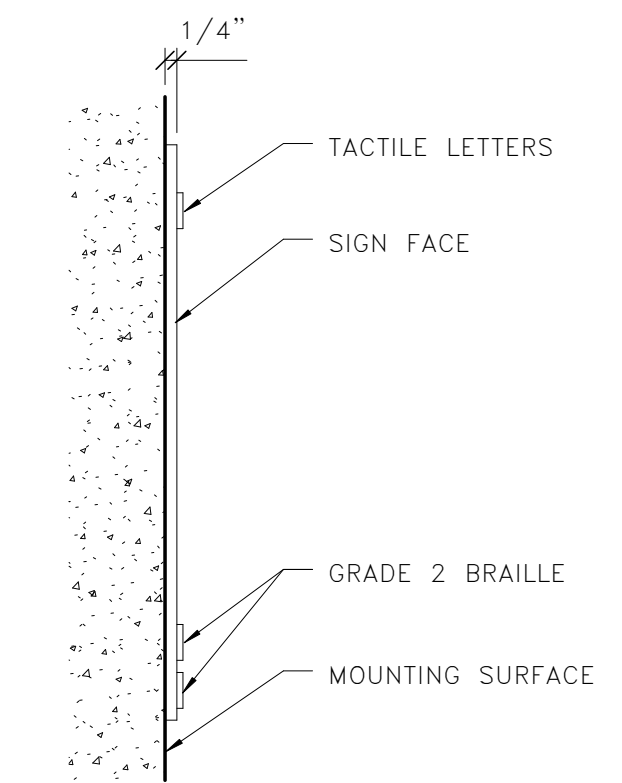
**8 METRO LOGO ON GLASS**  
A-701 1 1/2" = 1'-0"



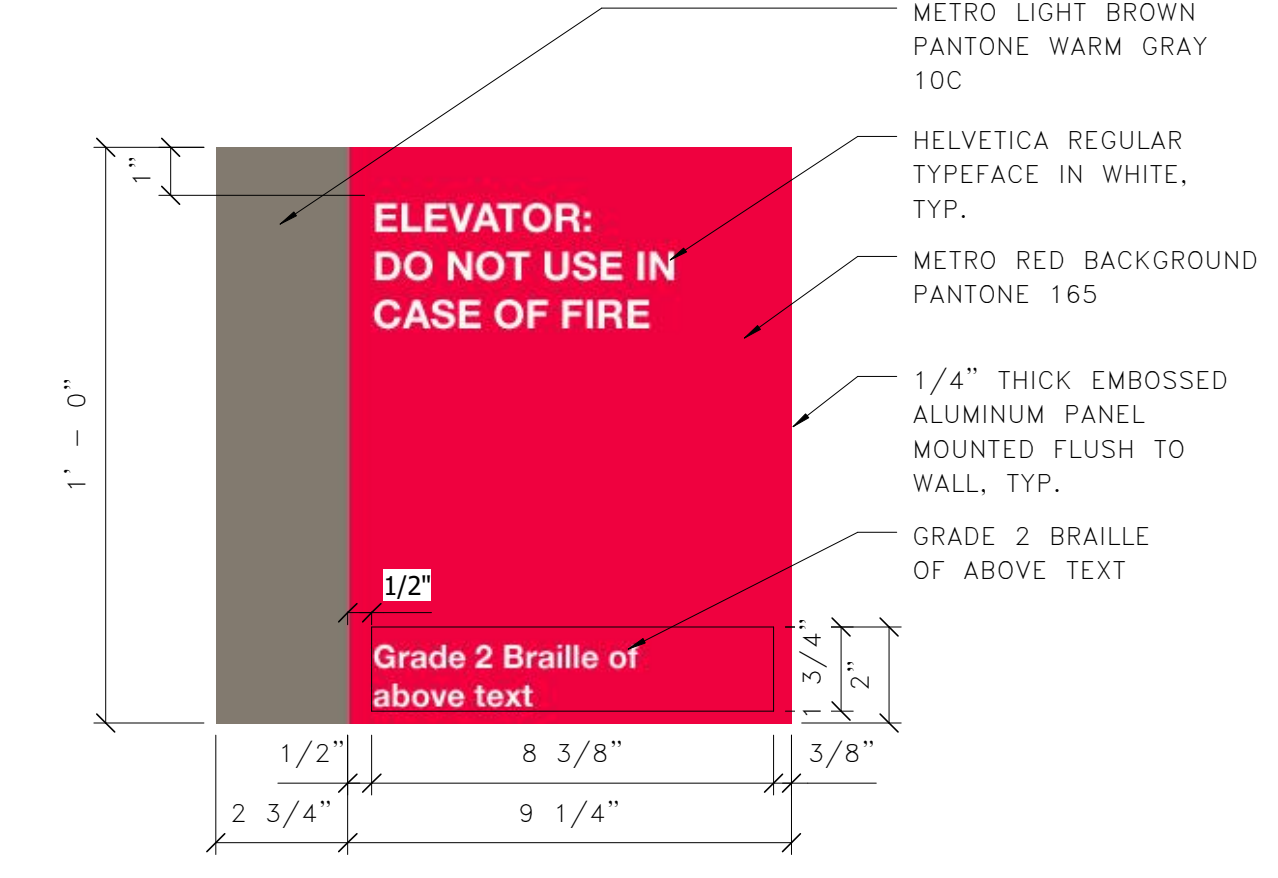
**7 WALL MOUNTING ELEVATION**  
A-701 1/2" = 1'-0"



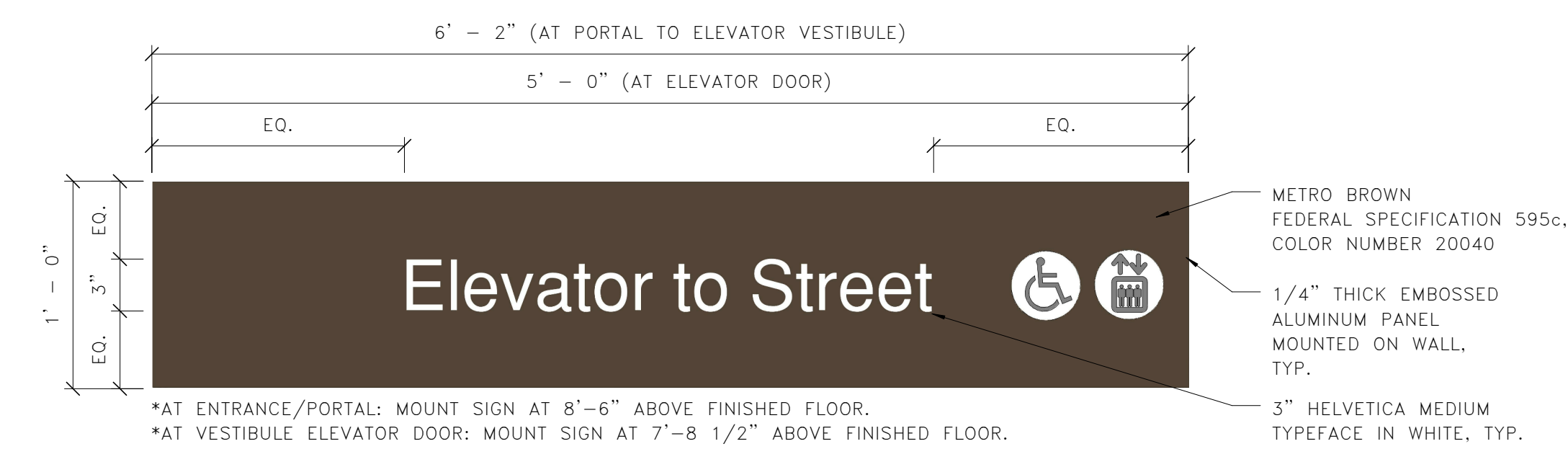
**6 DOOR MOUNTING ELEVATION**  
A-701 1/2" = 1'-0"



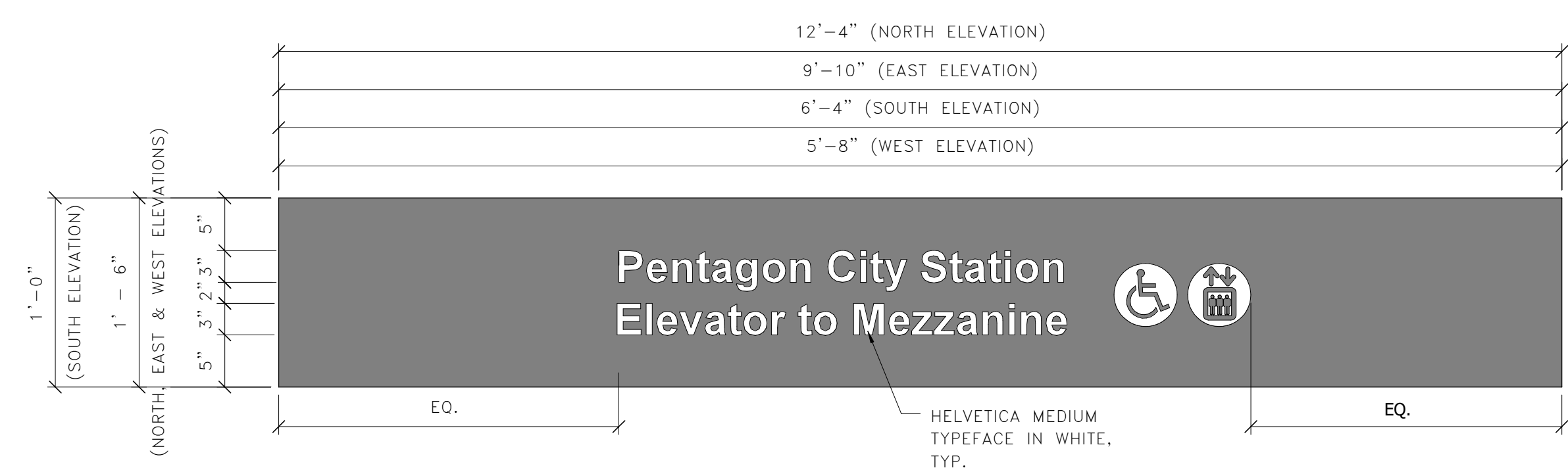
**5 WALL MOUNTING SECTION**  
A-701 3" = 1'-0"



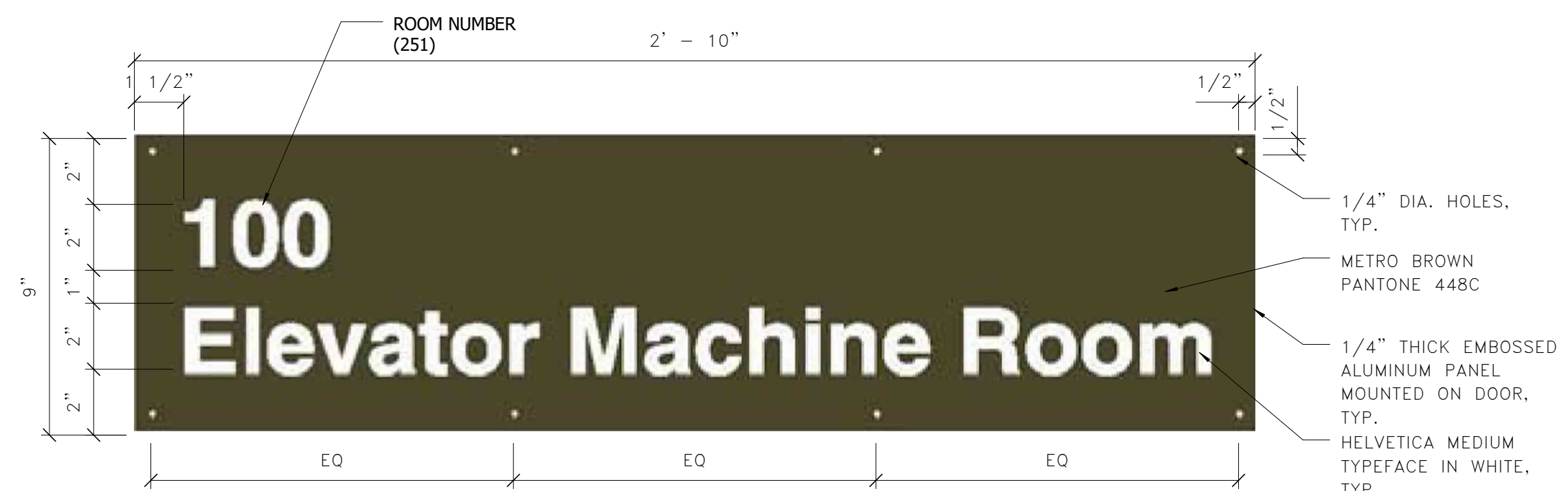
**4 WALL MOUNTED SIGNAGE TYPE 4**  
A-701 3" = 1'-0"



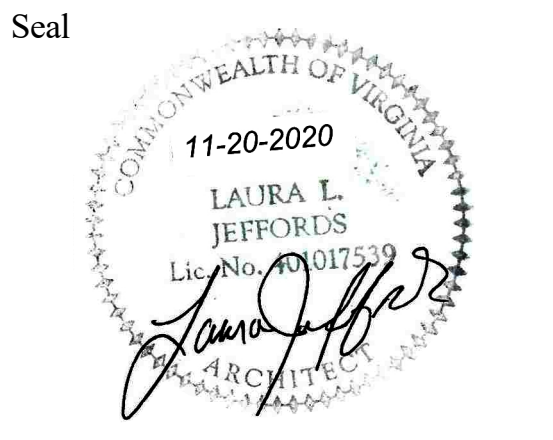
**3 DIRECTIONAL SIGNAGE TYPE 3**  
A-701 1 1/2" = 1'-0"



**2 EXTERIOR STATION NAME SIGN TYPE 2**  
A-701 1" = 1'-0"



**1 ROOM IDENTIFICATION SIGNAGE TYPE 1**  
A-701 3" = 1'-0"



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

Project Name and Location  
**Pentagon City Station Elevator Project**  
Signage Details  
South Hayes Street  
A-701

Designed: KJP  
Drawn: ZKS  
Checked: HS  
Miss Utility Transmittal #:

Filename: 2515872\_A-3D0000.rvt  
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Plotted: 5/5/2020 3:47:51 PM  
Plotted by:

Scale: As indicated

100% PLANS - FOR CONSTRUCTION



Approvals \_\_\_\_\_ Date \_\_\_\_\_

WMATA PROJECT MANAGER \_\_\_\_\_

FD&C BUREAU CHIEF \_\_\_\_\_

FD&C PROJECT MANAGER \_\_\_\_\_

TRANSIT BUREAU CHIEF \_\_\_\_\_

TRANSIT PROJECT MANAGER \_\_\_\_\_

WATER, SEWER STREETS BUREAU CHIEF \_\_\_\_\_

TRANSPORTATION DIRECTOR \_\_\_\_\_

Revisions \_\_\_\_\_ Date \_\_\_\_\_

ISSUED FOR CONSTRUCTION 11-20-2020

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Project Name and Location  
**Pentagon City Station  
Elevator Project**  
Signage Details  
South Hayes Street  
A-701A

Designed: AK  
Drawn: AK  
Checked: LJ  
Miss Utility Transmittal #:

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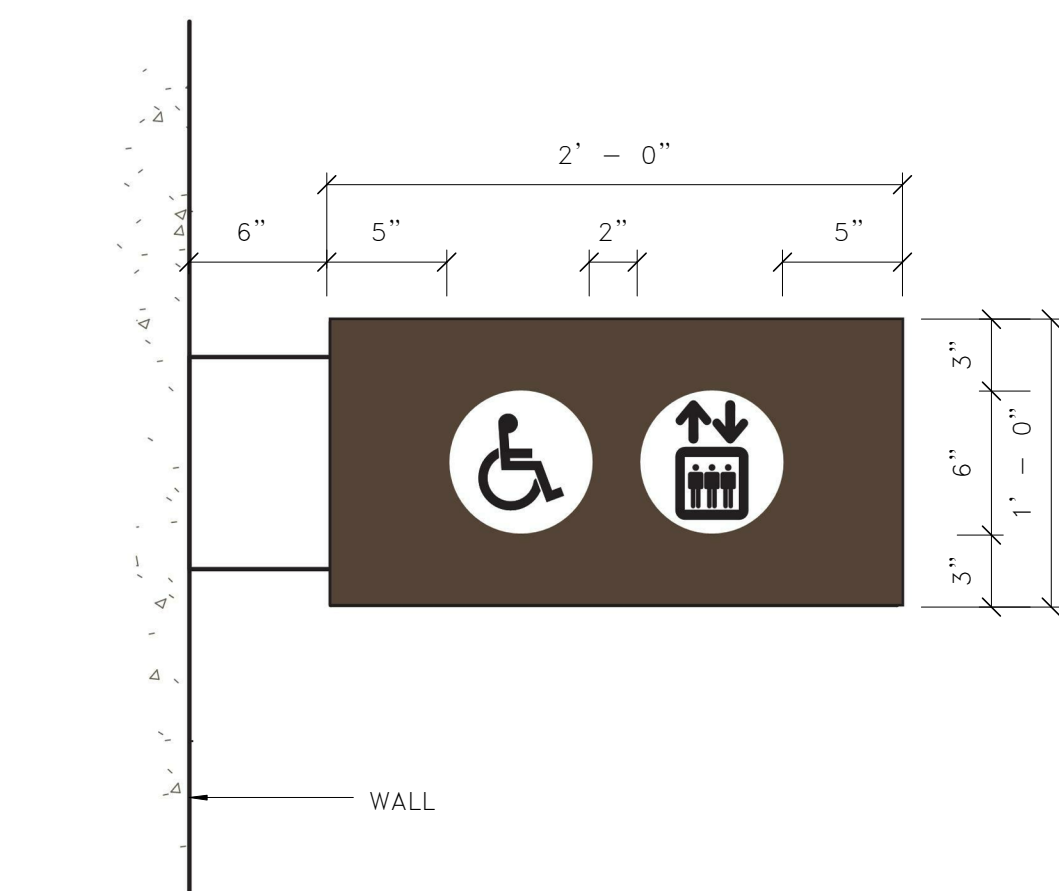
Scale: As indicated

100% PLANS - FOR CONSTRUCTION

Sheet 28 OF 68

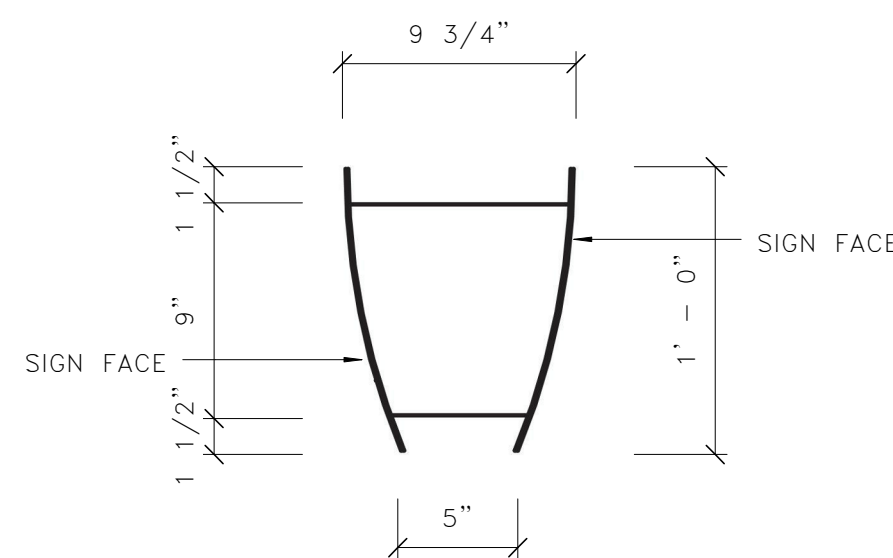
**NOTES:**

1. FIELD VERIFY ALL DIMENSIONS FOR ALL SIGNS PRIOR TO MANUFACTURE OF SIGNS.
2. PRIOR TO MANUFACTURE OF SIGNS: SHOP DRAWINGS AND SIGN SAMPLE TO BE SUBMITTED TO WMATA FOR REVIEW AND APPROVAL.
3. BRAILLE SIGNS SHALL DISPLAY HELVETICA REGULAR FONT.
4. CONTRAST BETWEEN THE LETTERING AND BACKGROUND SHALL BE 70% OR HIGHER.



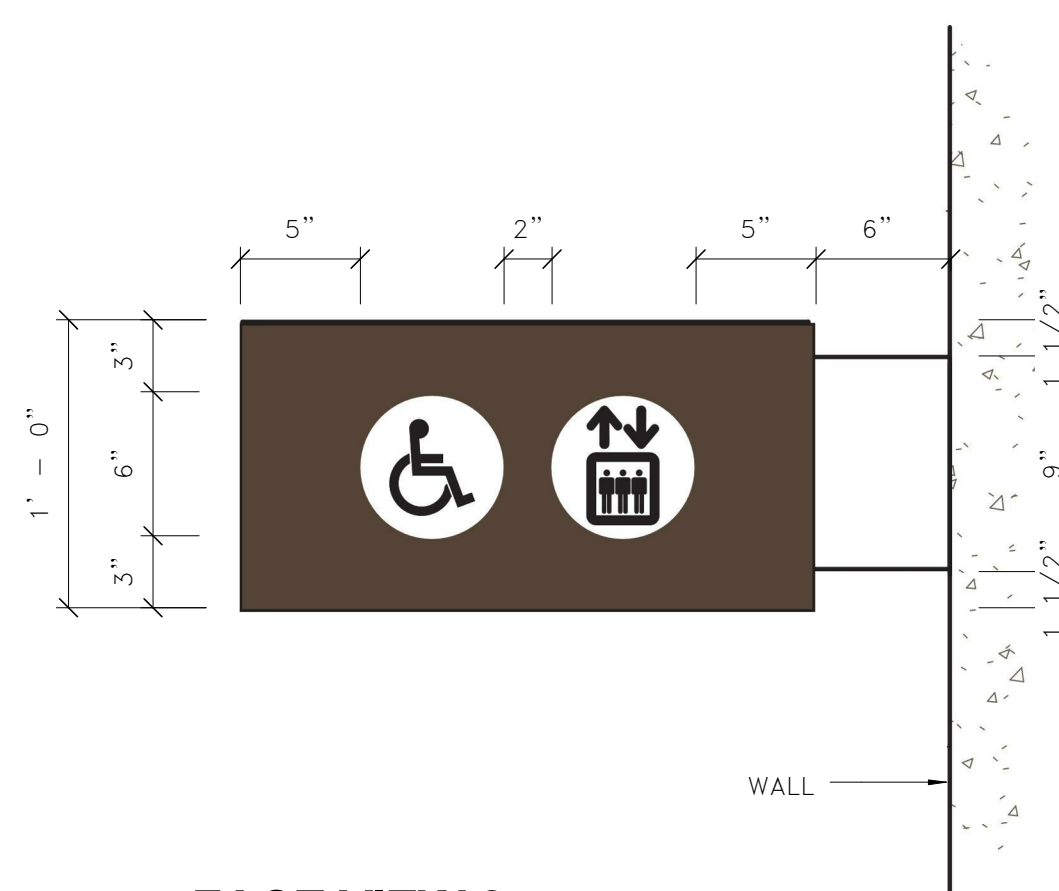
**FACE VIEW 1**

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



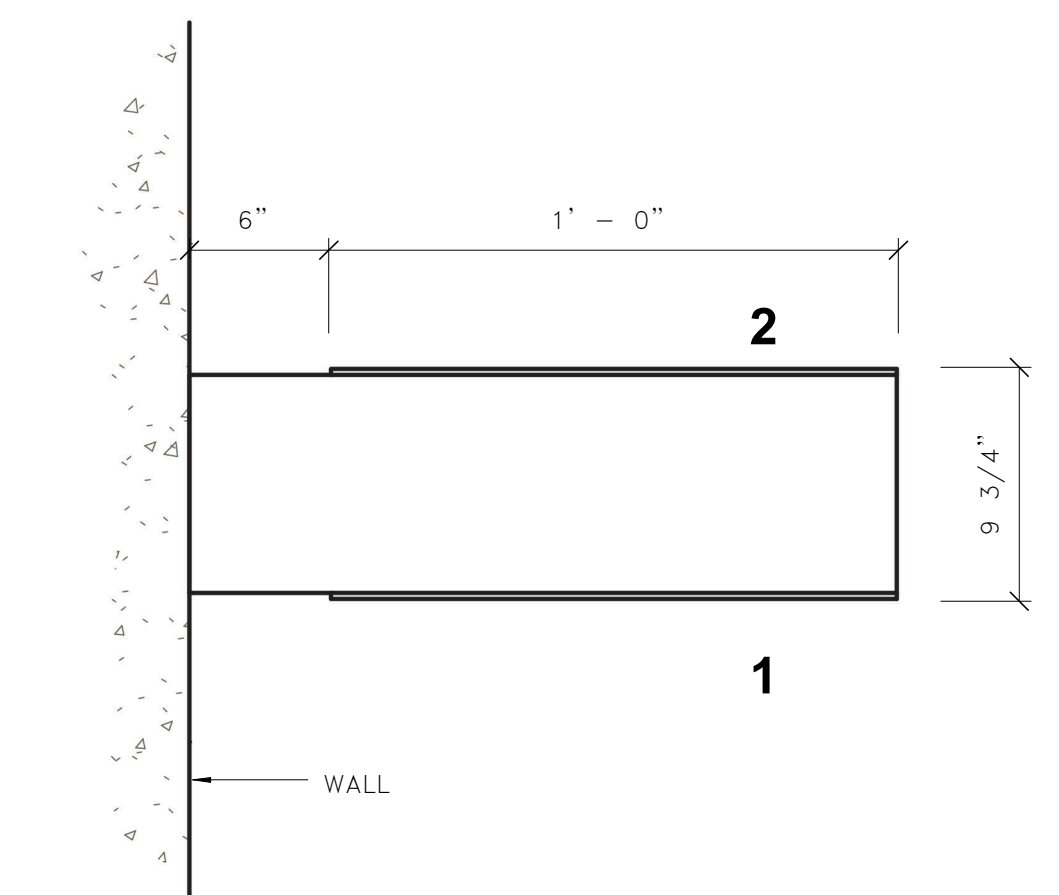
**SECTION**

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



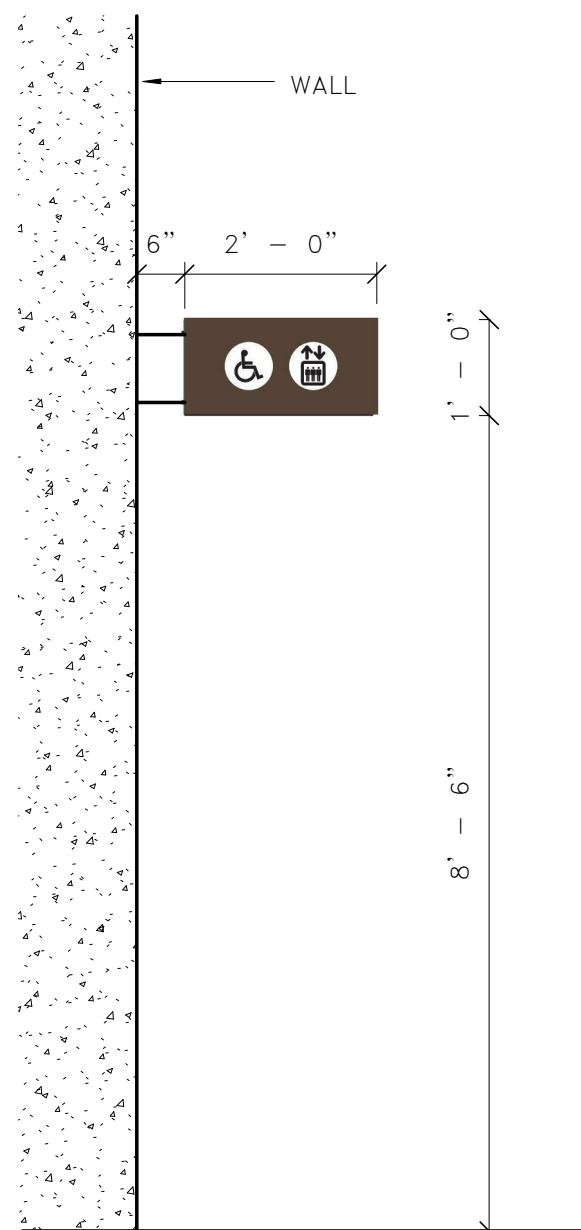
**FACE VIEW 2**

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



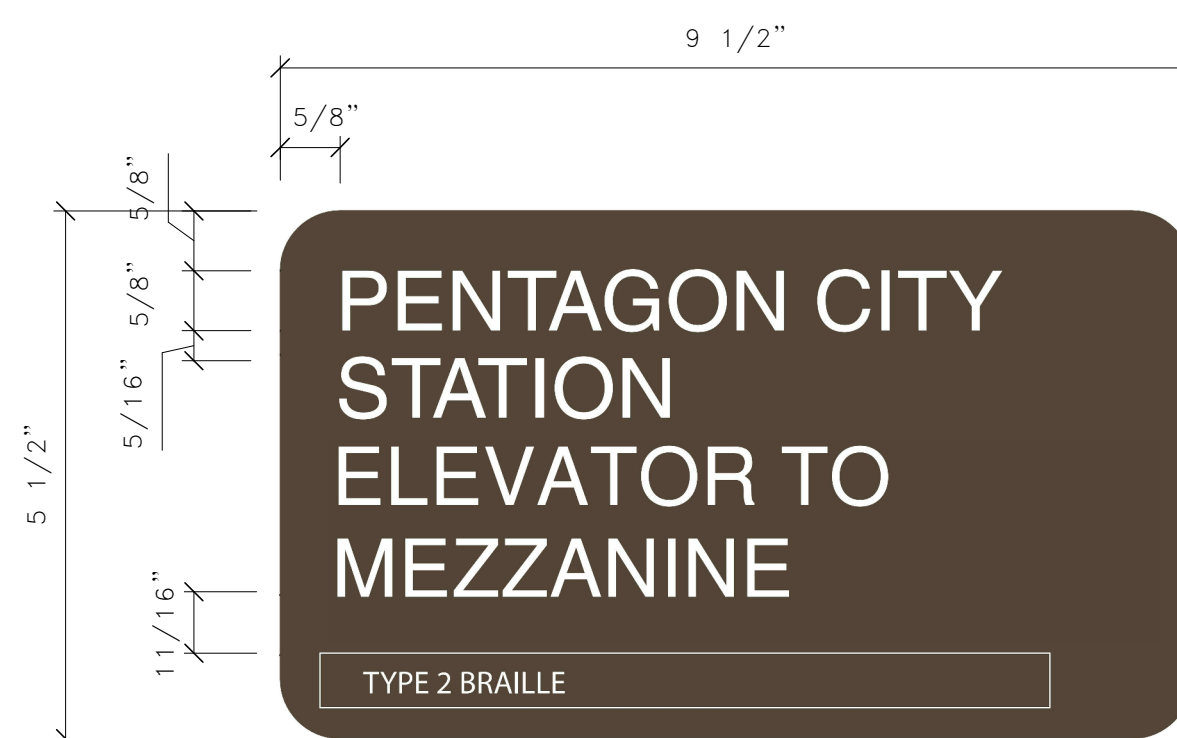
**PLAN VIEW**

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



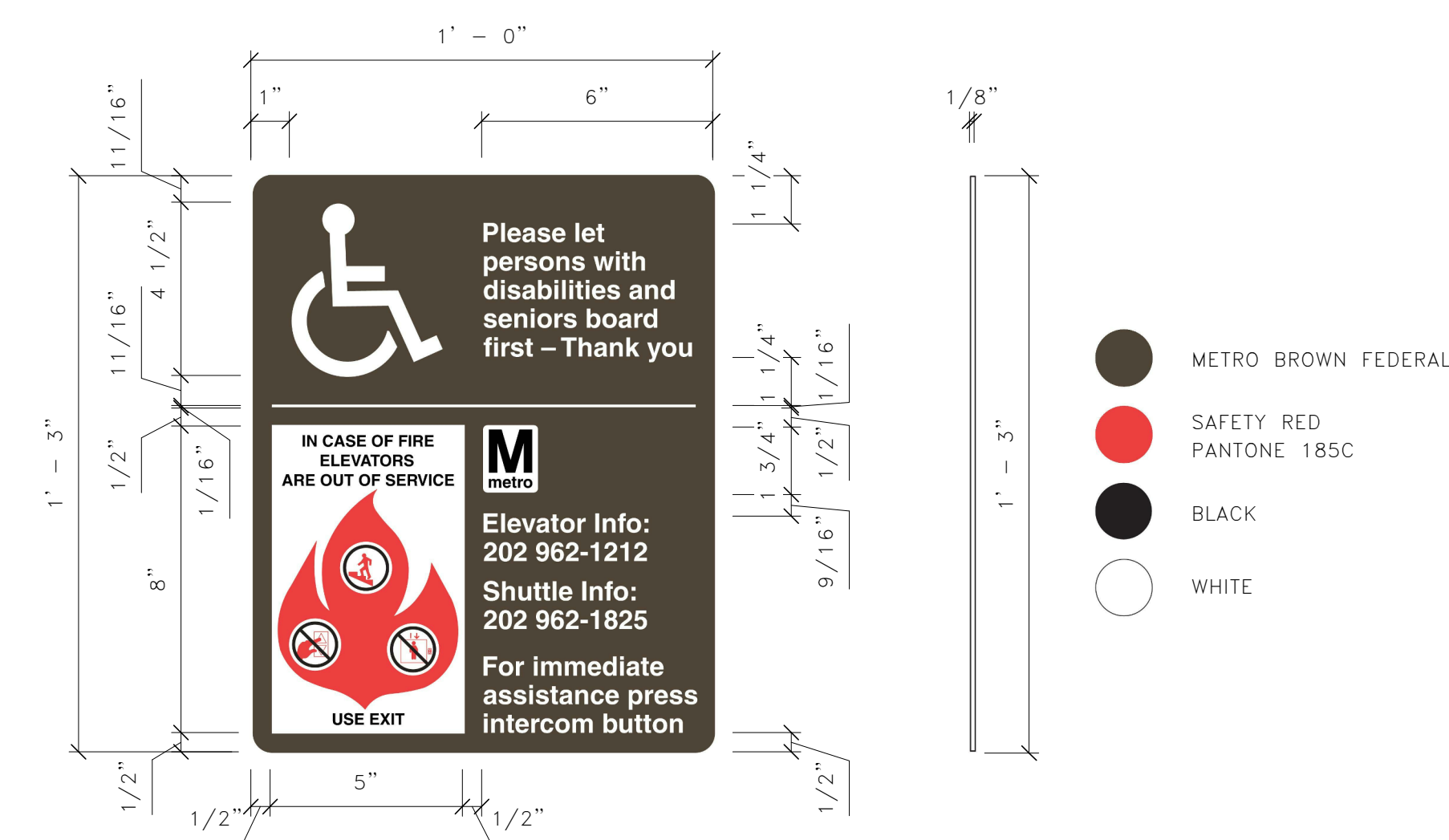
**SIGN HEIGHT**

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



**2 ELEVATOR BRAILLE SIGN**

A-701A 6"=1'-0"

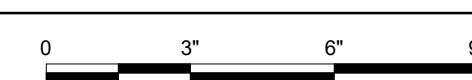
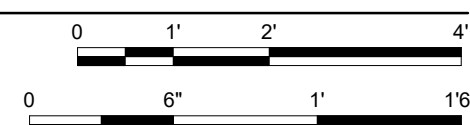


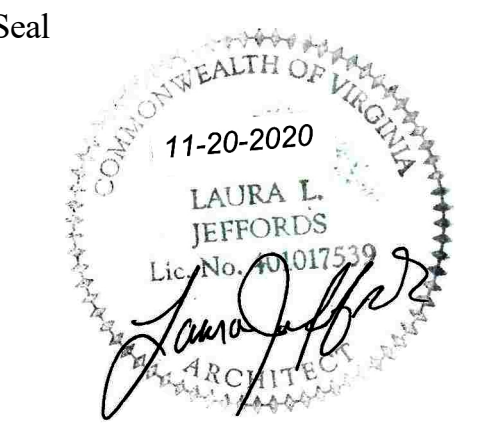
**3 ELEVATOR SAFETY INFORMATION SIGN**

A-701A 3"=1'-0"

**1 WALL MOUNTED SIGNAGE**

A-701A AS INDICATED





Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

Project Name and Location  
**Pentagon City Station  
Elevator Project**  
Elevator Cab Plans and Elevations  
South Hayes Street  
A-702

Designed: AK  
Drawn: ZS  
Checked: HS  
Miss Utility Transmittal #:

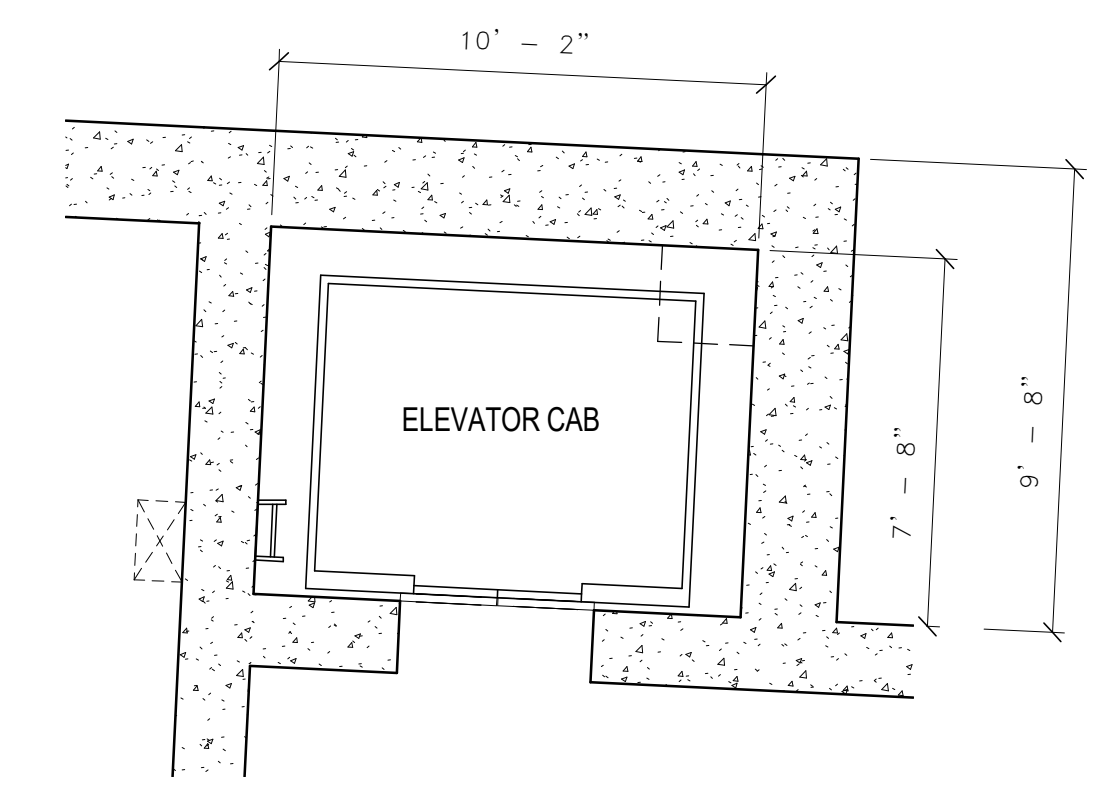
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Scale: As indicated

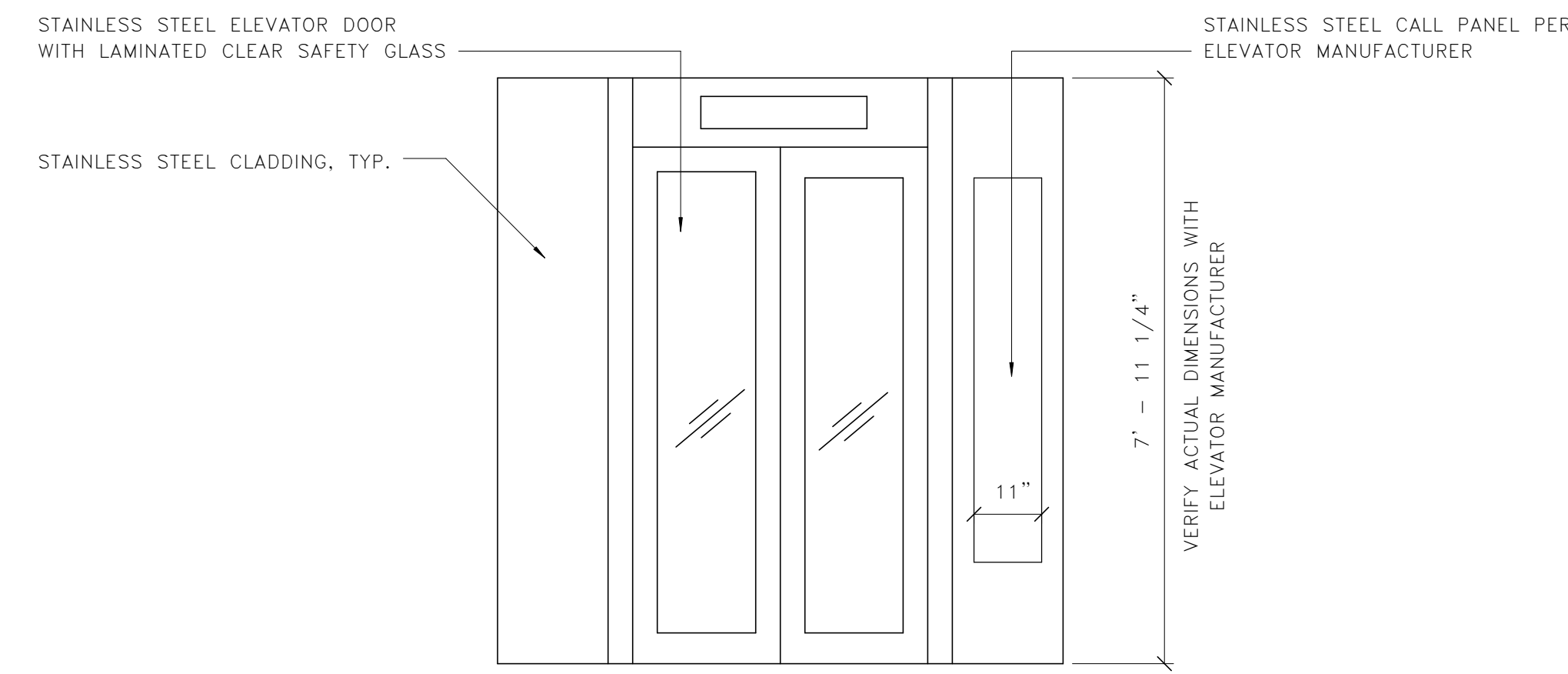
100% PLANS - FOR CONSTRUCTION

NOTES:

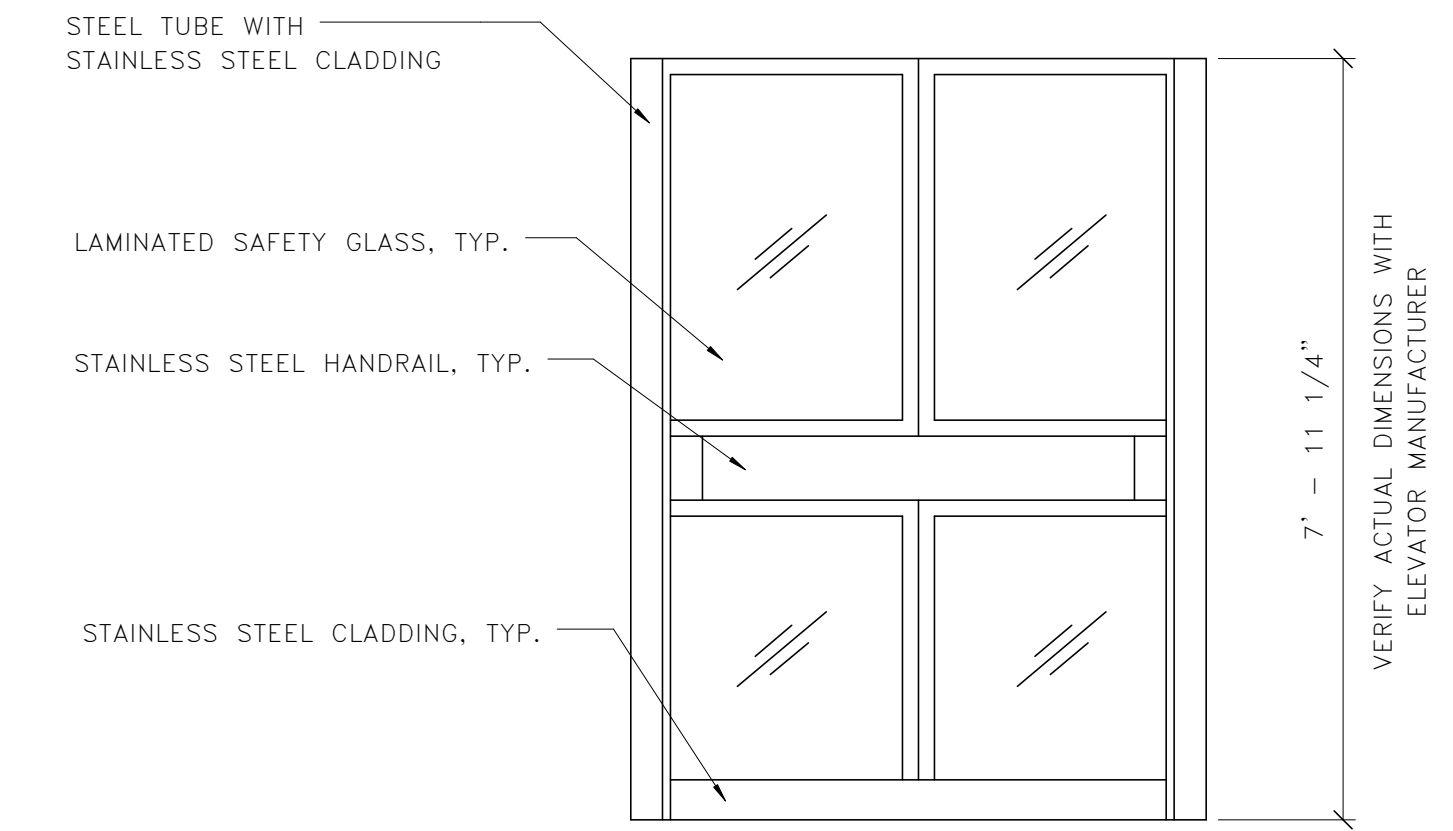
1. VERIFY ACTUAL DIMENSIONS WITH ELEVATOR MANUFACTURER.
2. ELEVATOR CAB CONTROLS, SIGNAGE, ETC. SHALL BE DESIGNED AND CONSTRUCTED TO COMPLY WITH APPLICABLE ACCESSIBILITY REQUIREMENTS
3. ELEVATOR HOISTWAY AND CAB GLAZING SHALL BE CLEAR LAMINATED FULLY TEMPERED FLOAT GLASS WITH SAFETY GLAZING LABELING
4. CONSULT WITH ELEVATOR MANUFACTURER FOR INTERIOR CAB DESIGN AND SPECIFICATIONS.



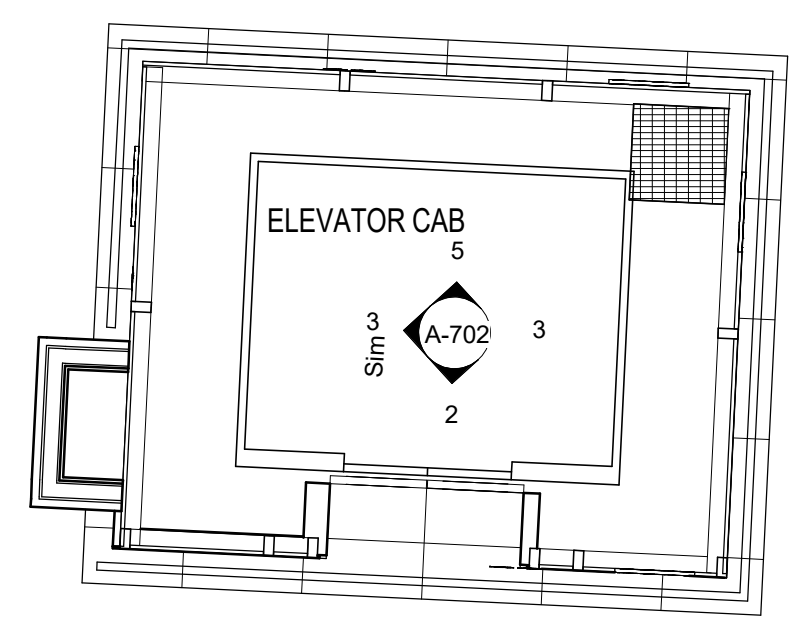
**1**  
ELEVATOR MEZZANINE LEVEL PLAN  
A-702 1/4" = 1'-0"



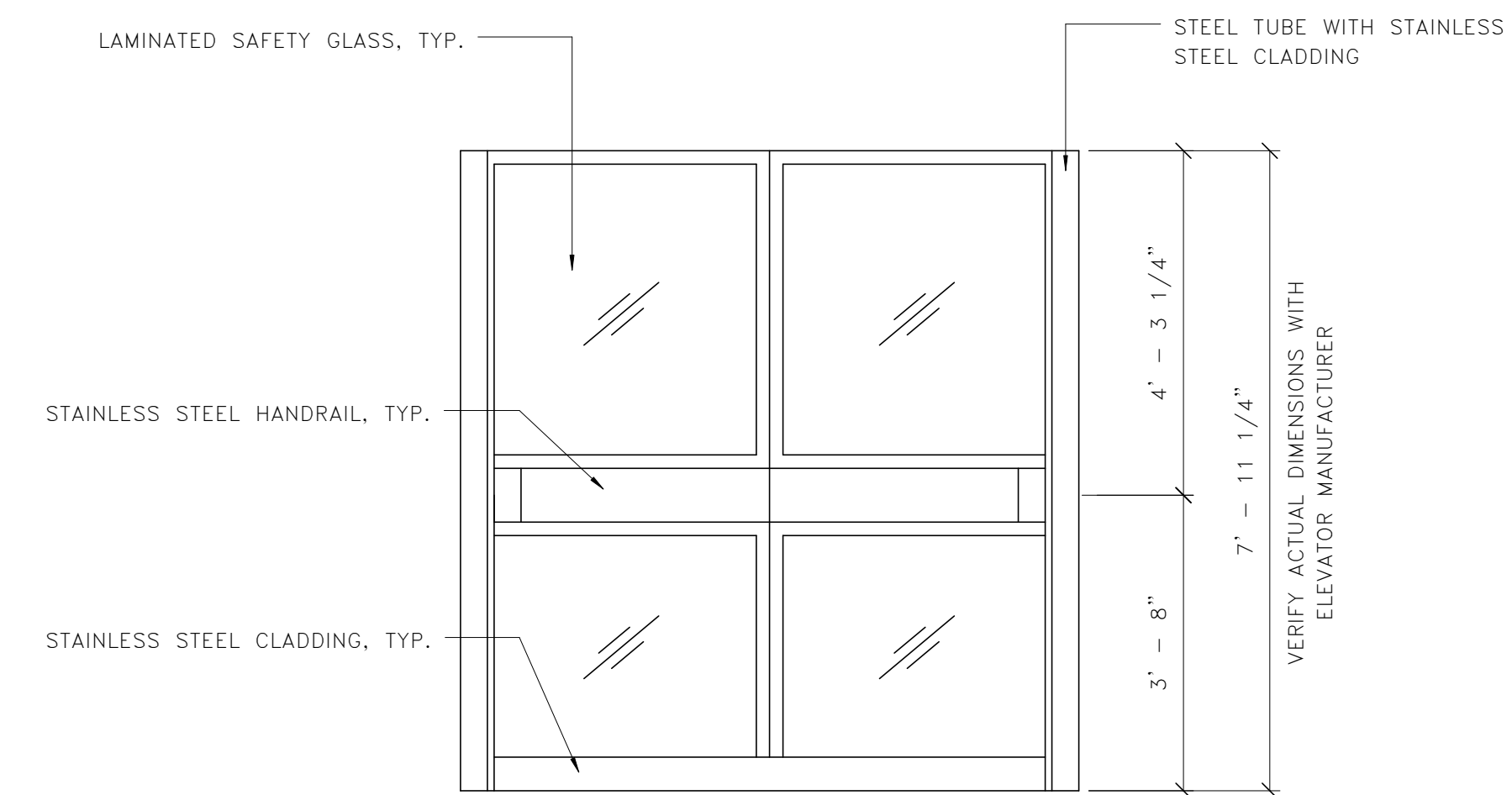
**2**  
CAB INTERIOR ELEVATION (DOORS)  
A-702 1/2" = 1'-0"



**3**  
CAB INTERIOR ELEVATIONS (SIDES)  
A-702 1/2" = 1'-0"

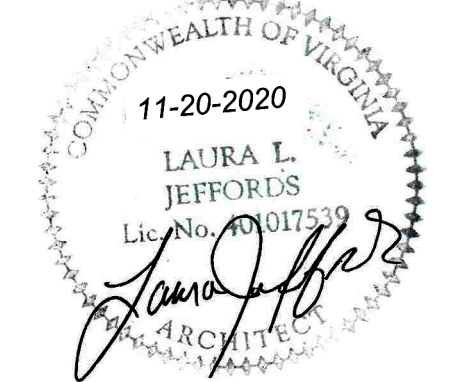


**4**  
ELEVATOR PLAZA LEVEL PLAN  
A-702 1/4" = 1'-0"



**5**  
CAB INTERIOR ELEVATION (REAR)  
A-702 1/2" = 1'-0"

Seal



Approvals Date

WMATA PROJECT MANAGER \_\_\_\_\_

FD&C BUREAU CHIEF \_\_\_\_\_

FD&C PROJECT MANAGER \_\_\_\_\_

TRANSIT BUREAU CHIEF \_\_\_\_\_

TRANSIT PROJECT MANAGER \_\_\_\_\_

WATER, SEWER STREETS BUREAU CHIEF \_\_\_\_\_

TRANSPORTATION DIRECTOR \_\_\_\_\_

Revisions Date

ISSUED FOR CONSTRUCTION 11-20-2020

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Designed: AK

Drawn: ZS

Checked: HS

Miss Utility Transmittal #:

Filename: 2515872\_A-3D0000.rvt

Path: I:\Projects\2515872\

Plotted: 5/5/2020 3:42:30 PM

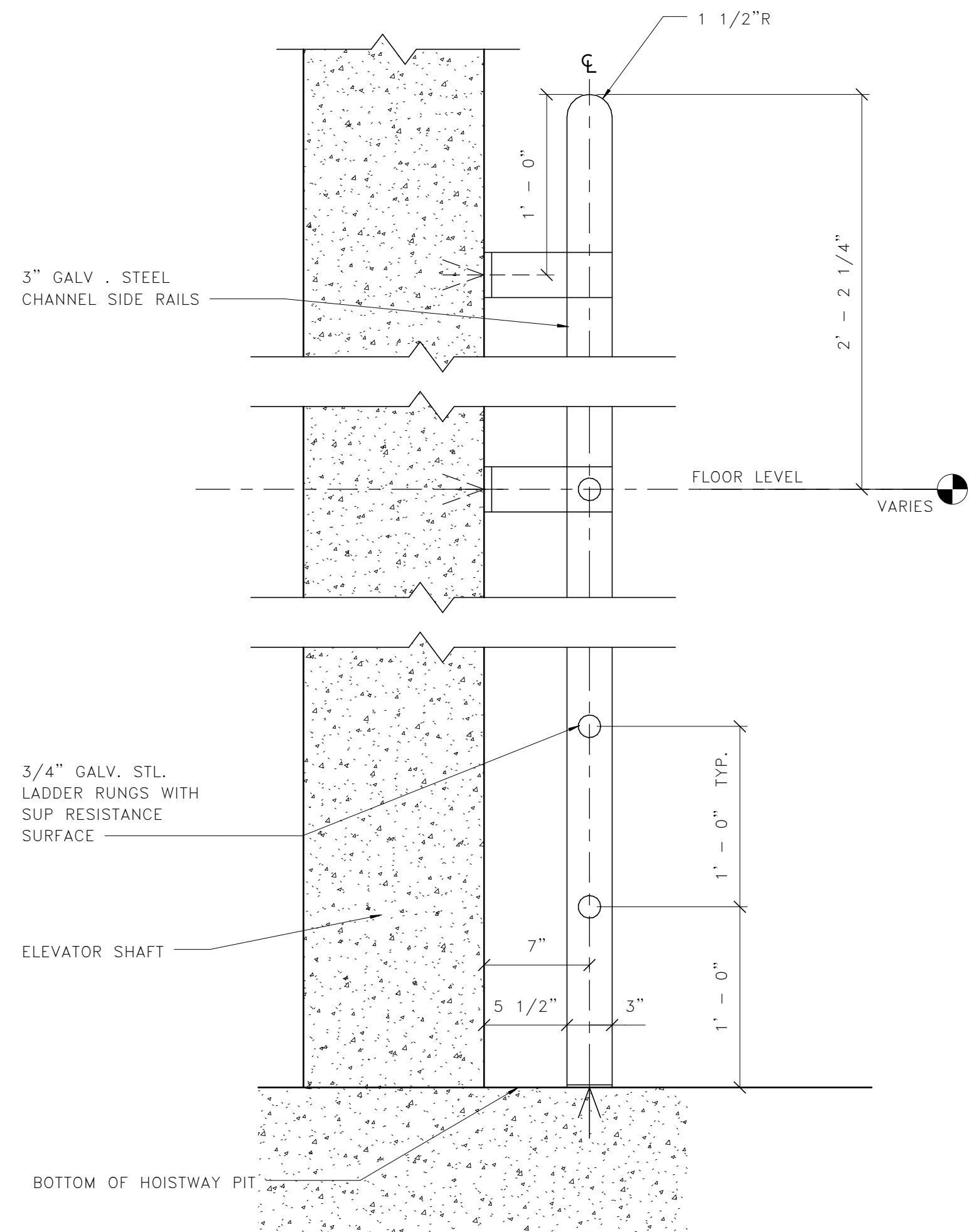
Plotted by:

Scale: As indicated

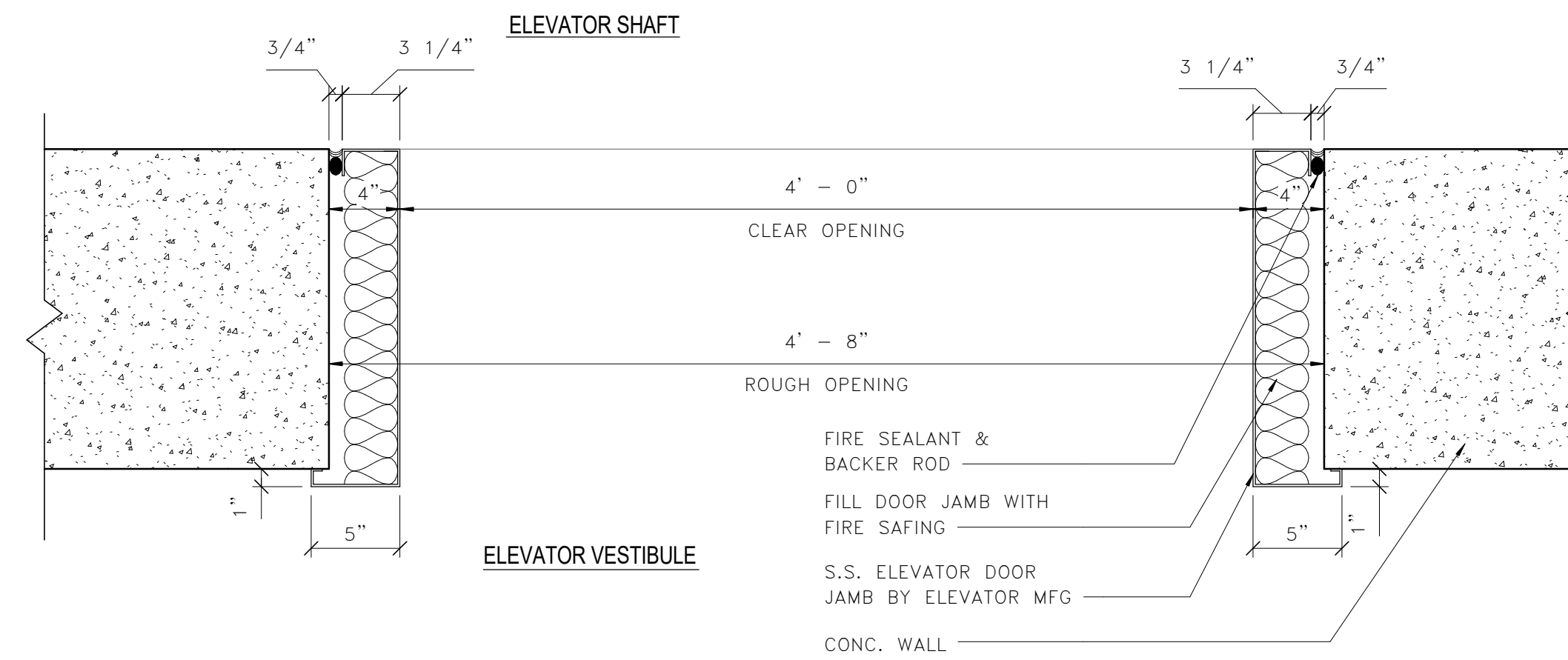
100% PLANS - FOR CONSTRUCTION

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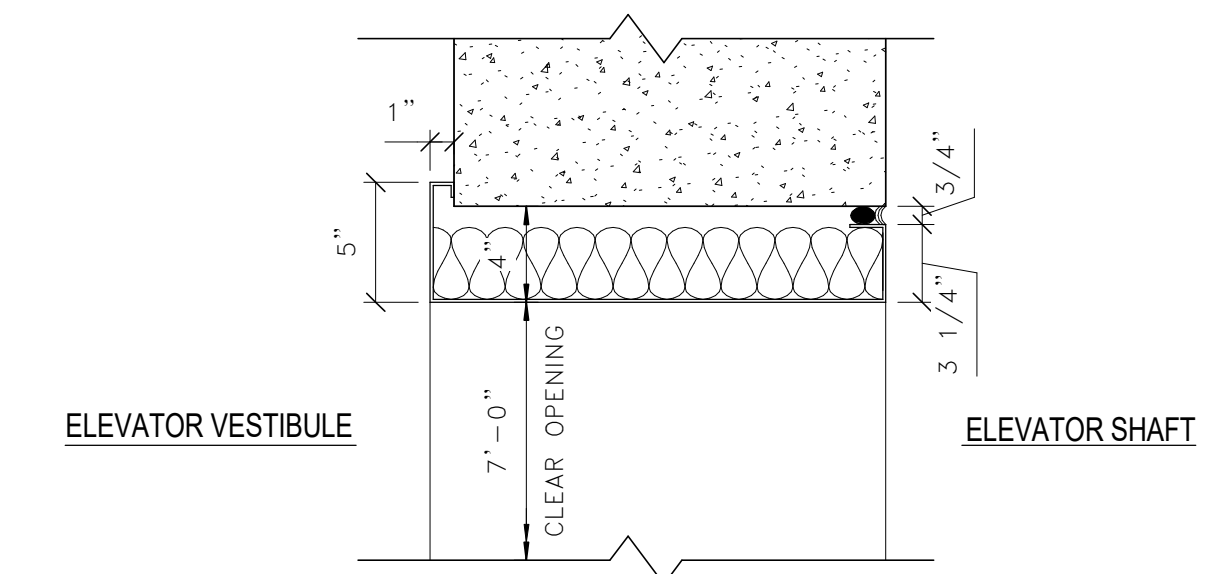
Pentagon City Station Second Elevator Project



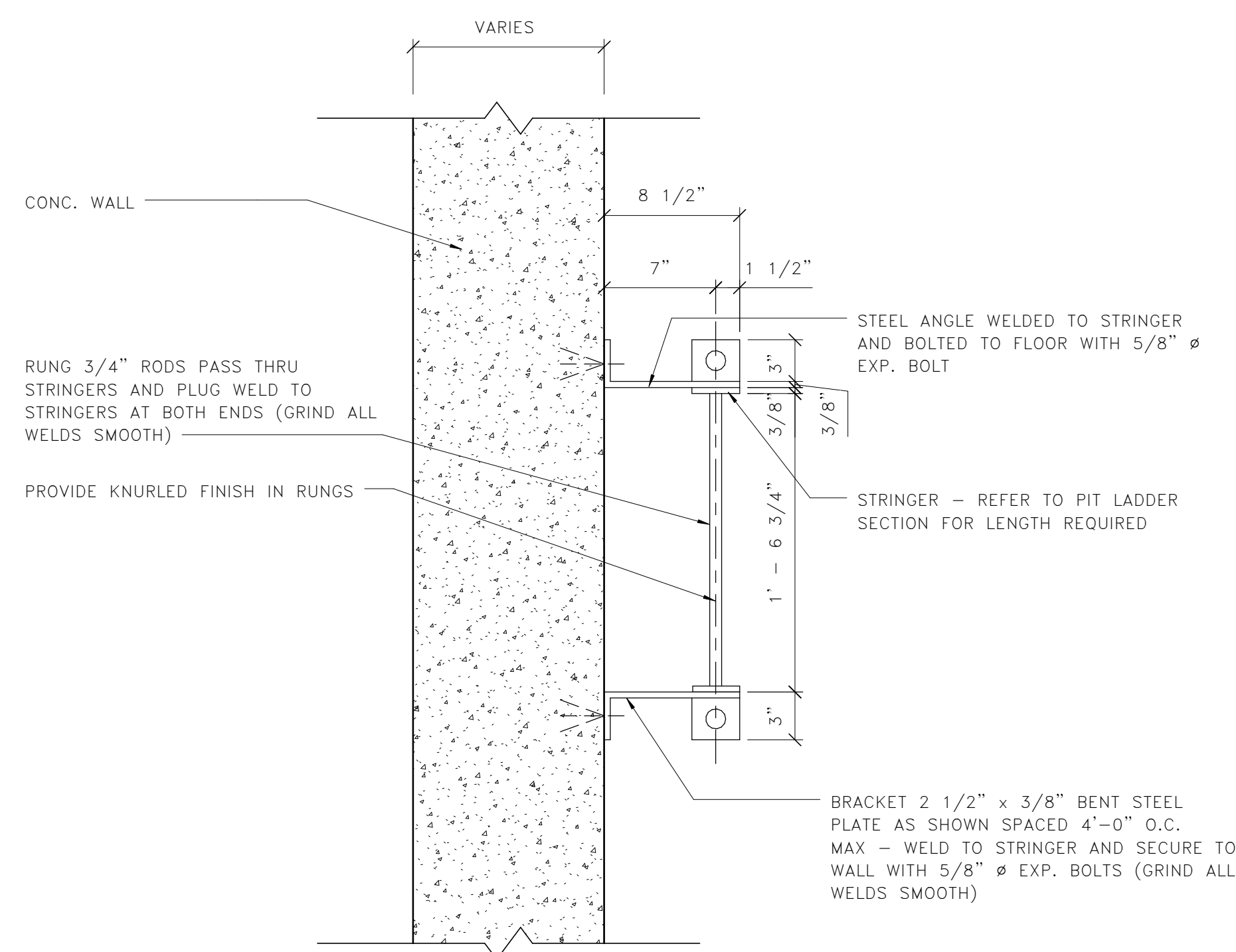
**1 PIT LADDER SECTION**  
A-703 1 1/2" = 1'-0"  
0 6" 1' 16"



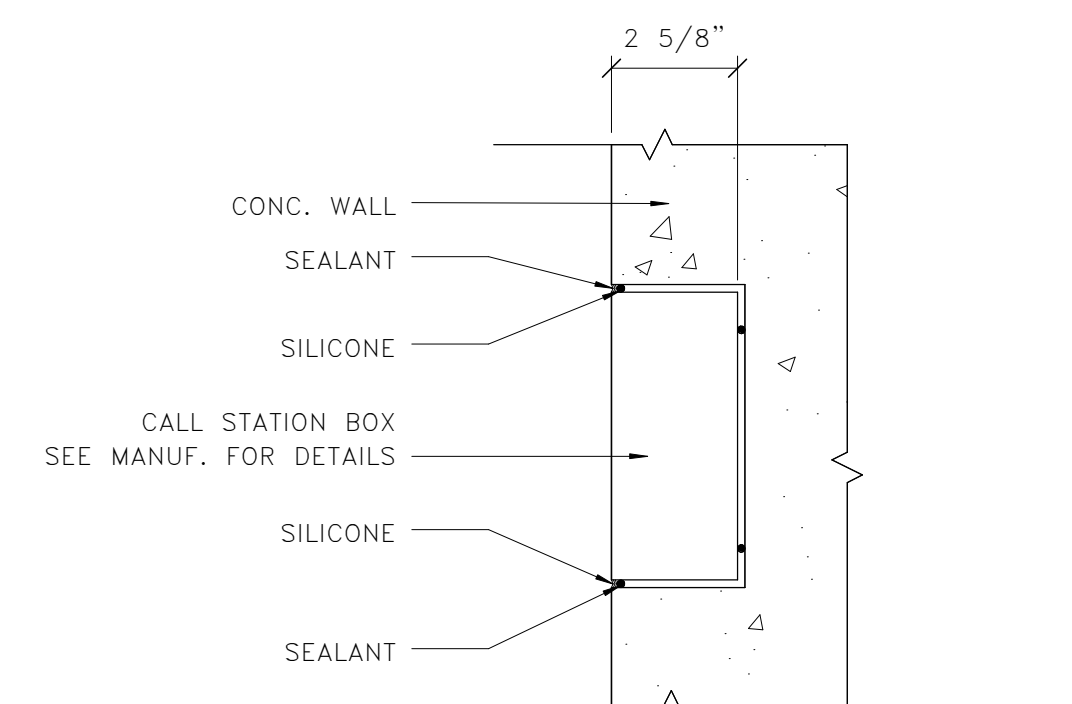
**2 ELEVATOR DOOR JAMB DETAIL AT VESTIBULE**  
A-703 1 1/2" = 1'-0"  
0 6" 1' 16"



**3 ELEVATOR DOOR HEAD DETAIL AT VESTIBULE**  
A-703 1 1/2" = 1'-0"  
0 6" 1' 16"



**4 PIT LADDER**  
A-703 1 1/2" = 1'-0"  
0 6" 1' 16"



**5 DETAIL AT CALL STATION**  
A-703 3" = 1'-0"  
0 3" 6" 9"

NOTE:  
1. STEEL LADDER SHALL BE GALVANIZED STEEL. SUBMIT SHOP DRAWINGS FOR ALL LOCATIONS  
2. PROVIDE LADDER EXTENSION BRACKETS AS REQUIRED.

Seal



Approvals Date

WMATA PROJECT MANAGER

FD&C BUREAU CHIEF

FD&C PROJECT MANAGER

TRANSIT BUREAU CHIEF

TRANSIT PROJECT MANAGER

WATER, SEWER STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

Revisions Date

ISSUED FOR CONSTRUCTION 11-20-2020

Project Name and Location  
**Pentagon City Station  
Elevator Project**  
Waterproofing Sheet 1 of 4  
South Hayes Street  
AWP-101

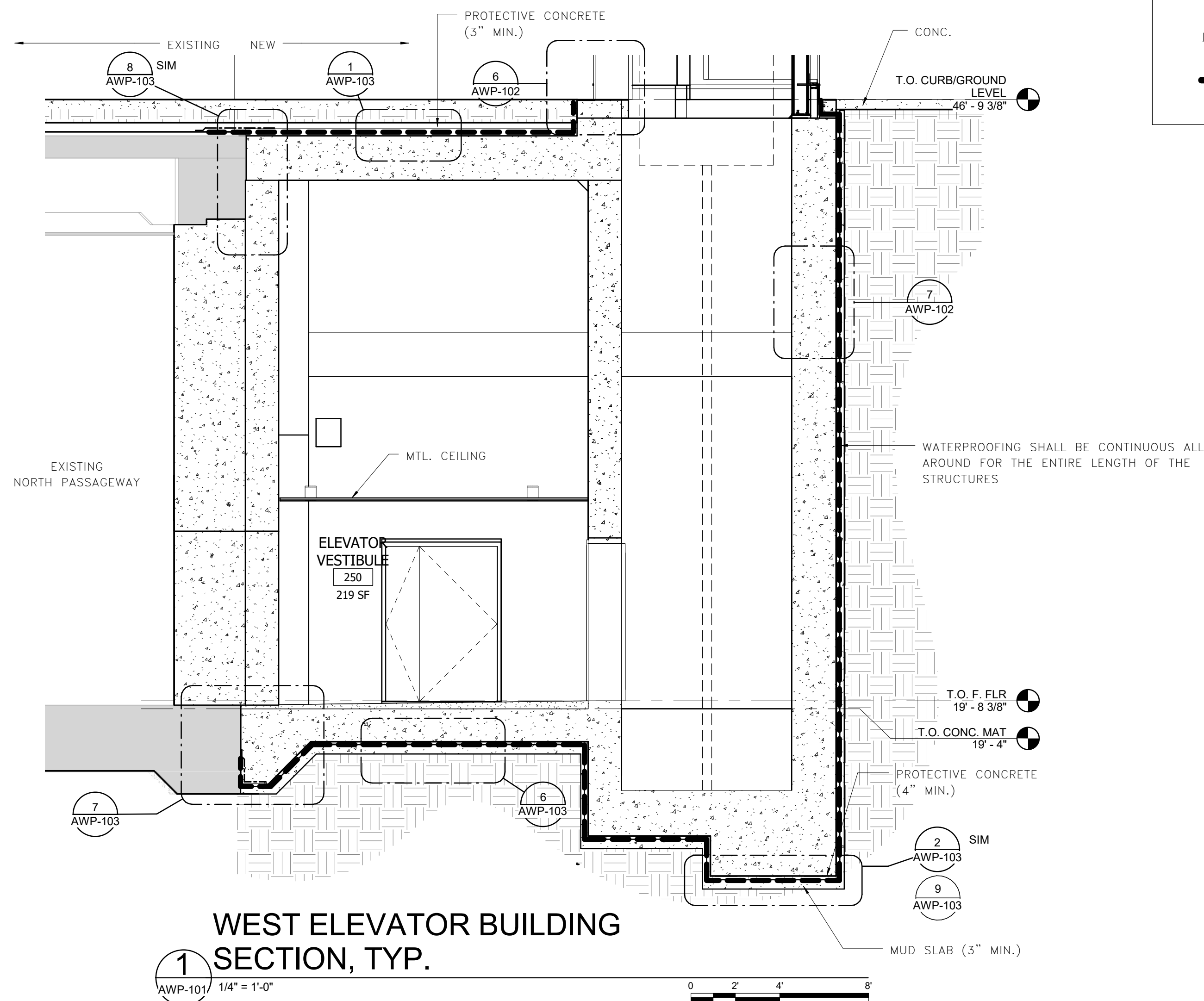
Designed: LJ  
Drawn: ZS  
Checked: HS  
Miss Utility Transmittal #:

Filename: 2515872\_A-3D0000.rvt  
Path: I:\Projects\2515872\  
Plotted: 5/5/2020 3:42:37 PM  
Plotted by:

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

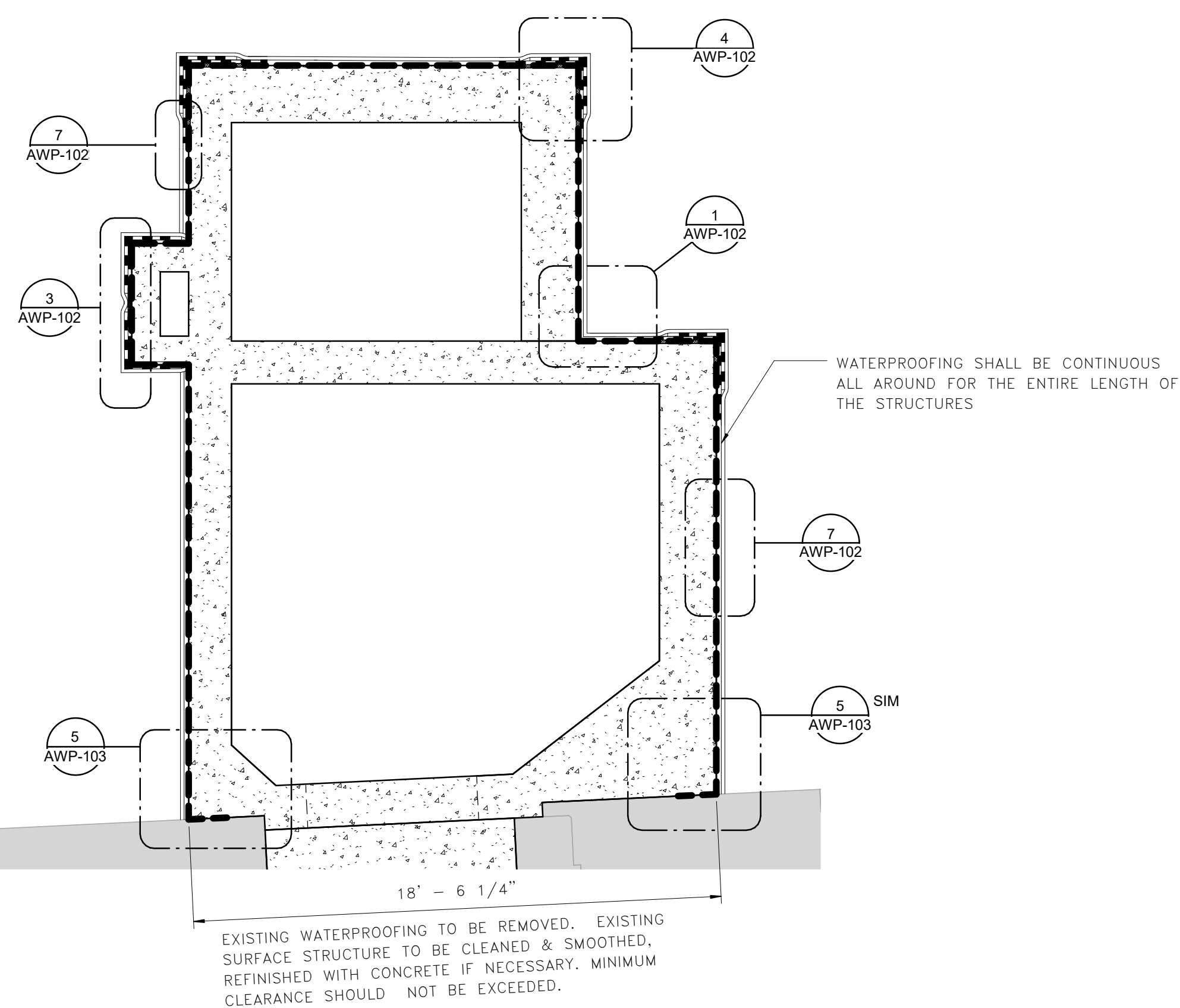
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**1 WEST ELEVATOR BUILDING SECTION, TYP.**

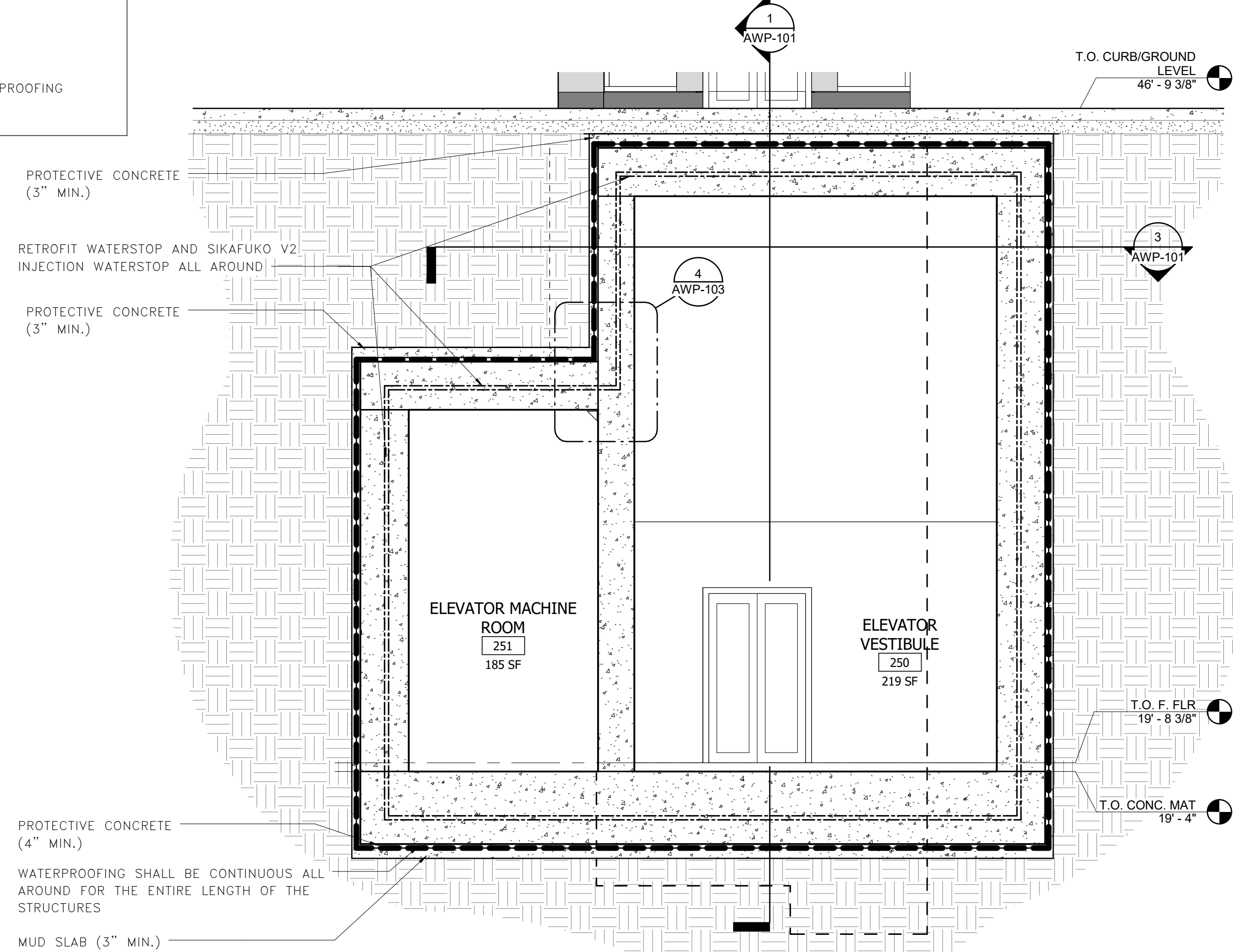
AWP-101/ 1/4" = 1'-0"



**3 WATERPROOFING PLAN VIEW BELOW STREET LEVEL**

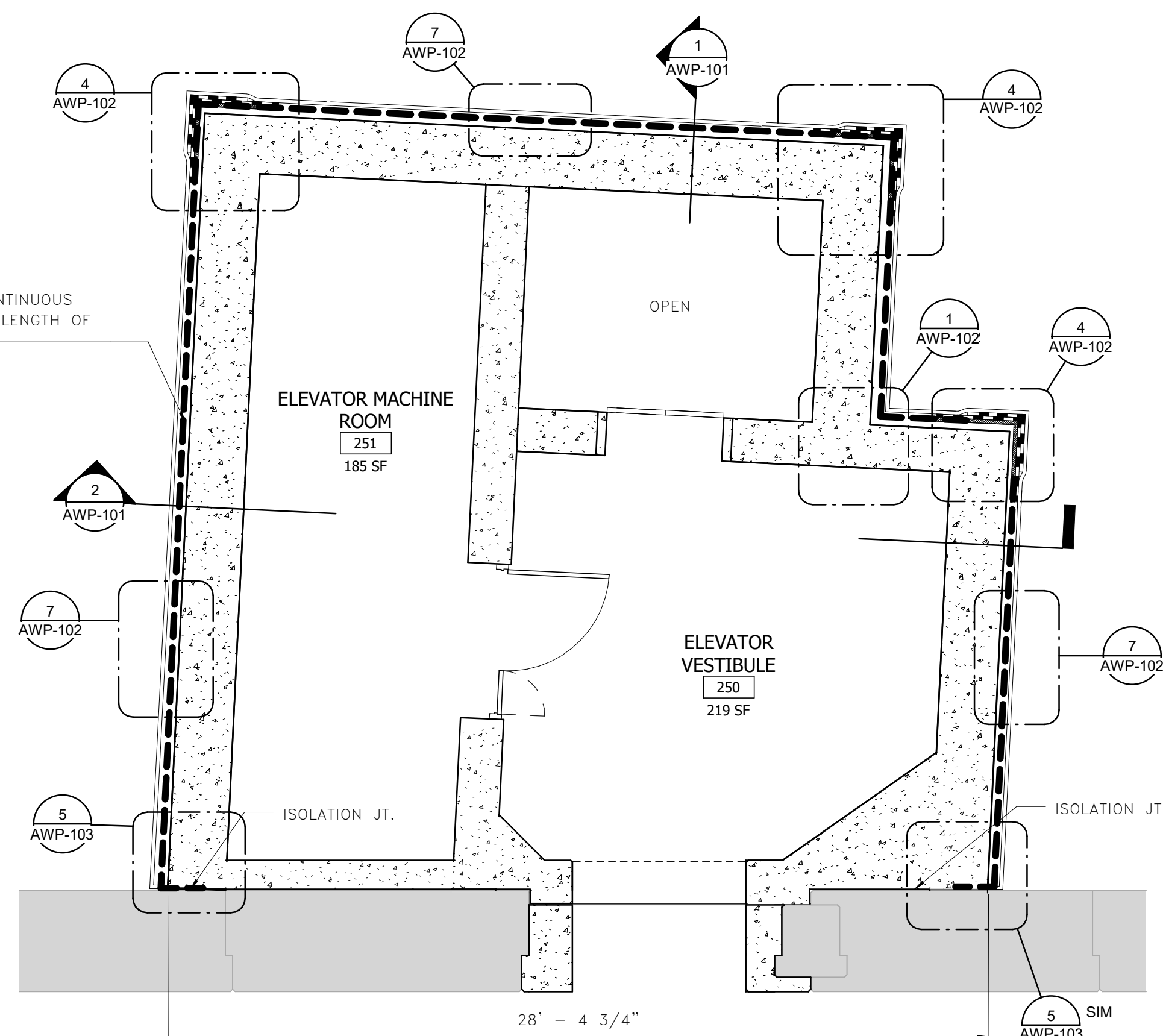
AWP-101/ 1/4" = 1'-0"

LEGEND:  
--- EXTENT OF WATERPROOFING



**2 SECTION @ VESTIBULE**

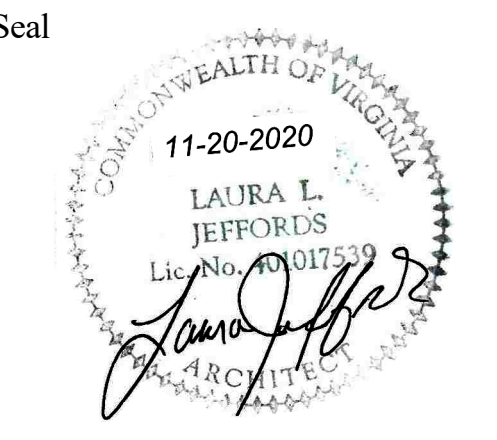
AWP-101/ 1/4" = 1'-0"



**4 WATERPROOFING PLAN VIEW VESTIBULE LEVEL**

AWP-101/ 1/4" = 1'-0"





Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

Project Name and Location  
**Pentagon City Station Elevator Project**  
Waterproofing Sheet 2 of 4  
South Hayes Street  
AWP-102

Designed: AK  
Drawn: ZS  
Checked: HS  
Miss Utility Transmittal #:

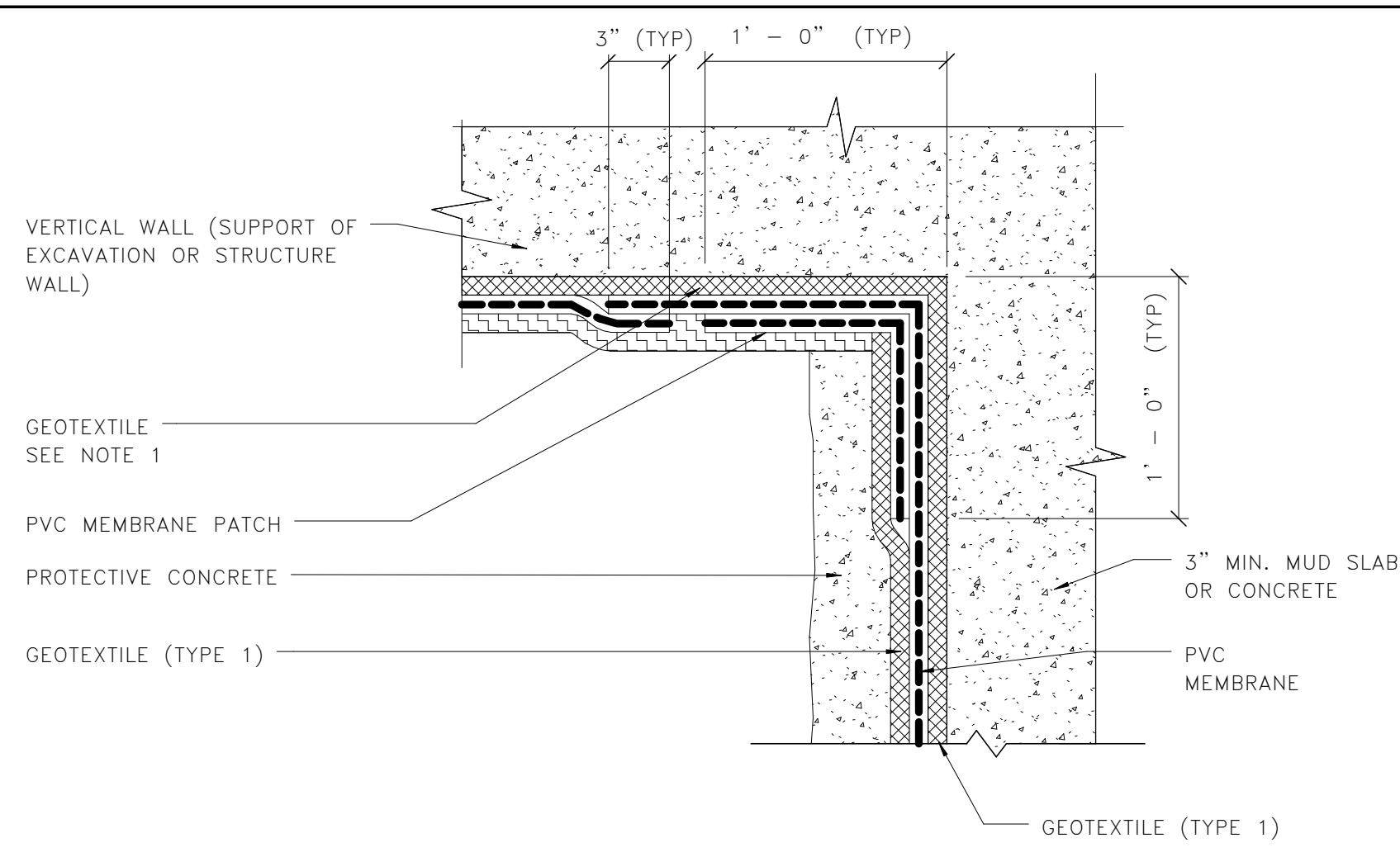
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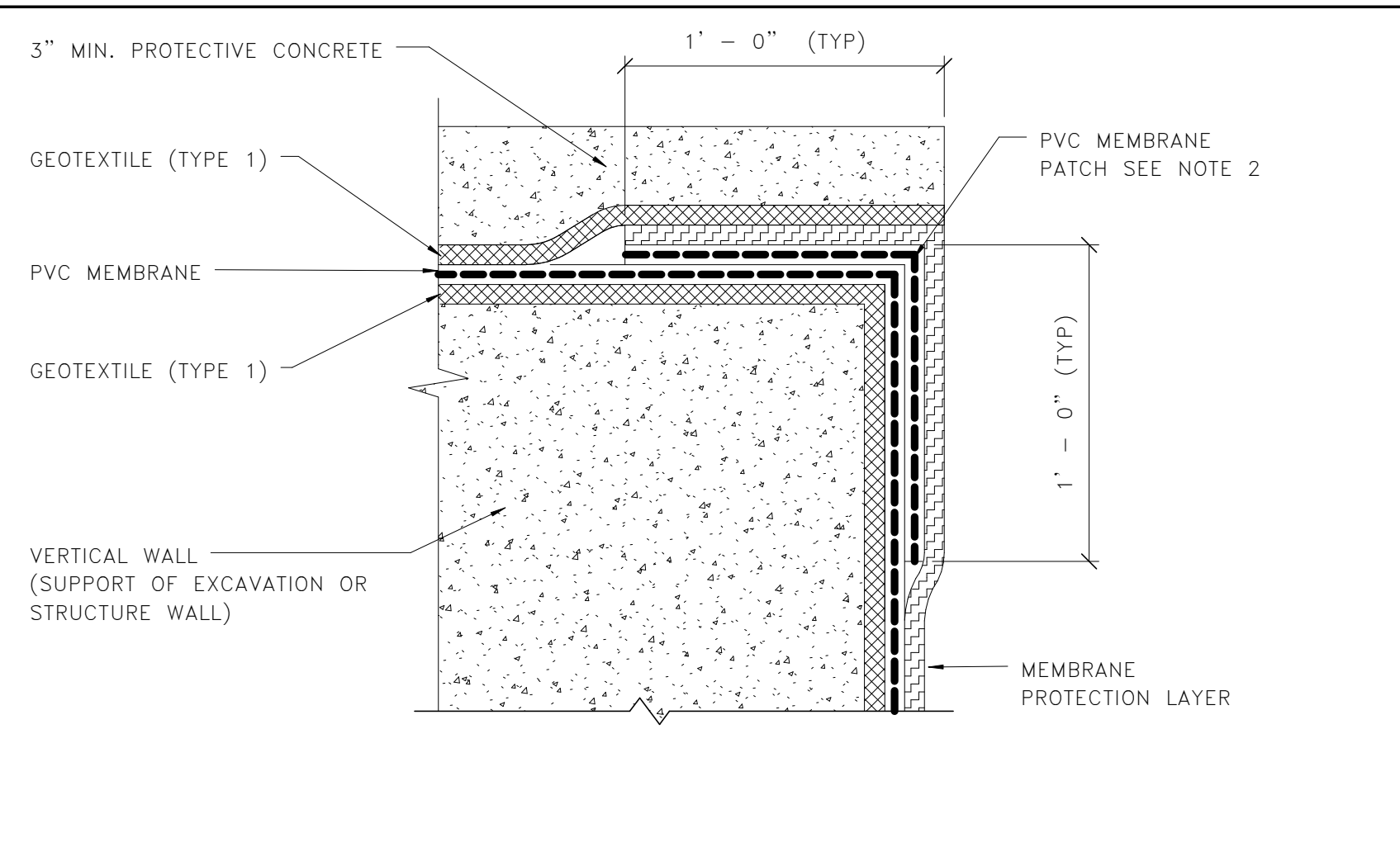
100% PLANS - FOR CONSTRUCTION

**NOTES**

1. GEOTEXTILE  
TYPE 1: 22 OZ/SY (285 MIL)  
TYPE 2: 28 OZ/SY (400 MIL)  
USE TYPE 1 AGAINST STRUCTURE WALL AND TYPE 2 AGAINST SUPPORT OF EXCAVATION. CHAMFER ALL CORNERS TO WHICH WATERPROOFING IS TO BE APPLIED.
2. PVC MEMBRANE  
SHALL BE NON REINFORCED 2.5MM (100 MIL) THICK WELD PATCH USING CONTINUOUS HOT WELD SEAMS TO MEMBRANE ON EVERY END. PVC MEMBRANE PATCH TO BE INSTALLED ONLY ON CORNERS.
3. WATER BARRIER INTERSECTION  
PREMANUFACTURED BY MANUFACTURER OR AT WORKSHOP ON SITE. HANDWELD SPLICES BY SIDE WELD SEAMS. OTHER INTERSECTION TYPES USE SIMILAR CONNECTION.
4. PVC PIPE  
WHEN IN PUBLIC AREAS: PROVIDE PVC PIPE WITH INSIDE THREADS AND REMOVABLE END CAP FLUSH WITH THE CONCRETE. WHEN NOT VISIBLE IN PUBLIC AREAS: 4" WITH OPEN END.
5. APPLY SILICONE PASTE OR EQUAL BETWEEN PVC PIPE AND SLEEVE.
6. BENTONITE COMPOSITE WATERSTOP, AND PVC WATERSTOP (DUMBBELL TYPE, CENTER BULB, 9 INCH WIDTH, 3/8 INCH STEM THICKNESS, 3/4 INCH BULBS) ARE TYPICAL FOR EXTERIOR TRANSVERSE CONTRACTION AND CONSTRUCTION JOINTS IN ROOFS, WALLS AND INVERT SLABS. PROVIDE BOND BREAKER AT CONTRACTION JOINTS ONLY.
7. PVC WATERSTOP IN HORIZONTAL LONGITUDINAL DIRECTION SHALL BE LINED UP & WELDED TO VERTICAL PVC WATERSTOP AT TRANSVERSE CONTRACTION JOINTS.

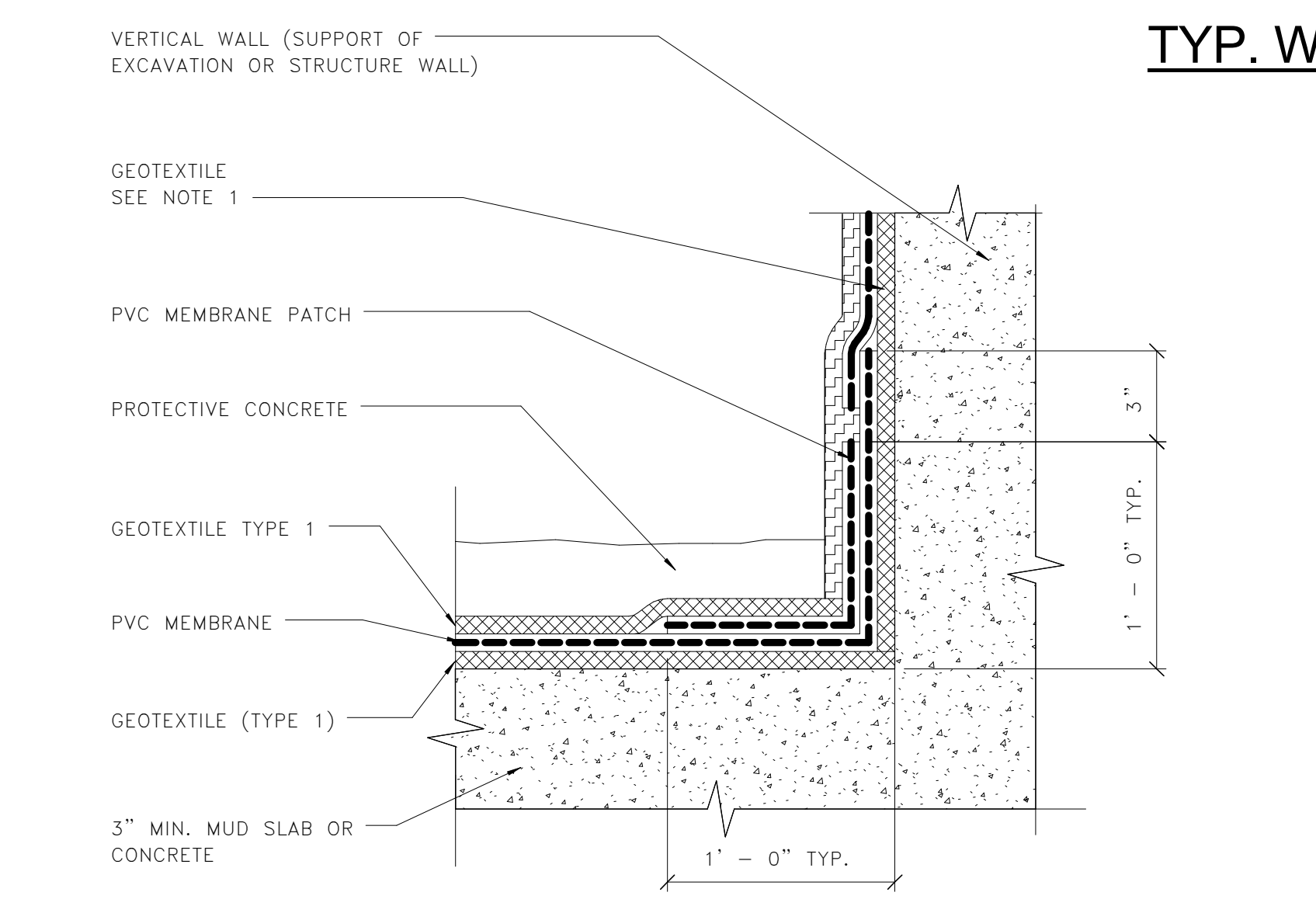


**1 AT INSIDE CORNER**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'

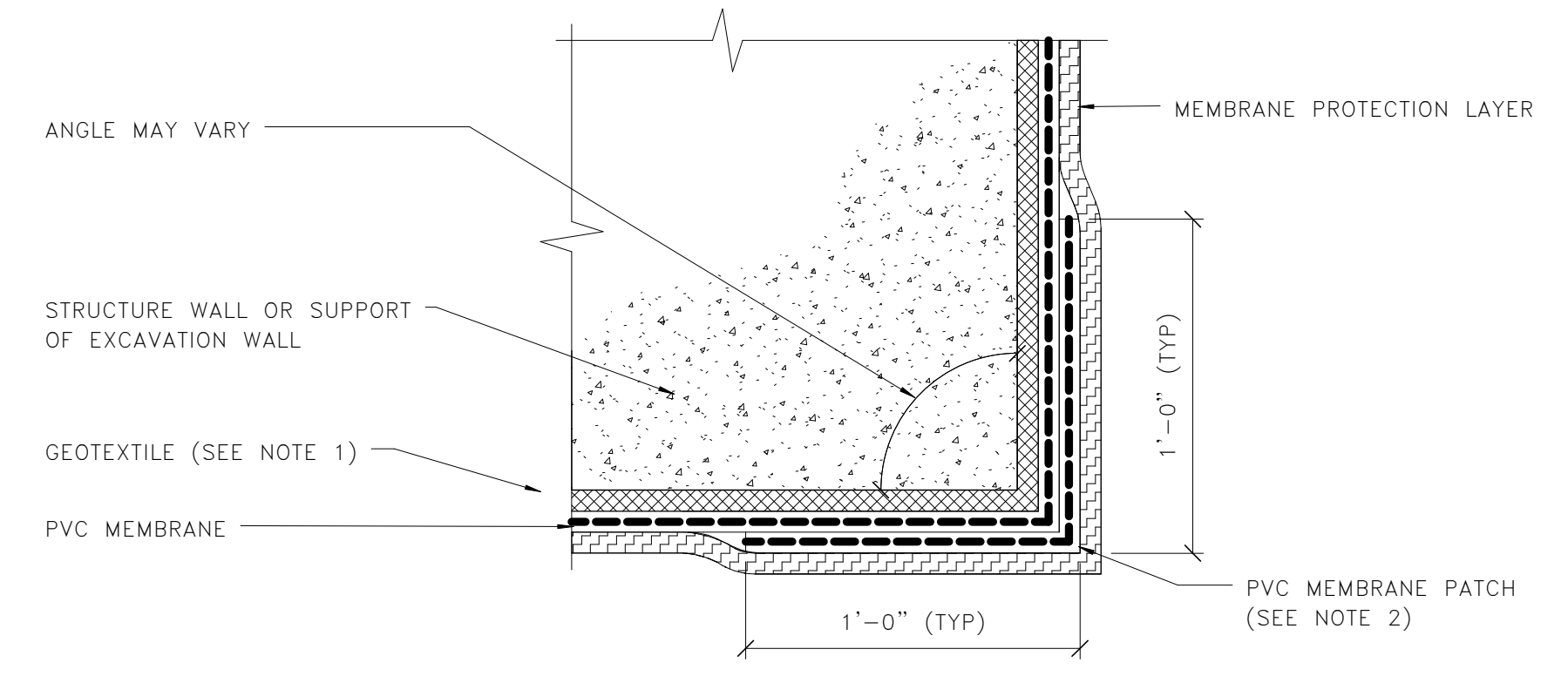


**2 AT OUTSIDE CORNER**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'

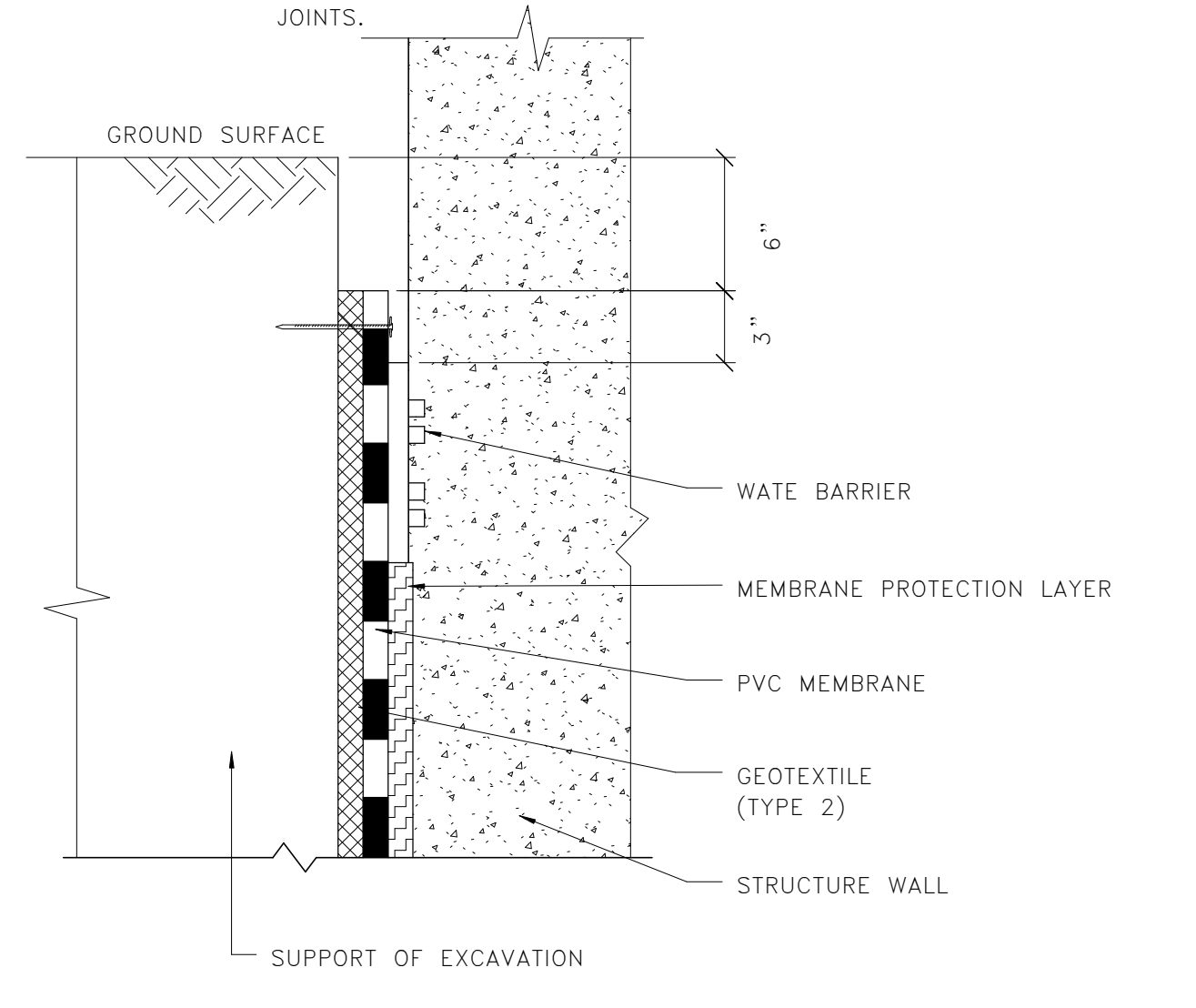
**TYP. WATERPROOFING SLAB / WALL TRANSITION**



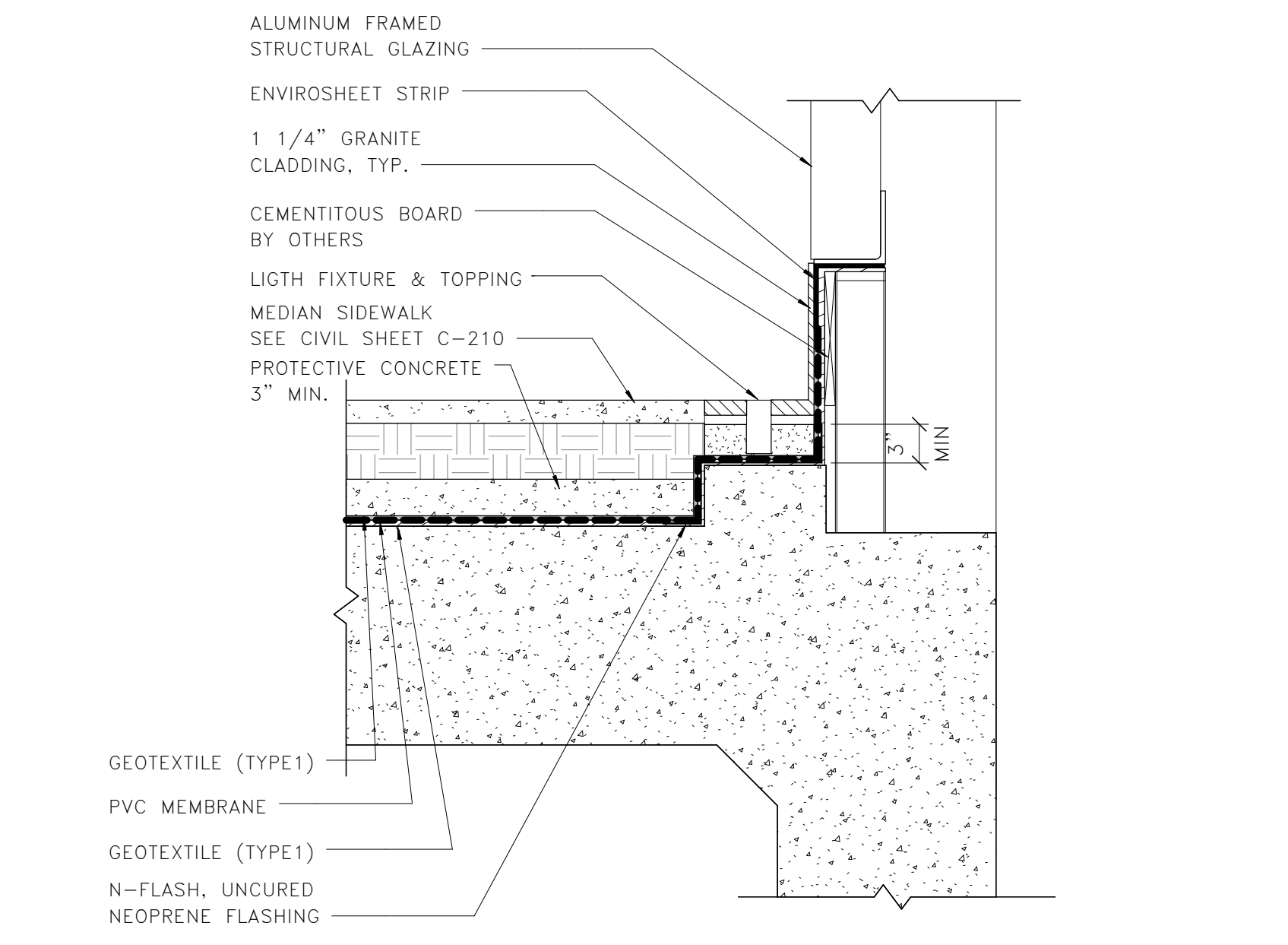
**3 AT VERTICAL INSIDE CORNER**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'



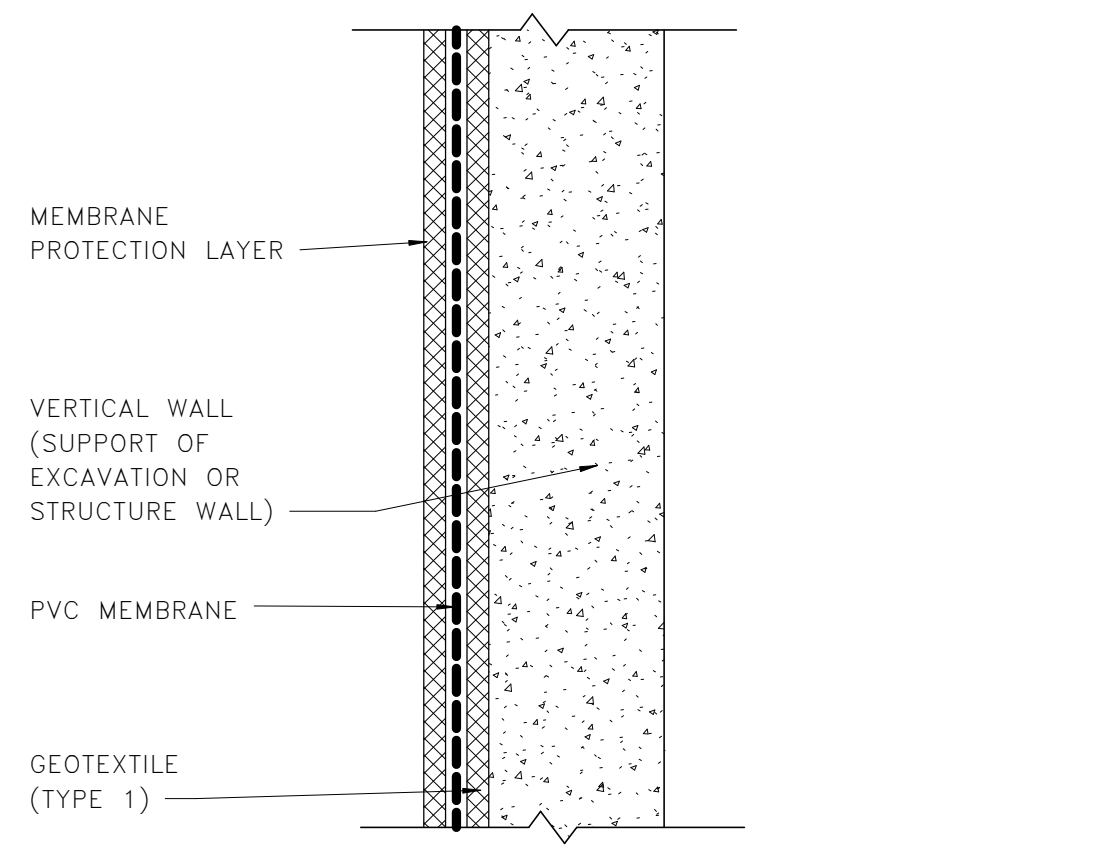
**4 WATERPROOFING TRANSITION - OUTSIDE CORNERS**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'



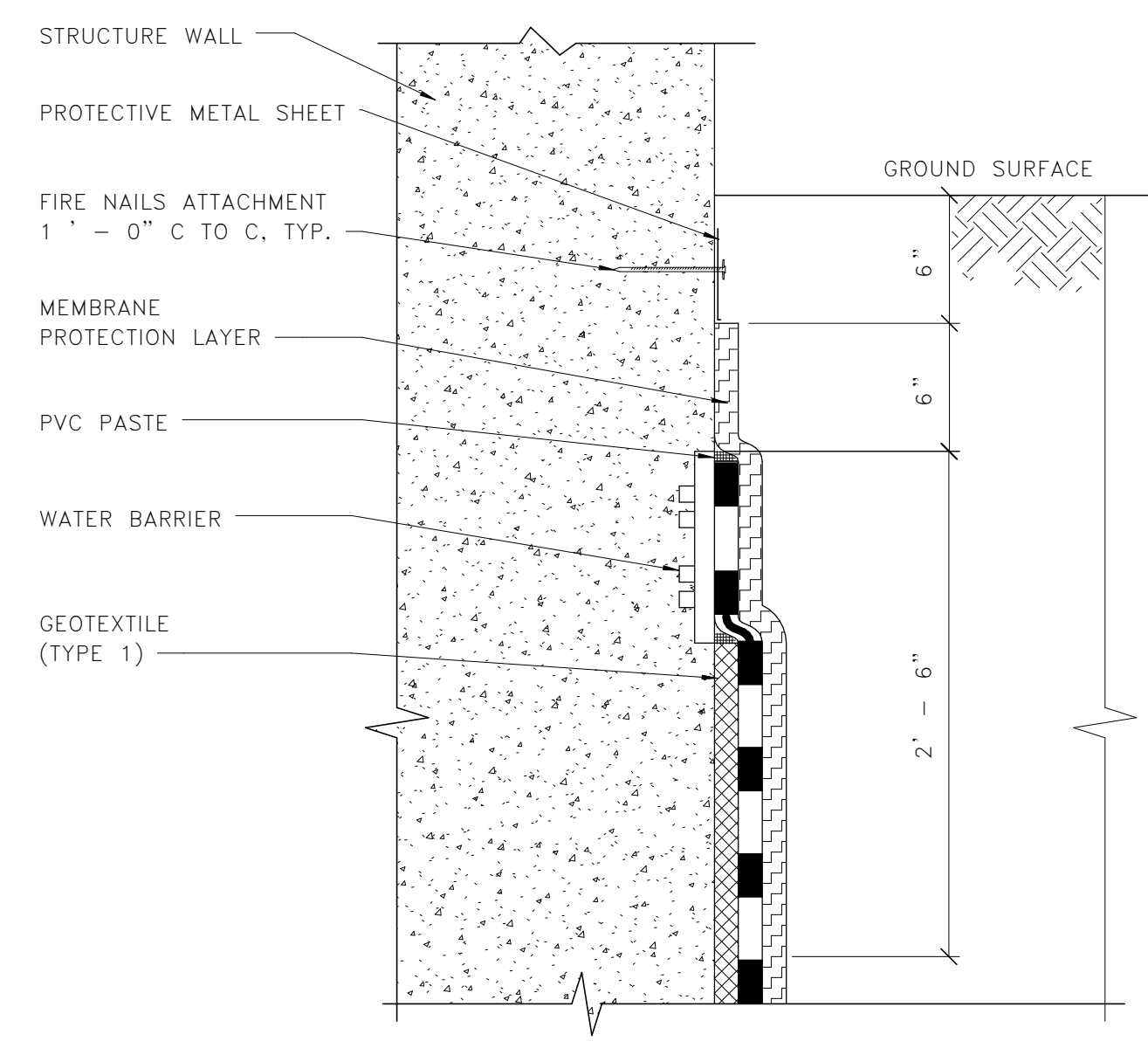
**5 AT SUPPORT OF EXCAVATION WALL**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'



**6 WATERPROOFING TERMINATION DETAIL**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'



**7 WATERPROOFING DETAIL AT VERTICAL WALLS**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'



**8 AT STRUCTURE WALL**  
AWP-102/ 1" = 1'-0"  
0 6" 1' 2'



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
<b>ISSUED FOR CONSTRUCTION</b>	<b>11-20-2020</b>

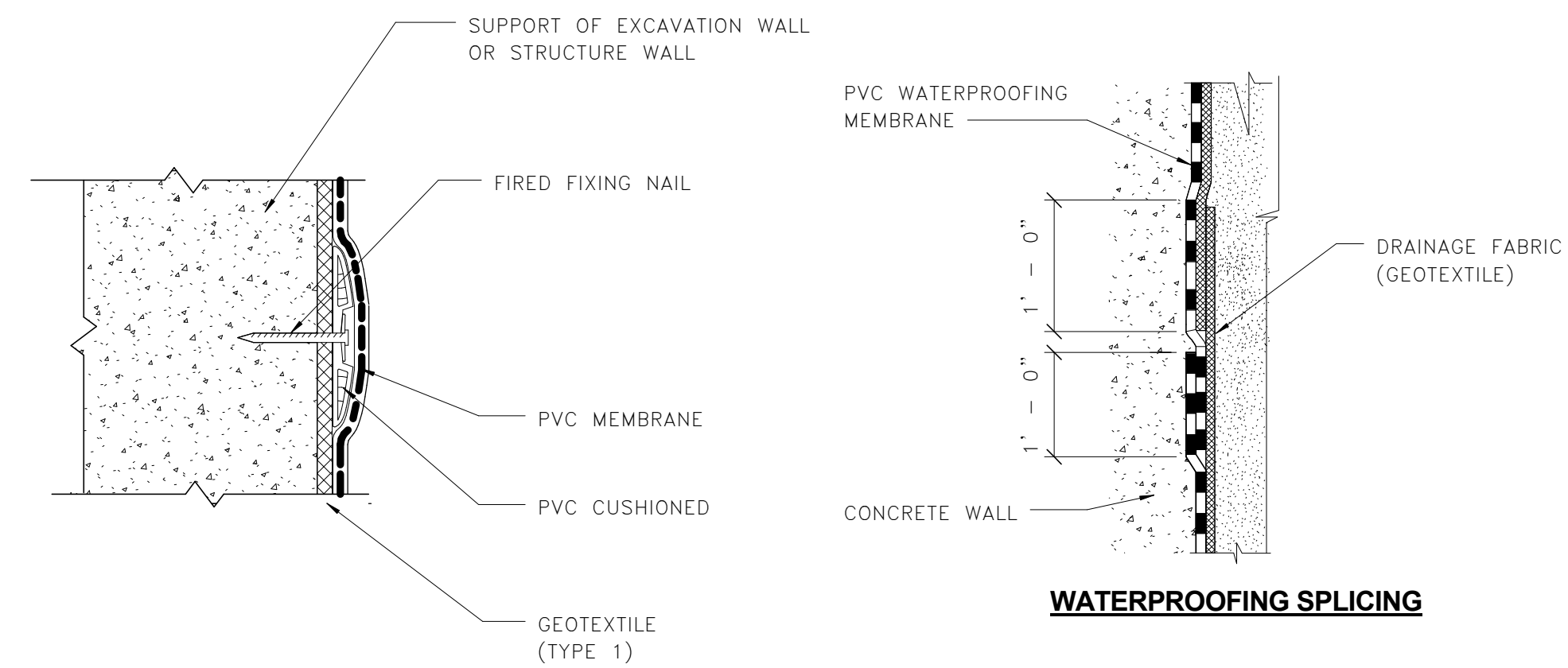
Project Name and Location  
**Pentagon City Station  
 Elevator Project**  
 Waterproofing Sheet 3 of 4  
 South Hayes Street  
**AWP-103**

Designed: AK  
 Drawn: ZS  
 Checked: HS  
 Miss Utility Transmittal #:

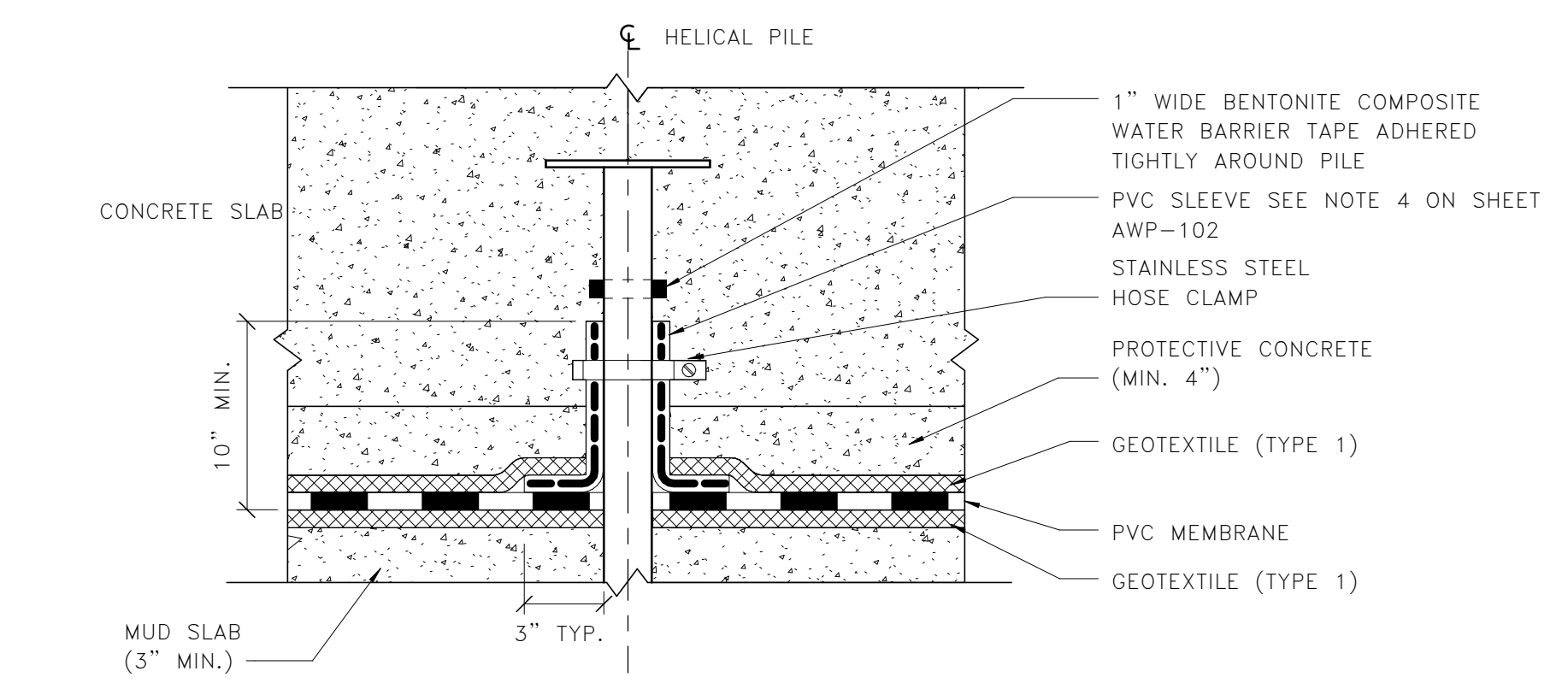
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 Plotted: 5/5/2020 3:42:43 PM  
 Plotted by:

Scale: As indicated

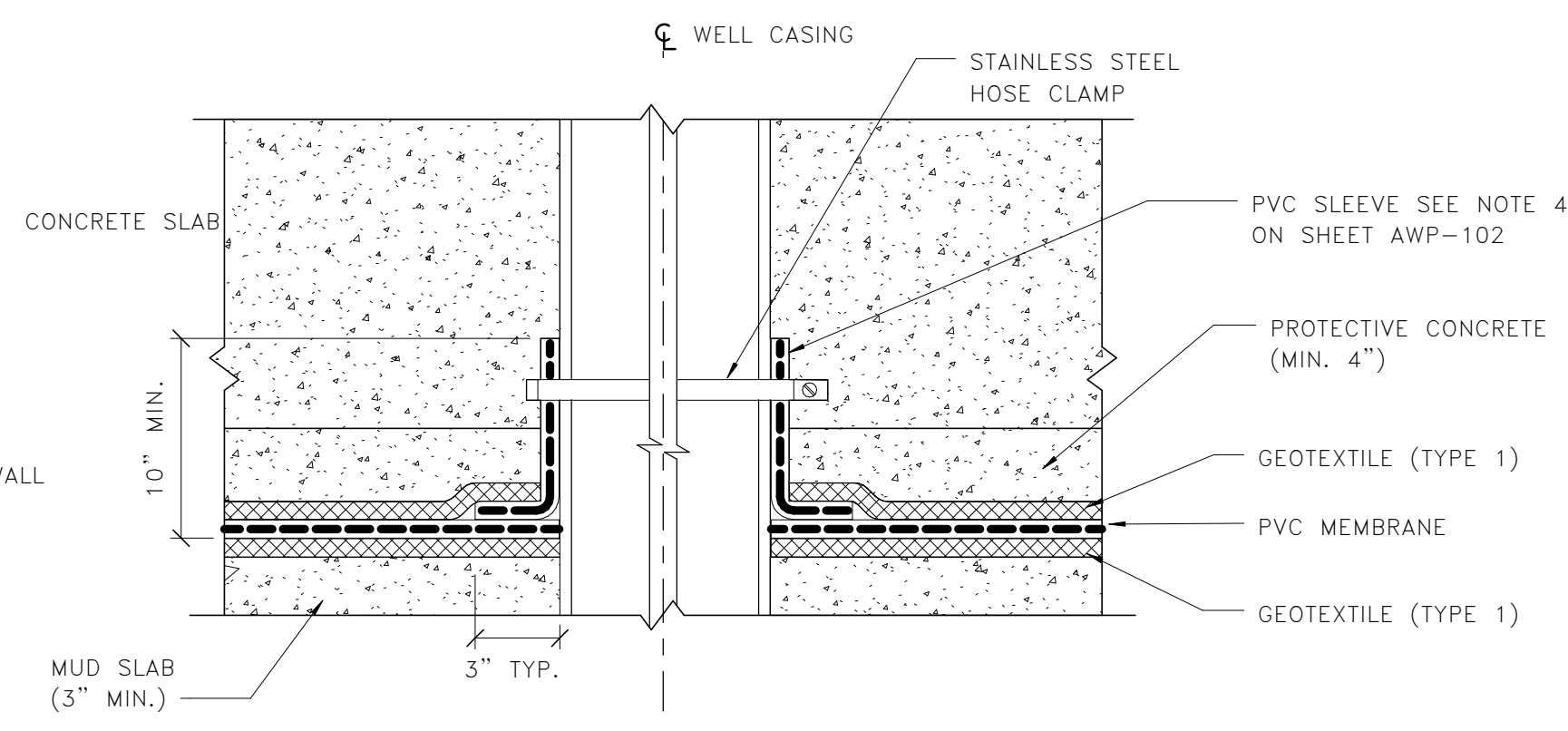
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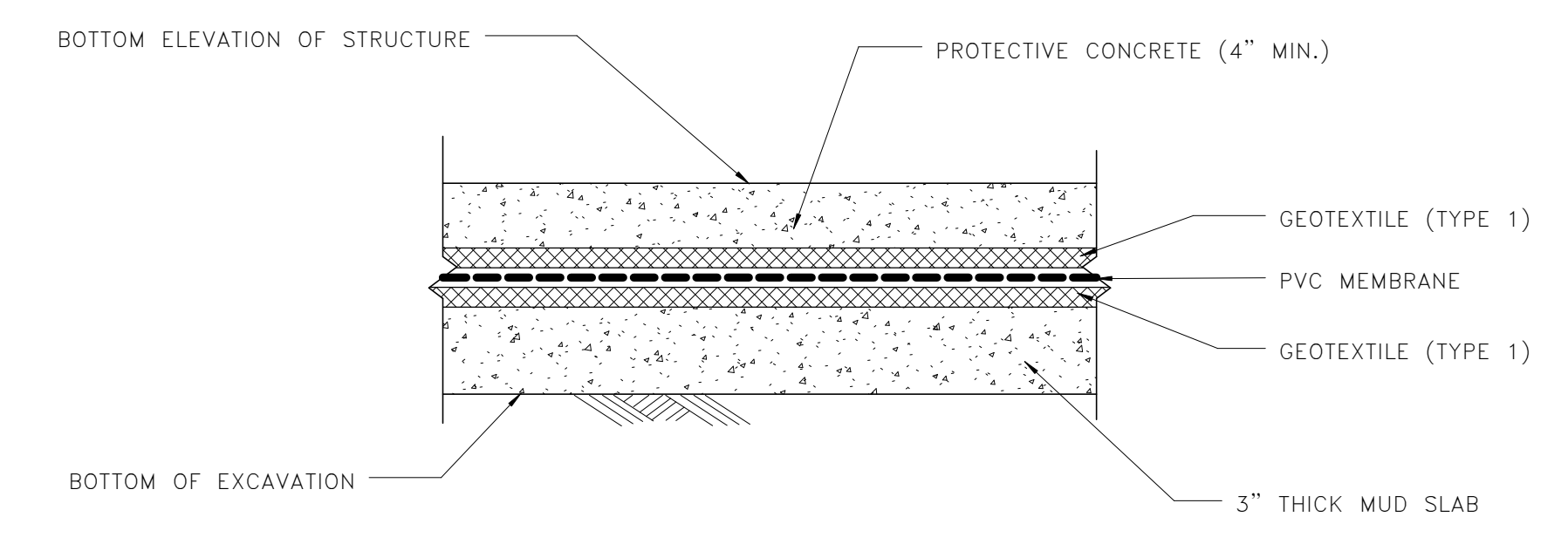
**3** **DETAIL - WATERPROOFING SPLICE**  
AWP-103 1/2" = 1'-0"



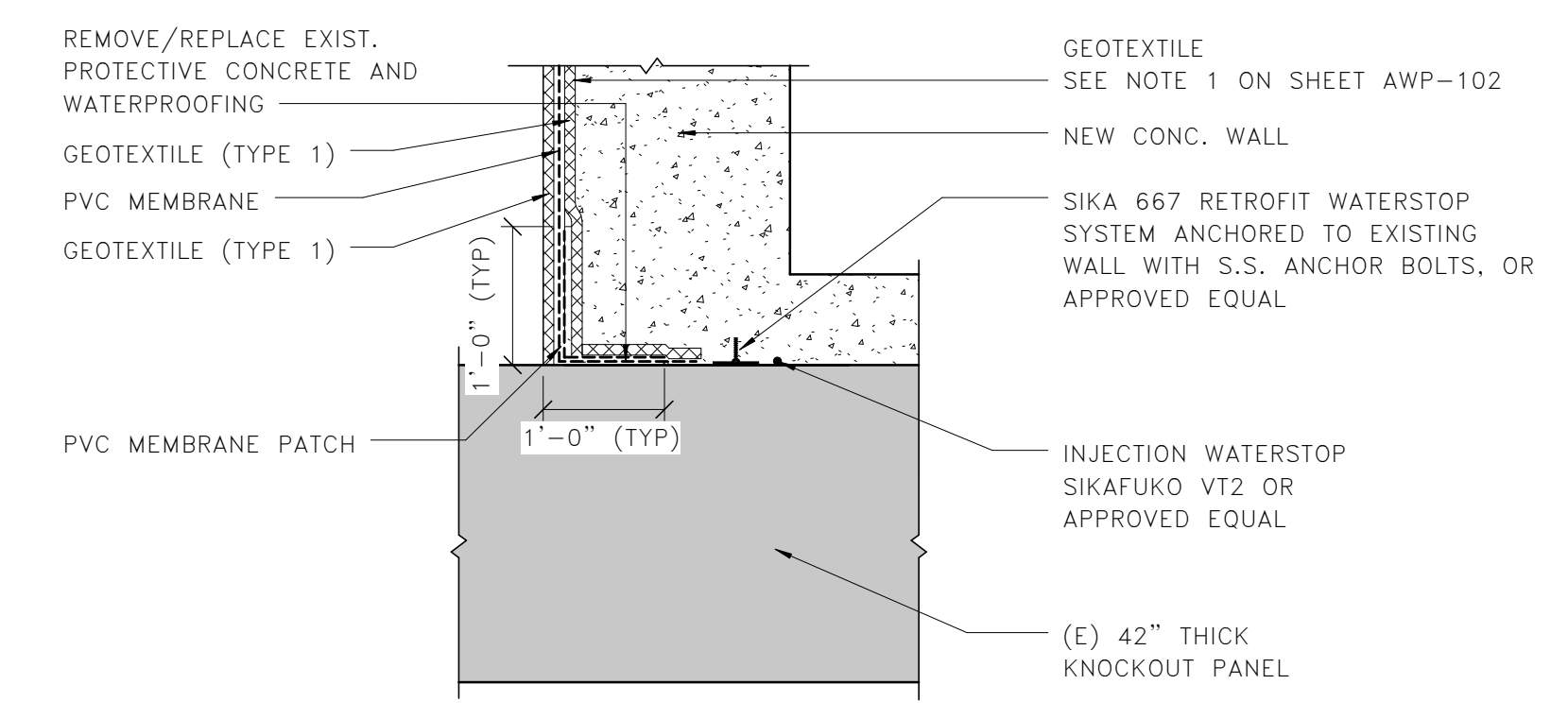
**6** **WATERPROOFING AT HELICAL PILE**  
AWP-103 1" = 1'-0"



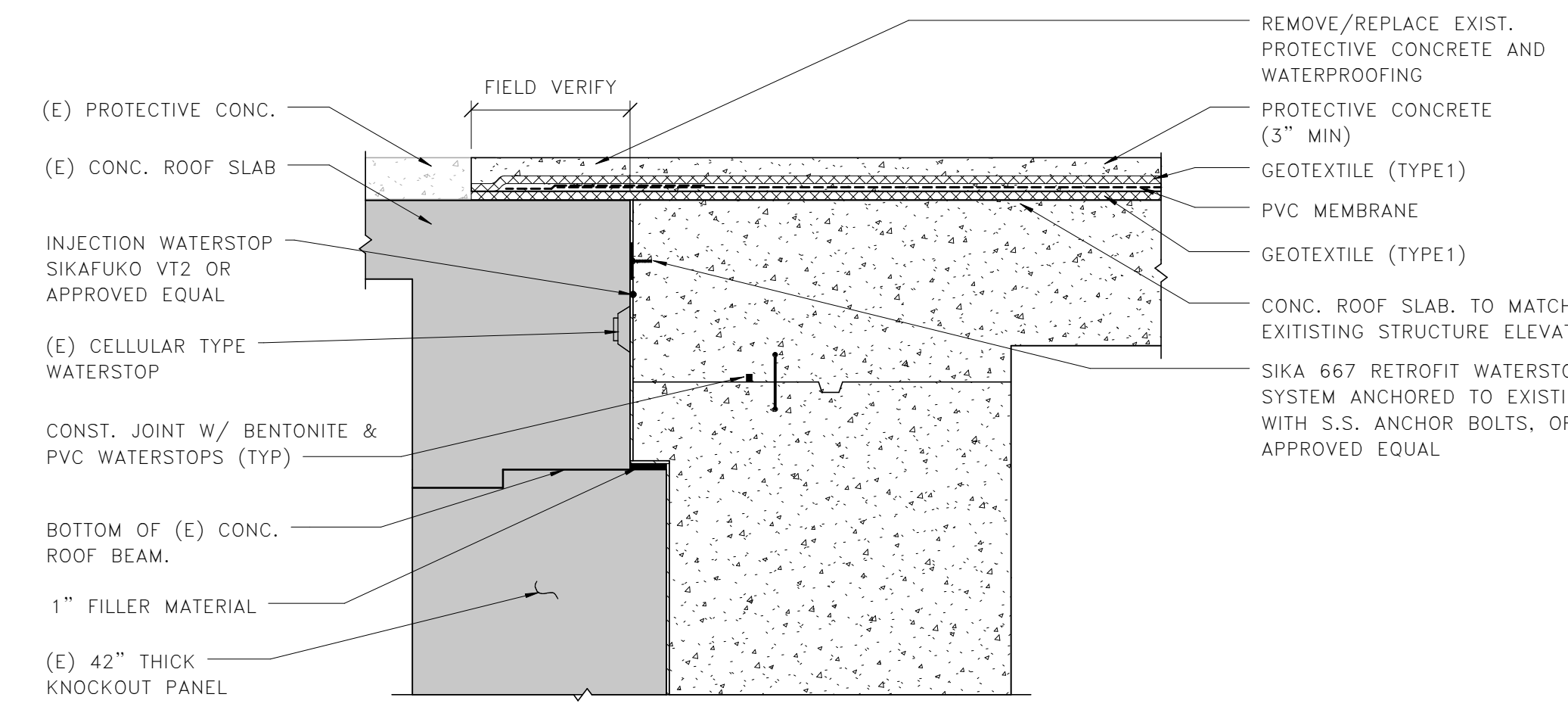
**9** **WATERPROOFING AT ELEVATORS HYDRAULIC CYLINDER CASING**  
AWP-103 1" = 1'-0"



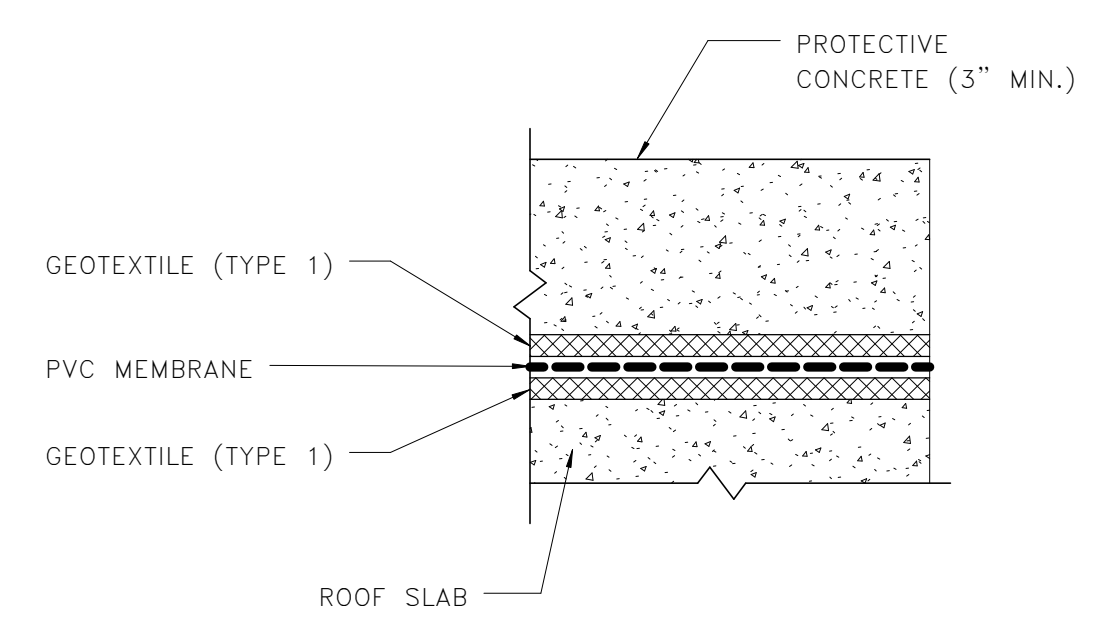
**2** **INVERT WATERPROOFING, TYP.**  
AWP-103 1" = 1'-0"



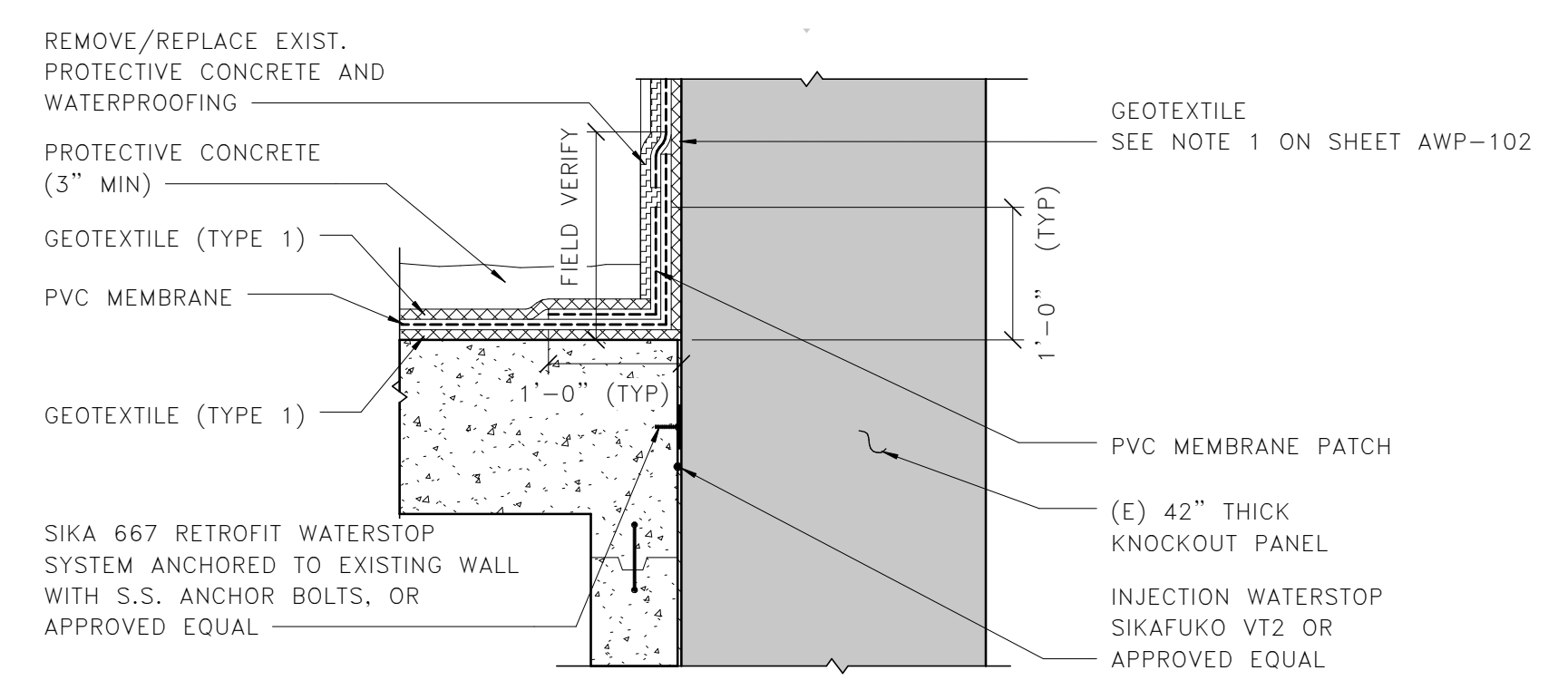
**5** **WATERPROOFING AT ELEVATOR MACHINE ROOM WALL**  
AWP-103 1/2" = 1'-0"



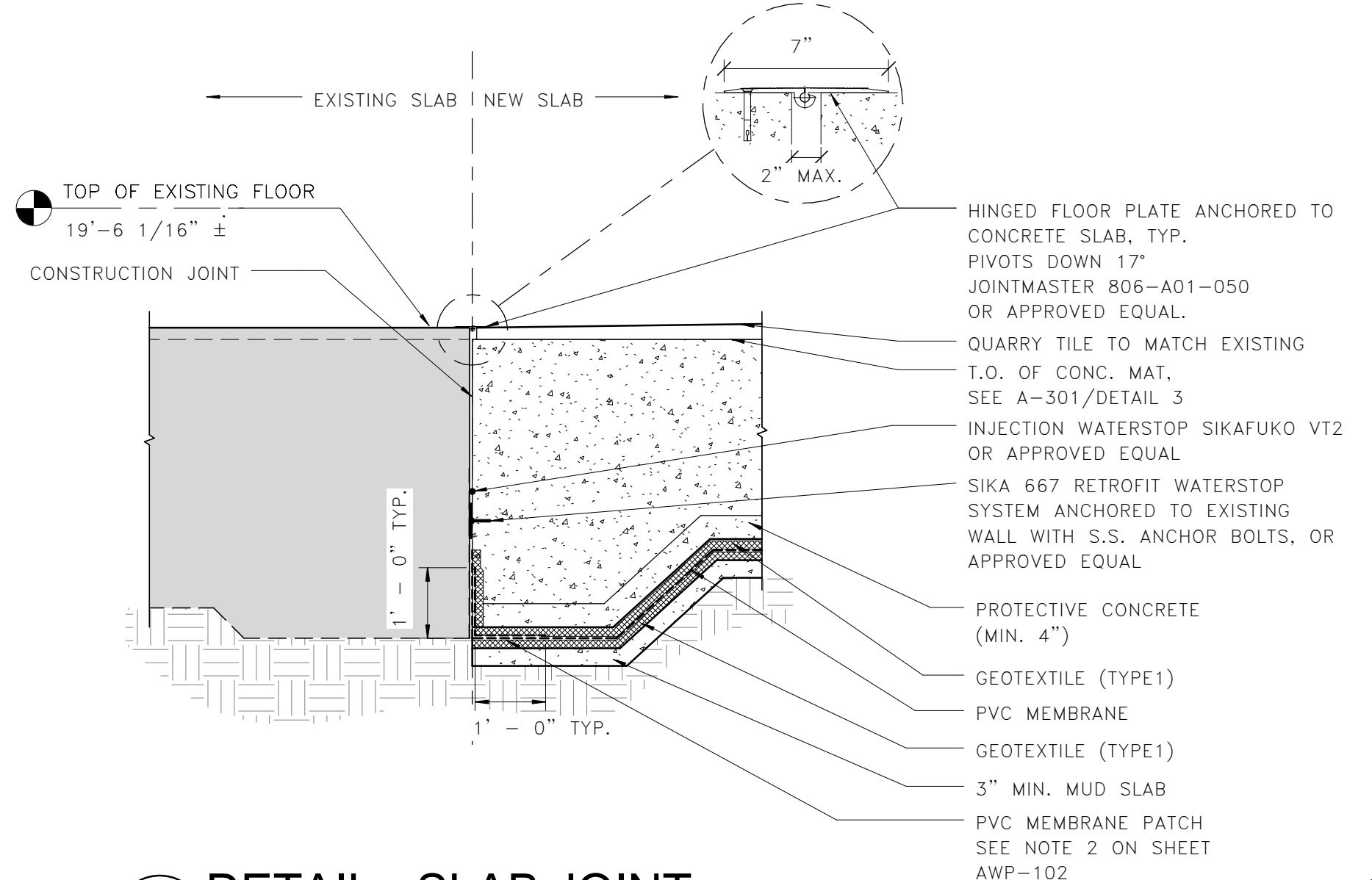
**8** **WATERPROOFING AT ROOF SLAB SECTION**  
AWP-103 1/2" = 1'-0"



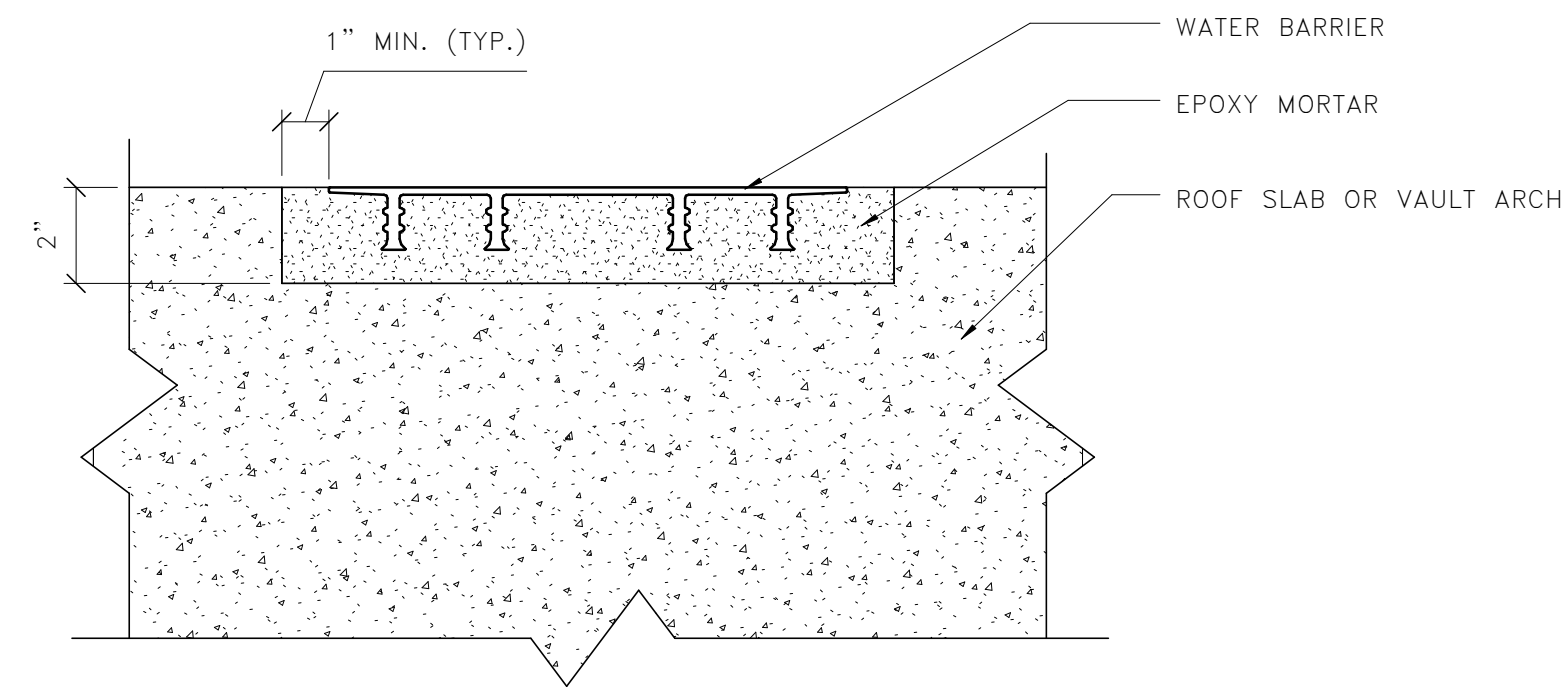
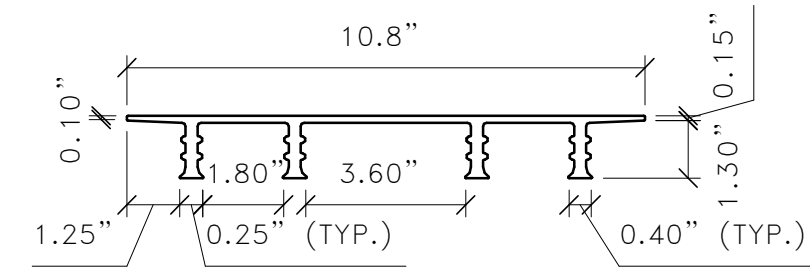
**1** **WATERPROOFING AT ROOF SLAB**  
AWP-103 1" = 1'-0"



**4** **WATERPROOFING AT ELEVATOR MACHINE ROOM ROOF**  
AWP-103 1/2" = 1'-0"



**7** **DETAIL - SLAB JOINT**  
AWP-103 1/2" = 1'-0"



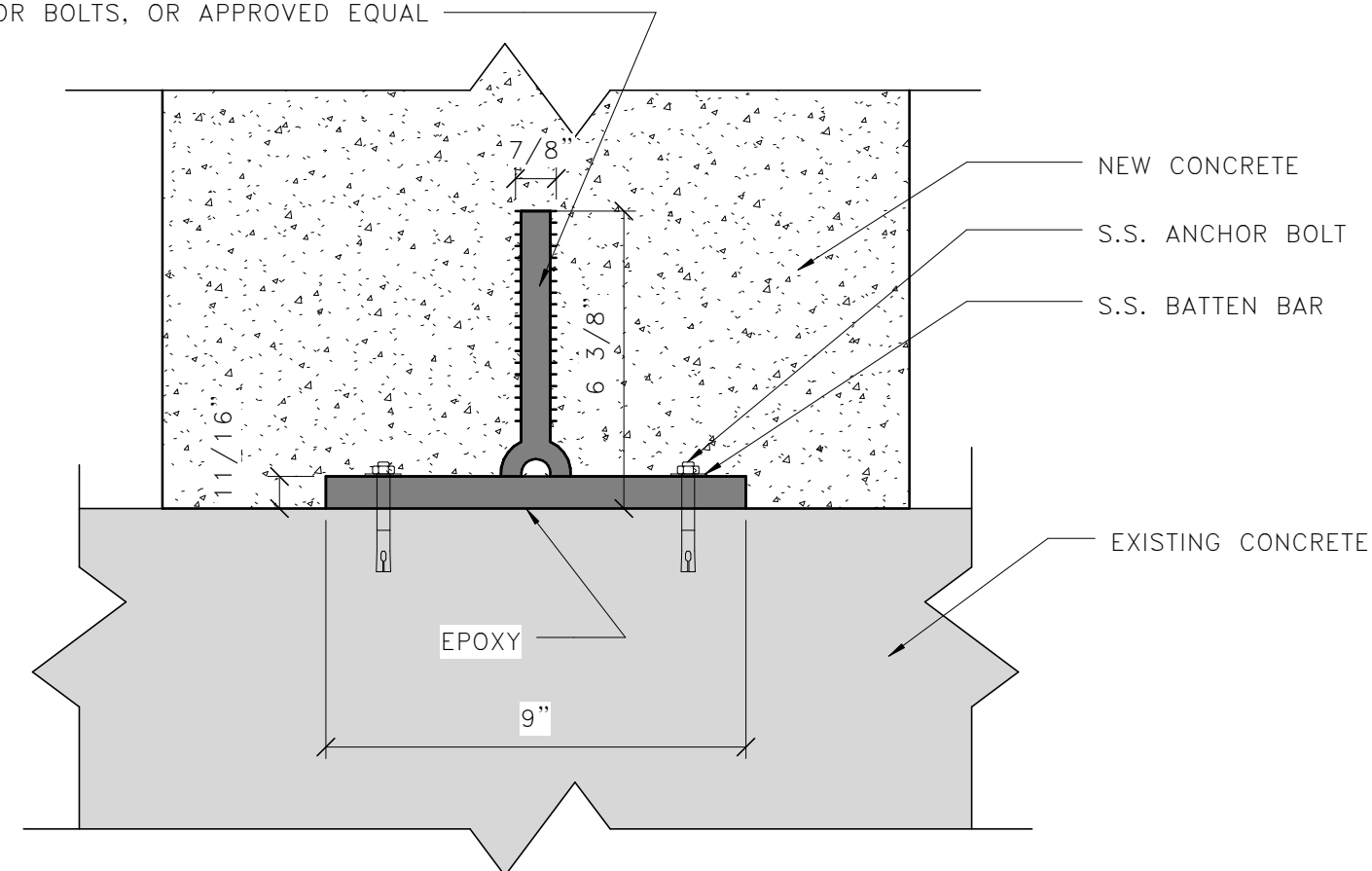
**1** TYPICAL WATER BARRIER CONFIGURATION

AWP-104

3" = 1'-0"



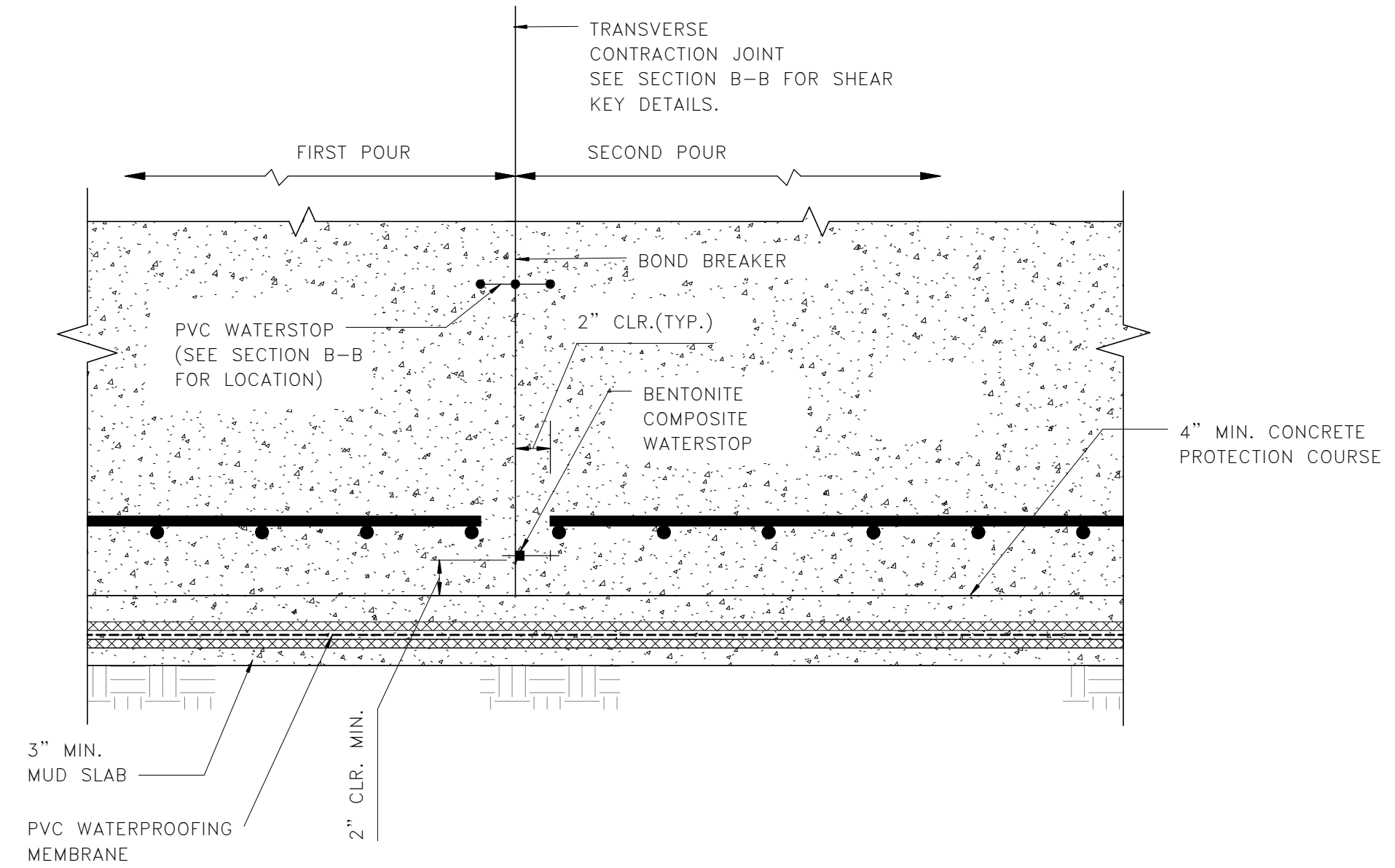
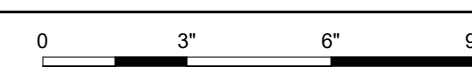
SIKA 667 RETROFIT WATERSTOP SYSTEM ANCHORED TO EXISTING WALL WITH S.S. ANCHOR BOLTS, OR APPROVED EQUAL



**2** TYPICAL RETROFIT WATERSTOP SYSTEM CONFIGURATION

AWP-104

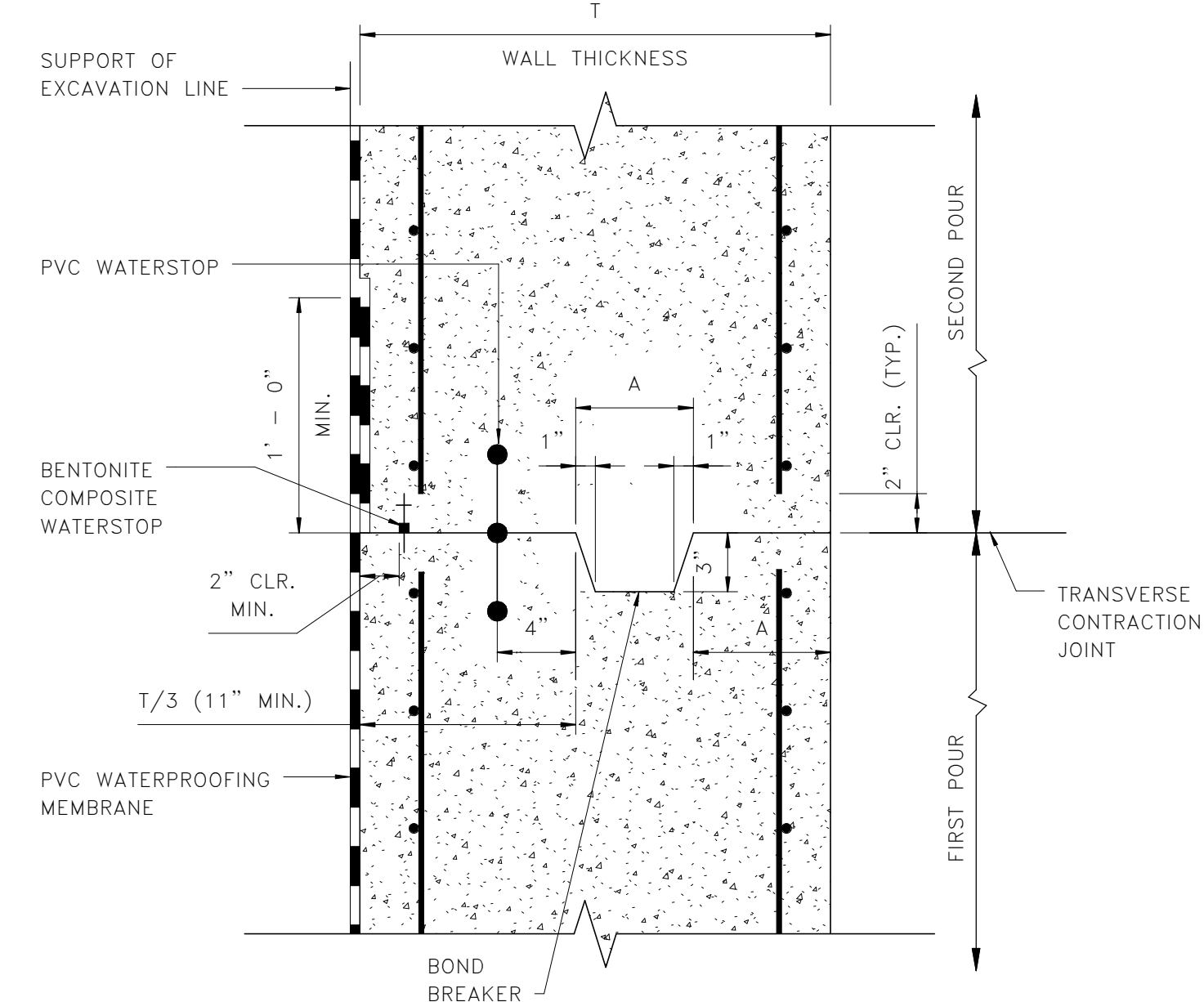
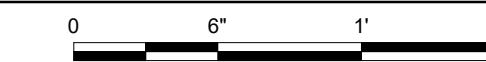
3" = 1'-0"



**3** TYP. INVERT SLAB CJ DETAIL - SECTION A-A

AWP-104

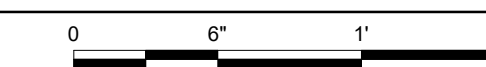
1 1/2" = 1'-0"



**4** TYP. WALL VERTICAL CJ DETAIL - SECTION B-B

AWP-104

1 1/2" = 1'-0"



Approvals	Date
WMATA PROJECT MANAGER	
FD&C BUREAU CHIEF	
FD&C PROJECT MANAGER	
TRANSIT BUREAU CHIEF	
TRANSIT PROJECT MANAGER	
WATER, SEWER STREETS BUREAU CHIEF	
TRANSPORTATION DIRECTOR	

Revisions	Date
ISSUED FOR CONSTRUCTION	11-20-2020

Project Name and Location  
**Pentagon City Station Elevator Project**  
Waterproofing Sheet 4 of 4  
South Hayes Street  
AWP-104

Designed: Designer  
Drawn: Author  
Checked: Checker  
Miss Utility Transmittal #:

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Path: I:\Projects\2515872\  
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Plotted by:

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Sheet  
**34 OF 68**