

# COMMERCIAL VEHICLE INSPECTION FACILITY AND MEMORIAL RESTROOM

WASHINGTON HEADQUARTERS SERVICES

PENTAGON RESERVATION, WASHINGTON, DC

3 APRIL 2026



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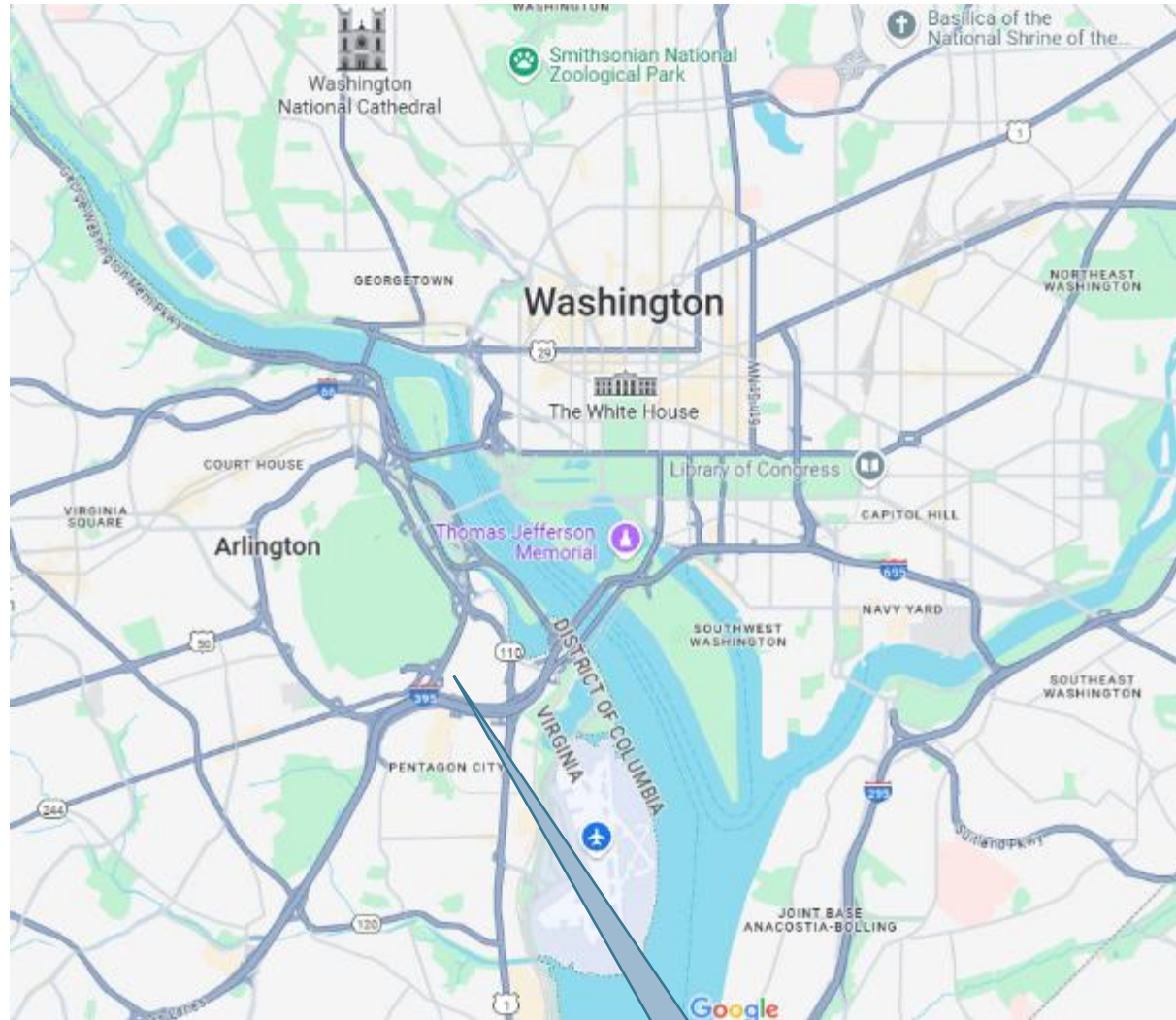
# EXISTING CONDITIONS

The Commercial Vehicle Inspection Facility (CVIF) facility and the Memorial Restroom (MR) project sites are located entirely within the Pentagon Reservation, in Arlington, Virginia. The CVIF facility project site is a triangular shaped site, located to the southwest of the Pentagon Building. The CVIF is bound by Columbia Pike (VA State Route 244) to the south, the on-ramp to South Washington Boulevard (VA State Route 27) to the west, and the 9/11 Memorial Site to the north and east and the site is approximately 2 acres in size. The site is largely grassed areas along the western portion of the site. The eastern portion of the site consists of a one-way roadway of varying widths, which is used by commercial vehicles who require access to the Pentagon Remote Delivery Facility (RDF), which is approximately 2,000 feet to the north of the site. The roadway widths vary from approximately 12 feet to 45 feet, with the widest portion of roadway at the temporary canopy. The roadway consists of areas of both asphalt and concrete pavement, with concrete jersey barriers along both sides of the roadway for most of its length. Along the roadway, approximately 250 feet into the site is a temporary canopy where Pentagon Force Protection Agency (PFPA) officers inspect vehicles who require access to the RDF. The temporary canopy consists of an aluminum frame shelter covered in flame retardant vinyl covering. The temporary canopy is currently where the PFPA conducts their vehicle inspections. Beyond the police booth, the road widens to two(2) separate active vehicle barriers (AVBs): The AVB and roadway to the left is intended for rejected vehicles, and leads onto VA State Route 27, with AVB is a mechanical, sliding Ameristar Trident fence that must be opened to grant vehicles access to the RDF. Adjacent to the sliding gate is an officer booth that controls the gate. The controls in the existing officer booth shall be duplicated in the control room of the CVIF in the event the officer is removed from the booth, or in the event of heightened FPCONs.

The CVIF site and the 9/11 Memorial site are separated by a narrow, vegetated area consisting mostly of grass, with some areas of shrub, and by an 8-foot-high black chain line fence. The CVIF site and on-ramp to VA State Route 27 is separated by an 8-foot-high silver chain link fence. Immediately outside the fence is a 6-foot-wide asphalt path, which is frequently used by pedestrians and bicycle riders. The path runs parallel to the fence until it reaches the northern part of the CVIF site. At this point, there is a painted crosswalk that cuts across the vehicle reject lane, near the current active vehicle barrier. Beyond the painted crosswalk, the asphalt path continues northward, running parallel to VA State Route 27.

The site terrain is relatively flat, with the lowest elevations generally found in the eastern portions of the site, and the highest elevations along the western edge of the site.

# PROJECT LOCATION - MAP



PENTAGON



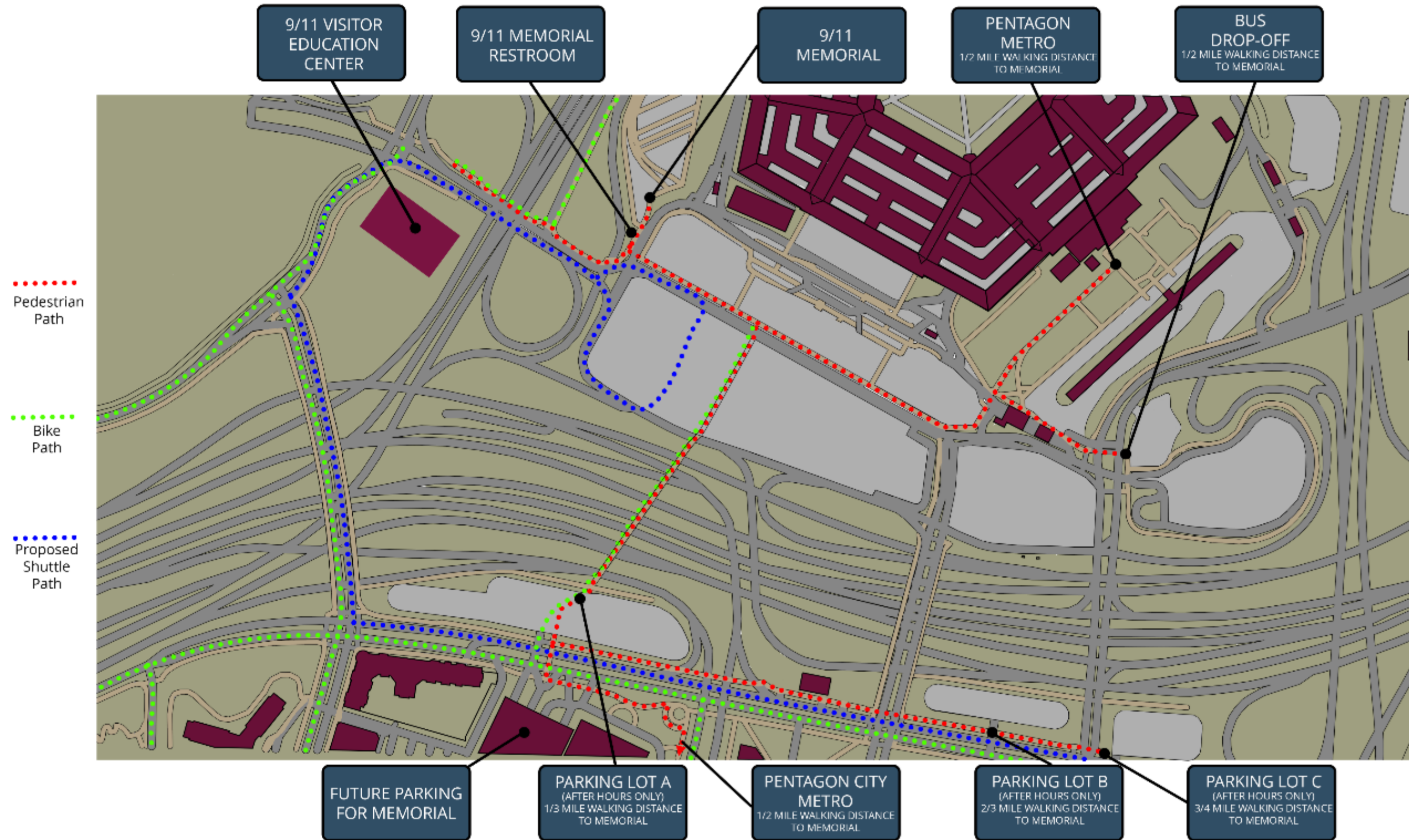
# PROJECT LOCATION – AERIAL PHOTOGRAPH

## LEGEND

1. EXISTING GUARD BOOTHS TO BE REMOVED
2. EXISTING CANOPY AND INSPECTION LANE TO BE REMOVED
3. MOBILE, TEMPORARY RESTROOMS TO BE REMOVED
4. EXISTING 9/11 MEMORIAL

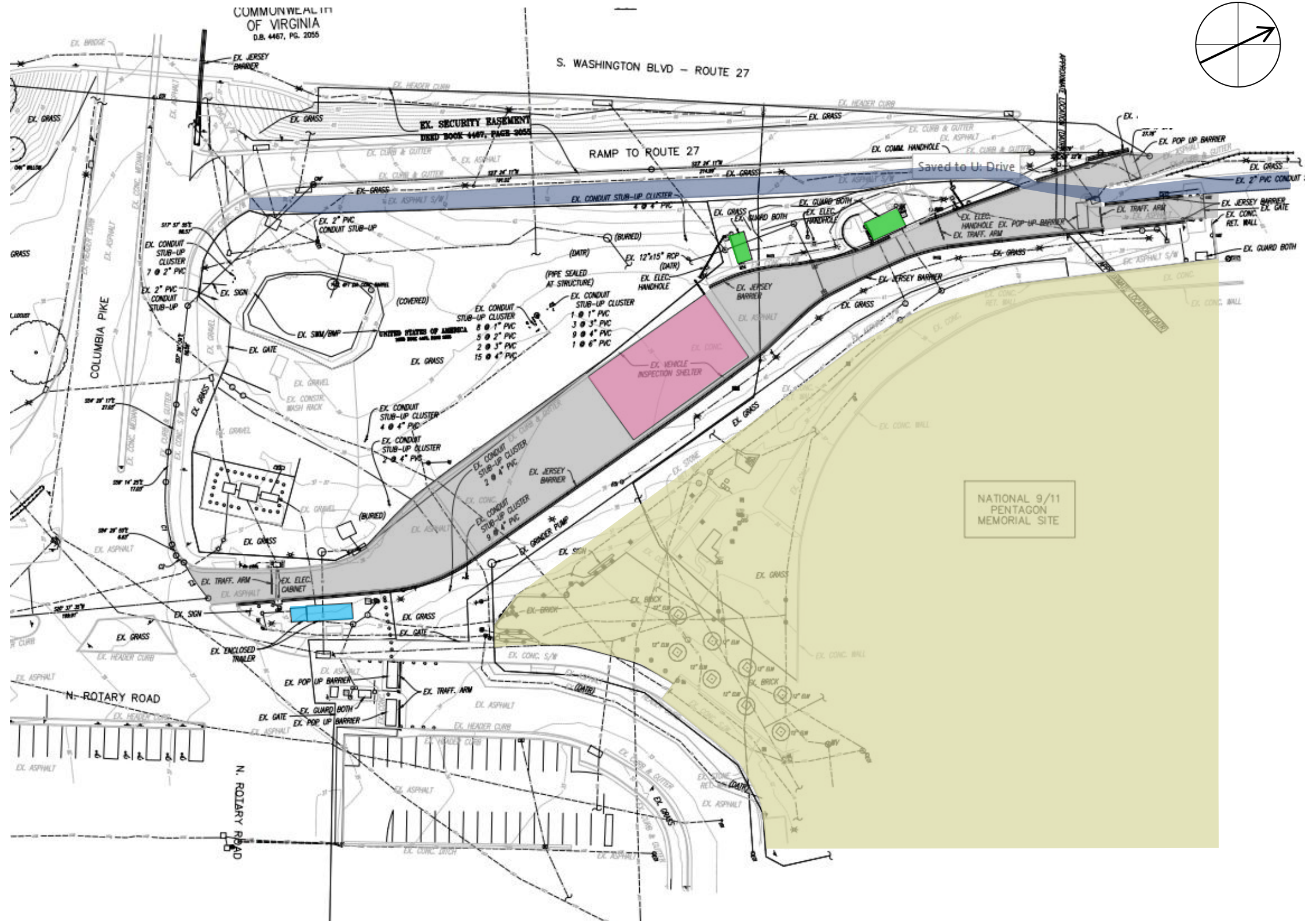


# PATH DIAGRAM - EXISTING CONDITIONS



# SITE PLAN - EXISTING CONDITIONS

- CANOPY AND INSPECTION LANE
- MOBILE, TEMPORARY RESTROOMS
- EXISTING GUARD BOOTHS
- 9/11 MEMORIAL
- BIKE TRAIL



# PHOTOS - EXISTING CANOPY



KEY PLAN



# PHOTOS - EXISTING CANOPY, INSPECTION LANE



KEY PLAN



# PHOTOS - EXISTING CANOPY



KEY PLAN



# PHOTO - FROM 9/11 MEMORIAL ENTRANCE



KEY PLAN



# PHOTOS - FROM 9/11 MEMORIAL ENTRANCE



KEY PLAN



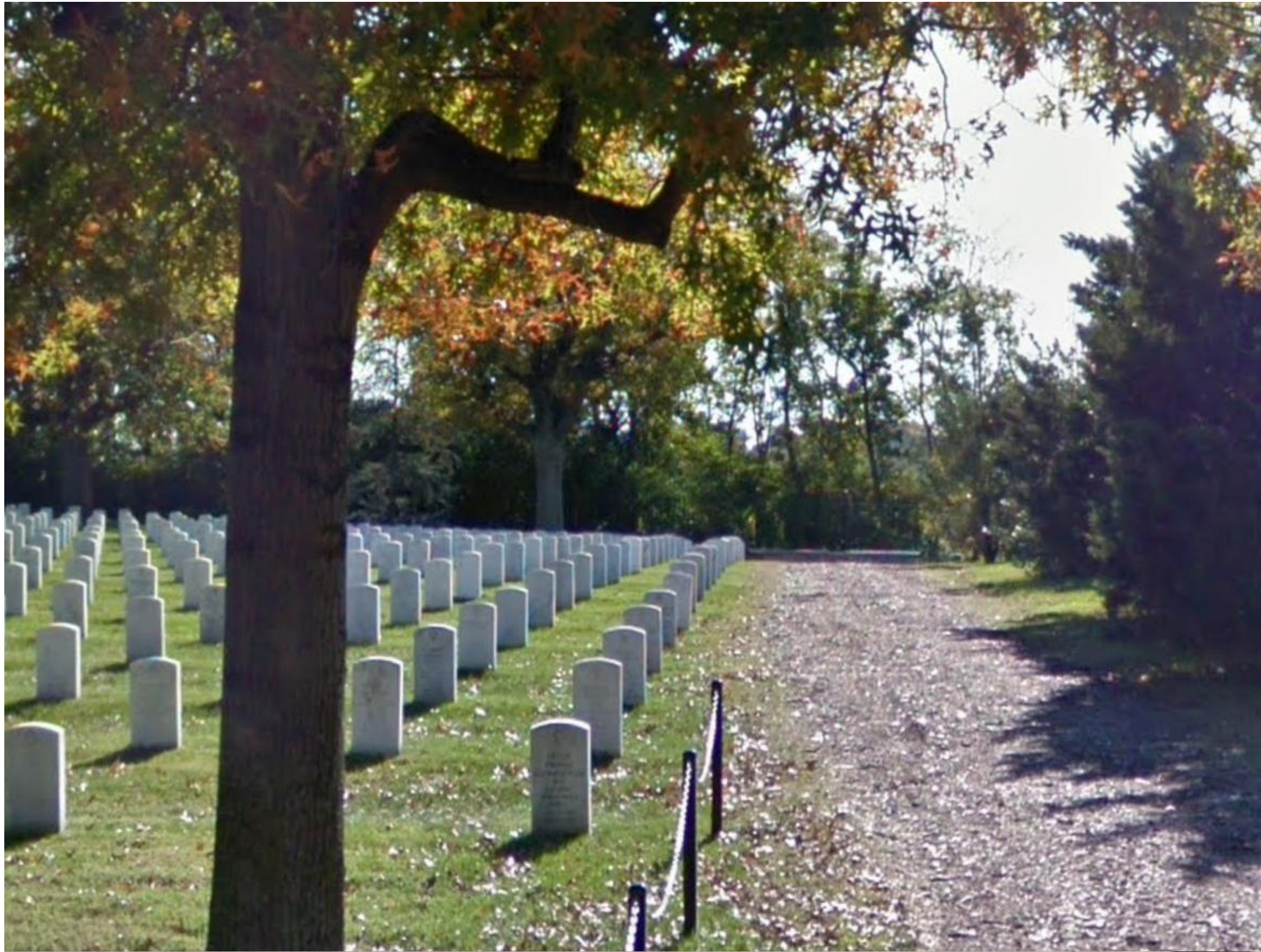
# PHOTOS - TEMPORARY RESTROOM



KEY PLAN



# PHOTO FROM ARLINGTON CEMETERY (2013)



KEY PLAN



# PHOTOS - FROM ARLINGTON CEMETERY (2013)



KEY PLAN



# PHOTO FROM ARLINGTON CEMETERY (2013)



## KEY PLAN



# PROJECT DESCRIPTION

The project consists of the following Items:

**Commercial Vehicle Inspection Facility (CVIF)** - Includes the design and construction of a new Commercial Vehicle Inspection Facility (CVIF) that will replace the temporary Secure Access Lane (SAL) Remote Screening Facility located on the southwest side of the Pentagon located in Arlington, Virginia. Currently, security personnel are housed in temporary structures with no restroom facilities, heat, air condition, or inadequate workspace. Canines are housed in security vehicles that require frequent heat relief and expenditures of personnel time. The project will create a new facility to improve operations and overall security for deliveries to the Pentagon.

The construction of the CVIF facility also includes an inspection canopy structure, adjacent to the CVIF building. The canopy shall include an underground vehicle inspection system adjacent to the CVIF to facilitate vehicle inspections by security personnel. This will require reconstruction of CVIF access roadways, and construction of security measures including fences, gates, barrier walls, active vehicle barriers (AVB), Under Vehicle Surveillance Systems (UVSS), and License Plate Readers (LPR).

**9/11 Memorial Restroom** - Includes the design, design reviews and permitting and construction of a permanent Memorial Restroom (MR) facility. The MR is intended to replace the existing temporary restroom trailer, and to serve the public visitors of the Memorial site. The construction of the Memorial Restroom facility includes the Restroom building itself (with separate male and female restrooms), site utilities (water, sewer, stormwater, electrical, telecommunications, heating/cooling, etc.), site grading and landscape architecture.

# SCOPE OF WORK

The scope of work consists of two items:

1. Design and construct a new **Commercial Vehicle Inspection Facility (CVIF)** that will replace the temporary Secure Access Lane (SAL) Remote Screening Facility. The construction of the CVIF facility includes, but is not limited to the following:
  - Site Demolition
    - Demolition of Existing Temporary SAL Canopy Structure
    - Demolition of Roadway Pavement
    - Demolition of Previously Constructed Structures/Utilities Installed by Previous Contractors
    - Removal of existing cameras and light poles behind barrier walls on both sides of the roadway to increase CVIF roadway width
    - Removal of the existing temporary AVBs
    - Demolition of remaining asphalt bike path between CVIF and 9/11 Memorial
    - Demolition of existing vegetation within CVIF project boundary, as required
    - Demolition of the two (2) temporary buildings
  - CVIF Building for 6 officers
    - Control Room to process vehicles for (5) employees
    - Screening Room to process personnel
    - Work Room with space for six (6) officers
    - Kennel for 6 canines with indoor/outdoor chain-link fence kennel runs
    - Mud Room and Dog Wash area
    - Locker Room, Boot Wash and Emergency Shower
    - Food Prep Room and Tack Room
    - Mechanical Room
    - Electrical Room
    - IT Room
    - Restrooms within the CVIF

# SCOPE OF WORK

- Utility Services
- Anti-Climb Fence and Gates, K-12 Active Vehicle Barriers
- Site perimeter fencing –Anti-Climb Fence
- Parking for 6 cars – 5 regular spaces and 1 ADA accessible space
- Acoustic and visual screening from Pentagon Memorial
- Truck Shelter Superstructure & Enclosure – Canopy
- Site Improvements
  - Widening roadway to two (2) lanes to accommodate two (2) AVBs
  - New K12 rated concrete jersey walls
  - Anti-Climb Fence on jersey walls
  - 4' wide pedestrian gate with key lock at the end of Memorial side fencing
  - Motorized swing gate at the entrance of the travel lanes beyond Canopy
  - Sliding gate at CVIF entry point
  - Sliding gate at CVIF exit point for PFPA
  - Landscaping

2. Design and construct a new permanent **Memorial Restroom (MR) facility**. The construction of the Memorial Restroom facility includes, but is not limited to the following:

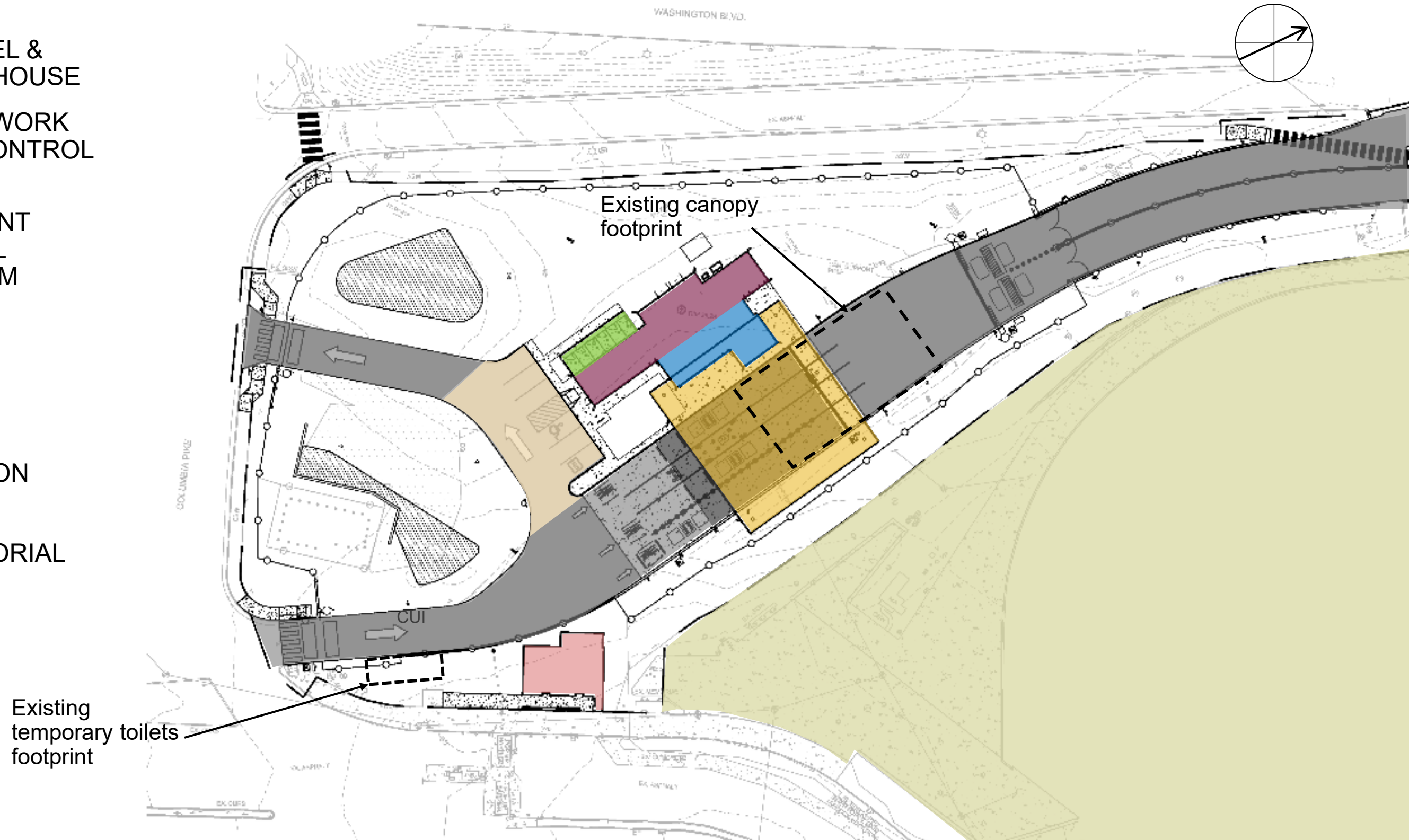
- The Memorial Restroom building
- Utility Services
- Site Demolition to allow for the construction of the Memorial Restroom
- Site Improvements such as grading and landscaping

# AGENCY REVIEW SEQUENCE

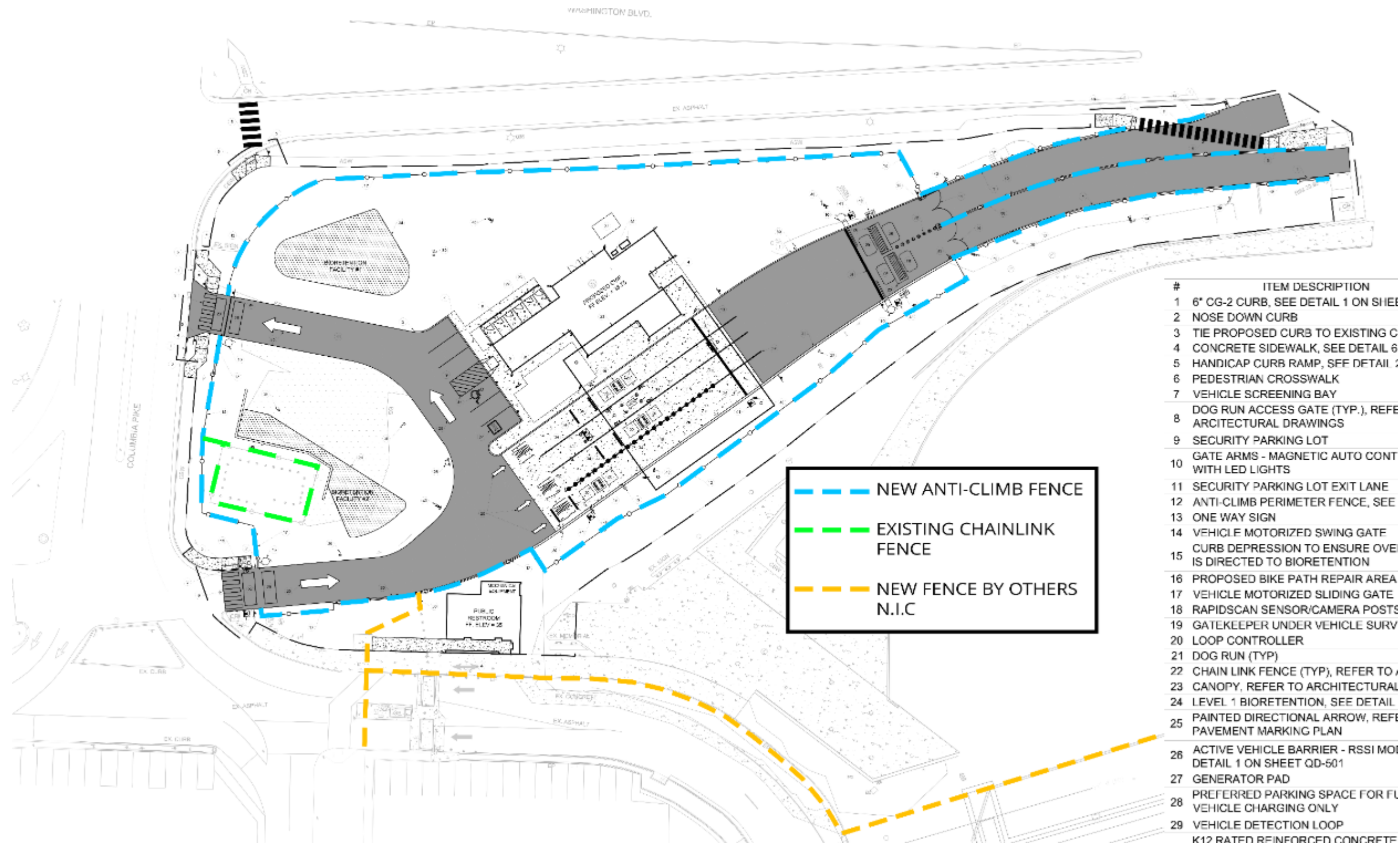
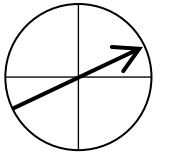
1. REQUEST FOR PROPOSAL  
dated June 2, 2023
2. RFP DRAWINGS  
prepared by HDR Engineering, Inc.
3. TWO COMPONENTS
  - Commercial Vehicle Inspection Facility (CVIF)
  - 9/11 Memorial Restroom (MR)
4. PROJECT AWARDED to TMG  
on October 2024
5. PRELIM CFA BOOKLET SUBMISSION  
June 5, 2025
6. CFA PRESENTATION  
June 18, 2025
7. CFA INFORMAL MEETING  
June 30, 2025
8. NCPC INFORMAL MEETING  
August 1, 2025
9. SHPO INFORMAL MEETING  
August 12, 2025
10. PRELIM CFA BOOKLET SUBMISSION REVISED  
December 31, 2025  
January 22, 2026 – Consent Agenda
11. NCPC CONCEPT REVIEW SUBMISSION  
January 2, 2026  
February 5, 2026 – Consent Agenda
12. CFA FINAL SUBMISSION FOR REVIEW  
March 19, 2026- Approved
13. SHPO Section 106 FOR REVIEW  
March 25, 2026 – Concurrence, No Adverse Effect
14. NCPC PRELIM/FINAL SUBMISSION FOR REVIEW  
April 03, 2026

# PROPOSED CONDITIONS – SITE PLAN ELEMENTS

- K-9 KENNEL & BACK OF HOUSE
- OFFICER WORK AREA & CONTROL BOOTH
- PERMANENT MEMORIAL RESTROOM
- DOG RUN
- CANOPY
- PARKING
- INSPECTION LANES
- 9/11 MEMORIAL



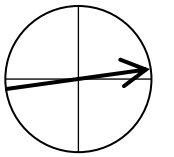
# PROPOSED CONDITIONS – SITE PLAN - FENCING



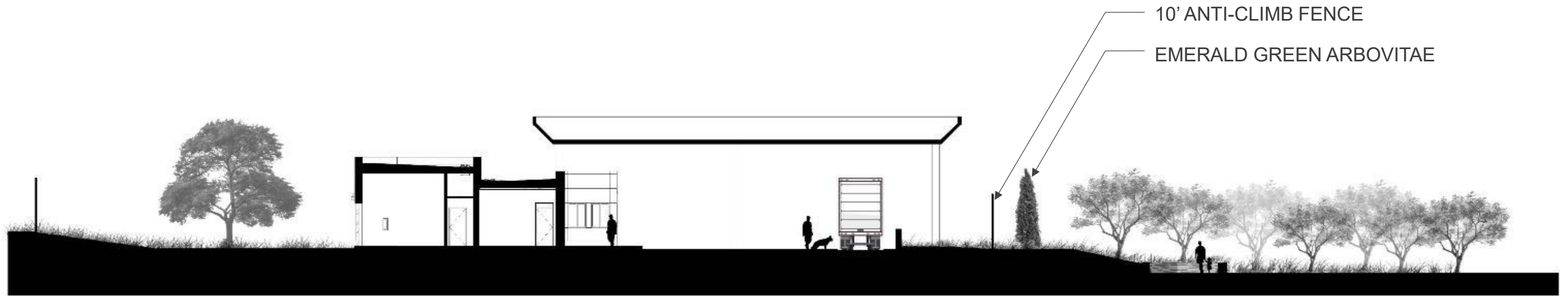
#	ITEM DESCRIPTION
1	6" CG-2 CURB, SEE DETAIL 1 ON SHEET
2	NOSE DOWN CURB
3	TIE PROPOSED CURB TO EXISTING CONCRETE SIDEWALK, SEE DETAIL 6
4	CONCRETE SIDEWALK, SEE DETAIL 6
5	HANDICAP CURB RAMP, SEE DETAIL 5
6	PEDESTRIAN CROSSWALK
7	VEHICLE SCREENING BAY
8	DOG RUN ACCESS GATE (TYP.), REFER TO ARCHITECTURAL DRAWINGS
9	SECURITY PARKING LOT
10	GATE ARMS - MAGNETIC AUTO CONTROL WITH LED LIGHTS
11	SECURITY PARKING LOT EXIT LANE
12	ANTI-CLIMB PERIMETER FENCE, SEE DETAIL 1
13	ONE WAY SIGN
14	VEHICLE MOTORIZED SWING GATE
15	CURB DEPRESSION TO ENSURE OVERHEAD WIRE IS DIRECTED TO BIORETENTION
16	PROPOSED BIKE PATH REPAIR AREA
17	VEHICLE MOTORIZED SLIDING GATE
18	RAPIDSCAN SENSOR/CAMERA POSTS
19	GATEKEEPER UNDER VEHICLE SURVEILLANCE
20	LOOP CONTROLLER
21	DOG RUN (TYP)
22	CHAIN LINK FENCE (TYP), REFER TO ARCHITECTURAL DRAWINGS
23	CANOPY, REFER TO ARCHITECTURAL DRAWINGS
24	LEVEL 1 BIORETENTION, SEE DETAIL 1
25	PAINTED DIRECTIONAL ARROW, REFER TO PAVEMENT MARKING PLAN
26	ACTIVE VEHICLE BARRIER - RSSI MODEL DETAIL 1 ON SHEET QD-501
27	GENERATOR PAD
28	PREFERRED PARKING SPACE FOR FLASHER VEHICLE CHARGING ONLY
29	VEHICLE DETECTION LOOP K12 RATED REINFORCED CONCRETE

- - - NEW ANTI-CLIMB FENCE  
- - - EXISTING CHAINLINK FENCE  
- - - NEW FENCE BY OTHERS N.I.C.

# PROPOSED CONDITIONS – SITE PLAN PLANTINGS



# PROPOSED CONDITIONS – SITE SECTION & ELEVATION

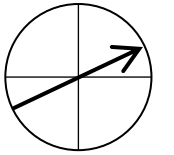


SECTION A-A



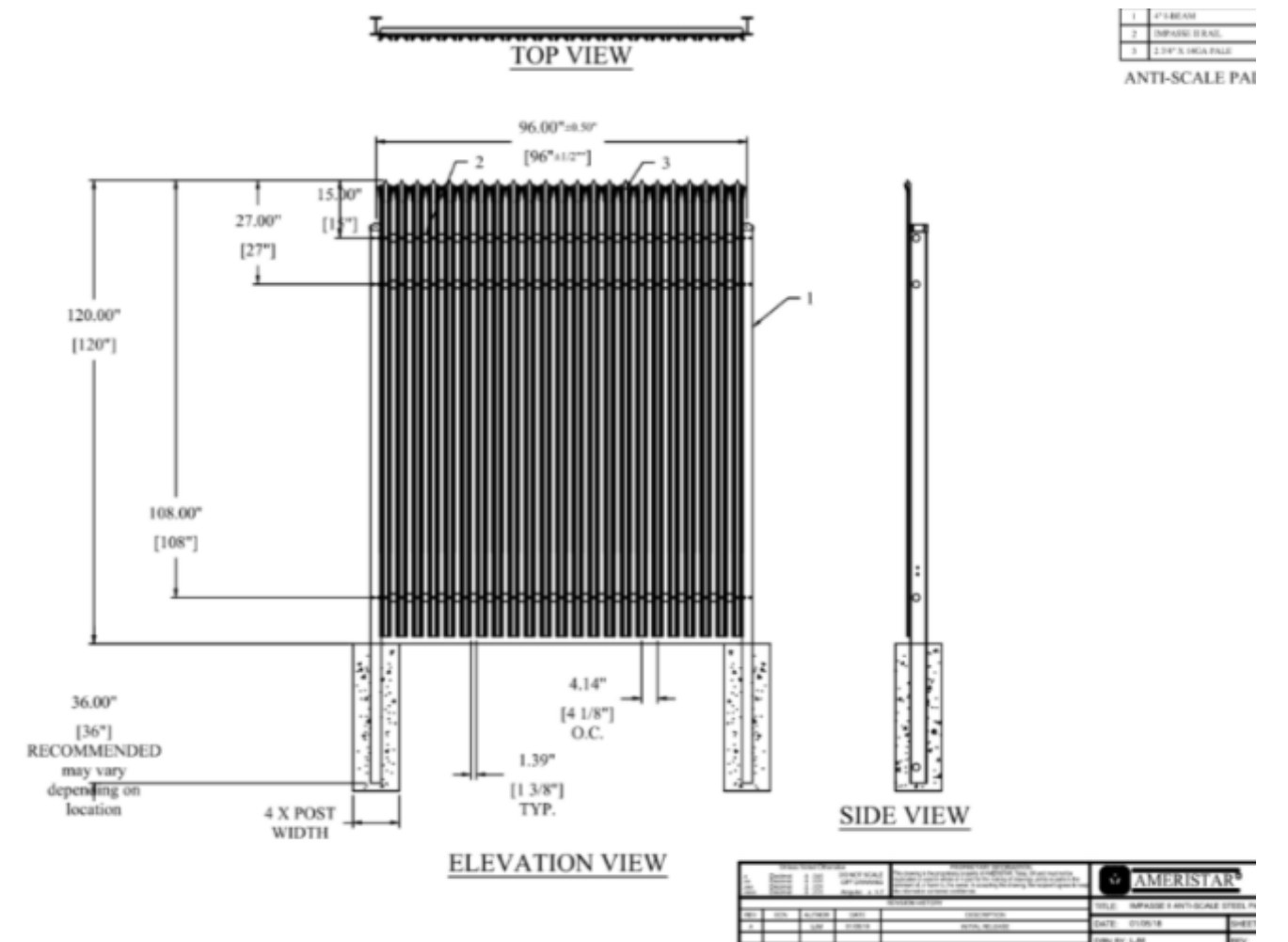
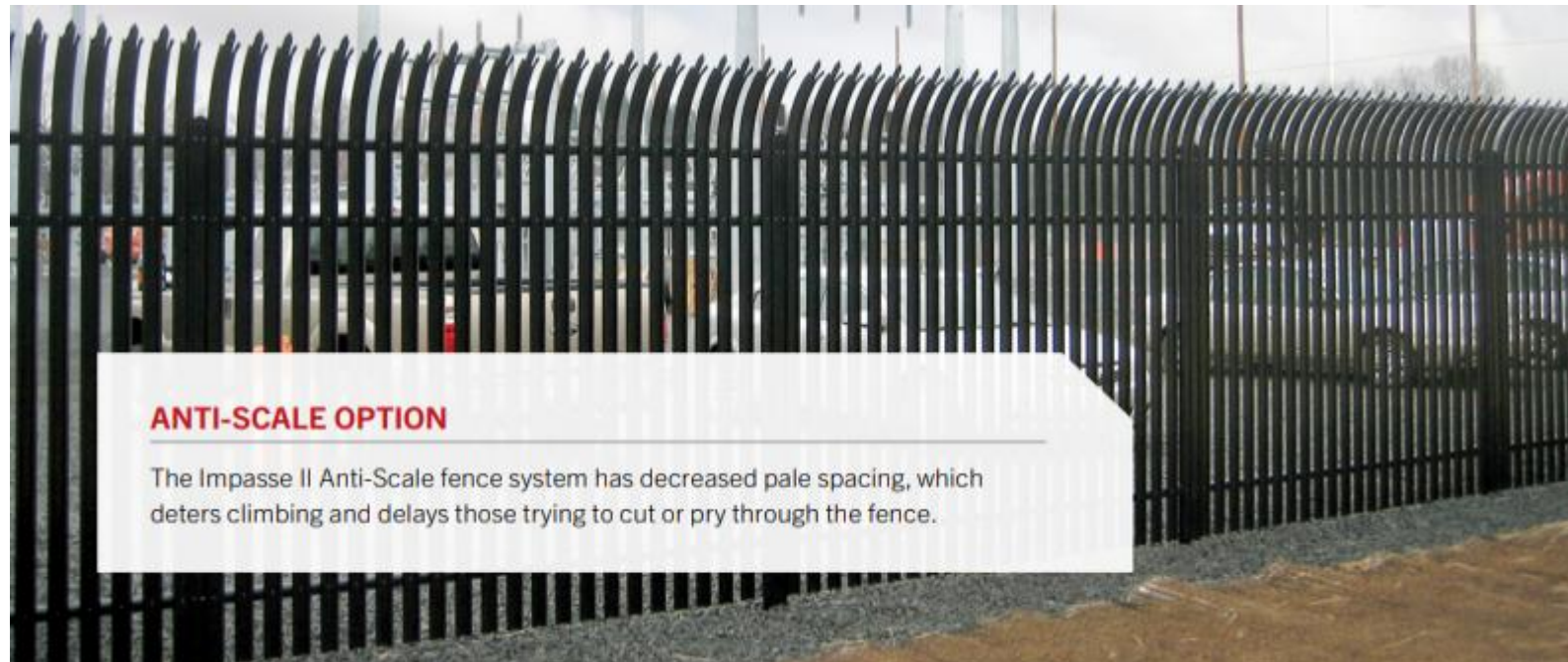
ELEVATION 1

# PROPOSED CONDITIONS – LANDSCAPE PLAN



# PROPOSED CONDITIONS - ANTI-CLIMB FENCE

10 FT TALL



# PROPOSED CONDITIONS - LANDSCAPE ELEMENTS

EMERALD GREEN ARBORVITAE  
UP TO 15 FT TALL AND 4 FT WIDTH

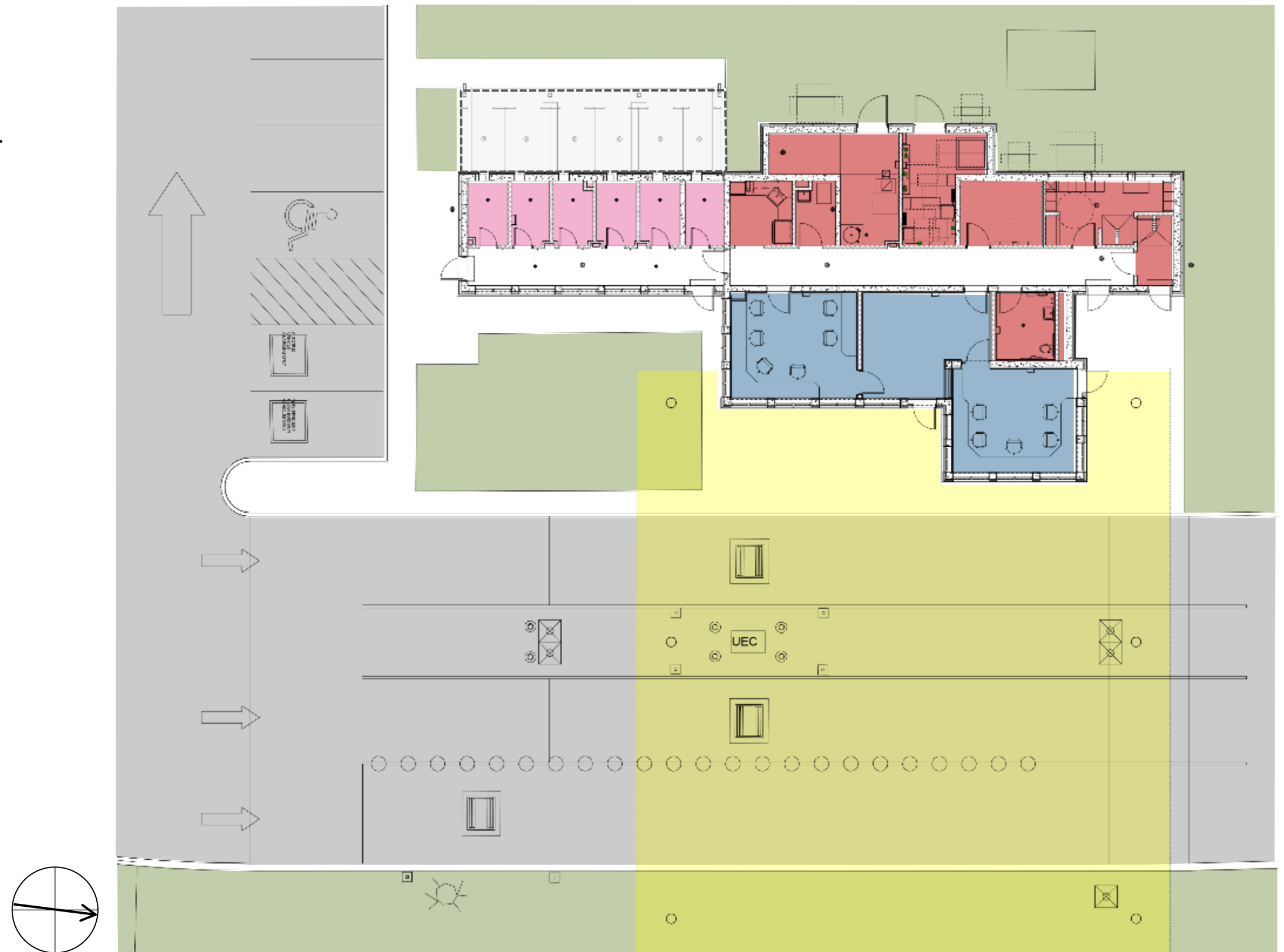


# PROPOSED CONDITIONS – LANDSCAPE SCHEDULE

Key	QTY	Botanical Name	Common Name	Size	Spacing	Root Condition
<b>Shrubs</b>						
AM	35	<i>Aronia melanocarpa</i> 'UCONNAM166'	LowScape Hedger Black Chokeberry	1 Gal.	30"	Container
CA	42	<i>Clethra alnifolia</i>	Summersweet	1 Gal.	36"	Container
IG	43	<i>Ilex glabra</i> 'Shamrock'	Inkberry Holly	3 Gal.	36"	Container
IW	14	<i>Ilex verticillata</i> 'Winter Red'	Winterberry Holly	3 Gal.	48"	Container
MP	64	<i>Morella pensylvanica</i>	Northern Bayberry	3 Gal.	36"	Container
TO	56	<i>Thuja occidentalis</i> 'Smaragd'	Emerald Green Arborvitae	#25, 8' min. Ht.	5' o.c.	Container
<b>Perennials and Groundcovers</b>						
AG	30	<i>Andropogon gerardii</i> 'Blackhawks'	Big Bluestem	Quart	24" o.c.	Container
HL	41	<i>Hibiscus</i> 'Lord Baltimore'	Hibiscus	1 Gal.	30" o.c.	Container
SS	21	<i>Solidago sphacelata</i> 'Golden Fleece'	Autumn Goldenrod	Quart	24" o.c.	Container
CP	49	<i>Carex pensylvanica</i>	Pennsylvania Sedge	Quart	24" o.c.	Container
CV	282	<i>Carex vulpinoidea</i>	Fox Sedge	Quart	24" o.c.	Container
LS	25	<i>Liatris spicata</i> 'Kobold'	Blazing Star	Quart	24" o.c.	Container
LC	21	<i>Lobelia cardinalis</i>	Cardinal Flower	Quart	24" o.c.	Container
IS	34	<i>Iris virginica</i>	Blue Flag	Quart	18" o.c.	Container
PA	32	<i>Panicum amarum</i> 'Dewey Blue'	Cape Breeze Dwarf Switchgrass	1 Gal.	36" o.c.	Container
PC	282	<i>Panicum virgatum</i> 'Cape Breeze'	Cape Breeze Dwarf Switchgrass	Quart	24" o.c.	Container
PD	38	<i>Penstemon digitalis</i> 'Dark Towers'	Beardtongue	Quart	18" o.c.	Container
<b>Trees</b>						
QP	6	<i>Quercus phellos</i>	Willow Oak	2.5" cal. 14' ht.	per plan	B+B
<b>Native Turf Grass</b>						
40,550 SF	Species planted shall be determined by planting time. Do not mix species. Apply per manufacturer recommended rate.					
	<b>Cool Season September 1-April 30</b>					
	<i>Elymus virginicus</i>	Virginia Wild Rye	Pure Live Seed			
	<b>Warm Season May 1-August 30</b>					
	<i>Buchloe dactyloides</i>	Prestige Buffalo Grass	Pure Live Seed		Not to be used in bioretention areas	

# PROPOSED CONDITIONS – CVIF FLOOR PLAN

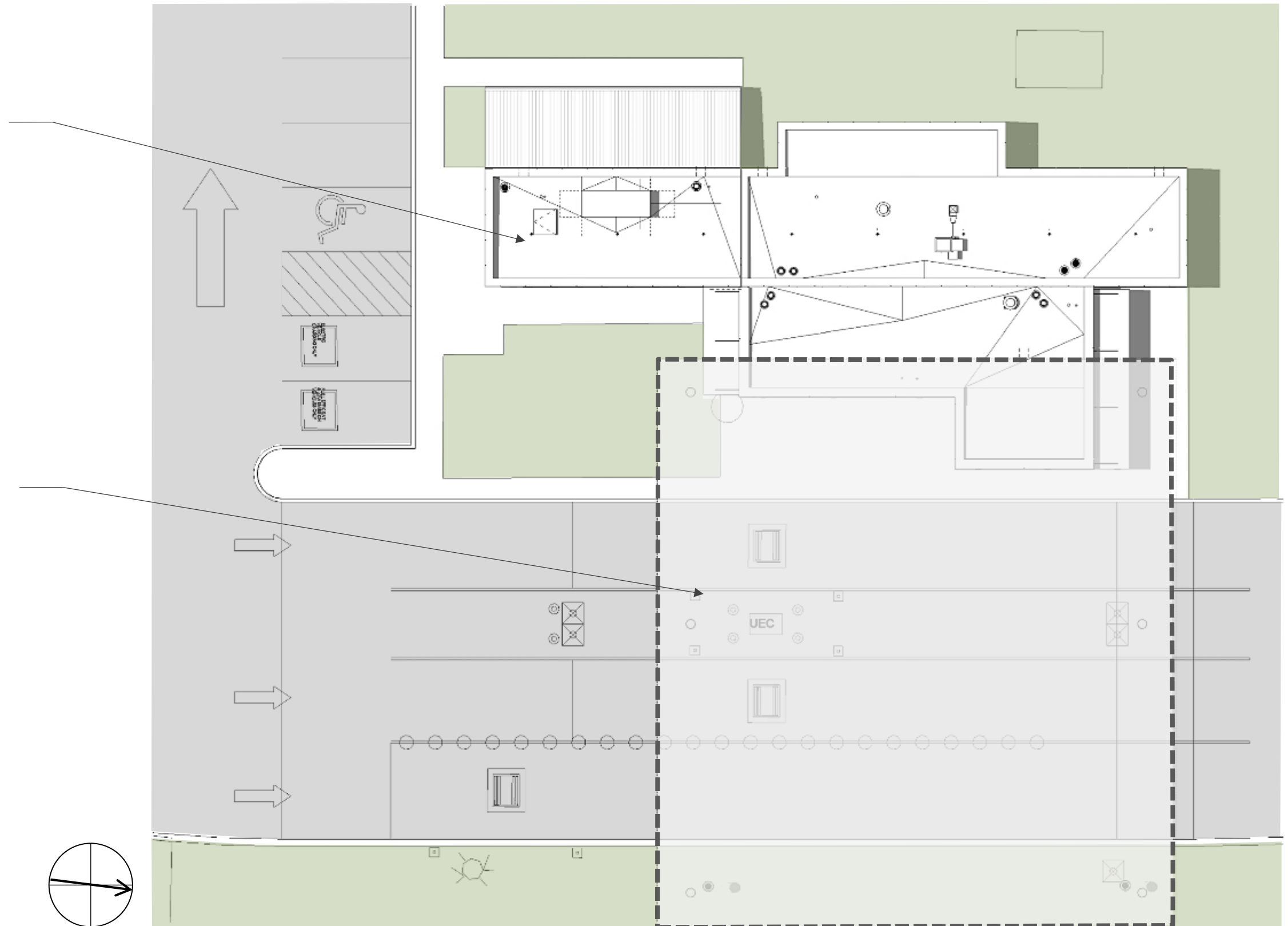
-  SUPPORT SPACES
-  OPERATIONS - KENNEL
-  OFFICER WORK AREA & CONTROL BOOTH
-  CANOPY
-  DOG RUN



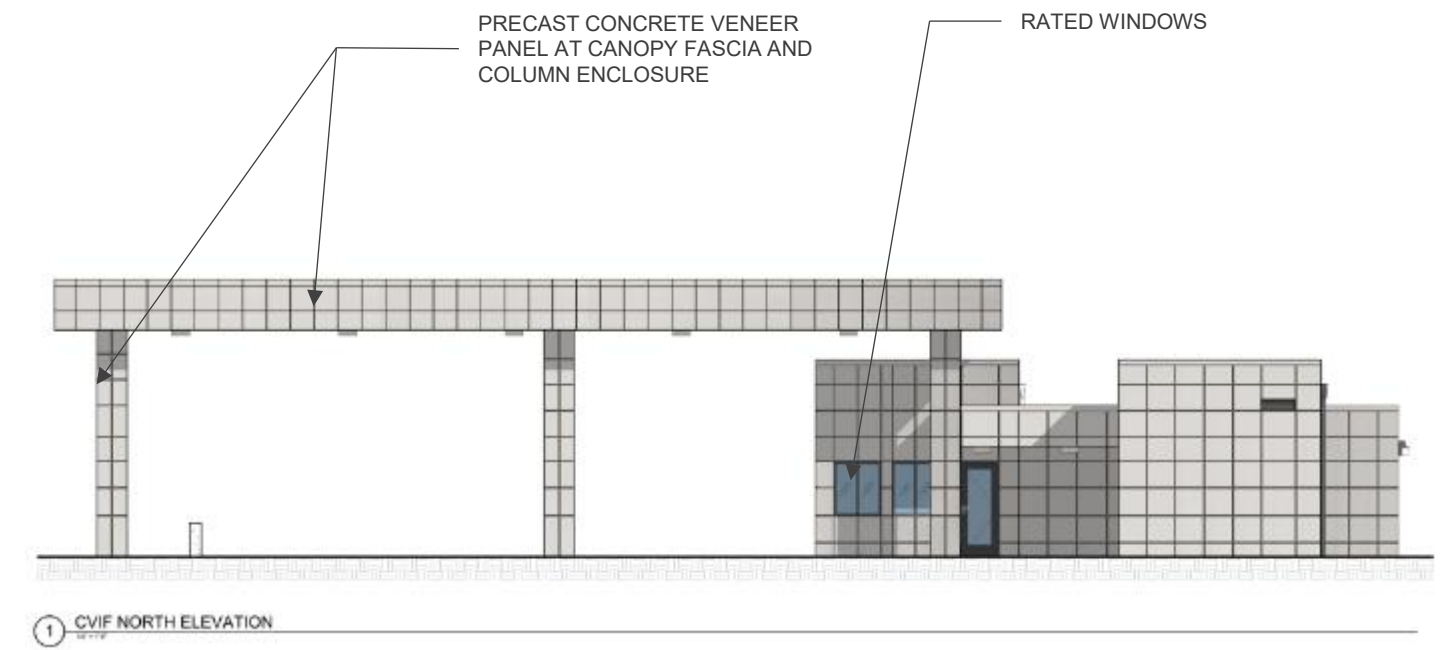
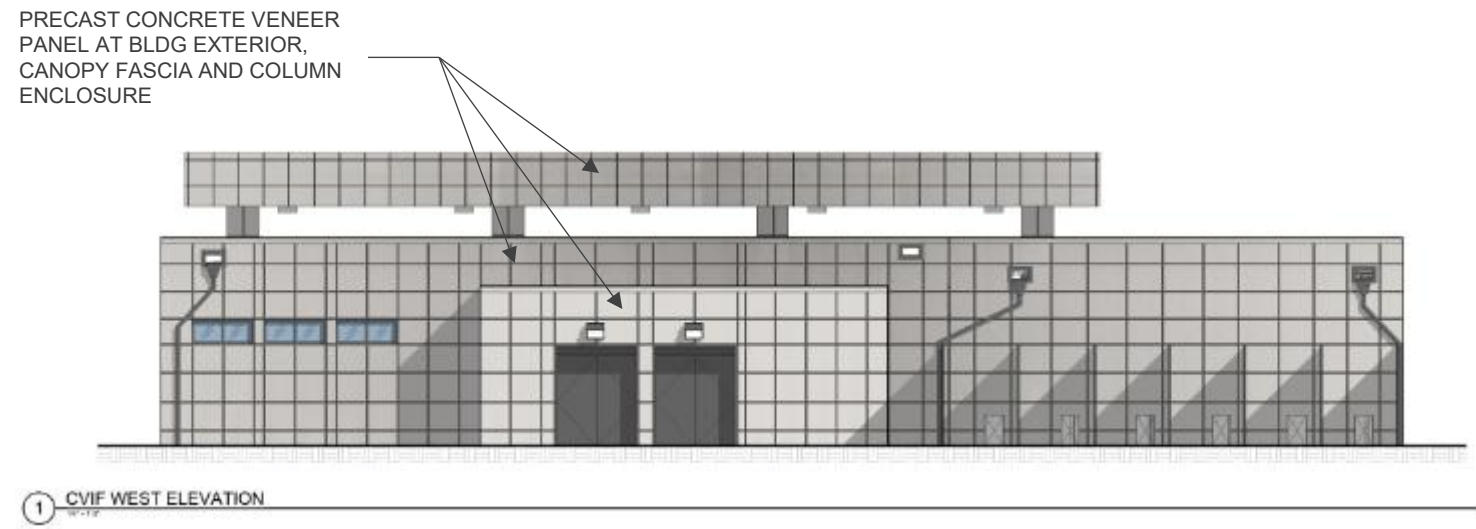
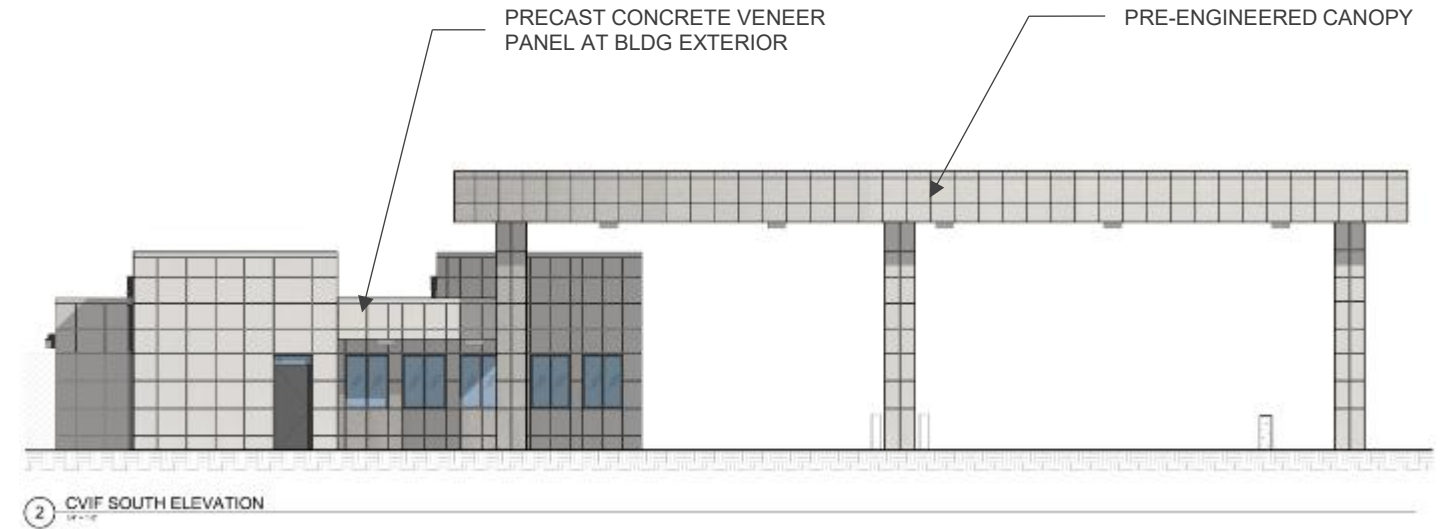
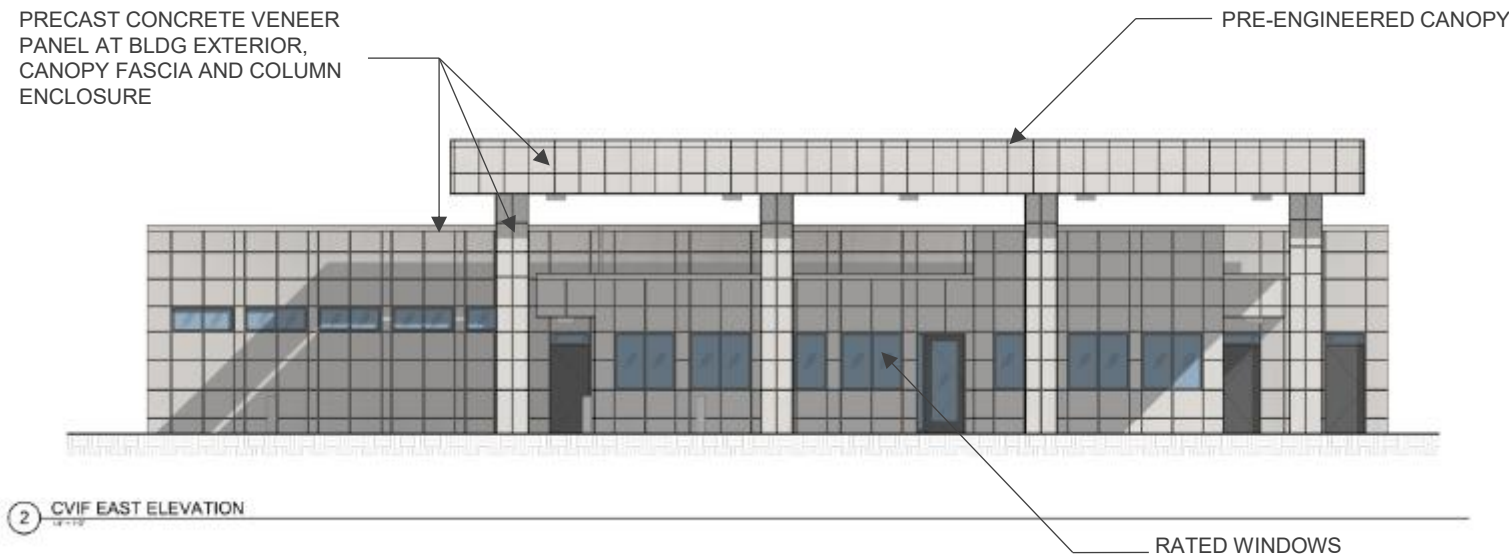
# PROPOSED CONDITIONS – CVIF ROOF PLAN

EPDM WHITE ROOF  
MEMBRANE THROUGHOUT  
BUILDING WITH INTEGRAL  
DRAINS

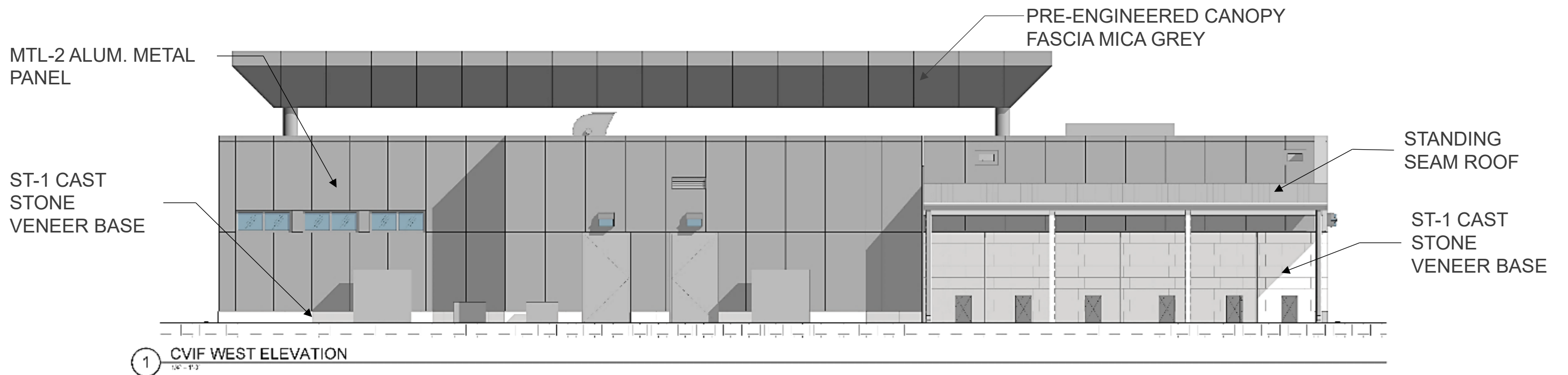
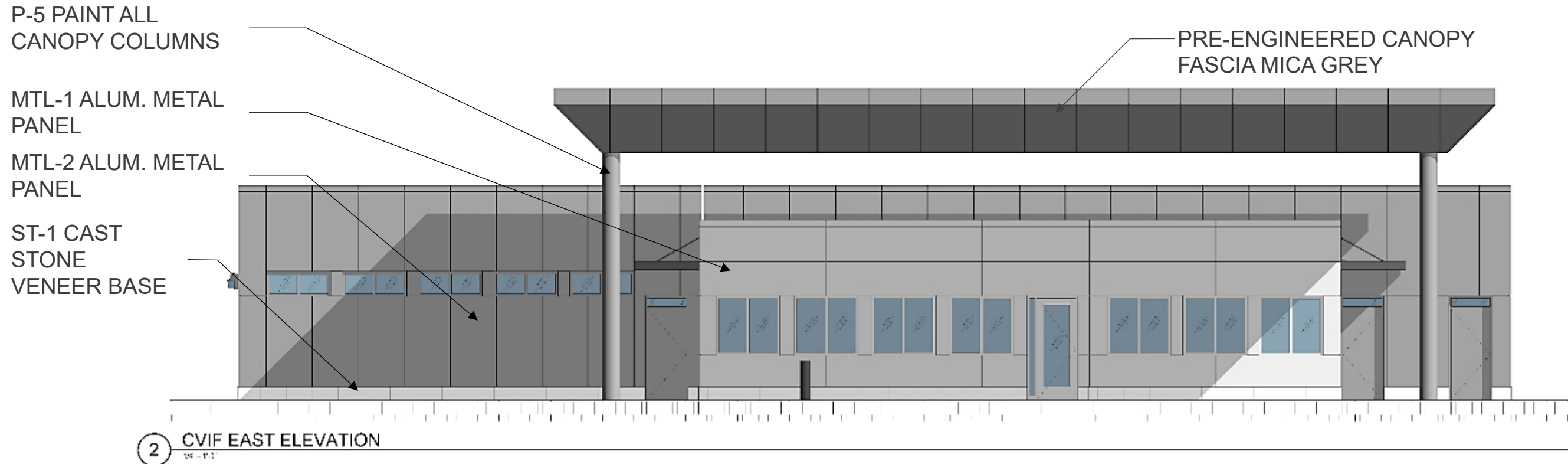
PRE-ENGINEERED CANOPY  
ABOVE



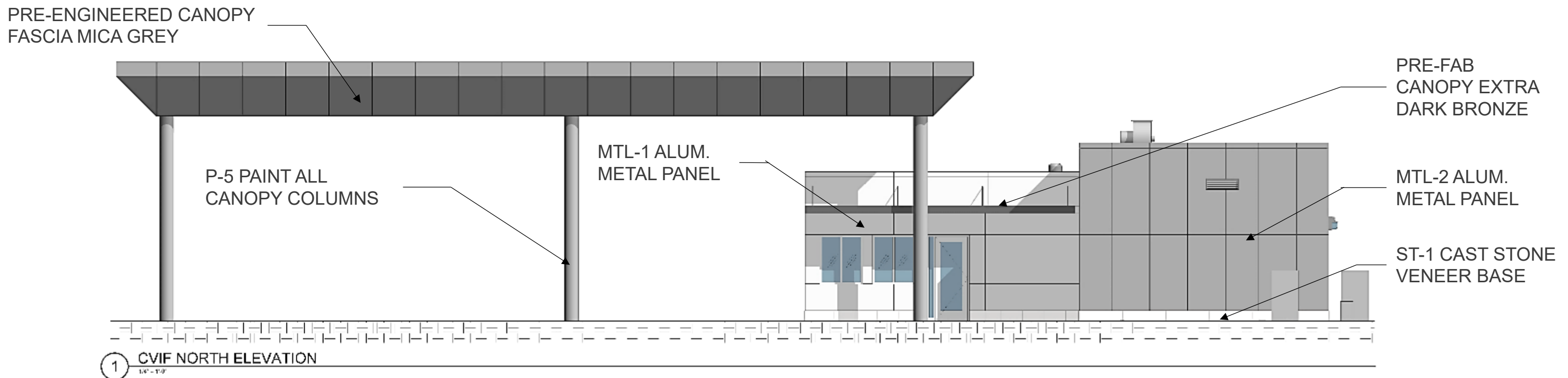
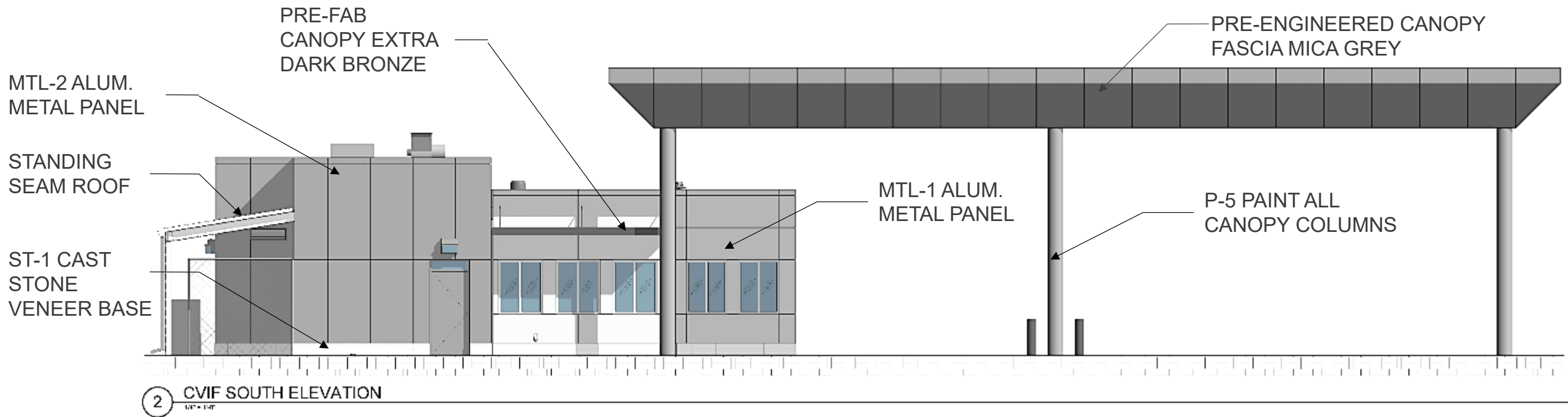
# PREVIOUS DESIGN – CVIF ELEVATIONS



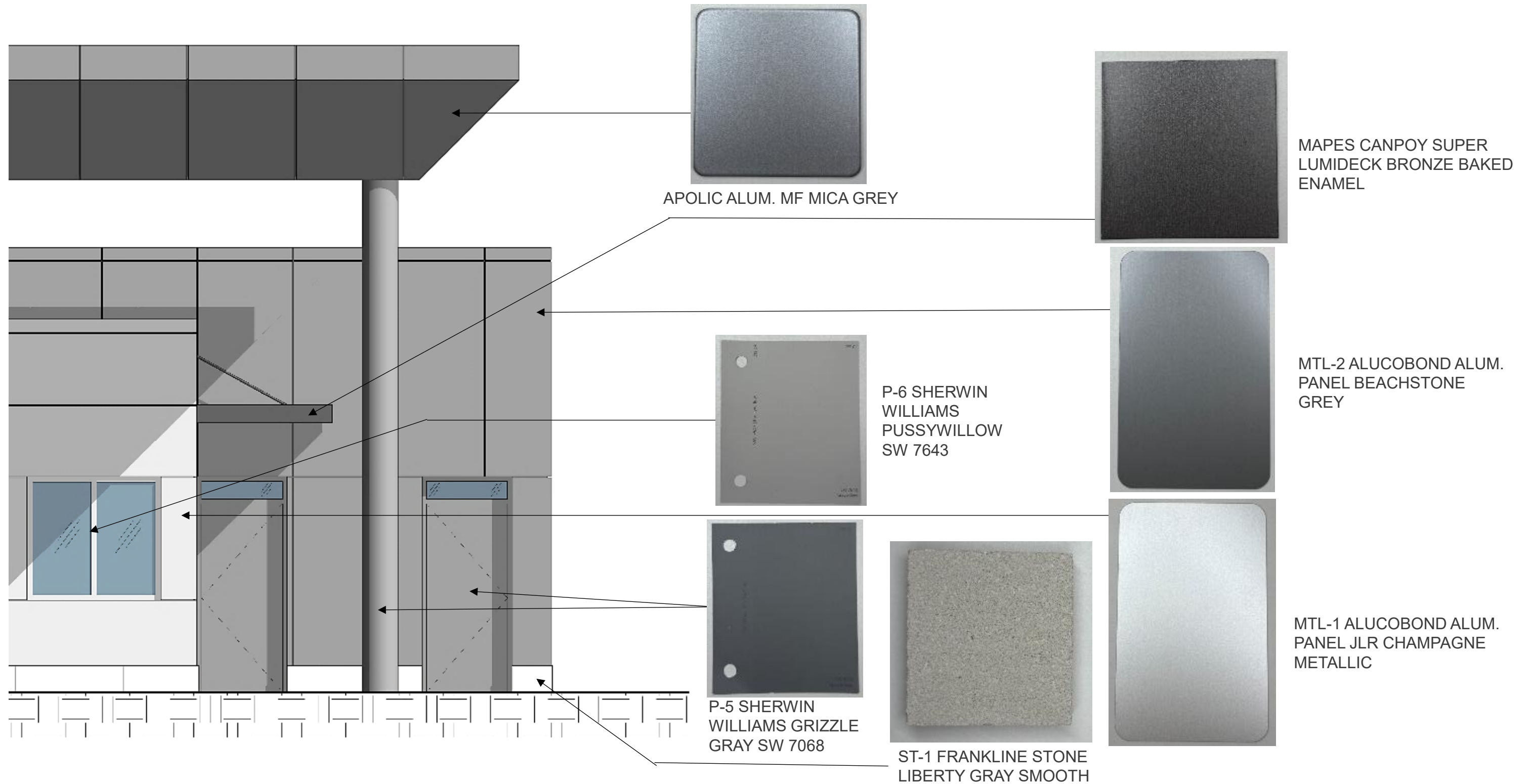
# PROPOSED CONDITIONS – CVIF ELEVATIONS



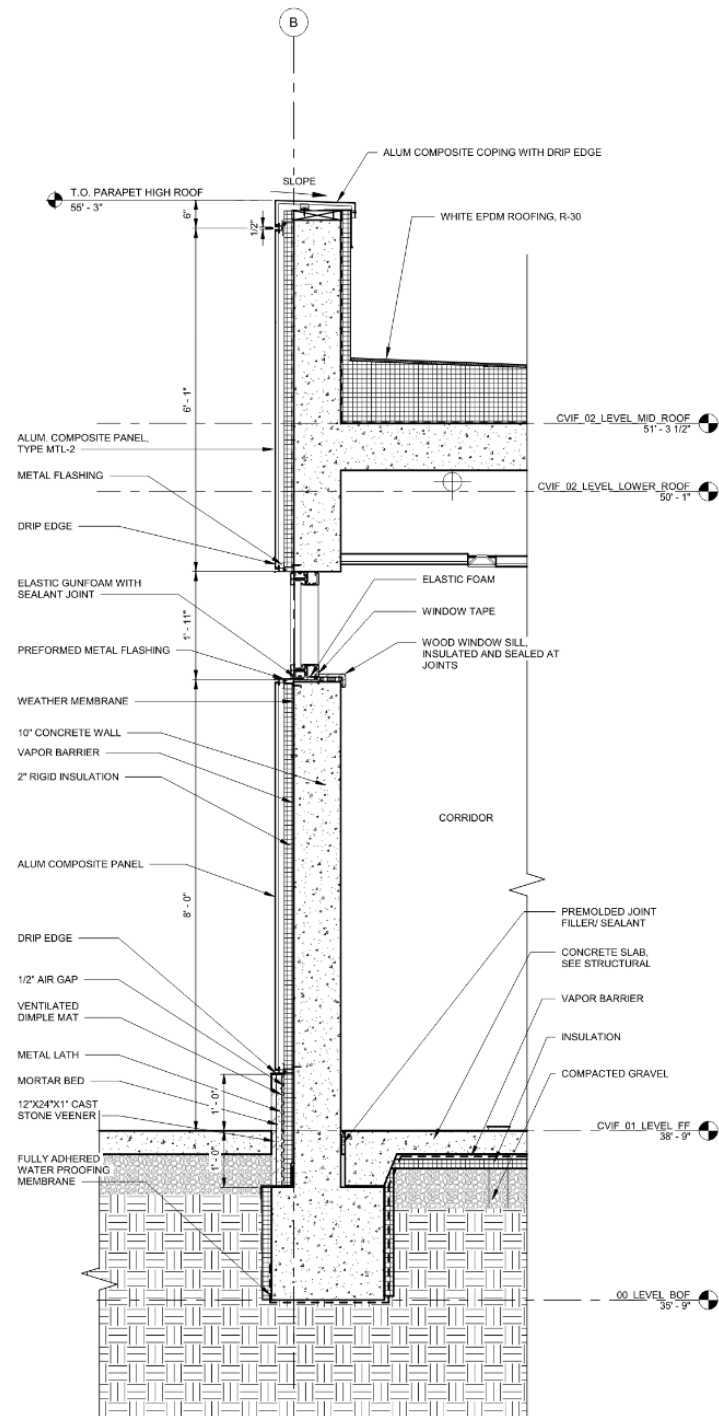
# PROPOSED CONDITIONS – CVIF ELEVATIONS



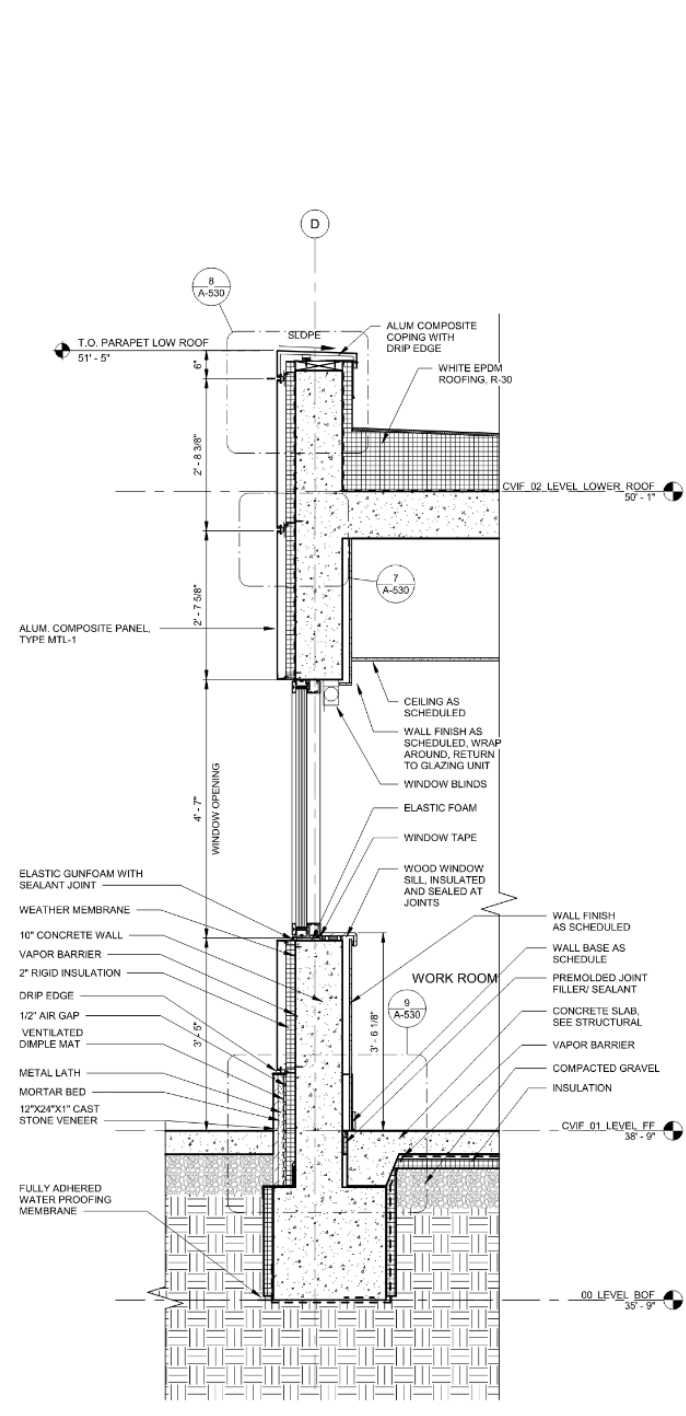
# PROPOSED CONDITIONS – EXTERIOR FINISHES



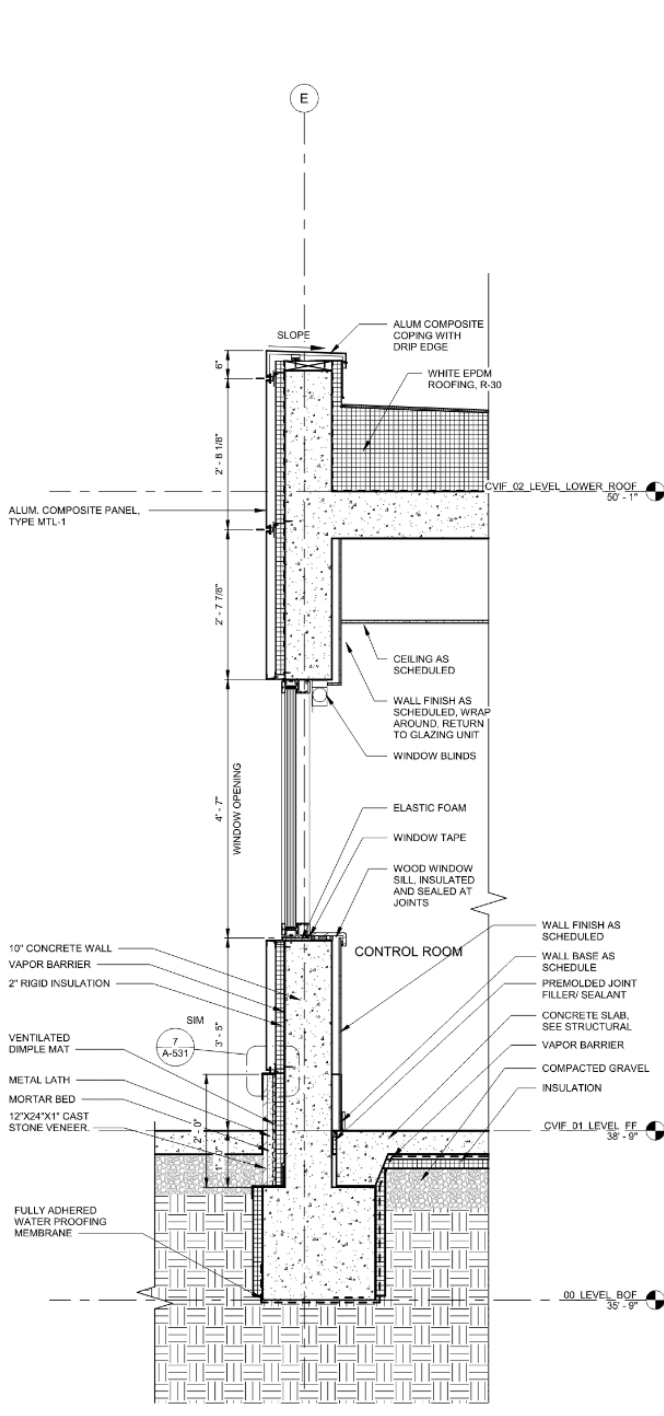
# PROPOSED CONDITIONS – CVIF WALL SECTIONS



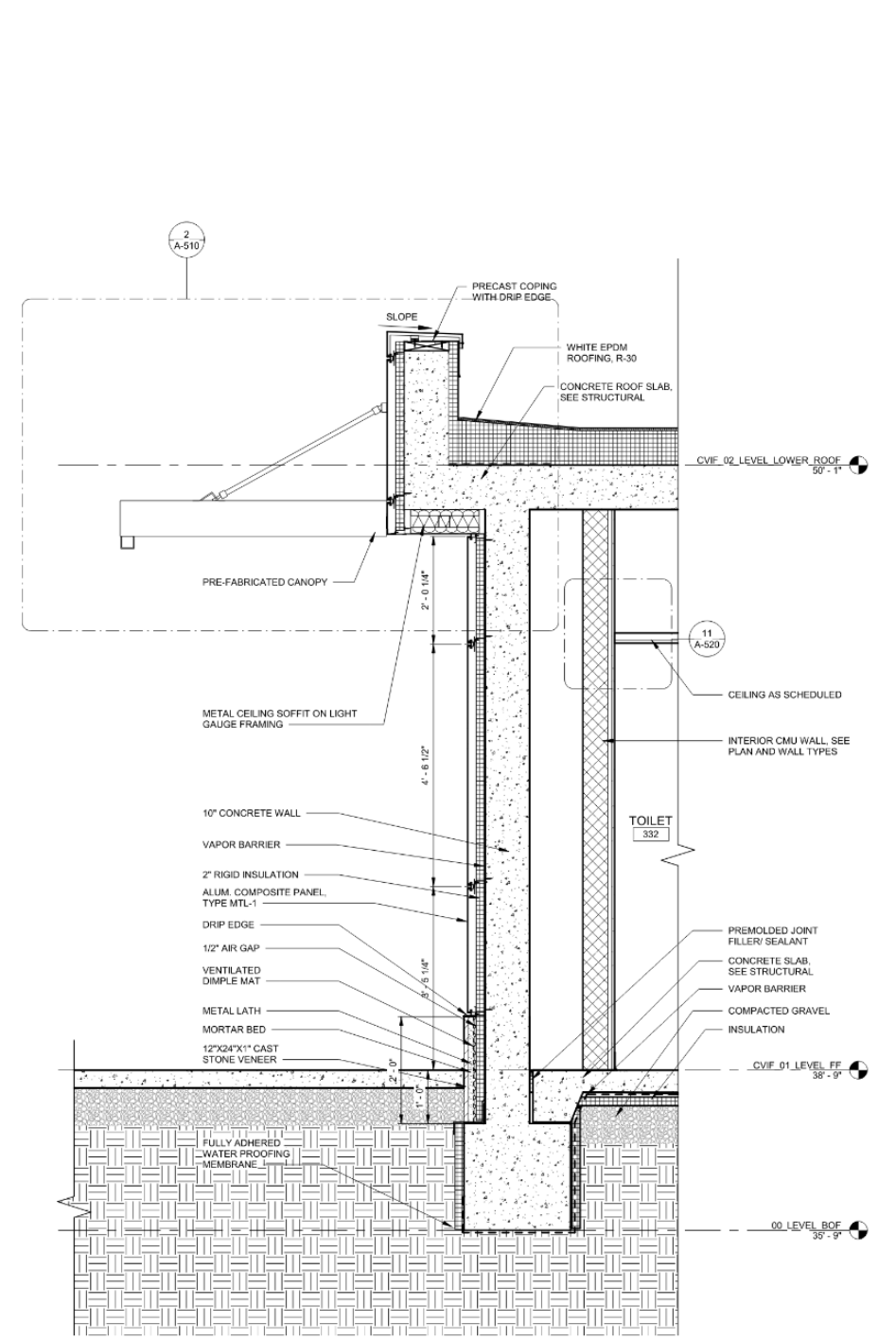
4 CVIF WALL SECTION  
3/4" = 1'-0"



3 CVIF WALL SECTION AT WORK ROOM  
3/4" = 1'-0"

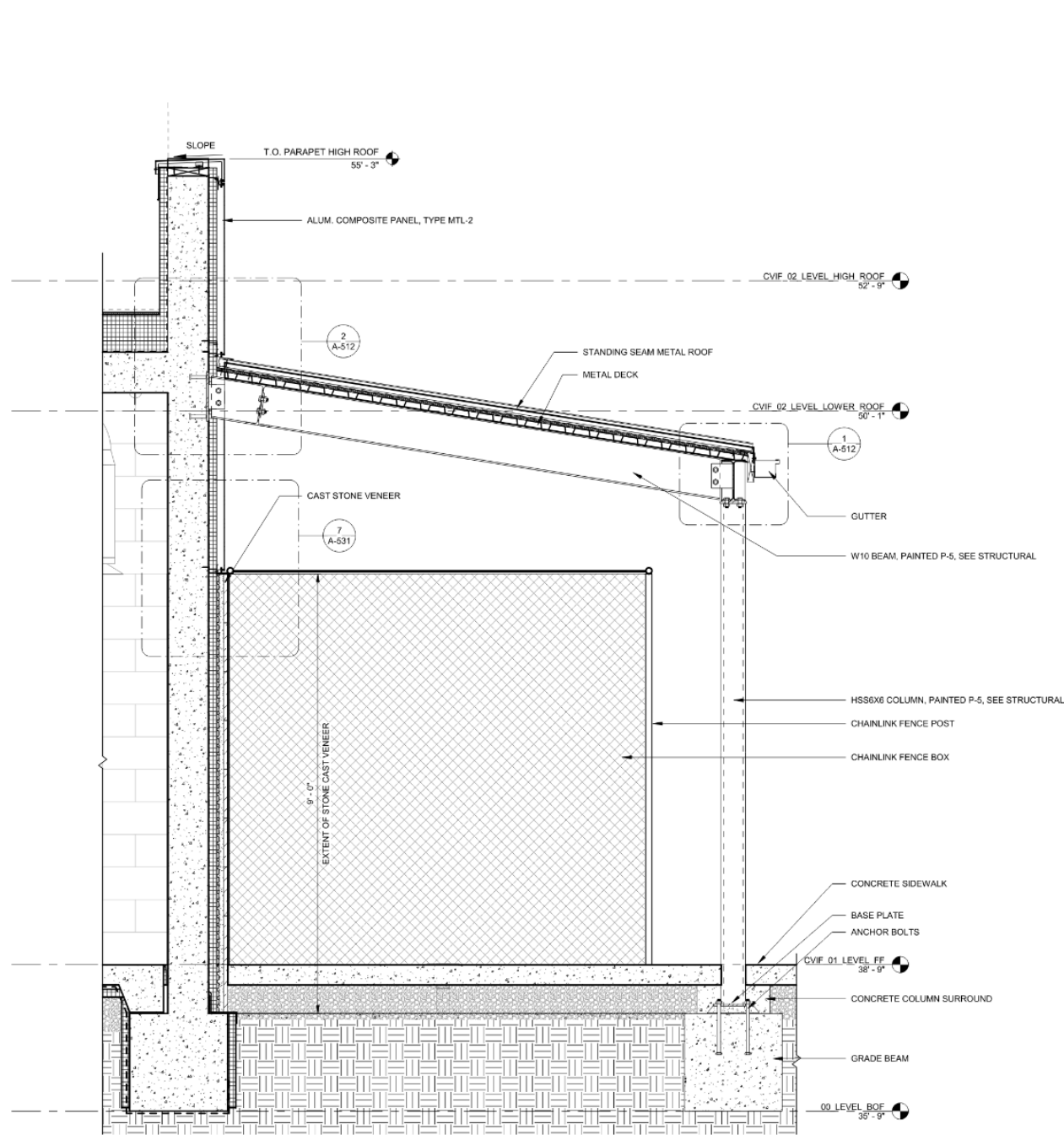


2 CVIF WALL SECTION AT CONTROL ROOM  
3/4" = 1'-0"

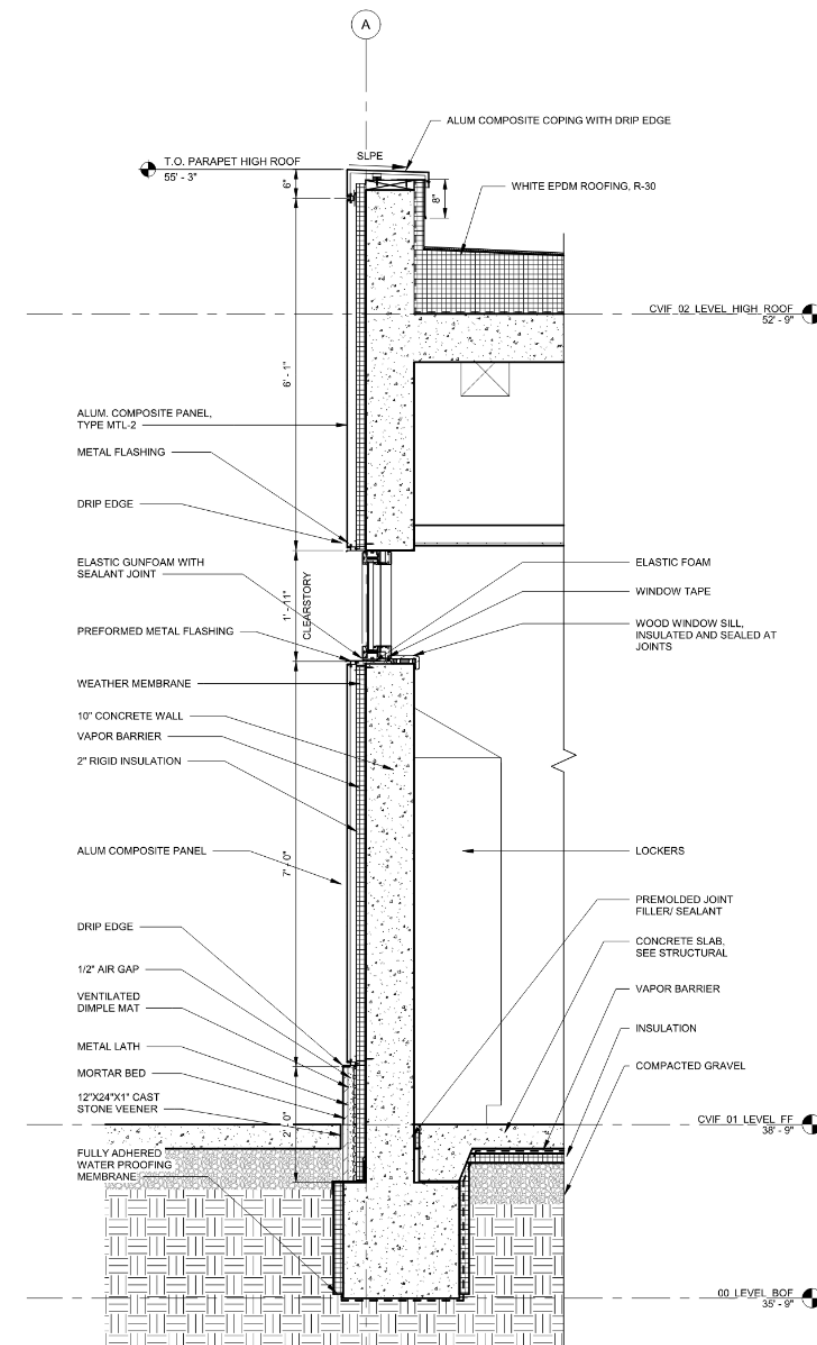


1 CVIF WALL SECTION AT RESTROOM  
3/4" = 1'-0"

# PROPOSED CONDITIONS – CVIF WALL SECTIONS

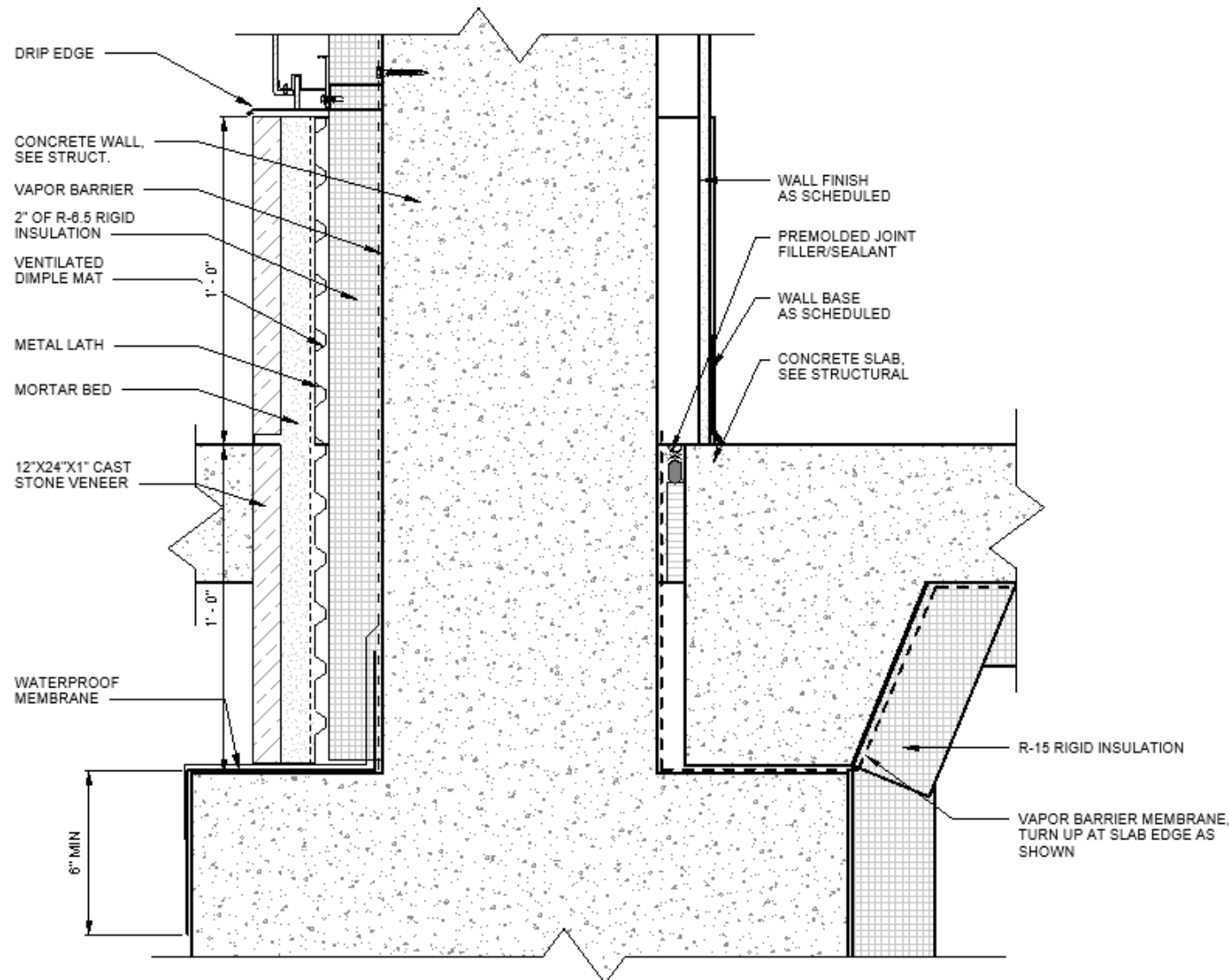


2 DOG RUN EXTERIOR SECTION  
3/4" = 1'-0"

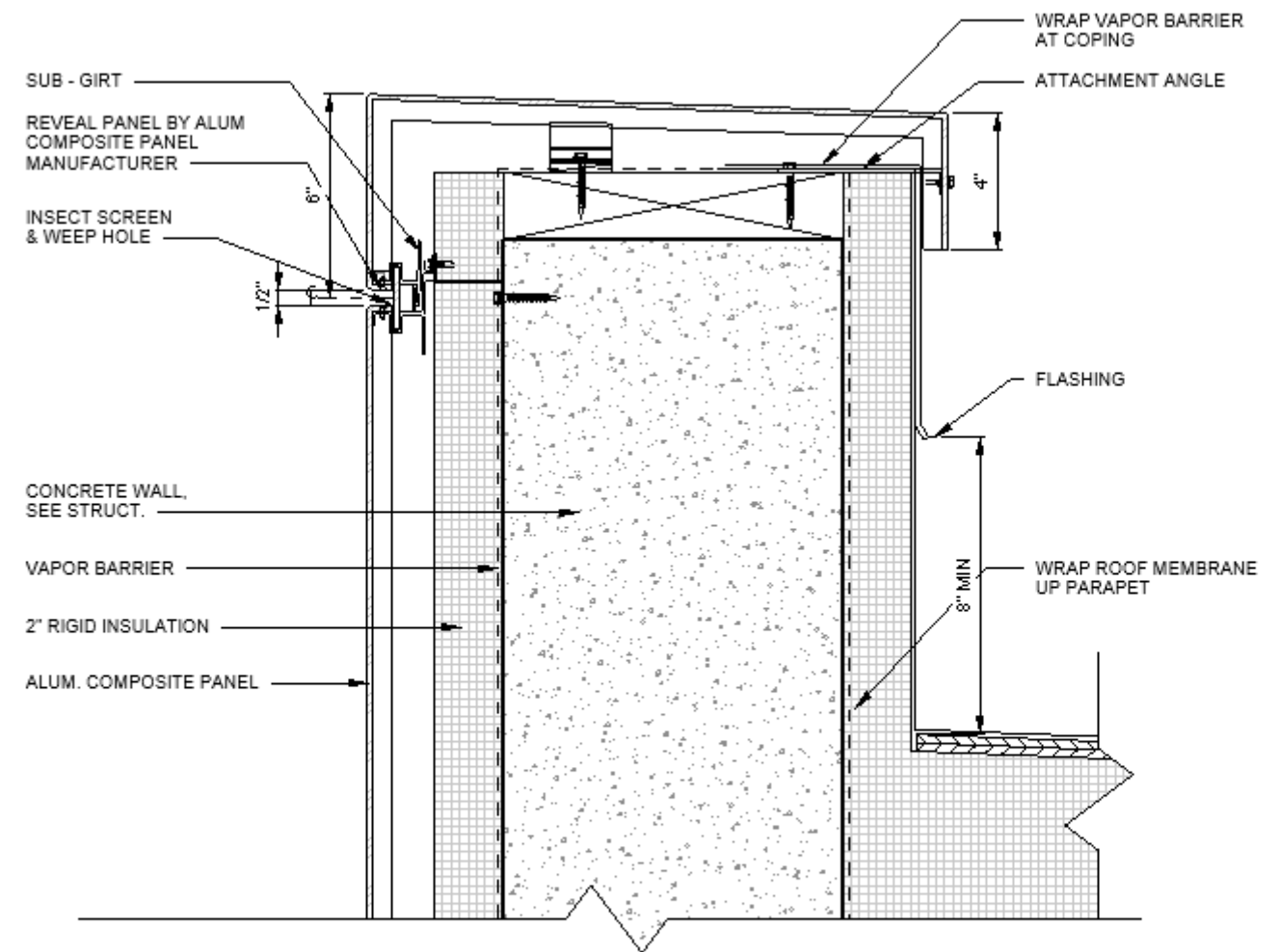


1 WALL SECTION AT LOCKER ROOM  
3/4" = 1'-0"

# PROPOSED CONDITIONS – CVIF EXTERIOR DETAILS

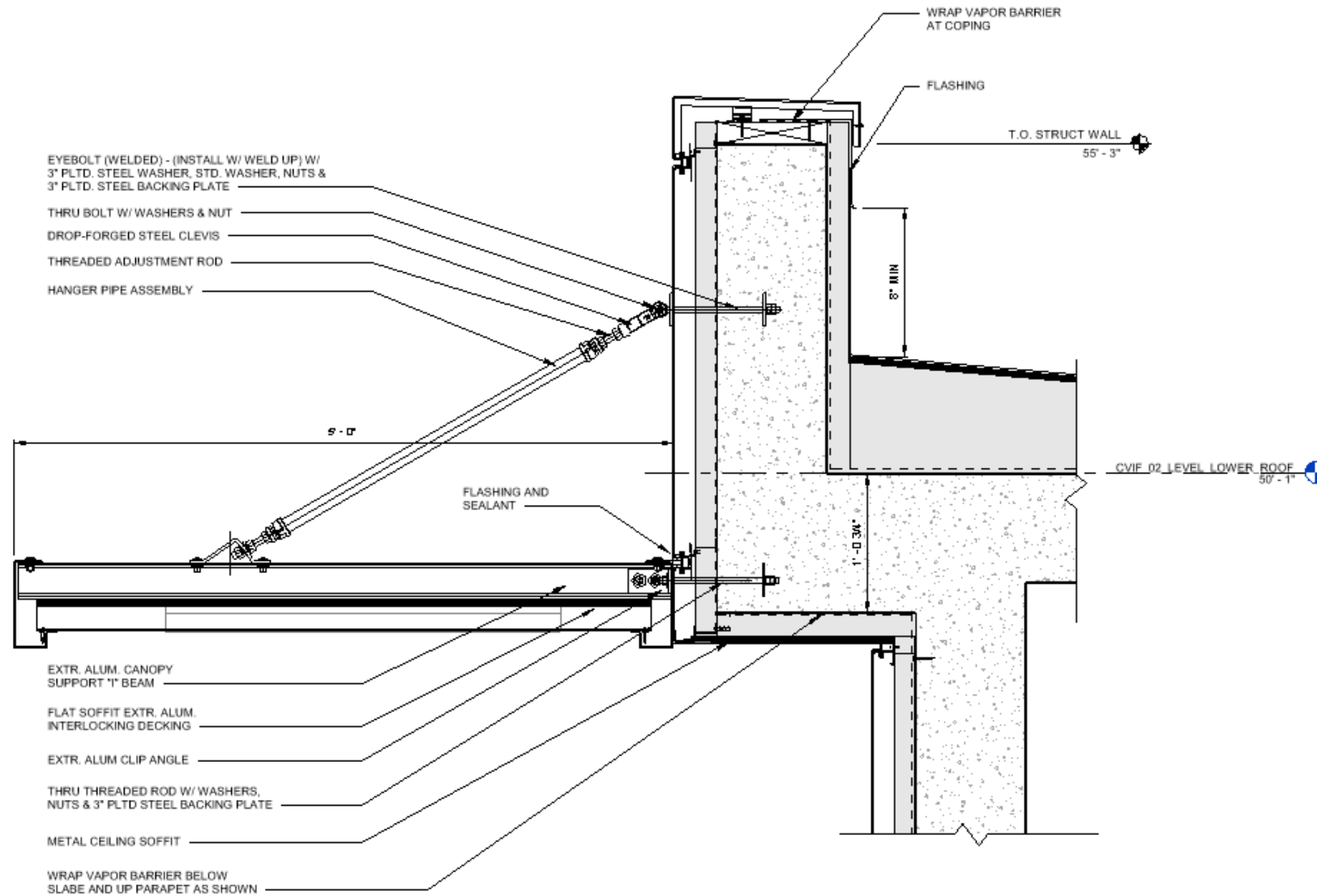


**9** WALL BASE DETAIL  
3" = 1'-0"



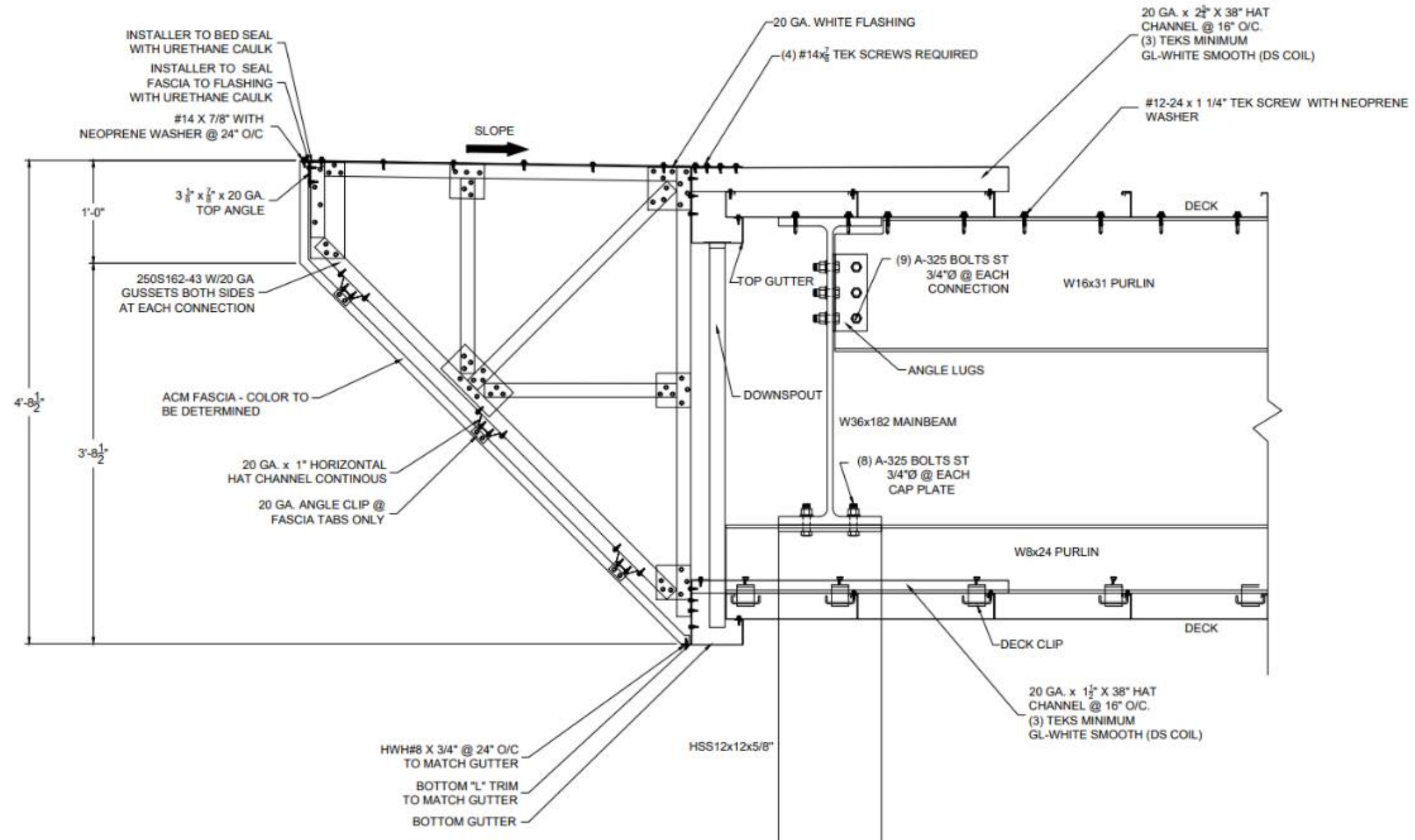
**8** TYP COPING DETAIL @ CONCR. WALL  
3" = 1'-0"

# PROPOSED CONDITIONS – CVIF EXTERIOR DETAILS



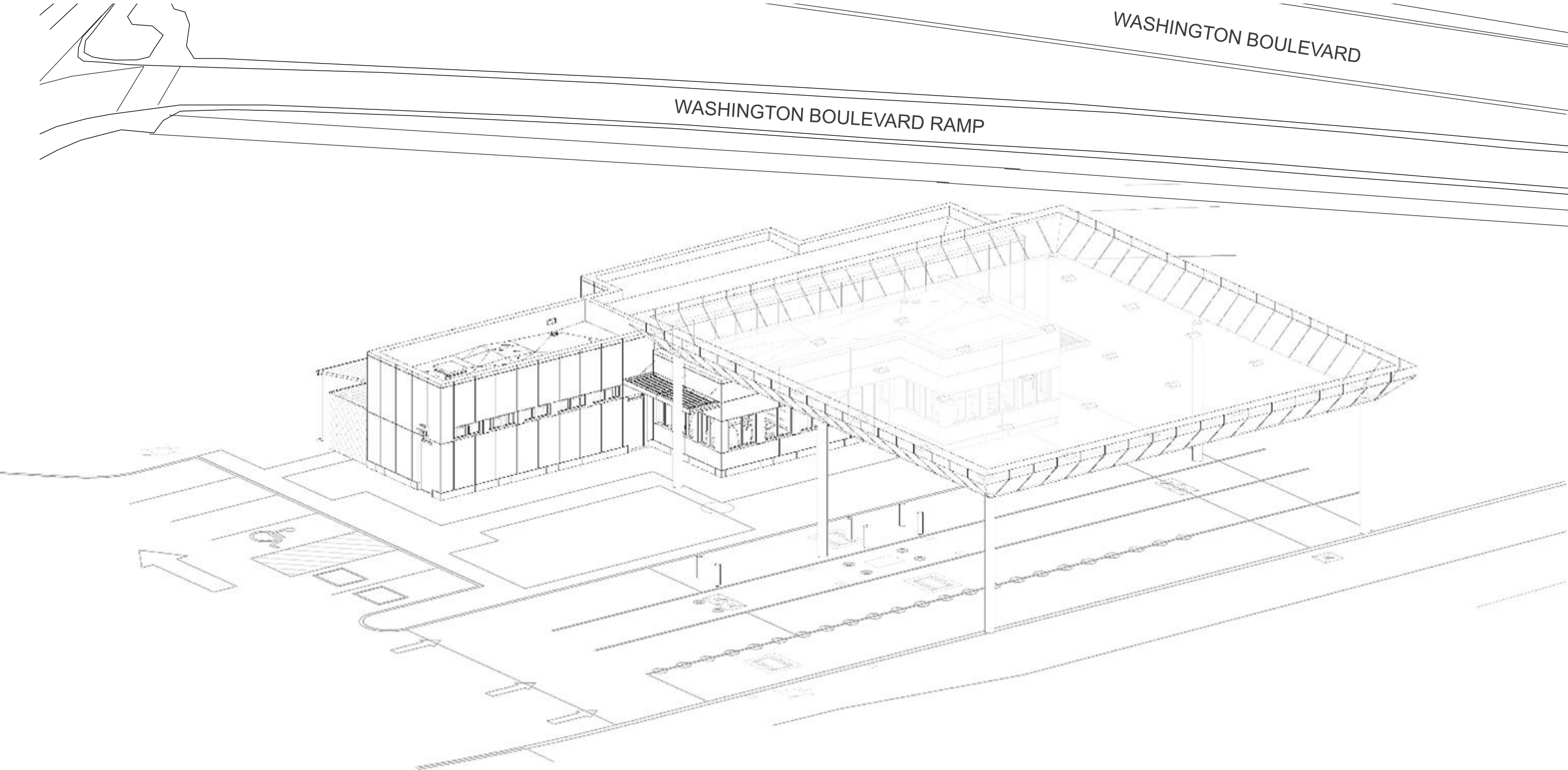
**2** ROOF DETAIL- CANOPY  
1 1/2" = 1'-0"

# PROPOSED CONDITIONS – CVIF EXTERIOR DETAILS



**5** PRE-FABRICATED CANOPY EDGE DETAIL  
 1 1/2" = 1'-0"




# PROPOSED CONDITIONS – CVIF 3D



# PROPOSED CONDITIONS – CVIF RENDERING



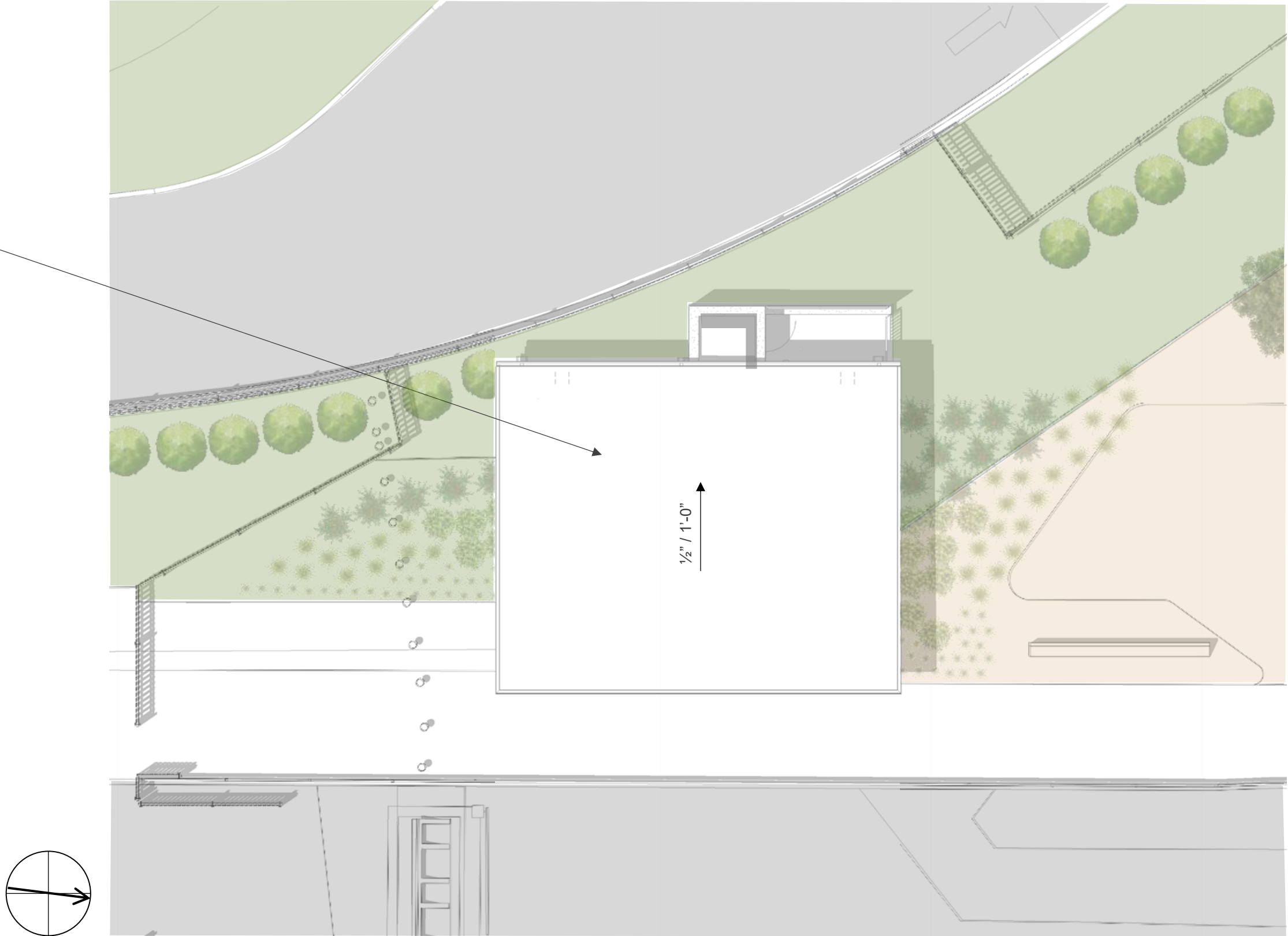
# PROPOSED CONDITIONS – FLOOR PLAN

-  SUPPORT SPACES
-  RESTROOMS
-  9/11 MEMORIAL



# PROPOSED CONDITIONS – ROOF PLAN

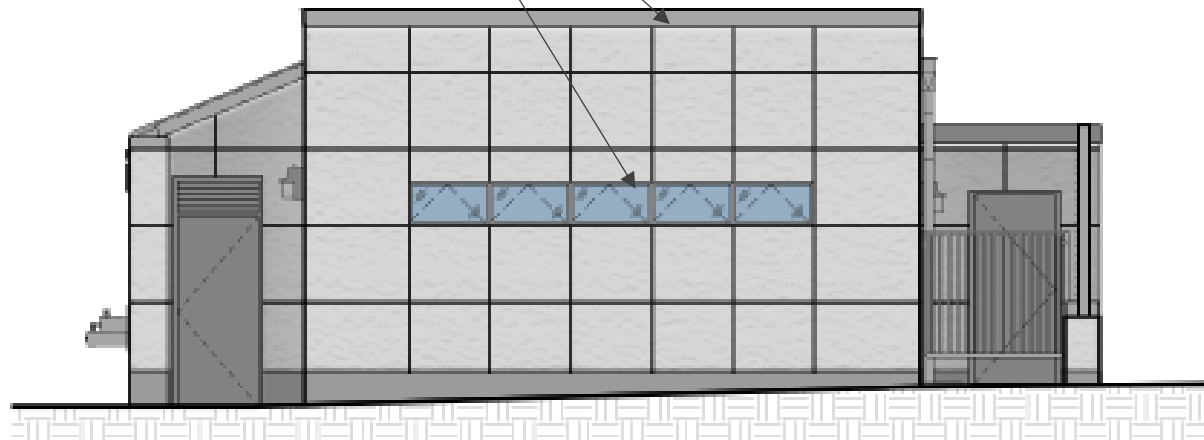
EPDM WHITE  
ROOF MEMBRANE



# PREVIOUS DESIGN - ELEVATIONS

METAL COPING

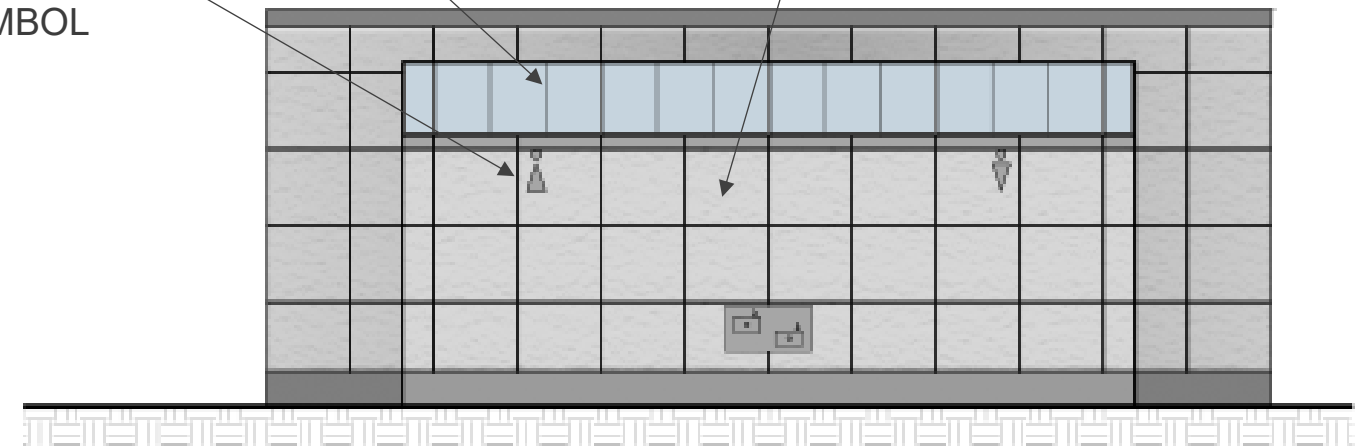
AWNING WINDOWS



POLYCARBONATE SLOPED SKYLIGHT PANELS

EXTRUDED ALUM RESTROOM SYMBOL

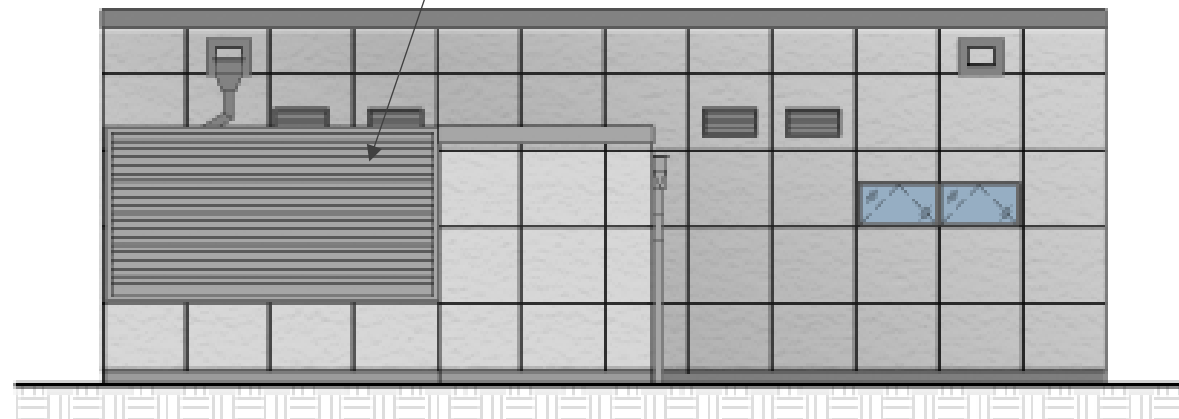
FIBER CEMENT SIDING W/  
1/2" ALUM REVEAL STRIPS



1 MR NORTH-EAST ELEVATION  
1/4" = 1'-0"

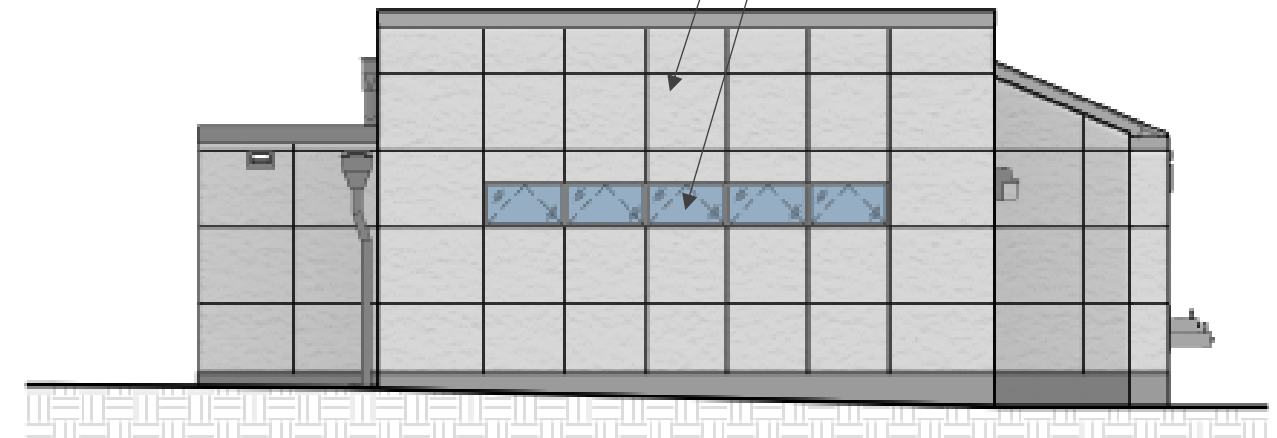
3 MR SOUTH-EAST ELEVATION  
1/4" = 1'-0"

EXTRUDED ALUM LOUVERED SYSTEM  
W/ END CAP AND INVISIBLE MULLION



FIBER CEMENT SIDING W/  
1/2" ALUM REVEAL STRIPS

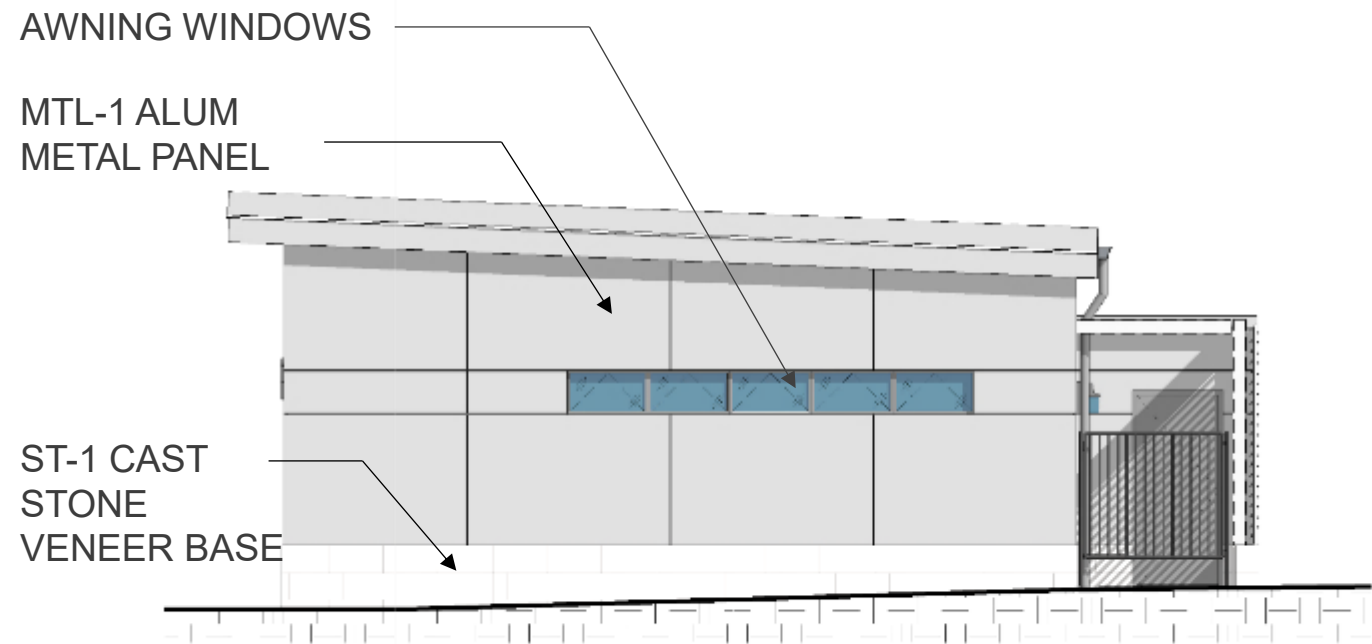
AWNING WINDOWS



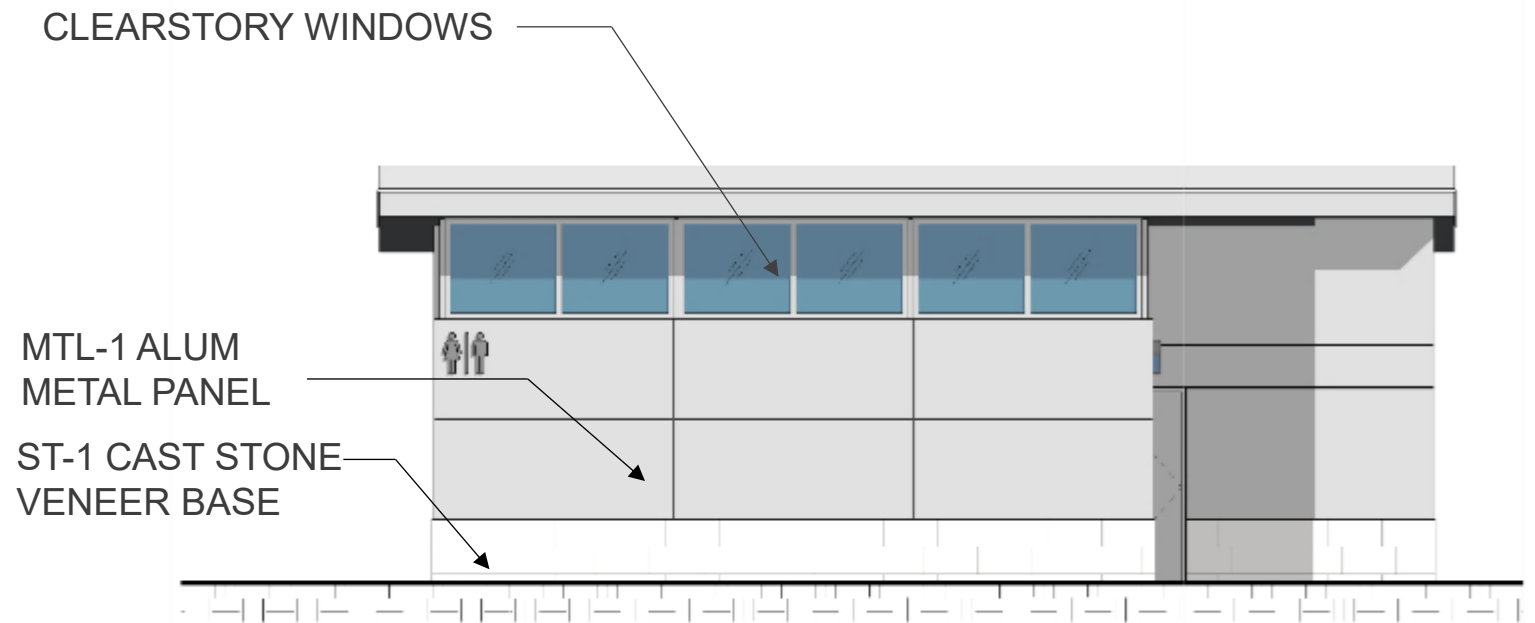
2 MR NORTH-WEST ELEVATION  
1/4" = 1'-0"

4 MR SOUTH-WEST ELEVATION  
1/4" = 1'-0"

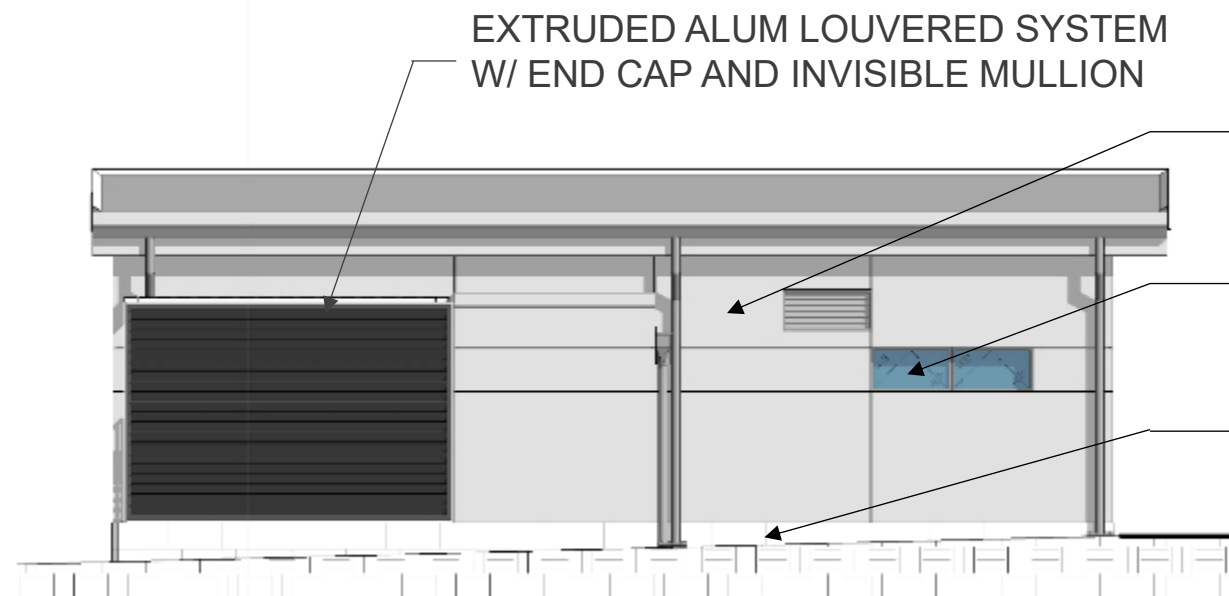
# PROPOSED CONDITIONS – MR ELEVATIONS



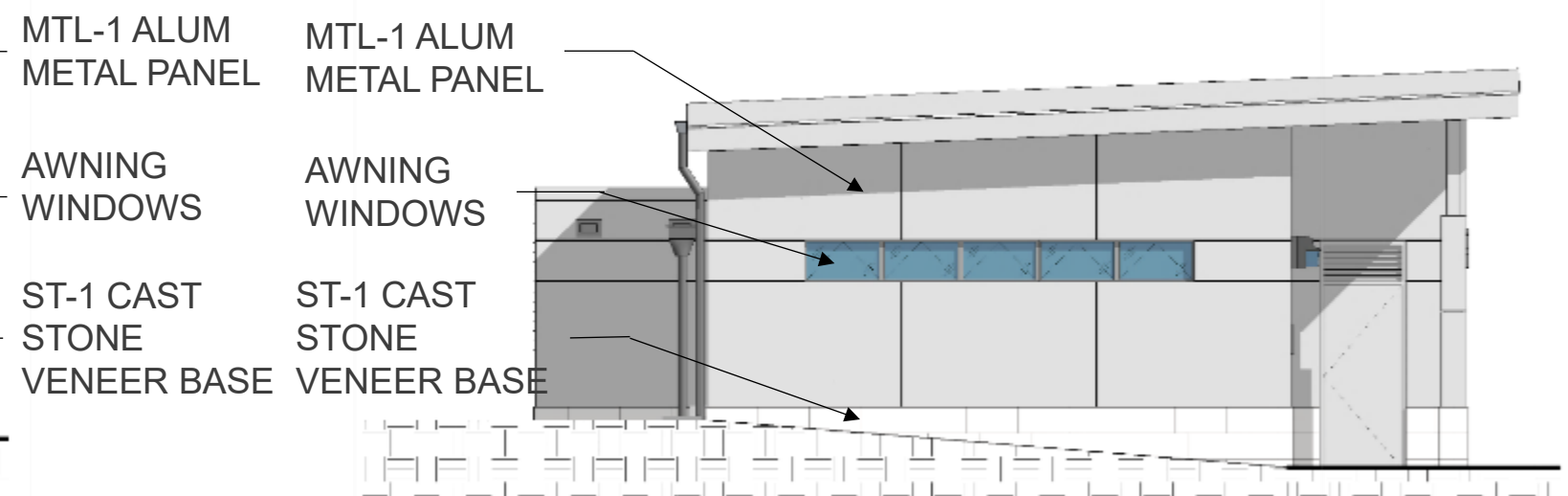
4 MR NORTH-EAST ELEVATION  
1/4" = 1'-0"



3 MR SOUTH-EAST ELEVATION  
1/4" = 1'-0"

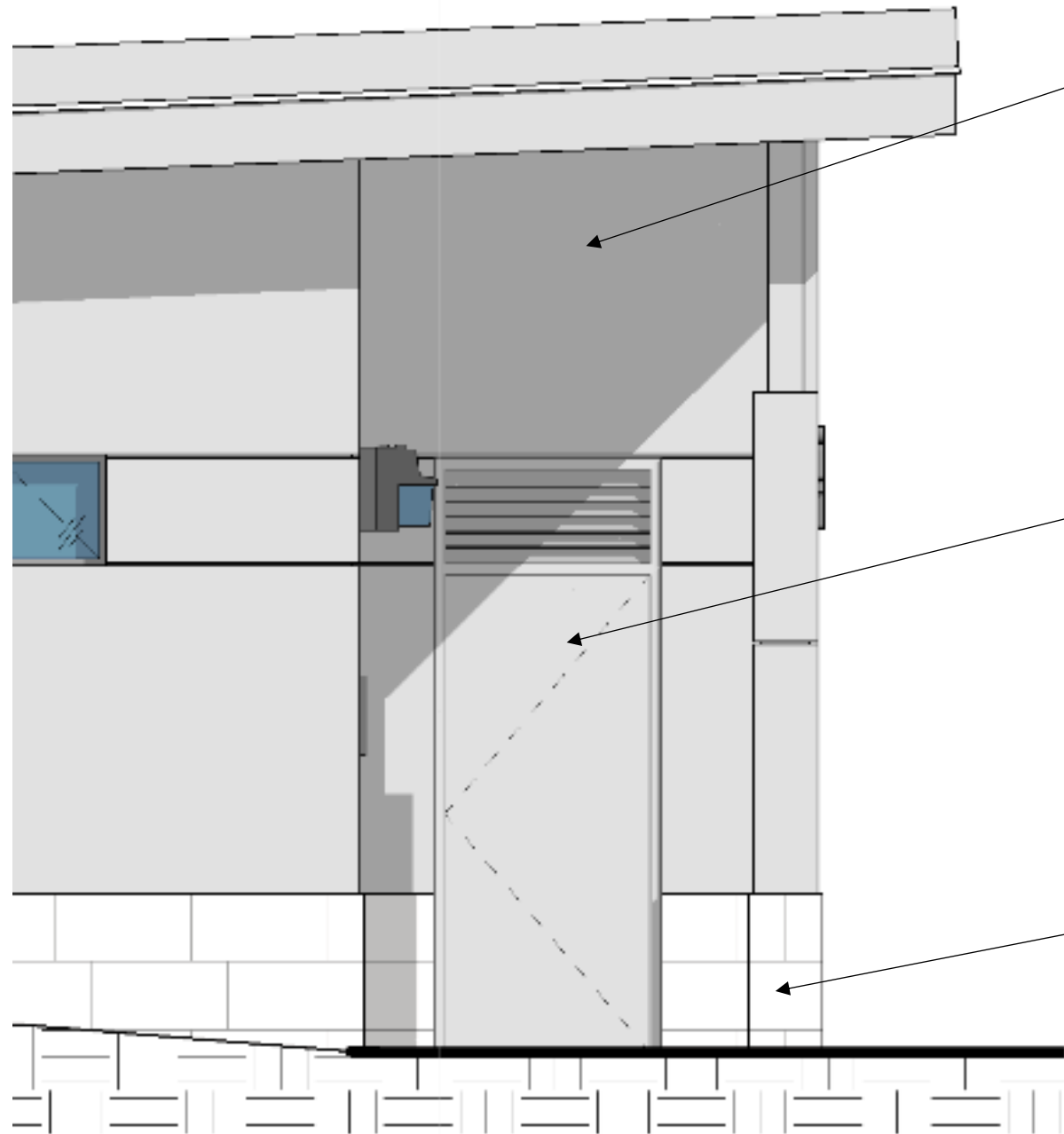


2 MR NORTH-WEST ELEVATION  
1/4" = 1'-0"



1 MR SOUTH-WEST ELEVATION  
1/4" = 1'-0"

# PROPOSED CONDITIONS – EXTERIOR FINISHES



MTL-1 ALUCOBOND  
ALUM. PANEL JLR  
CHAMPAGNE METALLIC

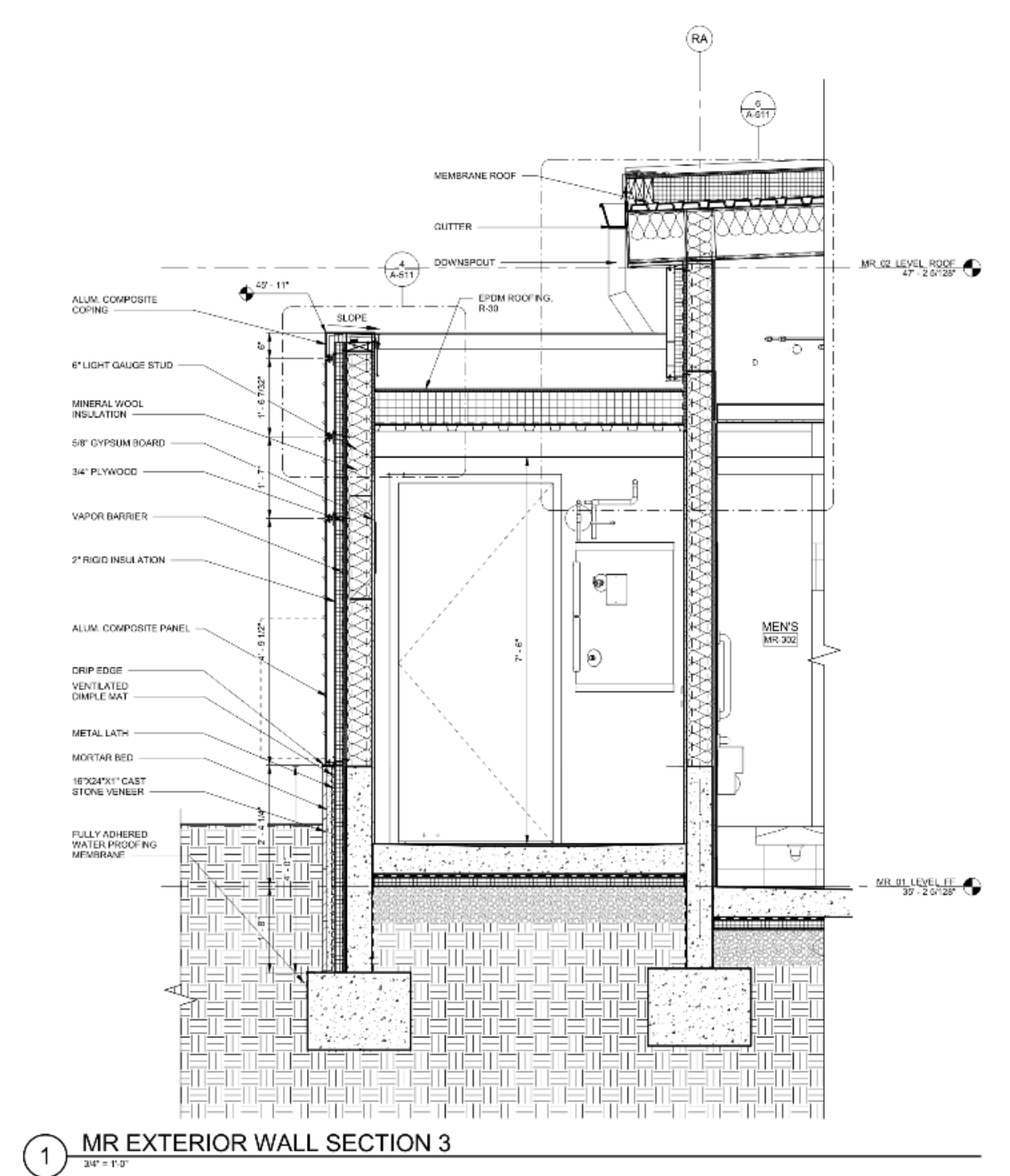
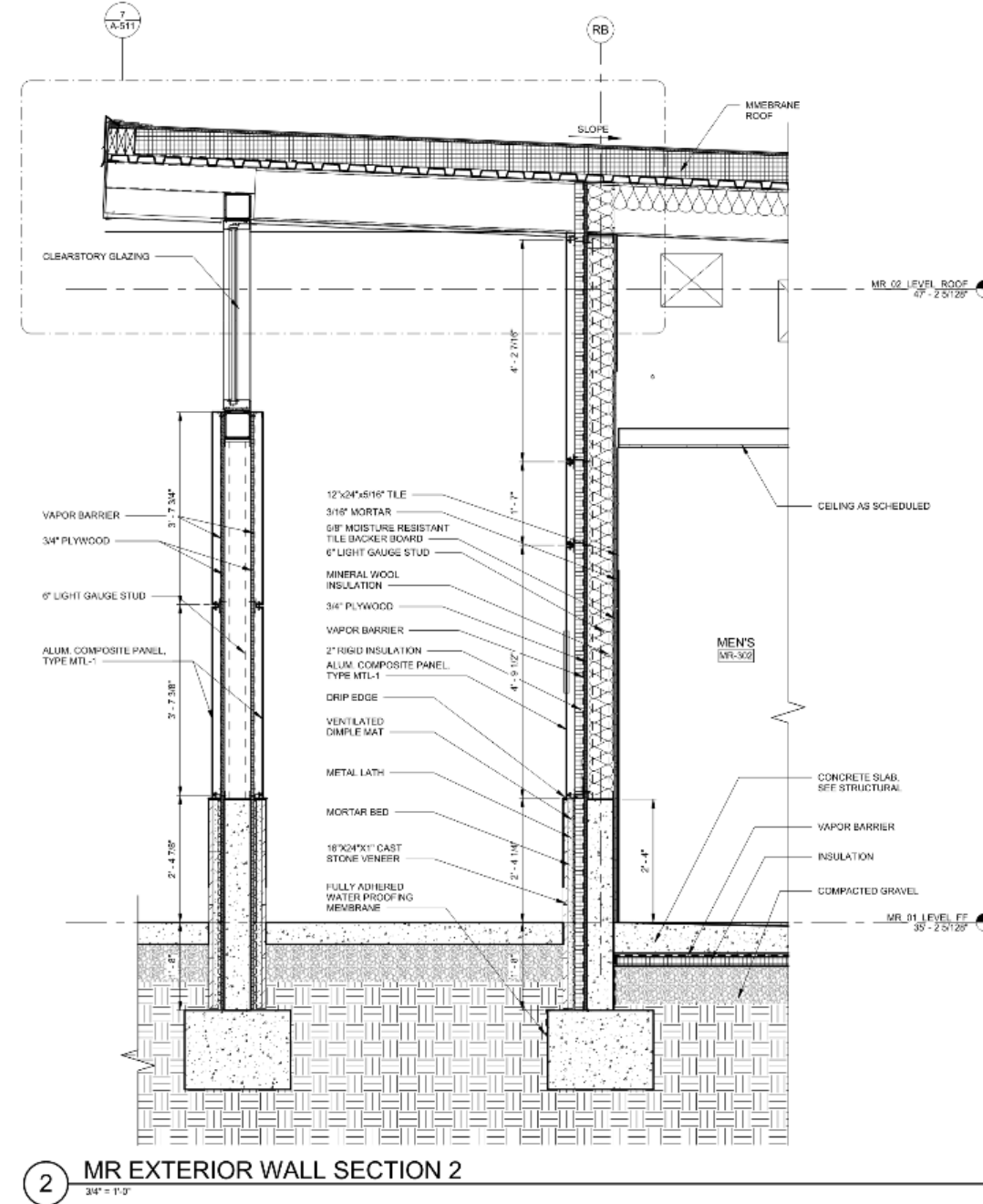
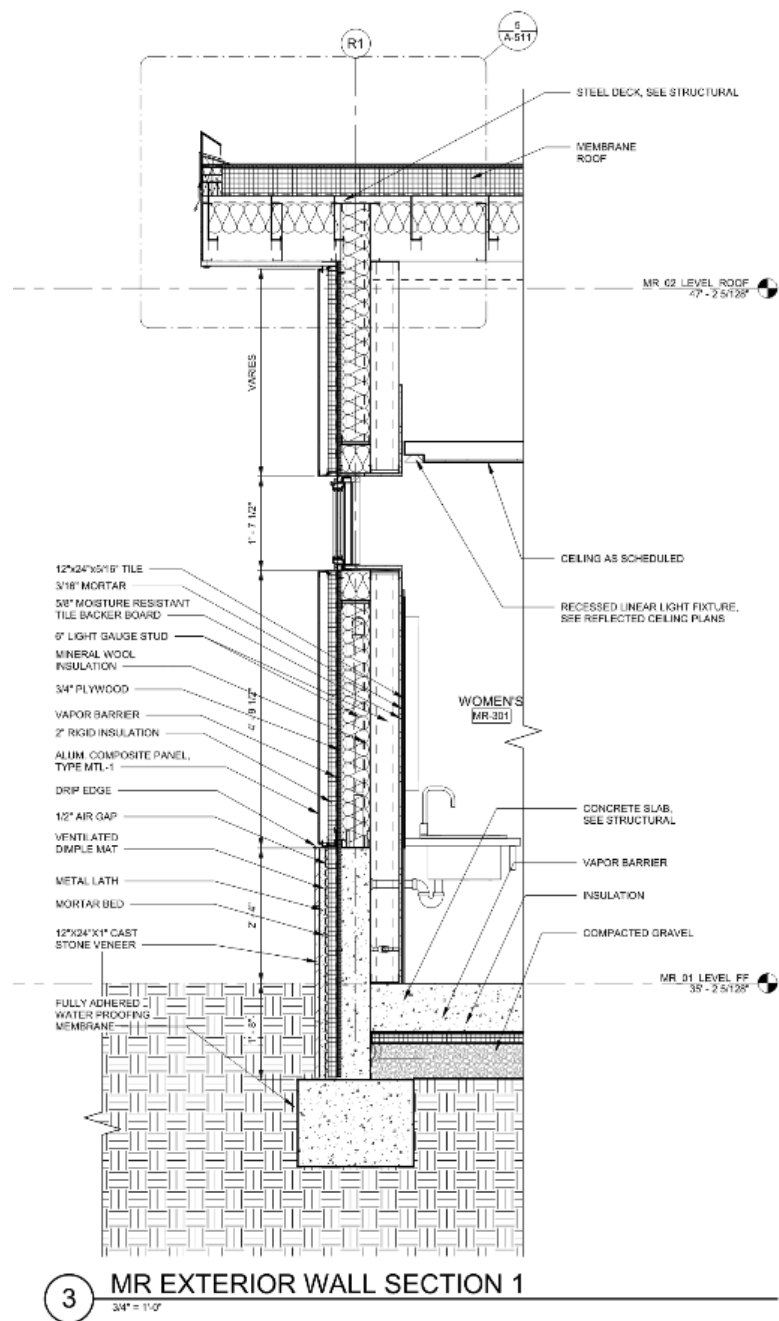


P-6 SHERWIN WILLIAMS  
PUSSYWILLOW SW 7643

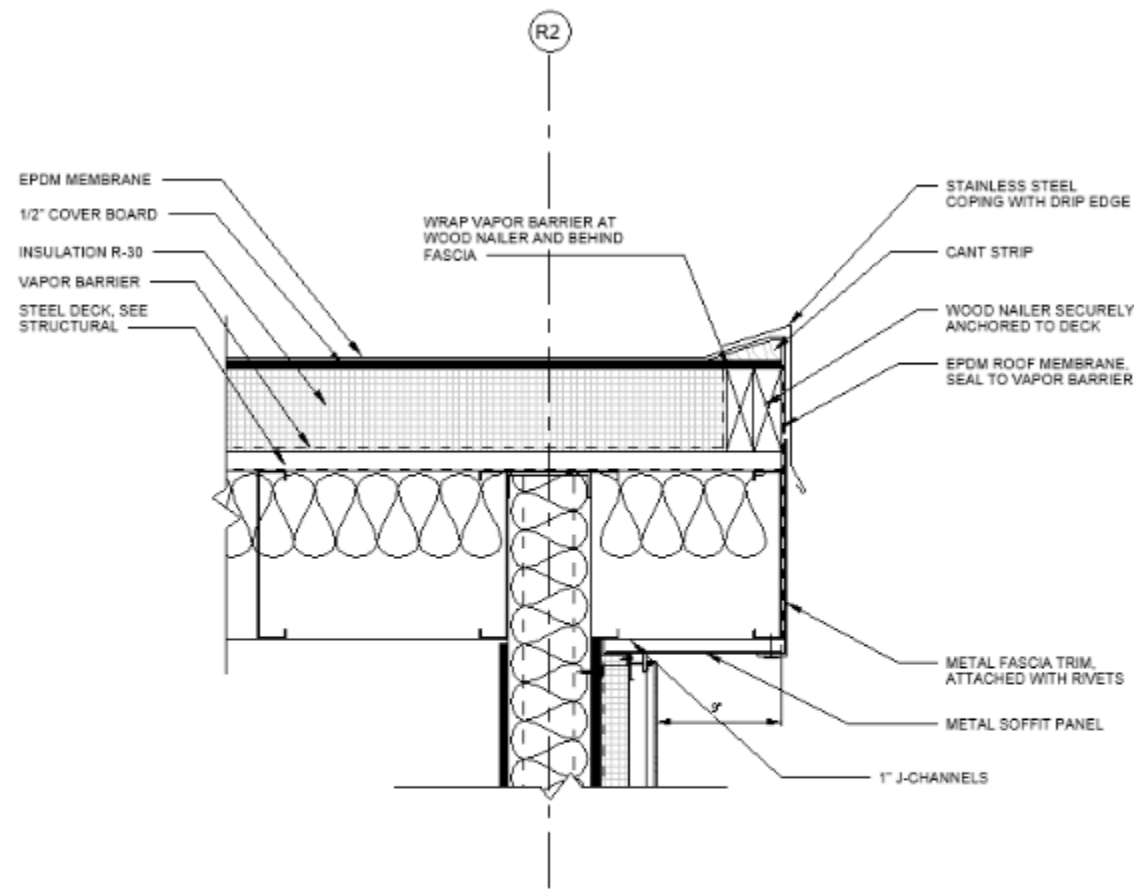


ST-1 FRANKLINE STONE  
LIBERTY GRAY SMOOTH

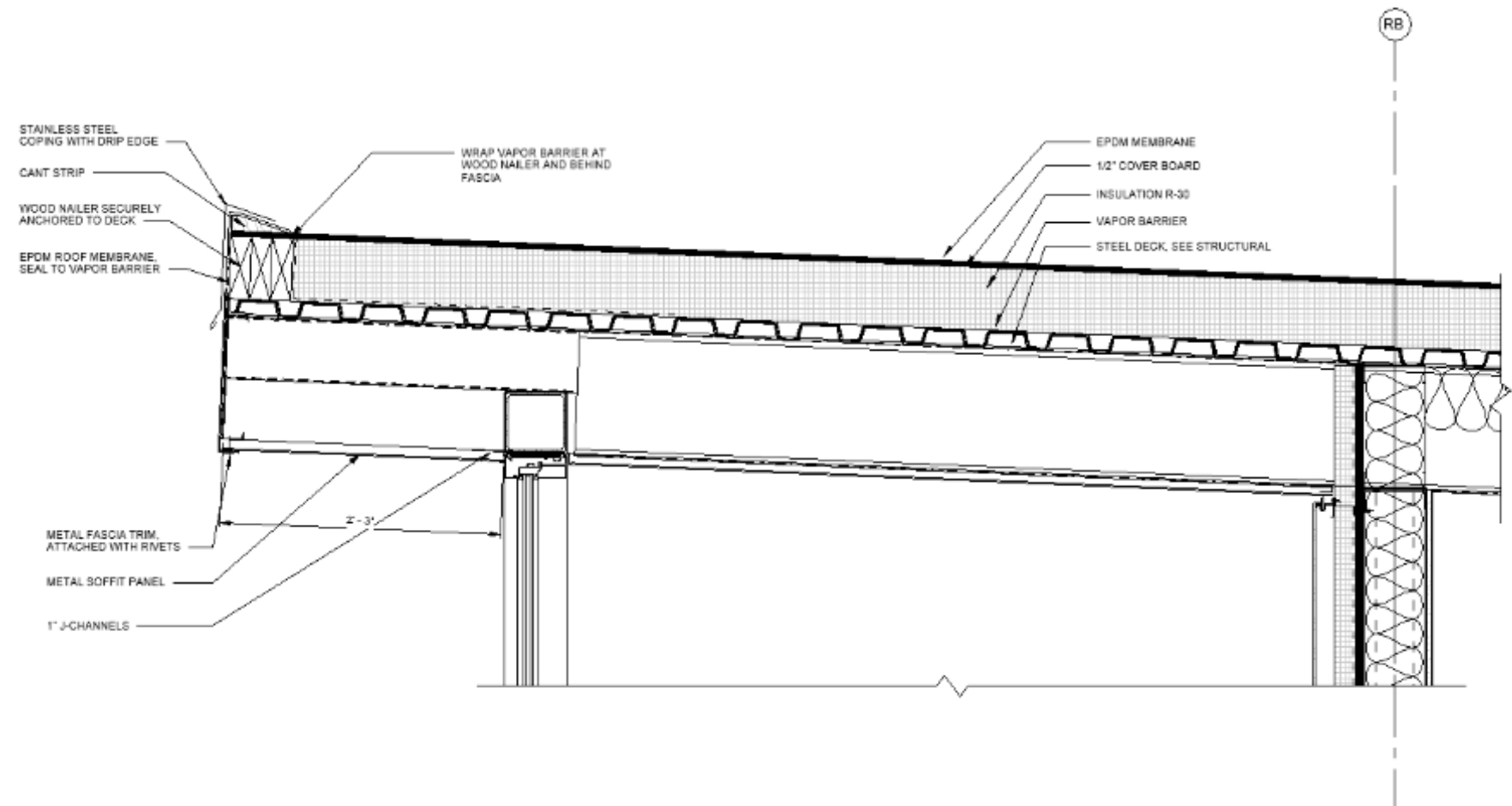
# PROPOSED CONDITIONS – MR WALL SECTIONS



# PROPOSED CONDITIONS – MR EXTERIOR DETAILS

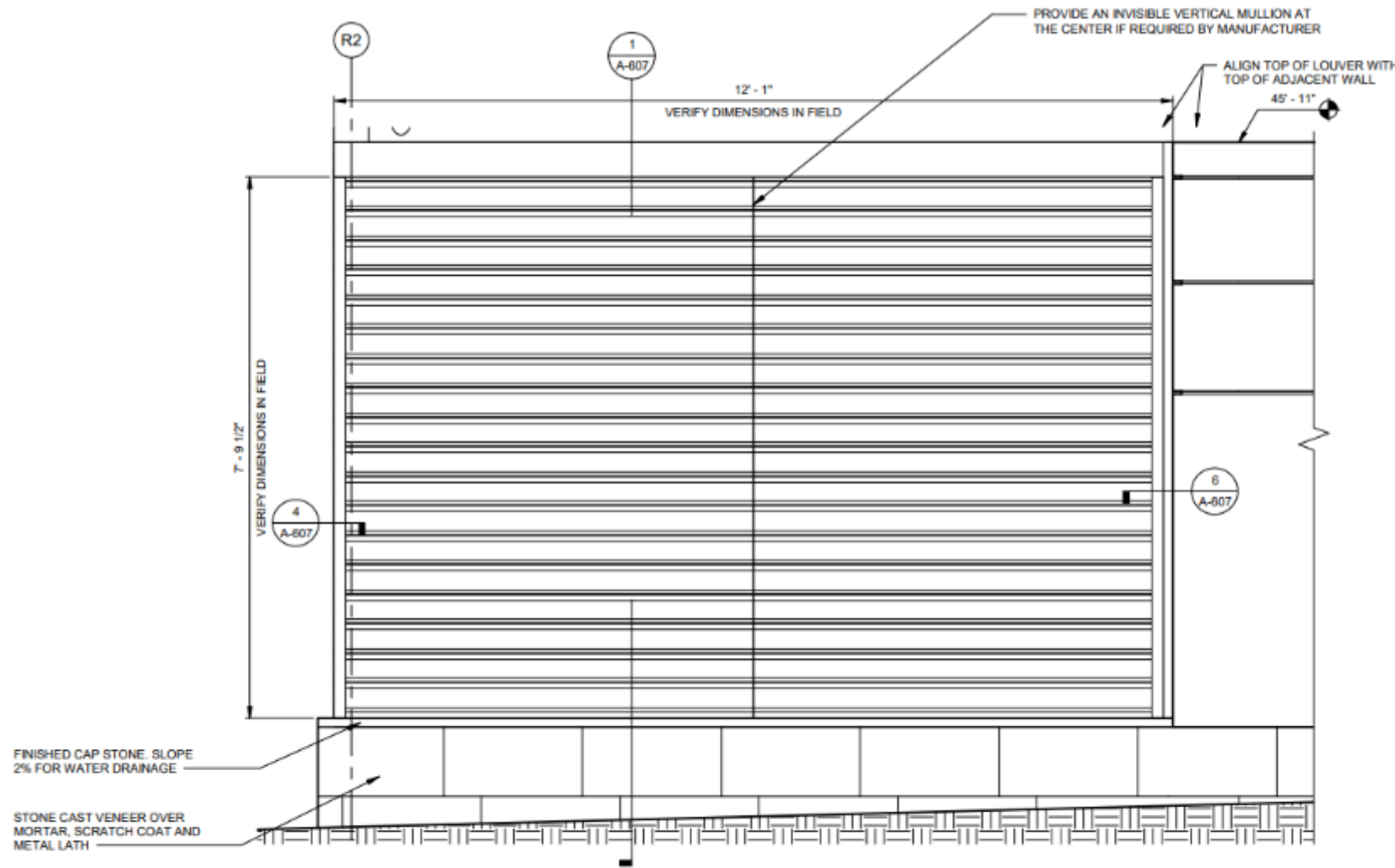


**3** RESTROOM ROOF EAVE DETAIL  
1 1/2" = 1'-0"

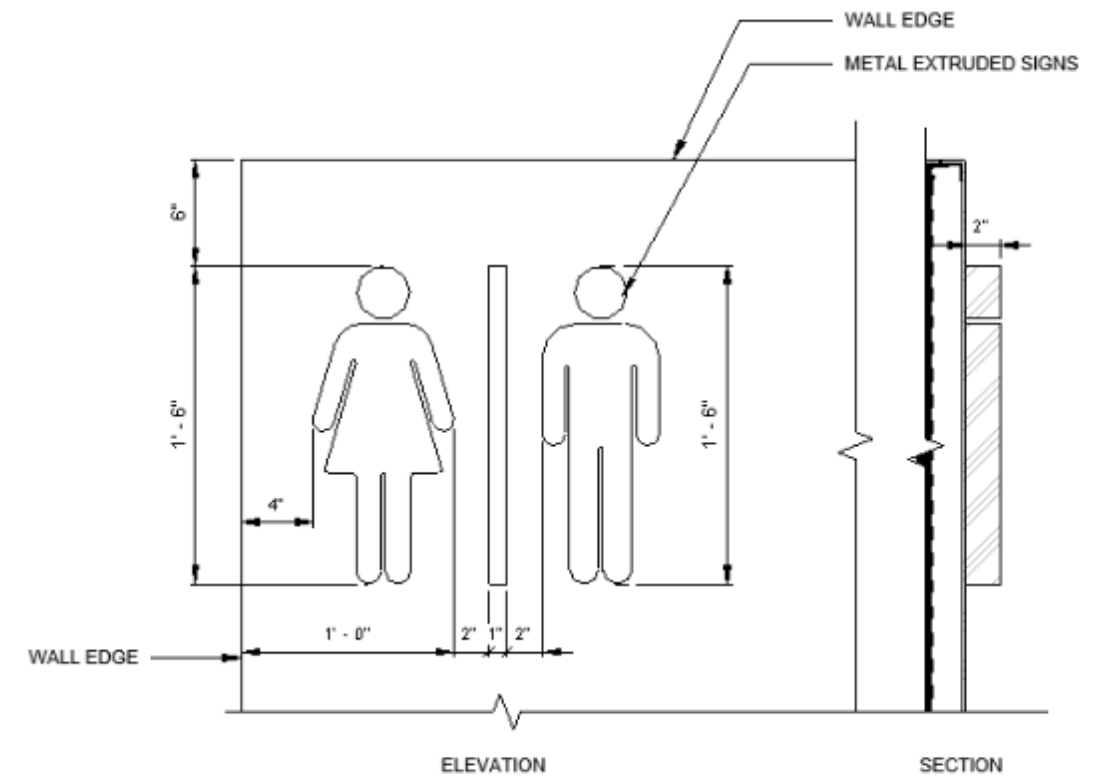


**7** RESTROOM ROOF DETAIL - EDGE  
1 1/2" = 1'-0"

# PROPOSED CONDITIONS – MR EXTERIOR DETAILS



**2** EXTRUDED ALUM. LOUVER ENLARGED ELEVATION  
3/4" = 1'-0"



**1** TYPE S2 - EXTRUDED MEN'S/WOMEN'S RESTROOM SYMBOLS  
1 1/2" = 1'-0"

# PROPOSED CONDITIONS – MR RENDERING



# PROPOSED CONDITIONS – RENDERINGS



# PROPOSED CONDITIONS – RENDERINGS



# PROPOSED CONDITIONS – RENDERINGS



# PROPOSED CONDITIONS – RENDERINGS



# PROPOSED CONDITIONS – RENDERINGS



# PROPOSED CONDITIONS – RENDERINGS

