

Skanska USA Civil  
 1995 Agua Mansa Road  
 Riverside, California 92509

Project: 90009590 - I-405 - Brickyard to SR527  
 Bothell, Washington 98011

## BY-CRE-03798\_009727\_RFI\_00627\_16.03.02\_BRT Below Grade Waterproofing Revisions Missed Prior to RFC

**TO:** Emma Hutchinson (Washington State Department of Transportation)  
 Nancy Alpuche (Washington State Department of Transportation)  
 Rachel Gehrlein (Washington State Department of Transportation)  
 Ron Haukom (Washington State Department of Transportation)  
 Sokha Men (Washington State Department of Transportation)

**FROM:** Eric Knudson (Skanska USA Civil West)

<b>DATE INITIATED:</b>	10/15/2025	<b>STATUS:</b>	Closed on 11/19/25
<b>LOCATION:</b>	Brickyard Station	<b>DUE DATE:</b>	10/24/2025
<b>COST CODE:</b>		<b>REFERENCE:</b>	D00509
<b>COST IMPACT:</b>		<b>SCHEDULE IMPACT:</b>	
<b>DRAWING NUMBER:</b>	BT230-AVX150, BT230-AED200, BT230-AED350, BT230-AED360	<b>SPEC SECTION:</b>	

**PRIORITY:**

**LINKED DRAWINGS:** [BT230-AVX150](#), [BT230-AED360](#), [BT230-AED350](#), [BT230-AED200](#)

**RECEIVED FROM:**

**COPIES TO:**  
 Joey Albert (Skanska USA Civil West), Nancy Alpuche (Washington State Department of Transpor), Sonia Berriz (Washington State Department of Transpor), Zachary Buckingham (Skanska USA Civil West), Document Control - Skanska (Skanska USA Civil West), Erin Gaffney (Skanska USA Civil West), Rachel Gehrlein (Washington State Department of Transpor), Ron Haukom (Washington State Department of Transpor), Emma Hutchinson (Washington State Department of Transpor), Janka Lovering (Washington State Department of Transpor), Sokha Men (Washington State Department of Transpor), John Odell (Skanska USA Civil West), Kevin Sapp (Skanska USA Civil West), Jacob Schmidt (Atlas Technical Consultants, LLC), Rande Schuster (Skanska USA Civil West)

RFI Response Date	Estimated Hours
RFI Priority: Important	RFI Type: Clarification

### Question from Eric Knudson (Skanska USA Civil West) at 07:13 AM on 10/15/2025

AHJ: AECOM

During the most recent Constructability Review Bluebeam session (260-089-599), prior to RFC, Skanska had marked multiple areas within the drawing package that were still showing below grade waterproofing (WPR-1, WPR-2, & Drainage board/mat) that were supposed to be removed. The Bluebeam session showed these item had been revised but it was noticed that there were areas that were missed. Additionally, RFI 00565 was written which removed all below grade waterproofing.

Q. AECOM please confirm all below grade waterproofing that has been marked on the attached drawings should have been removed prior to RFC.

**Attachments:**  
[BY-CRE-03798\\_009727\\_RFI\\_00627\\_16.03.02\\_BRT Below Grade Waterproofing Revisions Missed Prior to RFC.pdf](#)

**Official Response:** Emma Hutchinson (Washington State Department of Transportation) responded on Thursday, October 30th, 2025 at 2:20PM PDT



WSDOT does not concur with the EOR response. Per Appendix S07 spec section 03 15 13 part 2.01 C waterstop use below grade “shall be limited to Hycrete concrete locations where complete waterproofing membranes are provided on the exterior of the concrete”

Attachments:

**Official Response:** Kade Larsen (AECOM Technical Services Inc.) responded on Tuesday, October 21st, 2025 at 1:43PM PDT

**From Dorota Maliszewska:**

**AECOM response:** Yes, waterproofing should be removed in marked up areas to be consistent with section AVX150 and AEX series where the waterproofing was omitted.

The markups provided by Skanska in RFI are correct and consistent with the design intent.

Please note the rigid insulation R-10 still should be extended 2' below grade as indicated.

Attachments:

**All Replies:**

**Response from Kim Christian (Skanska USA Civil West) at 08:48 AM on 11/03/2025**

Assigned BY-REC-02988

Attachments:

**Response from Emma Hutchinson (Washington State Department of Transpor) at 02:20 PM on 10/30/2025**

WSDOT does not concur with the EOR response. Per Appendix S07 spec section 03 15 13 part 2.01 C waterstop use below grade “shall be limited to Hycrete concrete locations where complete waterproofing membranes are provided on the exterior of the concrete”

Attachments:

**Response from Emma Hutchinson (Washington State Department of Transpor) at 01:30 PM on 10/24/2025**

WSDOT cannot determine EOR response. Please clarify official response from Kade Larsen versus RFI response in blue text. What should we be concurring with?

Attachments:

**Response from Kim Christian (Skanska USA Civil West) at 07:05 AM on 10/22/2025**

DRFI to RFI

Attachments:

**Response from Eric Knudson (Skanska USA Civil West) at 06:12 AM on 10/22/2025**

Ready for WSDOT - EK

Attachments:

**Response from Kim Christian (Skanska USA Civil West) at 08:31 PM on 10/21/2025**

Assigned BY-RDC-01795. Eric, please confirm this is ready for WSDOT.

**Attachments:**

**Response from Kade Larsen (AECOM Technical Services Inc.) at 01:43 PM on 10/21/2025**

**From Dorota Maliszewska:**

**AECOM response:** Yes, waterproofing should be removed in marked up areas to be consistent with section AVX150 and AEX series where the waterproofing was omitted.

The markups provided by Skanska in RFI are correct and consistent with the design intent.

Please note the rigid insulation R-10 still should be extended 2' below grade as indicated.

**Attachments:**

**Response from Jacob Schmidt (Atlas Technical Consultants, LLC) at 07:44 AM on 10/15/2025**

Ready for EOR review.

**Attachments:**

**Response from Eric Knudson (Skanska USA Civil West) at 07:13 AM on 10/15/2025**


OK to submit - EK

**Attachments:**

BY

DATE

COPIES TO

	Washington State Department of Transportation  I-405, Brickyard to SR 527 Improvement Project Contract No. 009727	Doc Type: RFI
		REV#: 0
		SPEC SECTION:
		DATE: 10/22/2025
		CRE #: BY-CRE-03798

To: Washington State Dept. of Transportation 777 108 <sup>th</sup> Ave NE Suite 800 Bellevue, WA 98004	From: Skanska USA Civil West 1995 Agua Mansa Road Riverside, CA 92509
Submittal: BY-CRE-03798_009727_RFI_00627_16.03.02_BRT Below Grade Waterproofing Revisions Missed Prior to RFC	

**SKA REFERENCE DOCUMENTS**

Subcontractor/Supplier: Skanska
SKA Title and Description: BRT Below Grade Waterproofing Revisions Missed Prior to RFC
Due Date: 10/24/2025

**QUESTION**

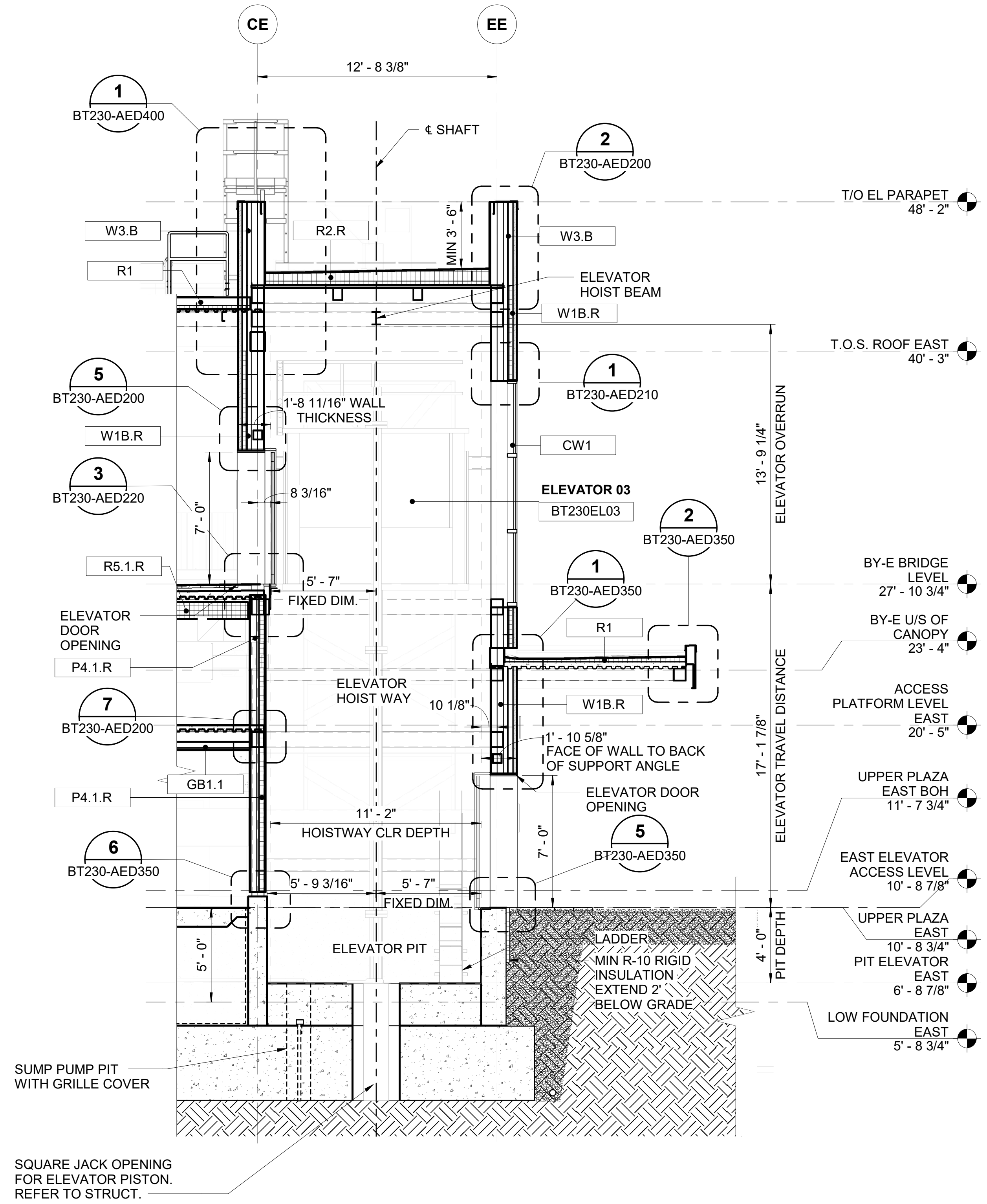
AHJ: AECOM

During the most recent Constructability Review Bluebeam session (260-089-599), prior to RFC, Skanska had marked multiple areas within the drawing package that were still showing below grade waterproofing (WPR-1, WPR-2, & Drainage board/mat) that were supposed to be removed. The Bluebeam session showed these items had been revised but it was noticed that there were areas that were missed. Additionally, RFI 00565 was written which removed all below grade waterproofing.

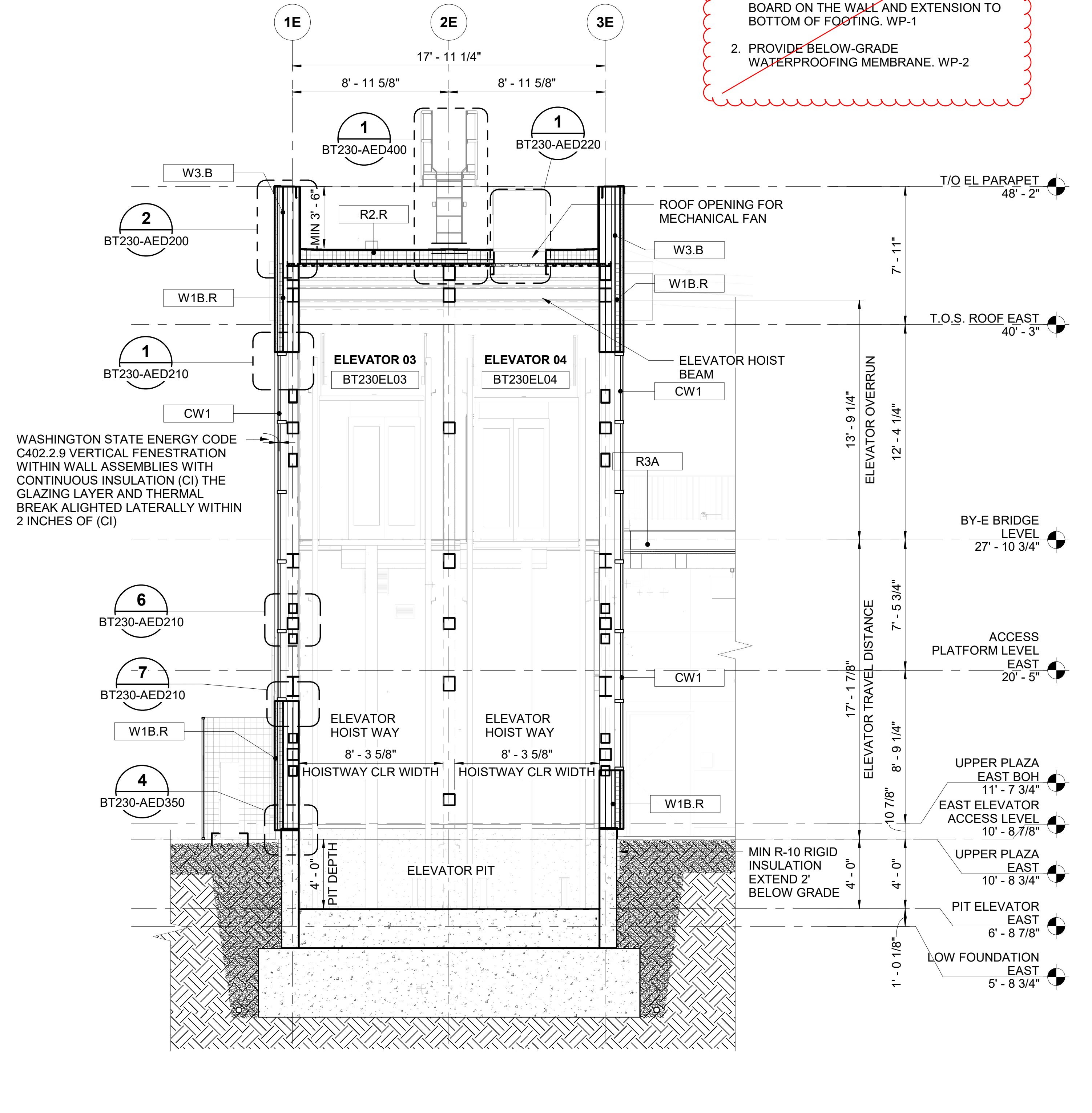
Q. AECOM please confirm all below grade waterproofing that has been marked on the attached drawings should have been removed prior to RFC.

**GENERAL NOTES:**

1. PROVIDE BELOW-GRADE WATERPROOFING WITH PROTECTION BOARD ON THE WALL AND EXTENSION TO BOTTOM OF FOOTING. WP-1
2. PROVIDE BELOW-GRADE WATERPROOFING MEMBRANE. WP-2



**ELEVATOR SHAFT SECTION - EAST**  
 SCALE: 1/4" = 1'-0"  
 BT230-AEX150



**ELEVATOR SHAFT SECTION - EAST**  
 SCALE: 1/4" = 1'-0"  
 BT230-AEX150

WASHINGTON STATE ENERGY CODE C402.2.9 VERTICAL FENESTRATION WITHIN WALL ASSEMBLIES WITH CONTINUOUS INSULATION (CI) THE GLAZING LAYER AND THERMAL BREAK ALIGNED LATERALLY WITHIN 2 INCHES OF (CI)

10/1/2025 10:13:23 AM  
 Autodesk Docs://60713342 - Sound Transit/C9727-BT230-A-v2022.rvt

No.	DATE	DSN	CHK	APP	REVISION
0	09/26/2025	D.M.	J.C.	C.M.	RELEASED FOR CONSTRUCTION - BT230 EAST ENTRANCE

DESIGNED BY:  
 D. MALISZEWSKA  
 DRAWN BY:  
 H. NGAI  
 CHECKED BY:  
 J. CHIU  
 APPROVED BY:  
 C. MISSEL



LINE IS 1" AT FULL SCALE



SCALE:  
 1/4" = 1'-0"  
 FILENAME:  
 C9727-BT230-A-v2022  
 CONTRACT No.:  
 C9727  
 SUBMITTAL DATE:  
 08/15/2025

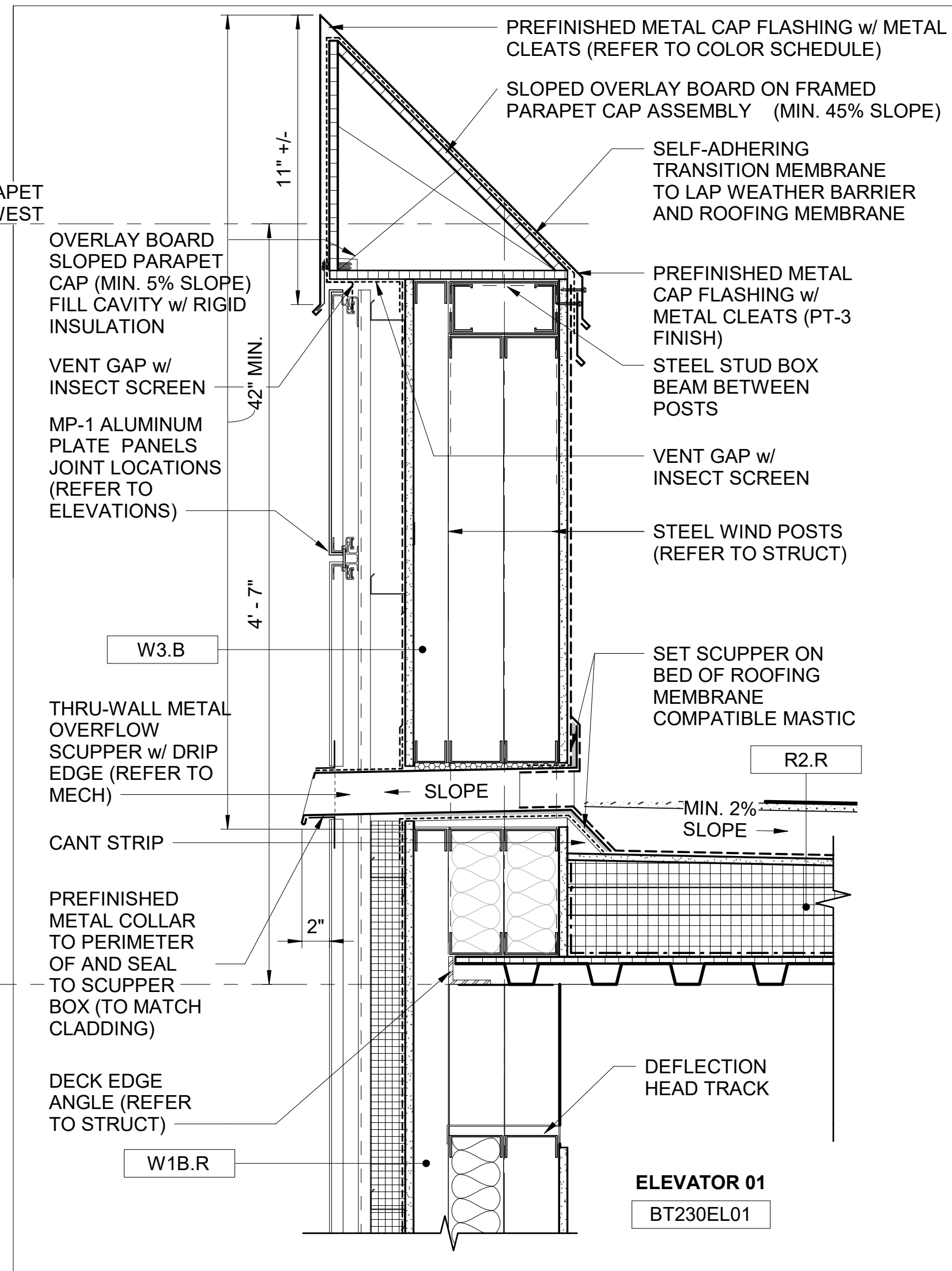
**I-405 BRICKYARD TO SR 527**  
**AE 0054-17**  
 I-405 BRICKYARD TO SR527 - IMPROVEMENT PROJECT -  
 BT230 BRICKYARD  
 BRICKYARD STATION - ARCHITECTURAL  
 ELEVATOR SHAFT SECTIONS  
 EAST

DRAWING NO.:  
**BT230-AVX150**  
 FACILITY ID:  
 BT230  
 SHEET No.:  
 REV:  
 0

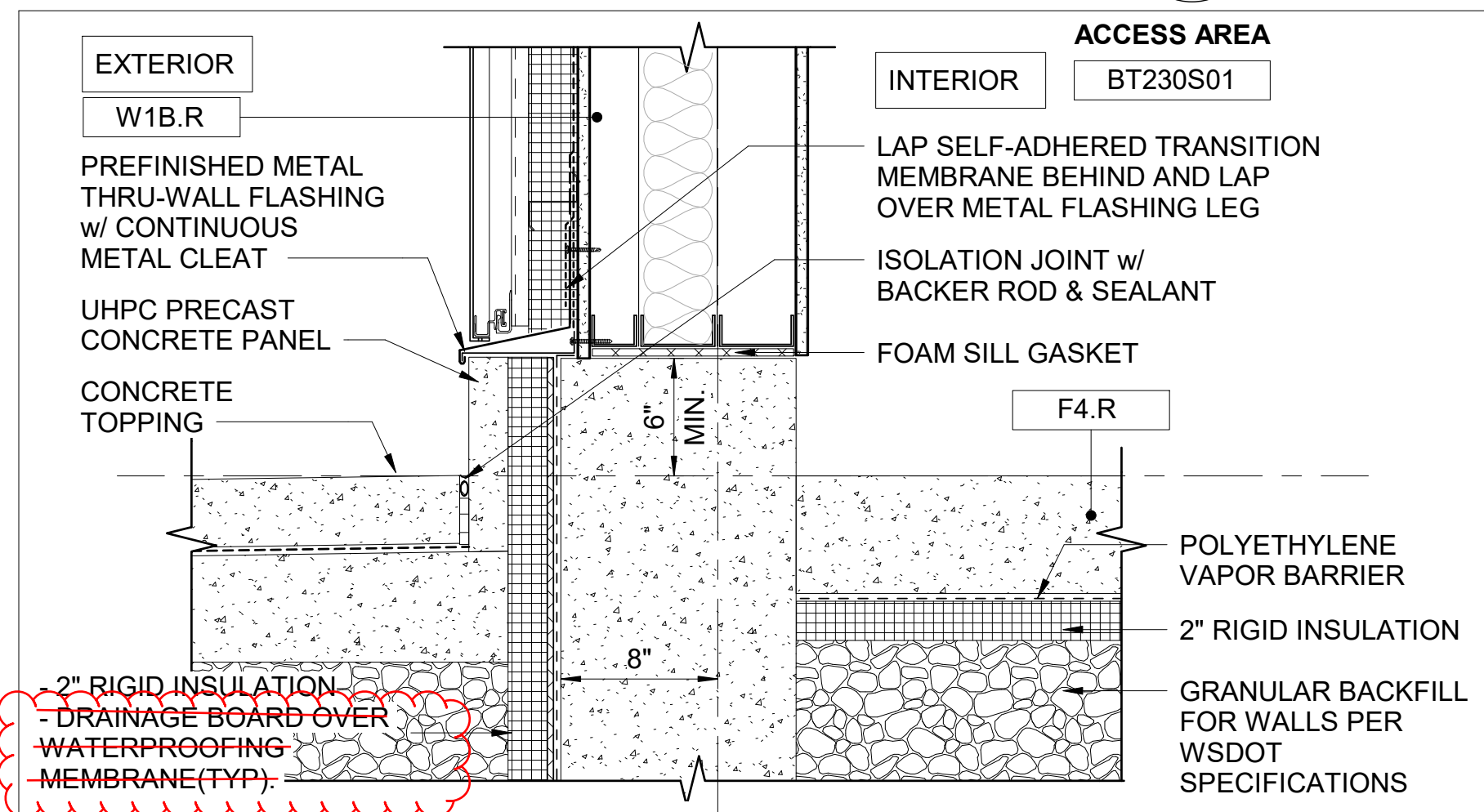
SUBMITTED BY:  
 R. ABRAHAM  
 SUBMITTED DATE:  
 08/15/2025  
 REVIEWED BY:  
 P. PRENDERGAST  
 REVIEWED DATE:  
 09/26/2025

RELEASED FOR CONSTRUCTION  
10/7/2025

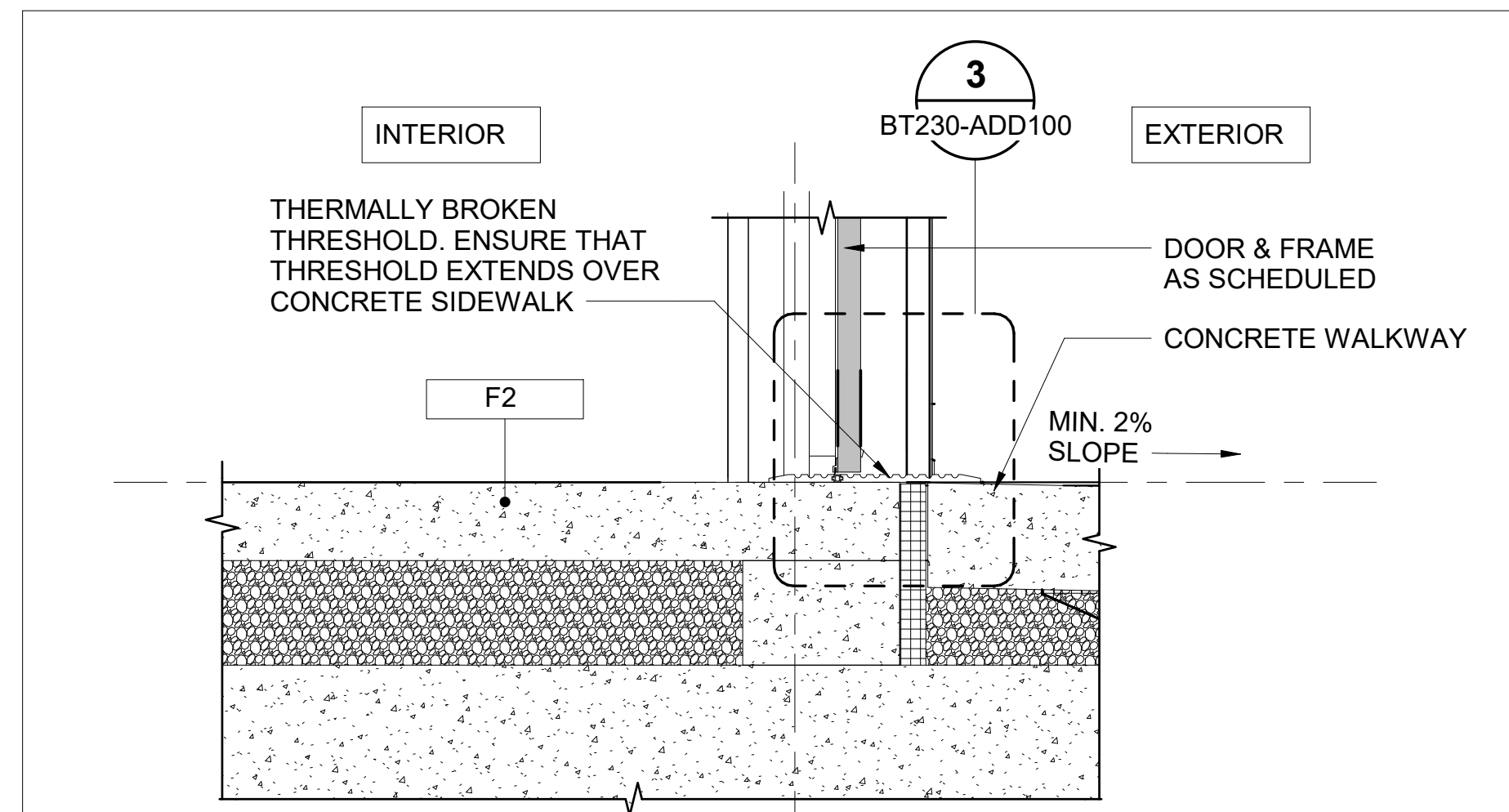
9/24/2025 10:11:00 AM  
C:\Users\stihana.gholami\Desktop\C9727-BT230-A-v2022.rvt\_BY West Index.rvt



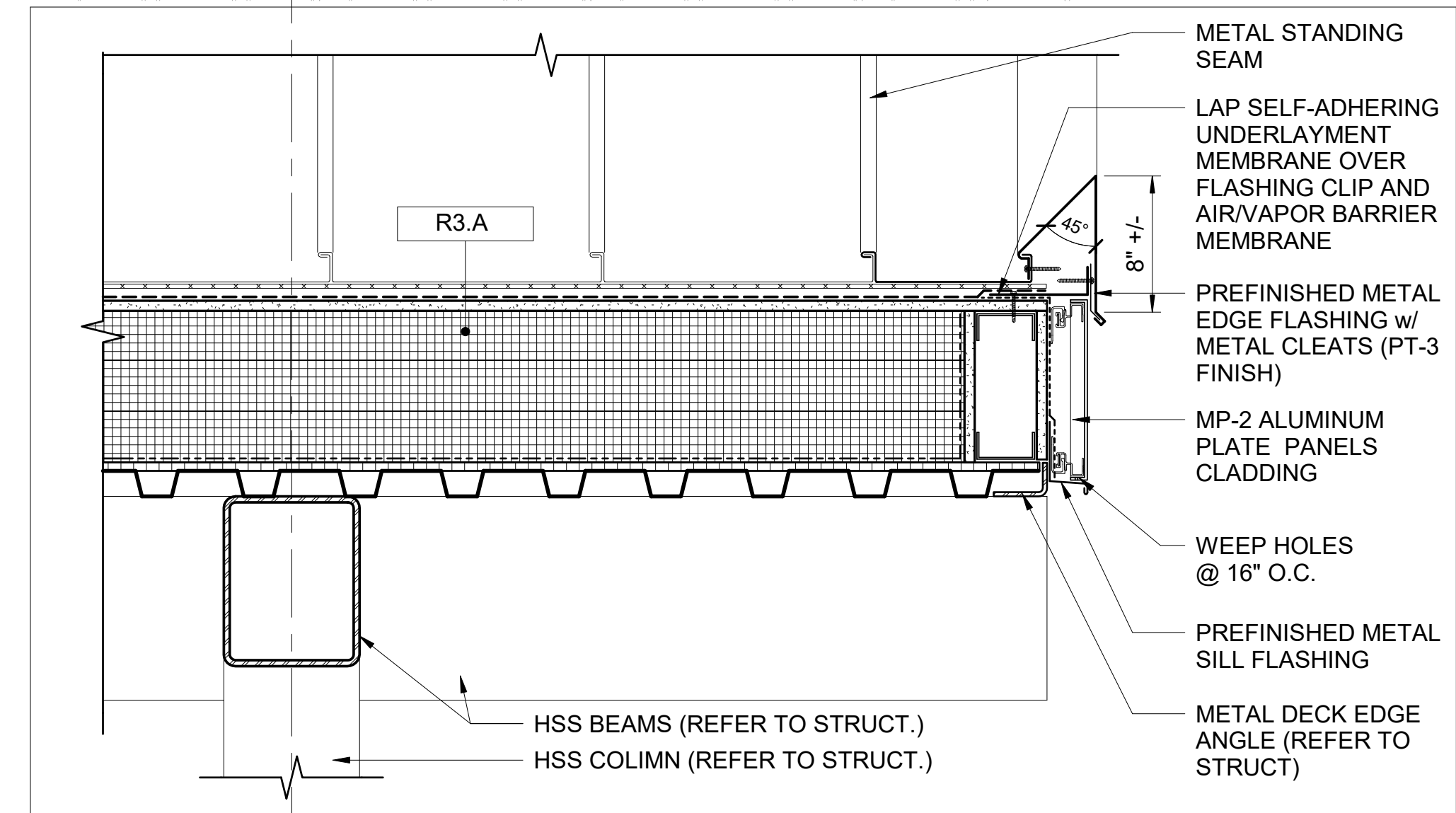
**ELEVATOR SHAFT PARAPET w/ OVERFLOW SCUPPER 2**  
SCALE: 1 1/2" = 1'-0" BT230-AVX100



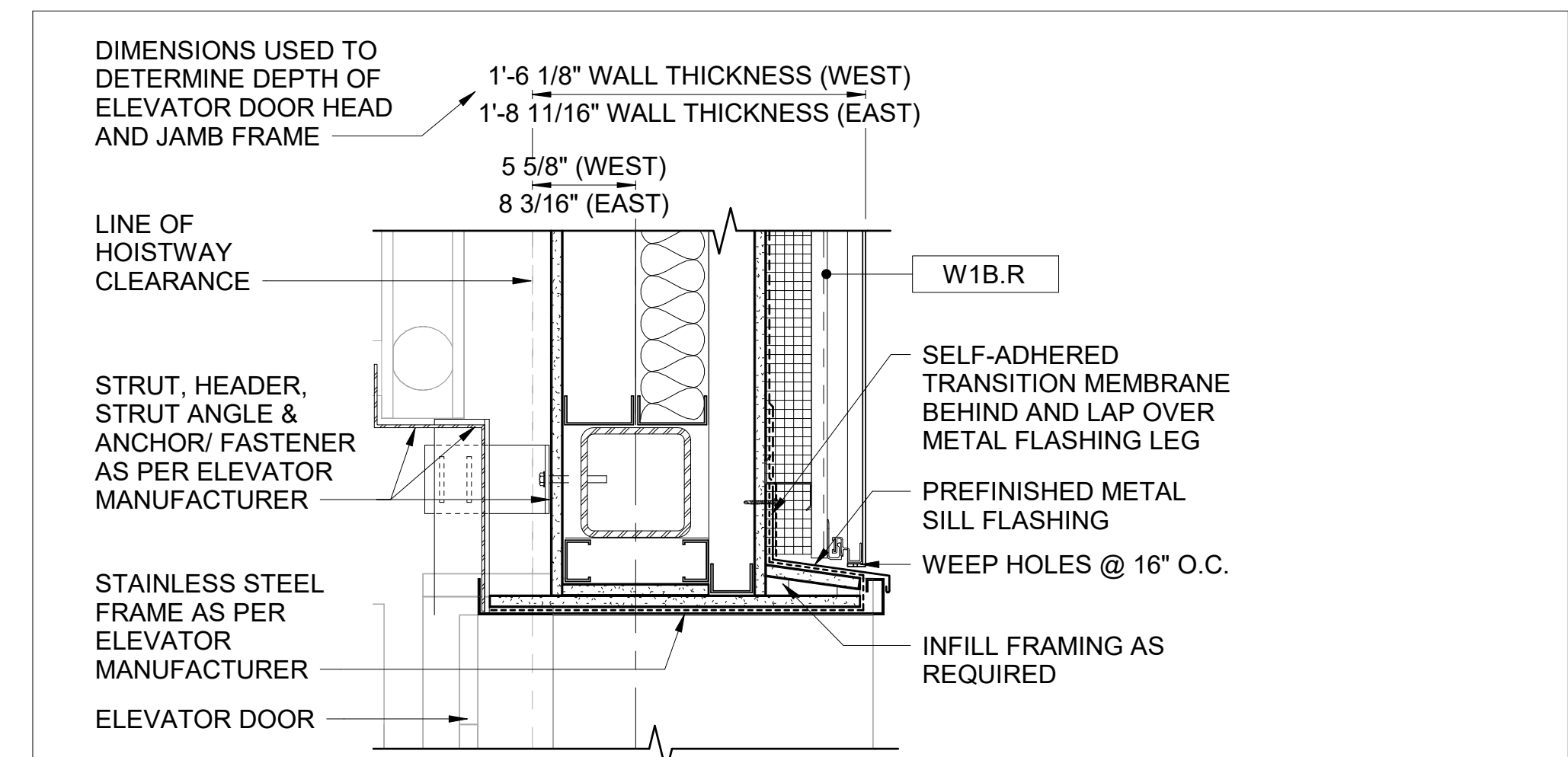
**EXTERIOR WALL DETAIL @ GRADE LEVEL 1**  
SCALE: 1 1/2" = 1'-0" BT230-AEX100



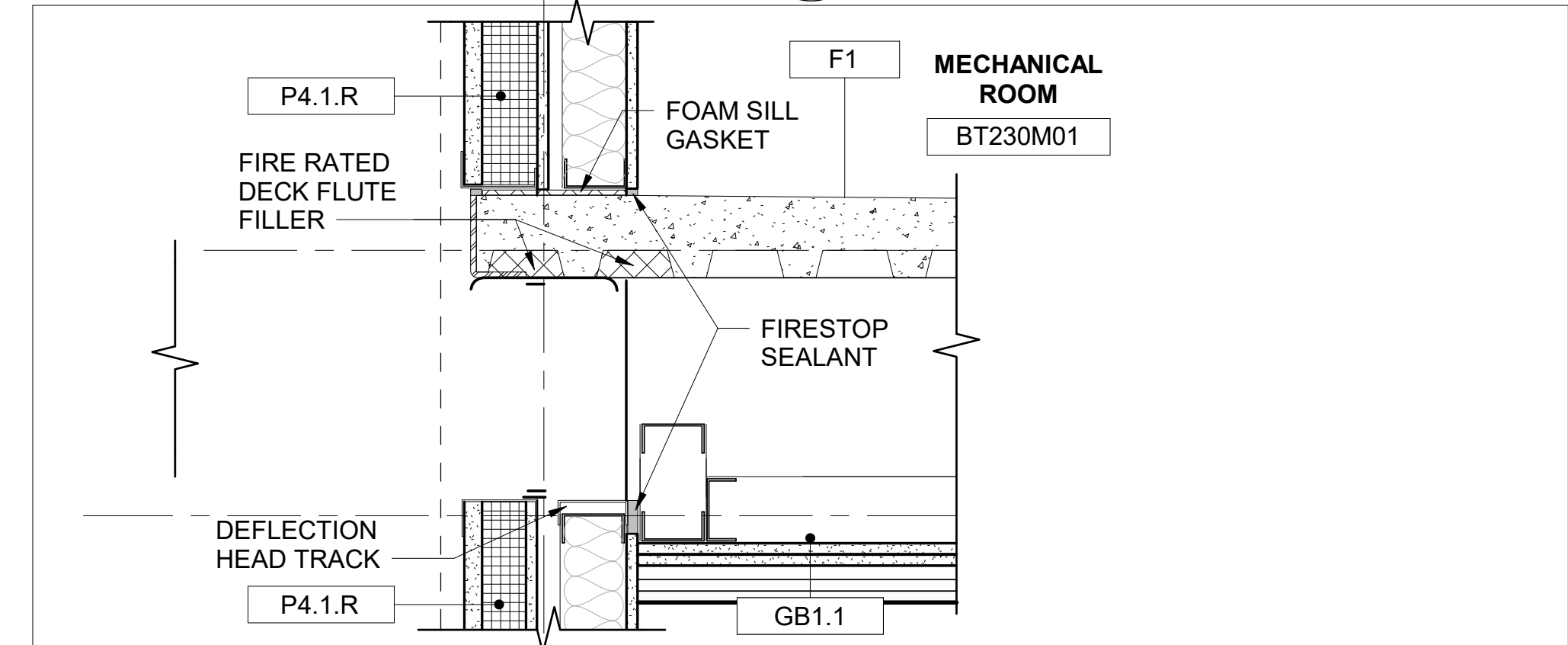
**EXTERIOR DOOR @ GRADE LEVEL DETAIL 6**  
SCALE: 1" = 1'-0" BT230-AEX100



**CANOPY OVERHANG EDGE DETAIL 3**  
SCALE: 1 1/2" = 1'-0" BT230-ATX100

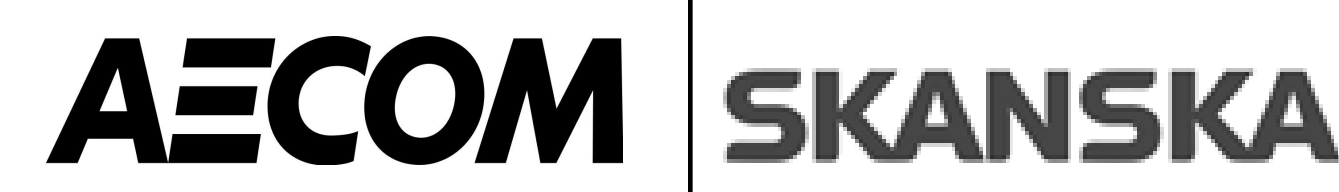
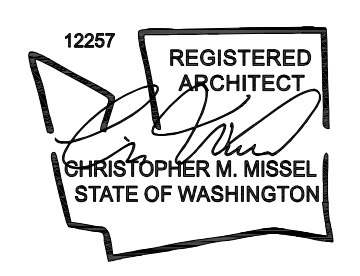


**ELEVATOR SHAFT SECTION DETAIL 5**  
SCALE: 1 1/2" = 1'-0" BT230-AVX100



**ELEVATOR WALL SECTION DETAIL 7**  
SCALE: 1 1/2" = 1'-0" BT230-AVX100

DESIGNED BY:  
D. YAN  
DRAWN BY:  
R. HEROLD  
CHECKED BY:  
J. CHIU  
APPROVED BY:  
C. MISSEL



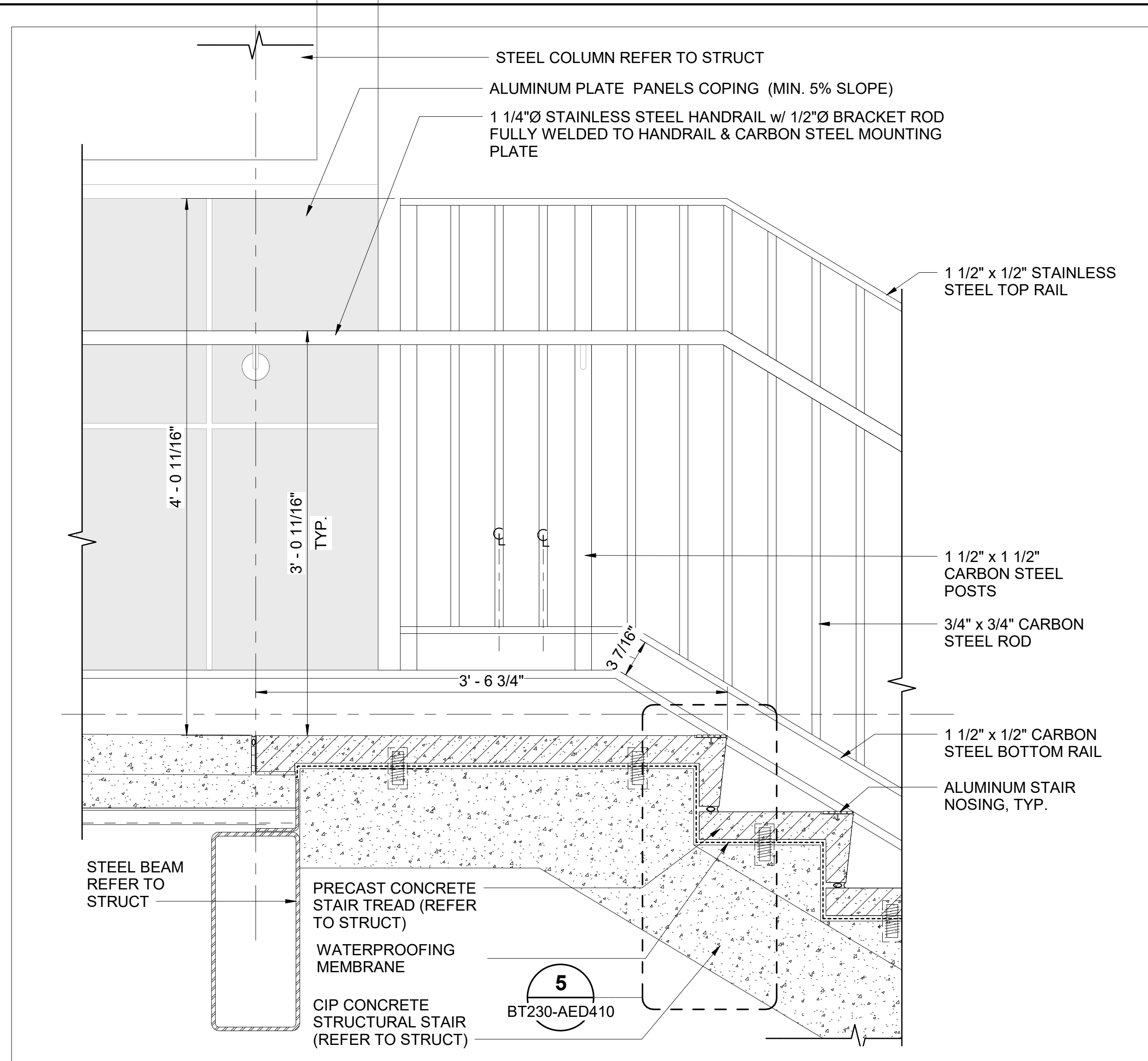
SUBMITTED BY: R. ABRAHAM  
SUBMITTED DATE: 07/16/2025  
REVIEWED BY: P. PRENDERGAST  
REVIEWED DATE: 09/26/2025

SCALE: AS NOTED  
FILENAME: C9727-BT230-A-v2022  
CONTRACT No.: C9727  
SUBMITTAL DATE: 07/16/2025

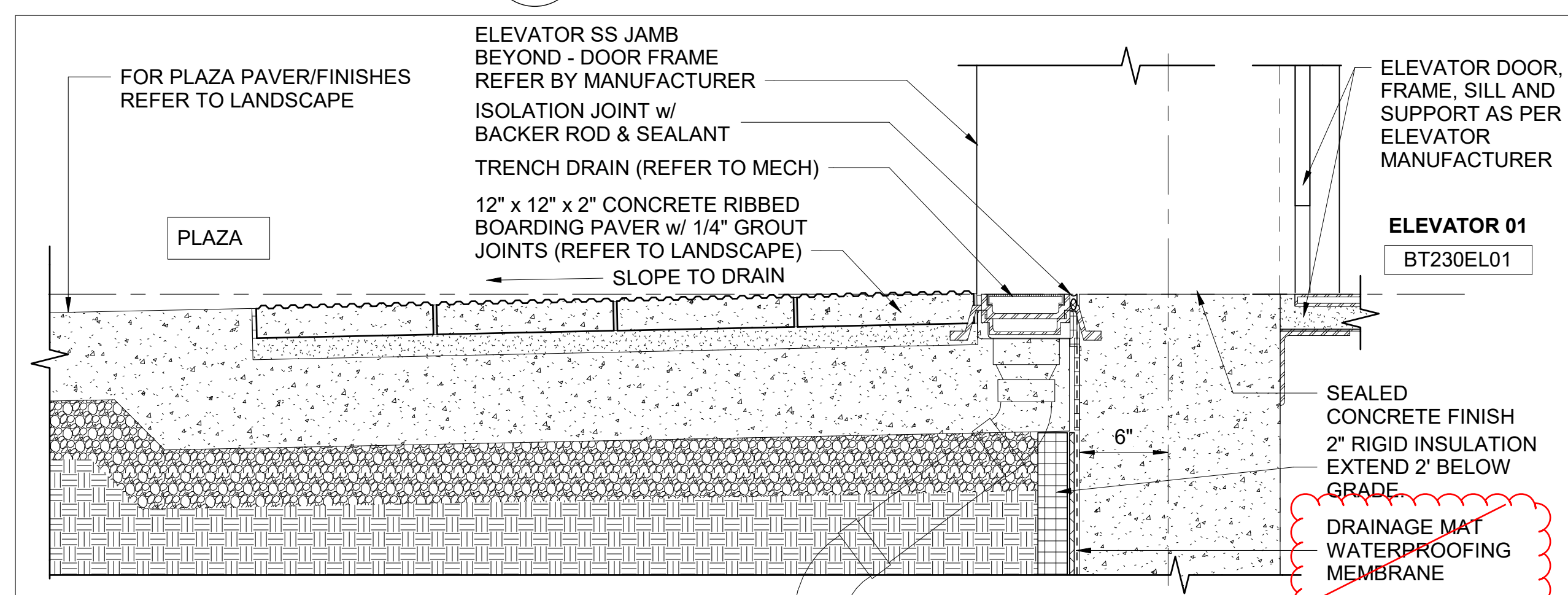
**I-405 BRICKYARD TO SR 527  
AE 0054-17**  
I-405 BRICKYARD TO SR527 - IMPROVEMENT PROJECT -  
BT230 BRICKYARD  
BRICKYARD STATION - ARCHITECTURAL  
SECTION DETAILS

DRAWING NO.: **BT230-AED200**  
FACILITY ID: BT230  
SHEET No: REV: 0

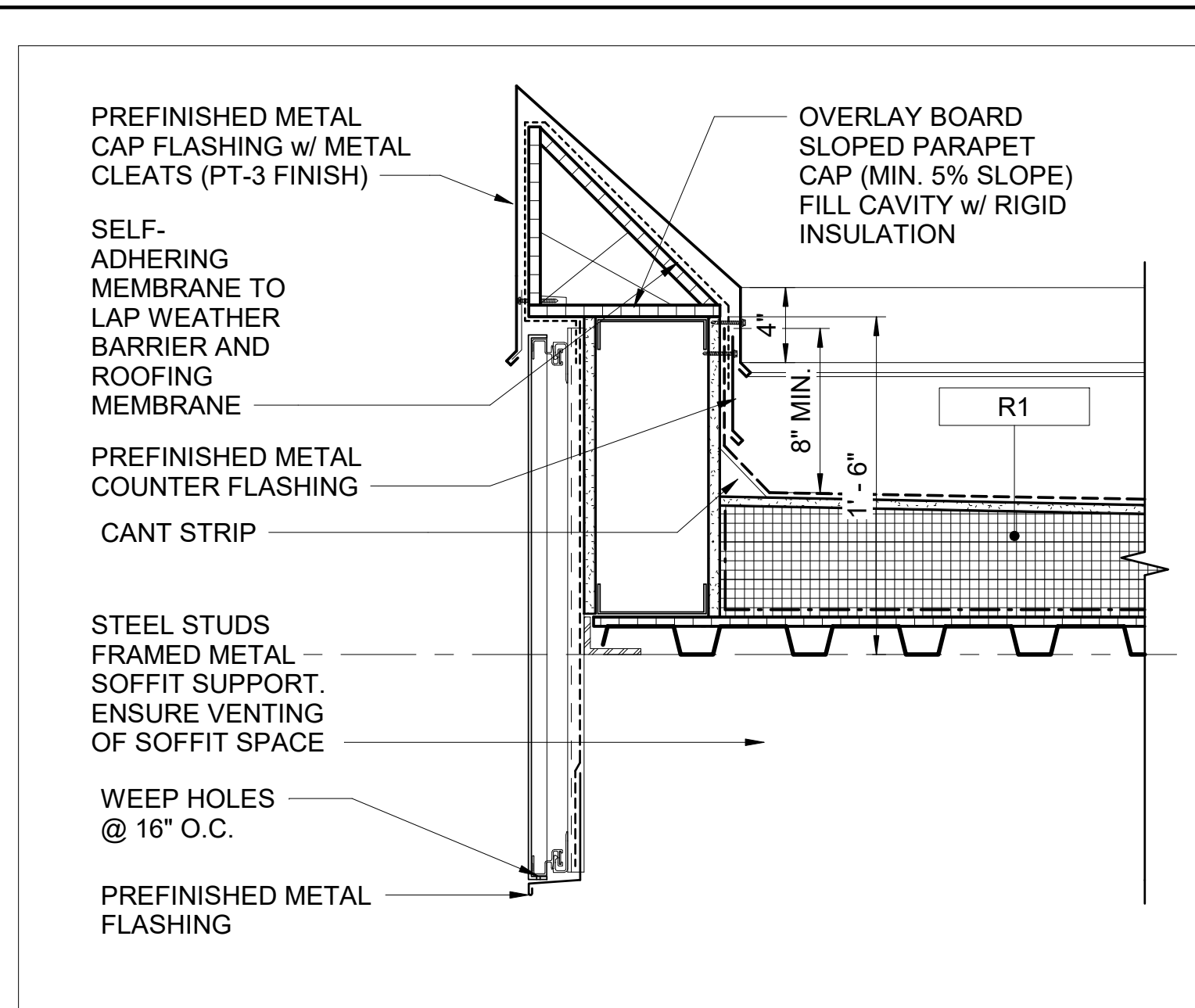
No.	DATE	DSN	CHK	APP	REVISION
0	09/26/2025	D.M.	J.C.	C.M.	RELEASED FOR CONSTRUCTION - BT230 WEST ENTRANCE



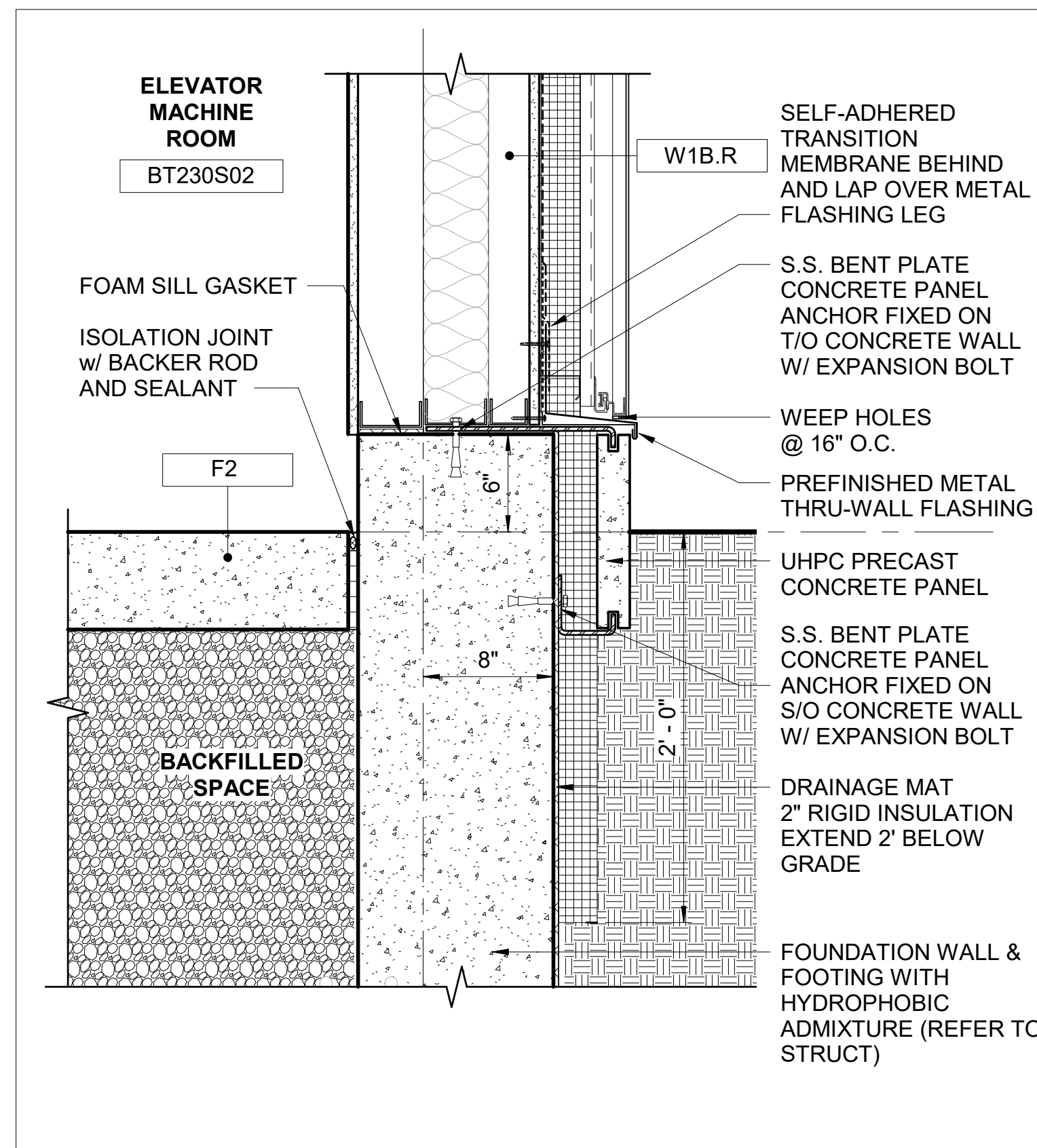
**STAIR TOP LANDING DETAIL** 3  
SCALE: 1 1/2" = 1'-0"  
BT230-AEX100



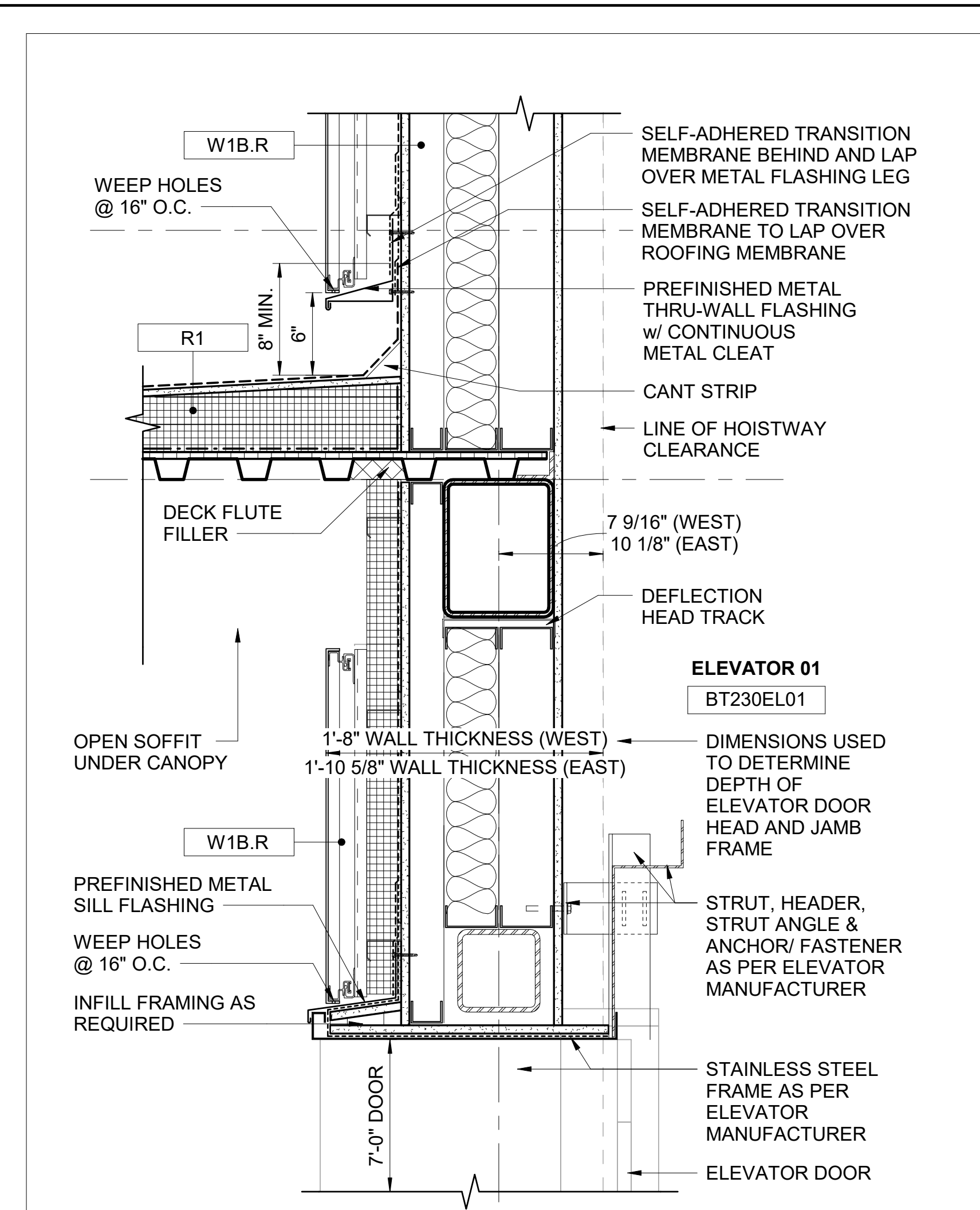
**ELEVATOR DOOR SECTION DETAIL** 5  
SCALE: 1 1/2" = 1'-0"  
BT230-AVX100



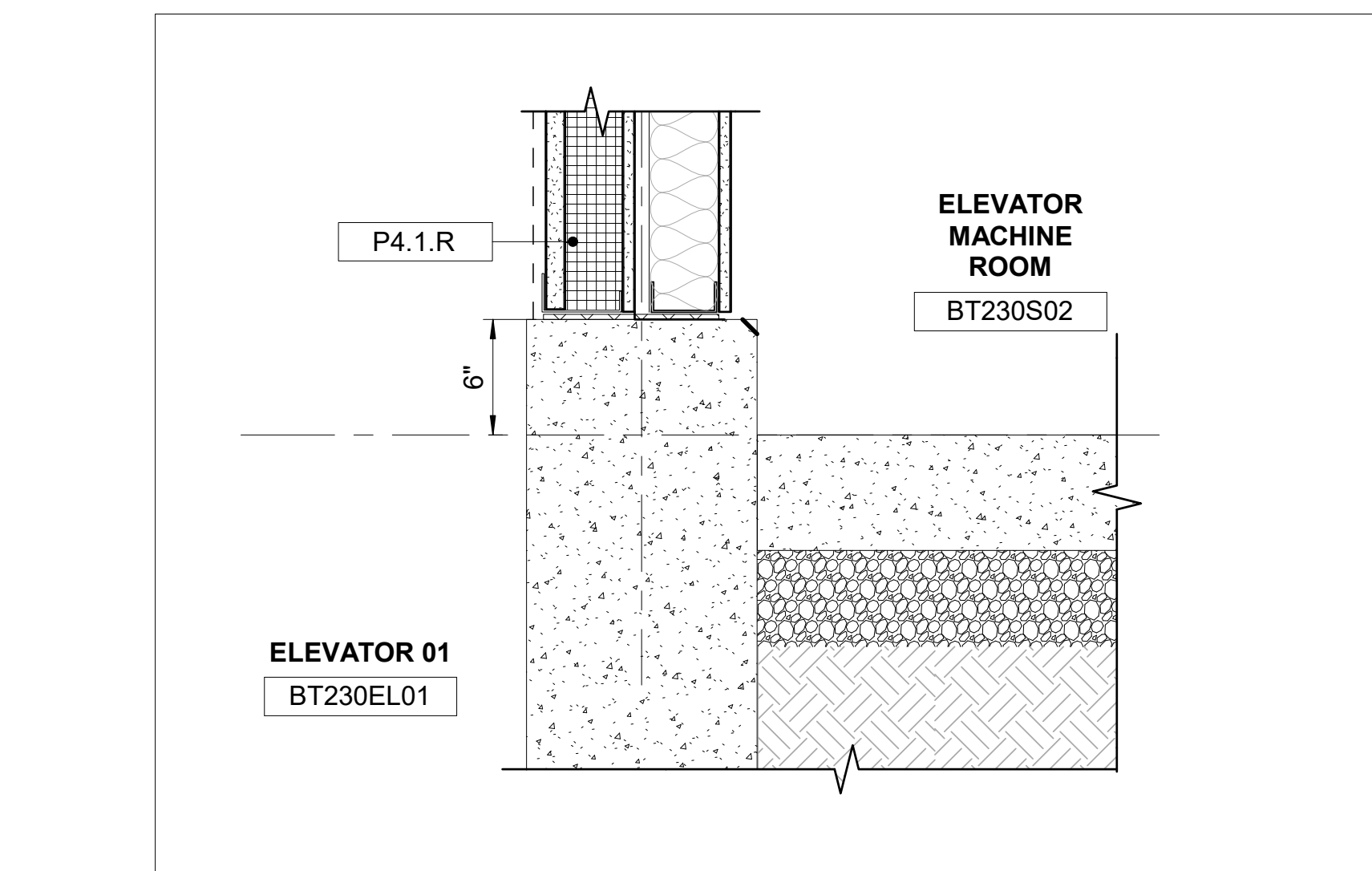
**ELEVATOR CANOPY DETAIL** 2  
SCALE: 1 1/2" = 1'-0"  
BT230-AVX100



**ELEVATOR WALL SECTION DETAIL** 4  
SCALE: 1 1/2" = 1'-0"  
BT230-AVX100



**CANOPY/WALL SECTION DETAIL** 1  
SCALE: 1 1/2" = 1'-0"  
BT230-AVX100

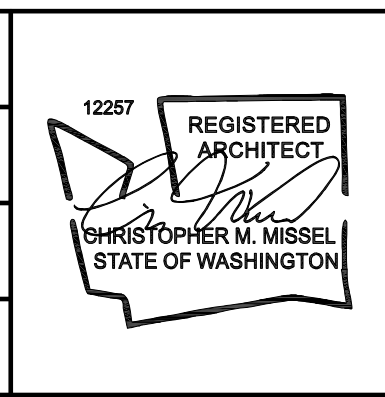


**WALL SECTION DETAIL** 6  
SCALE: 1 1/2" = 1'-0"  
BT230-AVX100

9/24/2025 10:11:17 AM  
C:\Users\thana.gholami\Desktop\C9727-BT230-A-v2022.rvt\_BY West Index.rvt

DESIGNED BY: D. YAN	CHECKED BY: J. CHIU	APPROVED BY: C. MISSEL			
DRAWN BY: R. HEROLD					
0 09/26/2025 D.M. J.C. C.M. RELEASED FOR CONSTRUCTION - BT230 WEST ENTRANCE					
No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:  
D. YAN  
DRAWN BY:  
R. HEROLD  
CHECKED BY:  
J. CHIU  
APPROVED BY:  
C. MISSEL



**AECOM**

**SKANSKA**

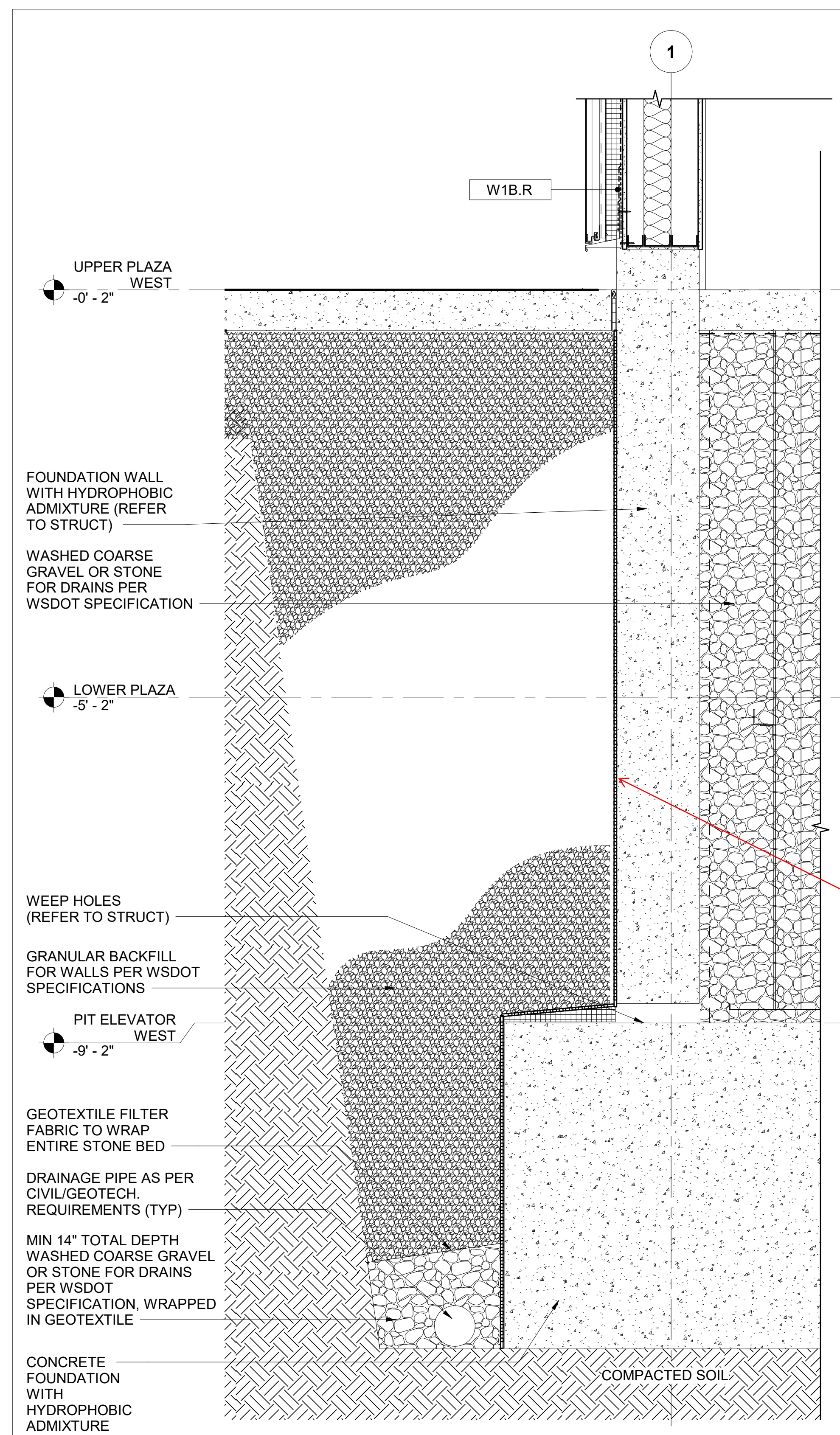
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**SOUNDTRANSIT**

SCALE:  
AS NOTED  
FILENAME:  
C9727-BT230-A-v2022  
CONTRACT No.:  
C9727  
SUBMITTAL DATE:  
07/16/2025

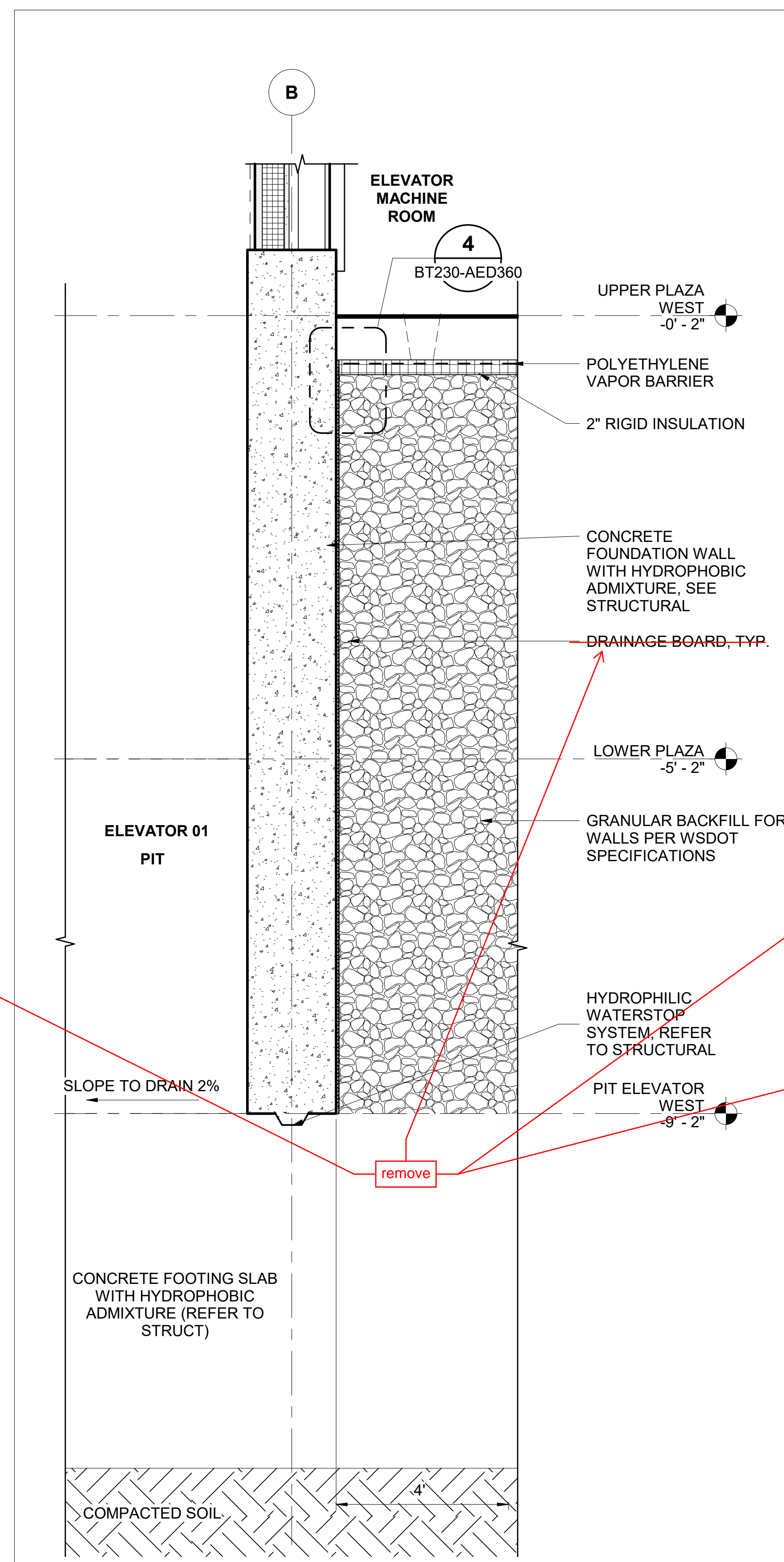
**I-405 BRICKYARD TO SR 527  
AE 0054-17**  
I-405 BRICKYARD TO SR527 - IMPROVEMENT PROJECT -  
BT230 BRICKYARD  
BRICKYARD STATION - ARCHITECTURAL  
SECTION DETAILS  
WEST

DRAWING NO.:  
**BT230-AED350**  
FACILITY ID:  
BT230  
SHEET No.:  
REV:  
0

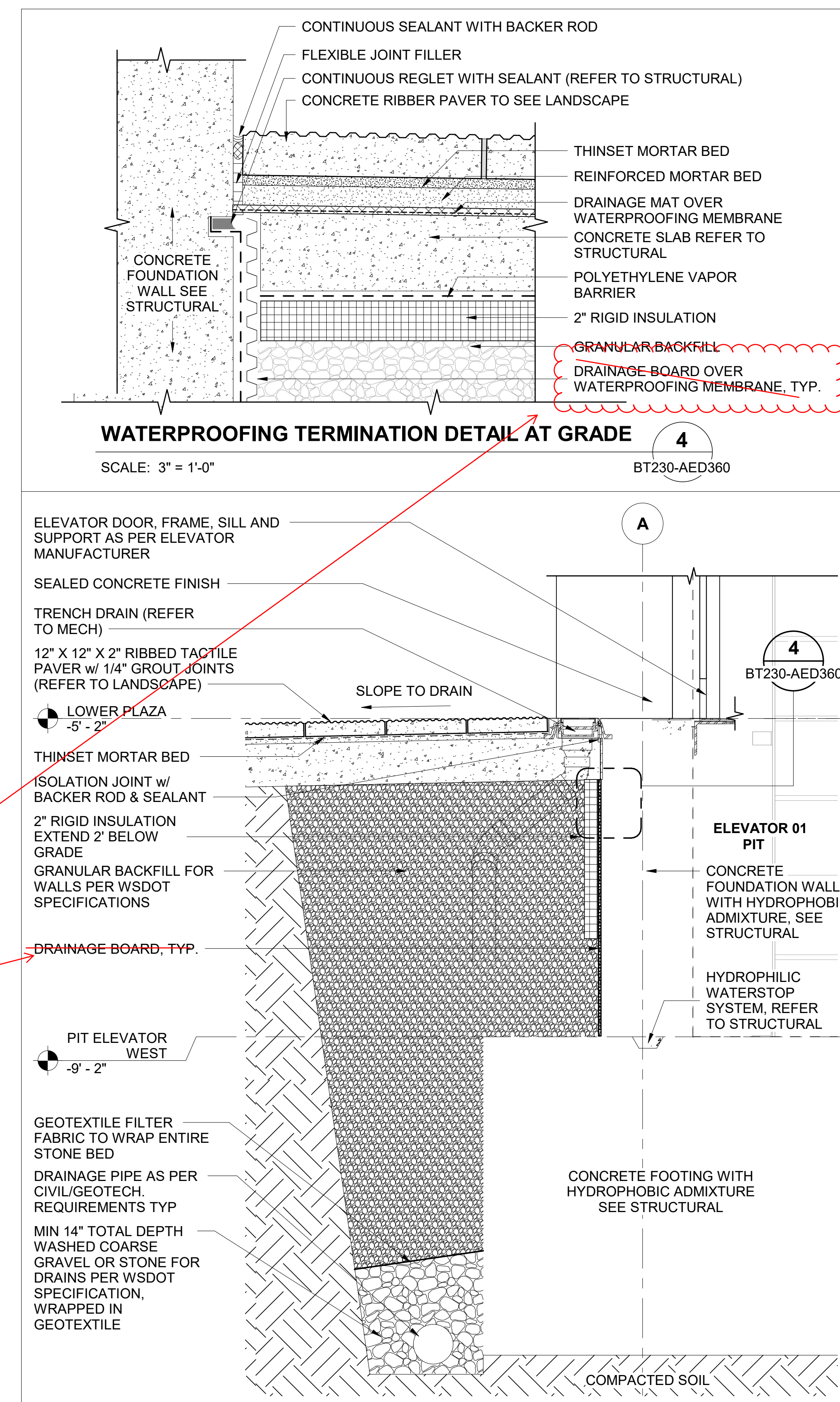
SUBMITTED BY:  
R. ABRAHAM  
SUBMITTED DATE:  
07/16/2025  
REVIEWED BY:  
P. PRENDERGAST  
REVIEWED DATE:  
09/26/2025



**BACKFILLED SPACE FOUNDATION WALL DETAIL, TYP** 3  
 SCALE: 1" = 1'-0" BT230-AEX100



**FOUNDATION WALL DETAIL BETWEEN ELEVATOR PIT AND BACK-FILLED SPACE** 2  
 SCALE: 1" = 1'-0" BT230-AVX100

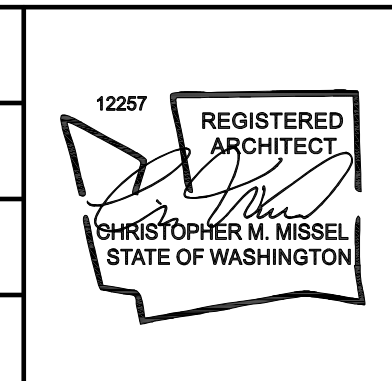


**FOUNDATION WALL UNDER ELEVATOR DOOR ON GRADE** 1  
 SCALE: 1" = 1'-0" BT230-AVX100

9/24/2025 10:11:33 AM  
 C:\Users\stihana.gholami\Desktop\C9727-BT230-A-v2022.rvt\_BY West Index.rvt

DESIGNED BY:	D. YAN				
DRAWN BY:	R. HEROLD				
CHECKED BY:	J. CHIU				
APPROVED BY:	C. MISSEL				
DATE	DSN	CHK	APP	REVISION	
0	09/26/2025	D.M.	J.C.	C.M.	RELEASED FOR CONSTRUCTION - BT230 WEST ENTRANCE

REGISTERED ARCHITECT  
 CHRISTOPHER M. MISSEL  
 STATE OF WASHINGTON



SUBMITTED BY: R. ABRAHAM  
 SUBMITTED DATE: 07/16/2025  
 REVIEWED BY: P. PRENDERGAST  
 REVIEWED DATE: 09/26/2025

SCALE: As indicated  
 FILENAME: C9727-BT230-A-v2022  
 CONTRACT No.: C9727  
 SUBMITTAL DATE: 07/16/2025

**I-405 BRICKYARD TO SR 527  
 AE 0054-17**  
 I-405 BRICKYARD TO SR527 - IMPROVEMENT PROJECT -  
 BT230 BRICKYARD  
 BRICKYARD STATION - ARCHITECTURAL  
 BELOW GRADE DETAILS  
 WEST

DRAWING NO.: BT230-AED360  
 FACILITY ID: BT230  
 SHEET No: REV: 0

Skanska USA Civil  
 1995 Agua Mansa Road  
 Riverside, California 92509

Project: 90009590 - I-405 - Brickyard to SR527  
 Bothell, Washington 98011

## BY-CRD-01799\_009727\_RFI\_00509\_16.03.02\_BRT Below Grade Waterproofing Revisions Missed Prior to RFC

**TO:** Dorota Maliszewska (AECOM (Seattle))  
 Tomas Barriga Aristizabal (AECOM (Seattle))  
 Kade Larsen (AECOM Technical Services Inc.)  
 Charlie Bennett (AECOM (Seattle))  
 Kerry Fearington (AECOM (Seattle))  
 Michelle McDowell (AECOM (Seattle))  
 Sharath Kumar Somalraju (AECOM (Seattle))

**FROM:** Eric Knudson (Skanska USA Civil West)

**DATE INITIATED:** 10/15/2025      **STATUS:** Open

**LOCATION:** Brickyard Station      **DUE DATE:** 10/30/2025

**COST CODE:**      **REFERENCE:** D00509

**COST IMPACT:**      **SCHEDULE IMPACT:**

**DRAWING NUMBER:** BT230-AVX150, BT230-AED200, BT230-AED350, BT230-AED360      **SPEC SECTION:**

**PRIORITY:**

**LINKED DRAWINGS:** [BT230-AVX150](#), [BT230-AED360](#), [BT230-AED350](#), [BT230-AED200](#)

**RECEIVED FROM:**

**COPIES TO:**  
 Joey Albert (Skanska USA Civil West), Zachary Buckingham (Skanska USA Civil West), Document Control - Skanska (Skanska USA Civil West), Erin Gaffney (Skanska USA Civil West), John ODell (Skanska USA Civil West), Kevin Sapp (Skanska USA Civil West), Jacob Schmidt (Atlas Technical Consultants, LLC), Rande Schuster (Skanska USA Civil West)

RFI Response Date	Estimated Hours
RFI Priority      Important	RFI Type      Clarification

**Question from Eric Knudson (Skanska USA Civil West) at 07:13 AM on 10/15/2025**

AHJ: AECOM

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Q. AECOM please confirm all below grade waterproofing that has been marked on the attached drawings should have been removed prior to RFC.

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[BY-CRD-01799\\_009727\\_RFI\\_00509\\_16.03.02\\_BRT Below Grade Waterproofing Revisions Missed Prior to RFC.pdf](#)

**Official Response: Kade Larsen (AECOM Technical Services Inc.) responded on Tuesday, October 21st, 2025 at 1:43PM PDT**

**From Dorota Maliszewska:**  
**AECOM response:** Yes, waterproofing should be removed in marked up areas to be consistent with section AVX150 and AEX series where the waterproofing was omitted.  
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**Attachments:**

---

**BY**

---

**DATE**

---

**COPIES TO**