



NEW CARWASH BUILDING FOR: TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

USE QR CODE FOR MOST
CURRENT PROJECT DRAWINGS.

MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104
OFFICE - 1.800.511.7208
MODEL:
AXIOM BETA RETAIL TOWER
2023
PLOT DATE: Friday, June 9, 2023



MODERNWASH DRAWING INDEX			Rev ID
GENERAL INFO			
MW-0.1	COVER SHEET		1
MW-0.2	NOTES & ABBREVIATIONS		0
MW-0.3	GENERAL INFORMATION		0
MW-0.4	GENERAL INFORMATION		0
MW-0.5	SITE PLAN		1
MW-0.6	LIFE SAFETY PLAN		0
FLOOR PLANS			
MW-1.1	1st FLOOR PLAN		1
MW-1.2	2nd FLOOR PLAN		0
MW-1.3	ROOF PLAN		1
MW-1.4	ROOF PANEL CUTSHEETS		0
MW-1.5	LGM WALL PLACEMENT		0
REFLECTED CEILING PLANS			
MW-2.1	REFLECTED CEILING PLANS		0
ENLARGED PLANS			
MW-3.1	ENLARGED PLANS		0
MW-3.2	ENLARGED PLANS		0
ELEVATIONS			
MW-4.1	ELEVATIONS		1
SECTIONS			
MW-5.1	SECTIONS		0
MW-5.2	SECTIONS		0
MW-5.3	SECTIONS		0
MW-5.4	SECTIONS		0
DETAILS			
MW-6.1	WALL TYPES		0
MW-6.2	WALL/SLAB TYPES		1
MW-6.3	2D/3D DETAILS		1
MW-6.4	2D/3D DETAILS		0
MW-6.5	2D/3D DETAILS		1
MW-6.6	2D/3D DETAILS		0
MW-6.7	EIFS DETAILS		0
MW-6.8	STAIR DETAILS		0
MW-6.9	PVC DETAILS		0
MW-6.10	3D PVC & LGM DETAILS		0
MW-6.11	CRICKET DETAILS		0
SCHEDULES			
MW-7.1	SCHEDULES		0
MW-7.2	MATERIAL SPECS		0
MW-7.3	MATERIAL SPECS		0
MW-7.4	MATERIAL SPECS		0
OTHER			
MW-9.1	FLASHING/TRIM		0
MW-9.2	EIFS GRID LAYOUT		0
MW-9.3	EIFS GRID LAYOUT		0
MW-9.4	EQUIP GRATING & TRASH ENCLOSURE		0
MW-9.5	SIGNAGE		1

CONTACT US

PLEASE CONTACT MODERNWASH WITH QUESTIONS ABOUT THESE DRAWINGS, MATERIAL DELIVERY, FRAME ERECTION, AND/OR MATERIAL INSTALLATION.

• BEN HOGUE
PROJECT MANAGER
BEN@MODERNWASH.NET
CELL: 1 (270) 792-7947
OFFICE: 1 (800) 511-7208

• TODD LEHMENKULER
PROJECT MANAGER
TODD@MODERNWASH.NET
OFFICE: 1 (800) 511-7208

• DAVID BRYANT
PROJECT MANAGER - ARCHITECT
DAVID@MODERNWASH.NET
OFFICE: 1 (800) 511-7208

• ERIC HATHAWAY
CHIEF OF DESIGN - ARCHITECT
ERIC@MODERNWASH.NET
OFFICE: 1 (800) 511-7208

THESE DRAWINGS HAVE BEEN REVIEWED AND APPROVED ON THIS DATE OF _____, I UNDERSTAND MATERIALS WILL BE ORDERED BASED ON THIS SET OF DRAWINGS AND THAT CHANGES OR MODIFICATIONS AFTER THIS DATE WILL CONSTITUTE ADDITIONAL FEES BASED ON SAID CHANGE.

INITIALS: _____
SIGNATURE: _____
DATE: _____

NOTE:
RENDERINGS ARE FOR REFERENCE ONLY. DESIGN MAY VARY. CONFIRM ALL DESIGN DETAILS WITH DRAWINGS.

STRUCTURAL SHEET INDEX			REV ID
STRUCTURAL NOTES			
S-0.1	STRUCTURAL NOTES		
PLANS & LGM FRAMING			
S-1.0	FOUNDATION PLAN		
S-1.1	SLAB & TRENCH PLAN		
S-1.2	LGM 2ND FLOOR FRAMING PLAN		
DETAILS			
S-2.0	STRUCTURAL DETAILS		
S-2.1	STRUCTURAL DETAILS		
S-2.2	STRUCTURAL DETAILS		
S-2.3	STRUCTURAL DETAILS		
STEEL FRAME			
S-3.0	COLUMN BASE PLATE & DETAILS		
S-3.1	COLUMN LAYOUT PLAN		
S-3.2	STEEL FRAMING PLAN		
S-3.3	STEEL FRAMING PLAN		
S-3.4	FRAMING SECTIONS		
S-3.5	FRAMING SECTIONS		
S-3.6	FRAMING SECTIONS		
S-3.7	FRAMING DETAILS		
MEP SHEET INDEX			REV ID
MECHANICAL GENERAL			
M-0.1	MECHANICAL NOTES & DETAILS		
M-0.2	MECHANICAL SCHEDULES		
MECHANICAL PLANS			
M-1.0	MECHANICAL PLAN		
ELECTRICAL GENERAL			
E-0.1	ELECTRICAL NOTES & DETAILS		
E-0.2	EQUIPMENT SCHEDULES		
E-0.3	ELECTRICAL EQUIP. SCHEDULE		
E-0.4	ELECTRICAL EQUIP. SCHEDULE		
E-0.5	ELECTRICAL EQUIP. SCHEDULE		
E-0.6	ELECTRICAL SCHEDULES		
ELECTRICAL PLANS			
E-1.0	LIGHTING PLAN		
E-1.1	POWER PLAN - BUILDING		
E-1.2	EQUIPMENT LAYOUT		
E-1.3	POWER PLAN - EQUIPMENT (24V-208V)		
E-1.4	POWER PLAN - EQUIPMENT (480V)		
E-1.5	POWER PLAN - EQUIPMENT O.H. & U.G.		
PLUMBING GENERAL			
P-0.1	PLUMBING NOTES, DETAILS, & SCHEDULES		
P-0.2	WATER EQUIPMENT SCHEDULE		
P-0.3	WATER EQUIPMENT SCHEDULE		
P-0.4	AIR EQUIPMENT SCHEDULE		
P-0.5	AIR EQUIPMENT SCHEDULE		
PLUMBING PLANS			
P-1.0	WATER PLAN		
P-1.1	DWV & CHASE PLAN		
P-1.2	COMPRESSED AIR & GAS PLAN		
P-1.3	DWV RISER DIAGRAM		

05/03/2023	MW2022-21 Midwest Car Wash	05/03/2023	MW2022-21 Midwest Car Wash	05/03/2023	MW2022-21 Midwest Car Wash	05/03/2023	MW2022-21 Midwest Car Wash
BUILDING CODE SUMMARY - Missouri City of Lee's Summit, Jackson Co., Missouri 2018 International Building Code							
NOTES 1. This project shall conform to the latest edition of the 2018 Missouri Building Code, including any local ordinances or other requirements imposed by the Fire Marshall having jurisdiction. 2. The listing below of pertinent Code Sections is not all inclusive, and therefore incumbent upon the General Contractor to assure the project is constructed in full compliance with all applicable codes and ordinances. Further, it is the GC's obligation to notify the architect/owner immediately if any part of the design/material selection/construction documents appear to be inconsistent or non-compliant with the Codes. Failure to do so may incur unforeseen costs of removal and replacement of items at the GC's expense.							
PROJECT DATA: Project Name: Midwest Car Wash Location: 20 SE Thompson Dr., Lee's Summit, Jackson Co., MO 64081 Owner: Jason Bohmert (Owner's Rep) Midwest Car Wash Group 1st Floor Gross Area: 5,213 SF 1st Floor Occupied Area: 710 SF 2nd Floor Occupied Area: 518 SF Total Occupied Area: 1,228 SF / 150 = 8 persons Non-Occupied (Mechanical) Area: 4,494 SF / 300 = 14 persons Total Gross Area: 5,731 SF (5,213 + 518) Height: 27' - 0" Tunnel Length: 120' Climate Zone: 6A							
304.1	B Business Use Group Car Wash						
502.1	Address Identification New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 1/16 inch. Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other approved sign or means shall be used to identify the structure. Address identification shall be maintained.						
Table 504.3	Allowable Height = 40' - 0" Use Group B, Construction Type - 5B, Unprotected, Unsprinkled						
Table 504.4	Allowable Number of Stories = 2 Stories						
505.3	Equipment Platforms Equipment platforms in buildings shall not be considered as a portion of the floor below. Such equipment platforms shall not contribute to either the building area or the number of stories as regulated by Section 503.1. The area of the equipment platform shall not be included in determining the fire area in accordance with Section 903. Equipment platforms shall not be a part of any mezzanine and such platforms and the walkways, stairways, alternating tread devices and ladders providing access to an equipment platform shall not serve as a part of the means of egress from the building.						
505.3.3	Guards Equipment platforms shall have guards where required by Section 1015.2						
Table 506.2	Allowable Area = 9,000 SF Occupancy B, Construction Type - 5B, UnProtected / Not Sprinklered						
Table 601	Fire Resistance Rating for Building Elements = 0 hours Type 5B - Structural Frame,Walls,Partitions, Floors, Roof						
Page 1 of 5		Page 2 of 5		Page 3 of 5		Page 4 of 5	

05/03/2023

MW2022-21 Midwest Car Wash

Table 1505.1

Minimum Roof covering Classification for Types of Construction

Construction Type – 5: Roof Class C

See Section 1507 for roof requirements including but not limited to slope, support, etc.

1508.1

Roof Insulation - General

The use of above-deck thermal insulation shall be permitted provided such insulation is covered with an approved roof covering and passes the tests of NFPA 276 or UL 1256 when tested as an assembly.

1512.1

Photovoltaic Panels and Modules

Photovoltaic panels and modules installed upon a roof or as an integral part of a roof assembly shall comply with the requirements of this code and the International Fire Code.

1704.2

Special Inspections and Tests

Where application is made to the *building official* for construction as specified in Section 105, the owner or the owner's authorized agent, other than the contractor, shall employ one or more *approved agencies* to provide *special inspections* and tests during construction on the types of work specified in Section 1705 and identify the *approved agencies* to the *building official*.

These *special inspections* and tests are in addition to the inspections by the *building official* that are identified in Section 110.

Exceptions:

1. Special inspections and tests are not required for construction of a minor nature or as warranted by conditions in the jurisdiction as approved by the building official.

2. Unless otherwise required by the building official, special inspections and tests are not required for Group U occupancies that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1.

3. Special inspections and tests are not required for portions of structures designed and constructed in accordance with the cold-formed steel light-frame construction provisions of Section 2211.7 or the conventional light-frame construction provisions of Section 2308.

4. The contractor is permitted to employ the approved agencies where the contractor is also the owner.

2406.4.3

Glazing in Windows

Glazing in an individual fixed or operable panel that meets all of the following conditions shall be considered a hazardous location:

1. The exposed area of an individual panel is greater than 9 square feet (0.84 m²).

2. The bottom edge of the glazing is less than 18 inches (457 mm) above the floor.

3. The top edge of the glazing is greater than 36 inches (914 mm) above the floor.

4. One or more walking surface(s) are within 36 inches (914 mm), measured horizontally and in a straight line, of the plane of the glazing.

2608

Light-Transmitting Plastic Glazing

2608.1 Buildings of Type VB Construction

Openings in the exterior walls of buildings of Type VB construction, where not required to be protected by Section 705, shall be permitted to be glazed or equipped with light-transmitting plastic. Light-transmitting plastic glazing shall comply with Section 2606.

2609

Light-Transmitting Plastic Roof Panels

Light-transmitting plastic roof panels shall comply with this section and Section 2606. Light-transmitting plastic roof panels shall not be installed in Groups H-1, 2 and I-3. In all other groups, light-transmitting plastic roof panels shall comply with any one of the following conditions:

1. The building is equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.

2. The roof construction is not required to have a fire-resistance rating by Table 601.

3. The roof panels meet the requirements for roof coverings in accordance with Chapter 15.

END

COMcheck Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: 2022-21_Midwest - Lee's Summit

Location: Lees Summit, Missouri

Climate Zone: 4a

Project Type: New Construction

Vertical Glazing / Wall Area: 17%

Construction Site: 20 SE Thompson Dr
Lee's Summit, Missouri 64081

Owner/Agent: Jason Bohmert
Midwest Car Wash Group

Designer/Contractor: David Bryant
Modernwash
5220 Scottsville Road
Bowling Green, Kentucky 42101
800-511-7208
david@modernwash.net

Credits: 1.0 Required 1.0 Proposed

On-site Renewable Energy: 1.0 credit

Building Area

Floor Area

1-Control Tower (Automotive Facility) : Nonresidential 558

2-Dog Wash (Automotive Facility) : Nonresidential 281

Envelope Assemblies

Assembly

Gross Area or Perimeter

Cavity R-Value

Cont. R-Value

Proposed U-Factor

Budget U-Factor_{req}

Roof: Attic Roof, Steel joists, [Bldg. Use 1 - Control Tower]

558

30.0

0.0

0.041

0.027

Roof: Attic Roof, Steel joists, [Bldg. Use 1 - Control Tower]

558

30.0

0.0

0.041

0.027

Floor: Unheated Slab-On-Grade, [Bldg. Use 1 - Control Tower] (d)

101

0.730

0.540

Roof: Attic Roof, Steel joists, [Bldg. Use 2 - Dog Wash]

281

30.0

0.0

0.041

0.027

Floor: Unheated Slab-On-Grade, [Bldg. Use 2 - Dog Wash] (d)

79

0.730

0.540

NORTH

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

179

21.0

7.5

0.059

0.064

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

179

21.0

7.5

0.059

0.064

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 2 - Dog Wash]

95

21.0

7.5

0.059

0.064

EAST

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

292

21.0

7.5

0.059

0.064

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 0.20, VT 0.70, [Bldg. Use 1 - Control Tower] (c)

42

0.248

0.380

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

292

21.0

7.5

0.059

0.064

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 3.00, VT 0.70, [Bldg. Use 1 - Control Tower] (c)

16

0.248

0.380

Project Title: 2022-21_Midwest - Lee's Summit

Data filename:

Report date: 03/13/23

Page 1 of 12

Assembly

Gross Area or Perimeter

Cavity R-Value

Cont. R-Value

Proposed U-Factor

Budget U-Factor_{req}

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 0.20, VT 0.70, [Bldg. Use 1 - Control Tower] (c)

42

0.248

0.380

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 2 - Dog Wash]

285

21.0

7.5

0.059

0.064

Door: Insulated Metal, Swinging, [Bldg. Use 2 - Dog Wash]

24

0.360

0.610

SOUTH

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

132

21.0

7.5

0.059

0.064

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

132

21.0

7.5

0.059

0.064

Door: , Perf. Specs.: Product ID Non-NFRC-P-TUB-49712, SHGC 0.25, PF 3.00, VT 0.90, [Bldg. Use 1 - Control Tower] (c)

24

0.365

0.770

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 2 - Dog Wash]

95

21.0

7.5

0.059

0.064

WEST

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

287

21.0

7.5

0.059

0.064

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 0.20, VT 0.70, [Bldg. Use 1 - Control Tower] (c)

139

0.248

0.380

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Control Tower]

287

21.0

7.5

0.059

0.064

Door: , Perf. Specs.: Product ID Non-NFRC-P-TUB-49712, SHGC 0.25, PF 3.00, VT 0.90, [Bldg. Use 1 - Control Tower] (c)

24

0.365

0.770

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 3.00, VT 0.70, [Bldg. Use 1 - Control Tower] (c)

66

0.248

0.380

Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 2 - Dog Wash]

285

21.0

7.5

0.059

0.064

Door: , Perf. Specs.: Product ID Non-NFRC-P-TUB-49712, SHGC 0.25, PF 3.00, VT 0.90, [Bldg. Use 2 - Dog Wash] (c)

24

0.365

0.770

Door: , Perf. Specs.: Product ID Non-NFRC-P-TUB-49712, SHGC 0.25, PF 3.00, VT 0.90, [Bldg. Use 2 - Dog Wash] (c)

24

0.365

0.770

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 0.63, VT 0.70, [Bldg. Use 2 - Dog Wash] (c)

16

0.248

0.380

Window: Other Window: Fixed, Perf. Specs.: Product ID HS1-C180, SHGC 0.37, PF 0.63, VT 0.70, [Bldg. Use 2 - Dog Wash] (c)

16

0.248

0.380

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) 'Other' components require supporting documentation for proposed U-factors.

(c) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

(d) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 8% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Eric Hathaway - Chief of Design

ERIC W HATHAWAY

03/14/2023

Name - Title

Signature

Date

Project Title: 2022-21_Midwest - Lee's Summit

Data filename:

Report date: 03/13/23

Page 2 of 12

Page 5 of 5



ModernWash Project Color Selection Check List
Project Name: Tunnel Vision Car Wash (Midwest) - Lee's Summit
20 SE Thompson Dr, Lee's Summit, 64081

Main Frame RAL: Jet Black (RAL 9005)

Wash Bay Roof: Blue Polycarbonate

Tower Roof: Regal White (Mega-Rib - McElroy)

Pay Canopy Roof: Matte Black (Mega-Rib - McElroy)

Gutter and Downspouts at all locations: Matte Black (McElroy)

Wash Bay + Tower Accent EIFS : Blue (PANTONE 2144C)

Knee Wall & above Wash Bay Glass EIFS: Grey (PANTONE 2331C)

Office + Equipment Tower EIFS: Light Grey (PANTONE 2330C)

Office + Equipment Tower Accent Bands EIFS: Black

Pay Canopy Column-Wrap EIFS: Blue (PANTONE 2144C)

Break Metal Trims Trims: Matte Black (McElroy)

Storefront Polycarbonate: Clear

PVC: White

Equipment Room R-panel Ceiling: White

Liner Panel: White

Wash Bay Louver Color: Grey (PANTONE 2331C)

Equipment Room Louver Color: Blue (PANTONE 2144C)

Stair System: Grey

Ships Ladder: Galvanized

Handrail: Stainless Steel

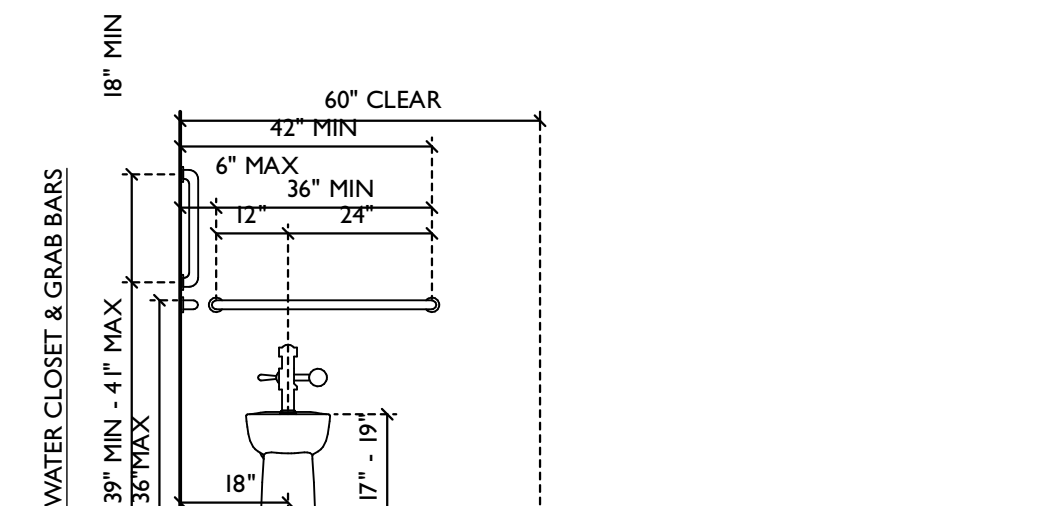
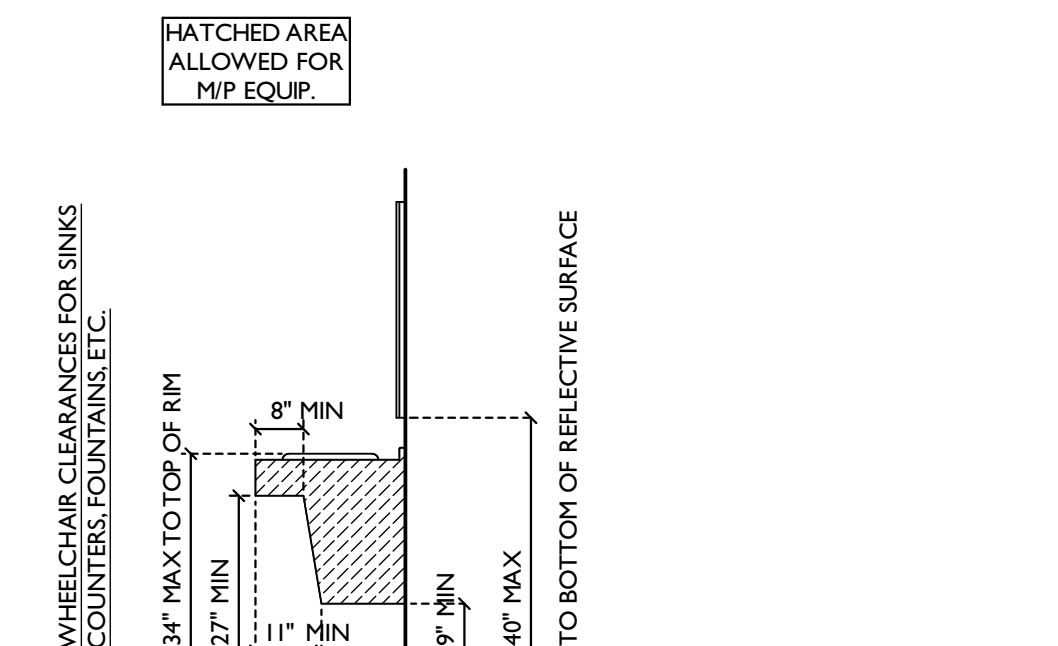
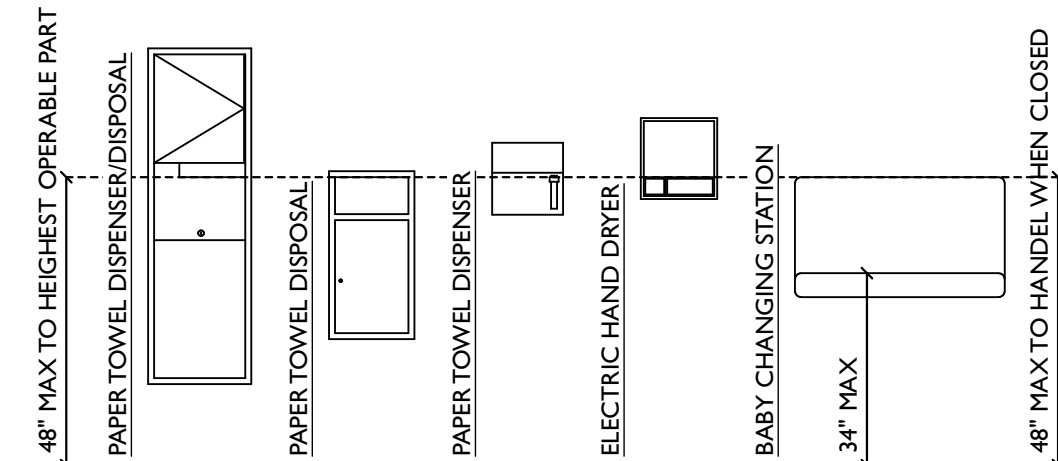
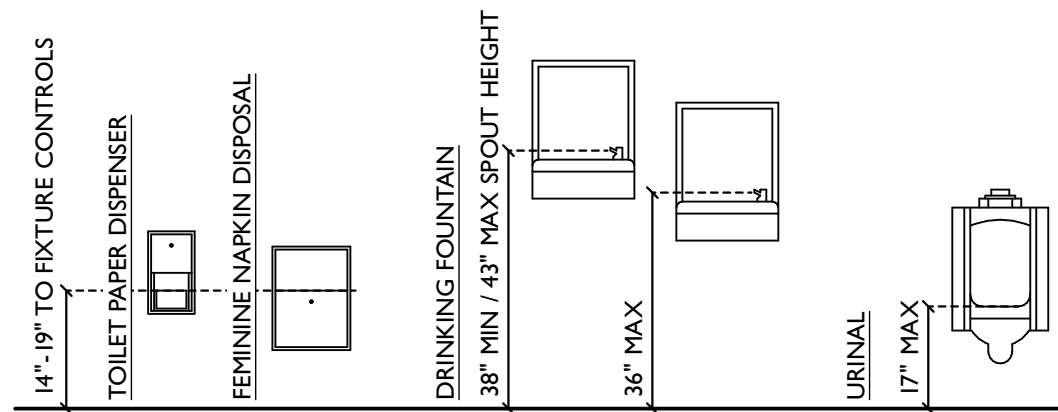
Listed material colors below denote colors represented in the Modernwash renders. Please note colors shown in render may vary depending on monitor or device as well as shadow and light settings. Not all items listed below necessitate the material is included in Modernwash's scope therefore some items may be supplied by others. Confirm materials supplied by modernwash with quote. By signing you give approval to supply the Modernwash materials in the color listed below. Changing color after signing may add additional cost and/or delay.

Color samples provided upon request.

Approved by: Jason Bohnert Date: 4/20/23

Signature: [Signature]

STANDARD ADA REQUIREMENTS



SYMBOLS LEGEND:

1. ZONE/ROOM LABEL
(SEE OCCUPANCY SCHEDULE ON LIFE SAFETY PLAN)
ROOM NAME
ROOM #
AREA
2. DOOR LABEL
(SCHEDULE, SEE MW-7 SHEETS)
PLAN
SECTION/ELEVATION
X
3. WINDOW LABEL
(SCHEDULE, SEE MW-7 SHEETS)
PLAN
SECTION/ELEVATION
WX
4. WALL/PARTITION LABEL
(SEE MW-6.X FOR WALL/SLAB DETAILS)
PLAN
SECTION/ELEVATION
ID
5. SLAB/FLOOR/CEILING LABEL
(SEE FLOOR PLANS)
TYPE
6. ELEVATION MARK
(SEE ELEVATION PLANS)
ELEV.
7. COLUMN LINE
(LOCATION MAY VARY)
A
8. EXTERIOR ELEVATION
(SEE FLOOR PLANS)
A
MW-0.2
9. INTERIOR ELEVATION
(SEE MW-3 SHEETS)
A
D
MW-0.2
B
C
10. BUILDING SECTION
(SEE MW-1 SHEETS)
A
MW-0.2
A
MW-0.2
11. PARTIAL/WALL SECTION
(SEE FLOOR PLANS &/OR SECTIONS)
A
MW-0.2
12. DETAIL/ENLARGEMENT REFERENCE
(LOCATION MAY VARY)
A
MW-0.2
13. REVISION REFERENCE
(SEE SHEET INDEX & REVISION TABLE)
#

REVISIONS

ID	DATE	DESCRIPTION	FOR PERMIT
0	05/03/2023		

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REPRODUCTION OR COPIING OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, Midwest, Lee's Summit, Mo



MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

MODEL: AXIOM BETA
RETAIL TOWER
2023

4 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE
FOR MOST
CURRENT
PROJECT
DRAWINGS.

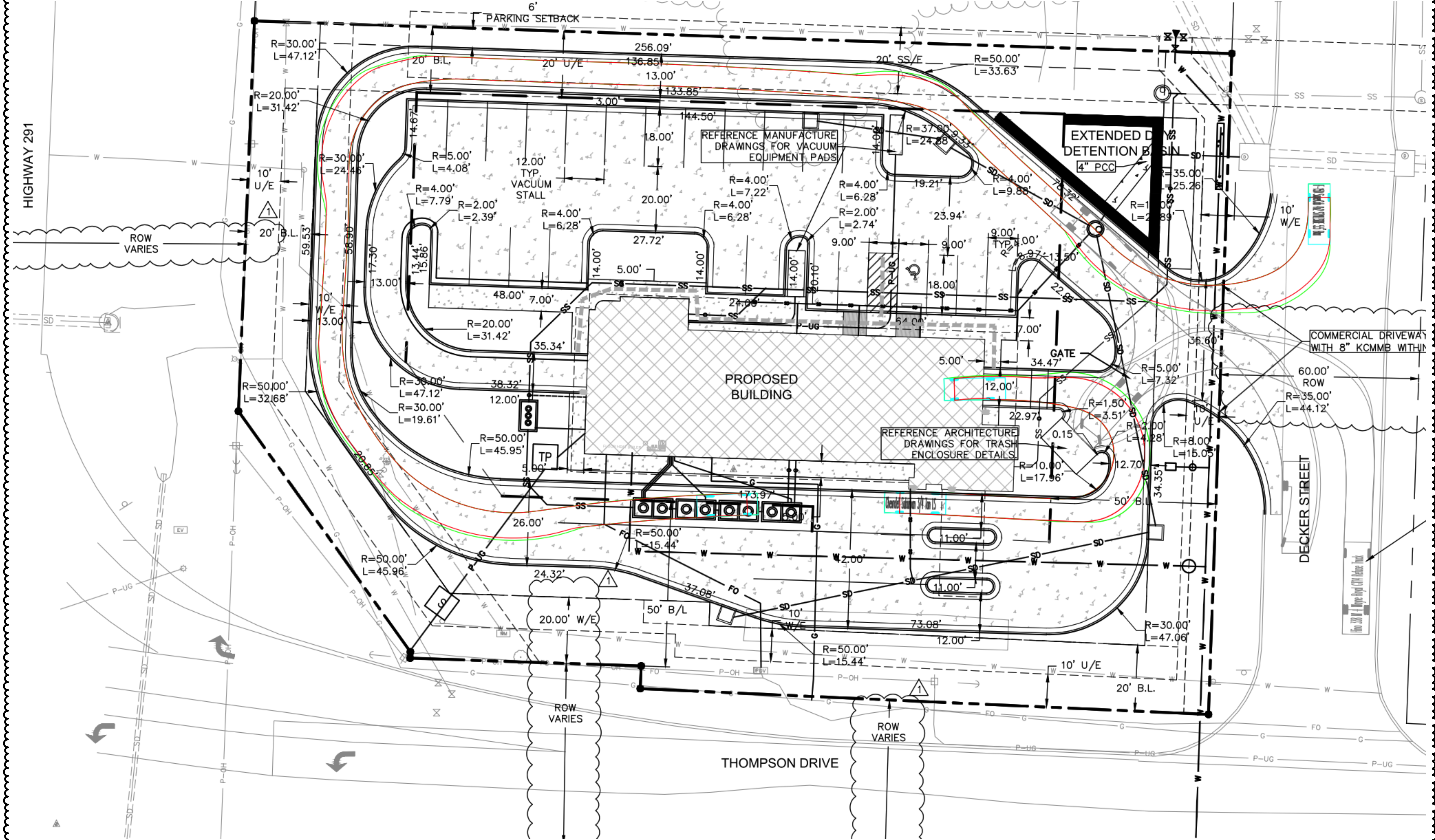


PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET:

MV-0.4

GENERAL INFORMATION



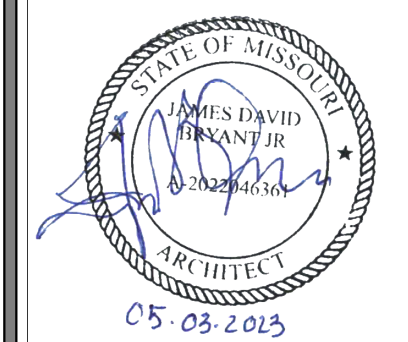
NOTE:
VEGETATIVE SCREENING SHOULD
BE PROVIDED AROUND GROUND-
MOUNTED UNITS PER CITY
REQUIREMENTS. THE SPACING
BETWEEN THE UNITS AND
PLANTINGS SHOULD BE IN
ACCORDANCE WITH
MANUFACTURER REQUIREMENTS.

NOTE:
THIS SITE DRAWING WAS
PRODUCED BY OLSSON.
IT IS SHOWN ON THIS DRAWING
SET FOR REFERENCE ONLY.
REFER TO CIVIL DRAWINGS FOR
ALL CIVIL INFORMATION.

NEW CAR WASH FOR:

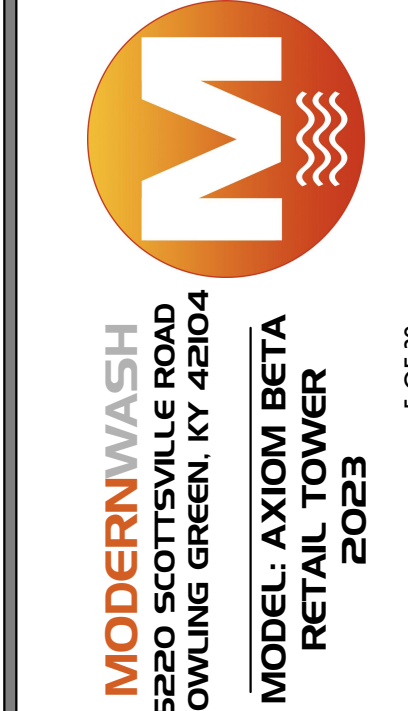
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

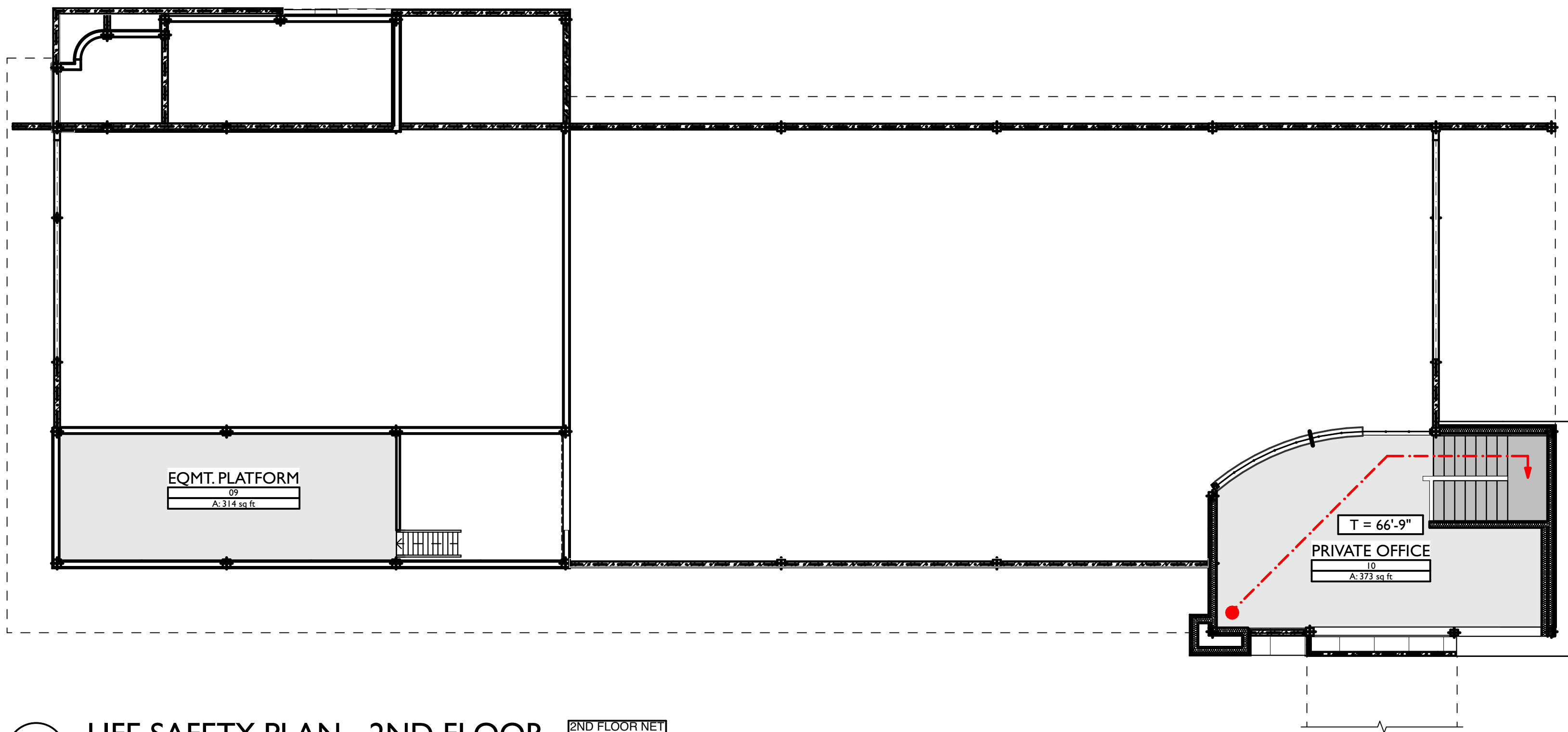
SHEET:
MV-0.5
SITE PLAN



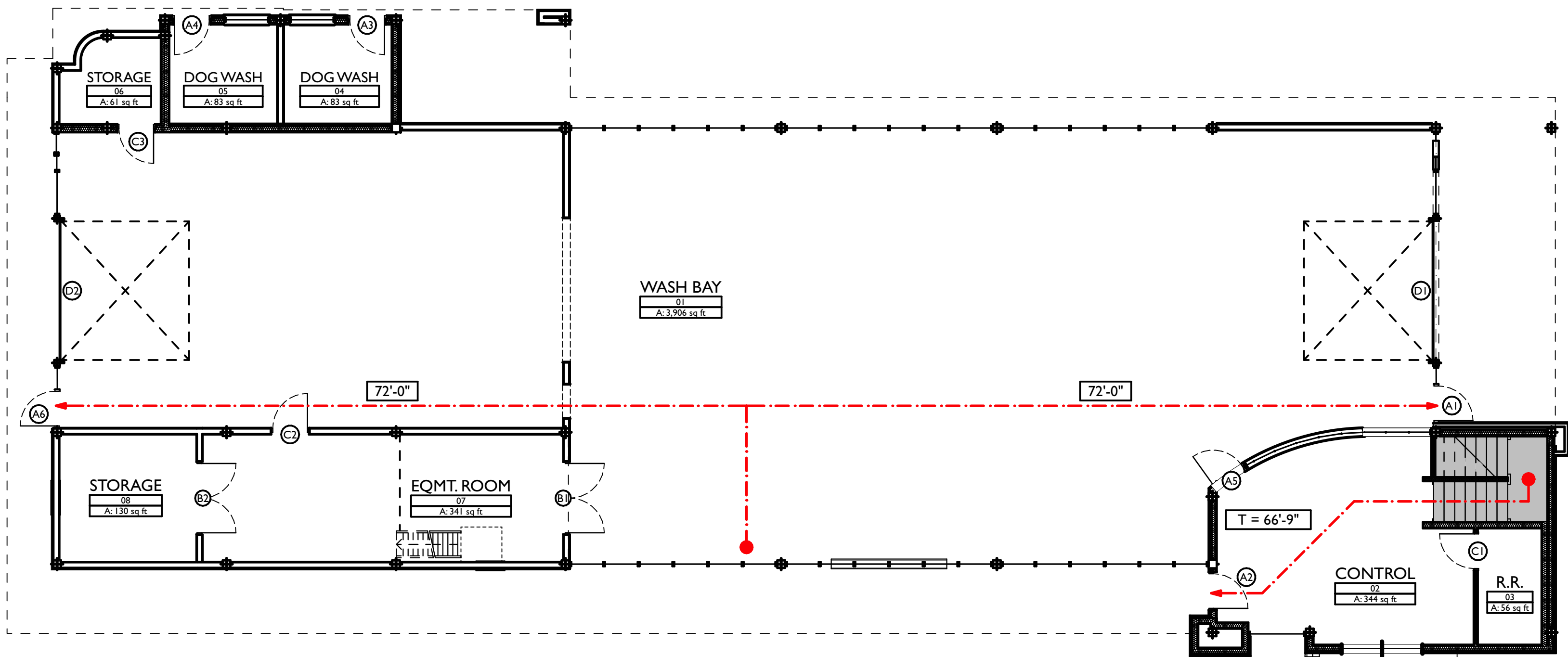
NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE THE PROPERTY OF MODERNWASH INC. AND ILLUSTRATED MATERIAL BELONGING TO MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, Mo

REVISIONS	
ID	DESCRIPTION
0	FOR PERMIT
1	TRENCH/DRAWING UPDATE

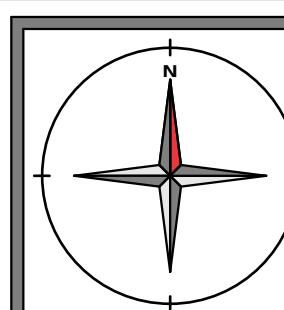


B LIFE SAFETY PLAN - 2ND FLOOR 2ND FLOOR NET 373 SF
SCALE: 1/8" = 1'-0"



G LIFE SAFETY PLAN - 1ST FLOOR 2ND FLOOR NET 5,004 SF
SCALE: 1/8" = 1'-0"

TOTAL BLDG. GROSS
5,722 SF



REVISIONS	
ID	DESCRIPTION
0	05/03/2023 FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, MO



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

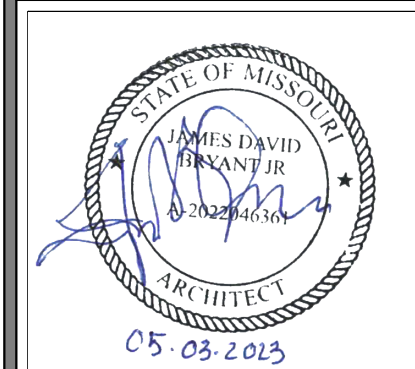
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

6 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

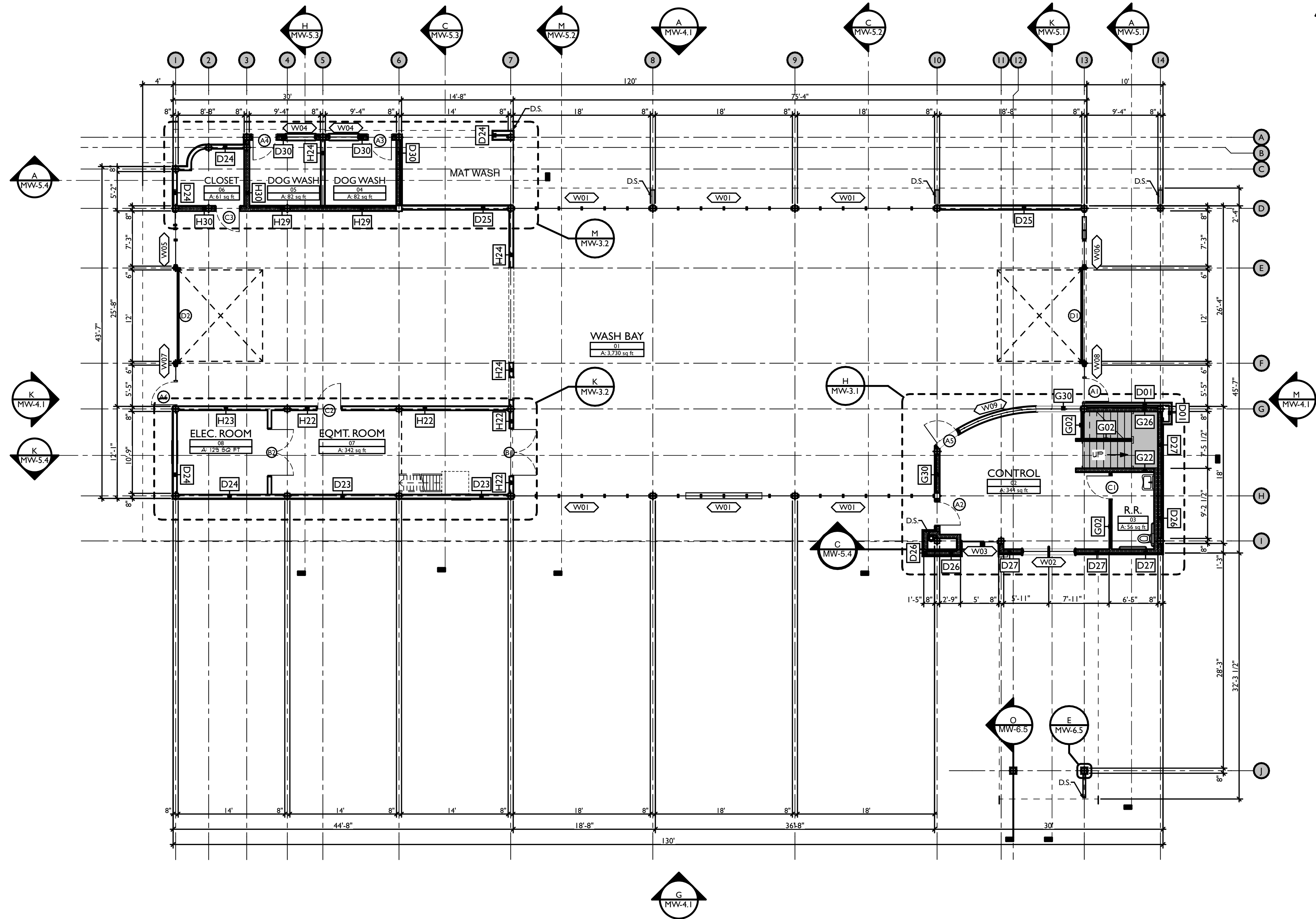


PRELIMINARY

PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: TL

SHEET: **MV-0.6**

LIFE SAFETY PLAN



A 1st FLOOR
SCALE: 1/8" = 1'-0"
FIRST FLOOR GSF
A: 5,213 sq ft

NOTE: AN EPOXY COATING IS TO BE APPLIED ON THE FLOOR OF EACH OF THE FOLLOWING ROOMS:

- 01 - WASH BAY (EXCLUDING TRENCH)
- 02 - CONTROL ROOM
- 03 - R.R.
- 04 - DOG WASH
- 05 - DOG WASH
- 06 - CLOSET
- 07 - EQMT. ROOM
- 08 - ELEC. ROOM

EPOXY FINISH SHOULD BE COORDINATED WITH OWNER.

REVISIONS	
ID	DESCRIPTION
0	FOR PERMIT
1	05/03/2023

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. ANY SUCH VIOLATION SHALL BE CONSIDERED A VIOLATION OF THE COPYRIGHT AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

MODERNWASH 2023
2022-21, ModernWash, LLC's Summary

MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

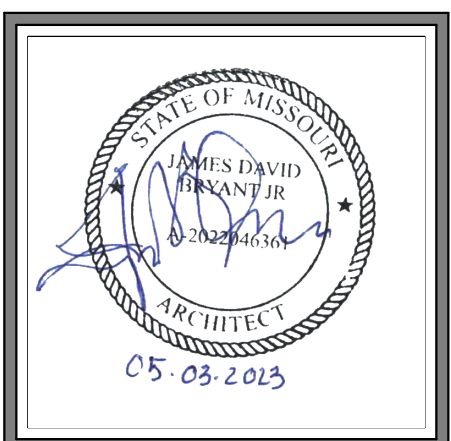
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

7 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: TL

SHEET:
MW-1.1

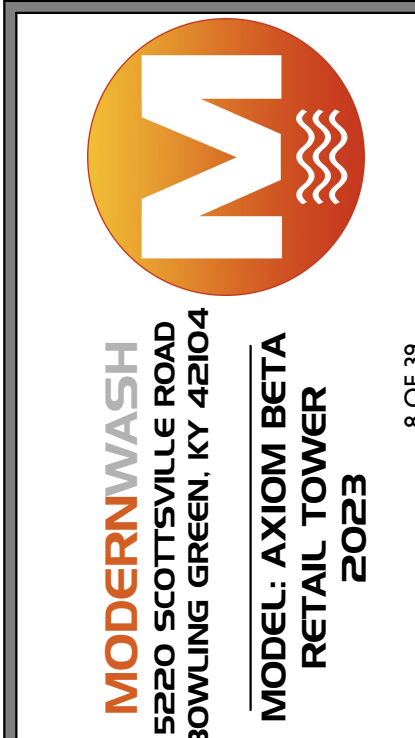
1st FLOOR PLAN

[illegible]

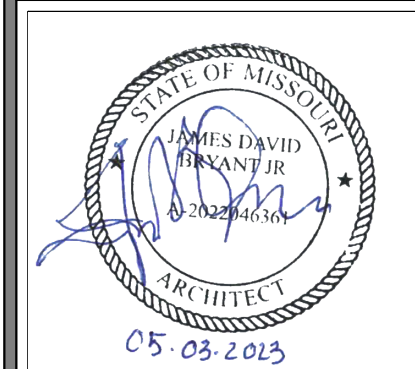
NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DESIGNS ARE NOT TO BE REPRODUCED OR COPIED, EITHER WHOLLY OR IN PART, WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023

2022-21 Midwest, Leo's Summit, Inc.



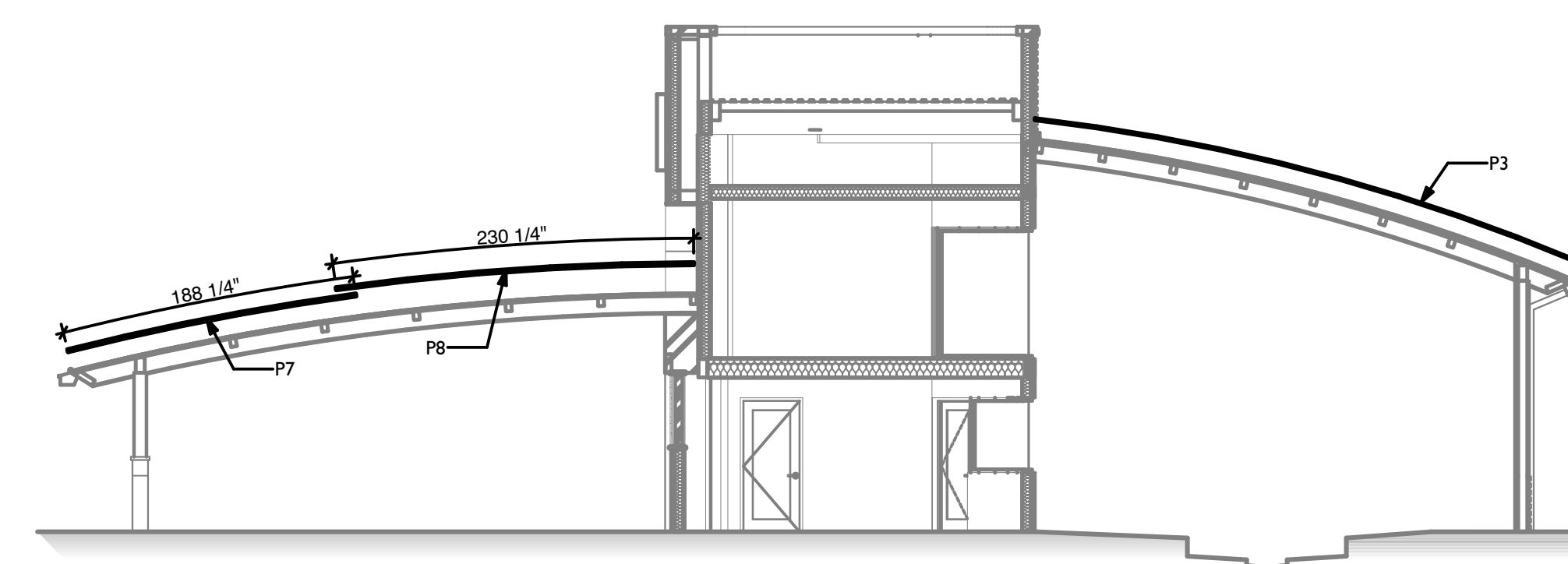
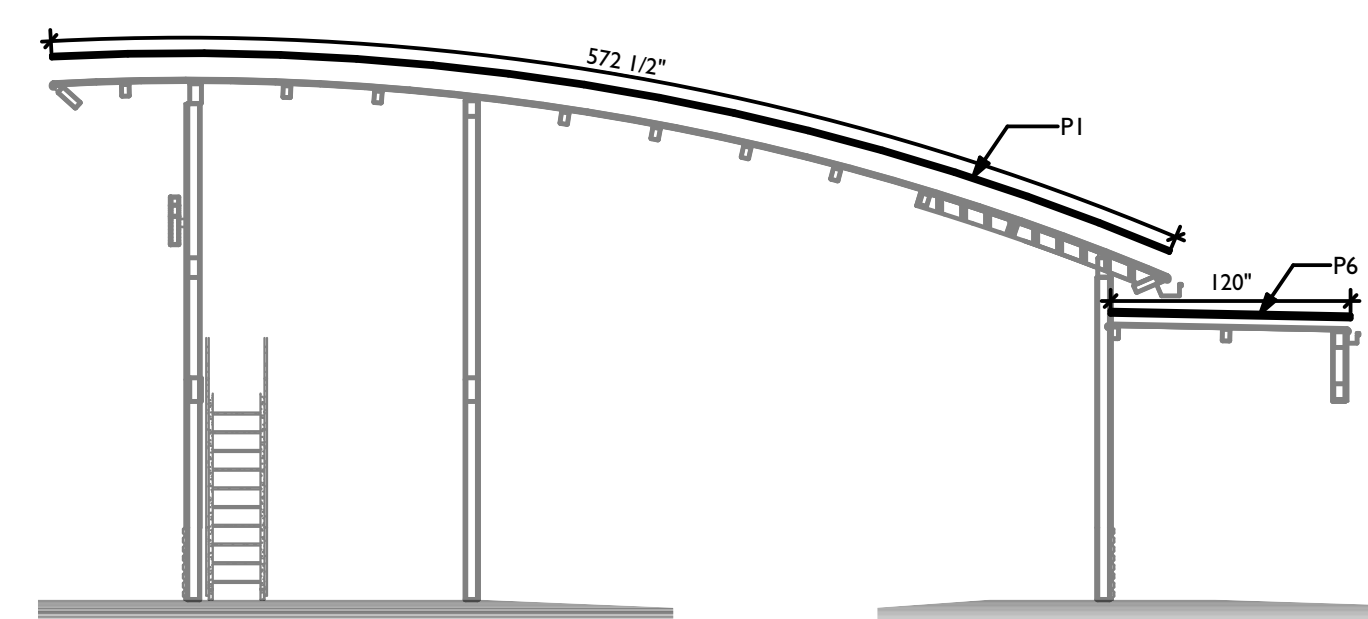
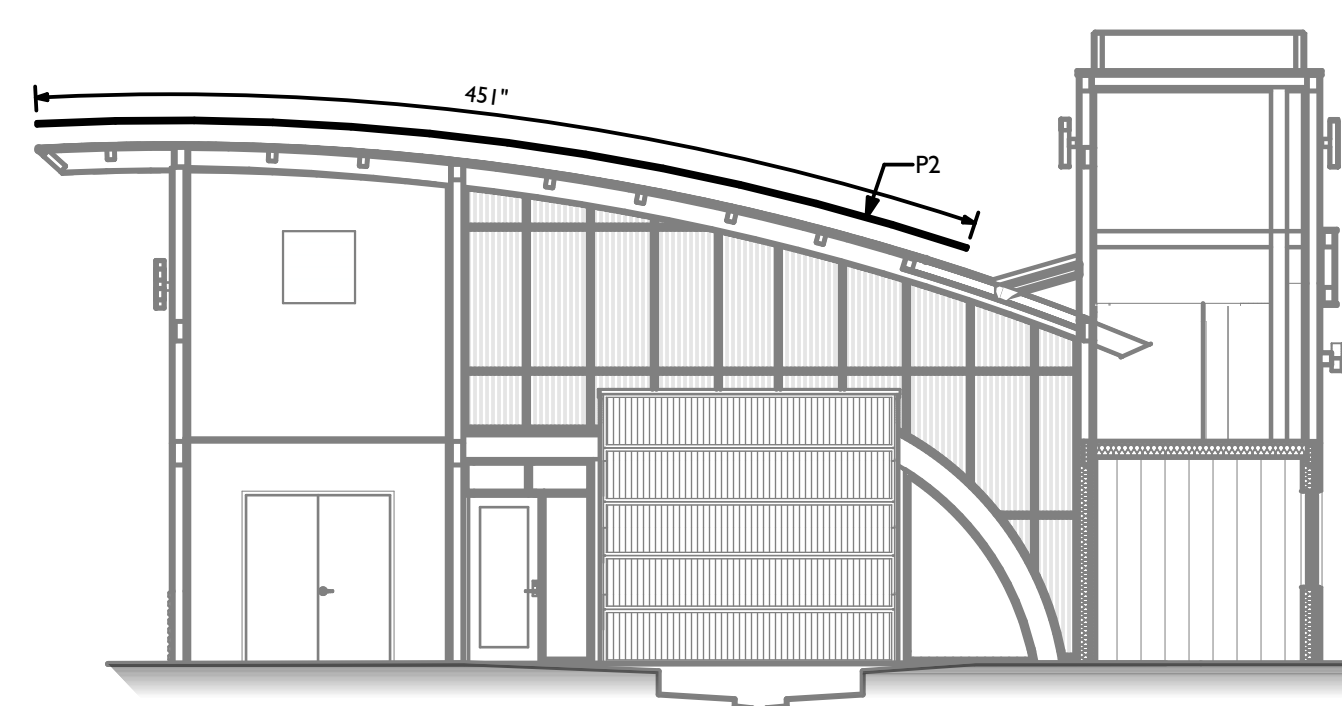
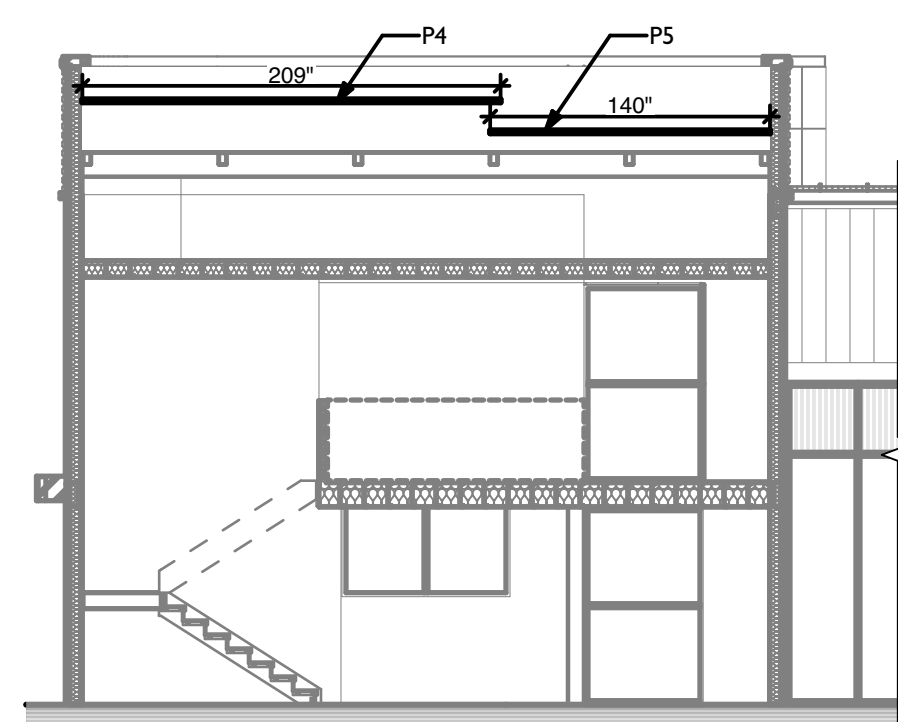
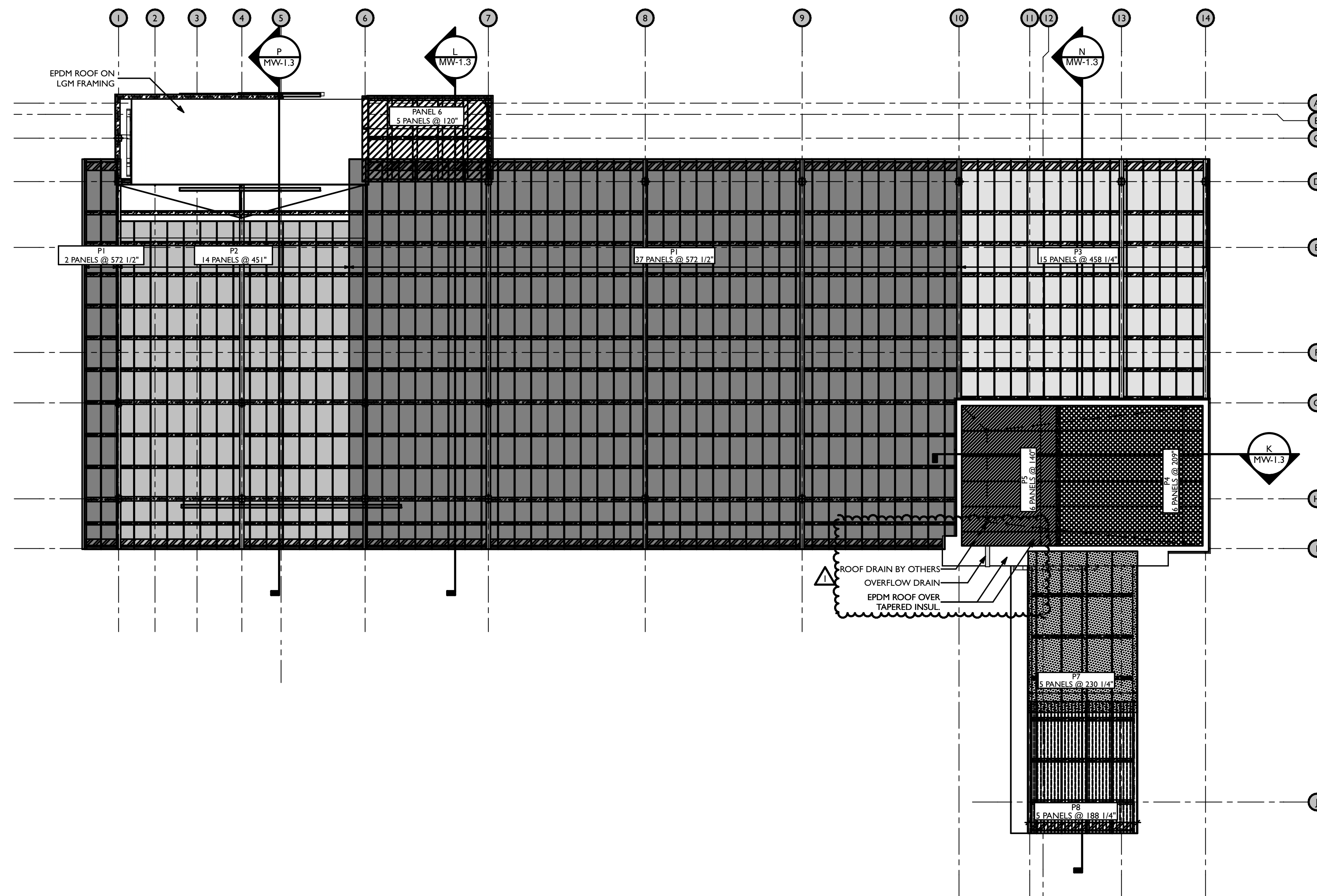
NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



PRELIMINARY	
PLOT DATE:	6/9/2
DRAWN BY:	EWB, CBF
CHECKED BY:	T

SHEET: MW-1.2

2nd FLOOR PLAN

[illegible]

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DESIGNS, DRAWINGS AND/OR RENDERINGS ARE CONFIDENTIAL, PROPRIETARY MATERIAL BELONGING TO MODERNWASH INC. ANY REUSE OR REPRODUCTION OF THIS DESIGN AND ITS VARIOUS ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ILLUMINATED DESIGNS INC. RECEIPT OF THIS DOCUMENT DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.



NEW CAR WASH FOR:
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

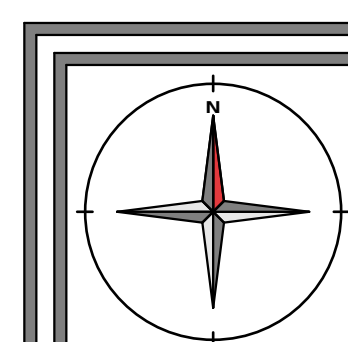


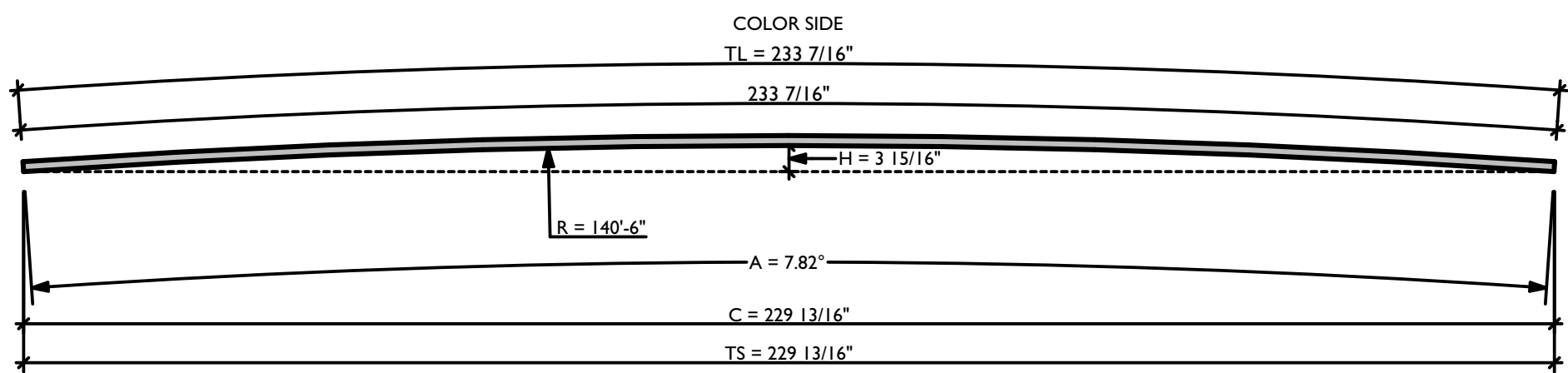
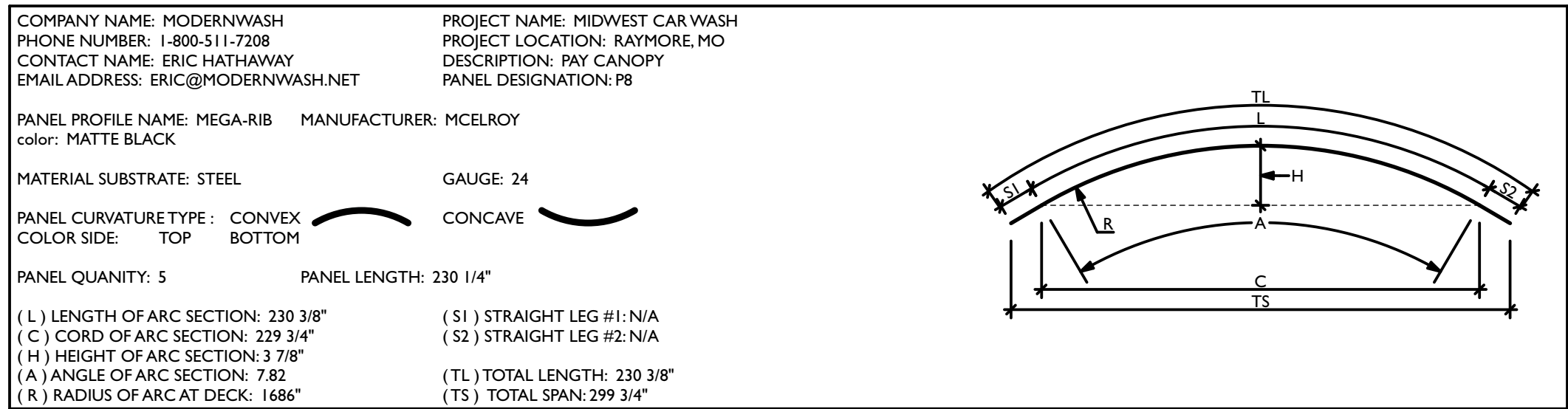
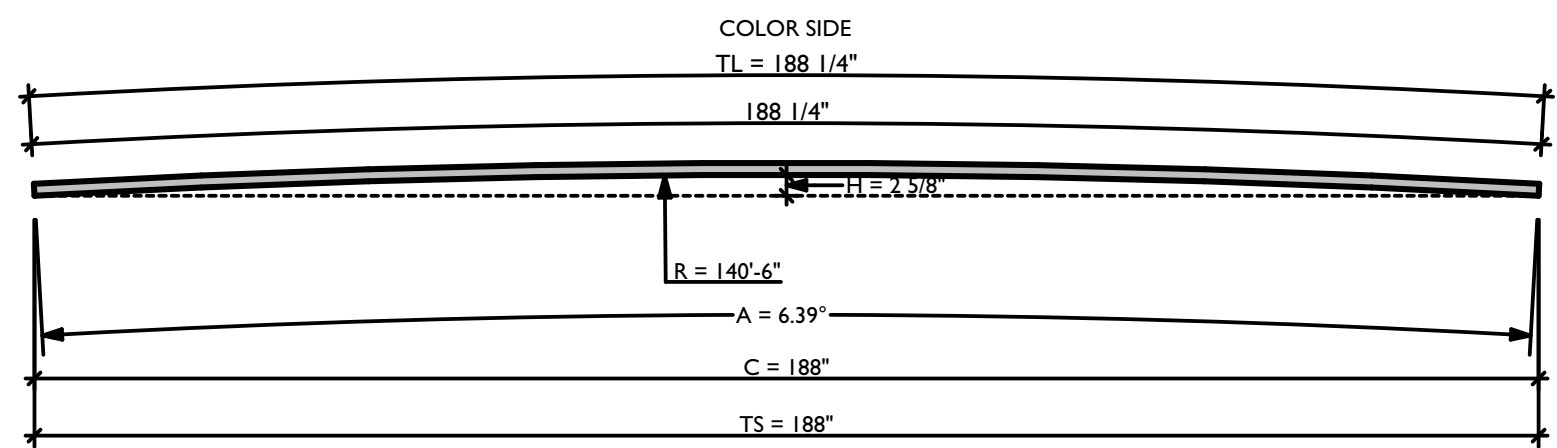
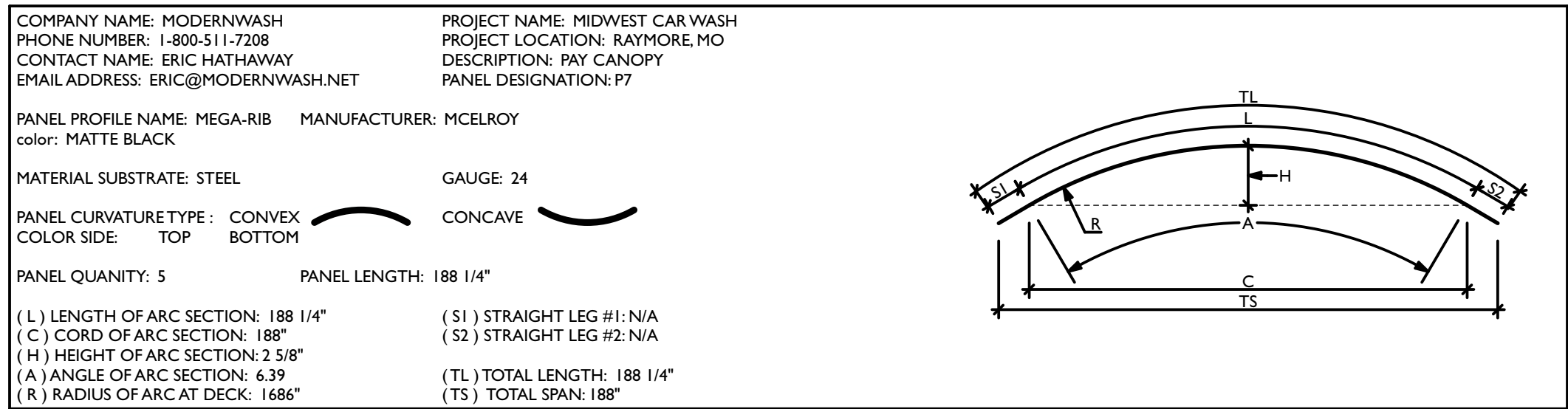
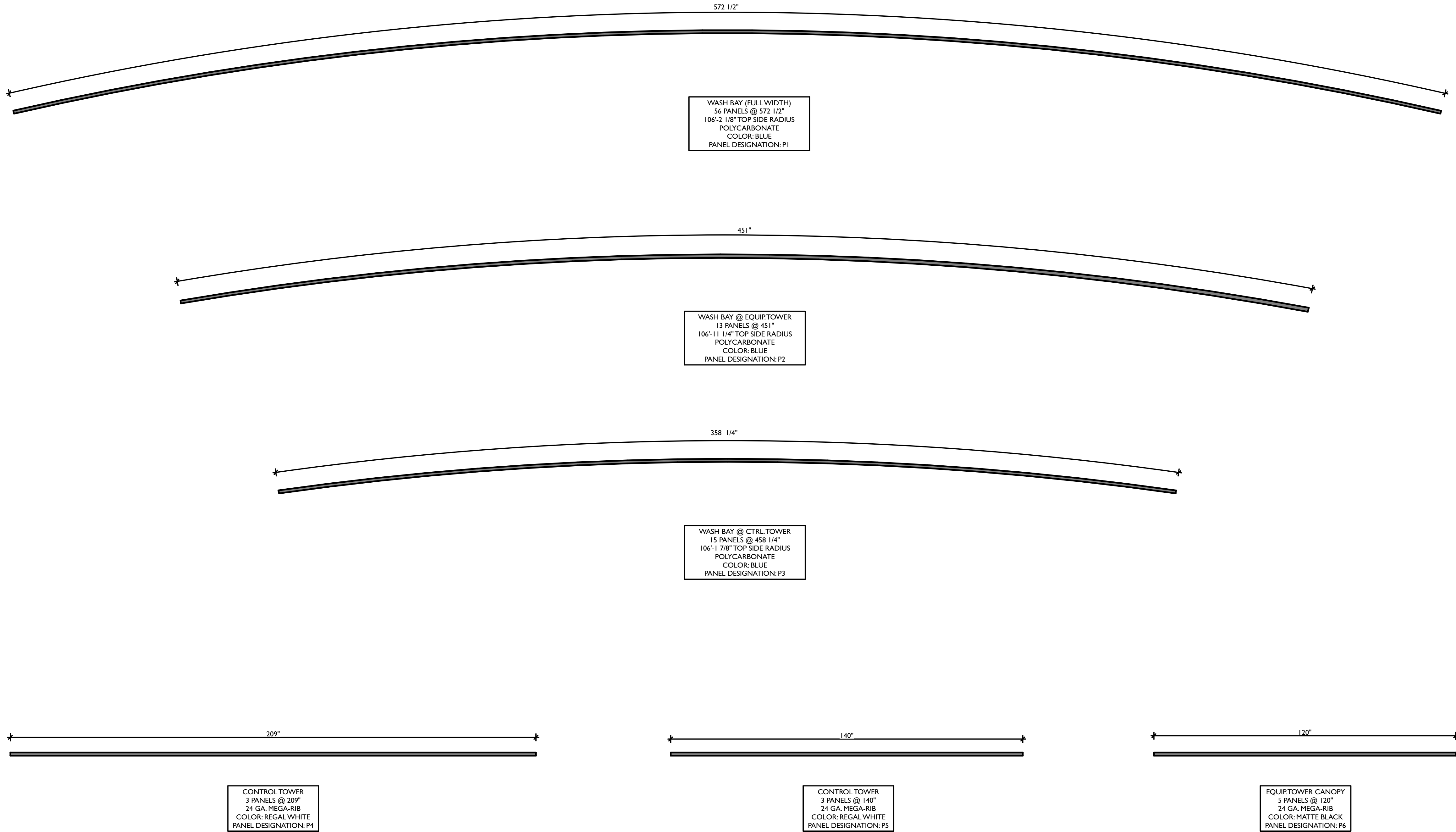
PRELIMINARY	
PLOT DATE:	6/9/12
DRAWN BY:	EWB, CB
CHECKED BY:	1

SHEET:

MW-1.3

ROOF PLAN





REVISIONS		DESCRIPTION
ID	DATE	
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023

2022-21_Midwest_Car_Wash.dgn

MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

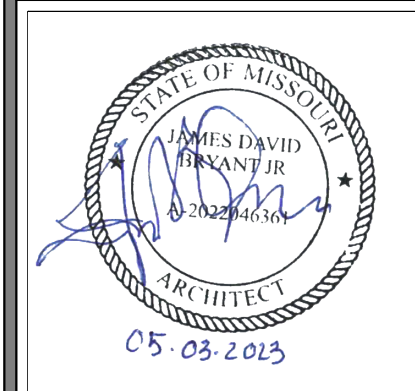
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

10 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

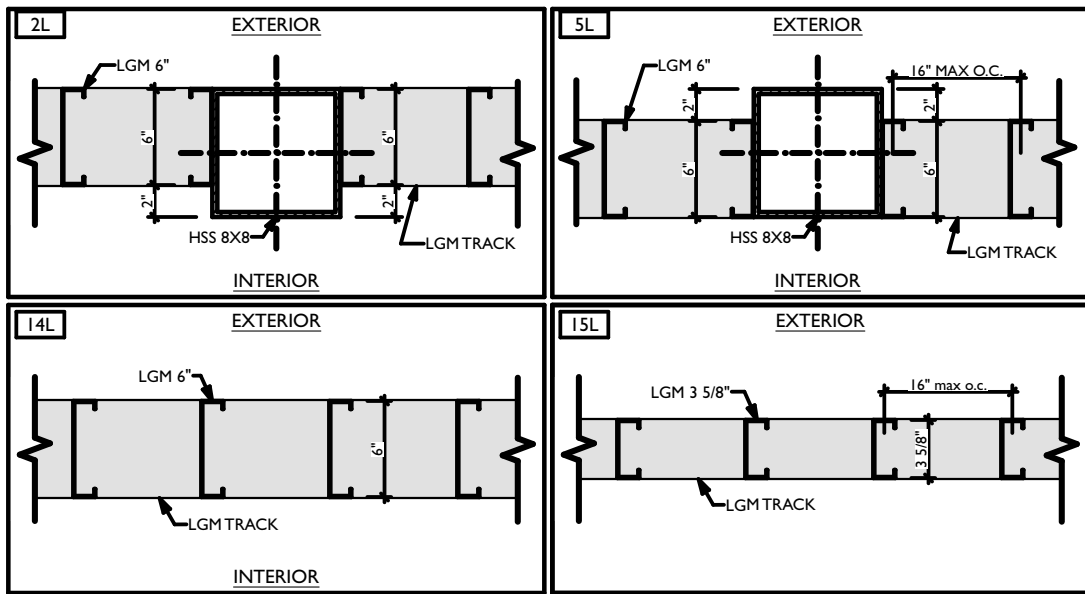
PRELIMINARY

PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET:

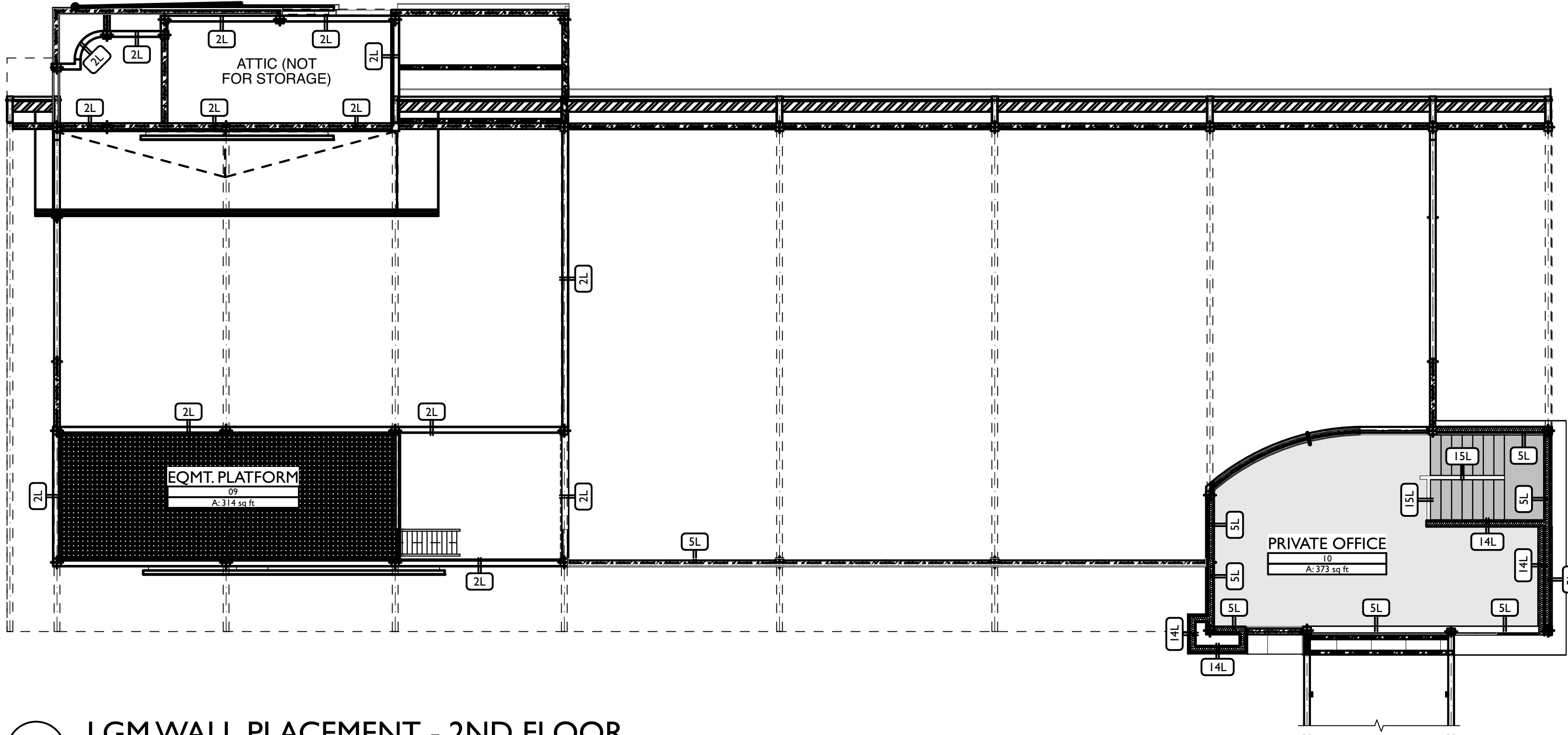
MW-I.4

ROOF PANEL CUTSHEETS

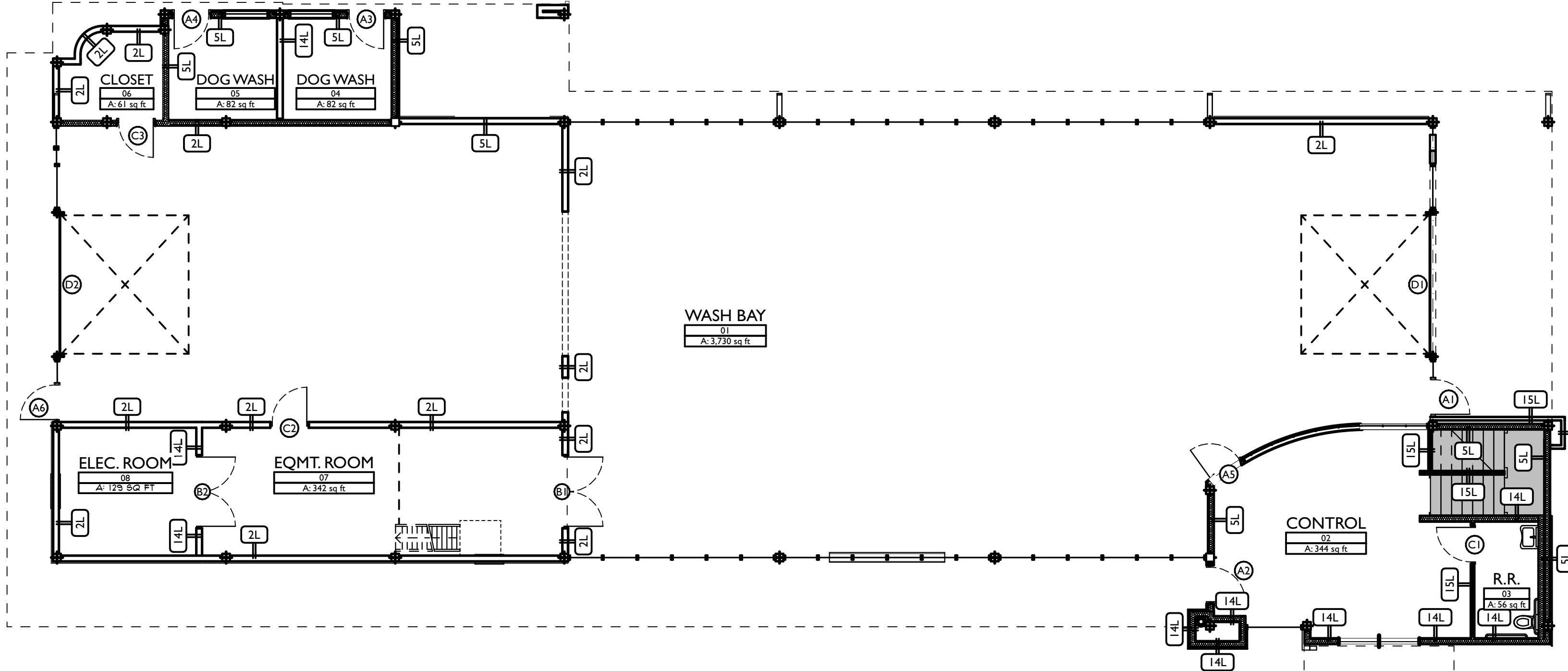


NOTE:
INTERIOR BUILDING WALL PLACEMENT ASSUMES THE WASH BAY IS CONSIDERED TO BE THE EXTERIOR SIDE OF THE WALL.

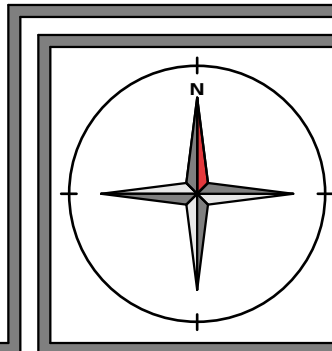
SHEATHING, FINISH, AND INSULATION IS NOT SHOWN FOR CLARITY. SEE WALL TYPE DETAILS FOR ACTUAL WALL COMPOSITION.



B LGM WALL PLACEMENT - 2ND FLOOR
SCALE: 1/8" = 1'-0"



G LGM WALL PLACEMENT - 1ST FLOOR
SCALE: 1/8" = 1'-0"



REVISIONS	
ID	DESCRIPTION
0	05/03/2023 FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. ANY SUCH REUSE, REPRODUCTION, OR DISTRIBUTION DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, MO



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

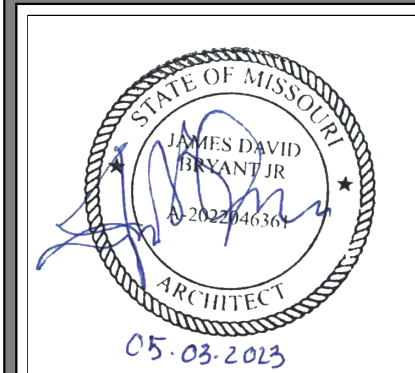
MODEL: AXIOM BETA
RETAIL TOWER
2023

11 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.



PRELIMINARY

PLOT DATE: 6/9/23

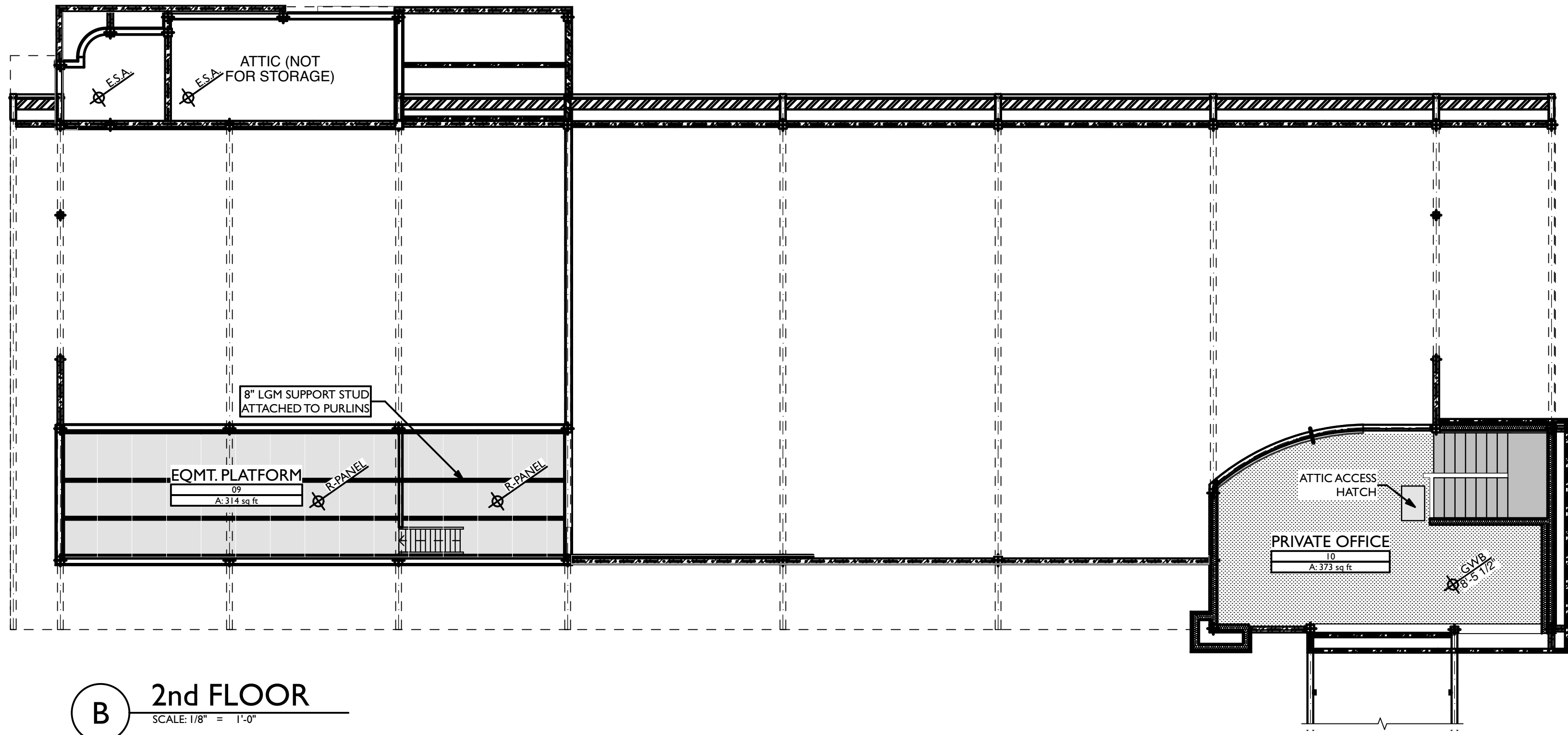
DRAWN BY: EWH, CBH

CHECKED BY: TL

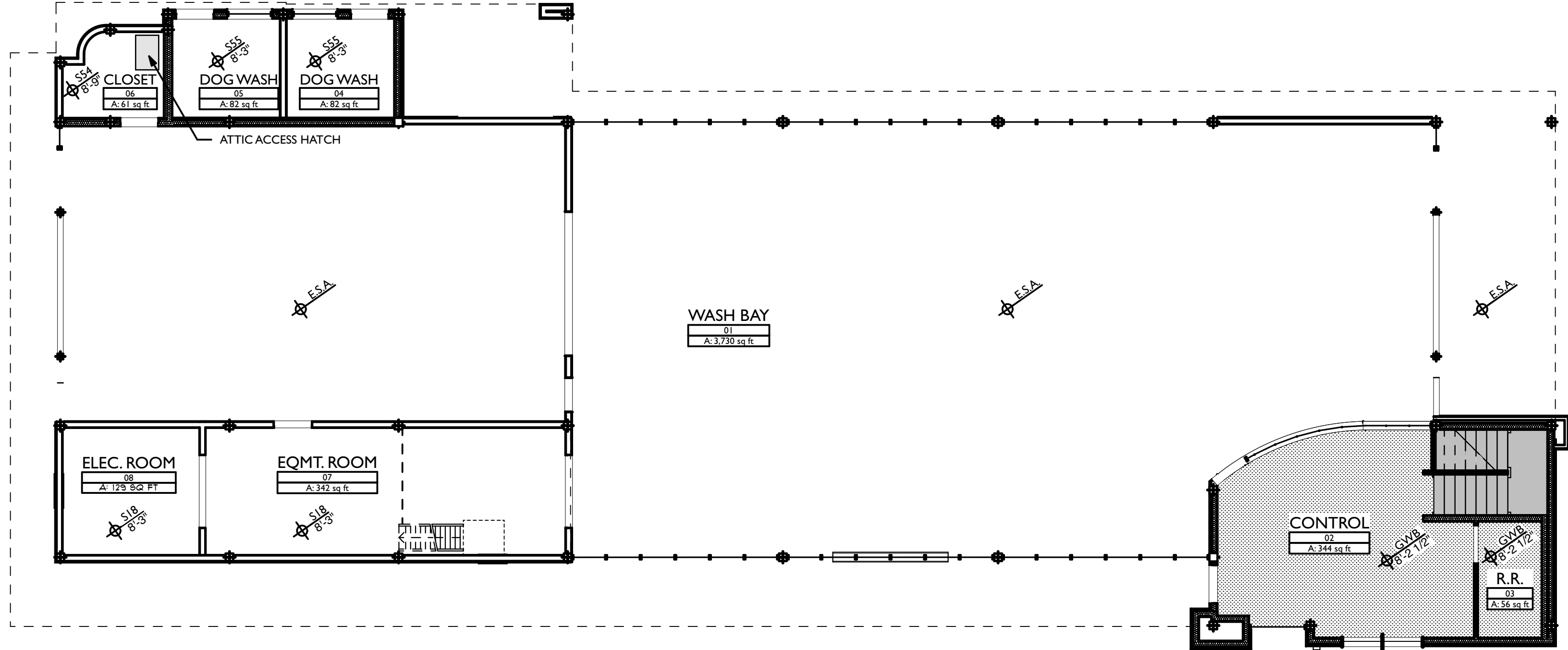
SHEET:

MW-I.5

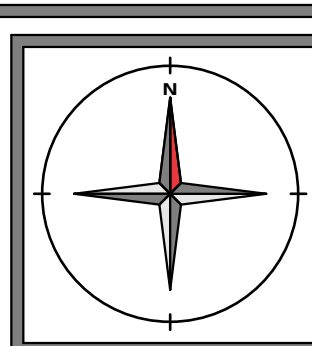
LGM WALL PLACEMENT



B 2nd FLOOR
SCALE: 1/8" = 1'-0"



G 1st FLOOR
SCALE: 1/8" = 1'-0"



REVISIONS	
ID	DESCRIPTION
0	05/03/2023 FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, MO

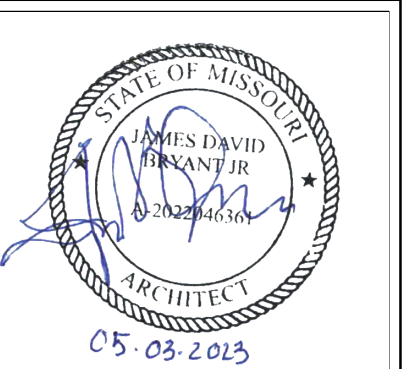


MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

**MODEL: AXIOM BETA
RETAIL TOWER
2023**

12 OF 39

NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

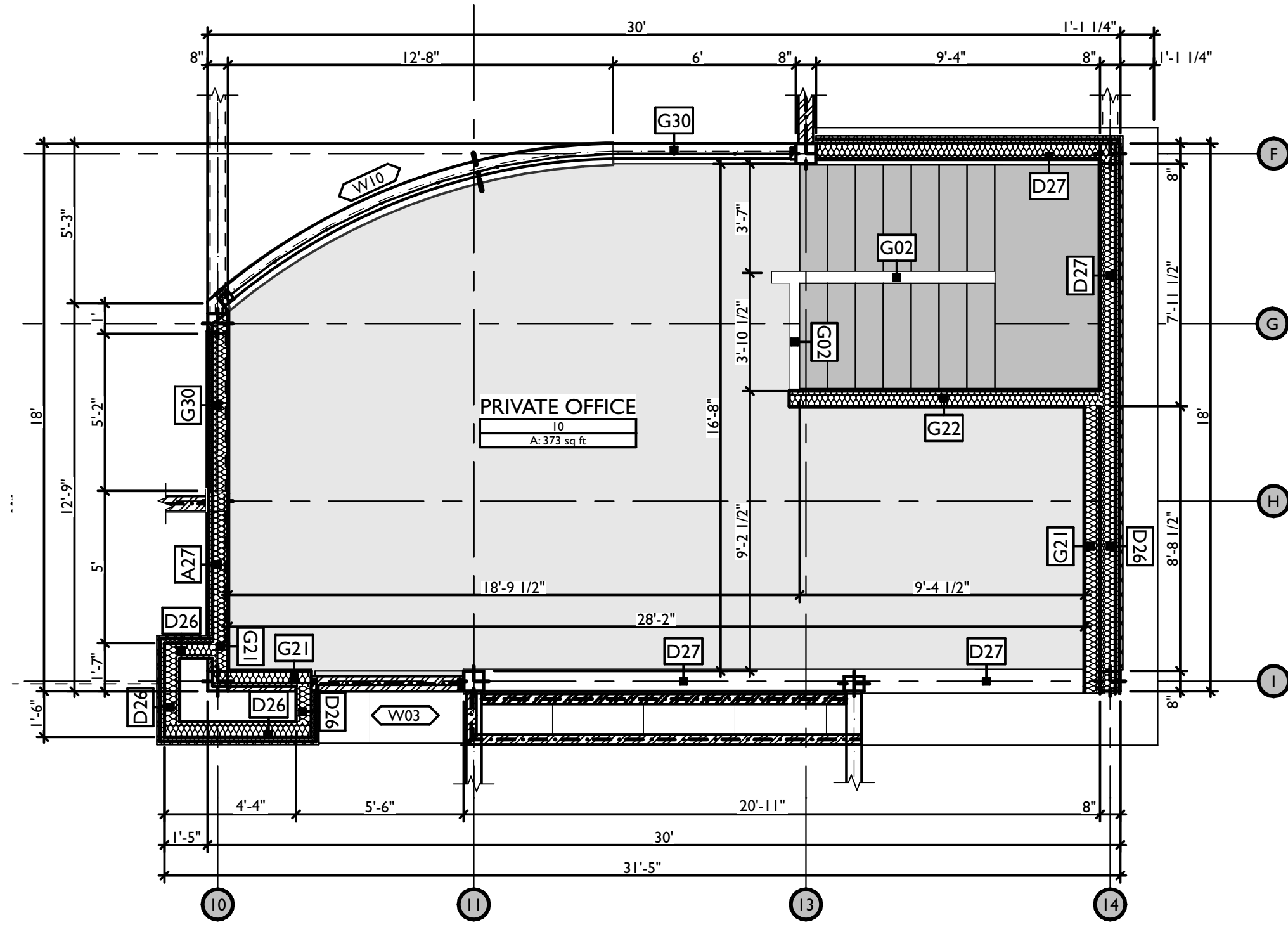


USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

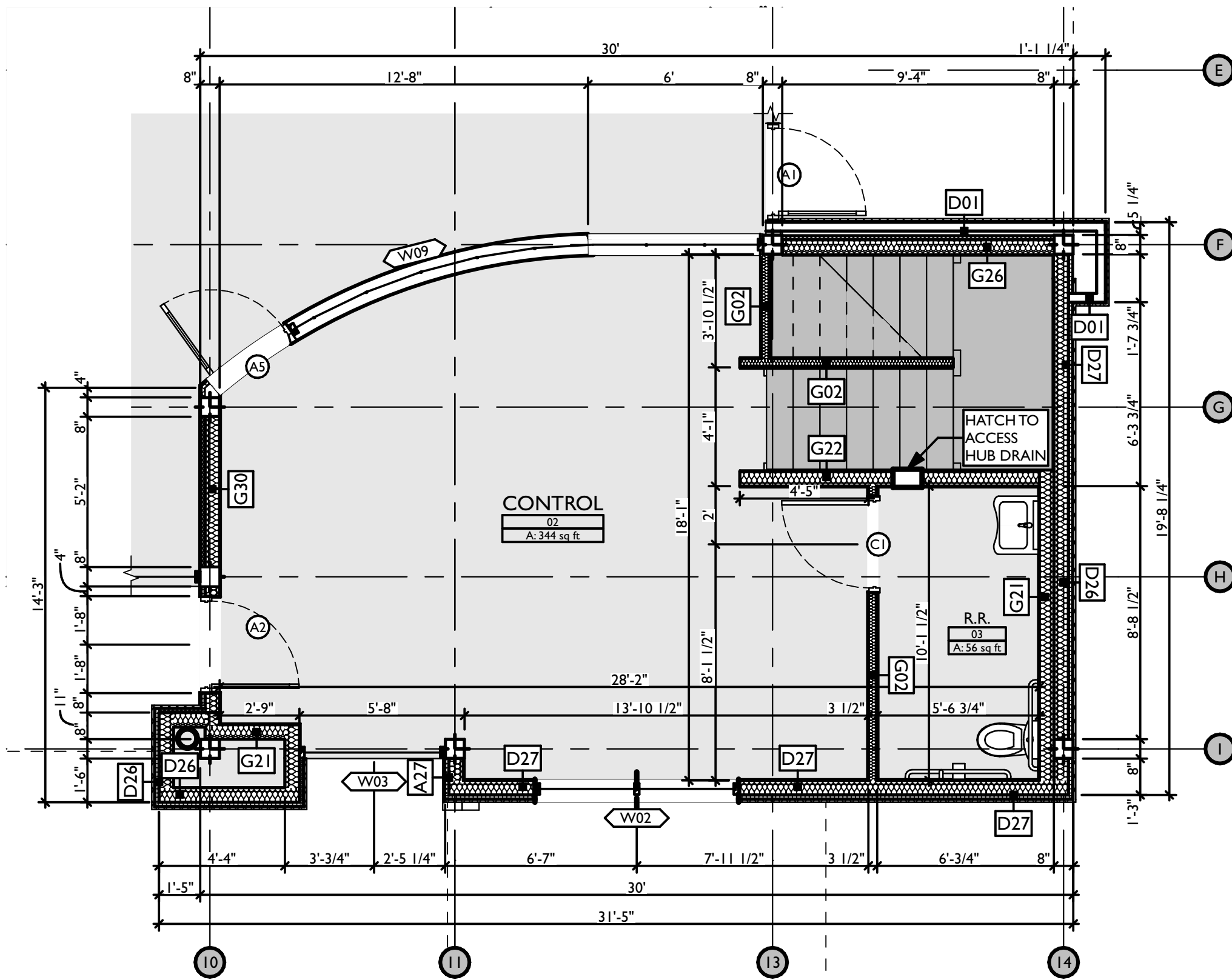


PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: TL

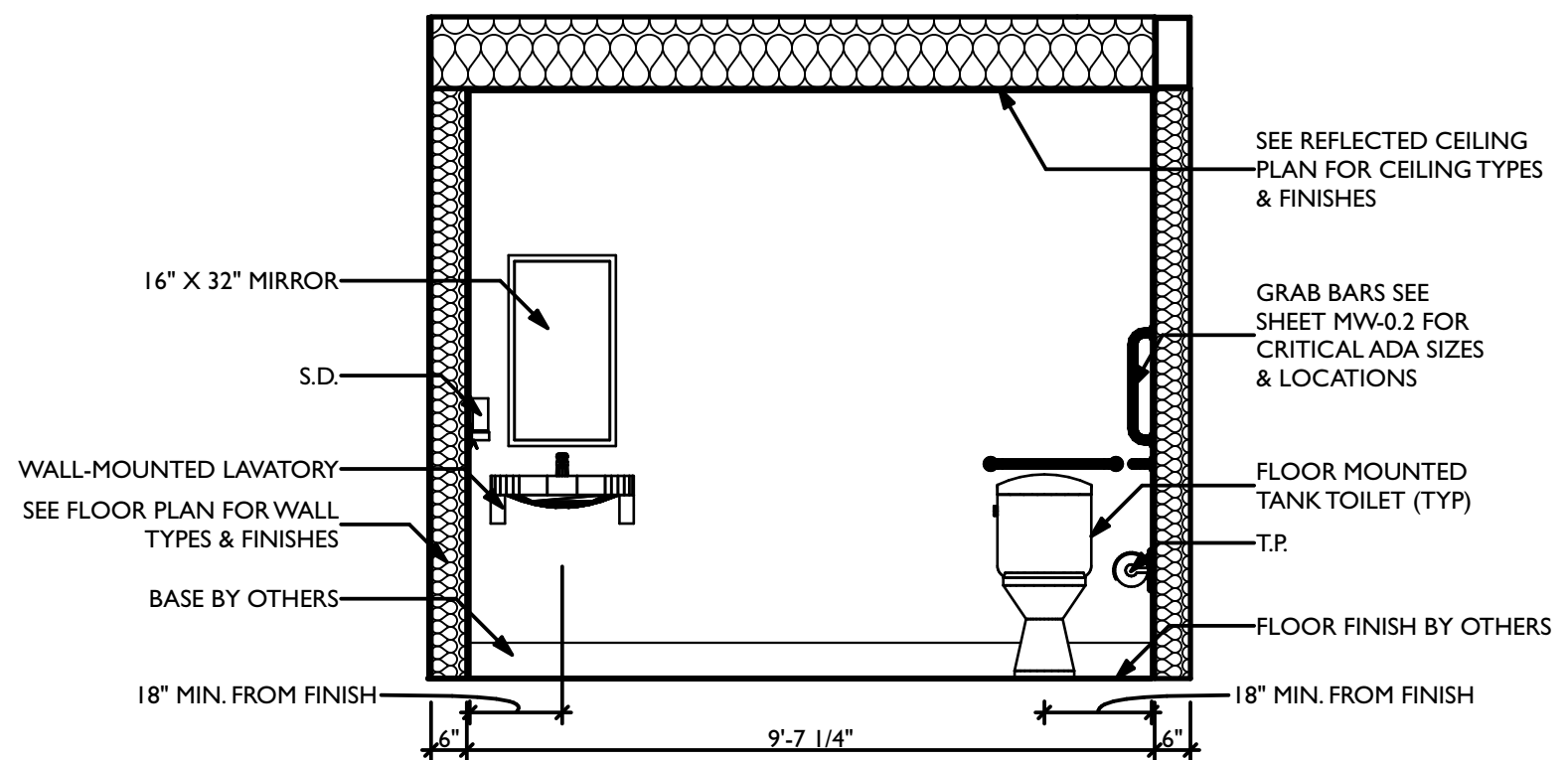
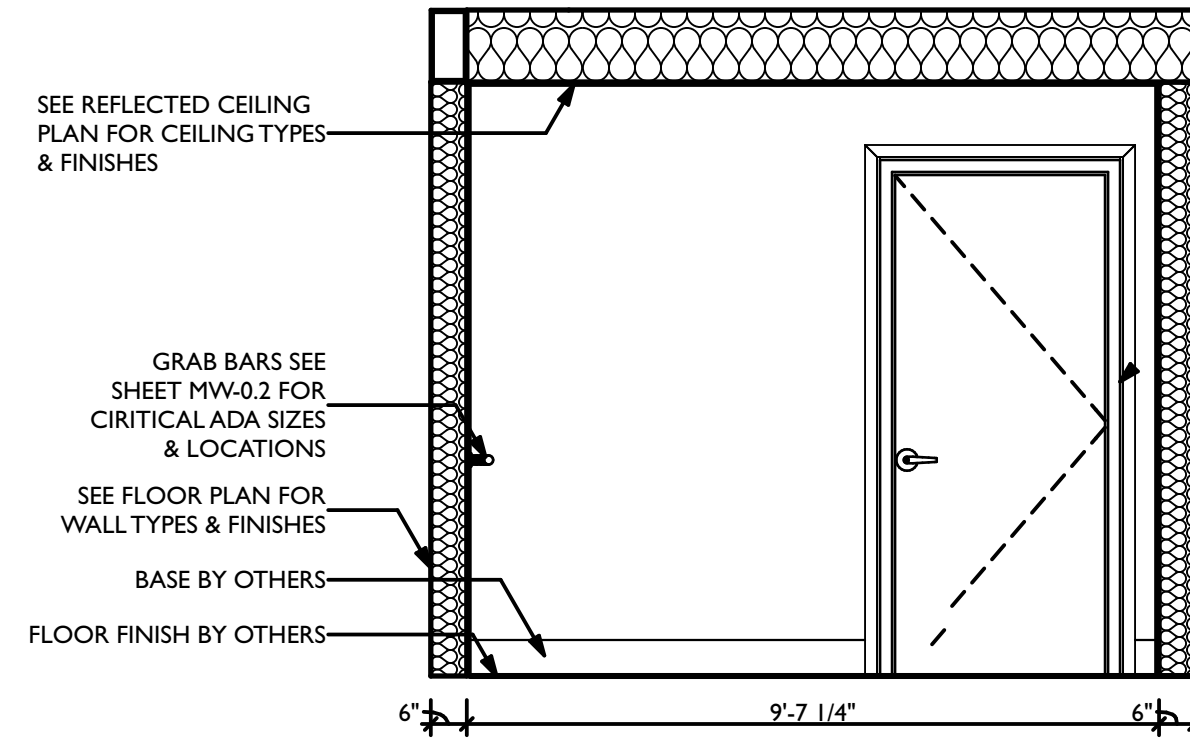
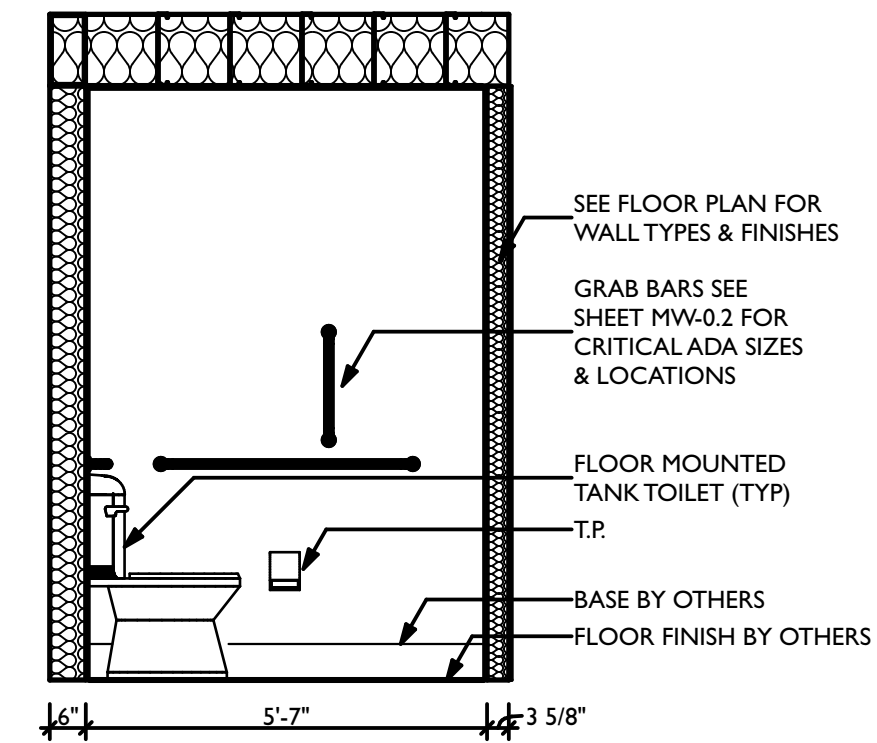
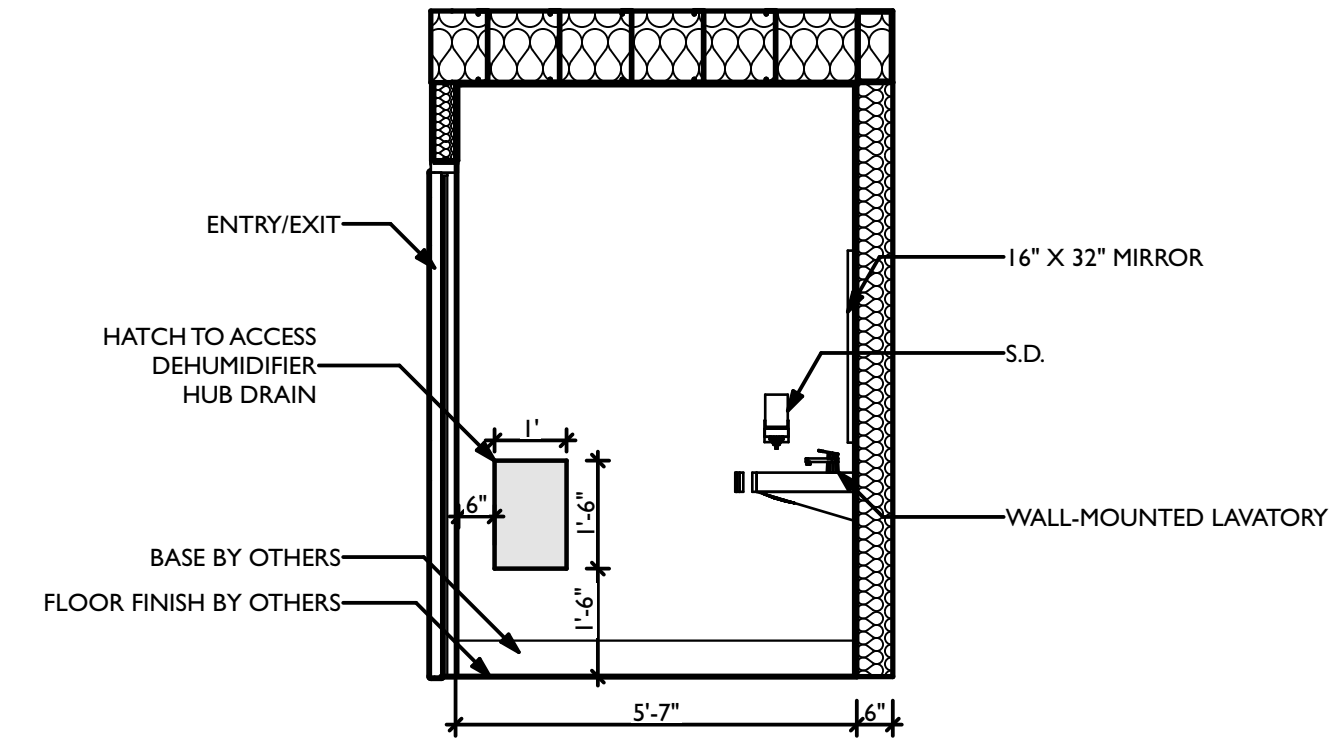
SHEET:
MW-2.1
REFLECTED CEILING PLANS



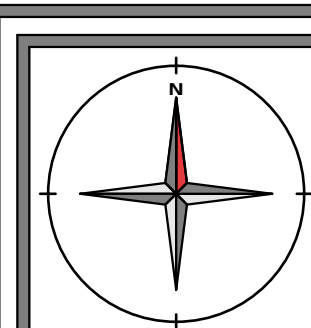
C CONTROL TOWER - 2ND FLOOR
SCALE: 1/4" = 1'-0"



H CONTROL TOWER - 1ST FLOOR
SCALE: 1/4" = 1'-0"



E R.R. ENLARGED ELEVATIONS
SCALE: 3/8" = 1'-0"



REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

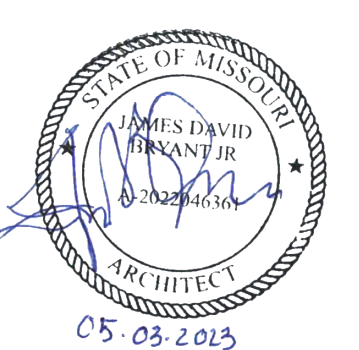
COPYRIGHT: MODERNWASH 2023
2022-21, Midwest, Lee's Summit, Mo



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42004
MODEL: AXIOM BETA
RETAIL TOWER
2023

13 OF 39

NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



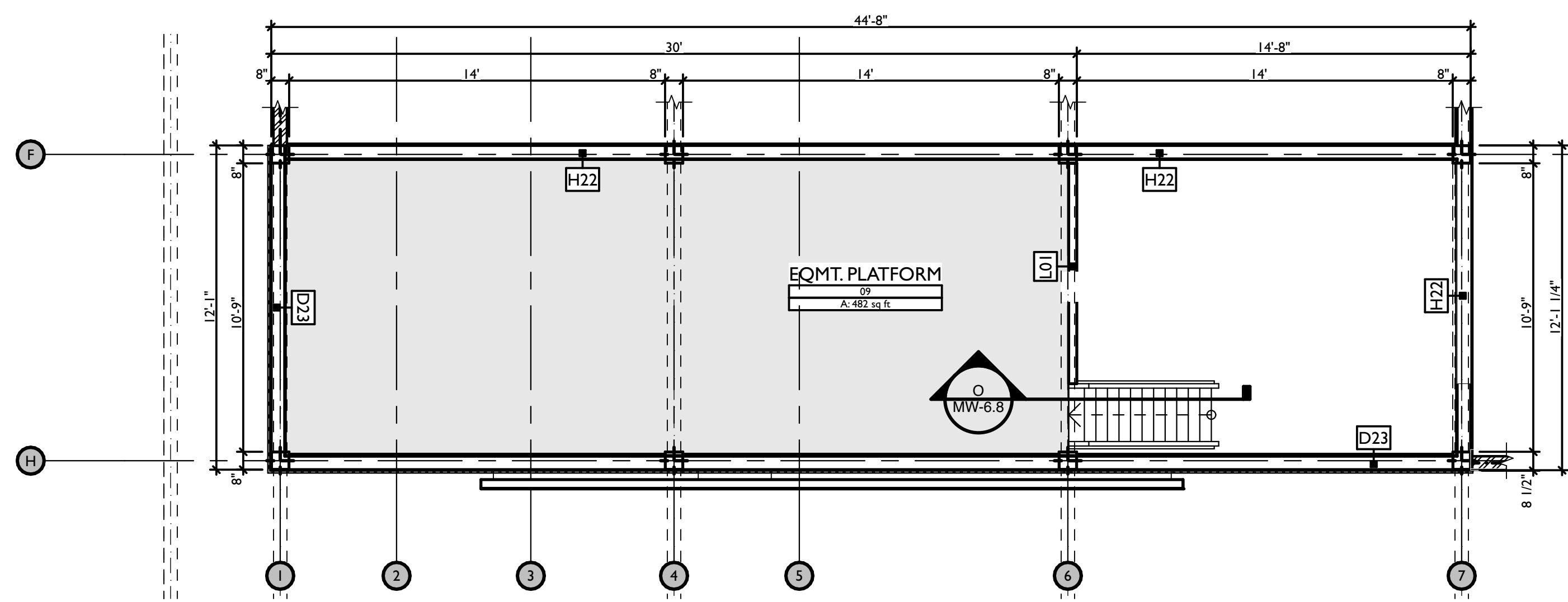
PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: TL

SHEET:

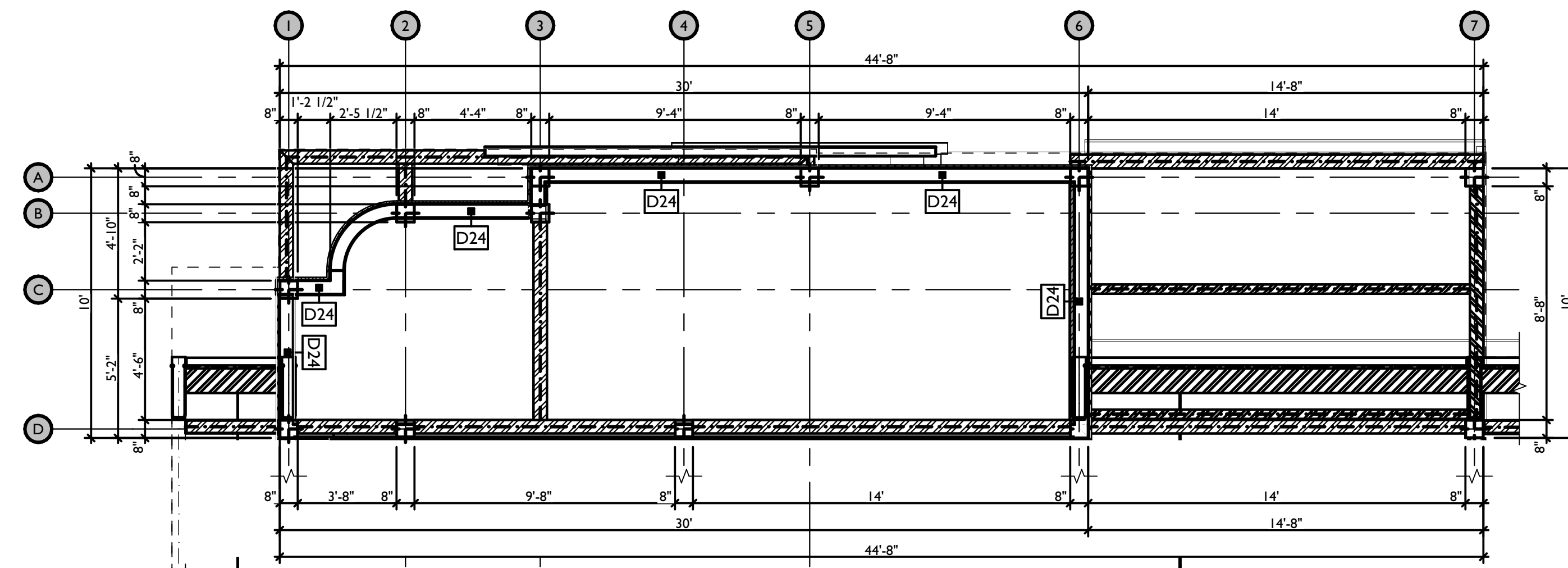
MW-3.1

ENLARGED PLANS

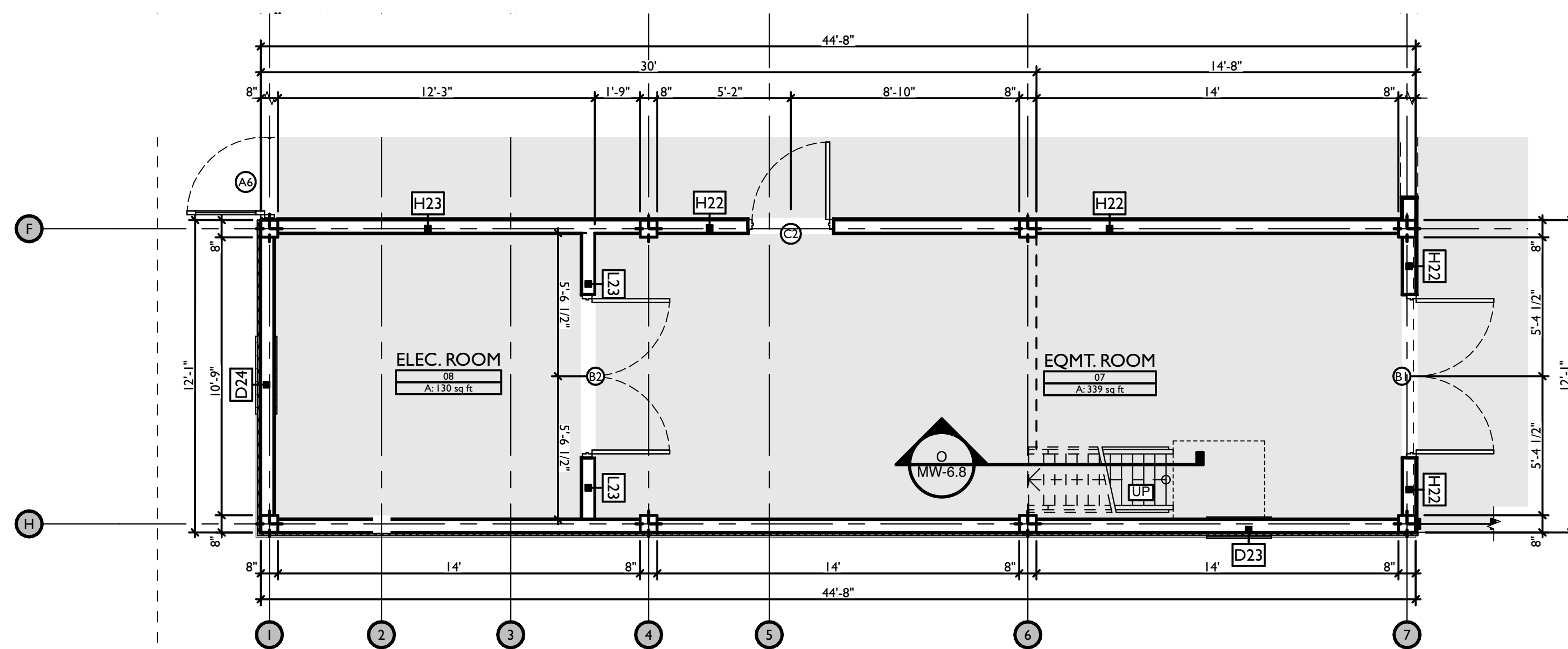
DATE OF CREATION: 09/09/21 MW JOB #: 2022-21



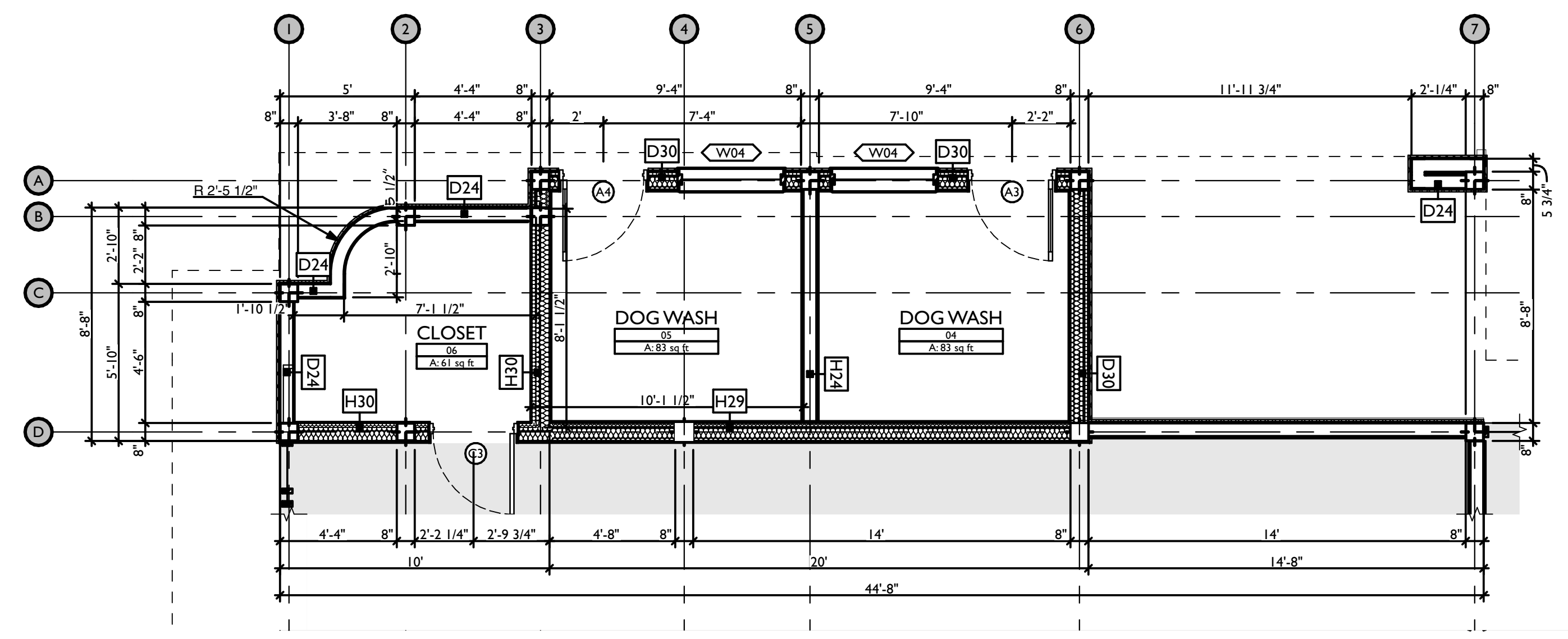
A EQMT. ROOM - PLATFORM
SCALE: 1/4" = 1'-0"



C DOG WASH TOWER - 2ND FLOOR
SCALE: 1/4" = 1'-0"



K EQMT. ROOM - 1ST FLOOR
SCALE: 1/4" = 1'-0"



M DOG WASH TOWER - 1ST FLOOR
SCALE: 1/4" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.

COPYRIGHT: MODERNWASH 2023
2022-21, Modern Wash, LLC's Summit, MO

MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

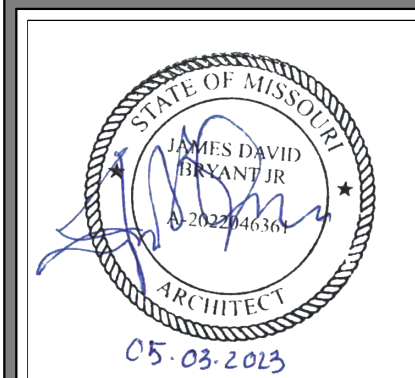
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

14 OF 39

NEW CAR WASH FOR:

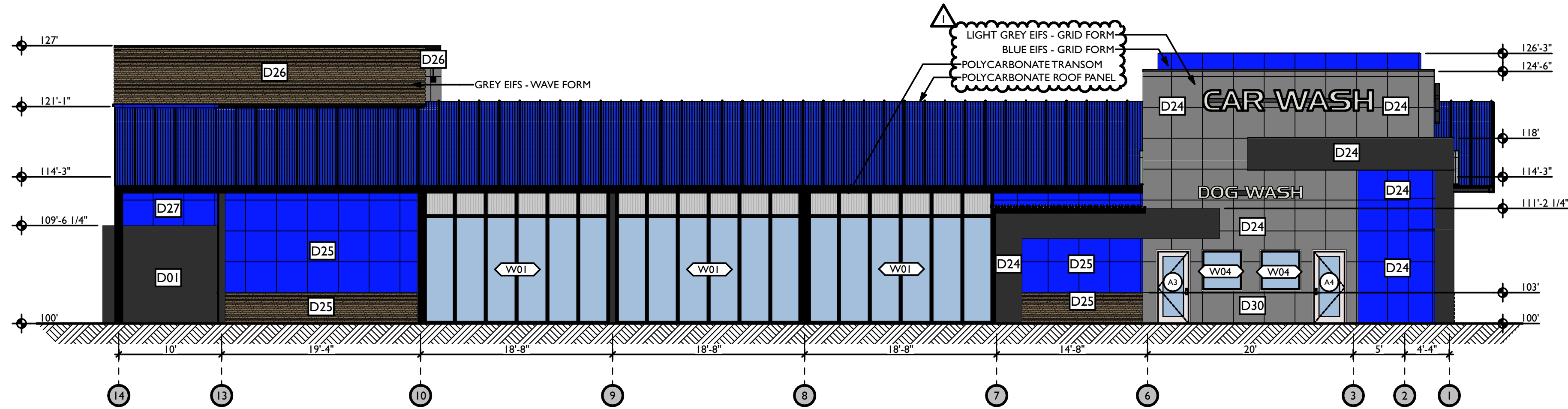
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

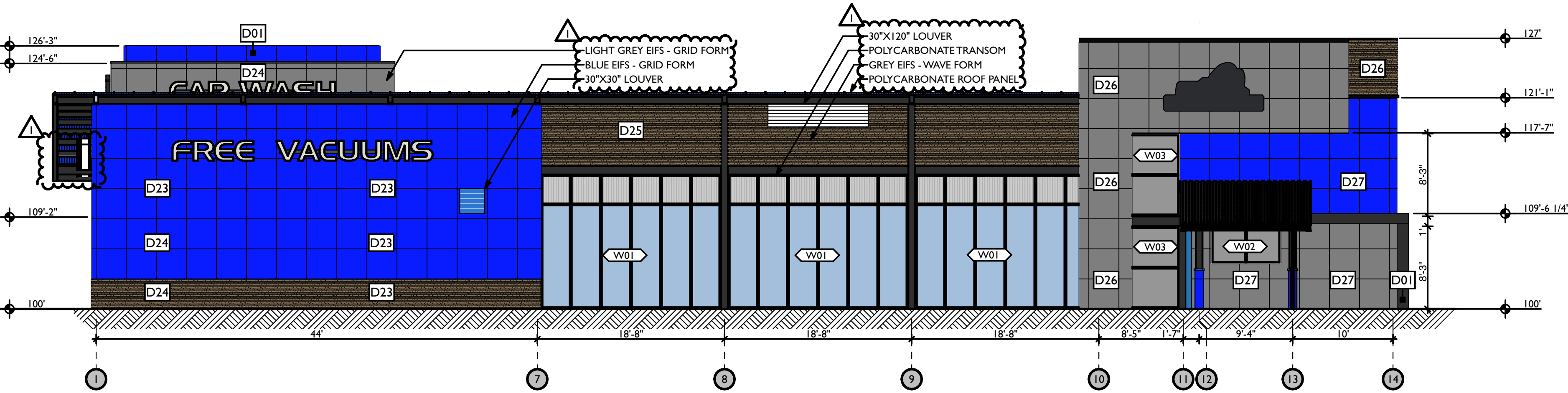


USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

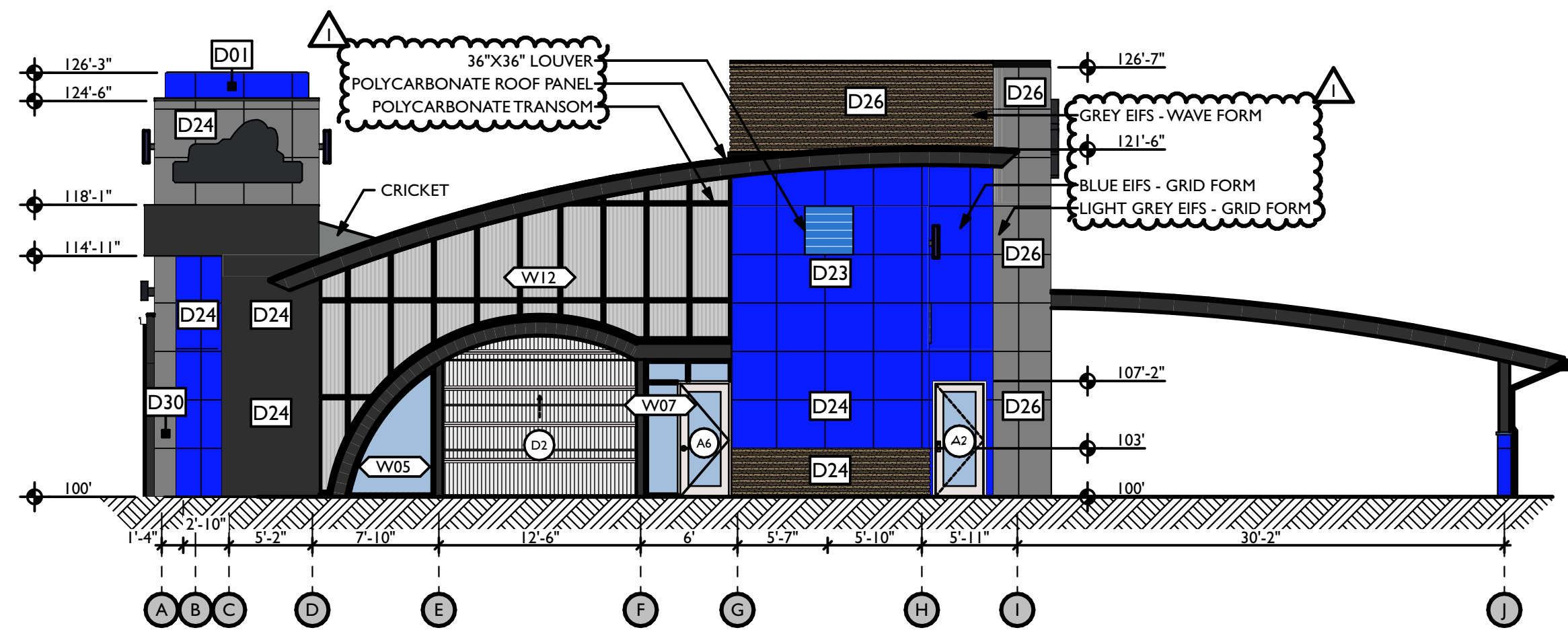
PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET:
MV-3.2
ENLARGED PLANS



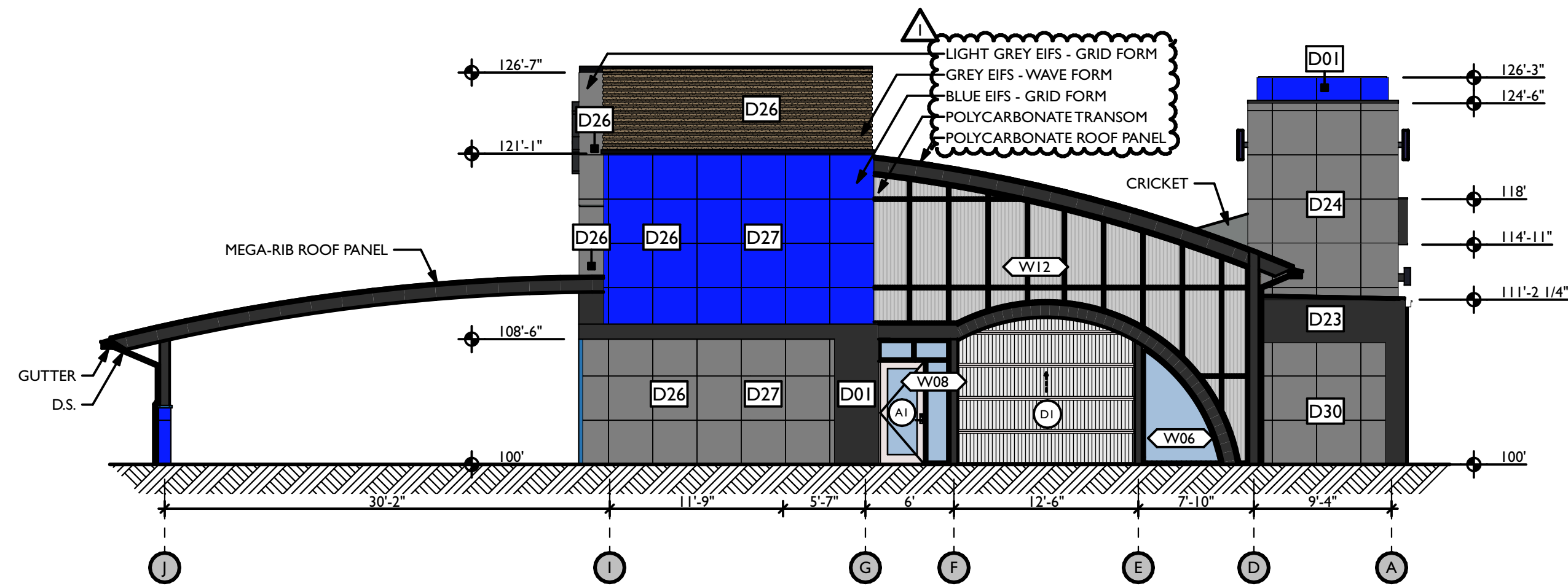
A ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



G ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"



K ELEVATION - WEST
SCALE: 1/8" = 1'-0"



M ELEVATION - EAST
SCALE: 1/8" = 1'-0"

NOTE: EIFS GRID SPACING IN ELEVATIONS IS GENERIC. SEE EIFS LAYOUT FOR FINAL PANEL PLACEMENT & SPACING.

MATERIAL SCHEDULE

LIGHT GREY EIFS - GRID FORM (PANTONE 2330C)
BLUE EIFS - GRID FORM (PANTONE 2144C)
GREY EIFS - WAVE FORM (PANTONE 2330C)
BLACK EIFS - GRID FORM
BLUE POLYCARBONATE ROOF
TRANSLUCENT POLYCARBONATE
GLASS

REVISIONS

ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT
1	06/09/2023	DRAWING/TRENCH UPDATE

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. AND WILL BE CONSIDERED A VIOLATION OF THE COPYRIGHT. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, MO



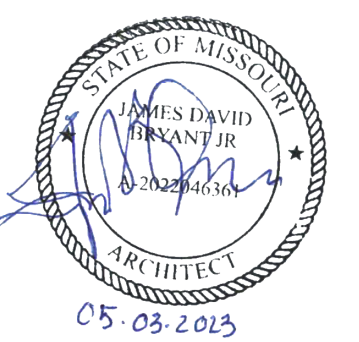
MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

MODEL: AXIOM BETA
RETAIL TOWER
2023

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

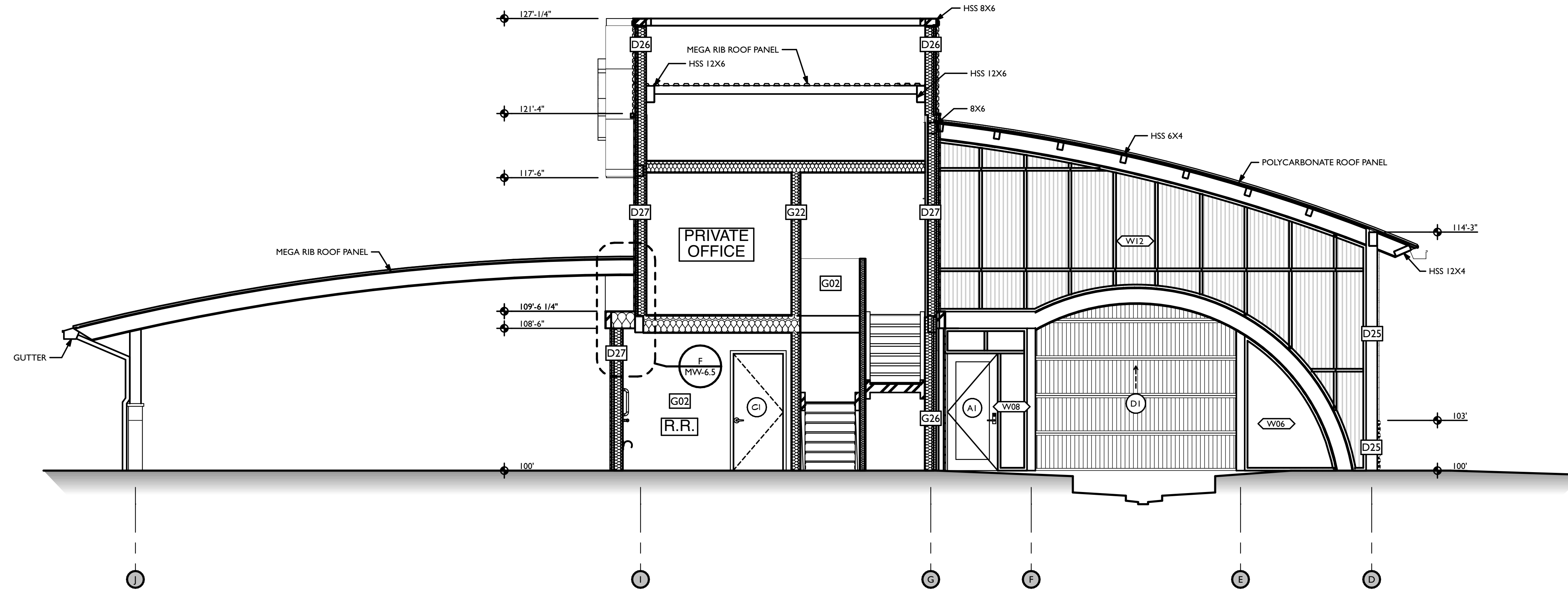


PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

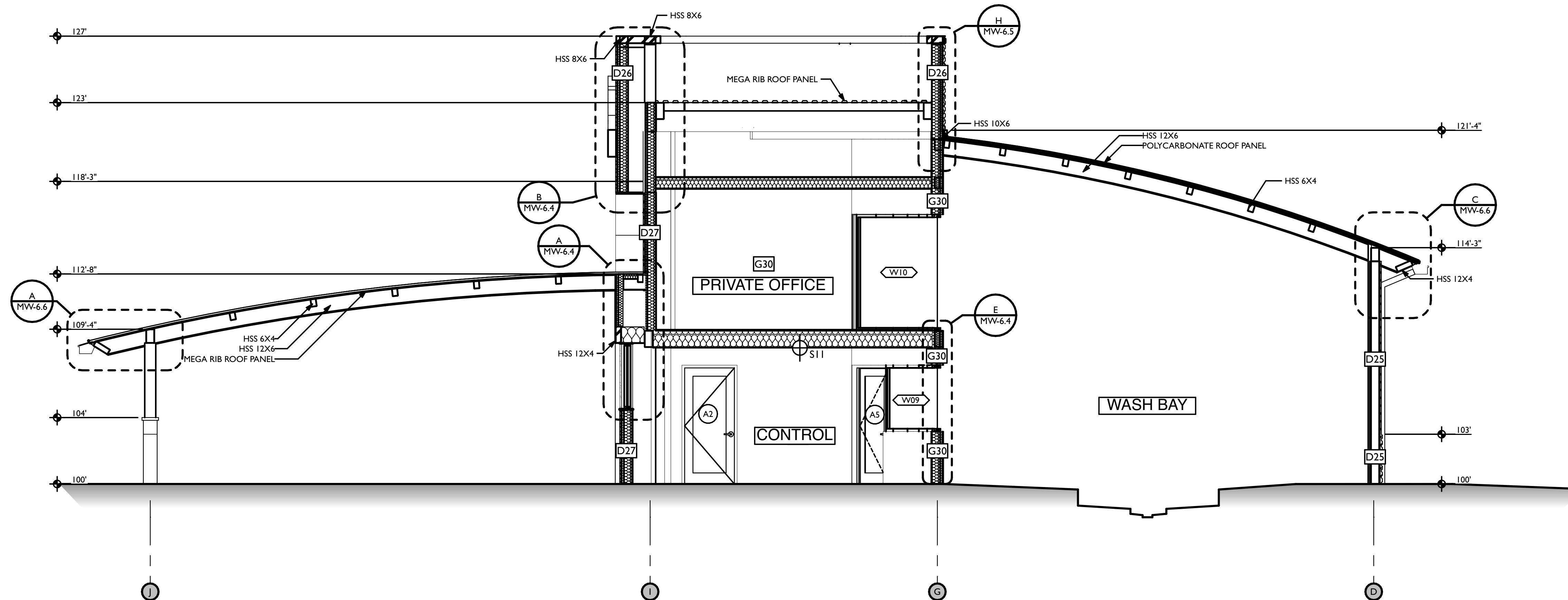
SHEET:

MW-4.1

ELEVATIONS



A SECTION - WASH BAY / CONTROL TOWER
SCALE: 1/4" = 1'-0"



K SECTION - WASH BAY / CONTROL TOWER
SCALE: 1/4" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN, DRAWINGS, AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. MODERNWASH INC. AND ITS SUBSIDIARIES SHALL BE RESPONSIBLE FOR ANY AND ALL RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, Andrew Lee's Summit, MO



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104
MODEL: AXIOM BETA
RETAIL TOWER
2023

NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

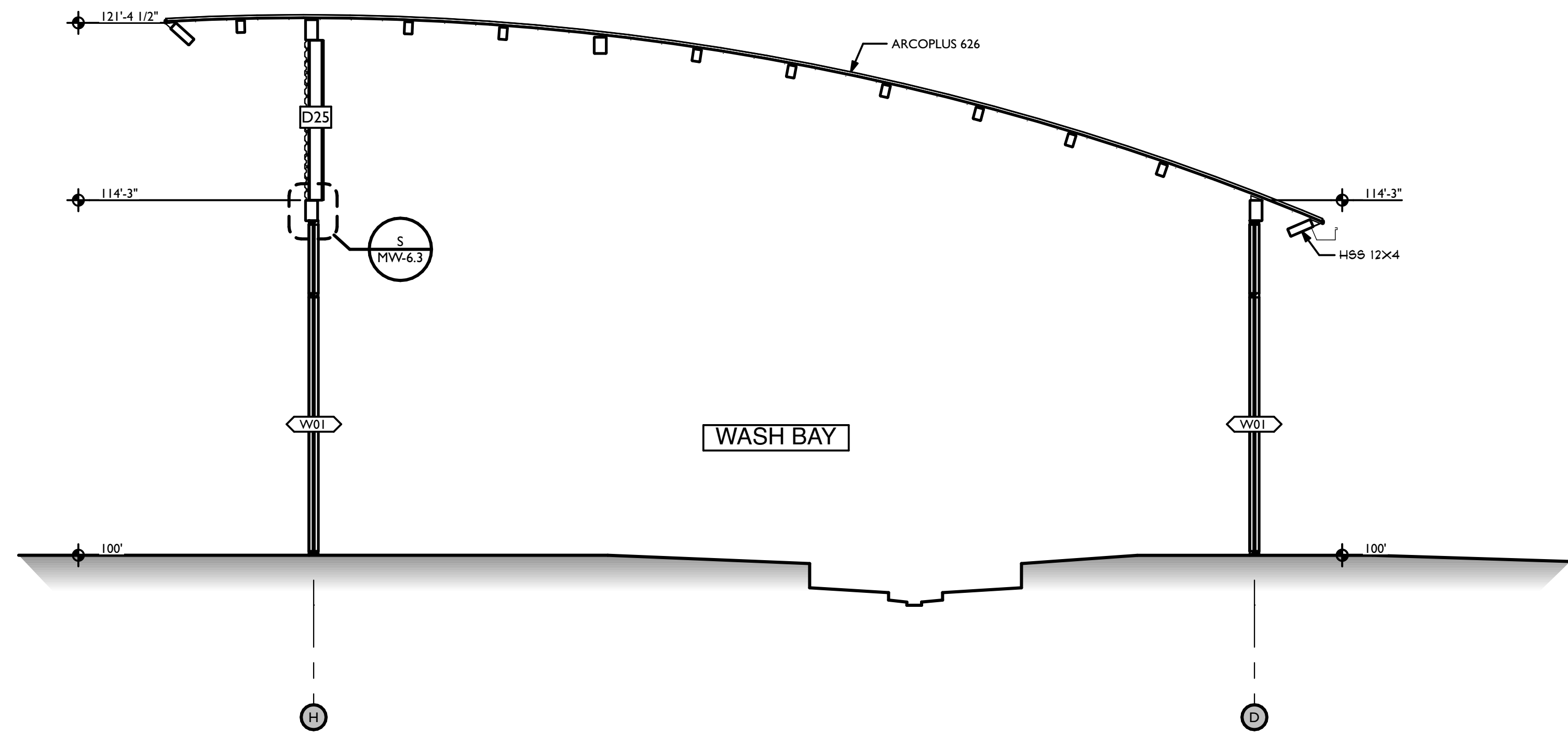


PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

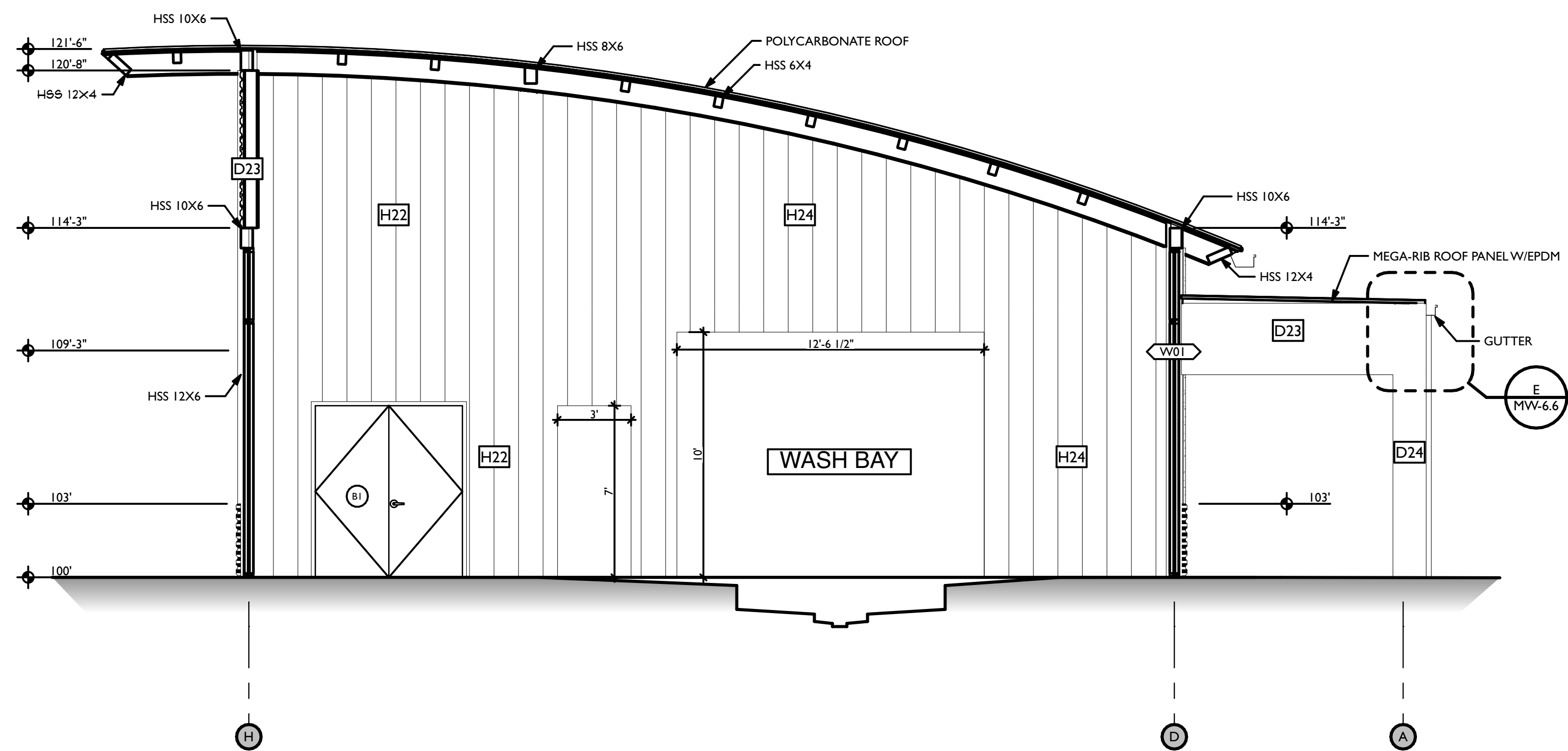
SHEET:

MV-5.1

SECTIONS



C SECTION - WASH BAY
SCALE: 1/4" = 1'-0"



M SECTION - WASH BAY FACING DIVISOR WALL
SCALE: 1/4" = 1'-0"

REVISIONS	
ID	DESCRIPTION
0	05/09/2023 FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.

COPYRIGHT: MODERNWASH 2023
2022-21, Andrew Lee's Summit, MO

MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

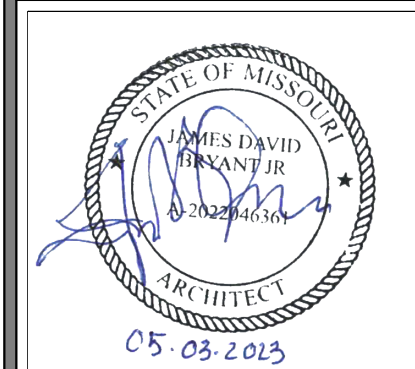
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

17 OF 39

NEW CAR WASH FOR:

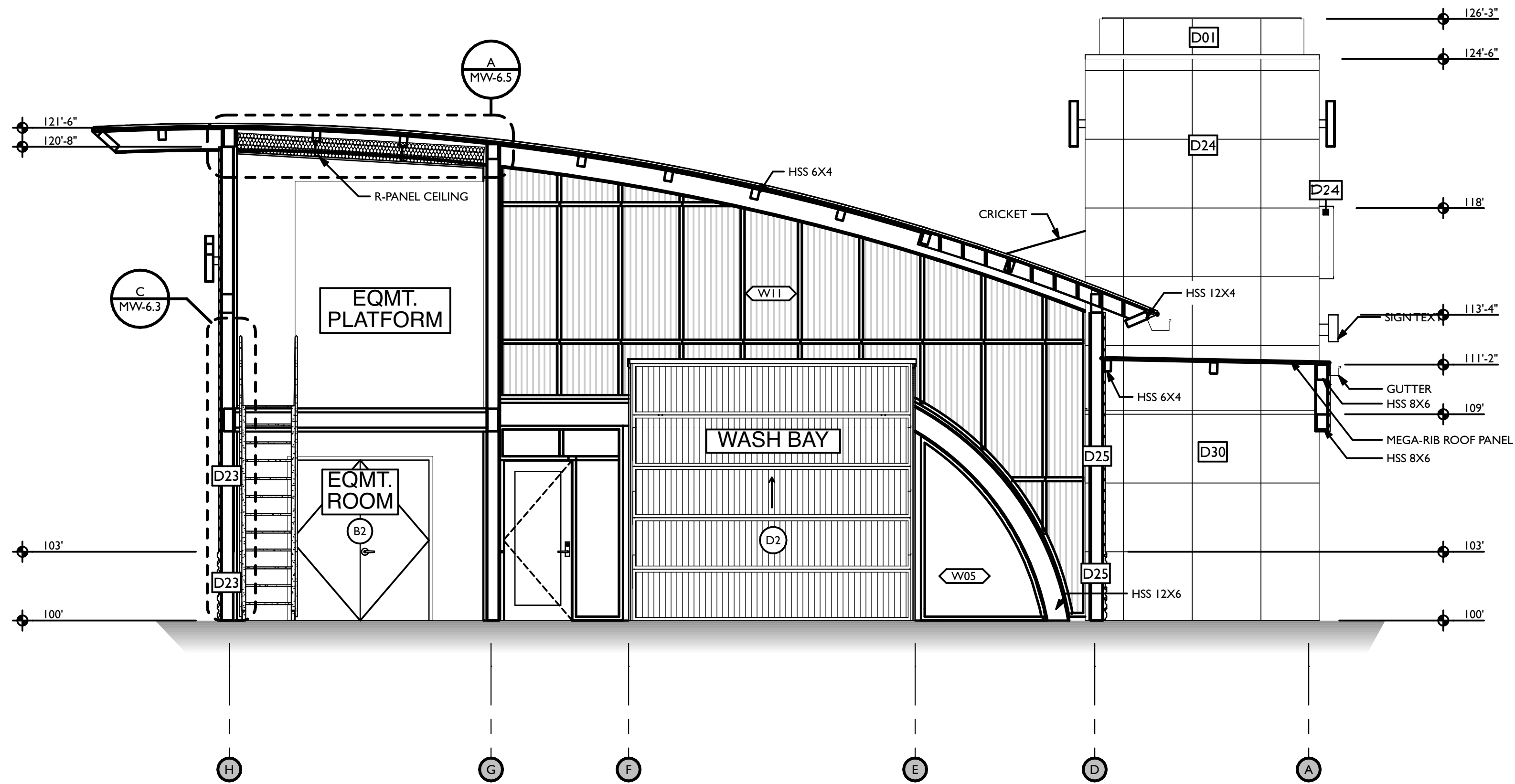
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

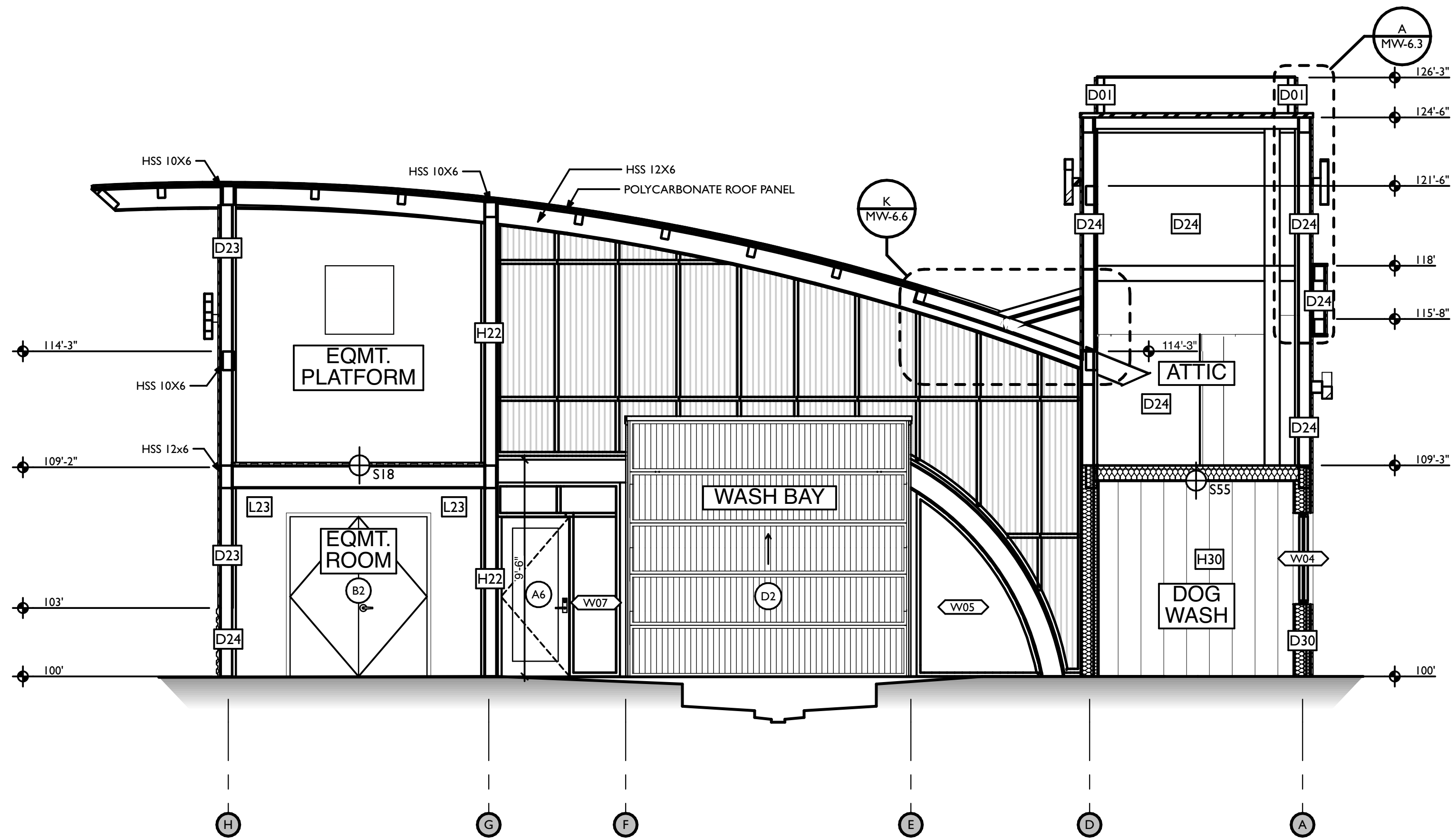


USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET: MW-5.2
SECTIONS



C SECTION - EQMT. ROOM / WASH BAY
SCALE: 1/4" = 1'-0"



H SECTION - EQMT. ROOM / WASH BAY / DOG WASH
SCALE: 1/4" = 1'-0"

REVISIONS

ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, Mo



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

MODEL: AXIOM BETA
RETAIL TOWER
2023

18 OF 39

NEW CAR WASH FOR:
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE
FOR MOST
CURRENT
PROJECT
DRAWINGS.

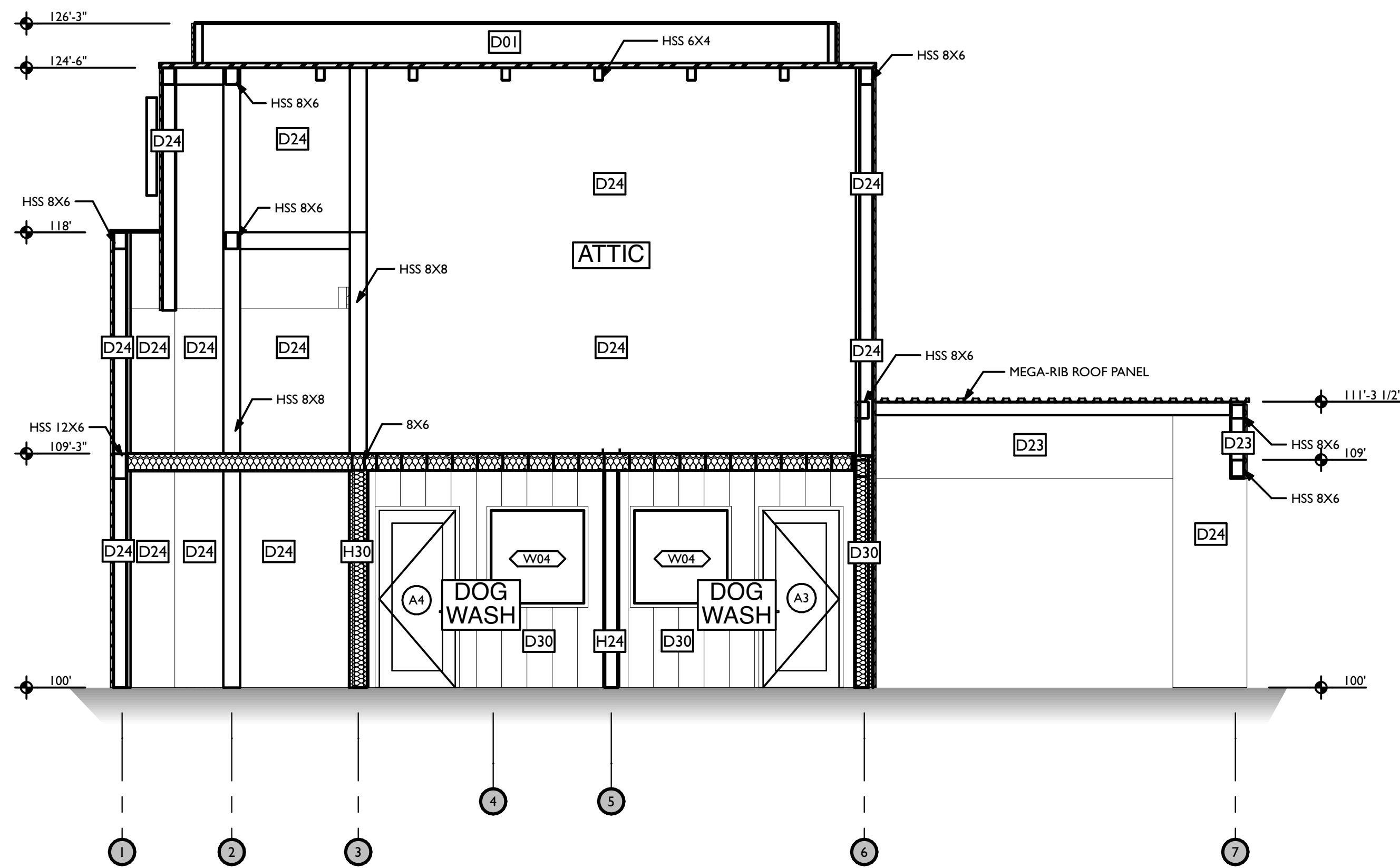


PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

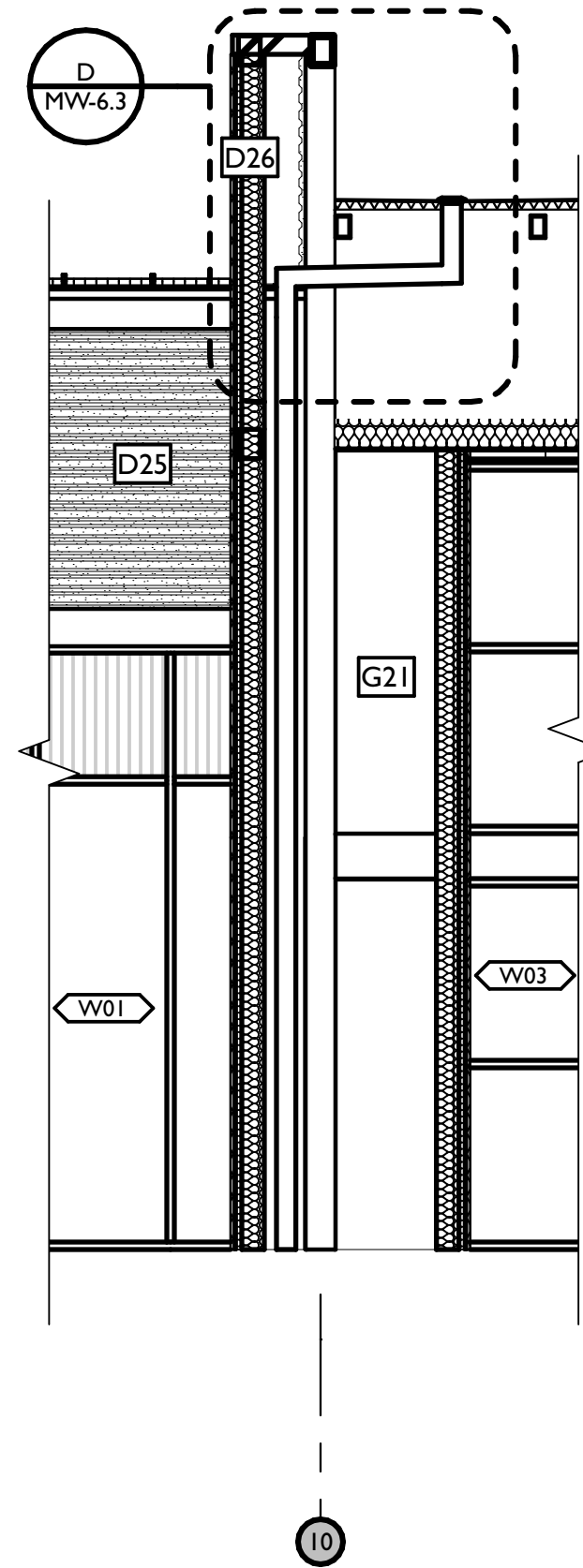
SHEET:

MV-5.3

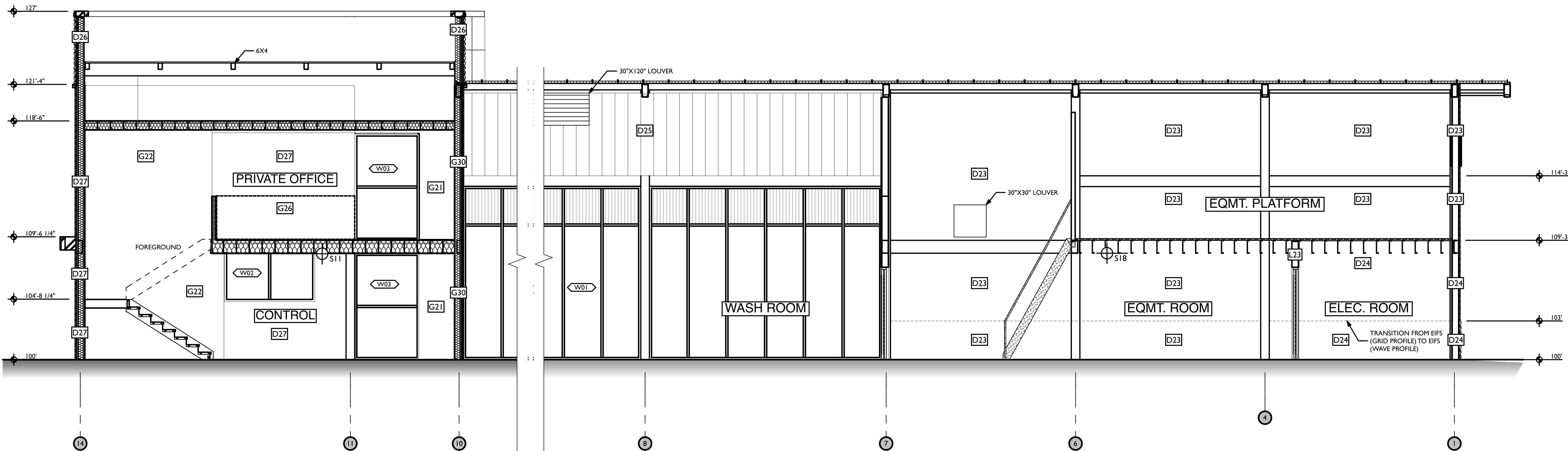
SECTIONS



A SECTION - CLOSET / DOG WASH
SCALE: 1/4" = 1'-0"



C SECTION DETAIL - CTRL. TOWER BUMP OUT
SCALE: 1/4" = 1'-0"



K SECTION - CTRL. ROOM / WASH BAY / EQMT. ROOM
SCALE: 1/4" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, Andrew Lee's Summer Intern



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

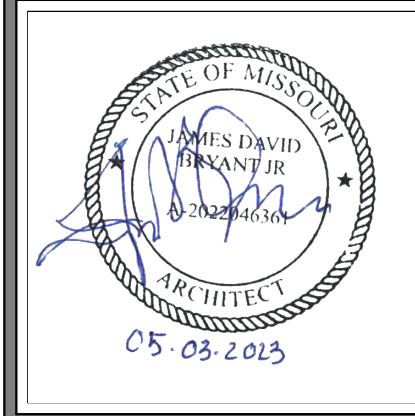
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

19 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SETHOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.



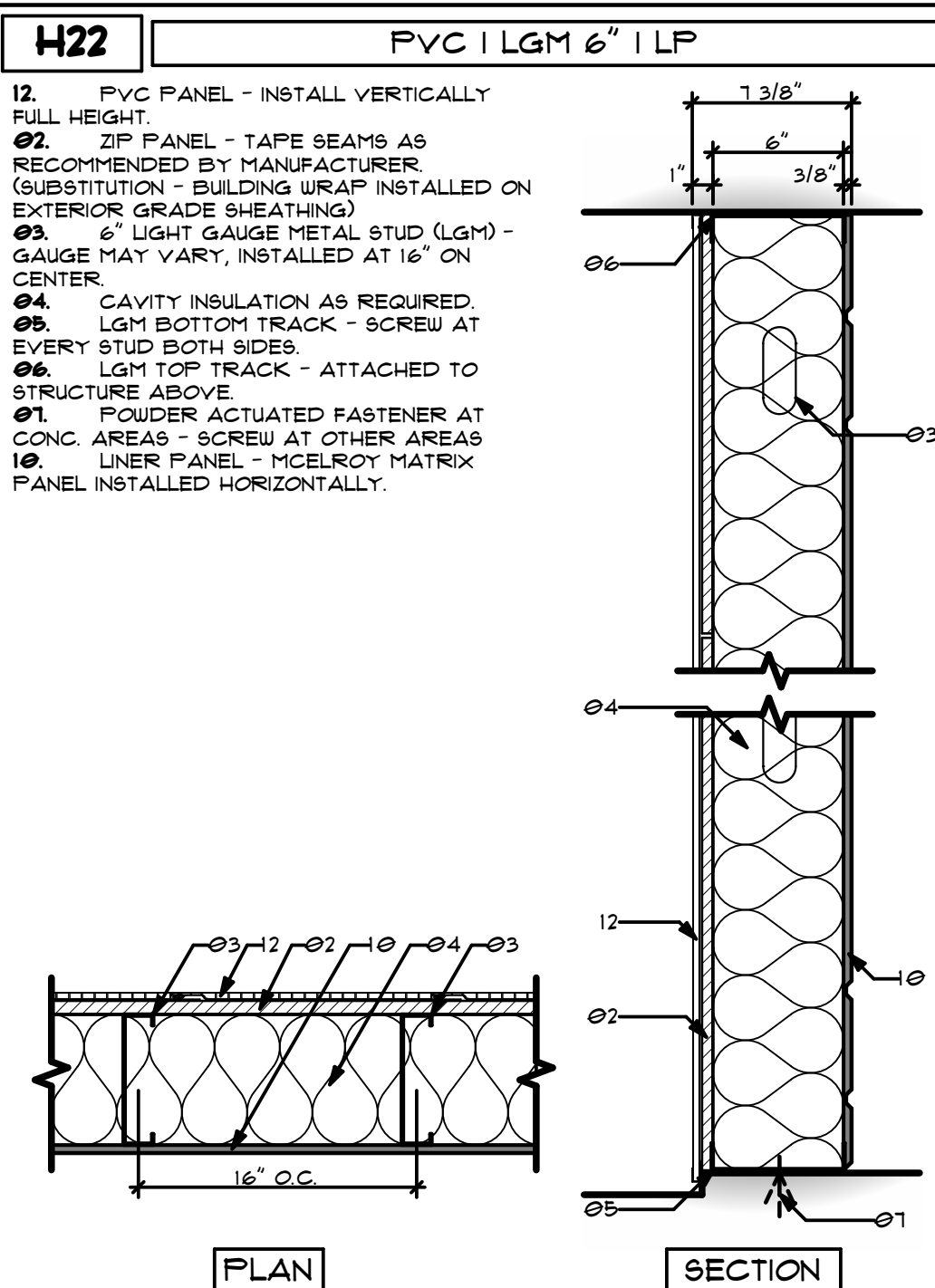
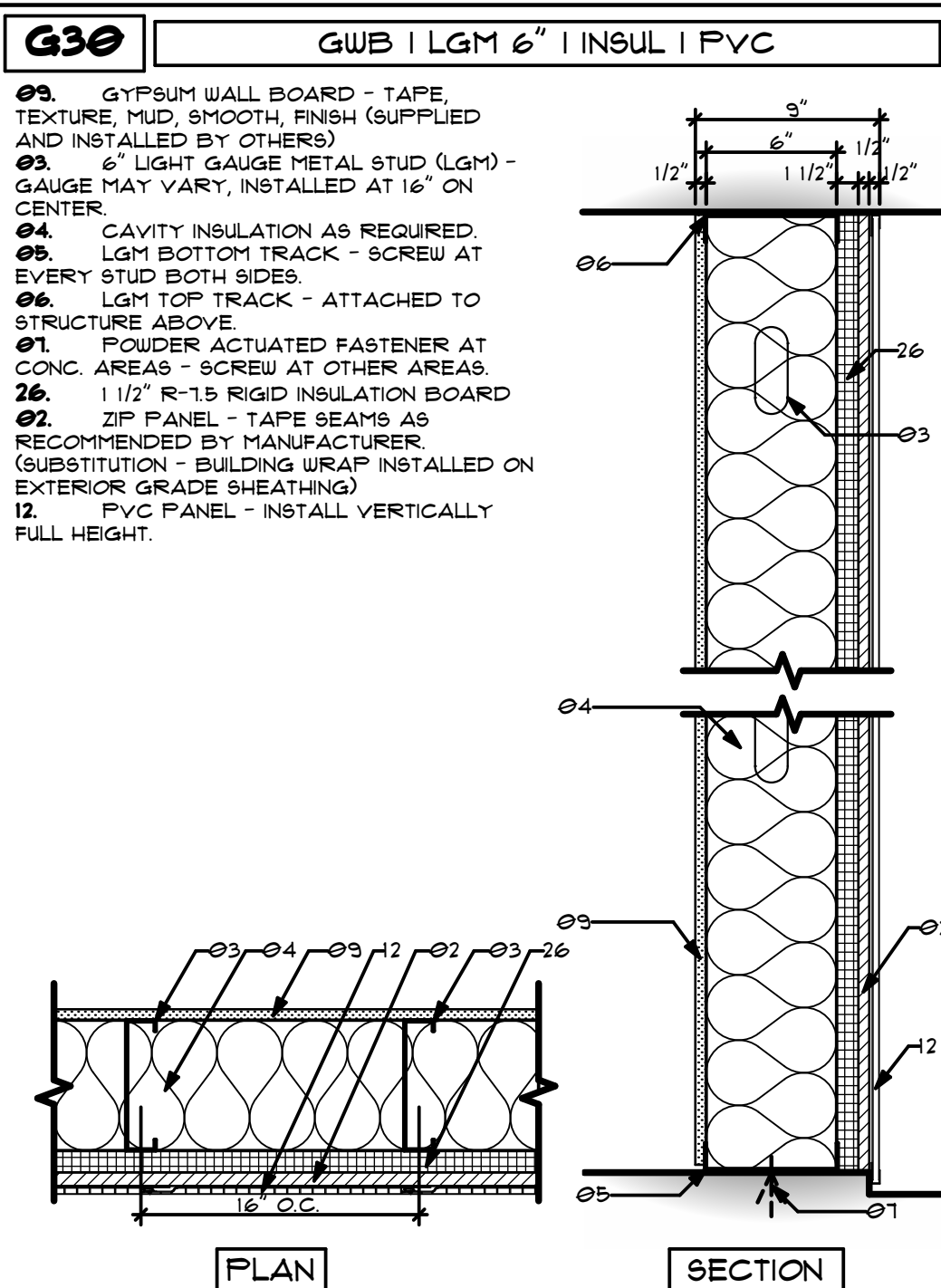
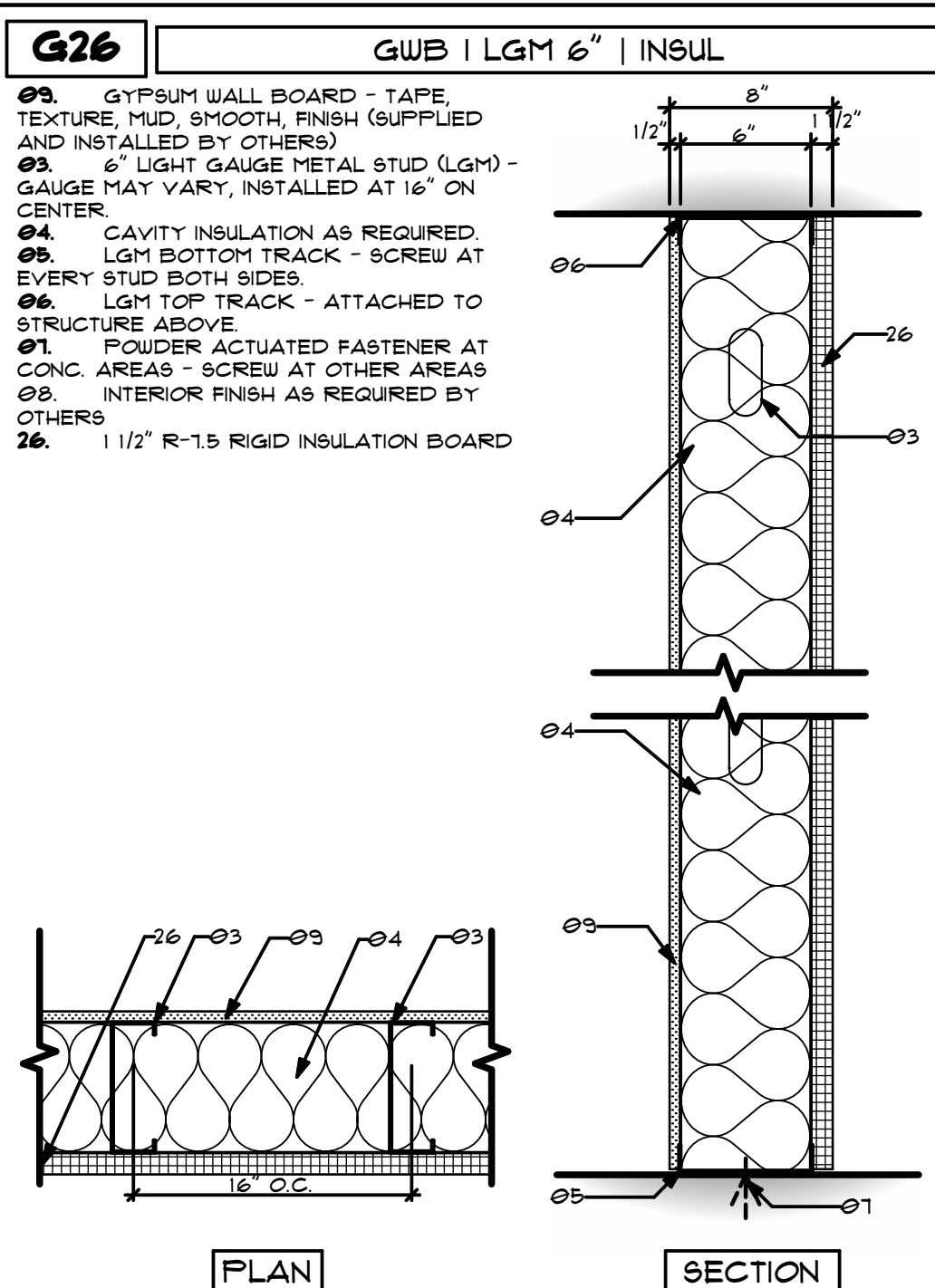
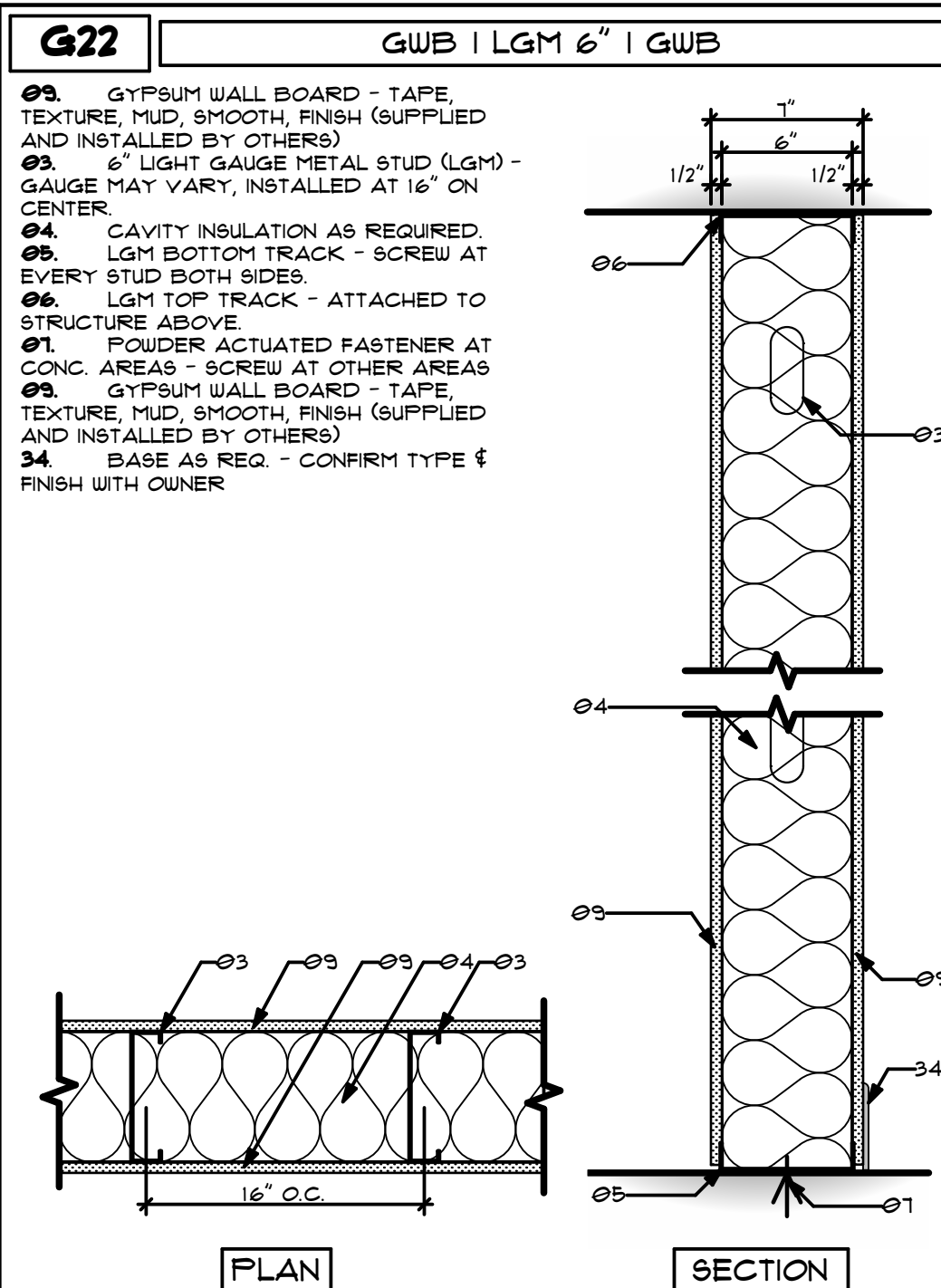
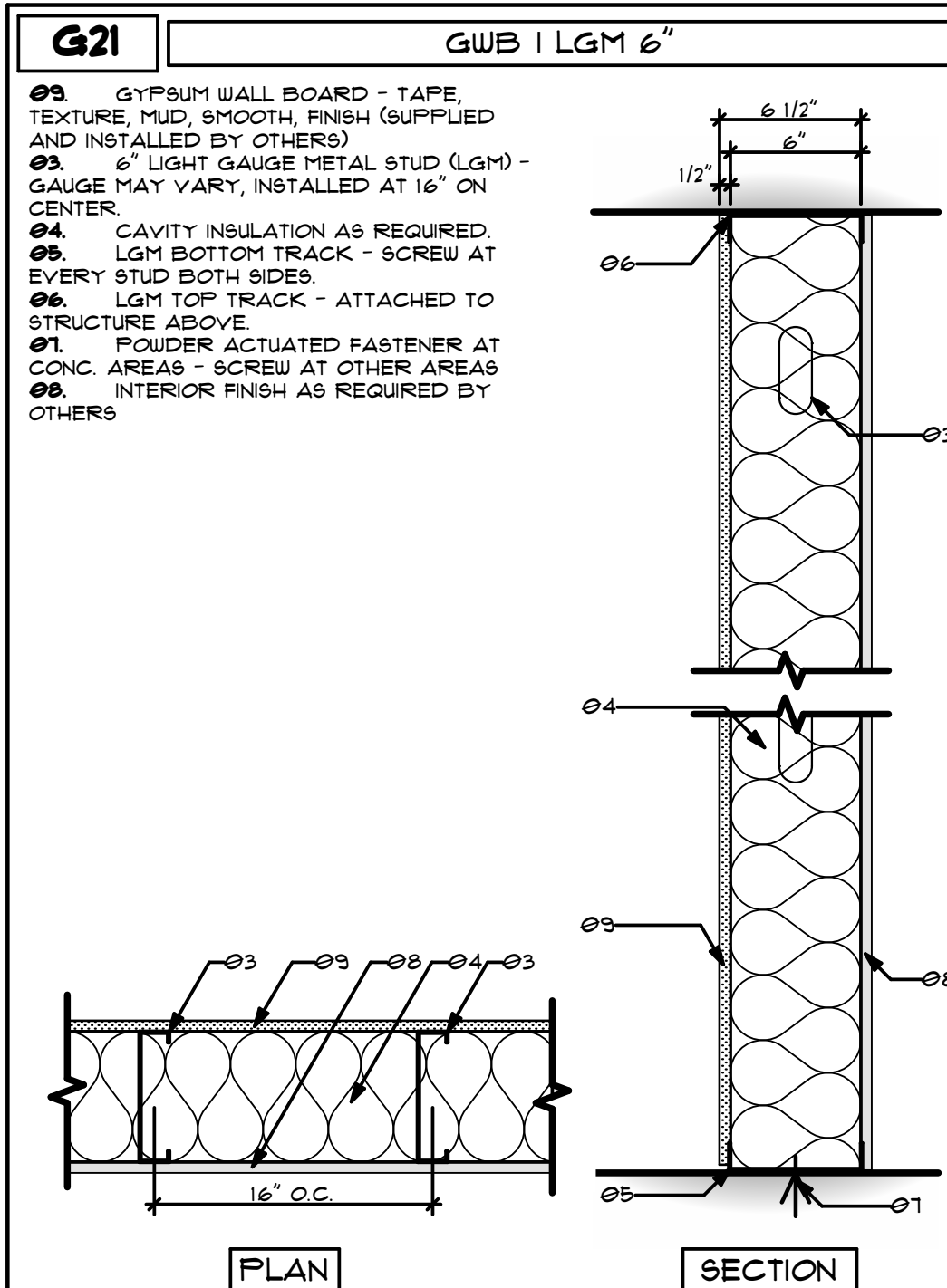
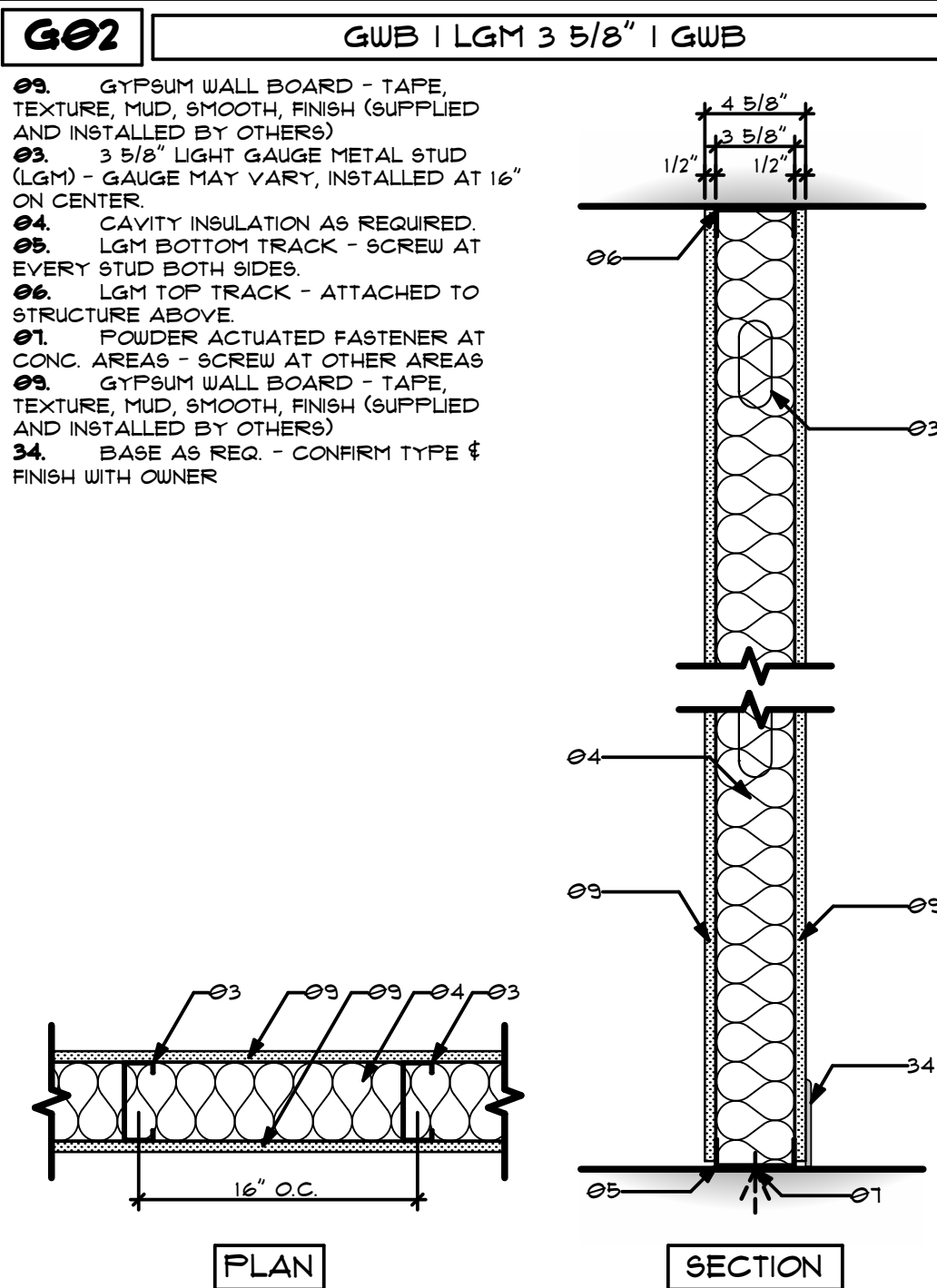
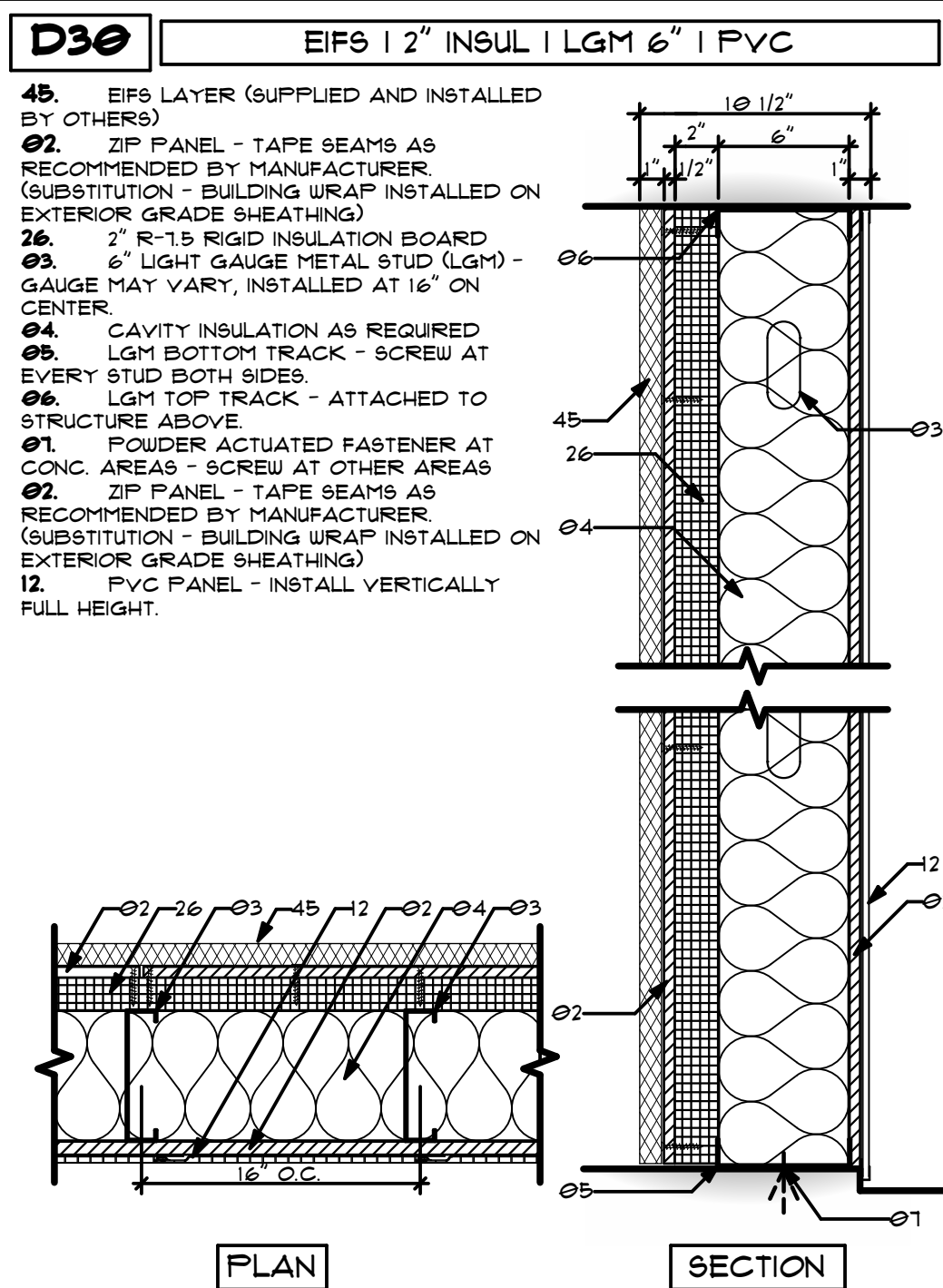
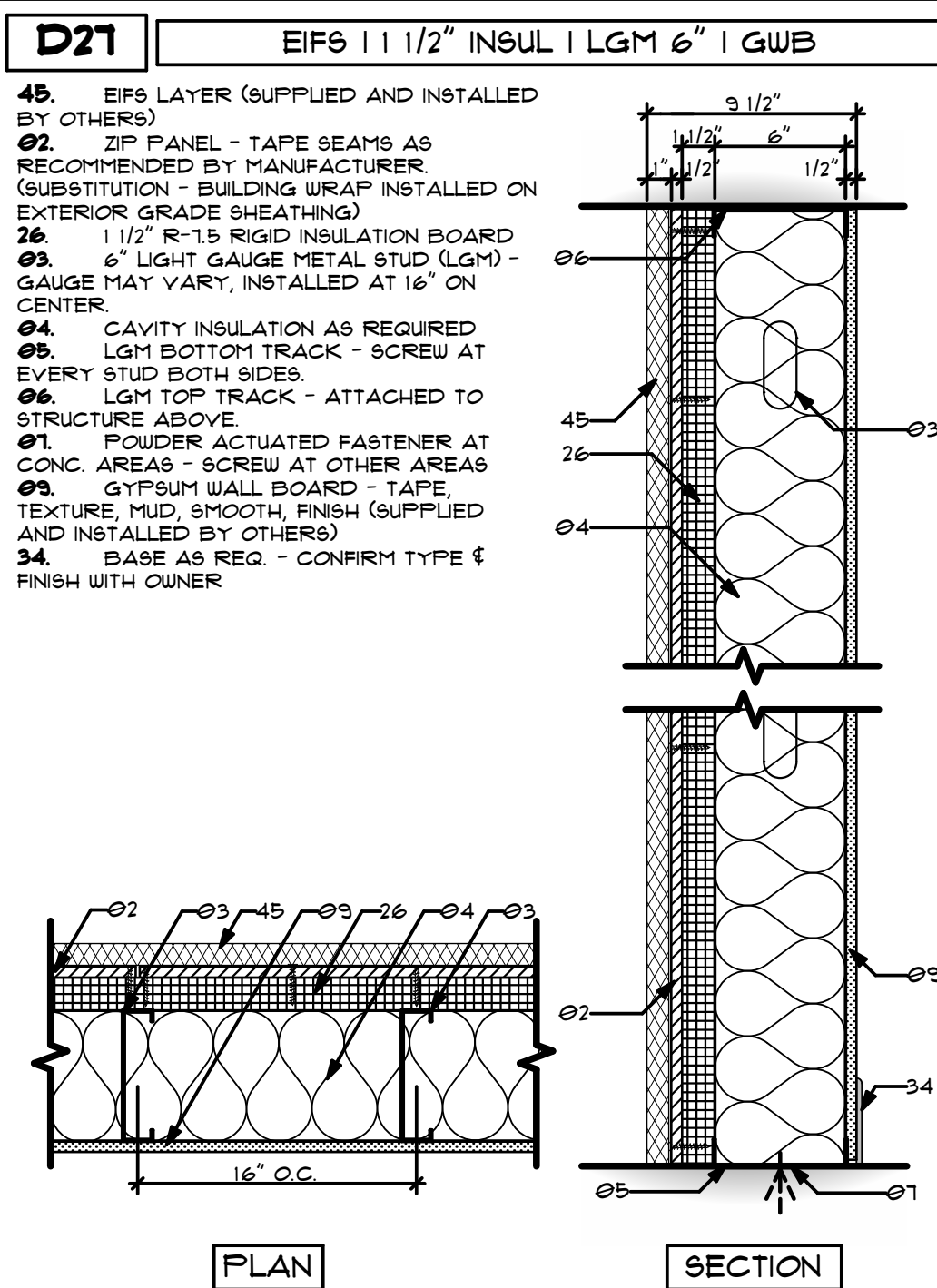
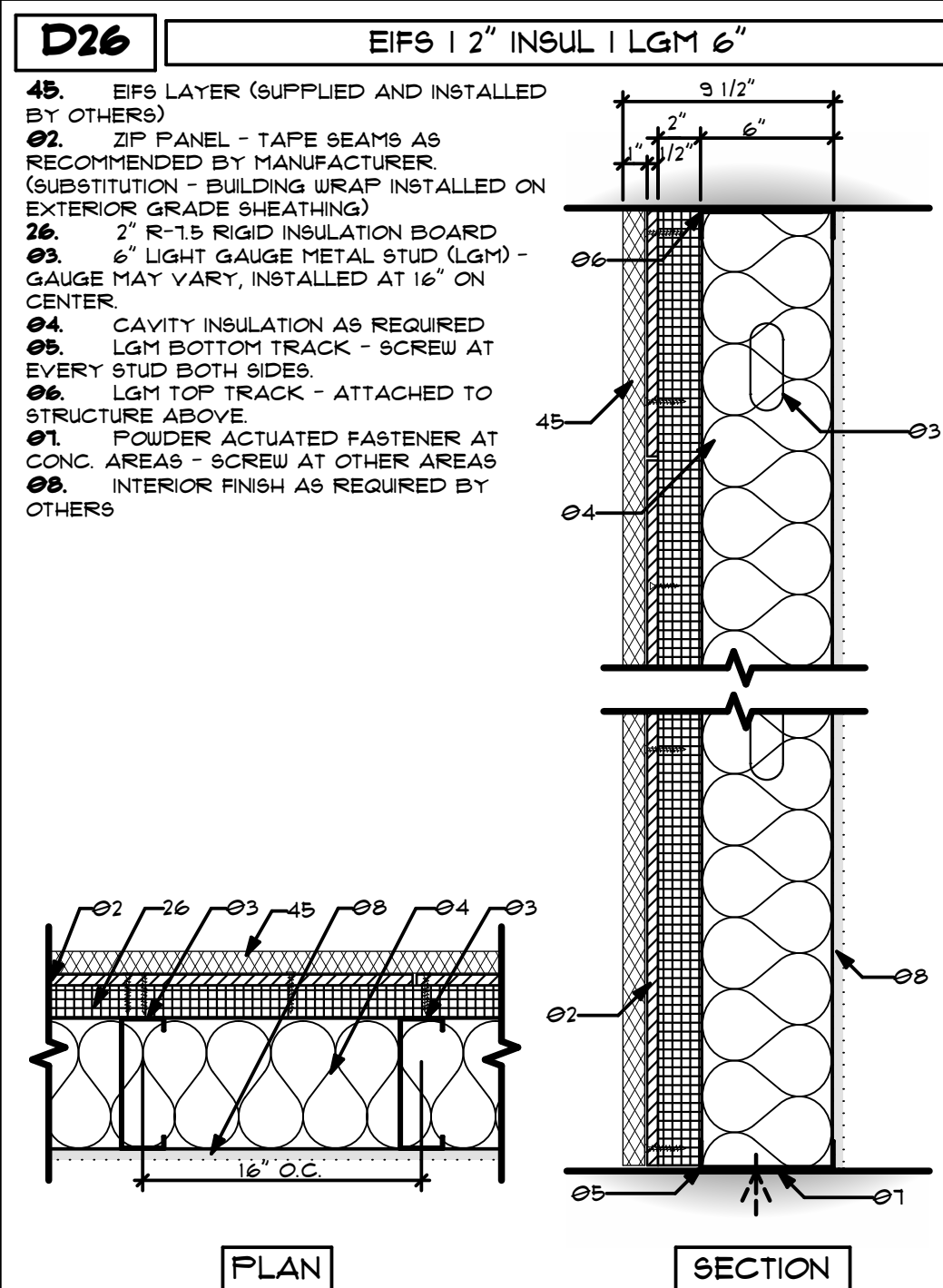
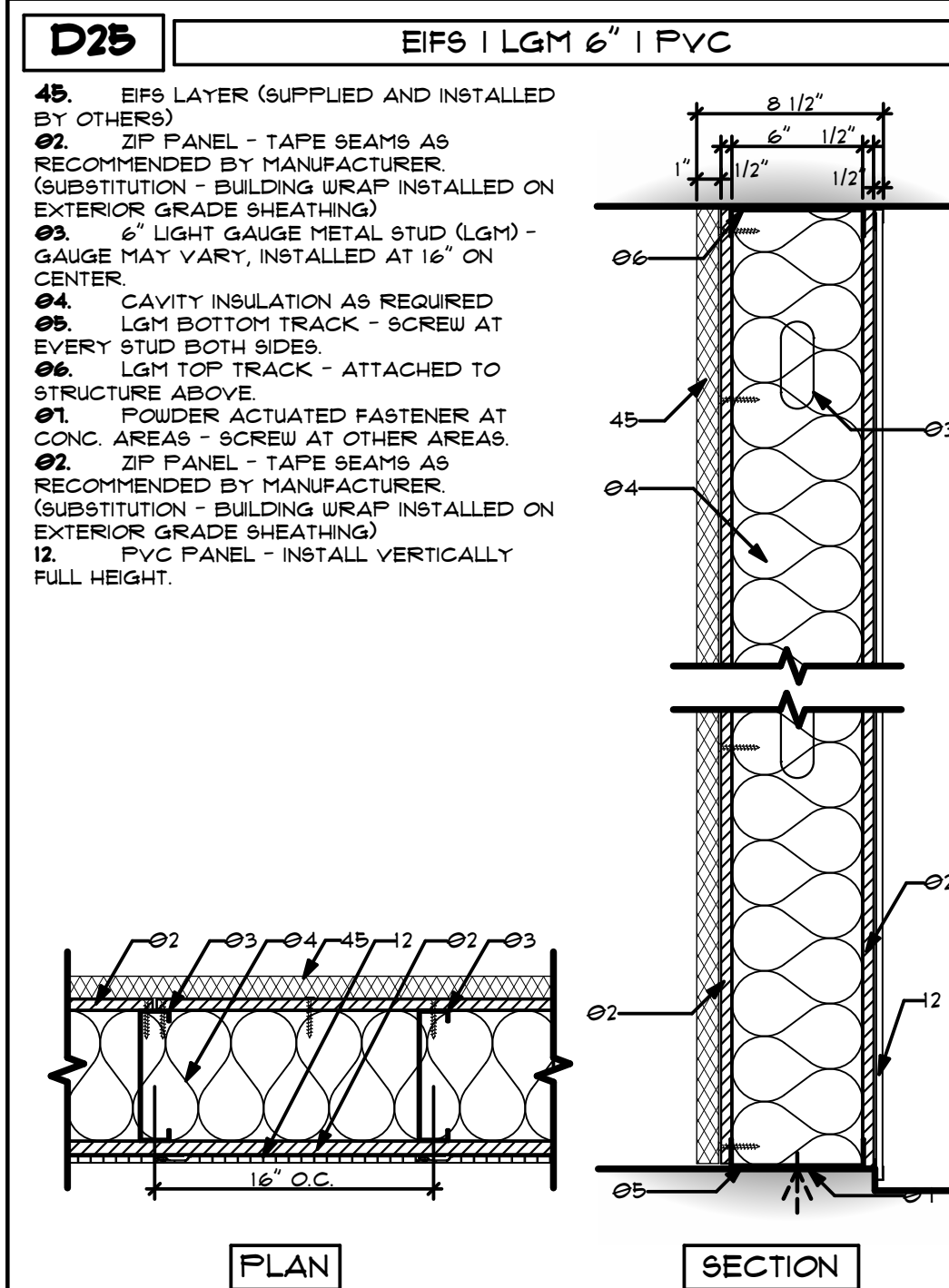
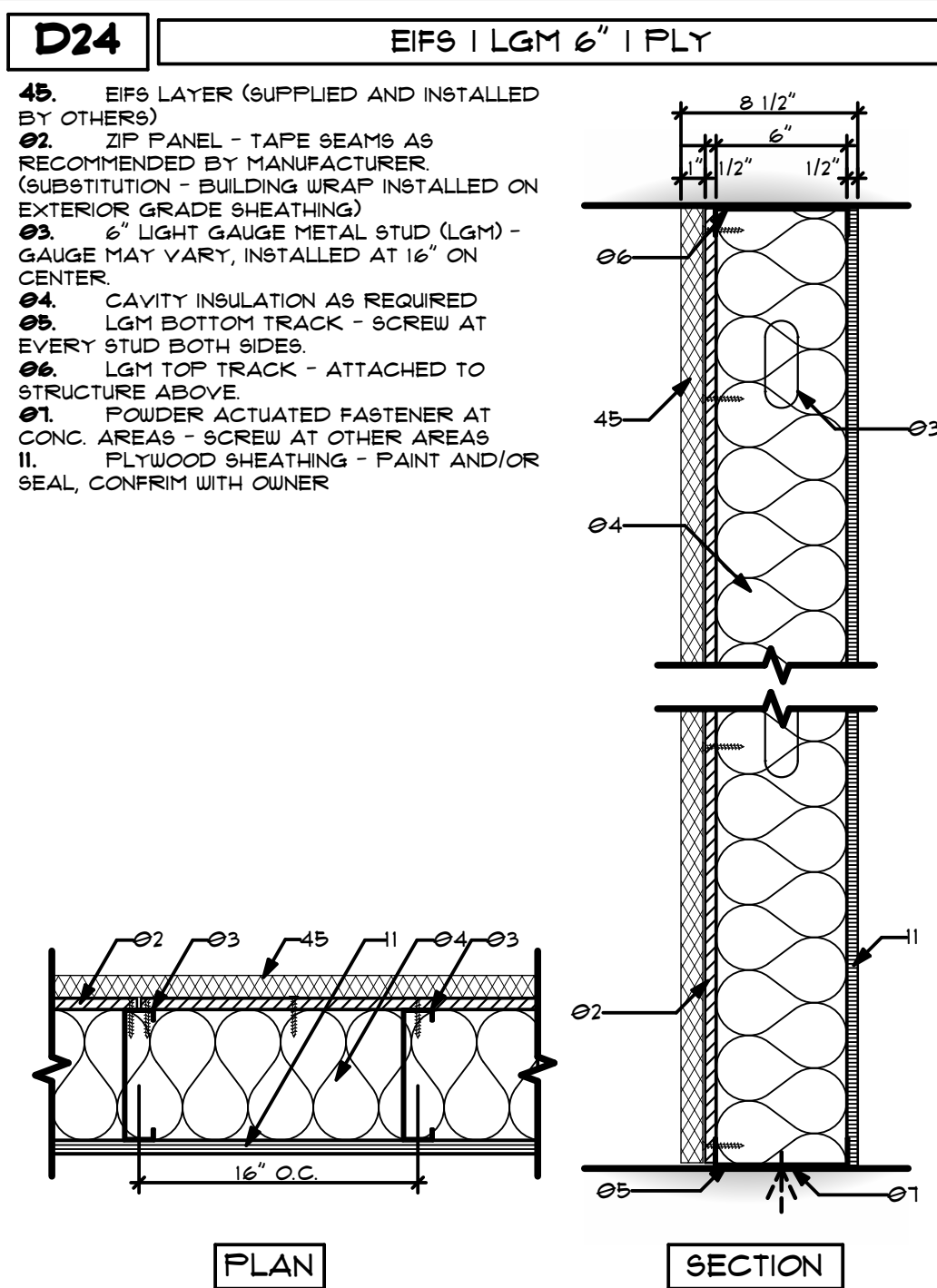
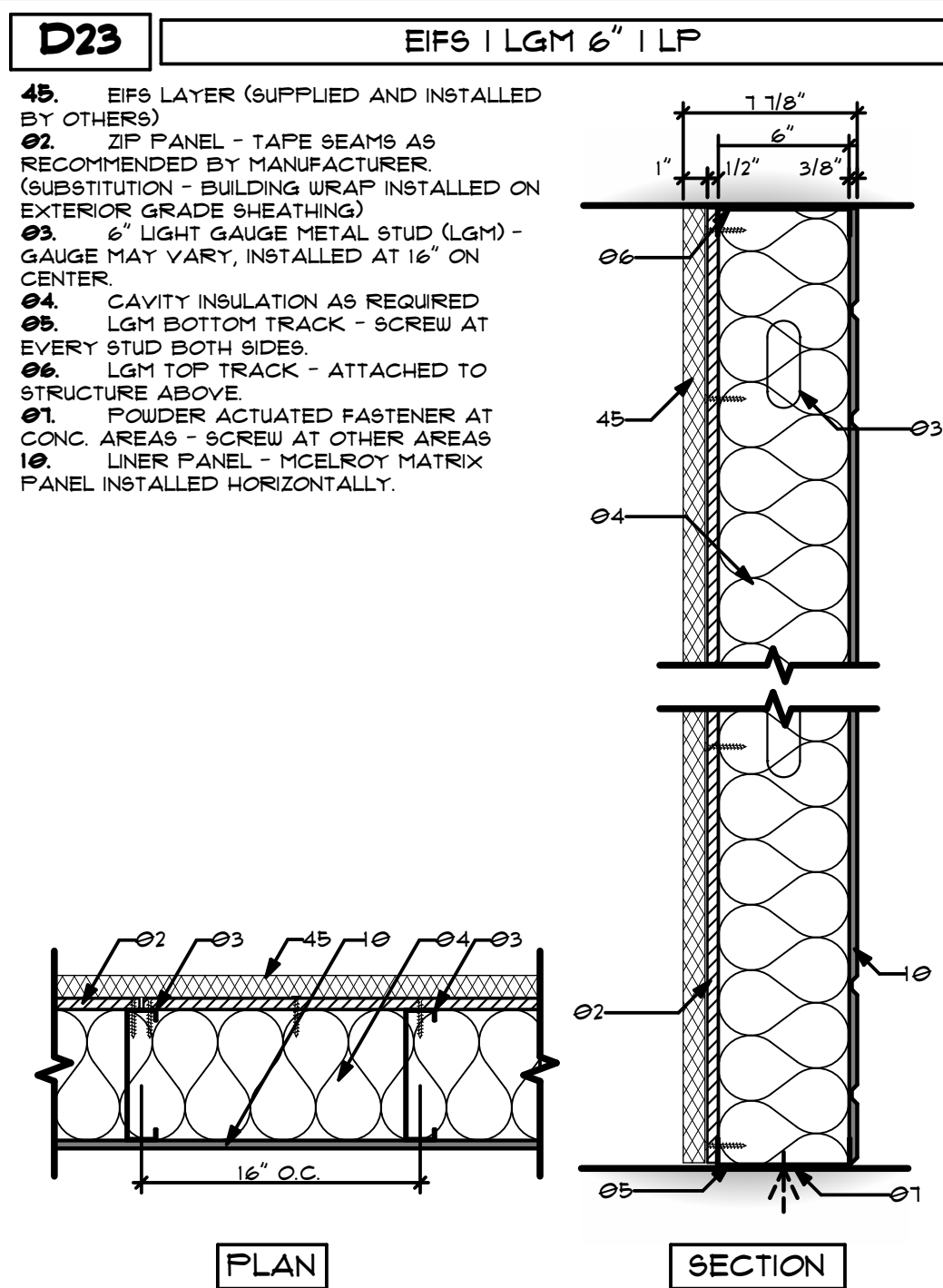
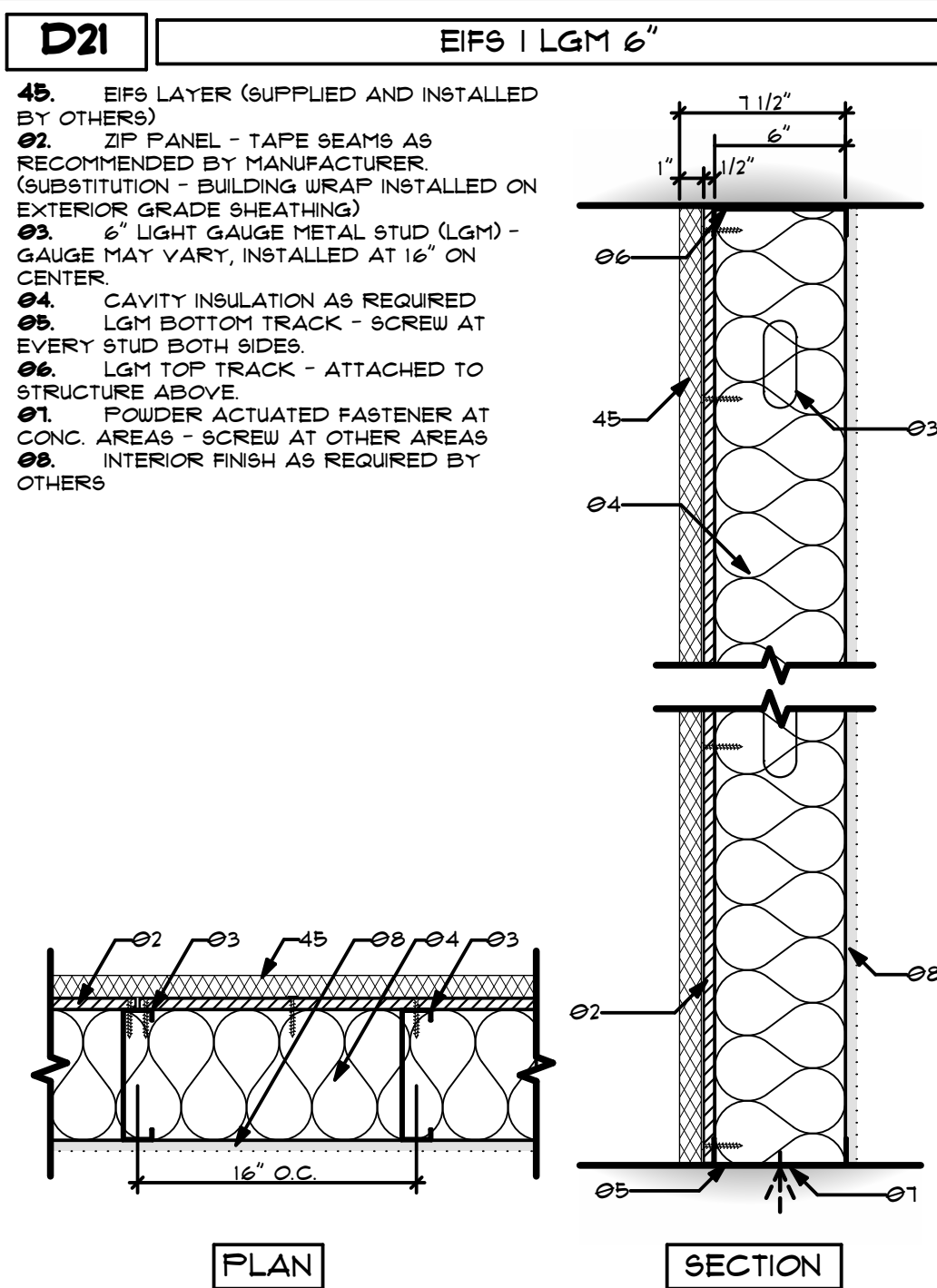
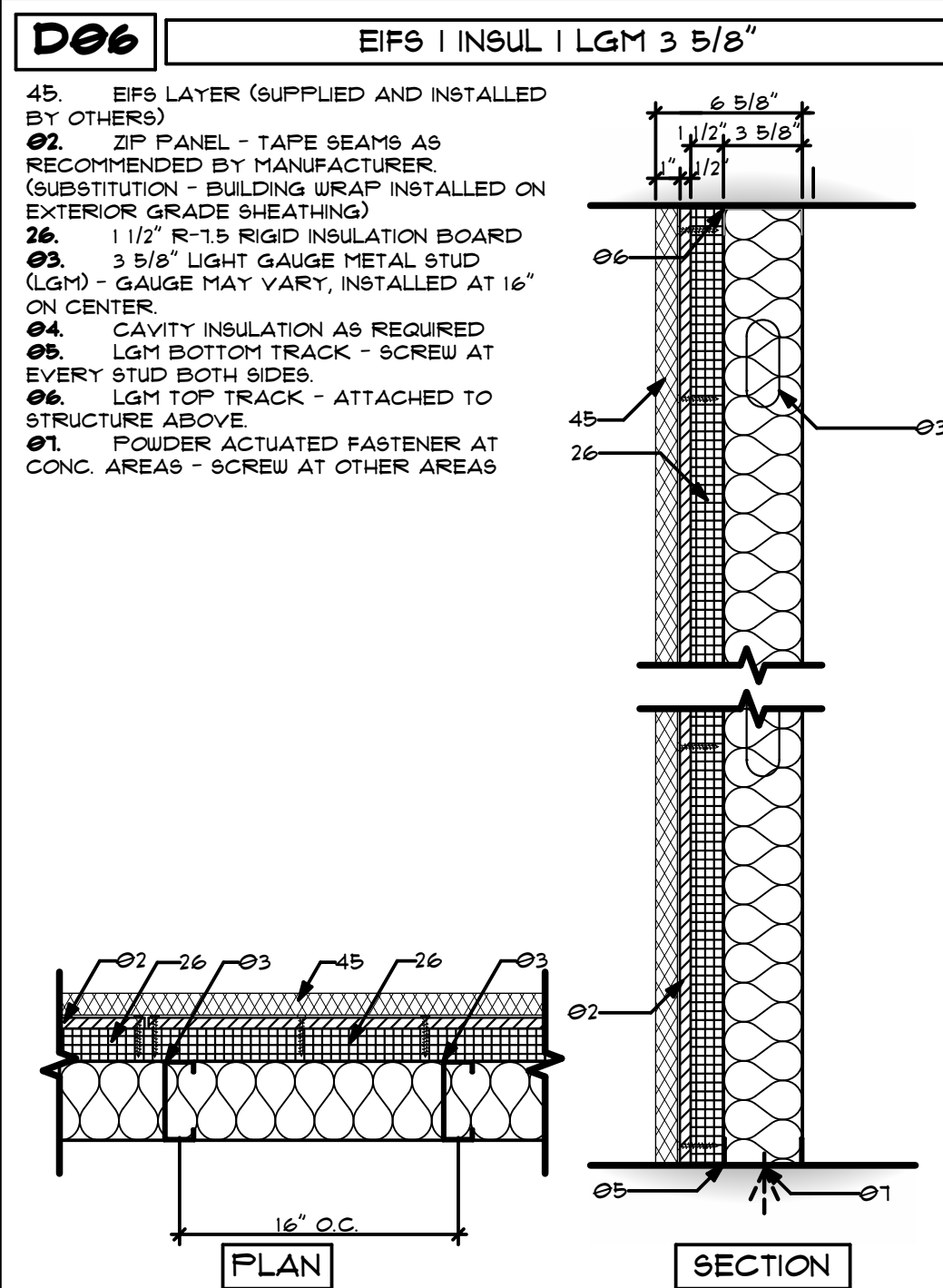
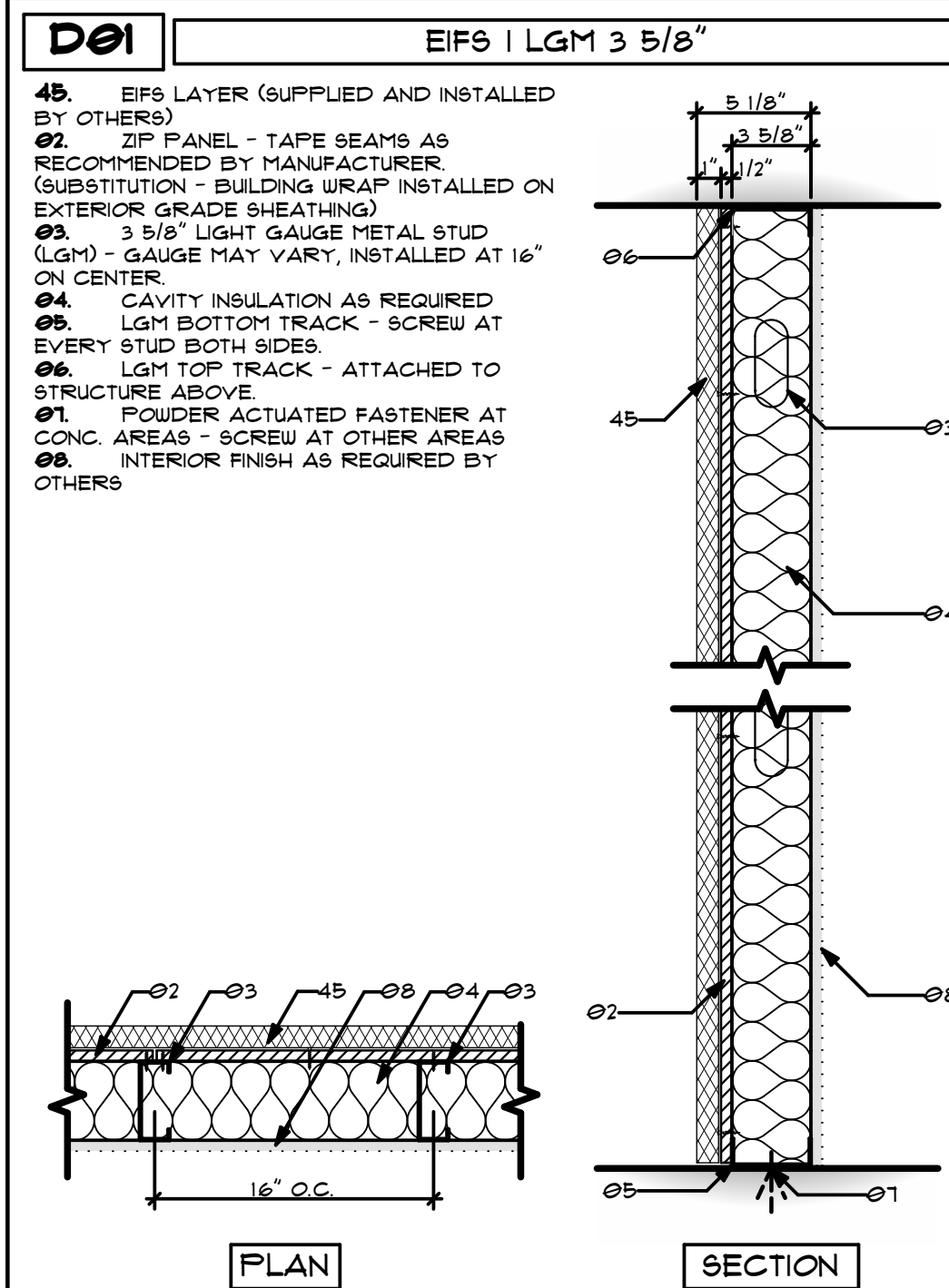
PRELIMINARY

PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET:

MW-5.4

SECTIONS



WALL/FLOOR TYPES GENERAL NOTES:

ERECTION AND INSTALLATION BY OTHERS

- NOT ALL NOTES LISTED BELOW APPLY TO EVERY PROJECT.
- NOT ALL WALL TYPES SHOWN MAY BE USED IN THIS PROJECT. CONFIRM TYPE WITH WALL TYPE SYMBOLS ON PLANS AND SECTIONS.
 - ALL FULL HEIGHT LIGHT GAUGE METAL STUD FRAMING SHALL BE BRACED TO THE ROOF STRUCTURE AND SHALL NOT BE FASTENED IN ANY WAY TO THE ROOF PANELS OR DECK.
 - SEE FLOOR PLAN AND SECTION WALL TYPE SYMBOLS FOR WALL LOCATIONS, HEIGHTS, AND ADDITIONAL INFORMATION.
 - TRACK GAUGE TO MATCH STUD GAUGE.
 - IF REQUIRED AND/OR INSTALLED, INSULATION IS TO BE CONTINUOUS FROM FLOOR TO DECK/CEILING ABOVE.
 - FRAMING CONTRACTOR SHALL PROVIDE SOLID BLOCKING CONCEALED IN WALLS AND ROUGH OPENINGS, AS REQUIRED, FOR MILLWORK, SUPPORT, GRAB BARS, CLOSET SHELVING/RODS, TOILET ACCESSORIES, ETC.
 - IF SUSPENDED CEILING IS USED, ALL NON-FULL HEIGHT INTERIOR PARTITIONS ARE TO BE BRACED TO CEILING/FLOOR OR ROOF STRUCTURE ABOVE.
 - ALL SHEATHING/SUBSTRATE IS TO BE INSTALLED BASED ON THE MANUFACTURERS RECOMMENDATIONS. CONFIRM EDGE SPACING WITH MANUFACTURERS SPECIFICATIONS.
 - 1/2" ZIP PANEL IS SHOWN AS SHEATHING ON ALL WALL TYPES AS REQUIRED. THICKNESS AND TYPE OF SHEATHING MAY BE SUBSTITUTED BASED ON LOCAL BUILDING CODES (CONFORM WITH ARCHITECT PRIOR TO MODIFICATION).
 - IF PLYWOOD OR ZIP SHEATHING IS SUBSTITUTED WITH ANOTHER SHEATHING PRODUCT, THEN THE CONTRACTOR IS RESPONSIBLE FOR THE POSSIBLE CHANGE OR MODIFICATION OF THE FINISH MATERIAL ATTACHMENT TO THE SUBSTRATE.
 - ZIP PANELS CONTAIN A BUILT-IN VAPOR BARRIER. INSTALL, TAPE, AND SEAL BASED ON MANUFACTURERS INSTALLATION GUIDE AND SPECIFICATIONS.
 - EXTEND PVC PANEL DOWN FAST EDGE OF SLAB. 1" OR MORE RECOMMENDED. 4" MAX.
 - UNLESS OTHERWISE NOTED, ALL LGM WALL STUDS ARE TO BE 18 GA.
 - UNLESS OTHERWISE NOTED, ALL LGM FLOOR/CEILING JOISTS ARE TO BE 12 GA.
 - UNLESS OTHERWISE NOTED, ALL 12" FLOOR JOISTS ARE TO BE ATTACHED TO STEEL FRAME STRUCTURE USING SIMPSON JOIST HANGERS AND/OR BEAR ON A STRUCTURAL WALL.
 - UNLESS OTHERWISE NOTED OR DETAILED, ALL CEILING STRUCTURES ARE TO BE ATTACHED TO THE WALL STRUCTURE BY LIGHT TRACK AND THE AREA ABOVE IS NOT INTENDED FOR STORAGE OR OCCUPIED SPACE.

REVISIONS

DATE

ID

DESCRIPTION

FOR PERMIT

05/03/2023

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

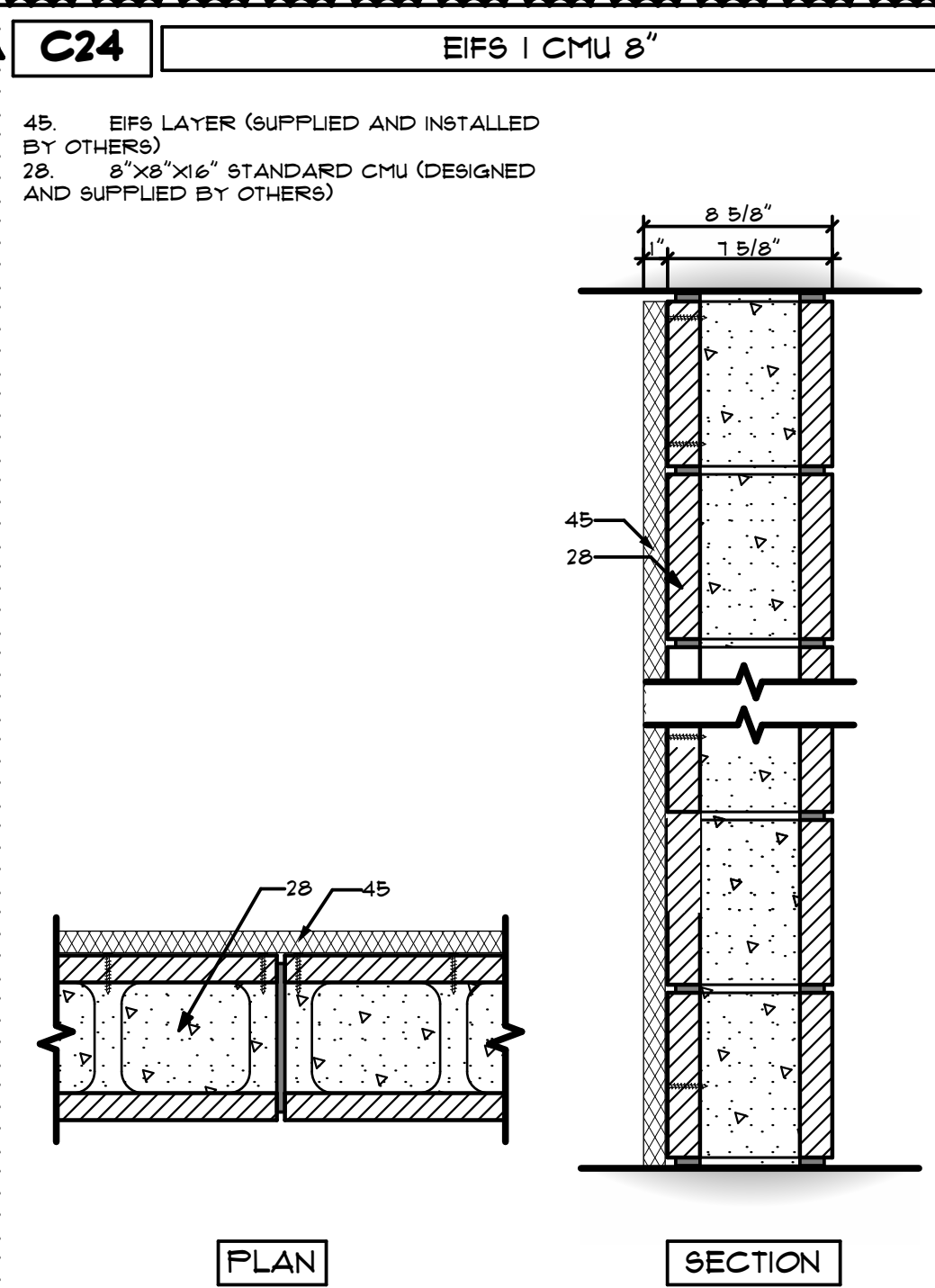
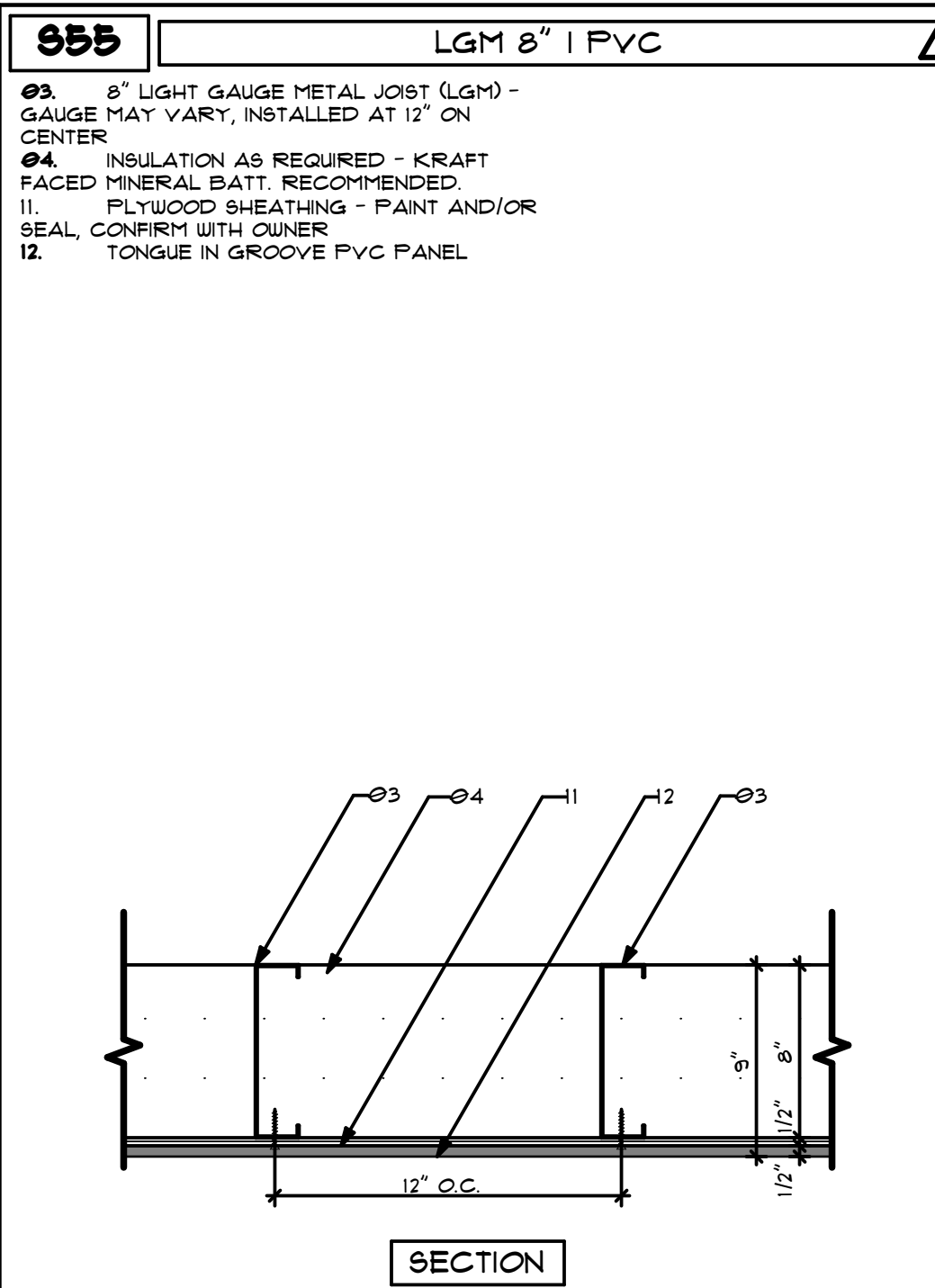
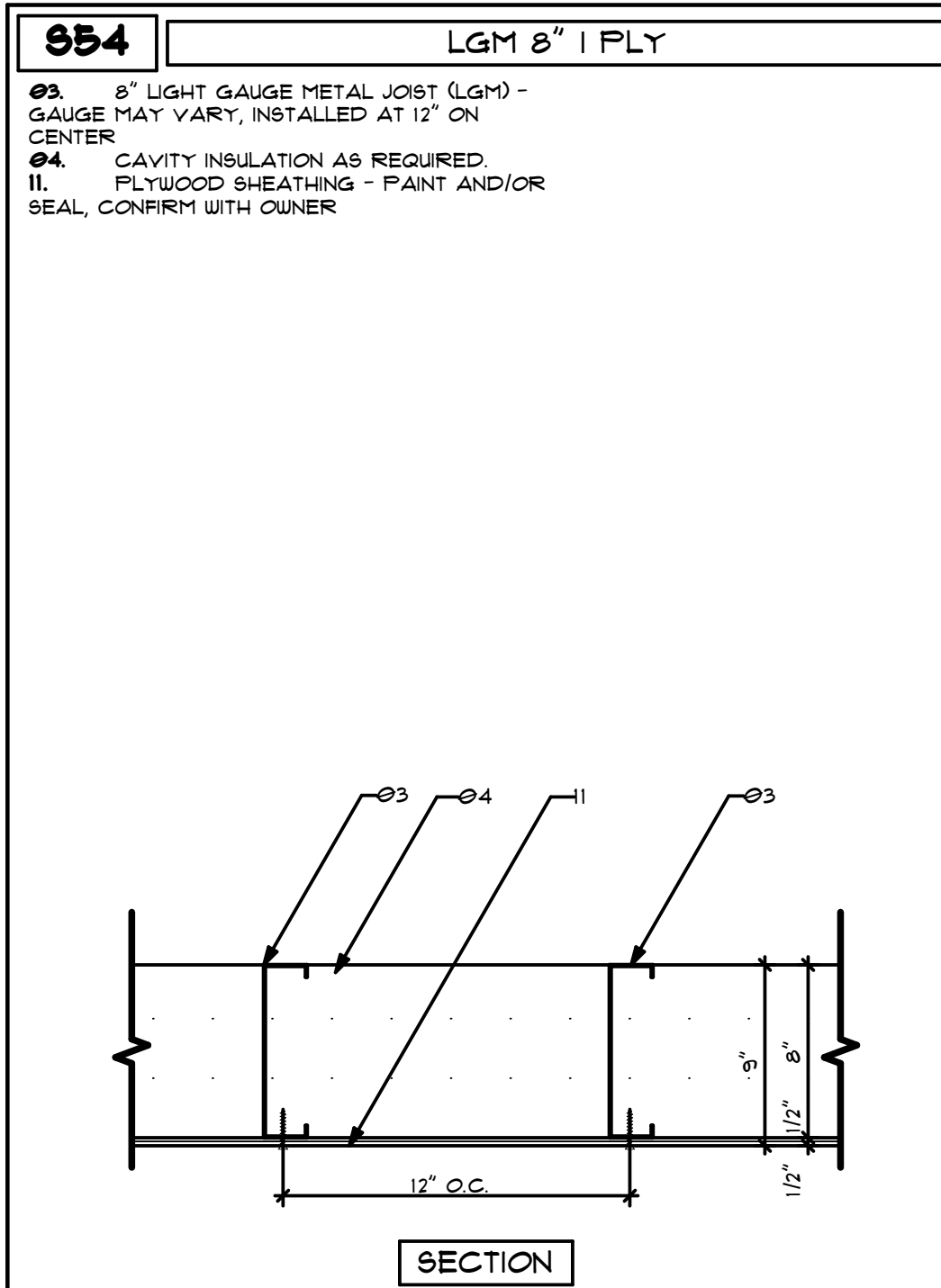
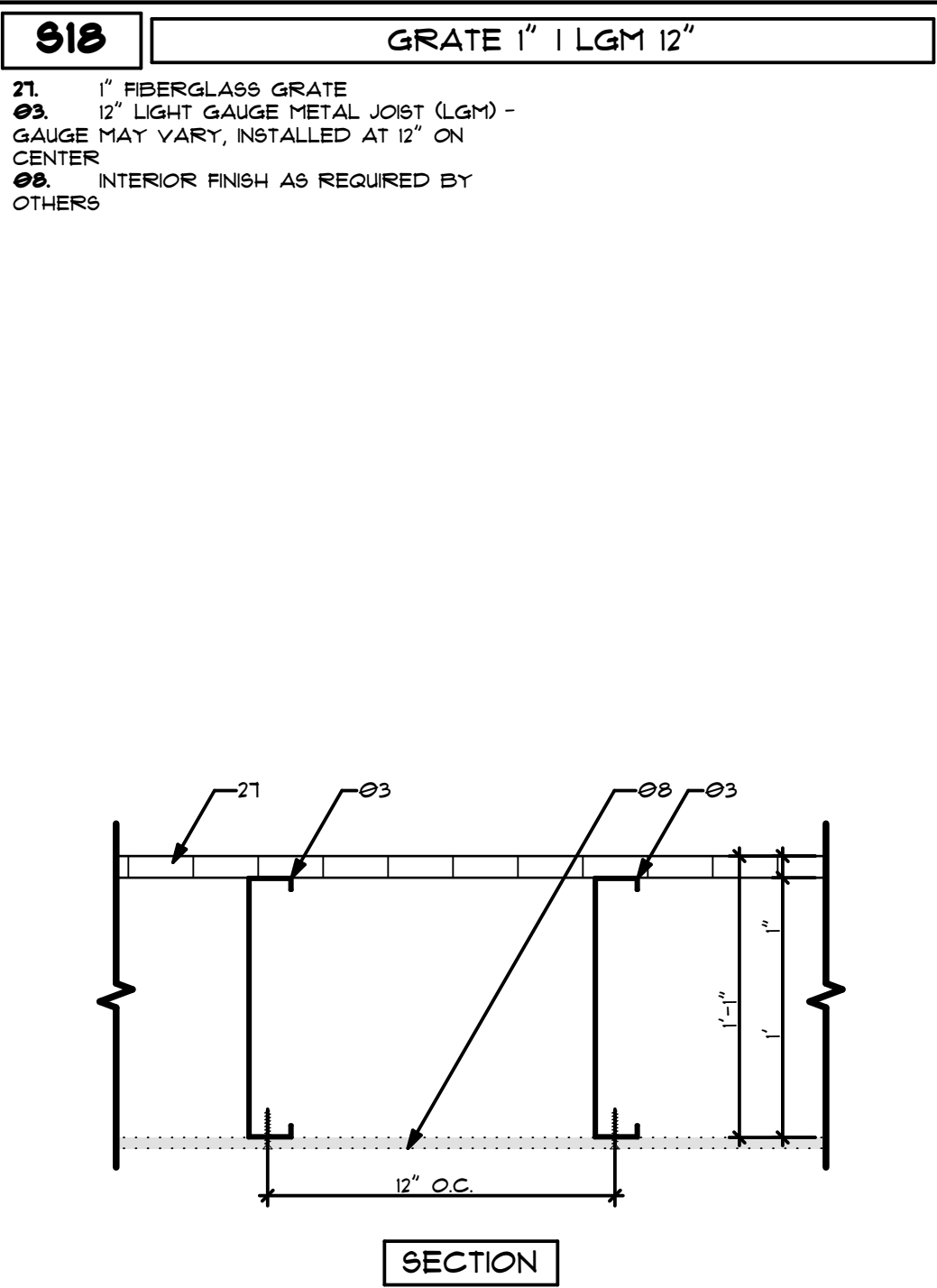
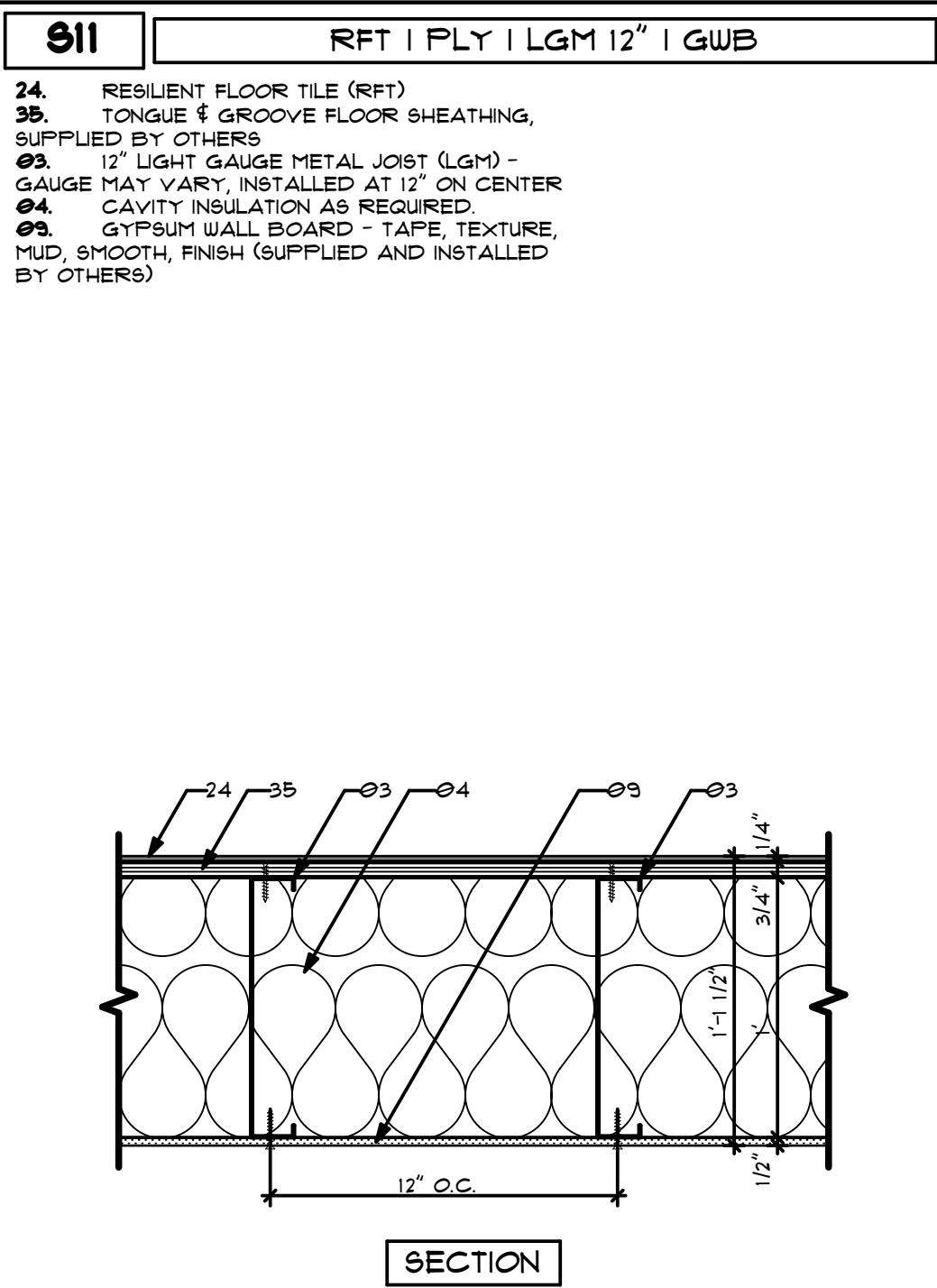
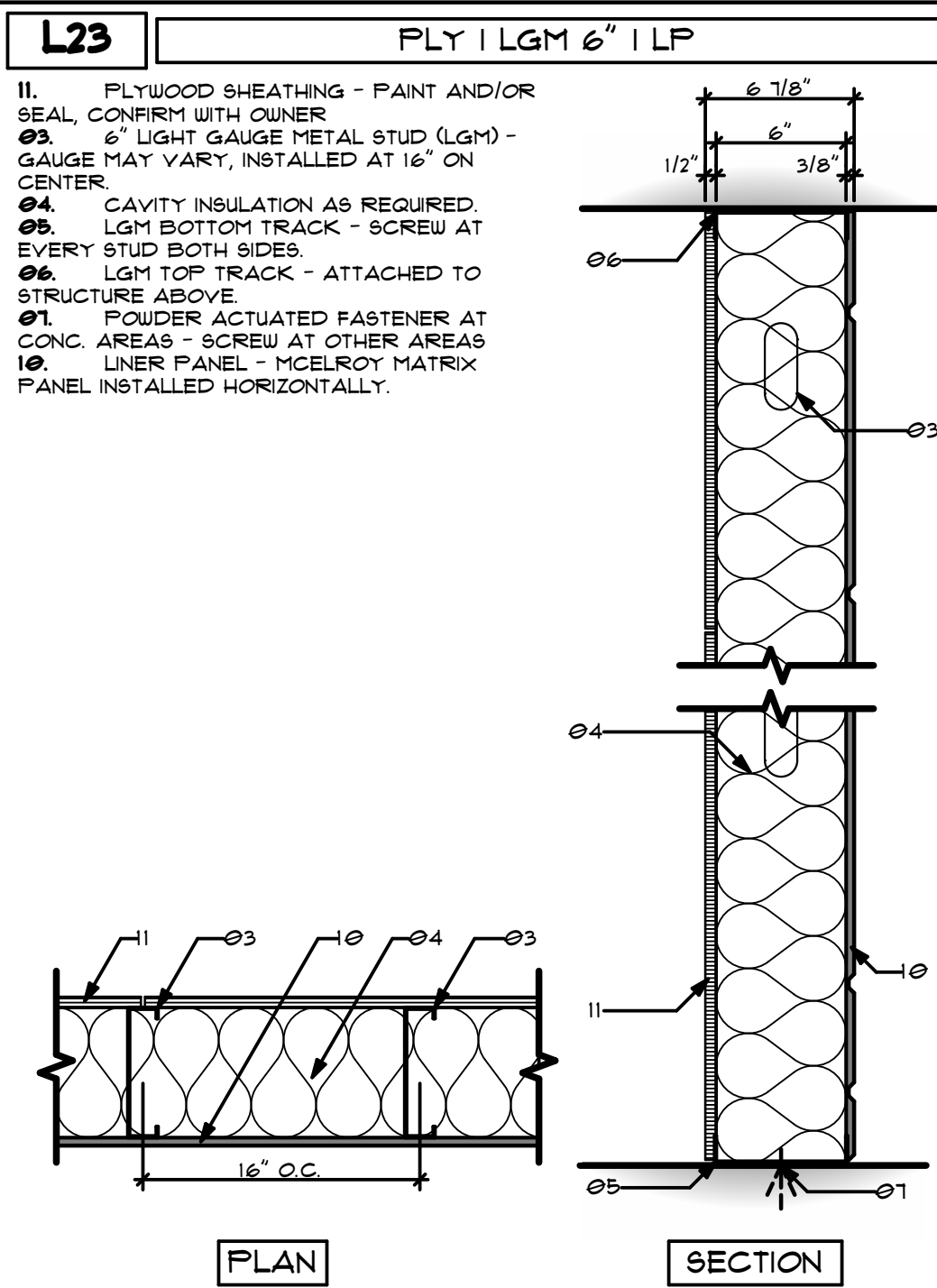
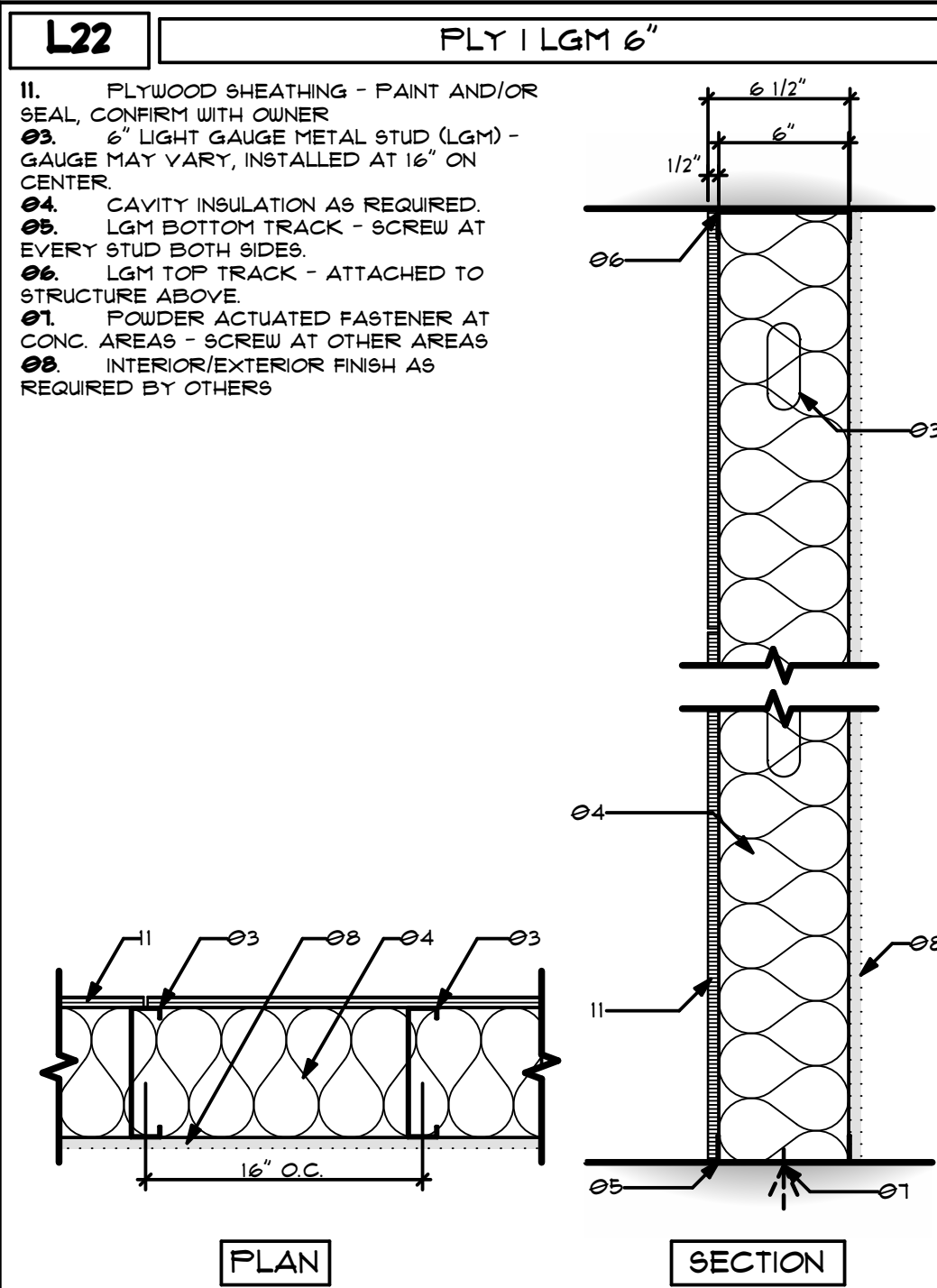
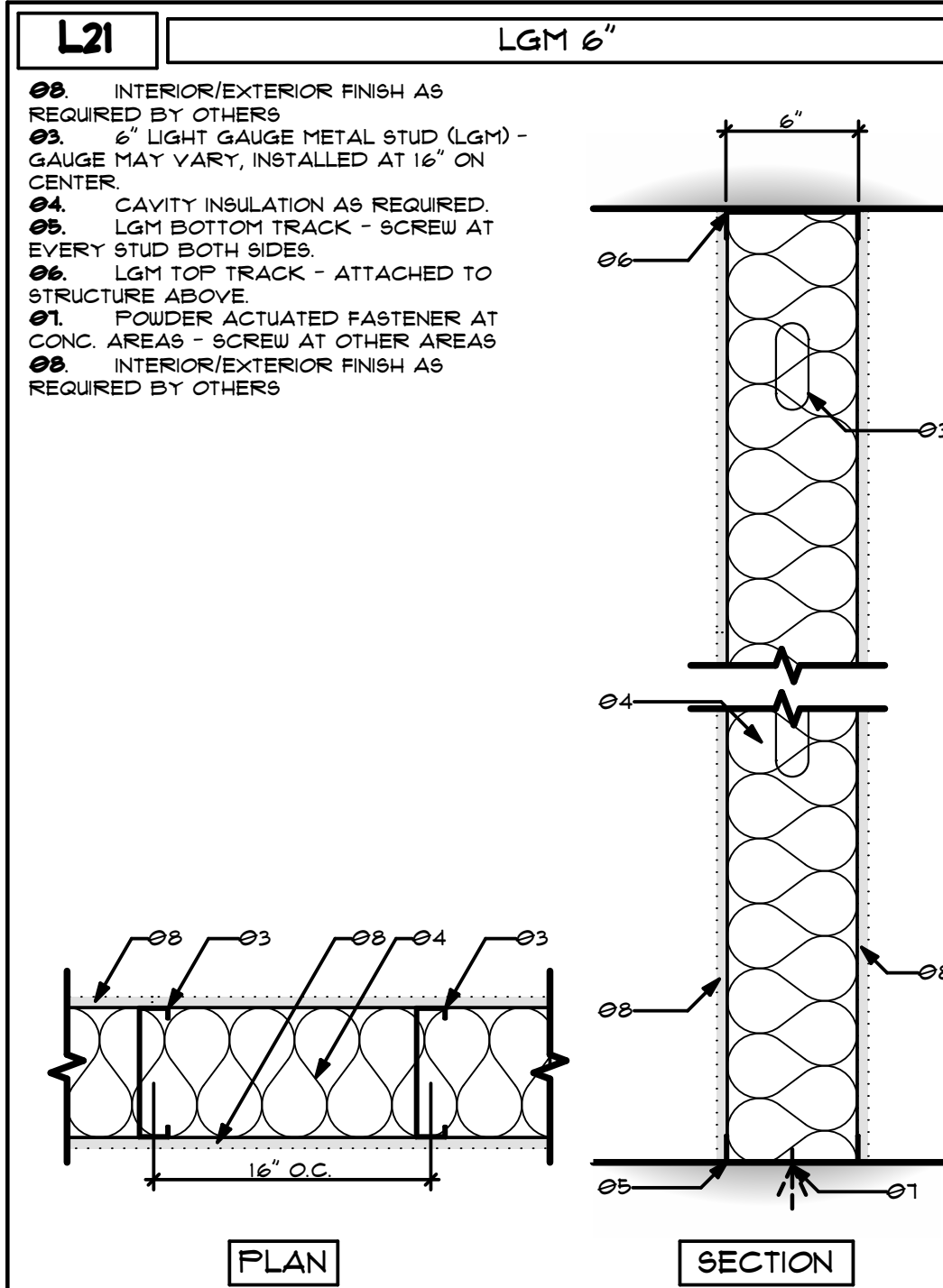
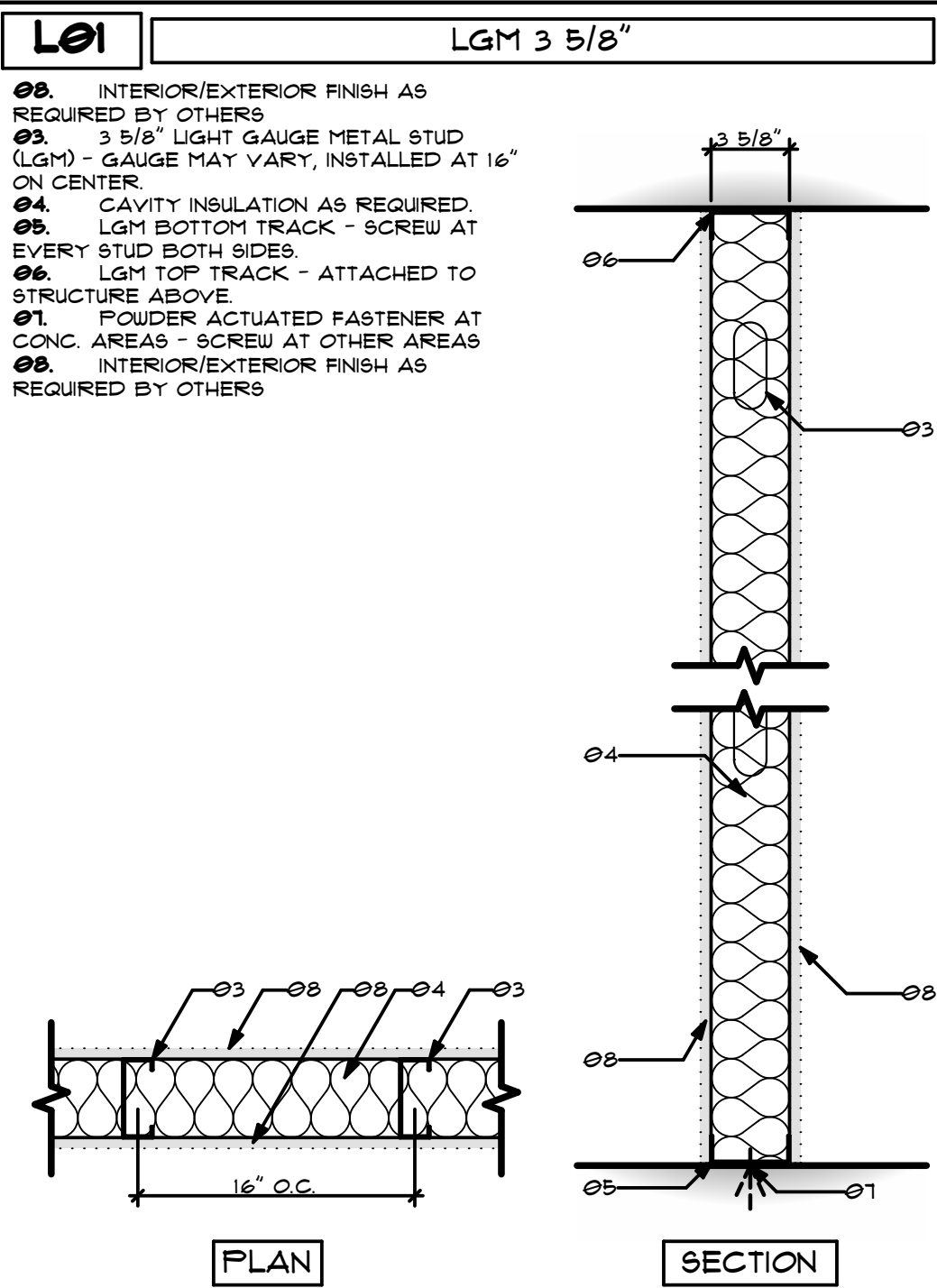
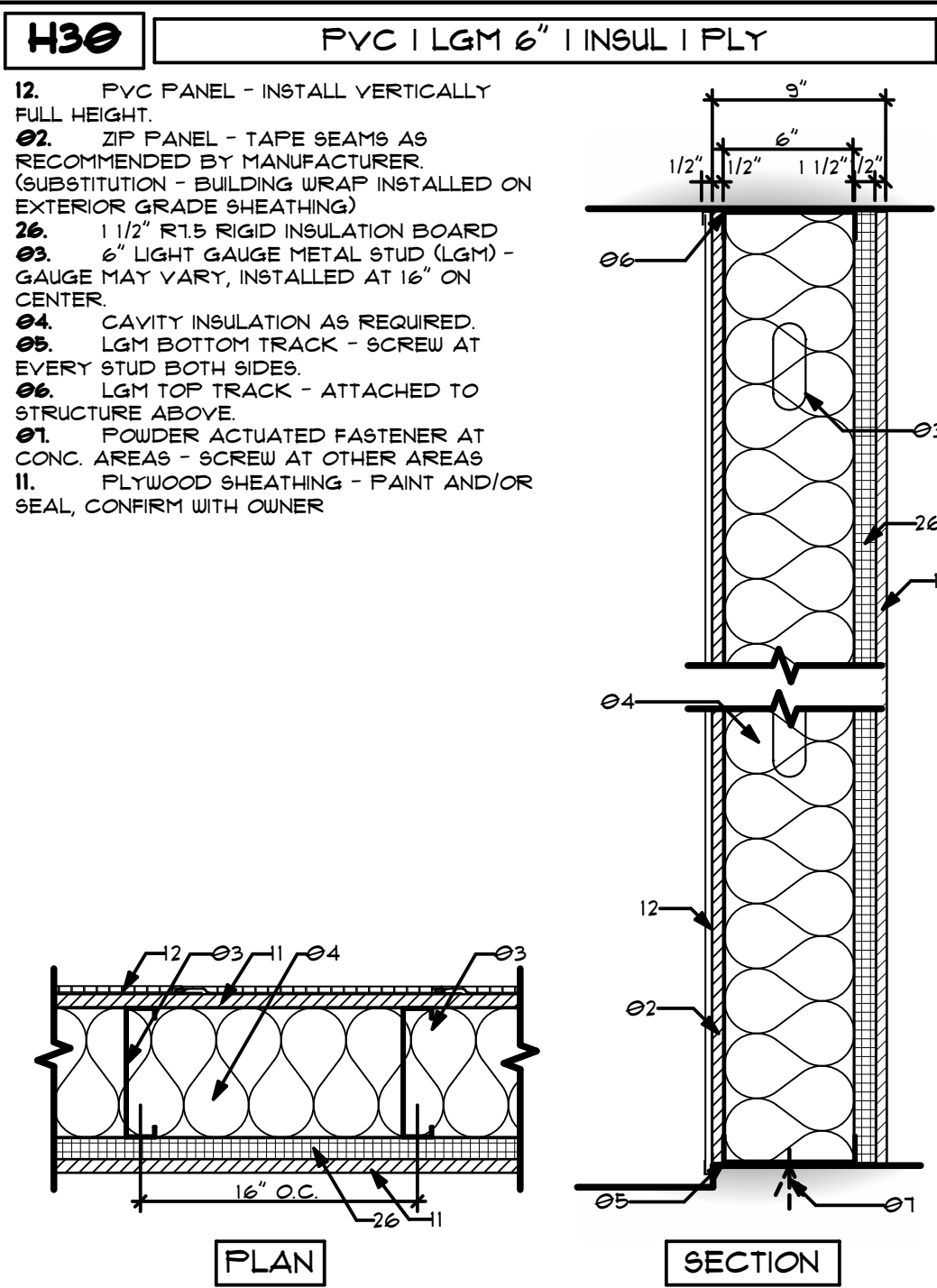
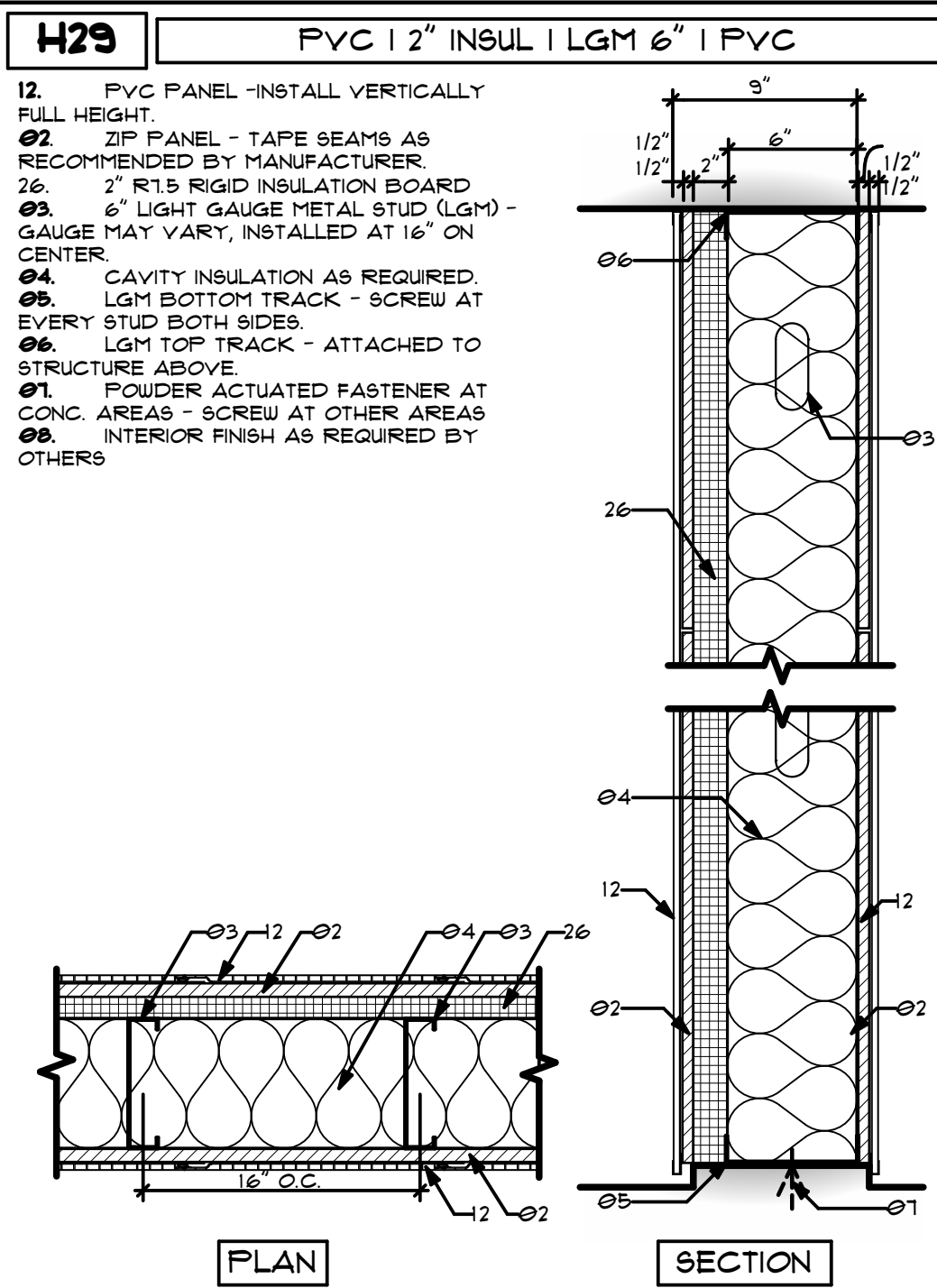
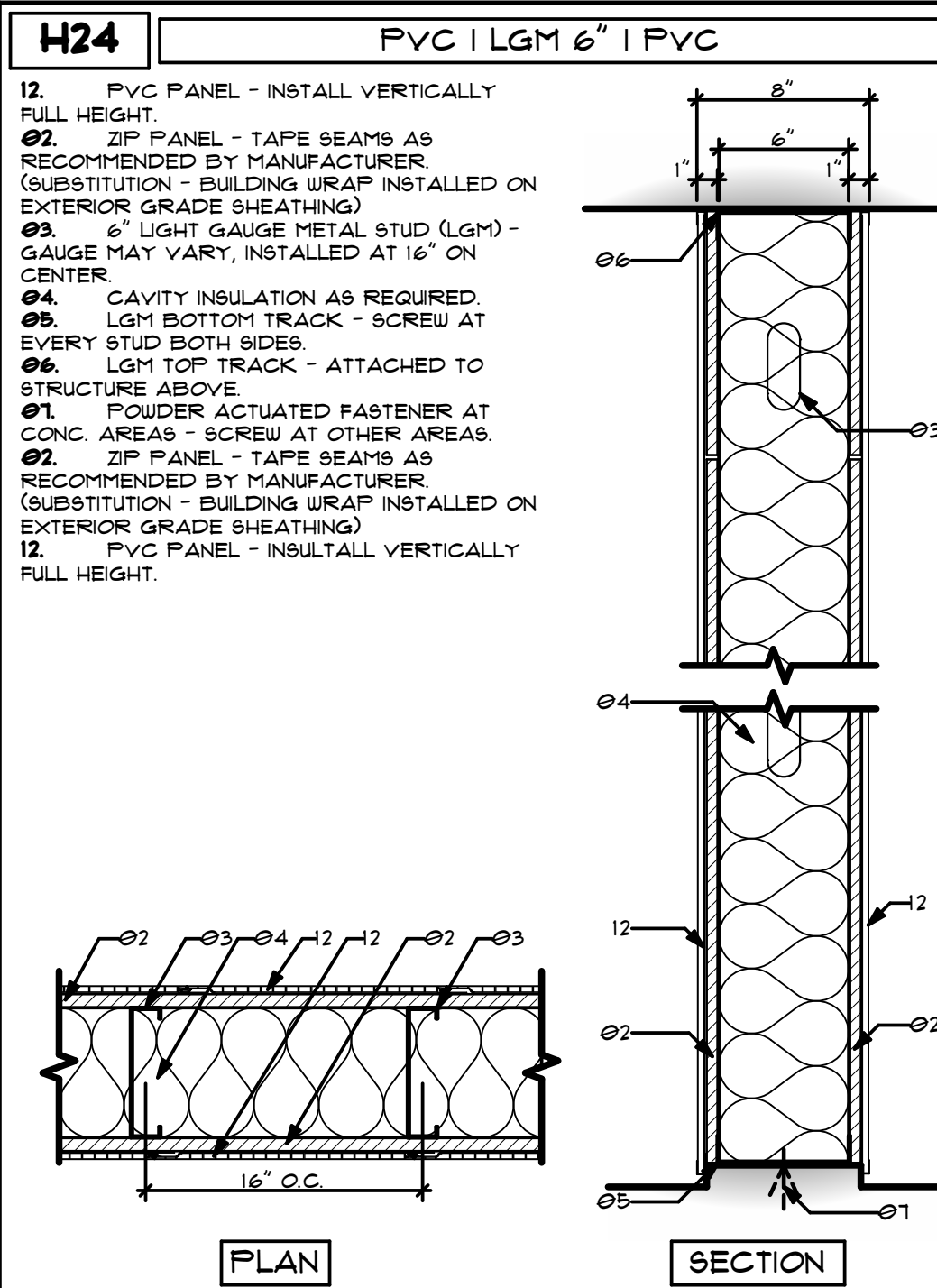
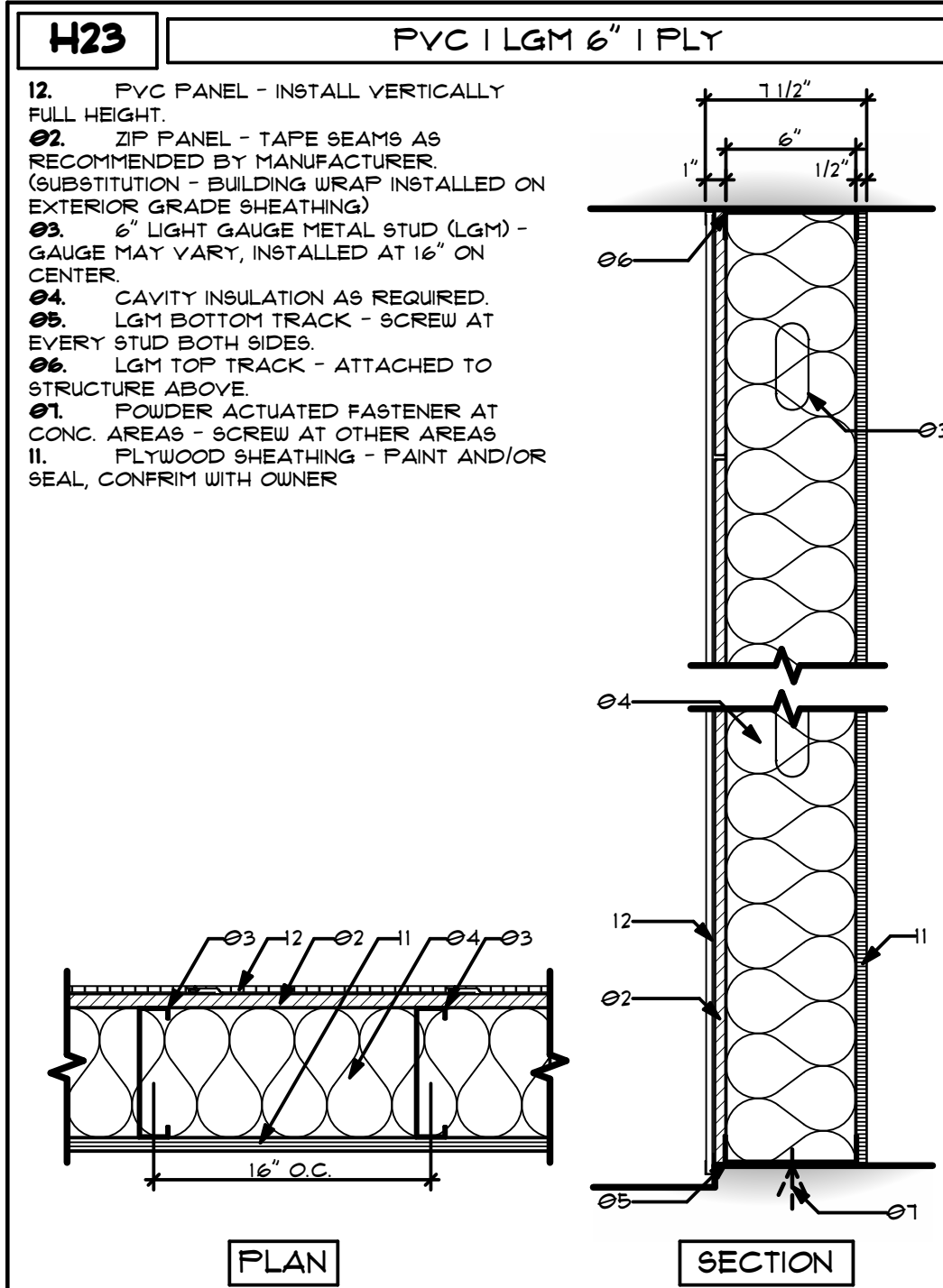
173

174

175

176

177



WALL/FLOOR TYPES GENERAL NOTES:

ERECTION AND INSTALLATION BY OTHERS

NOT ALL NOTES LISTED BELOW APPLY TO EVERY PROJECT.

- NOT ALL WALL TYPES SHOWN MAY BE USED IN THIS PROJECT. CONFIRM TYPE WITH WALL TYPE SYMBOLS ON PLANS AND SECTIONS.
- ALL FULL HEIGHT LIGHT GAUGE METAL STUD FRAMING SHALL BE BRACED TO THE ROOF STRUCTURE AND SHALL NOT BE FASTENED IN ANY WAY TO THE ROOF PANELS OR DECK.
- SEE FLOOR PLAN AND SECTION WALL TYPE SYMBOLS FOR WALL LOCATIONS, HEIGHTS, AND ADDITIONAL INFORMATION.
- TRACK GAUGE TO MATCH STUD GAUGE.
- IF REQUIRED AND/OR INSTALLED, INSULATION IS TO BE CONTINUOUS FROM FLOOR TO DECK/CEILING ABOVE.
- FRAMING CONTRACTOR SHALL PROVIDE SOLID BLOCKING CONCEALED IN WALLS AND ROUGH OPENINGS, AS REQUIRED, FOR MILLWORK, SUPPORT, GRAB BARS, CLOSET SHELVING/RODS, TOILET ACCESSORIES, ETC.
- IF SUSPENDED CEILING IS USED, ALL NON-FULL HEIGHT INTERIOR PARTITIONS ARE TO BE BRACED TO CEILING/FLOOR OR ROOF STRUCTURE ABOVE.
- ALL SHEATHING/SUBSTRATE IS TO BE INSTALLED BASED ON THE MANUFACTURERS RECOMMENDATIONS. CONFIRM EDGE SPACING WITH MANUFACTURERS SPECIFICATIONS.
- 1/2" ZIP PANEL IS SHOWN AS SHEATHING ON ALL WALL TYPES AS REQUIRED. THICKNESS AND TYPE OF SHEATHING MAY BE SUBSTITUTED BASED ON LOCAL BUILDING CODES (CONFIRM WITH ARCHITECT PRIOR TO MODIFICATION).
- IF PLYWOOD OR ZIP SHEATHING IS SUBSTITUTED WITH ANOTHER SHEATHING PRODUCT, THEN THE CONTRACTOR IS RESPONSIBLE FOR THE POSSIBLE CHANGE OR MODIFICATION OF THE FINISH MATERIAL ATTACHMENT TO THE SUBSTRATE.
- ZIP PANELS CONTAIN A BUILT-IN VAPOR BARRIER. INSTALL, TAPE, AND SEAL BASED ON MANUFACTURERS INSTALLATION GUIDE AND SPECIFICATIONS.
- EXTEND PVC PANEL DOWN FAST EDGE OF SLAB. 1" OR MORE RECOMMENDED. 4" MAX.
- UNLESS OTHERWISE NOTED, ALL LGM WALL STUDS ARE TO BE 18 GA.
- UNLESS OTHERWISE NOTED, ALL LGM FLOOR/CEILING JOISTS ARE TO BE 12 GA.
- UNLESS OTHERWISE NOTED, ALL 12" FLOOR JOISTS ARE TO BE ATTACHED TO STEEL FRAME STRUCTURE USING SIMPSON JOIST HANGERS AND/OR BEAR ON A STRUCTURAL WALL.
- UNLESS OTHERWISE NOTED OR DETAILED, ALL CEILING STRUCTURES ARE TO BE ATTACHED TO THE WALL STRUCTURE BY LIGHT TRACK AND THE AREA ABOVE IS NOT INTENDED FOR STORAGE OR OCCUPIED SPACE.

REVISIONS

ID	DATE	DESCRIPTION	FOR PERMIT	DRAWING/TREND/UPDATE
0	05/03/2023			
1	06/09/2023			

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE REPRODUCED, COPIED, OR OTHERWISE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

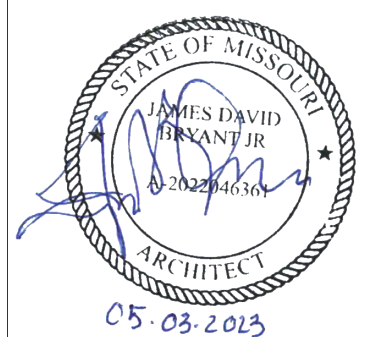
COPYRIGHT: MODERNWASH 2023

21 OF 39



NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.



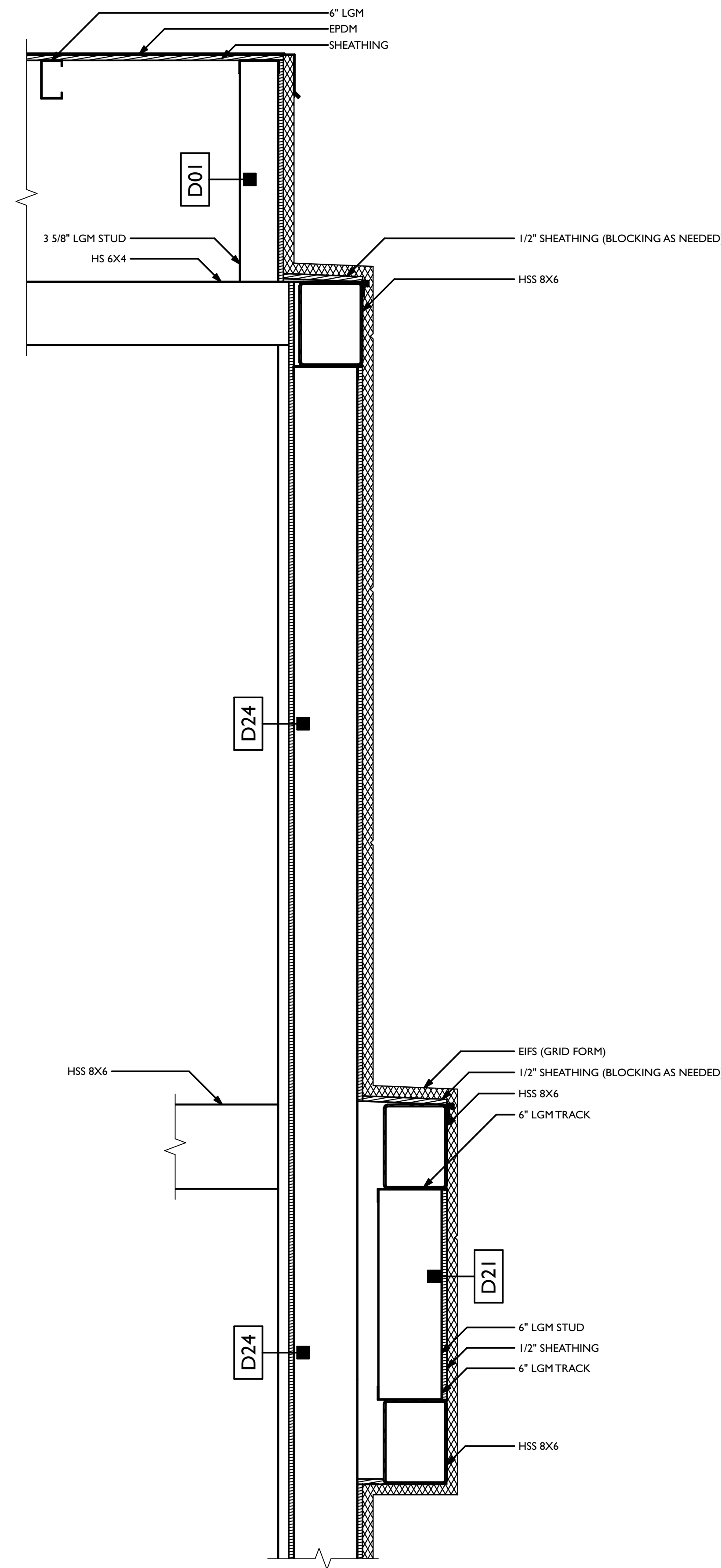
PRELIMINARY

PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

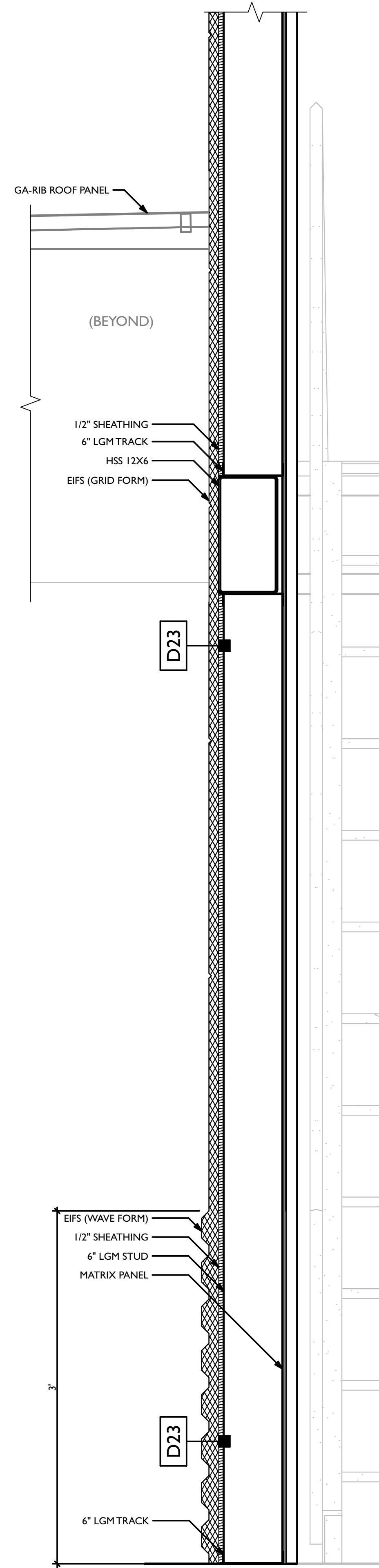
SHEET:

MW-6.2

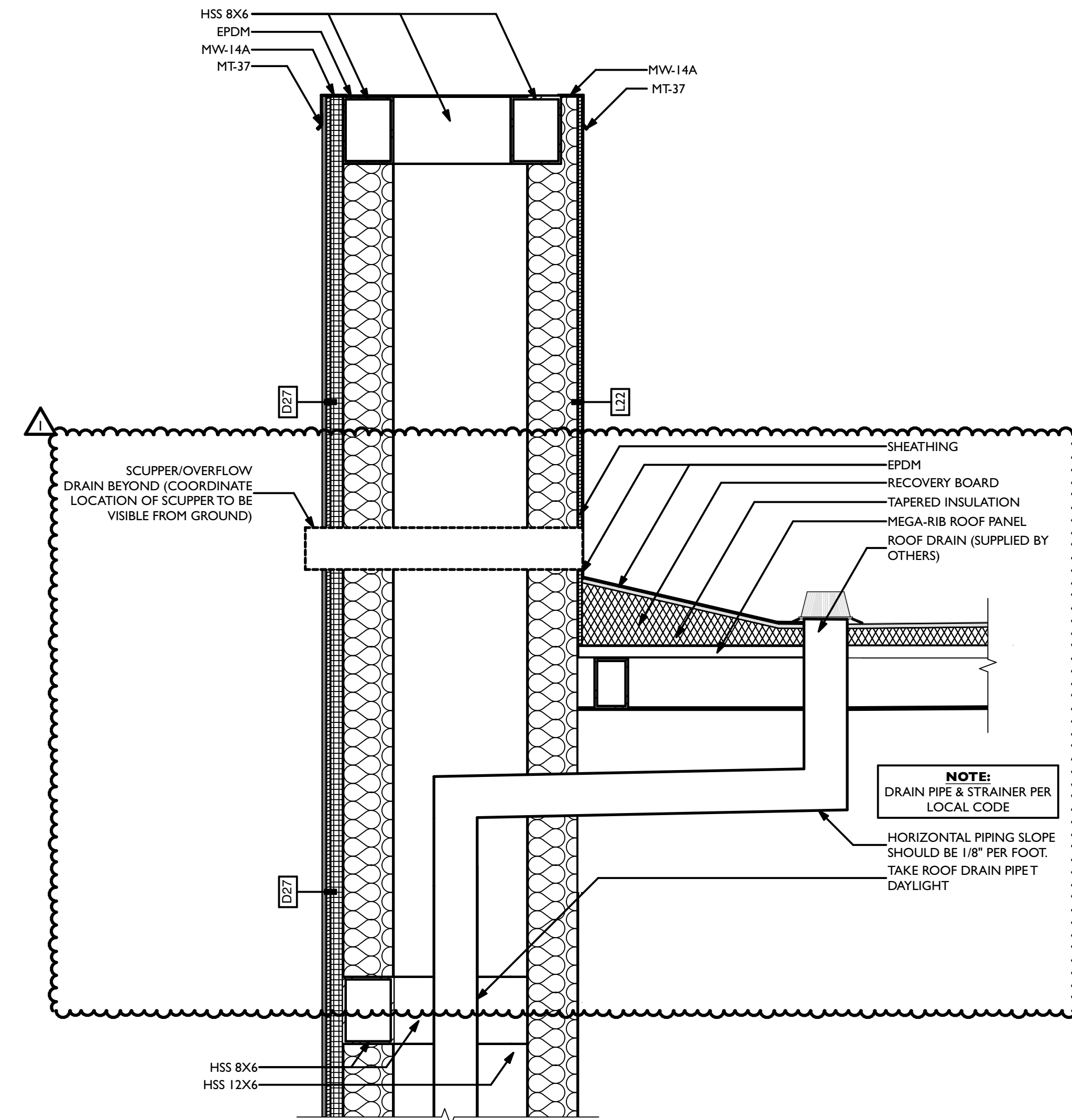
WALL/SLAB TYPES



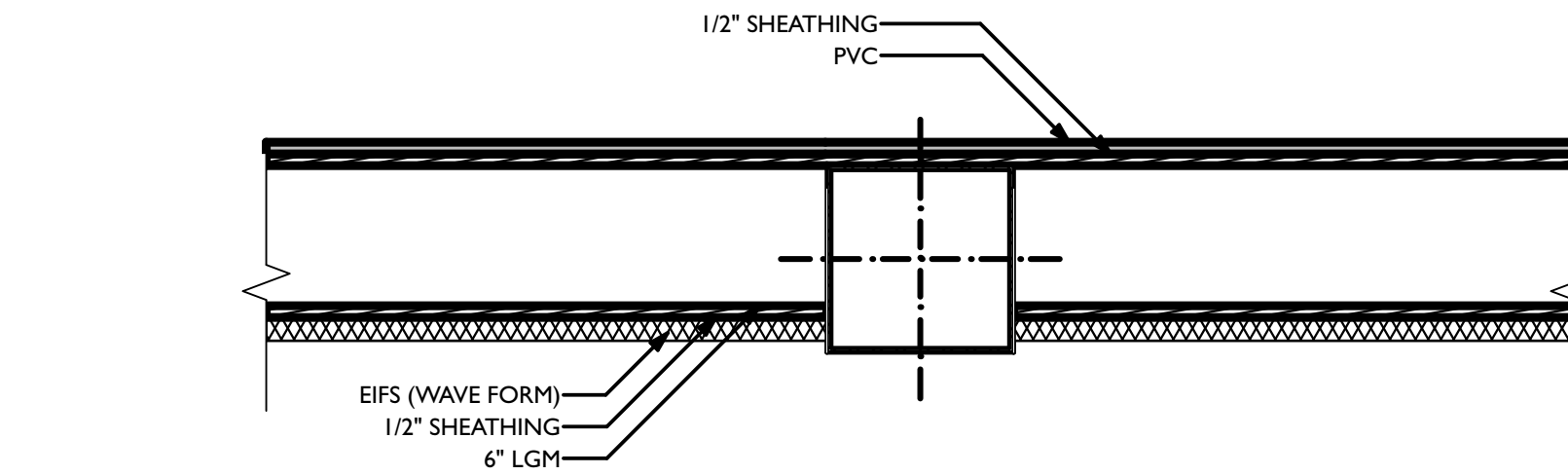
A SECTION DETAIL - EQUIP. TOWER
SCALE: 1 1/2" = 1'-0"



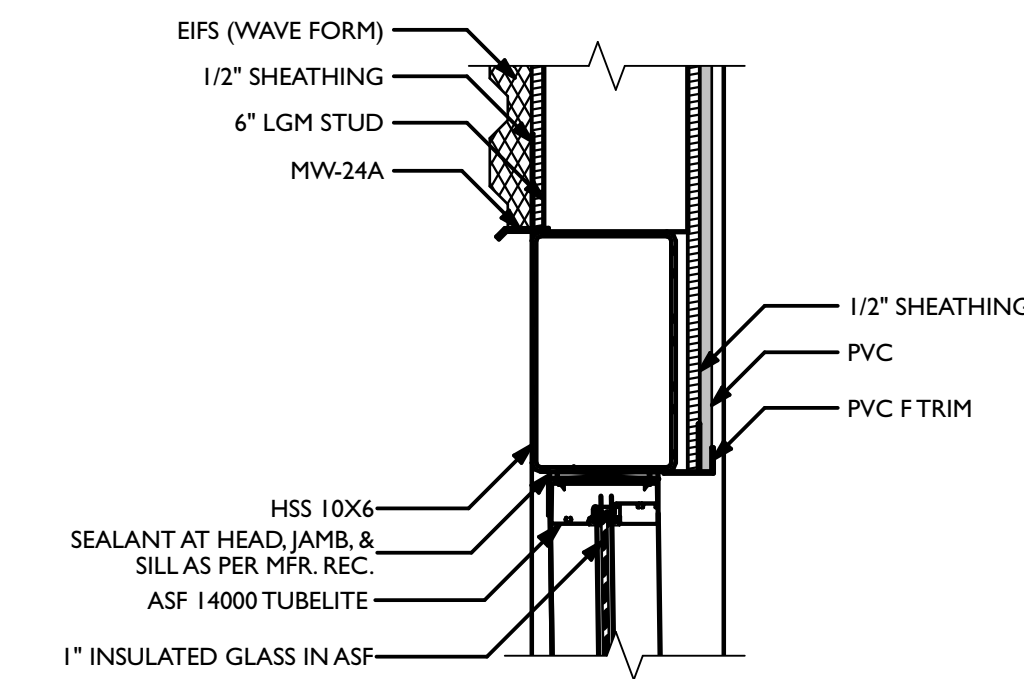
C SECTION DETAIL - CANOPY AT TOWER
SCALE: 1 1/2" = 1'-0"



D SECTION DETAIL - CTRL. TOWER ROOF DRAIN
SCALE: 1" = 1'-0"



N PLAN DETAIL - WAVE AT COLUMN
SCALE: 1 1/2" = 1'-0"



S SECTION DETAIL - PVC AT ASF HEAD
SCALE: 1 1/2" = 1'-0"

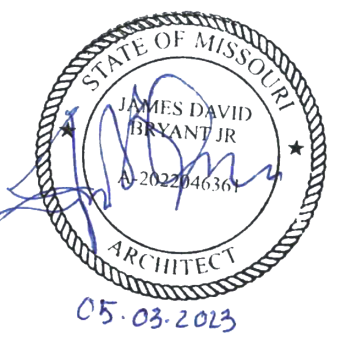
REVISIONS		DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT	
1	06/09/2023	DRAWING/TRENCH UPDATE	

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. AND ANY SUCH REUSE OR DISTRIBUTION OF ANY PART DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-21, Modern Wash's Summit, Mo



NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



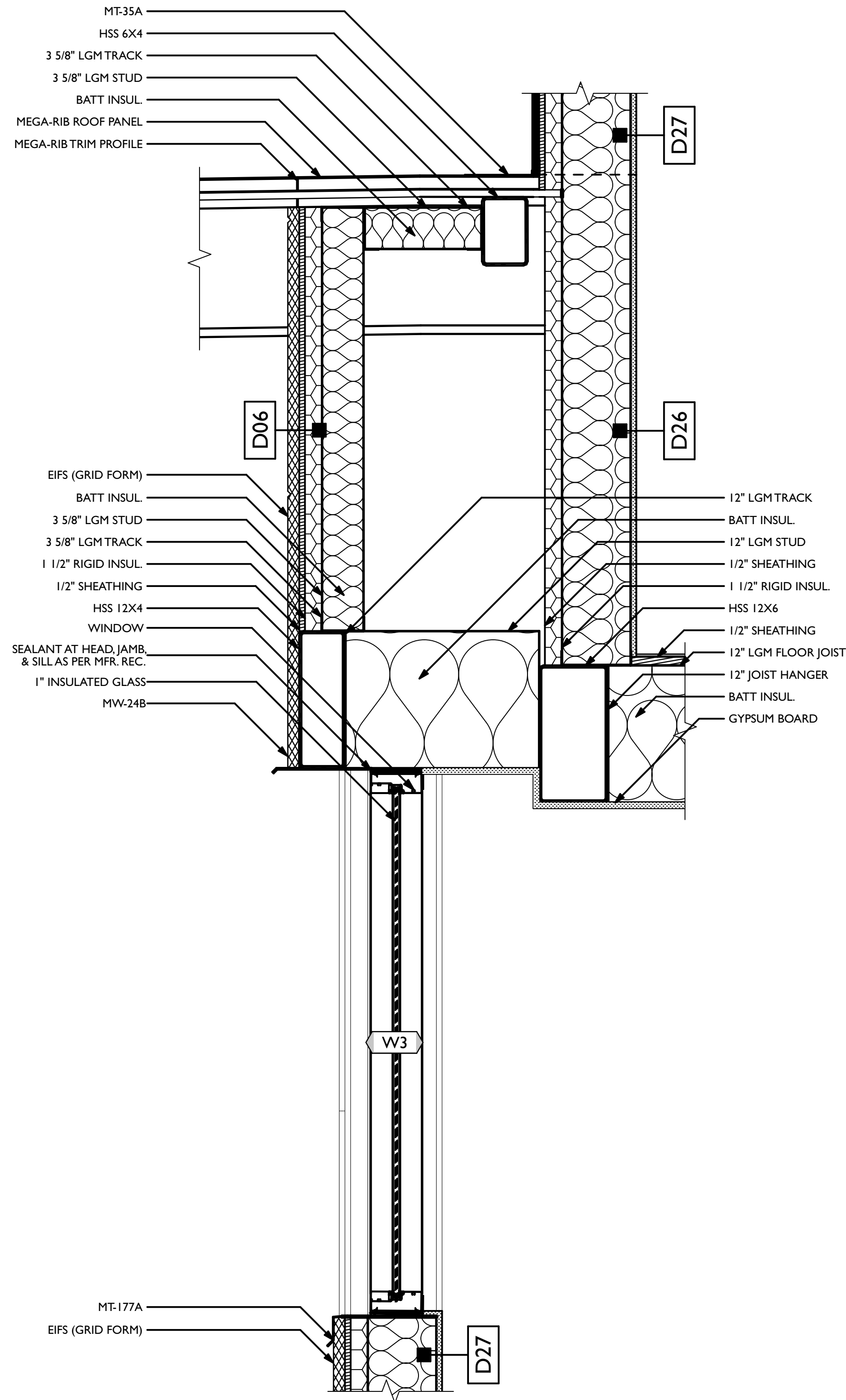
PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET: MW-6.3

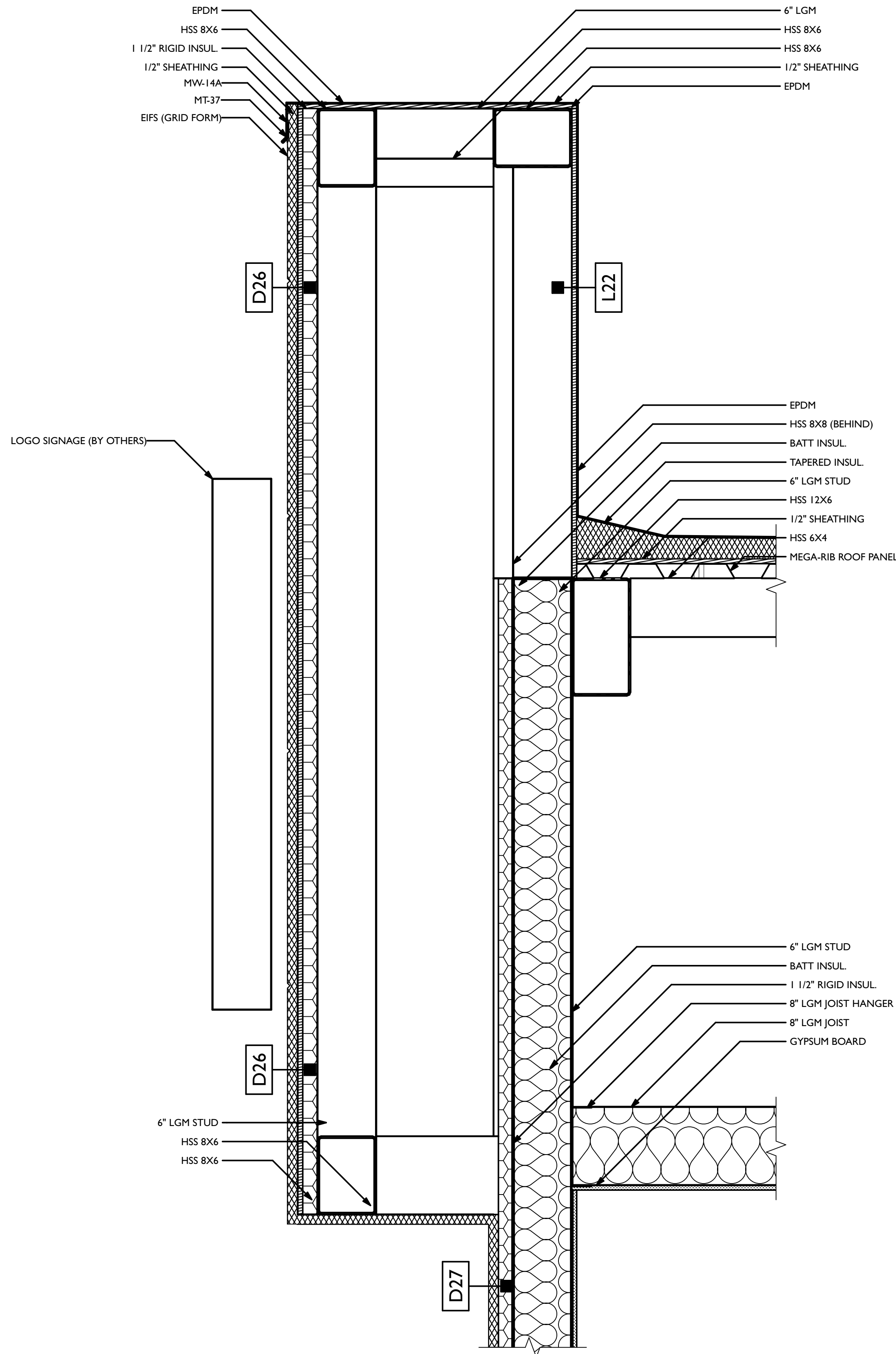
2D/3D DETAILS

DATE OF CREATION: 09/09/21 MW JOB #: 2022-21

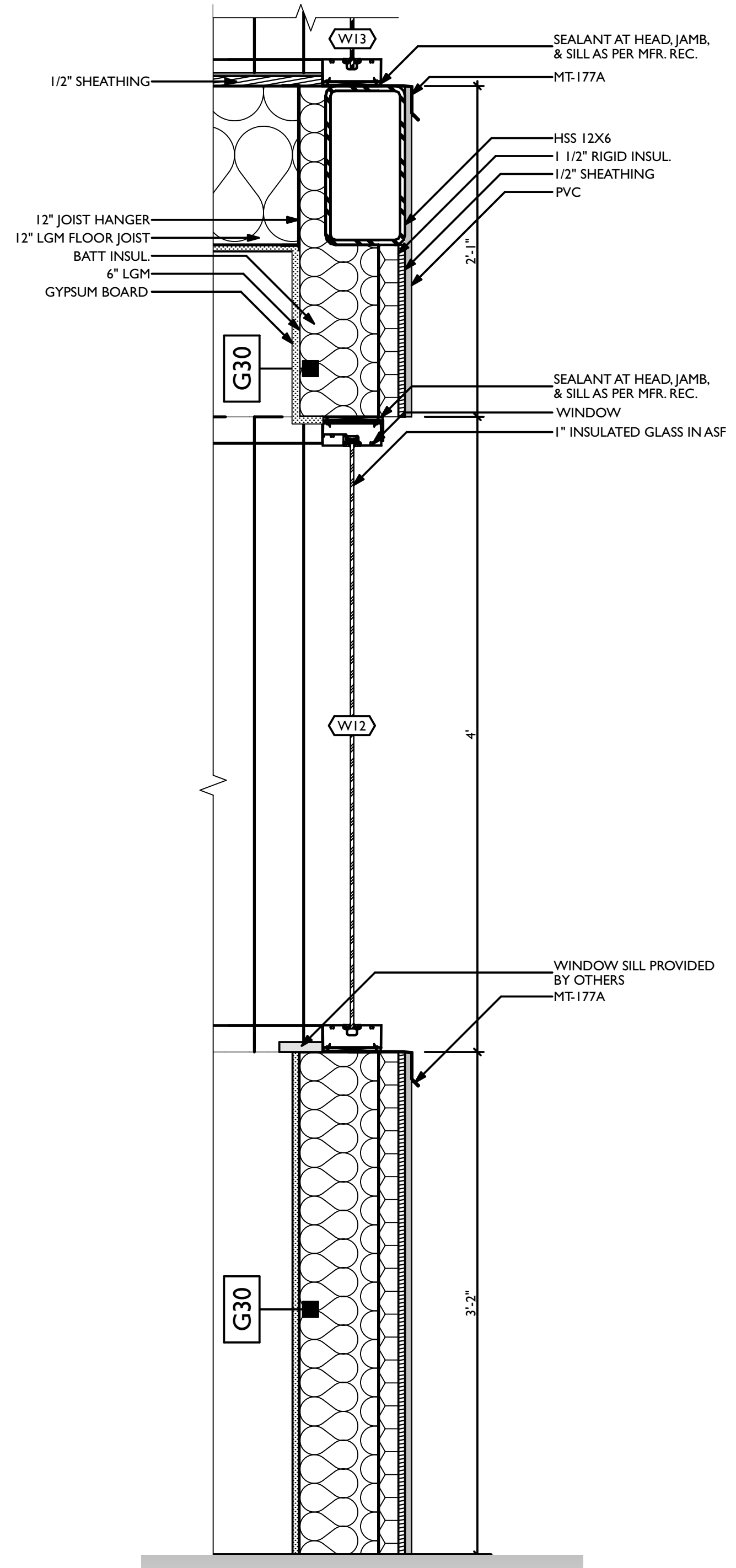
A SECTION DETAIL - CONTROL TOWER
SCALE: 1 1/2" = 1'-0"



B SECTION DETAIL - CONTROL TOWER
SCALE: 1 1/2" = 1'-0"



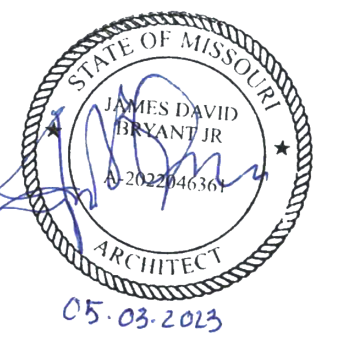
E SECTION DETAIL - CONTROL TOWER
SCALE: 1 1/2" = 1'-0"



NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE
FOR MOST
CURRENT
PROJECT
DRAWINGS.



PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET:

MV-6.4

2D/3D DETAILS

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

2022-21, ModernWash, Lee's Summit, Mo

23 OF 39



MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

MODEL: AXIOM BETA
RETAIL TOWER
2023

REVISIONS

DESCRIPTION

DATE

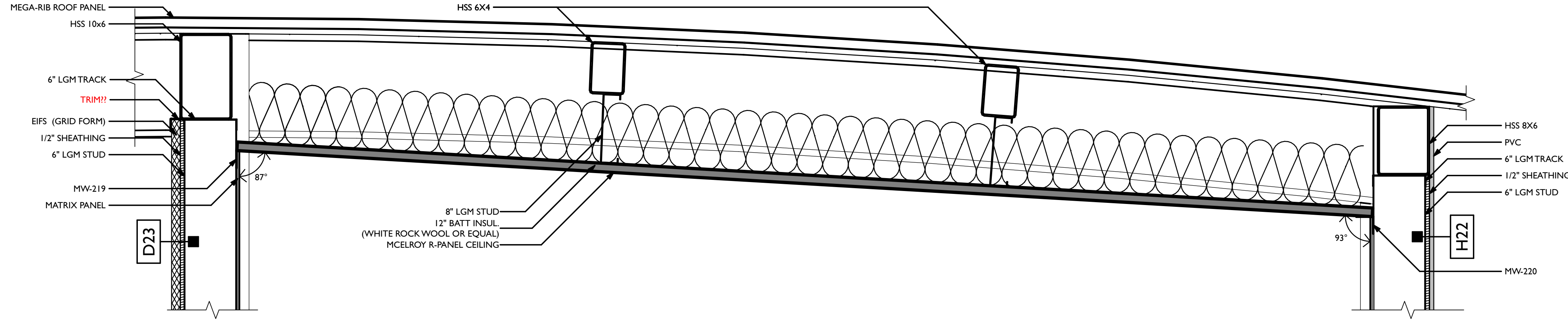
FOR PERMIT

ID

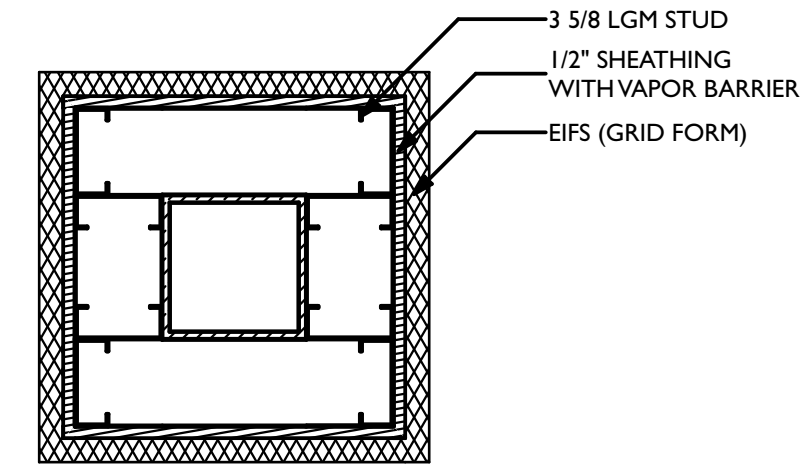
DATE

FOR PERMIT

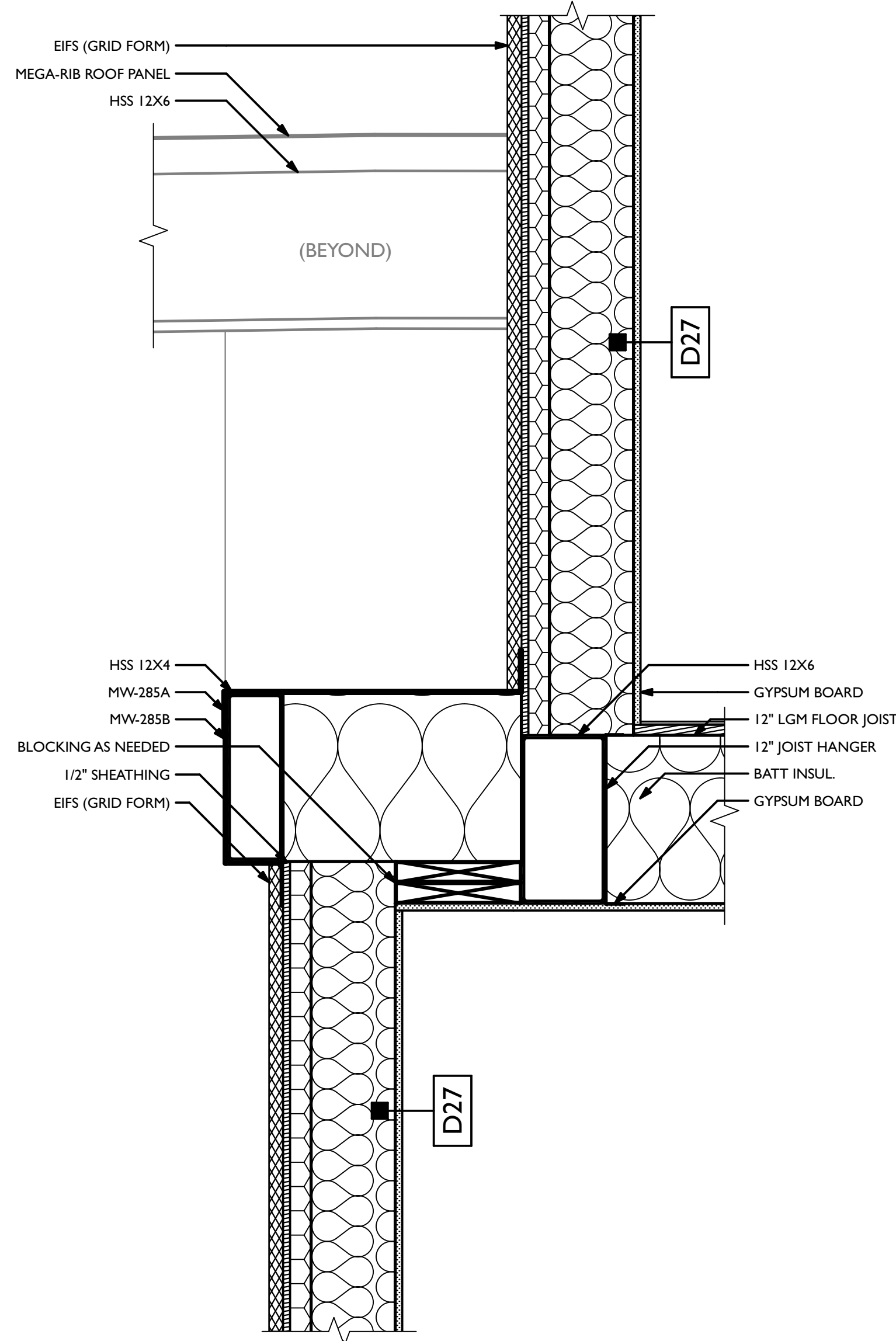
DATE OF CREATION: 09/09/21 MW JOB #: 2022-21



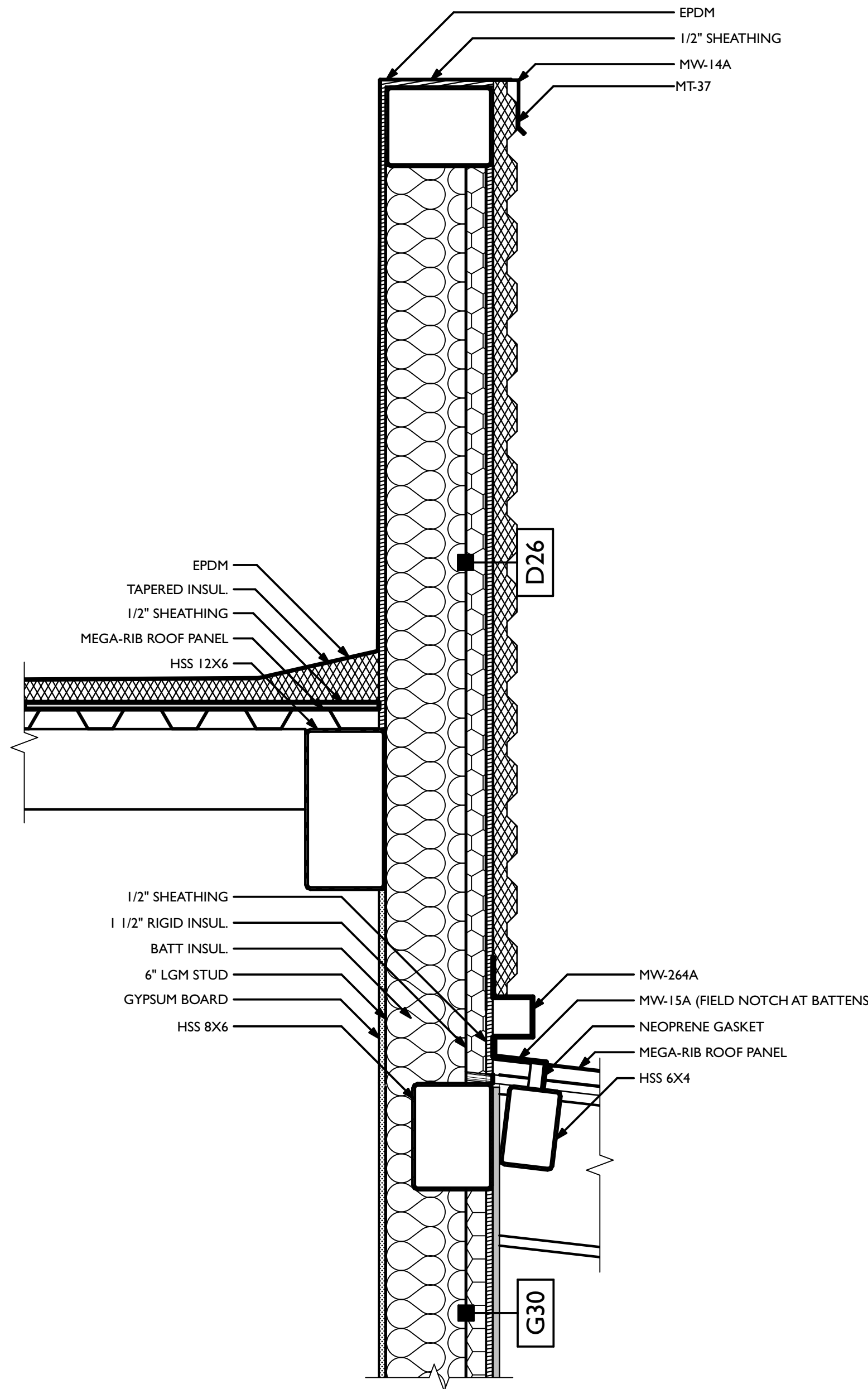
A SECTION DETAIL - EQMT. PLATFORM CEILING
SCALE: 1 1/2" = 1'-0"



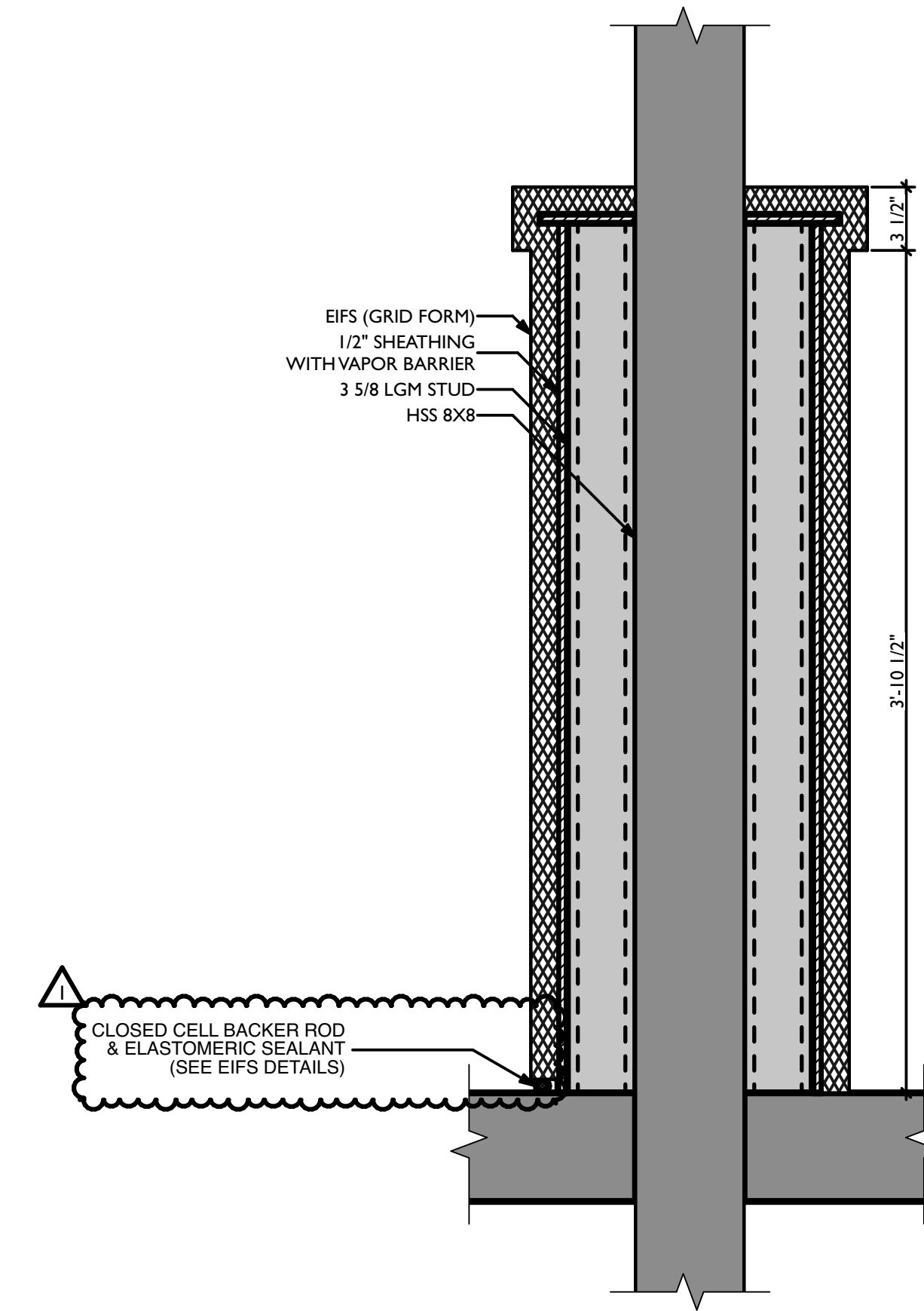
E PLAN DETAIL - COLUMN WRAP
SCALE: 1 1/2" = 1'-0"



F SECTION DETAIL - CONTROL TOWER
SCALE: 1 1/2" = 1'-0"



H SECTION DETAIL - CONTROL TOWER
SCALE: 1 1/2" = 1'-0"



O SECTION DETAIL - COLUMN WRAP
SCALE: 1 1/2" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT
1	06/09/2023	DRAWING/TRENCH UPDATE

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

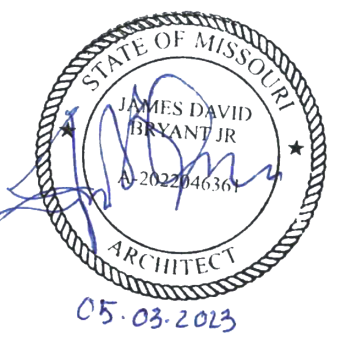
COPYRIGHT: MODERNWASH 2023
2022-21, Andrew Lee's Summit, MO



MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104
MODEL: AXIOM BETA
RETAIL TOWER
2023

24 OF 39

NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

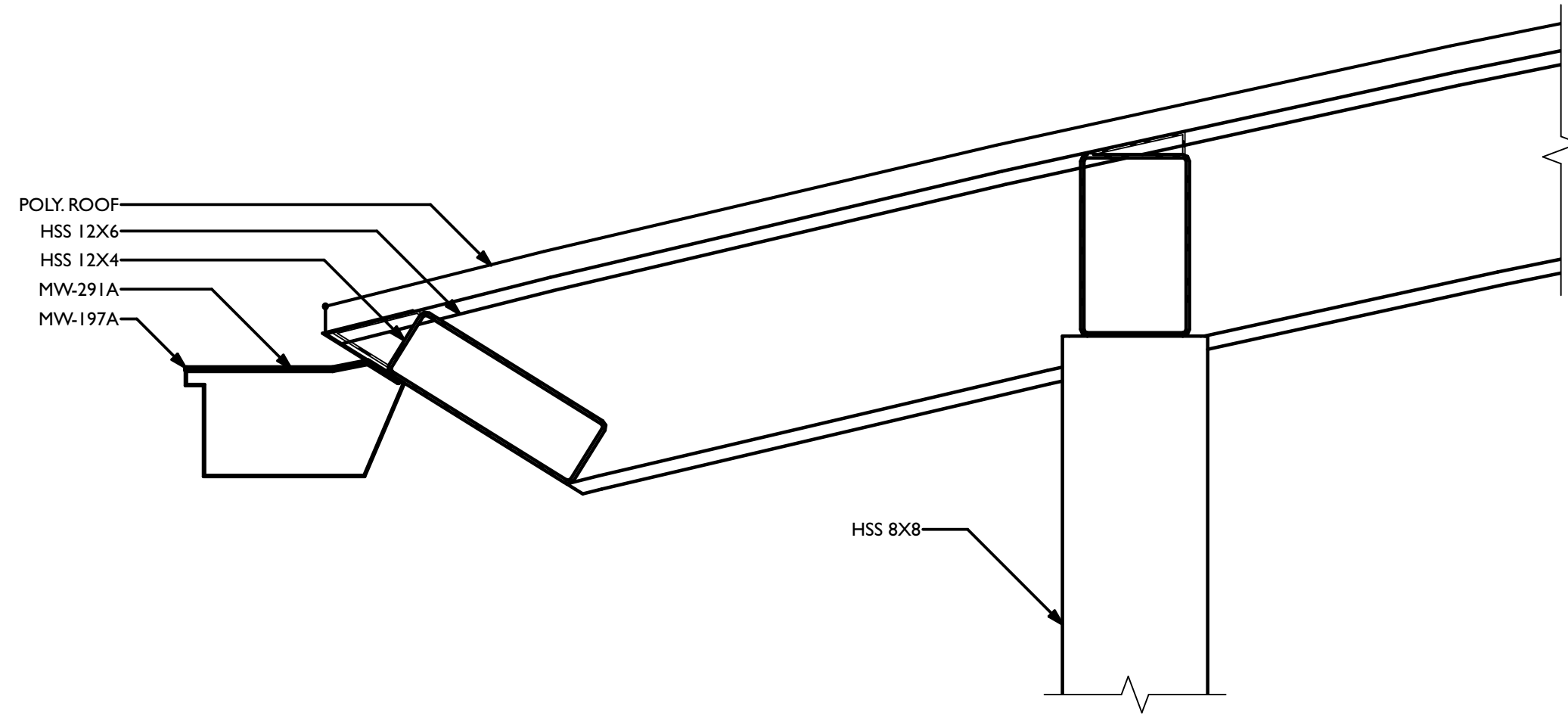


PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

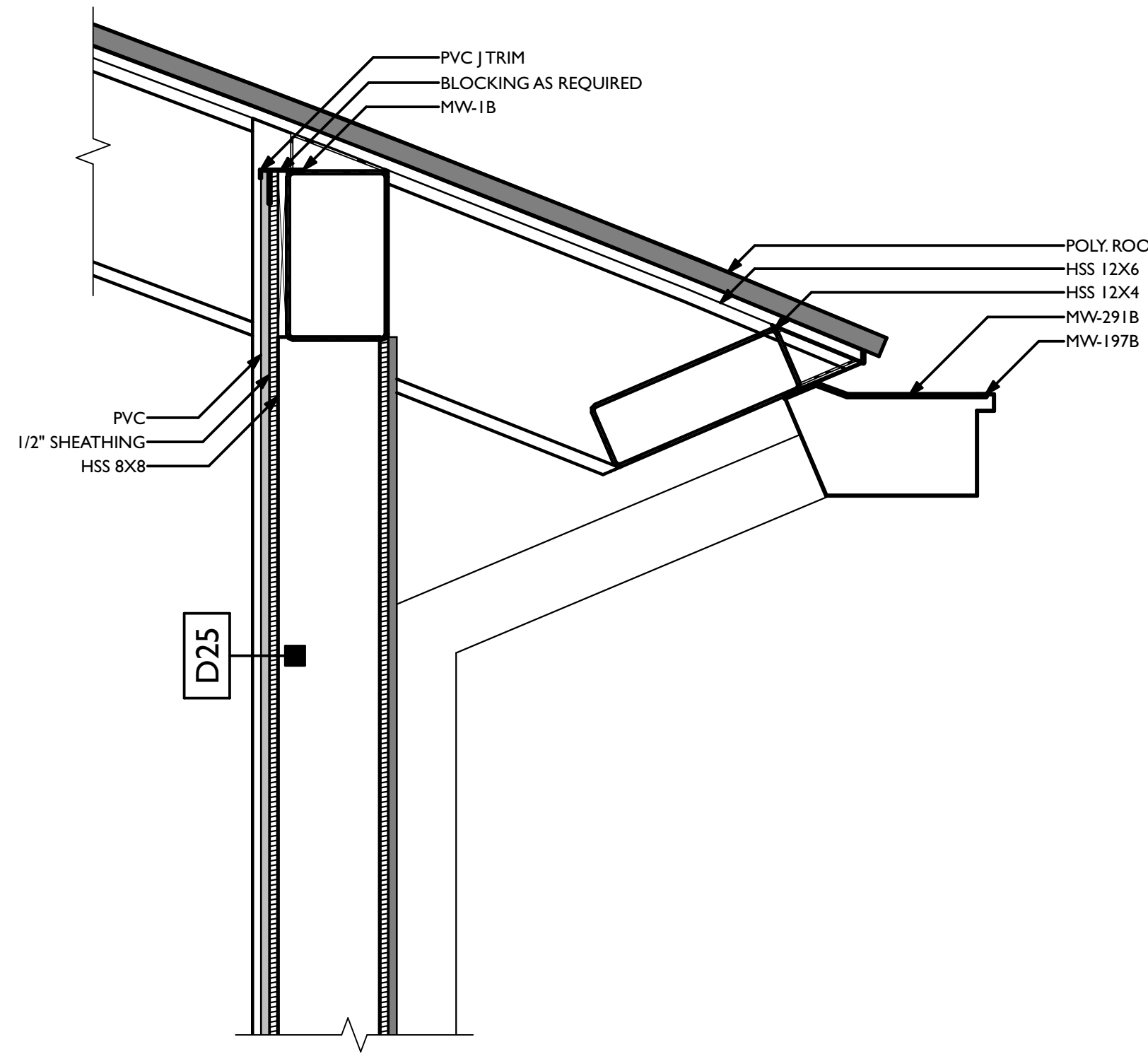
SHEET:

MV-6.5

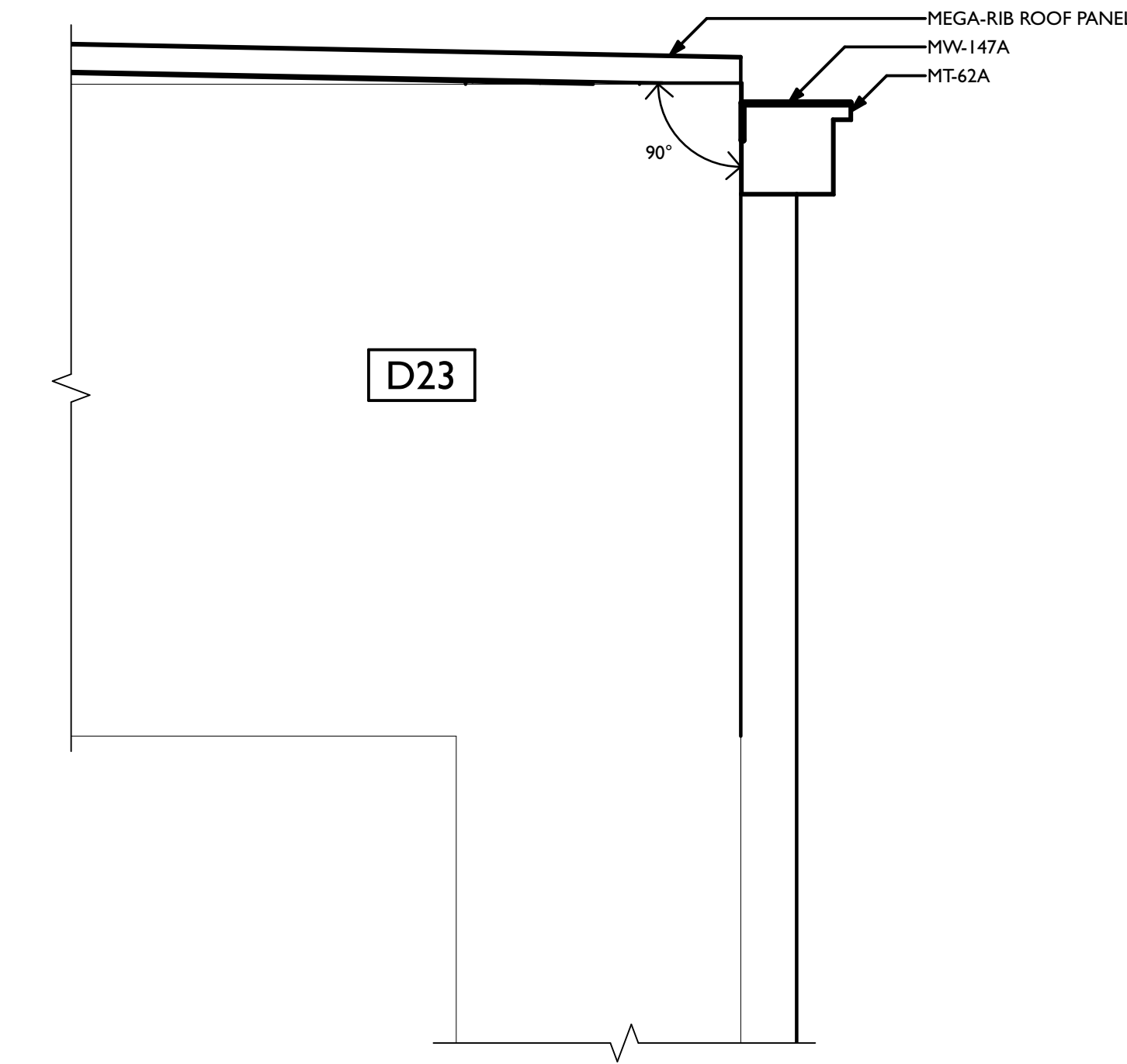
2D/3D DETAILS



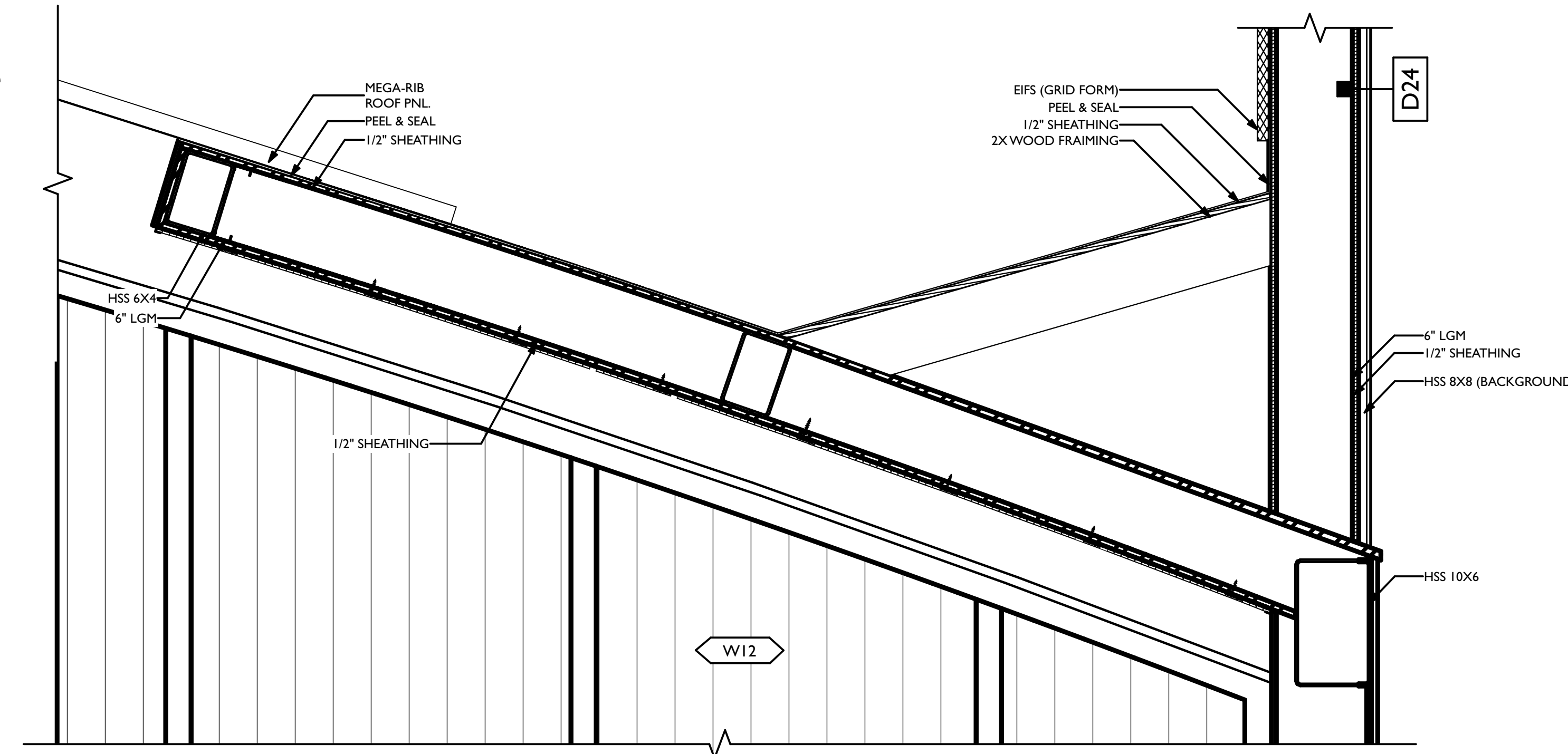
A SECTION DETAIL - PAY CANOPY EAVE
SCALE: 1 1/2" = 1'-0"



C SECTION DETAIL - WASH BAY EAVE
SCALE: 1 1/2" = 1'-0"

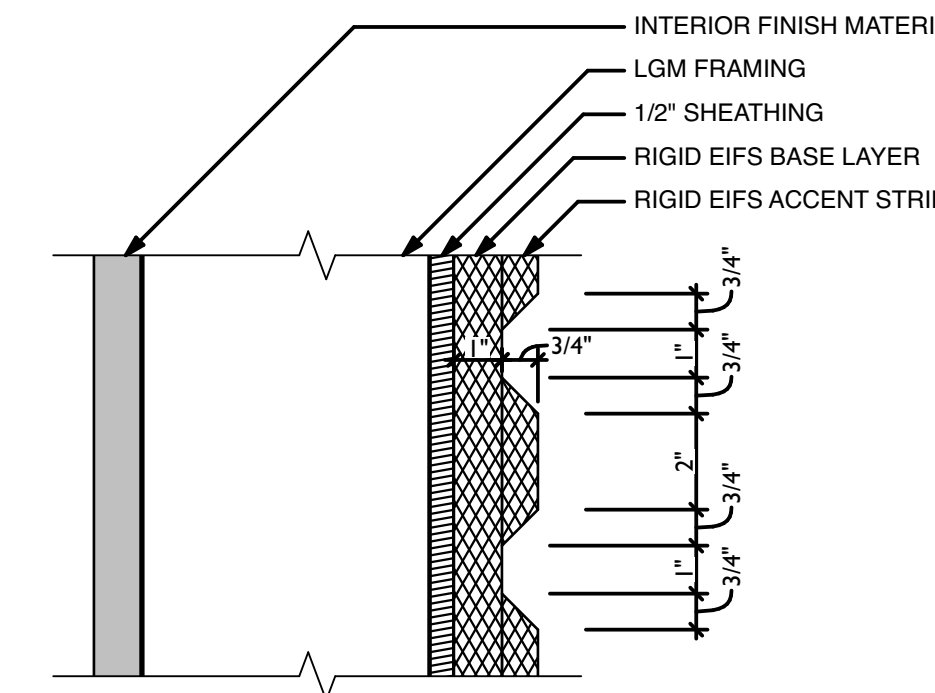


E SECTION DETAIL - DOG WASH CANOPY EAVE
SCALE: 1 1/2" = 1'-0"

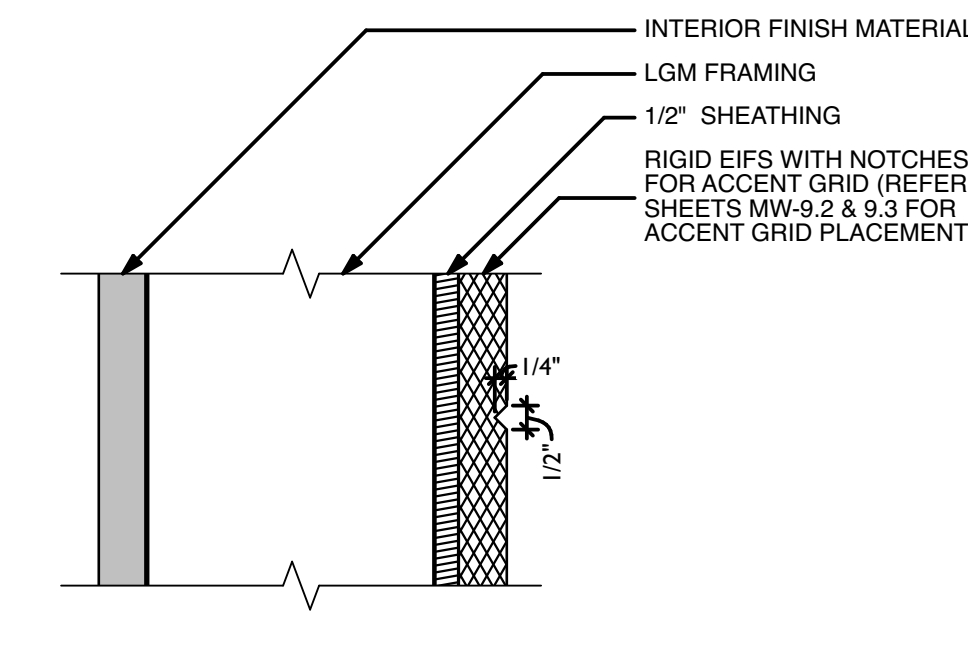


NOTE:
REFER TO SHEET MW-6.11
FOR CRICKET ASSEMBLY

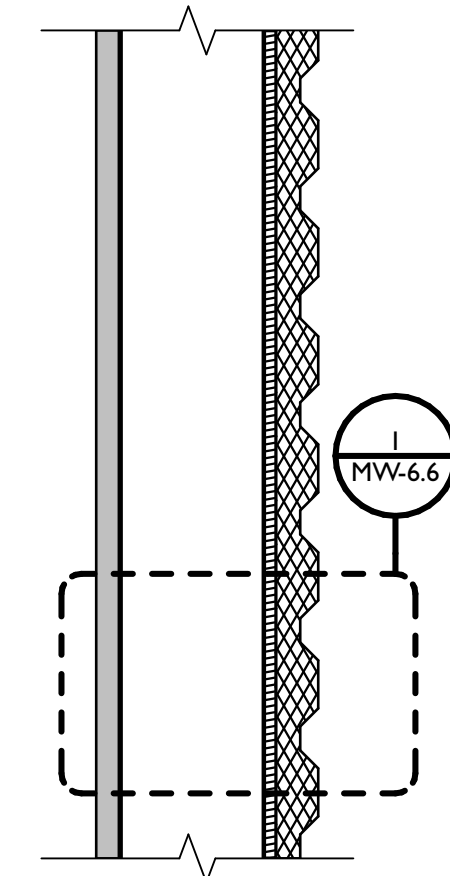
K CRICKET DETAIL
SCALE: 1 1/2" = 1'-0"



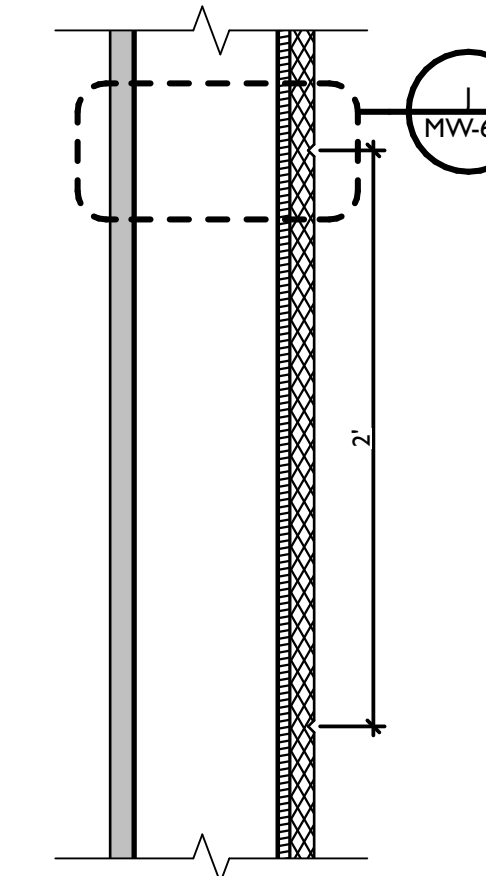
I EIFS GRID LINE ENLARGEMENT
SCALE: 3" = 1'-0"



J EIFS GRID LINE ENLARGEMENT
SCALE: 3" = 1'-0"



N SECTION DETAIL - EIFS (WAVE FORM)
SCALE: 1 1/2" = 1'-0"



O SECTION DETAIL - EIFS (GRID FORM)
SCALE: 1 1/2" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, Andrew Lee's Summit, MO

MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

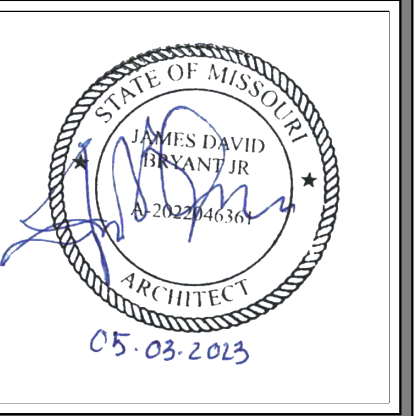
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

25 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



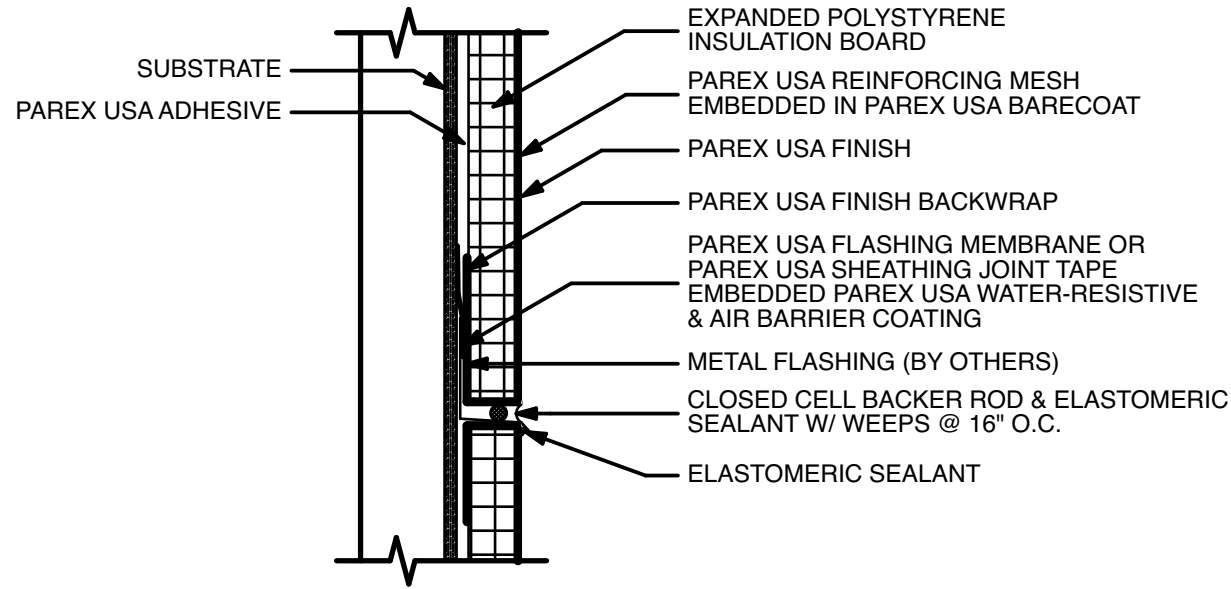
USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY

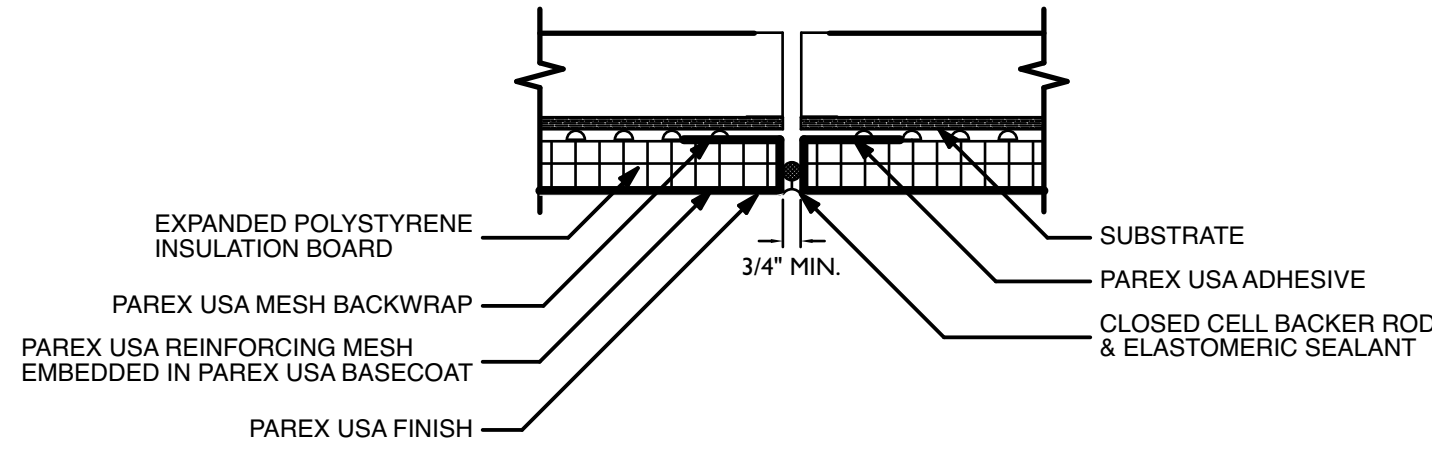
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET: **MW-6.6**

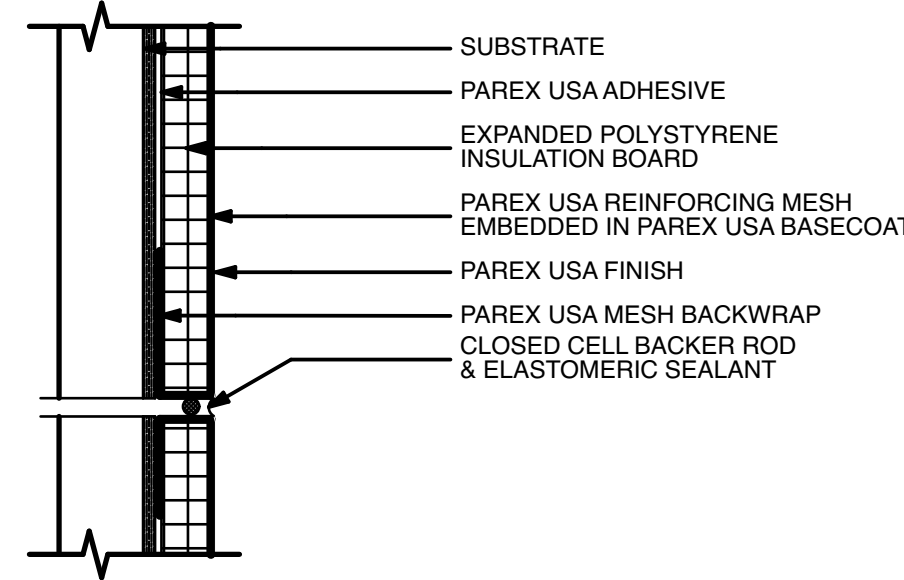
2D/3D DETAILS



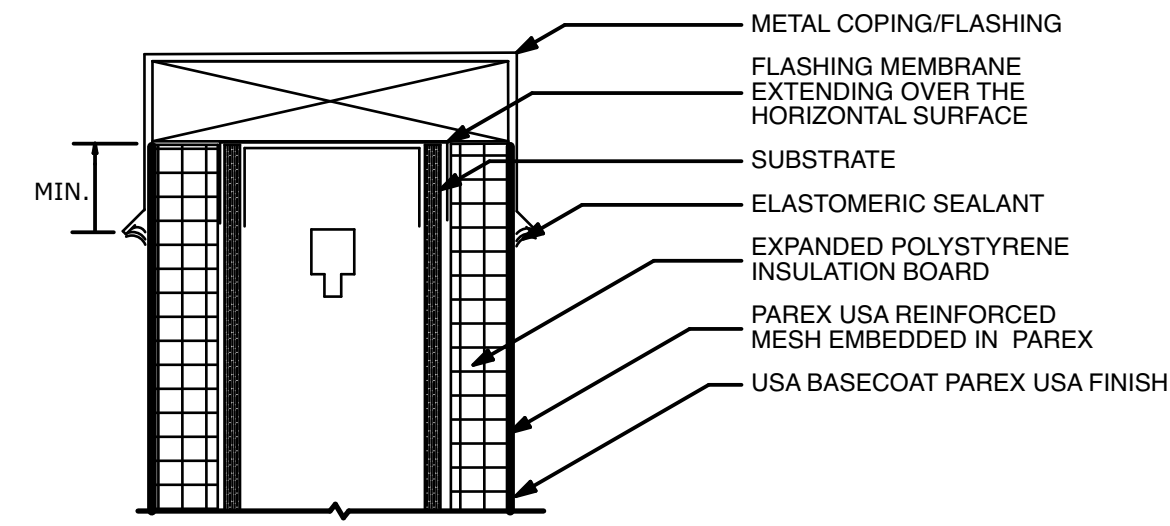
A EIFS - THROUGH SYSTEM FLASHING
SCALE: 1 1/2" = 1'-0"



B EIFS - VERTICAL EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"



C EIFS - HORIZONTAL EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"



E EIFS - PARAPET WALL AT CAP FLASHING
SCALE: 1 1/2" = 1'-0"

REVISIONS	
ID	DESCRIPTION
0	05/03/2023 FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS, AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DESIGNS, DRAWINGS, AND/OR RENDERINGS ARE THE PROPERTY OF MODERNWASH INC. AND ILLUMINATED DESIGN INC. ANY UNAUTHORIZED REPRODUCTION OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. AND ILLUMINATED DESIGN INC. ANY UNAUTHORIZED REPRODUCTION OR DISTRIBUTION DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, ModernWash, Lee's Summit, MO



MODERNWASH
5220 SCOTTSMILLE ROAD
BOWLING GREEN, KY 42104

**MODEL: AXIOM BETA
RETAIL TOWER
2023**

26 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

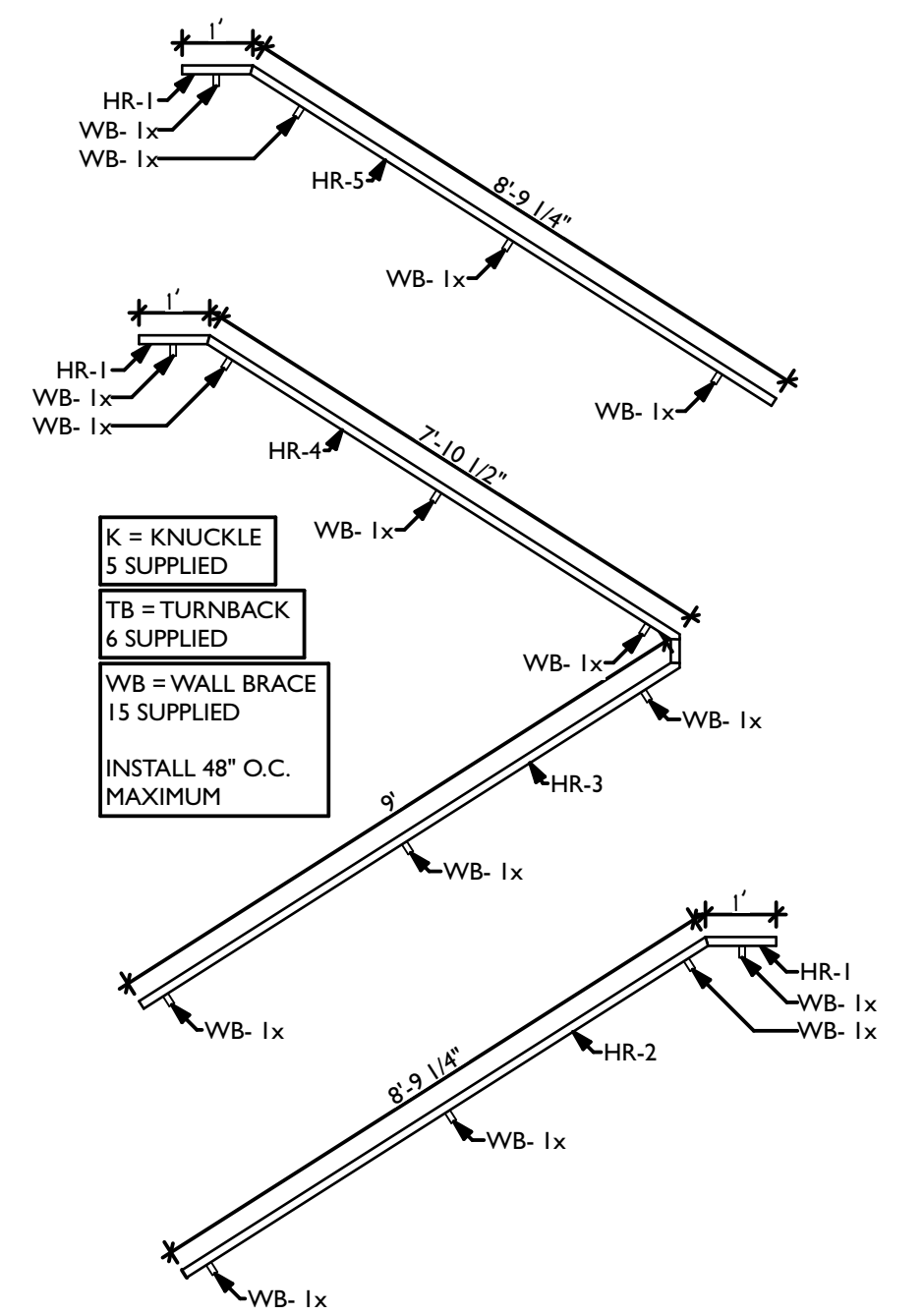


PRELIMINARY

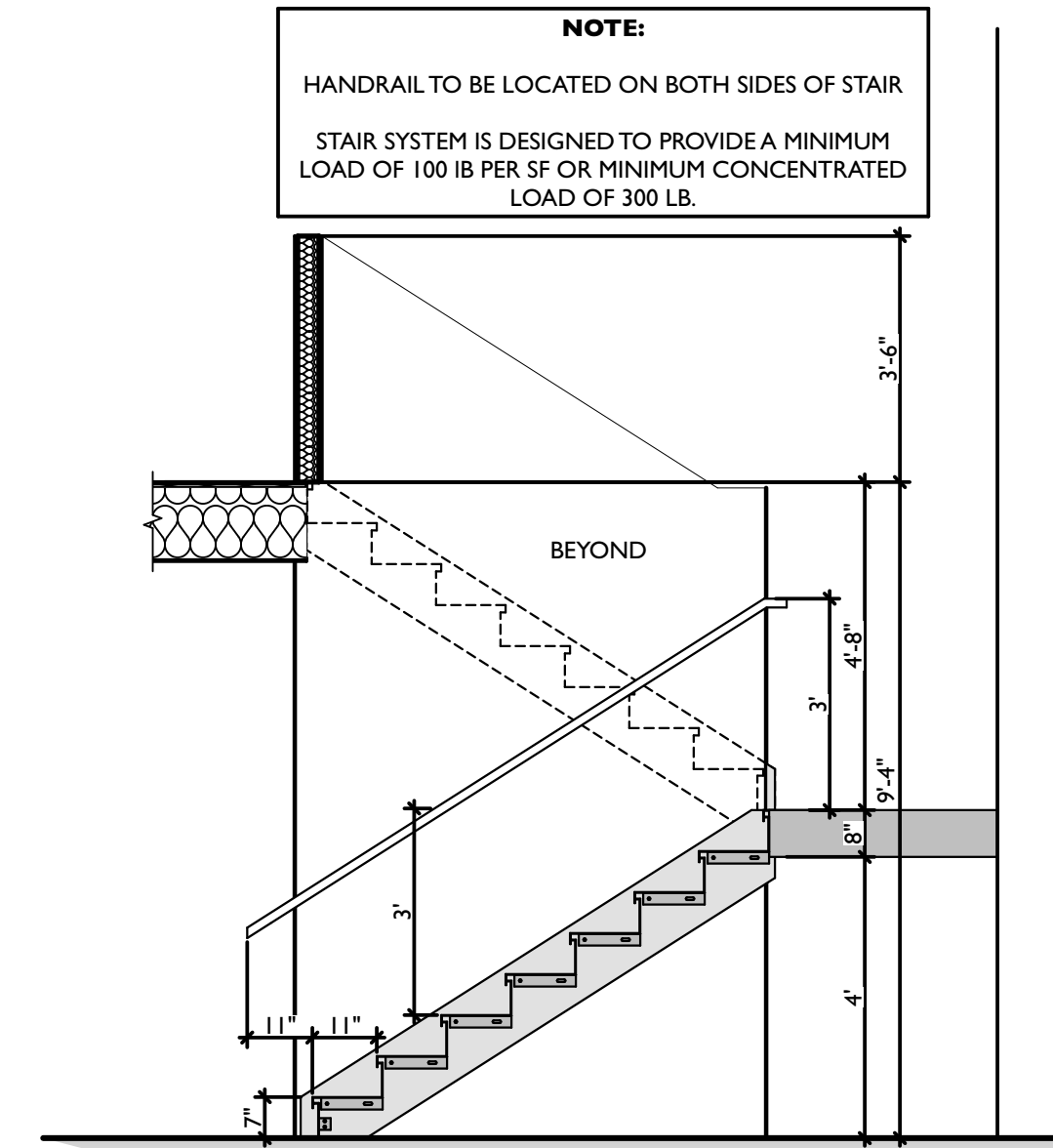
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET: **MV-6.7**

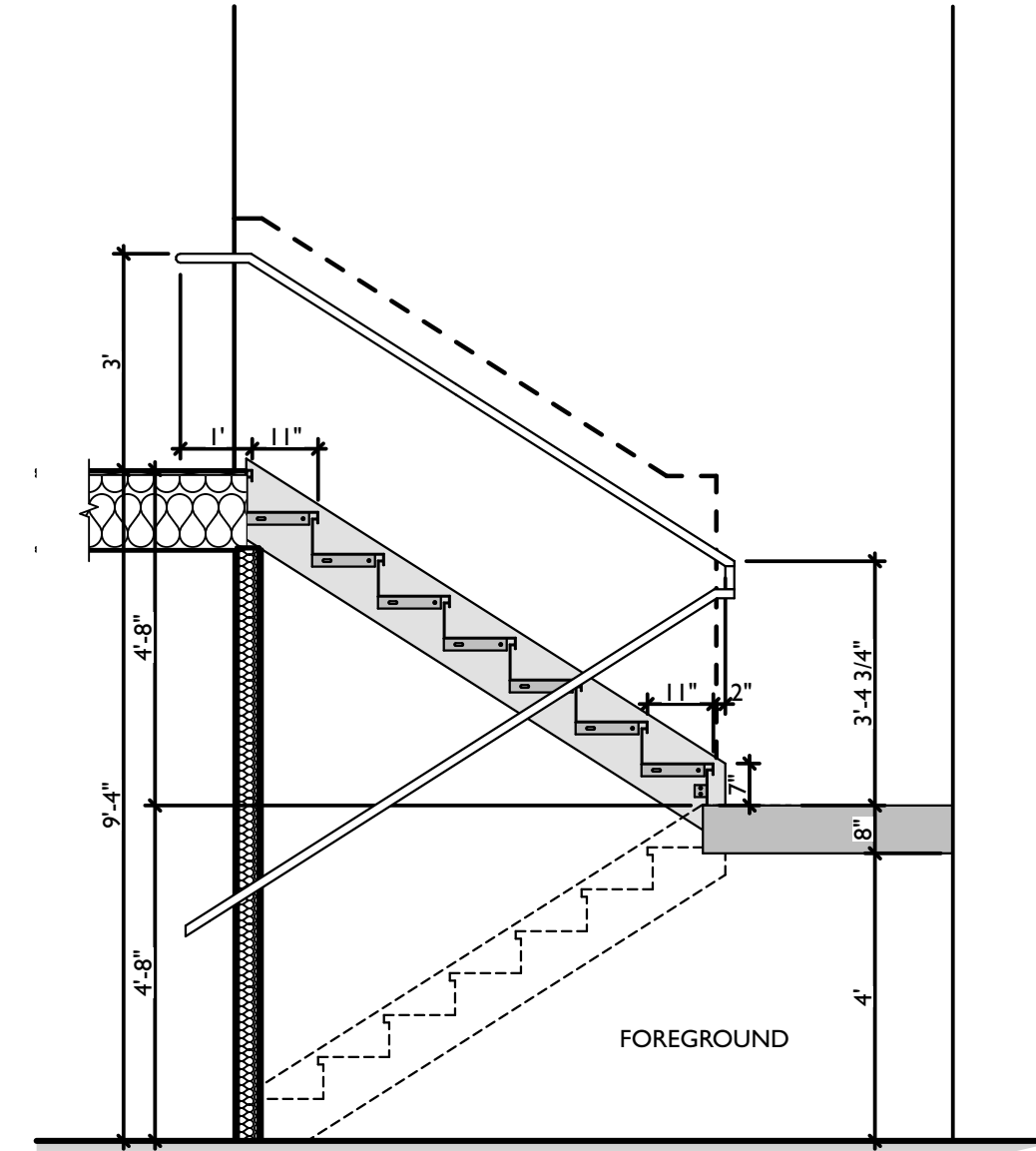
EIFS DETAILS



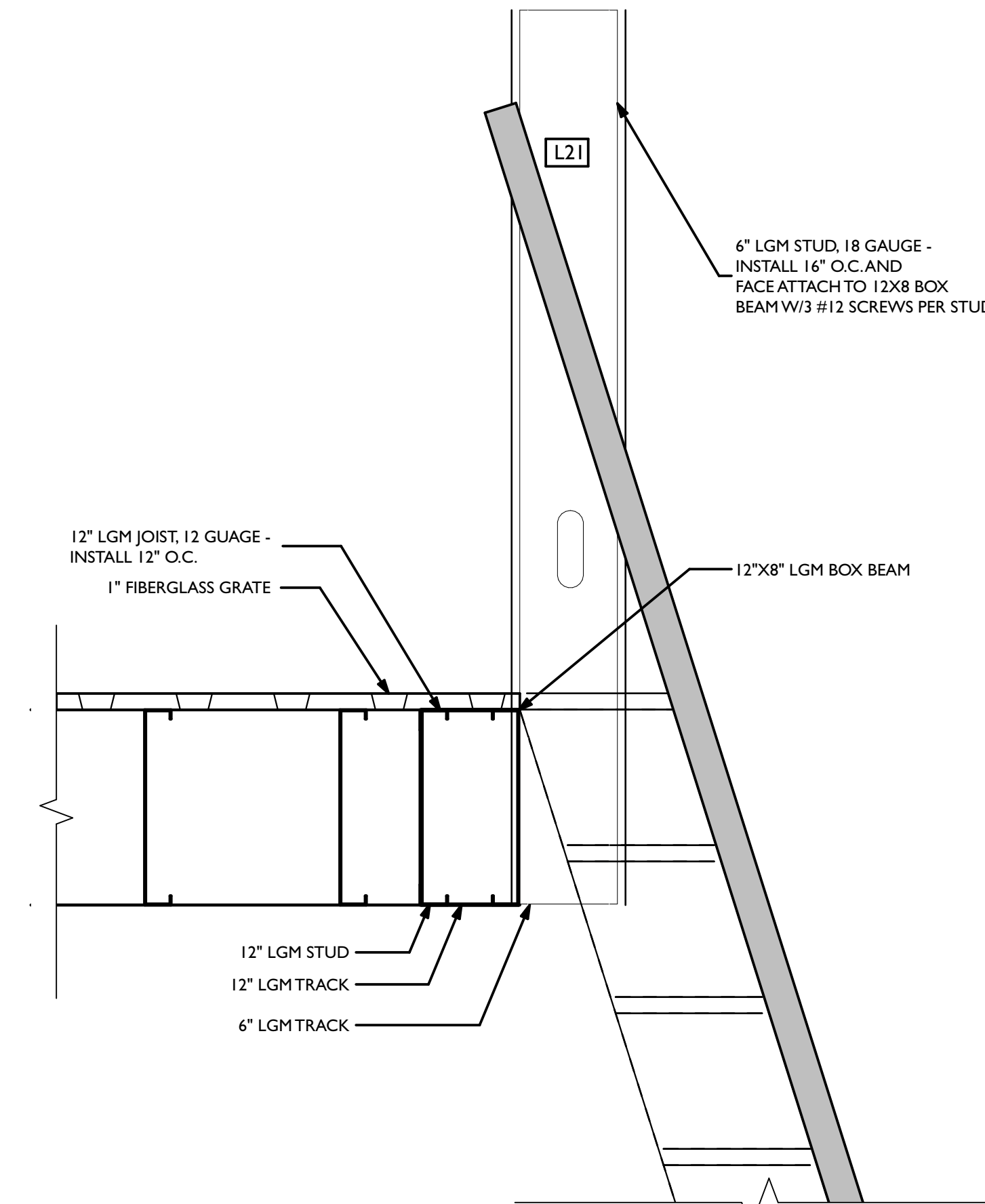
A HANDRAILS & MATERIALS
SCALE: 3/8" = 1'-0"



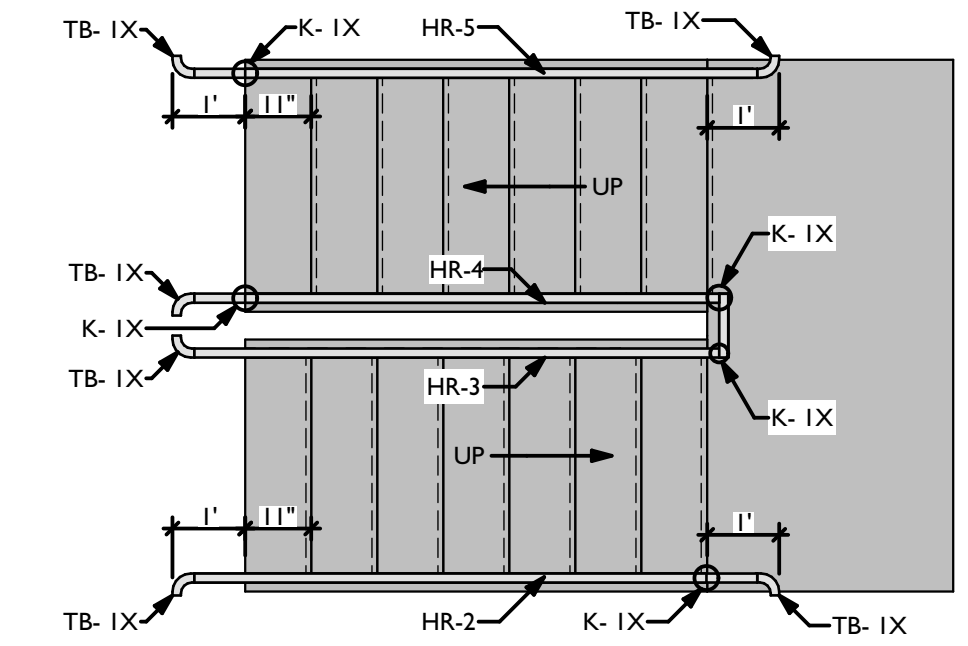
B SECTION - LOWER STAIRS
SCALE: 3/8" = 1'-0"



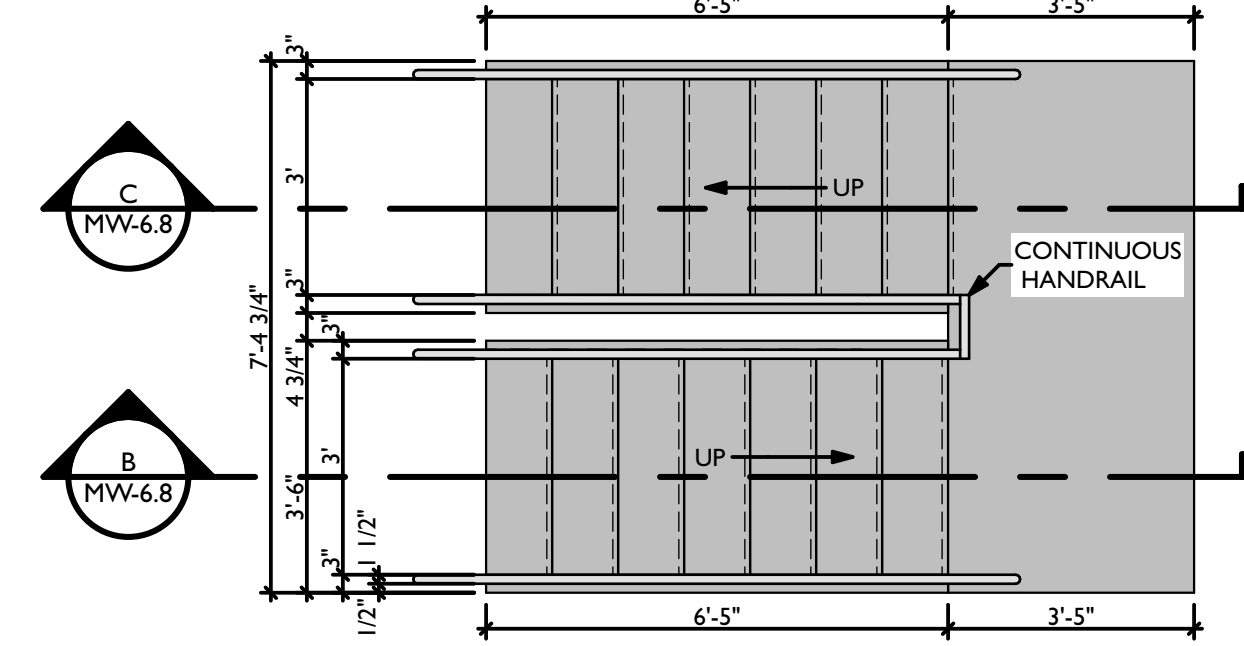
C SECTION - UPPER STAIRS
SCALE: 3/8" = 1'-0"



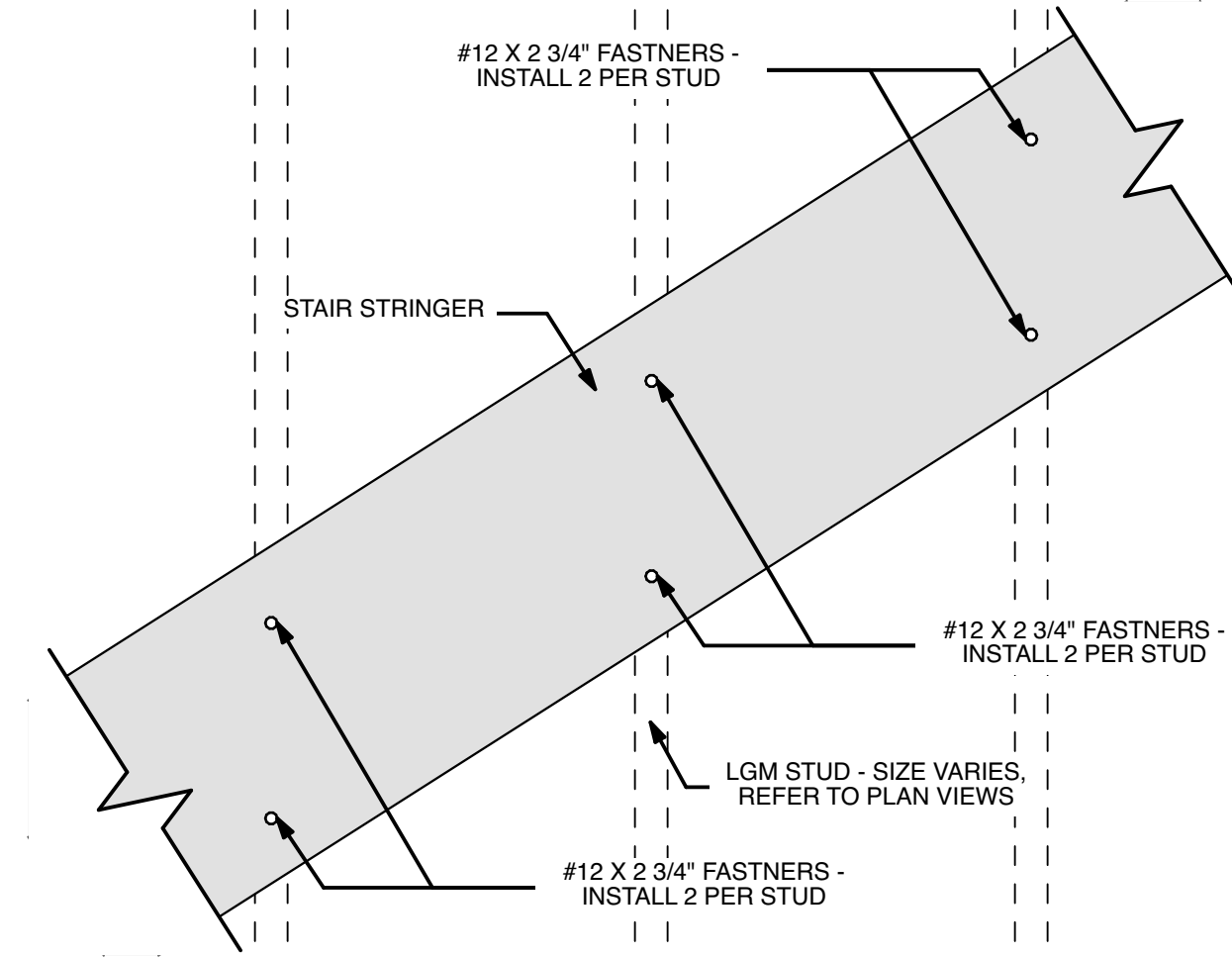
D SECTION DETAIL - HALF WALL AT SHIP'S LADDER
SCALE: 1 1/2" = 1'-0"



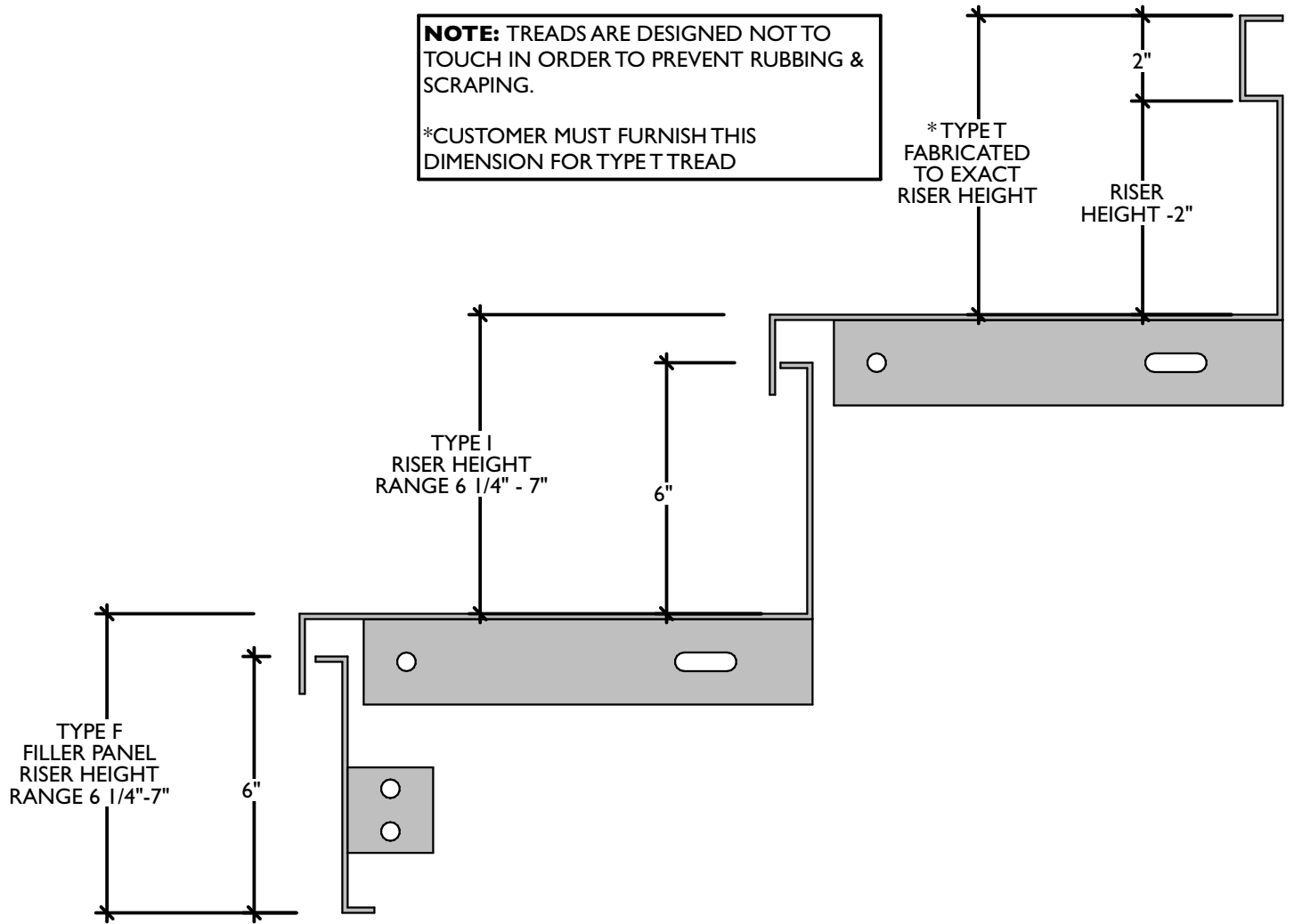
F STAIR MATERIAL PLAN
SCALE: 3/8" = 1'-0"



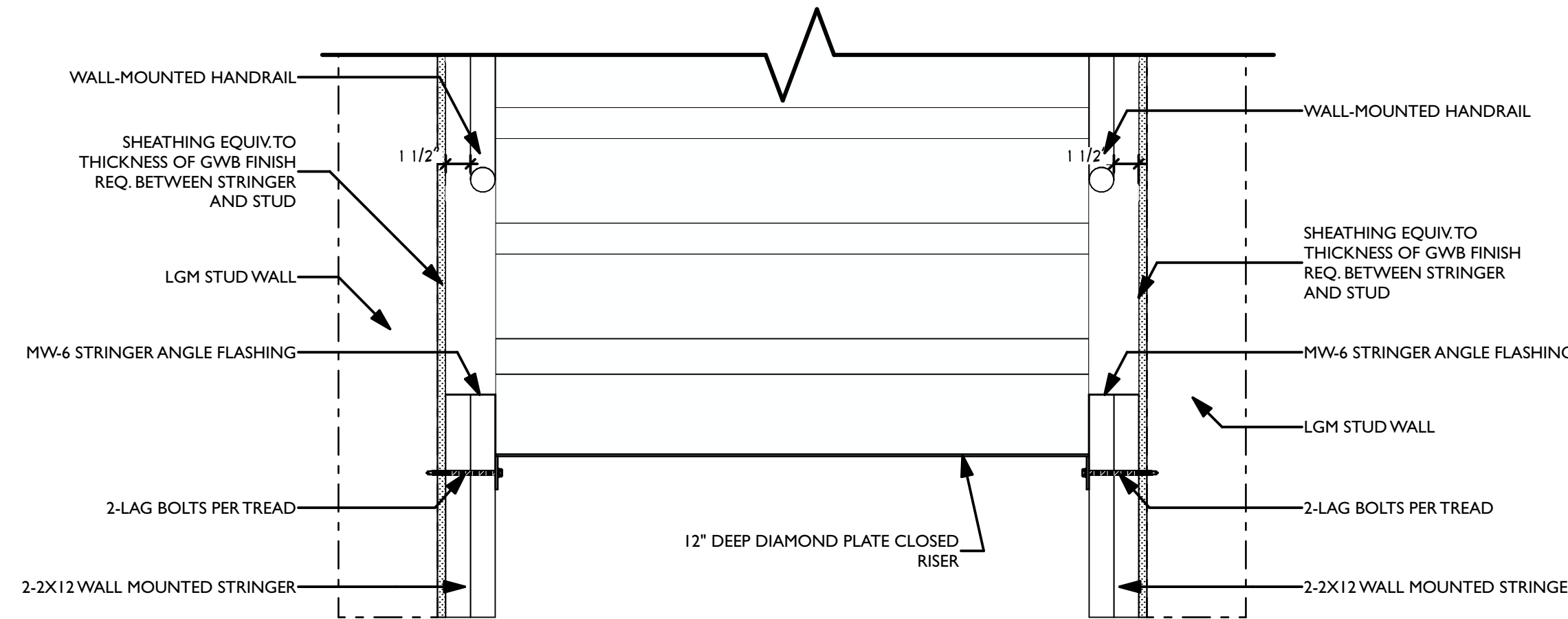
G STAIR PLAN
SCALE: 3/8" = 1'-0"



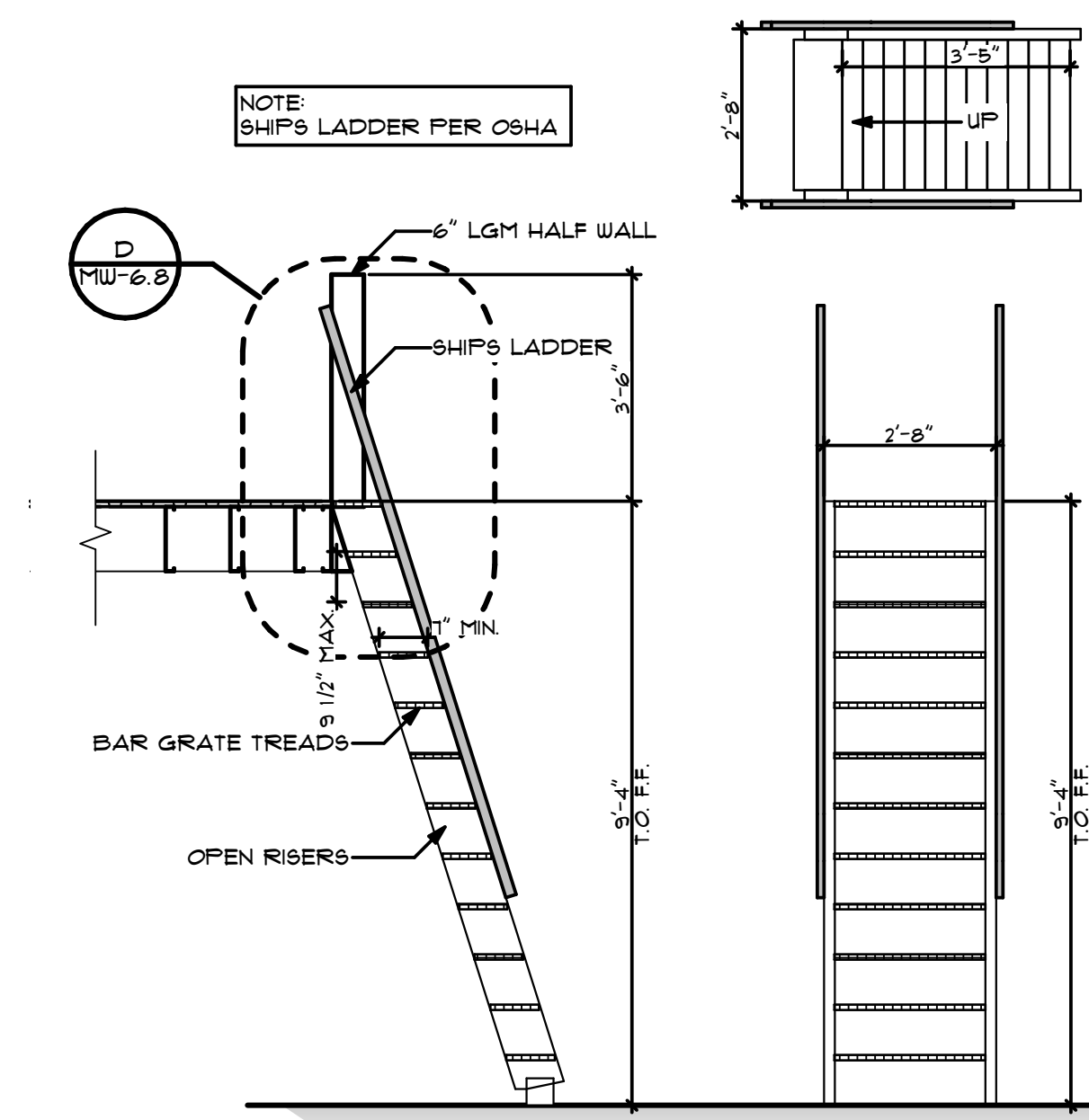
H STAIR STRINGER (TYP.)
SCALE: 1 1/2" = 1'-0"



K SECTION DETAIL - STAIR TREAD
SCALE: 3" = 1'-0"



L SECTION DETAIL - STAIR TREAD
SCALE: 1 1/2" = 1'-0"



O SECTION - SHIP'S LADDER
SCALE: 3/8" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN
DRAWINGS AND/OR RENDERINGS PREPARED FOR THE
SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE
DRAWINGS ARE THE PROPERTY OF MODERNWASH INC. ANY
REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE
DRAWINGS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.
IS PROHIBITED. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, ModernWash LLC's Summary

MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

**MODEL: AXIOM BETA
RETAIL TOWER
2023**

27 OF 39

NEW CAR WASH FOR:

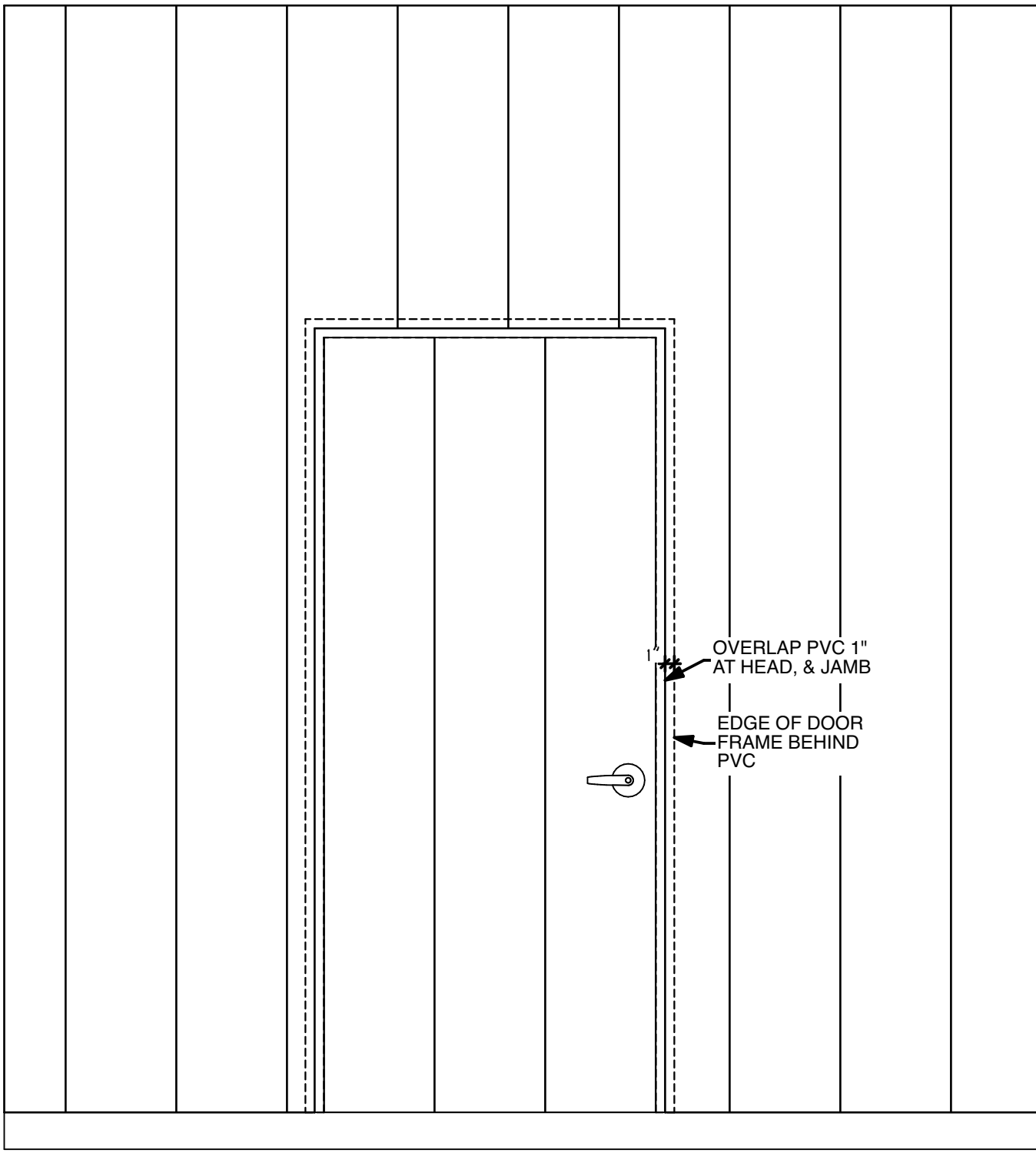
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

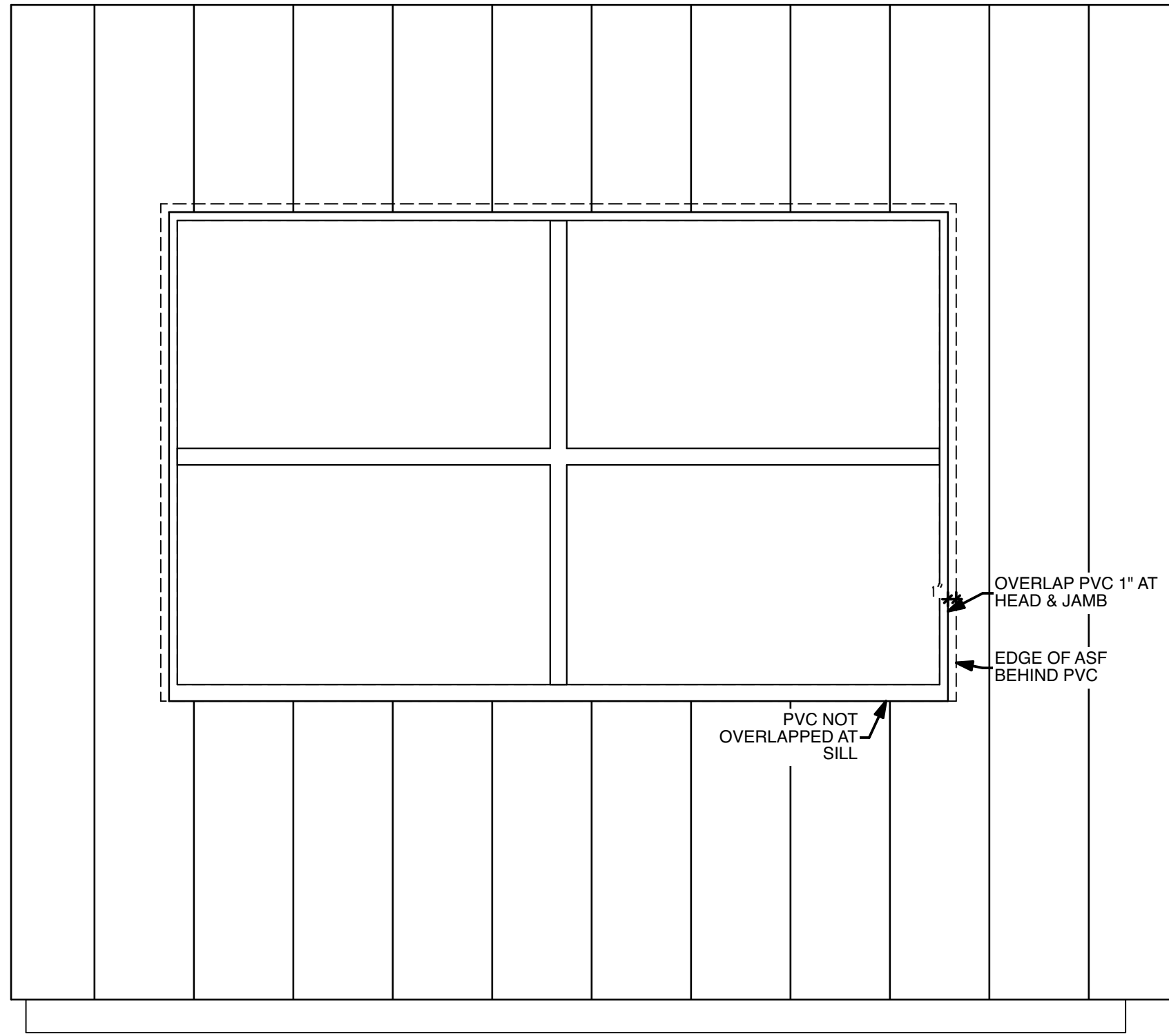
STATE OF MISSOURI
JAMES DAVID
ARCHITECT
05-03-2023

USE QR CODE
FOR MOST
CURRENT
PROJECT
DRAWINGS.

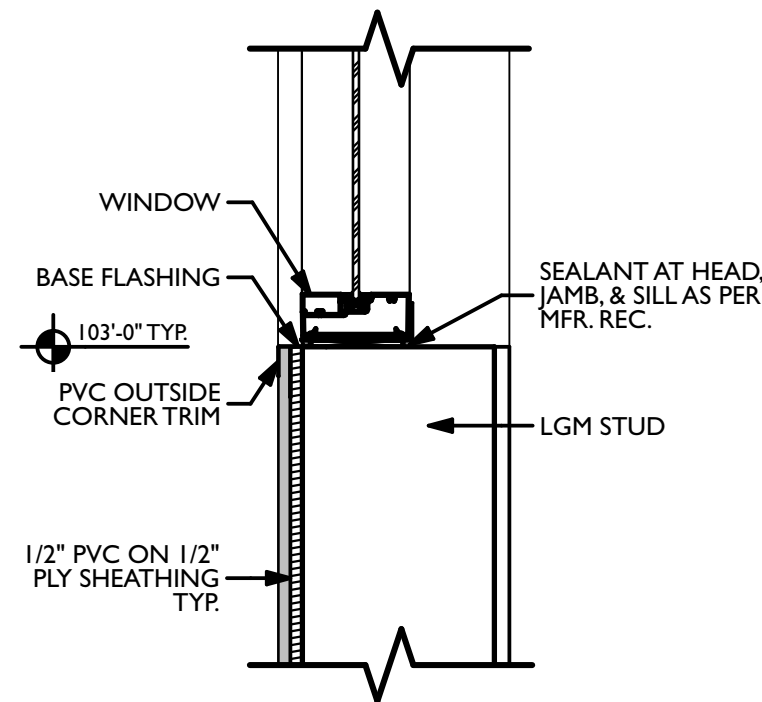
PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET: MV-6.8
STAIR DETAILS



A PVC DETAIL
SCALE: 3/4" = 1'-0"

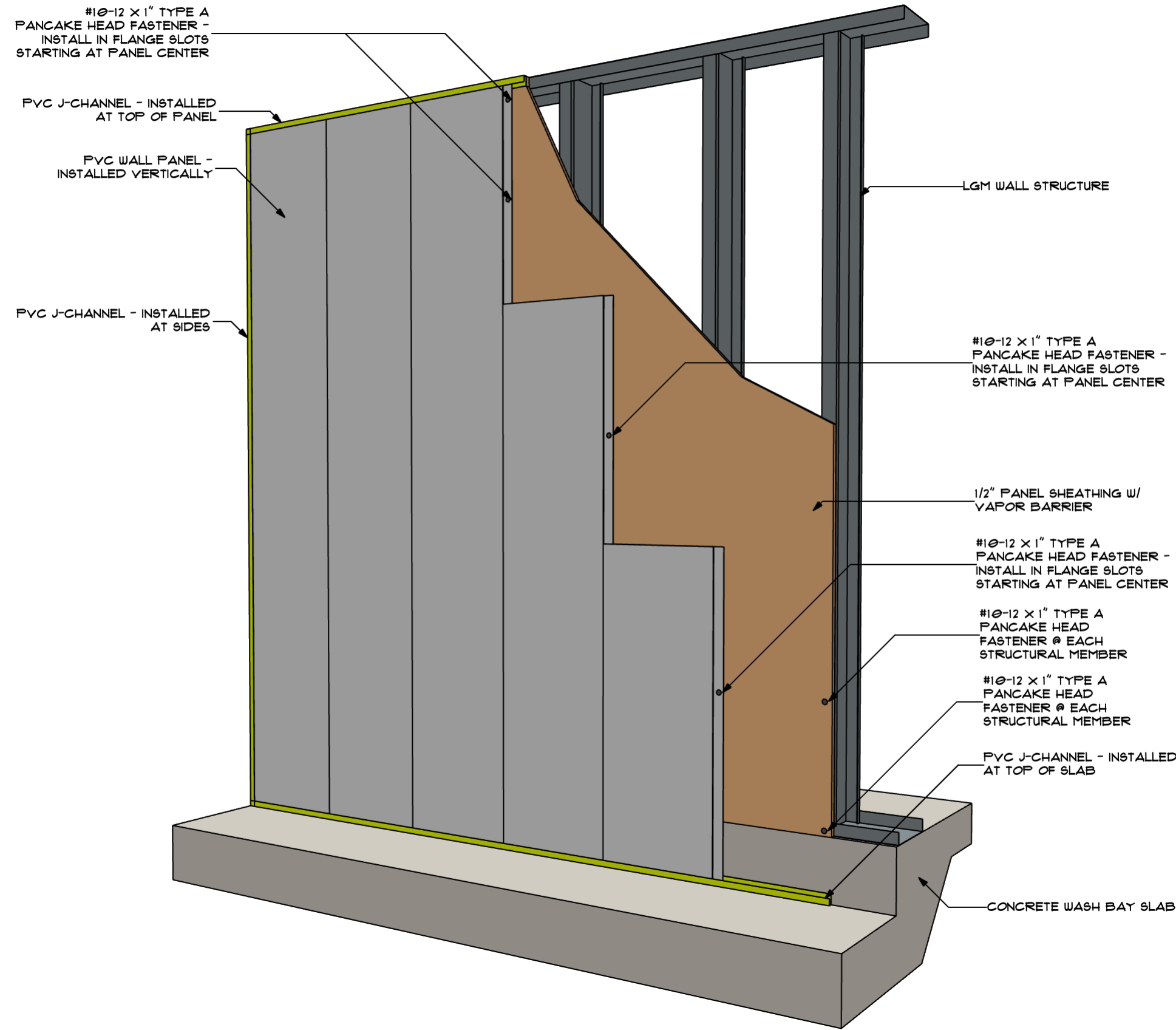


B PVC DETAIL
SCALE: 3/4" = 1'-0"



F PVC DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:
1. LEAVE A MINIMUM OF 1/4" CLEARANCE AT ENDS OF PANEL & TRIM TO ACCOUNT FOR THERMAL EXPANSION
2. INSTALL WITH A 1/16" GAP BETWEEN VERTICAL SEAMS



D PVC ASSEMBLY DETAIL
NOT TO SCALE

NOTE: DO NOT MECHANICALLY FASTEN THE PVC J-TRIM AT THE TOP OF WALL.

REVISIONS		DESCRIPTION
ID	DATE	FOR PERMIT
0	05/03/2023	

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REPRODUCTION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. IS STRICTLY PROHIBITED. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, ModernWash, LLC's Summary Page

MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

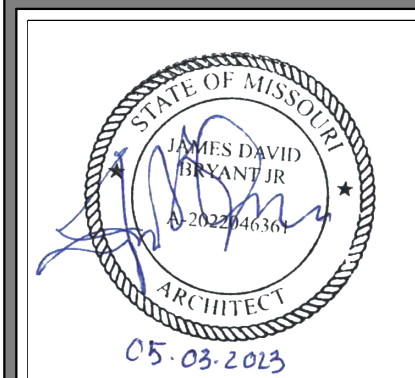
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

28 OF 39

NEW CAR WASH FOR:

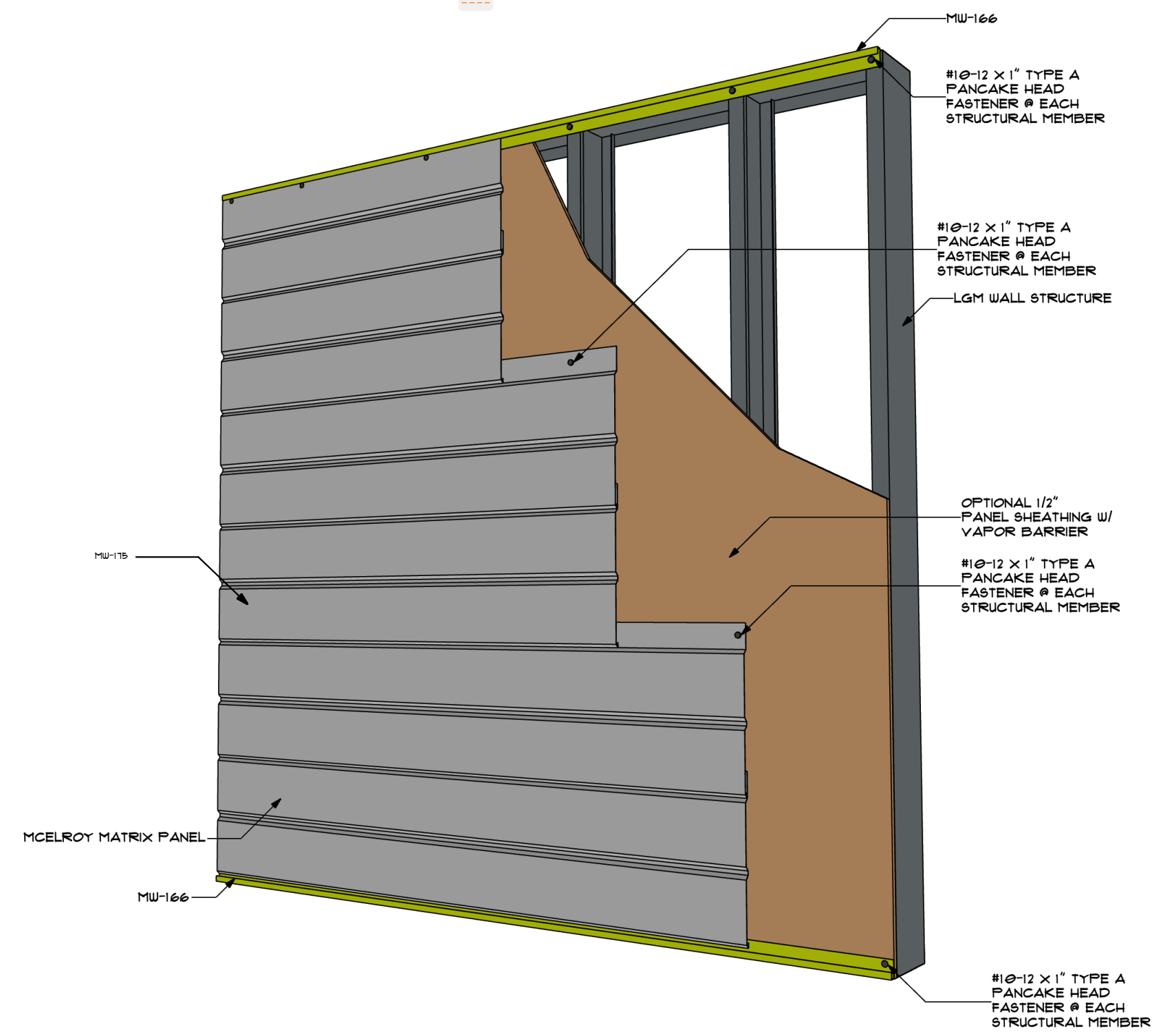
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

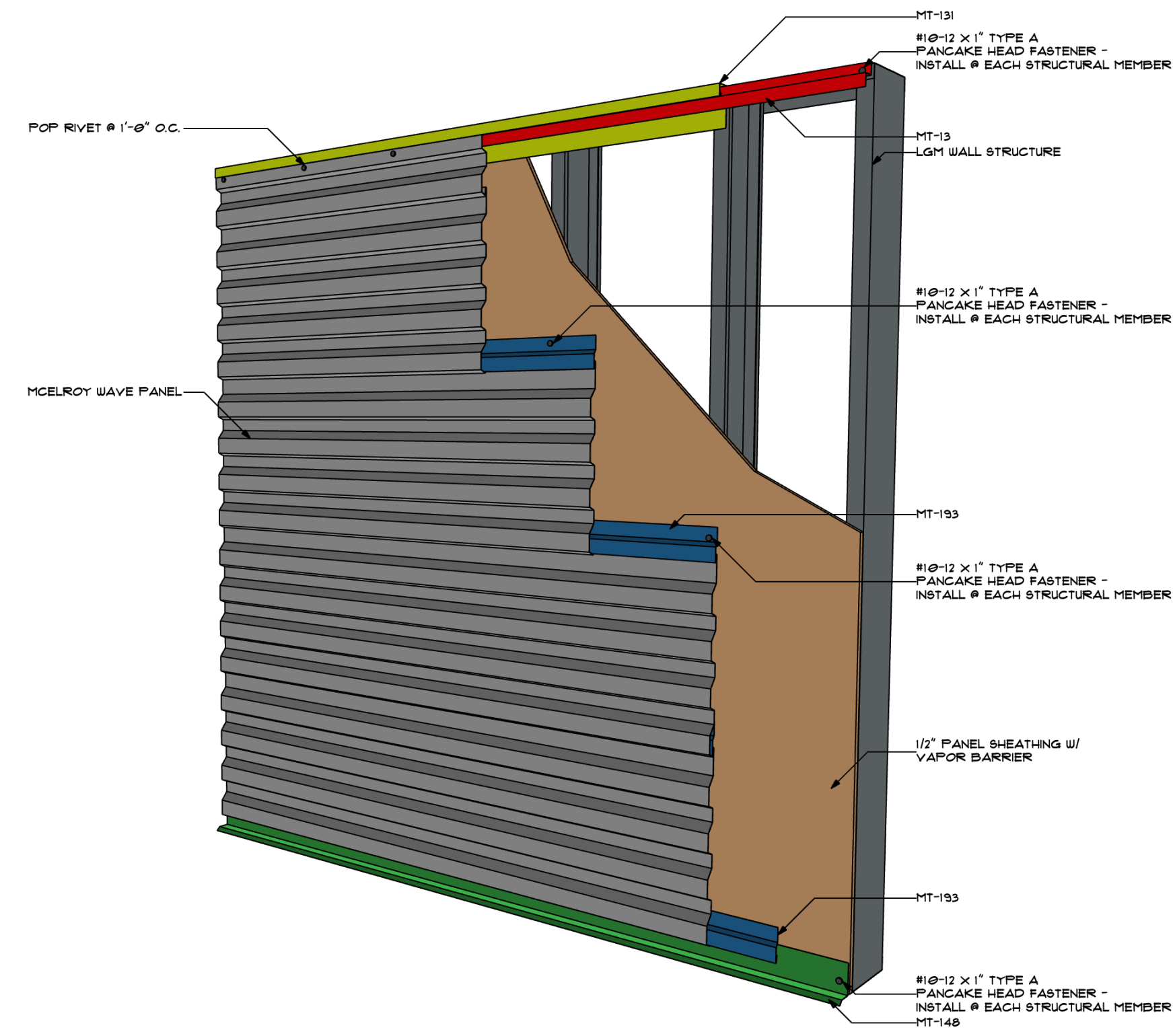


USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

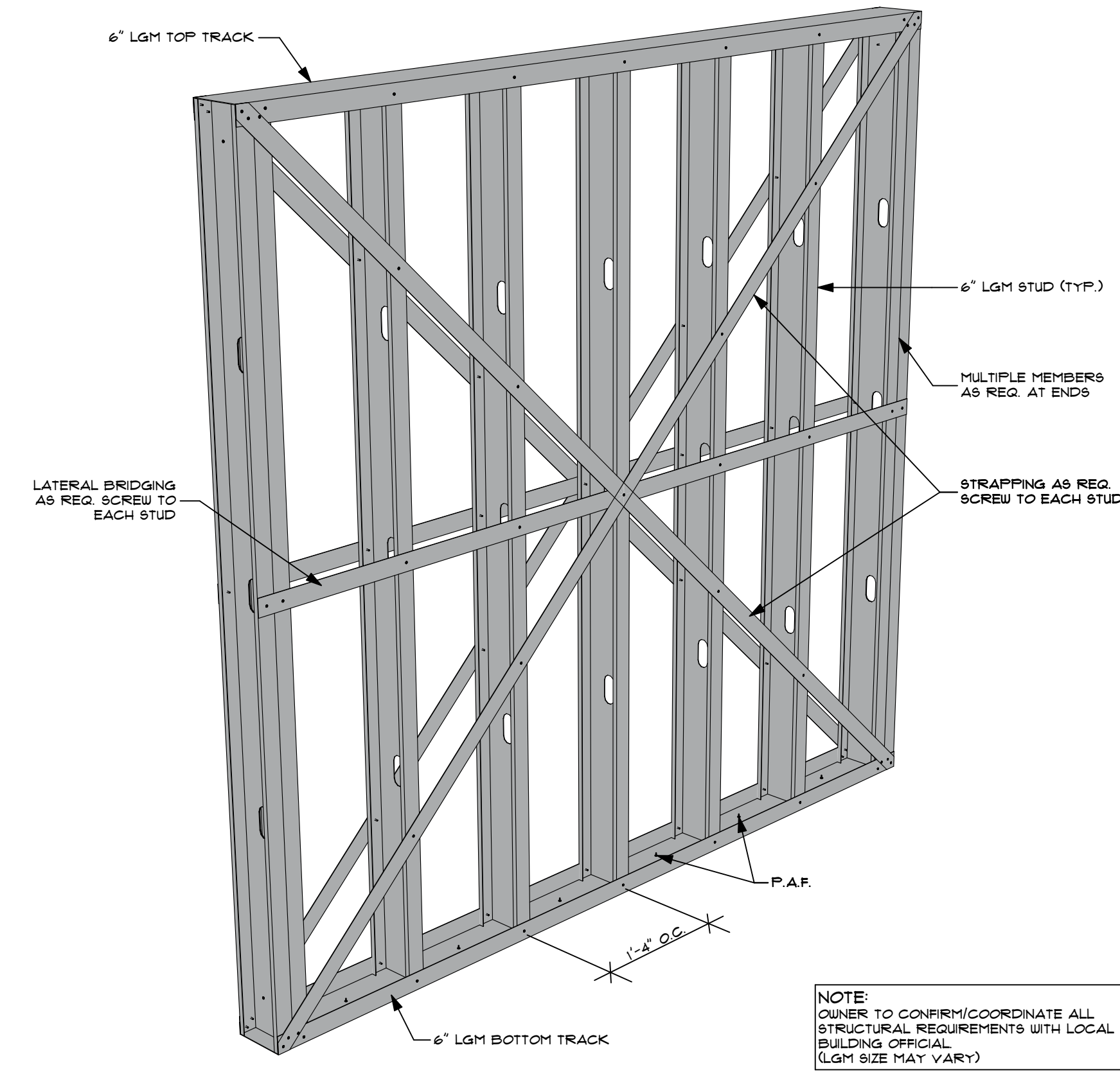
PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET: MW-6.9
PVC DETAILS



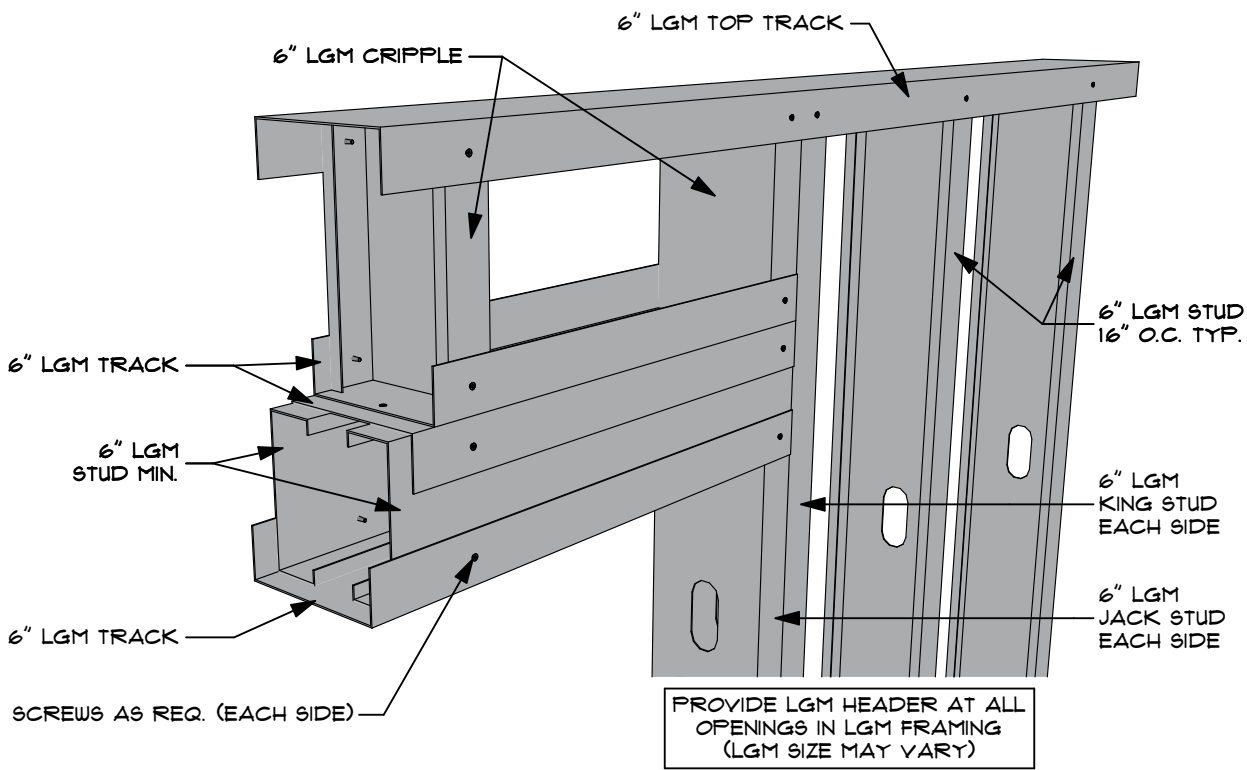
A MATRIX ASSEMBLY DETAIL
NOT TO SCALE



B WAVE ASSEMBLY DETAIL
NOT TO SCALE



D LGM FRAMING
SCALE: 1" = 1'-0"



F LGM HEADER
SCALE: 1" = 1'-0"

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS, AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DESIGNS, DRAWINGS, AND/OR RENDERINGS ARE THE PROPERTY OF MODERNWASH INC. AND ILLUMINATED DESIGNS INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. AND ILLUMINATED DESIGNS INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, Midwest Lee's Summit, Mo

MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

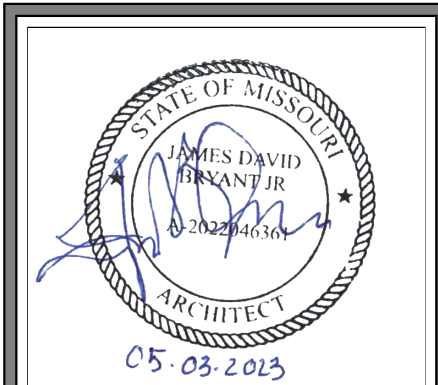
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

29 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



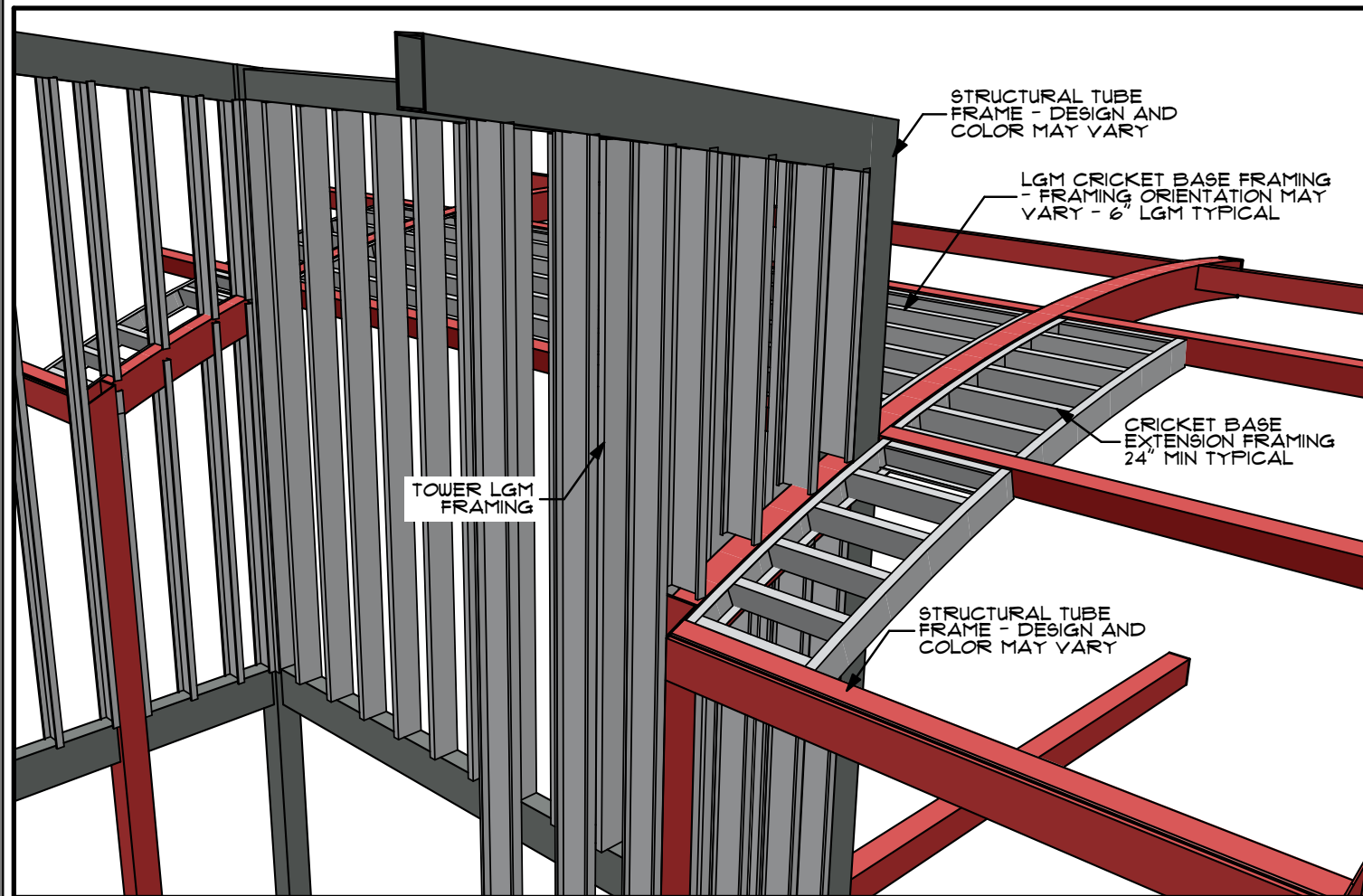
USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY

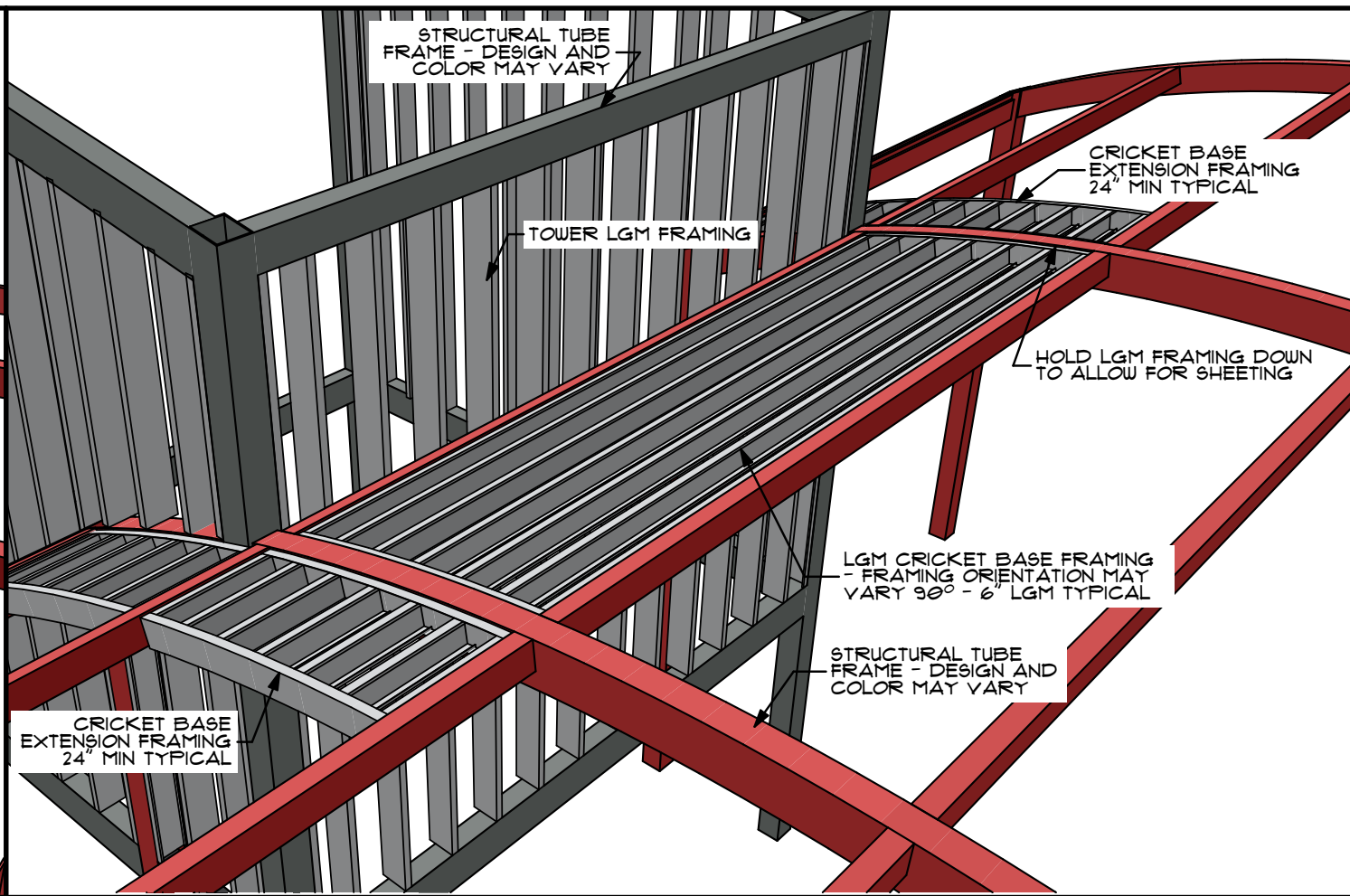
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####

SHEET:
MW-6.10

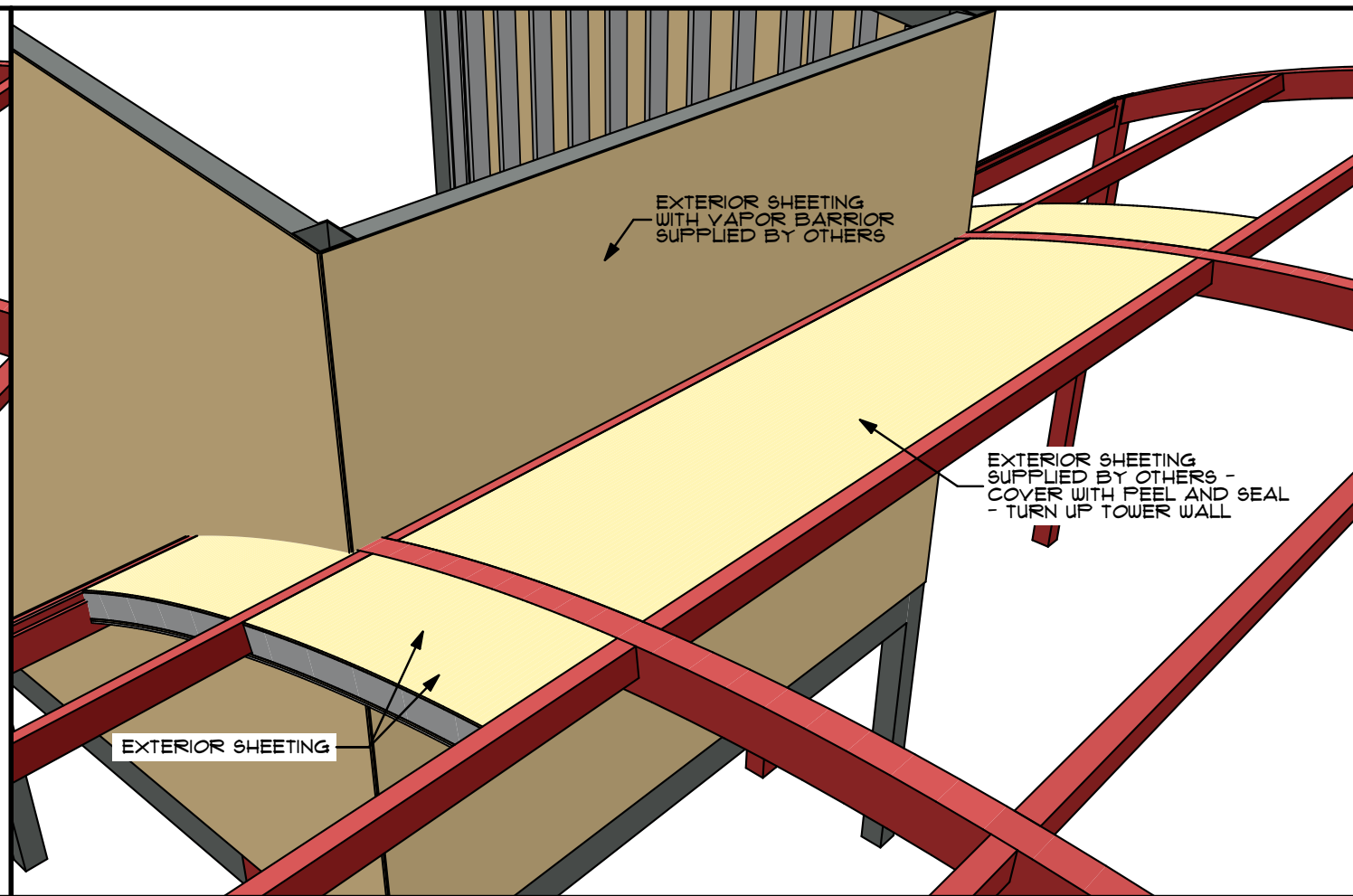
3D PVC & LGM DETAILS



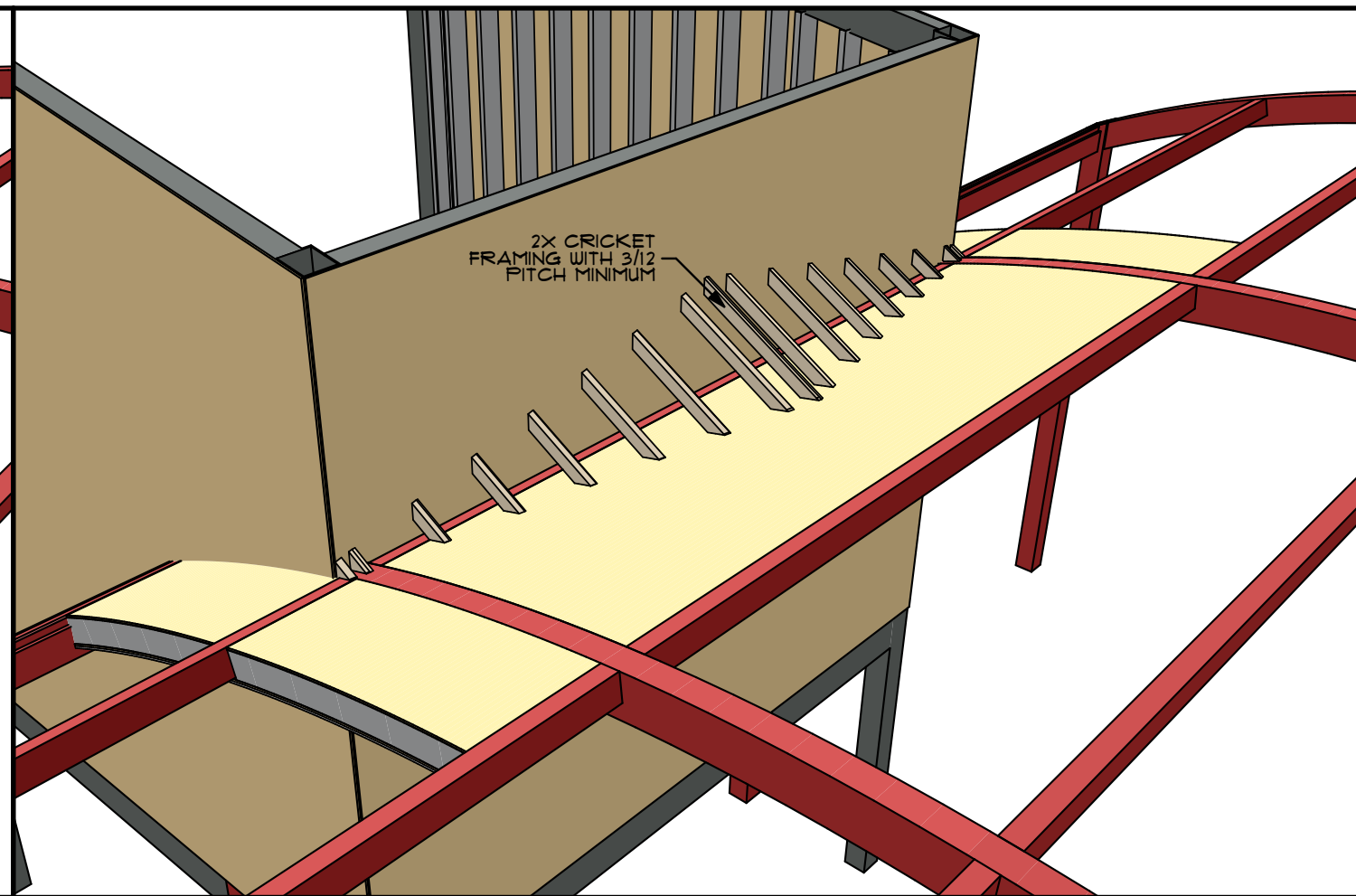
A CRICKET DETAIL - 01



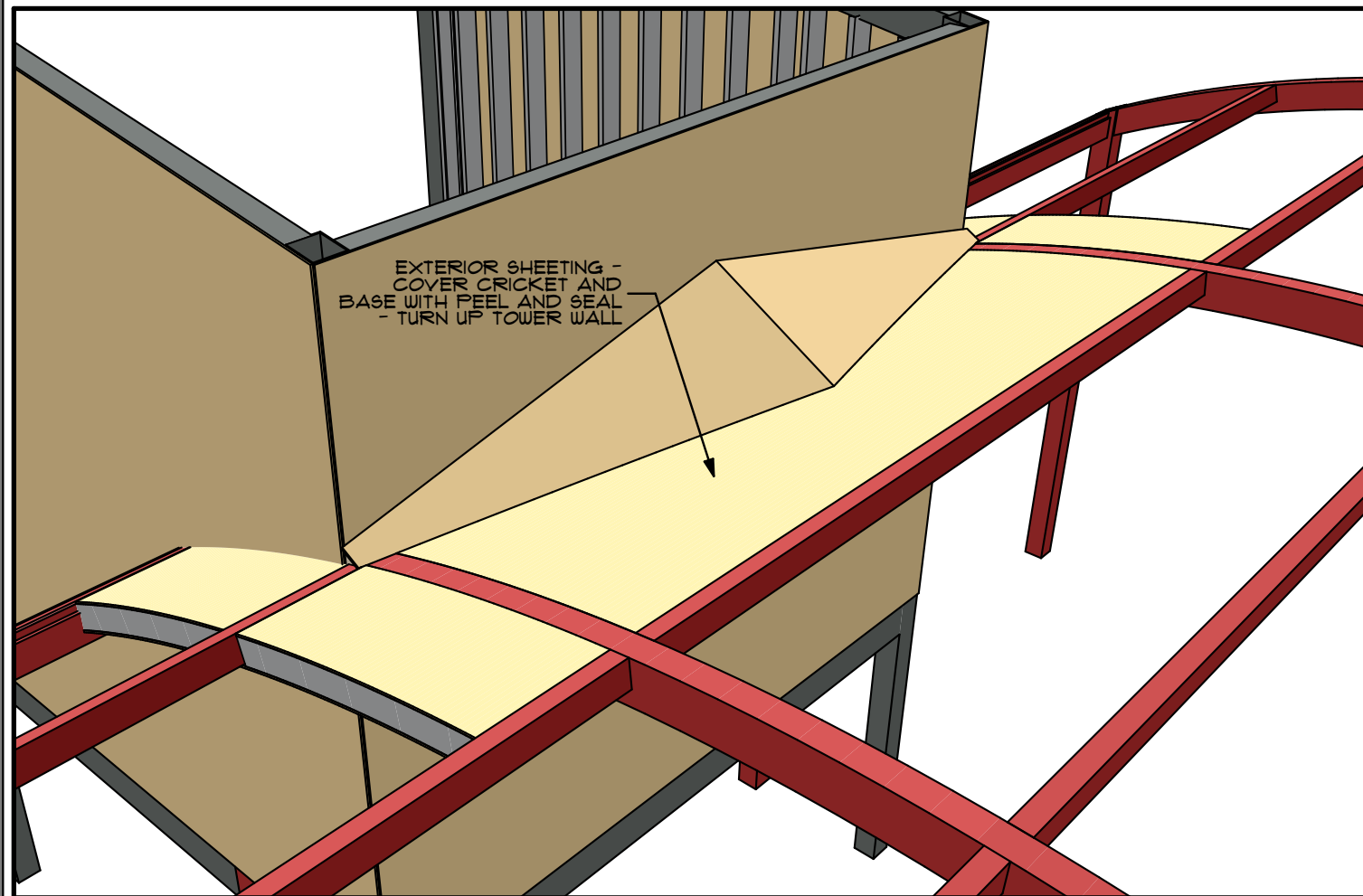
B CRICKET DETAIL - 02



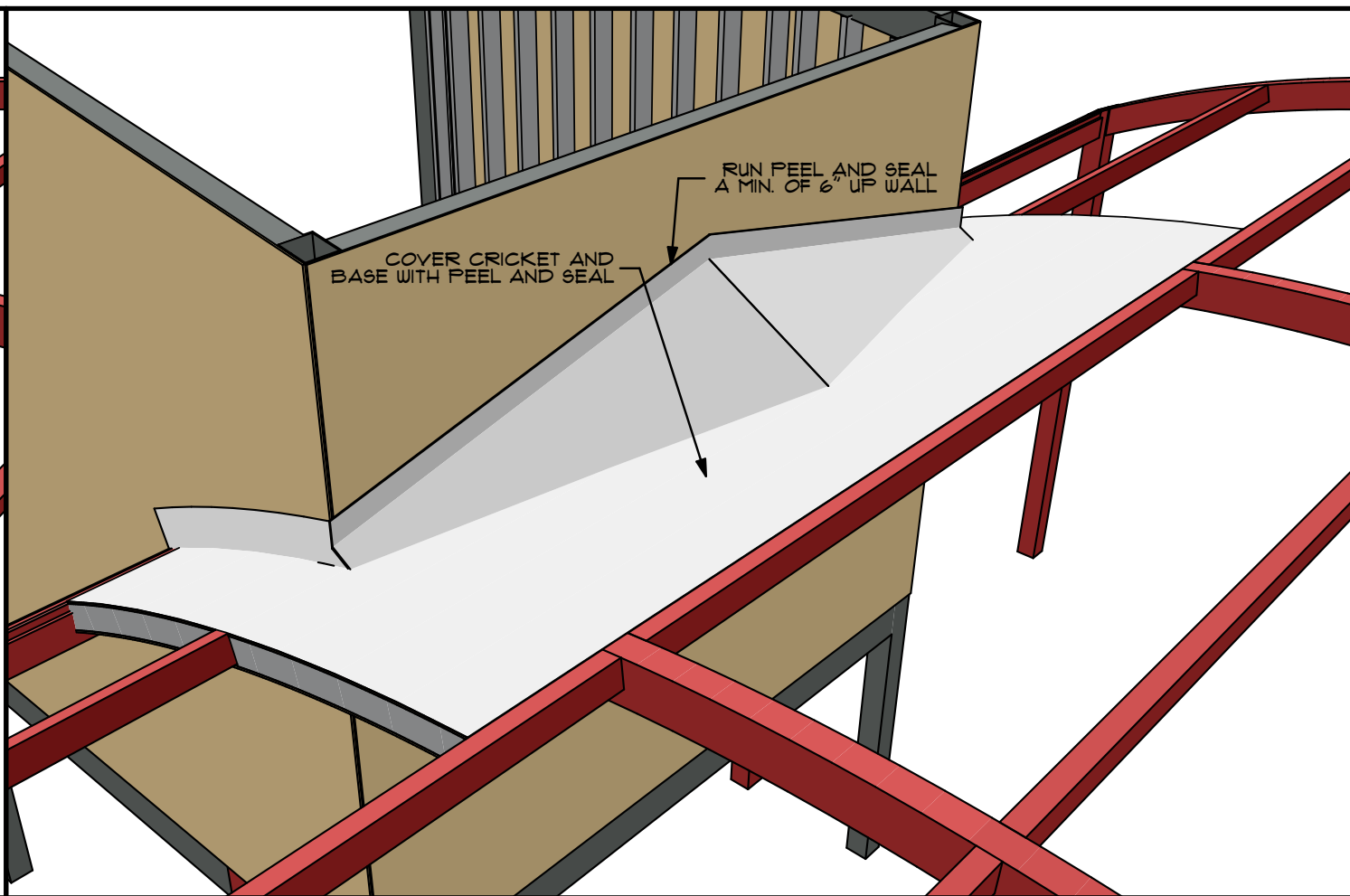
C CRICKET DETAIL - 03



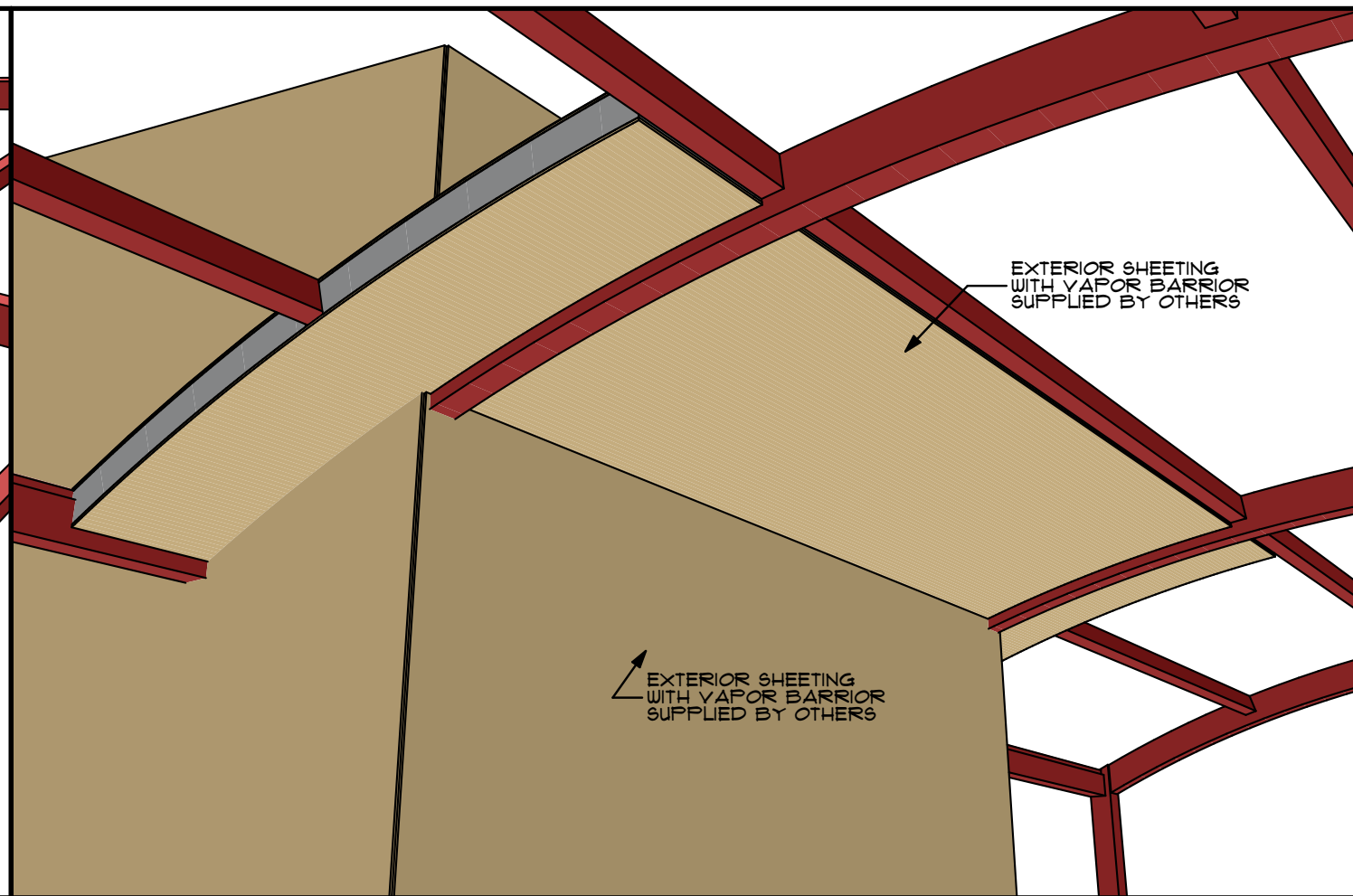
E CRICKET DETAIL - 04



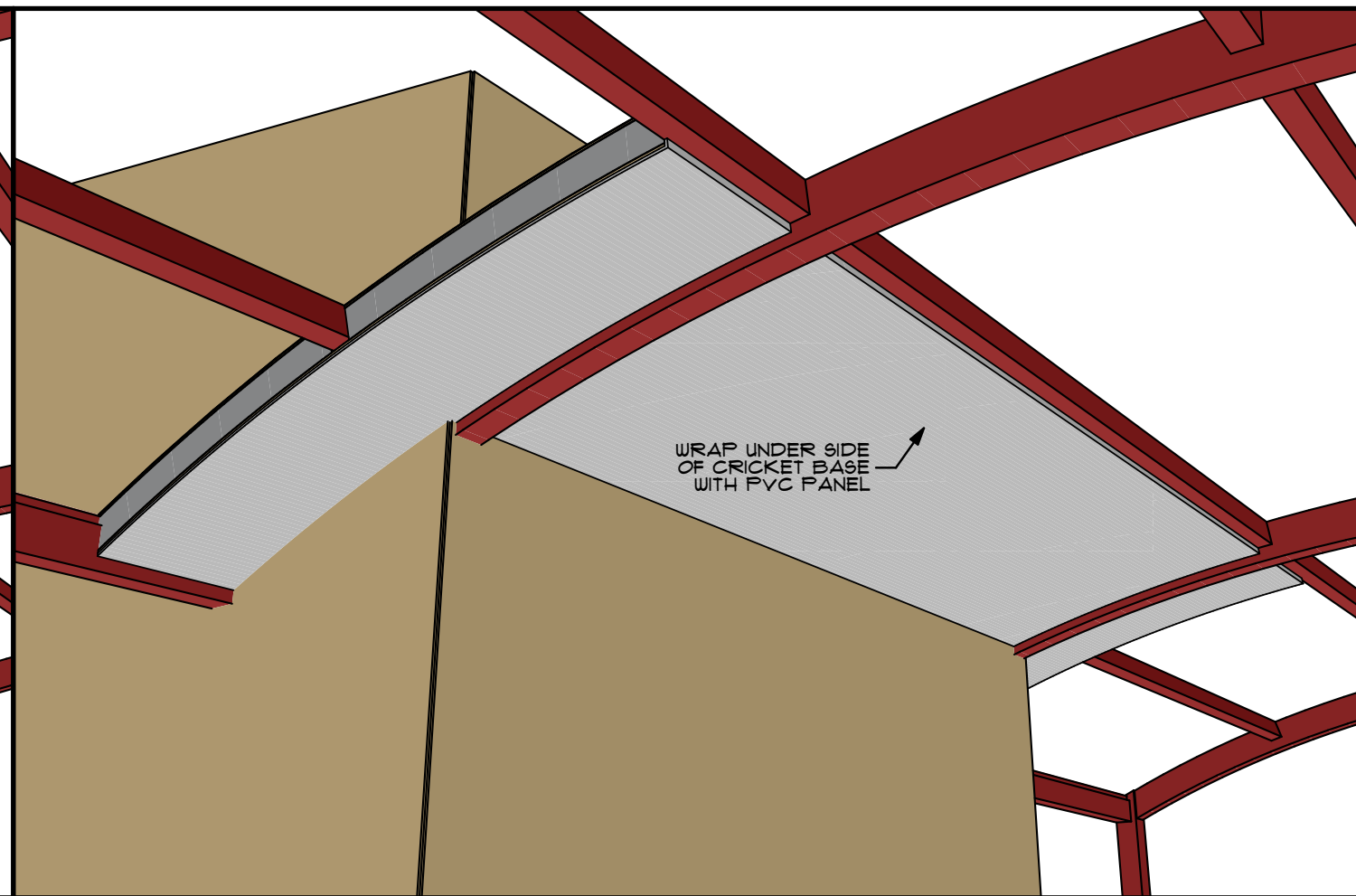
F CRICKET DETAIL - 05



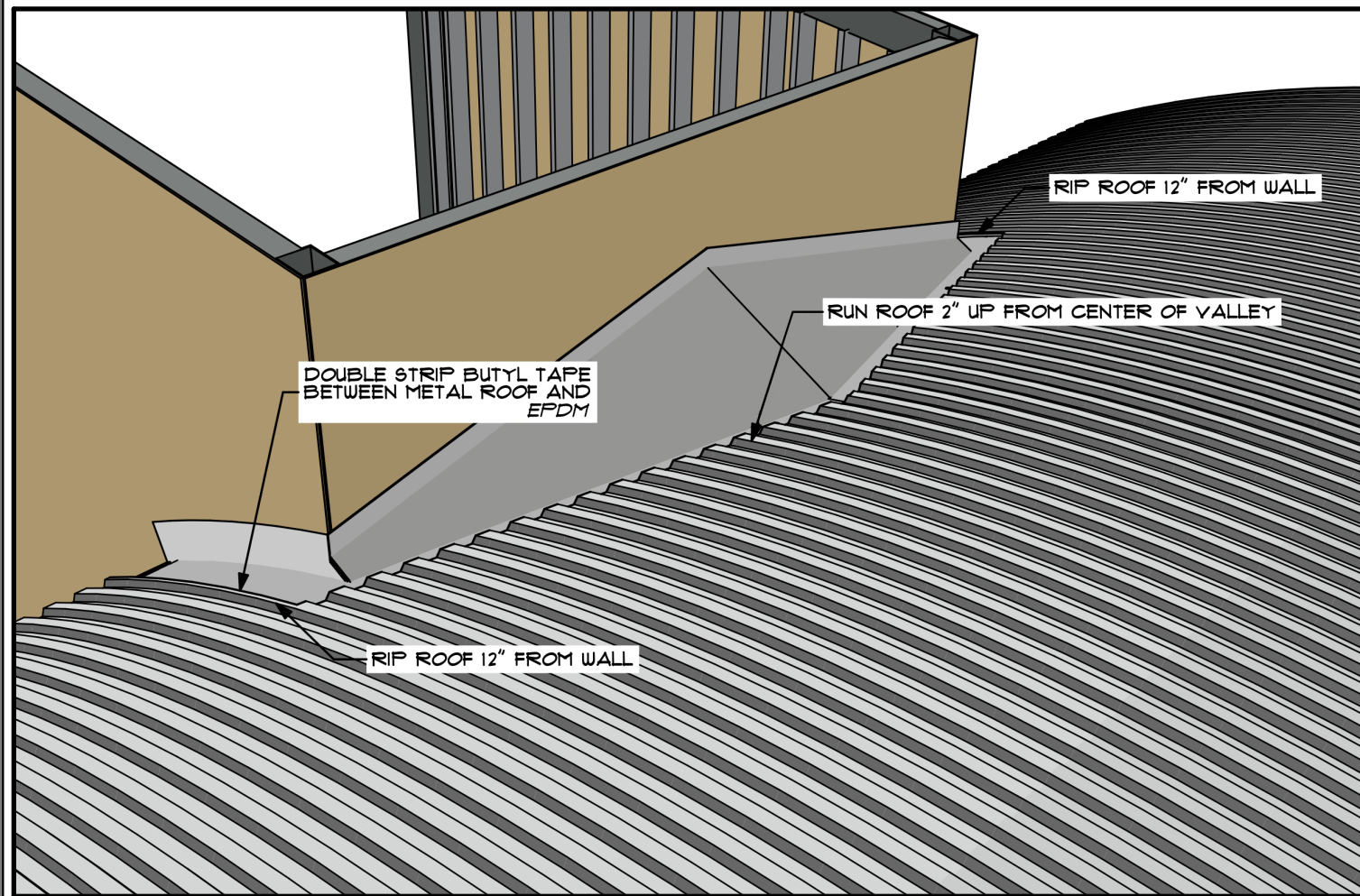
G CRICKET DETAIL - 06



H CRICKET DETAIL - 07



J CRICKET DETAIL - 08



K CRICKET DETAIL - 09

REVISIONS	
ID	DESCRIPTION
0	05/03/2023 FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITER'S PERMISSION. ANY REUSE OF THESE DRAWINGS WITHOUT THE WRITER'S PERMISSION IS STRICTLY PROHIBITED AND WILL BE CONSIDERED A VIOLATION OF THE WRITER'S RIGHTS OF REPRODUCTION.

MODERNWASH 2023
2022-21, Modern Wash, LLC's Summit, MO

MODERNWASH
5220 SCOTTSVILLE ROAD
BOWLING GREEN, KY 42104

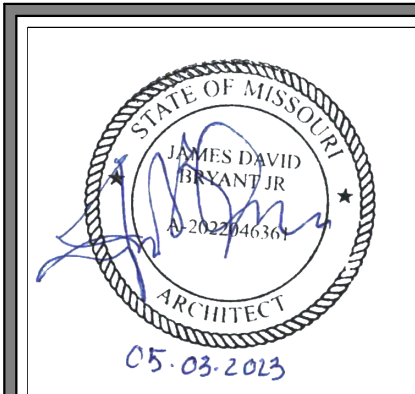
**MODEL: AXIOM BETA
RETAIL TOWER
2023**

30 OF 39

NEW CAR WASH FOR:

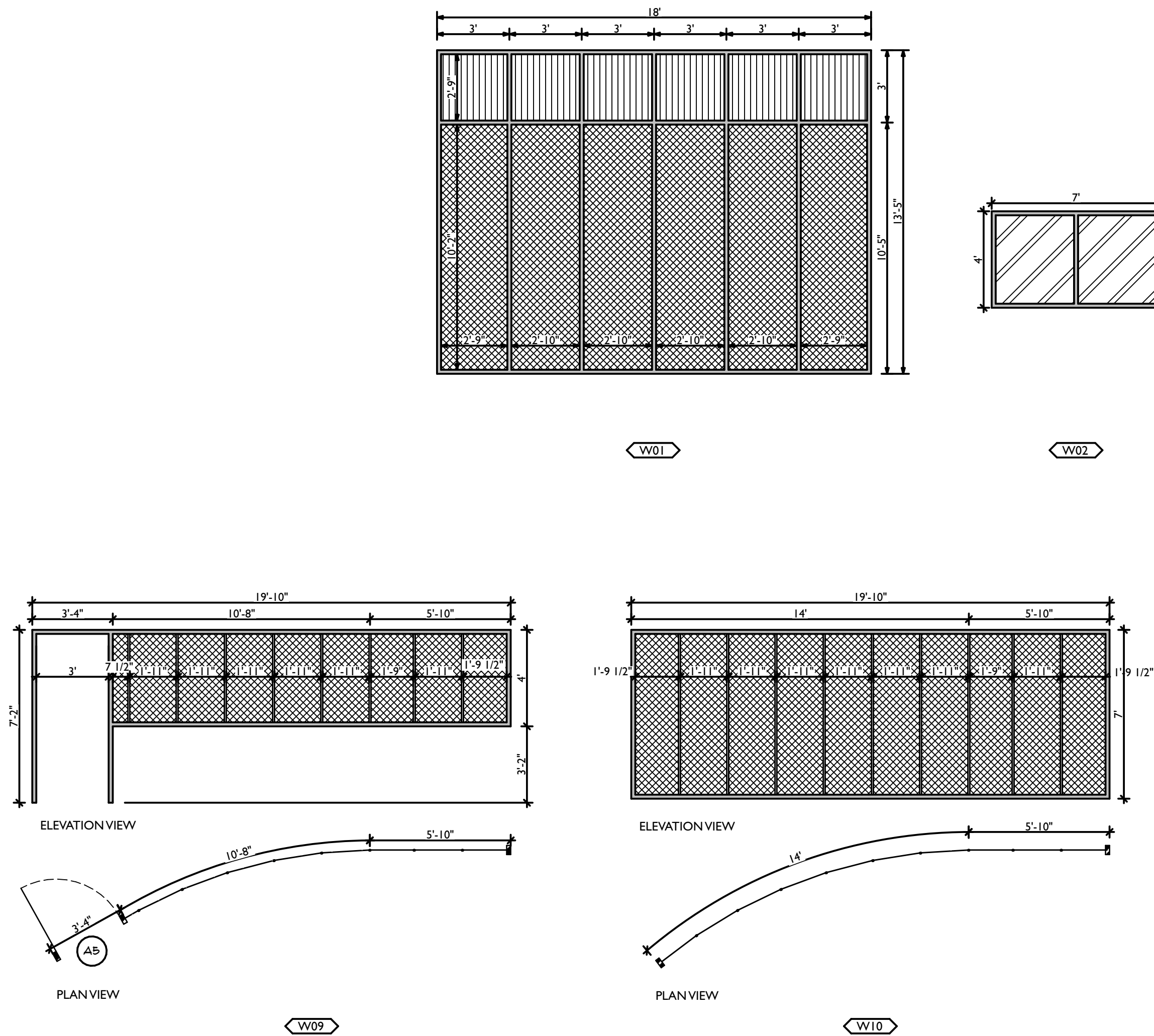
TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET:
MW-6.11
CRICKET DETAILS



LATCHSETS:	DOOR/WINDOW MATERIALS:	DOOR HARDWARE NOTE:	SAFETY GLAZING NOTE:
1. PASSAGE 2. ENTRY 3. STOR/JAN 4. OFFICE 5. PRIVACY 6. KEY & BOLT W/ THUMBTURN 7. PANIC DUMMY HANDLE	ALUM - ALUMINUM ASF - ALUMINUM STORE FRONT FBGS - FIBERGLASS FG - 1/4" FLOAT GLASS HM - HOLLOW METAL IFG - INSUL. 1" FLOAT GLASS PC - MULTI-WALL POLYCARBONATE PVC - POLYVINYL CHLORIDE SFG - SAFETY 1/4" FLOAT GLASS SIFG - SAFETY INSUL. 1" FLOAT GLASS SS - STAINLESS STEEL STL - STEEL WD - WOOD	DOORS SHALL BE READILY OPENABLE FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE WITHOUT THE USE OF A KEY, OR SPECIAL KNOWLEDGE OR EFFORT. DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATION DEVICES SHALL BE ACCESSIBLE AND NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. ALL EGRESS AND PEDESTRIAN DOORS SHALL COMPLY WITH ICC - ANSI 117.1 (CURRENT EDITION).	THE FOLLOWING CONDITIONS REQUIRE TEMPERED SAFETY GLAZING: 1. GLAZING IN DOORS 2. GLAZING WITH THE BOTTOM EDGE LESS THAN 18" ABOVE THR FLOOR. 3. GLAZING ADJACENT & WITHIN 24" OF A DOOR & LESS THAN 60" ABOVE STANDING SURFACE.

DOOR SCHEDULE												
ID	#	DOOR						HW SET	FRAME			NOTES
		PANEL TYPE	W	HT	THK	MATL	GLZ		WDTH	THK	MATL	
A1	1	FULL GLASS	3'	7'	1 3/4"	ALUM	TEMP	2	2"	4 1/2"	ALUM	SUPPLIED BY OTHERS
A2	1	FULL GLASS	3'	7'	1 3/4"	ALUM	TEMP	2	2"	4 1/2"	ALUM	SUPPLIED BY OTHERS
A3	1	FULL GLASS	3'	7'	1 3/4"	ALUM	TEMP	2	2"	4 1/2"	ALUM	SUPPLIED BY OTHERS
A4	1	FULL GLASS	3'	7'	1 3/4"	ALUM	TEMP	2	2"	4 1/2"	ALUM	SUPPLIED BY OTHERS
A5	1	FULL GLASS	3'	7'	1 3/4"	ALUM	TEMP	2	2"	4 1/2"	ALUM	SUPPLIED BY OTHERS
A6	1	FULL GLASS	3'	7'	1 3/4"	ALUM	TEMP	2	2"	4 1/2"	ALUM	SUPPLIED BY OTHERS
B1	1	DOUBLE FLUSH	6'	7'	1 3/4"	SS	---	2	2"	4 1/2"	SS	PROVIDED BY MODERNWASH
B2	1	DOUBLE FLUSH	6'	7'	1 3/4"	HM	---	2	2"	4 1/2"	HM	SUPPLIED BY OTHERS
C1	1	FLUSH	3'	7'	1 3/4"	HM	---	2	2"	4 1/2"	HM	SUPPLIED BY OTHERS
C2	1	FLUSH	3'	7'	1 3/4"	SS	---	2	2"	4 1/2"	SS	PROVIDED BY MODERNWASH
C3	1	FLUSH	3'	7'	1 3/4"	SS	---	2	2"	4 1/2"	SS	PROVIDED BY MODERNWASH
D1	1	OVERHEAD	12'	11'-2"	1 3/4"	ALUM	POLY	---	3"	4"	STL	SUPPLIED BY OTHERS
D2	1	OVERHEAD	12'	11'-2"	1 3/4"	ALUM	POLY	---	3"	4"	STL	SUPPLIED BY OTHERS

DOOR						
TYPE	DOUBLE FLUSH	DOUBLE FLUSH	FLUSH	FLUSH	FULL GLASS	OVERHEAD
VIEW						
DIMS	6'x7'	6'x7'	3'x7'	3'x7'	3'x7'	12'x11'-2"
MATERIAL	HM	SS	HM	SS	ALUM	ALUM
GLAZING	---	---	---	---	TEMP	POLY

WINDOW SCHEDULE				
ID	#	LENGTH	HEIGHT	HOME STORY
W01	6	216.00"	161.20"	1st FLOOR
W02	1	84.00"	48.00"	1st FLOOR
W03	1	60.00"	99.00"	1st FLOOR
W04	1	60.00"	99.00"	2nd FLOOR
W04	2	48.00"	48.00"	1st FLOOR
W05	1	65.55"	96.78"	1st FLOOR
W06	1	65.55"	96.78"	1st FLOOR
W07	1	65.00"	102.00"	1st FLOOR
W08	1	59.02"	102.00"	1st FLOOR
W09	1	NOTE: SEE WINDOW ELEVATIONS FOR JAMBS, HEAD, AND SILL FRAME DIMENSIONS.		1st FLOOR
W10	1	NOTE: SEE WINDOW ELEVATIONS FOR JAMBS, HEAD, AND SILL FRAME DIMENSIONS.		2nd FLOOR
W11	1	308.00"	237.50"	1st FLOOR
W12	2	308.00"	237.50"	1st FLOOR

Legend for window materials:

- ACM PNL w/ PVC BACKER
- 10MM LEXAN THERMOCLEAR GLAZING PNL
- 1/4" TEMPERED GLASS
- INSULATED GLASS

NOTE: STOREFRONT SUPPLIER TO CONFIRM ALL OPENINGS ON SITE.

ACM PANEL WITH PVC BACKER IS SUPPLIED BY MODERNWASH - CUT TO FIT ON SITE.

POLYCARBONATE PANEL TO BE SUPPLIED BY MODERNWASH - CUT TO FIT ON SITE.

REVISIONS		DATE	DESCRIPTION
ID	0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN, DRAWINGS, AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. AND MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023

2022-21, Midwest, Lee's Summit, Mo

MODERNWASH

5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

MODEL: AXIOM BETA
RETAIL TOWER
2023

31 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

SEAL OF MISSOURI

JAMES DAVID
BRADY JR.
ARCHITECT

05-03-2023

USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY

PLOT DATE: 6/9/23

DRAWN BY: EWH, CBH

CHECKED BY: #####

SHEET: MW-7.1

SCHEDULES

Product category: S137 (1-3/8" Flange Structural Stud)
Product name: 3025317-43 (33ksi, CP60) P - Punched
43mils (18ga) Coating: CP60 per ASTM C955
Color coding: Yellow

Geometric Properties
Web depth 3.625 in
Flange width 1.375 in
Stiffening lip 0.375 in
Design thickness 0.0451 in
Yield strength, Fy 33 ksi
Ultimate, Fu 45.0 ksi

Gross Section Properties of Full Section, Strong Axis
Cross sectional area (A) 0.306 in²
Member weight per foot of length 1.04 lbf/ft
Moment of inertia (Ix) 0.616 in⁴
Section modulus (Sx) 0.340 in³
Radius of gyration (Rx) 1.419 in
Gross moment of inertia (Iy) 0.075 in⁴
Gross radius of gyration (Ry) 0.497 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.214 in²
Moment of inertia for deflection (Ix) 0.616 in⁴
Section modulus (Sx) 0.320 in³
Allowable bending moment (Ma) 22.50 in-k
Allowable moment based on distortion buckling (Mad) 6.66 in-k
Allowable shear force in web (solid section) 1739 lb
Allowable shear force in web (perforated section) 676 lb
Unbraced length (Lu) 34.6 in

Torsional Properties

St. Venant torsion constant (J x 1000) 0.207 in⁴
Warping constant (Cw) 0.320 in⁶
Distance from shear center to neutral axis (Xo) -0.693 in
Distance between shear center and web centerline (m) 0.608 in
Radii of gyration (Ro) 1.801 in
Torsional flexural constant (Beta) 0.697

ASTM & Code Standards:

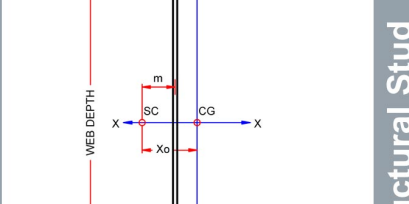
- AISI North American Specification (NASPEC) S100-07 with 2010 supplement
- **LEED v4 MR Credit** - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFA Code Compliance Certification Program, ICC-ES ESR-1166P and ATI CCR6-0206
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at www.clarkdietrich.com

Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
LEED 2009 Credit MR 2 & MR 4 - ClarkDietrich's steel products are 100% recyclable and have a minimum recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at info@clarkdietrich.com (888-437-3244)

CD-STRS © 06/2014 ClarkDietrich Building Systems		
Project Information	Contractor Information	Architect Information
Name: Address:	Name: Contact: Phone: Fax:	Name: Contact: Phone: Fax:

05.40.00 (Cold-Formed Metal Framing)



Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses



Structural Stud

Product category: S137 (1-3/8" Flange Structural Stud)
Product name: 6005317-43 (33ksi, CP60) P - Punched
43mils (18ga) Coating: CP60 per ASTM C955
Color coding: Yellow

Geometric Properties
Web depth 6.000 in
Flange width 1.375 in
Stiffening lip 0.375 in
Design thickness 0.0451 in
Yield strength, Fy 33 ksi
Ultimate, Fu 45.0 ksi

Gross Section Properties of Full Section, Strong Axis
Cross sectional area (A) 0.413 in²
Member weight per foot of length 1.41 lbf/ft
Moment of inertia (Ix) 2.042 in⁴
Section modulus (Sx) 0.681 in³
Radius of gyration (Rx) 2.224 in
Gross moment of inertia (Iy) 0.087 in⁴
Gross radius of gyration (Ry) 0.459 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.222 in²
Moment of inertia for deflection (Ix) 2.041 in⁴
Section modulus (Sx) 0.645 in³
Allowable bending moment (Ma) 12.74 in-k
Allowable moment based on distortion buckling (Mad) 11.83 in-k
Allowable shear force in web (solid section) 1416 lb
Allowable shear force in web (perforated section) 1240 lb
Unbraced length (Lu) 33.3 in

Torsional Properties

St. Venant torsion constant (J x 1000) 0.280 in⁴
Warping constant (Cw) 1.214 in⁶
Distance from shear center to neutral axis (Xo) -0.693 in
Distance between shear center and web centerline (m) 0.513 in
Radii of gyration (Ro) 2.406 in
Torsional flexural constant (Beta) 0.890

ASTM & Code Standards:

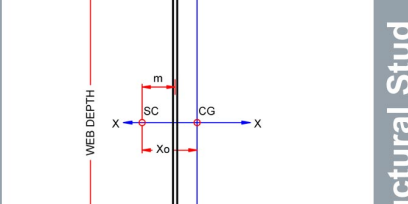
- AISI North American Specification (NASPEC) S100-07 with 2010 supplement
- **LEED v4 MR Credit** - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFA Code Compliance Certification Program, ICC-ES ESR-1166P and ATI CCR6-0206
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at www.clarkdietrich.com

Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
LEED 2009 Credit MR 2 & MR 4 - ClarkDietrich's steel products are 100% recyclable and have a minimum recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at info@clarkdietrich.com (888-437-3244)

CD-STRS © 06/2014 ClarkDietrich Building Systems		
Project Information	Contractor Information	Architect Information
Name: Address:	Name: Contact: Phone: Fax:	Name: Contact: Phone: Fax:

05.40.00 (Cold-Formed Metal Framing)



Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses



Structural Stud

Product category: S137 (1-3/8" Flange Structural Stud)
Product name: 3025317-43 (33ksi, CP60) P - Punched
43mils (18ga) Coating: CP60 per ASTM C955
Color coding: Yellow

Geometric Properties
Web depth 3.625 in
Flange width 1.375 in
Stiffening lip 0.375 in
Design thickness 0.0451 in
Yield strength, Fy 33 ksi
Ultimate, Fu 45.0 ksi

Gross Section Properties of Full Section, Strong Axis
Cross sectional area (A) 0.306 in²
Member weight per foot of length 1.04 lbf/ft
Moment of inertia (Ix) 0.616 in⁴
Section modulus (Sx) 0.340 in³
Radius of gyration (Rx) 1.419 in
Gross moment of inertia (Iy) 0.075 in⁴
Gross radius of gyration (Ry) 0.497 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.224 in²
Moment of inertia for deflection (Ix) 0.616 in⁴
Section modulus (Sx) 0.320 in³
Allowable bending moment (Ma) 22.50 in-k
Allowable moment based on distortion buckling (Mad) 6.66 in-k
Allowable shear force in web (solid section) 1739 lb
Allowable shear force in web (perforated section) 676 lb
Unbraced length (Lu) 32.2 in

Torsional Properties

St. Venant torsion constant (J x 1000) 0.207 in⁴
Warping constant (Cw) 0.320 in⁶
Distance from shear center to neutral axis (Xo) -0.693 in
Distance between shear center and web centerline (m) 0.454 in
Radii of gyration (Ro) 1.801 in
Torsional flexural constant (Beta) 0.697

ASTM & Code Standards:

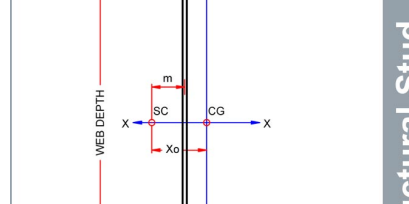
- AISI North American Specification (NASPEC) S100-07 with 2010 supplement
- **LEED v4 MR Credit** - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFA Code Compliance Certification Program, ICC-ES ESR-1166P and ATI CCR6-0206
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at www.clarkdietrich.com

Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
LEED 2009 Credit MR 2 & MR 4 - ClarkDietrich's steel products are 100% recyclable and have a minimum recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at info@clarkdietrich.com (888-437-3244)

CD-STRS © 06/2014 ClarkDietrich Building Systems		
Project Information	Contractor Information	Architect Information
Name: Address:	Name: Contact: Phone: Fax:	Name: Contact: Phone: Fax:

05.40.00 (Cold-Formed Metal Framing)



Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses



Structural Stud

Product category: S162 (1-5/8" Flange Structural Stud)
Product name: 12005162-97 (50ksi, CP60) P - Punched
97mils (12ga) Coating: CP60 per ASTM C955
Color coding: Red

Geometric Properties
Web depth 12.000 in
Flange width 1.625 in
Stiffening lip 0.500 in
Design thickness 0.1017 in
Yield strength, Fy 50 ksi
Ultimate, Fu 65.0 ksi

Gross Section Properties of Full Section, Strong Axis
Cross sectional area (A) 1.576 in²
Member weight per foot of length 5.36 lbf/ft
Moment of inertia (Ix) 26.977 in⁴
Section modulus (Sx) 4.496 in³
Radius of gyration (Rx) 4.138 in
Gross moment of inertia (Iy) 0.331 in⁴
Gross radius of gyration (Ry) 0.459 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.699 in²
Moment of inertia for deflection (Ix) 26.738 in⁴
Section modulus (Sx) 4.091 in³
Allowable bending moment (Ma) 111.38 in-k
Allowable moment based on distortion buckling (Mad) 8147 lb
Allowable shear force in web (solid section) 7411 lb
Allowable shear force in web (perforated section) 29.5 in

Torsional Properties

St. Venant torsion constant (J x 1000) 5.433 in⁴
Warping constant (Cw) 10.331 in⁶
Distance from shear center to neutral axis (Xo) -0.693 in
Distance between shear center and web centerline (m) 0.470 in
Radii of gyration (Ro) 4.220 in
Torsional flexural constant (Beta) 0.973

ASTM & Code Standards:

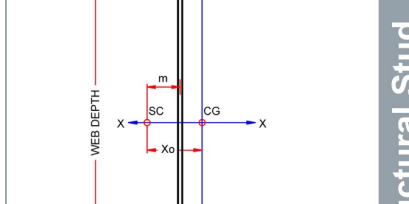
- AISI North American Specification (NASPEC) S100-12
- **LEED v4 MR Credit** - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFA Code Compliance Certification Program, ICC-ES ESR-1166P and ATI CCR6-0206
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at www.clarkdietrich.com

Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit - Building Product Disclosure and Optimization: EPD (up to 2 points) - Innovation Credit (up to 2 points)
LEED 2009 Credit MR 2 & MR 4 - ClarkDietrich's steel products are 100% recyclable and have a minimum recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at info@clarkdietrich.com (888-437-3244)

CD-STRS © 06/17 ClarkDietrich Building Systems		
Project Information	Contractor Information	Architect Information
Name: Address:	Name: Contact: Phone: Fax:	Name: Contact: Phone: Fax:

05.40.00 (Cold-Formed Metal Framing)



Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses



Structural Stud

SQUARE MOLDED & PULTRUDED FIBERGLASS GRATING LOAD TABLE
ISOPHTHALIC POLYESTER RESIN



MOVING OBJECTS EXERT HEAVIER WEIGHT THAN THEIR ACTUAL STANDING WEIGHT

SPAN	FIBERGLASS TYPE	200 LBS	300 LBS	500 LBS	1000 LBS	MAX LOAD
18"	SQUARE MOLDED	0.03	0.05	0.08	0.15	1,733 LBS
24"	PULTRUDED	0.006	0.009	0.015	0.030	2,250 LBS
30"	SQUARE MOLDED	0.07	0.10	0.17	0.350	1,300 LBS
36"	PULTRUDED	0.018	0.027	0.046	0.095	1,700 LBS
42"	SQUARE MOLDED	0.12	0.18	0.300	---	1,033 LBS
48"	PULTRUDED	0.043	0.065	0.108	0.220	1,340 LBS
54"	SQUARE MOLDED	0.21	0.32	0.55	---	867 LBS
60"	PULTRUDED	0.087	0.131	0.218	0.440	1,130 LBS

FLAT TOP LOAD TABLE SIMILAR TO SQUARE MOLDED



www.tssccws.com | 888-427-0070 | YouTube | Facebook | Instagram | LinkedIn | Twitter | Pinterest | RSS | Email

Technical Information

DESCRIPTION
Peel & Seal® is a patented laminate of reflective aluminum foil, rugged, cross-linked polymer films, and a thick layer of adhesive asphalt. The asphalt compound adheres to most surfaces and cures rapidly. Designed for low-slope roof applications, it is ideal for mobile homes, trailers, RVs, and sun rooms. No glue, torches, tapes or fasteners are required - only a utility knife and a large push or hand roller are needed for installation.

USES
Peel & Seal® may be used anywhere a fast, dependable waterproofing barrier is needed and is ideal for roofing, patching, gutter repair, flashing, and general waterproofing where the membrane will be exposed. Designed for low-slope roof applications, it is ideal for mobile homes, trailers, RVs, and sun rooms. No glue, torches, tapes or fasteners are required - only a utility knife and a large push or hand roller are needed for installation.

FEATURES
• For roofing, waterproofing, patching and repair
• Adheres directly to roof deck or substrate
• Aluminum surface reflects heat lowering utility costs
• Easy to install, low cost and labor saving
• Lightweight and easy to handle
• Tough and durable - puncture and abrasion resistant
• Stretches to allow for building movement and conforms to odd shapes
• Requires no coating or covering for exposure to sunlight

INSTALLATION
This is a summary of how the product is installed. FOLLOW APPLICATION INSTRUCTIONS ON THE CARTON.

General Installation: The surface to receive Peel & Seal® must be clean, smooth, dry and free from oil, grease, solvents or debris - these interfere with proper adhesion. Apply in fair weather at temperatures above 50°F. Minimum slope of 1/2" per foot is required. Not required for areas with ponding water.

Peel & Seal® is easily installed by removing the release liner and pressing into place. Cut to fit with a utility knife. Peel & Seal® is pressure sensitive. Apply maximum pressure uniformly over entire membrane using a large ball or hand roller. Peel & Seal® adheres to the deck and to itself when overlapped. Seams and overlaps must be firmly rolled with a hand roller.

When overlapping, 3" side laps and 6" end laps are required. Masonry, concrete, OSB, weathered wood, and rusted metal should be primed first with an asphalt-based primer. To improve adhesion, use MFH Spray Adhesive™ as needed. When installing over EPDM, the surface must be primed with "WeatherBond™" Multi-Purpose primer.

When installing over silicone caulks, sealants or petroleum-based materials, allow any solvents to fully cure. Masonry should also be fully cured. Installer is responsible for compatibility with caulks and sealants.

PRODUCT SPECIFICATIONS

Property	Test Method	Result
Material Thickness	ASTM D 5147	45 Mils Nom.
Flexibility @ -20°F	ASTM D 1570	Pass
Vapor Performance	ASTM E 96	< 0.1
Nail Sealability	ASTM D 1970	Pass
Tensile MD	ASTM D 2523	32 lbs/in
Tensile CMD	ASTM D 2523	33 lbs/in
Elongation MD	ASTM D 2523	788%
Elongation CMD	ASTM D 2523	779%
Adhesion to Plywood @ 75°F	ASTM D 903/1970	51 lbs/in
Adhesion to Plywood @ 40°F	ASTM D 903/1970	14 lbs/in

PRODUCT NUMBERS

Aluminum	White	Gray	Almond
36" - 50036	36" - 50W36	36" - 50G36	36" - 50A36
18" - 50018	18" - 50W18	18" - 50G18	18" - 50A18
12" - 50012	12" - 50W12	12" - 50G12	12" - 50A12
6" - 50006	6" - 50W06	6" - 50G06	6" - 50A06
4" - 50004	4" - 50W04	4" - 50G04	4" - 50A04
3" - 50003	3" - 50W03	3" - 50G03	3" - 50A03

APPROVALS
Peel & Seal® is tested to ASTM D 1970 and meets the requirements of ICC-ES AC-75, Florida Building Code FLB 11842.2, FLB 13025.1, FLB 13025.2, has a UL Class "A" Fire Rating, and is Miami-Dade County Approved. Texas Dept. of Insurance FCIS-38.

10-YEAR LIMITED WARRANTY
MFH Building Products Corp. (MFH) warrants materials to be free from leaks caused by defects in material or manufacturing for a period of ten (10) years from the date of purchase when applied according to published directions.

For the most current installation instructions, Warranties, Technical Specifications and Approvals, visit www.mfmbp.com.

Peel & Seal® is protected by U.S. Patent Nos. 4,936,938; 5,098,759 and 5,142,837. "WeatherBond" is a trademark of WeatherBond.

525 Orange Street, PO Box 340, Coonshoan, Ohio 43812 • Tel 800-882-7663 • Fax 740-422-4161 • www.mfmbp.com
TDS-PAS 04/07 Revised 08/13

Connectors for Cold-Formed Steel Construction

S/JCT and S/HJCT Steel-Joist Connectors

The S/JCT and S/HJCT are unique, skewable steel-joist framing connectors that combine strength, versatility and low installed cost. The connectors can be used with CFS headers, wood headers, steel beams (with welds or PAF fasteners) and masonry walls. Installed cost is minimized since these products are easier than using other connectors, simplifying the need for web stiffeners. The connectors also feature horizontal tabs that facilitate top flange alignment and joist support during shear installation.

Material: S/JCT - 68 mil (14 ga) S/HJCT - 57 mil (12 ga)
Finish: Galvanized

Features:
• Uni-directional: Joist can be attached from left or right
• One size fits joists 8" through 14" deep
• Optional holes for additional load capacity
• Simplicity of design
• Quick and easy installation
• Field skewable up to 45° left or right

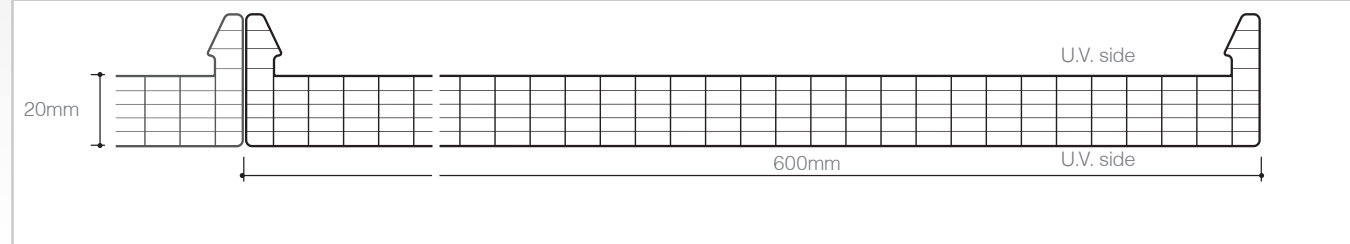
Installation:
• Attach hanger with specified fasteners. Use round holes for minimum load, use round and triangle holes for maximum load.
• May be used for weld-on applications. The minimum required weld to the top flange is 1/4" x

2.2
MODULAR
CONNECTOR SYSTEMS

arcoPlus®
Reverso 626



PROFILE



Modular system
of bi-protected
multiwall
polycarbonate for
translucent roofing
applications



LIGHT MANAGEMENT



PRODUCT AVAILABLE
WITH IR AND AR TREATMENT

PRODUCTION STANDARDS

thickness	20mm
structure	6 walls
effective modular width	600mm
panel length	no limit
colours available	see page 11

TECHNICAL FEATURES

Thermal insulation	1.7 W/m²K
Acoustic insulation	20 dB
Linear thermal expansion	0.065mm/m°C
Temperature range	-40°C +120°C
UV rays protection	2 sides Coextrusion
Fire reaction EN 13501	EuroClass B-s1,d0

DESCRIPTION

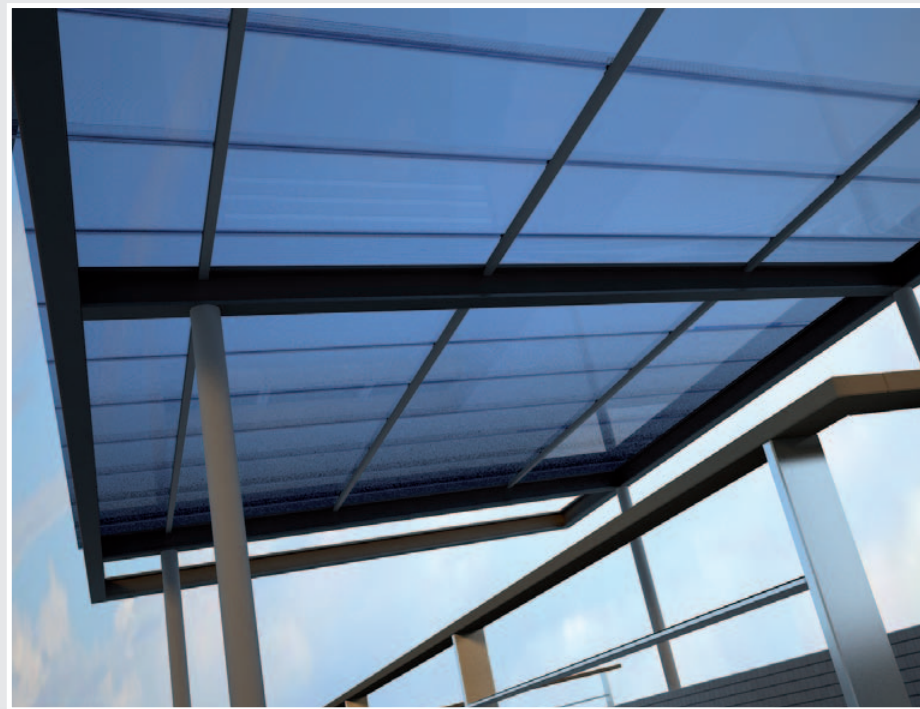
arcoPlus®626 reverso is a modular system of coextruded six-wall polycarbonate panels with a thickness of 20mm. These are fixed to the existing structure using specific anchor brackets. The panels are joined together by a protected polycarbonate cover plate assembled using a click-on system, or by an aluminium connector, for a perfectly watertight seal.

ADVANTAGES

- Easy and low-cost installation
- Light transmission
- Resistance to U.V. rays and to hail
- Heat insulation
- Bendability R.min=2,5m

APPLICATIONS

- Roofing
- Curved roofing
- Bardages verticaux



46

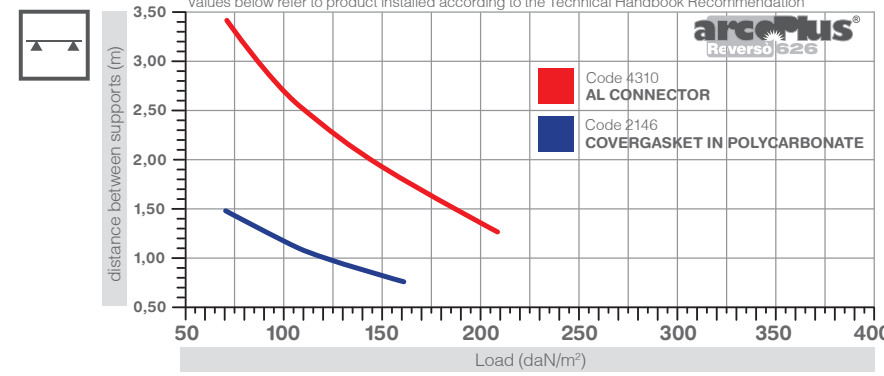
gallina.it

info@gallina.it

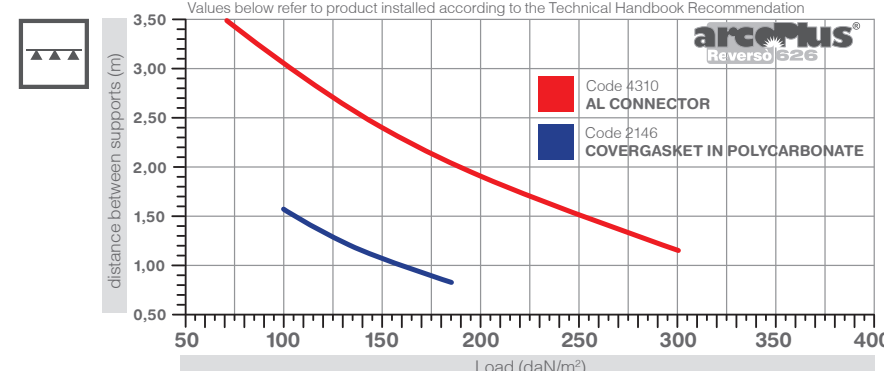


FLAT SYSTEM
LOAD RESISTANCE

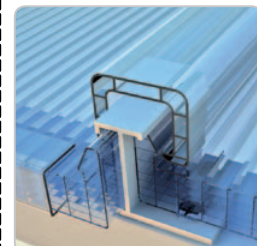
Maximum loads on two supports



Maximum loads on more supports



SYSTEM WITH ALUMINIUM
CONNECTOR CODE 4310



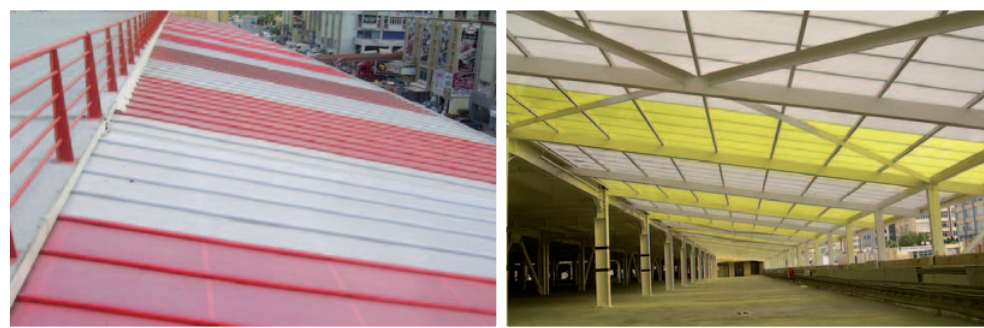
SYSTEM WITH POLYCARBONATE
COVERGASKET CODE 2146

EASY AND LOW-COST
INSTALLATION

To ensure compliance with snow load and negative wind load resistance requirements, anchor brackets should be fitted for each purlin. The polycarbonate panels are fastened to the underlying structure using specific brackets, which must be anchored to the purlins using suitable self-drilling/self-tapping screws (on

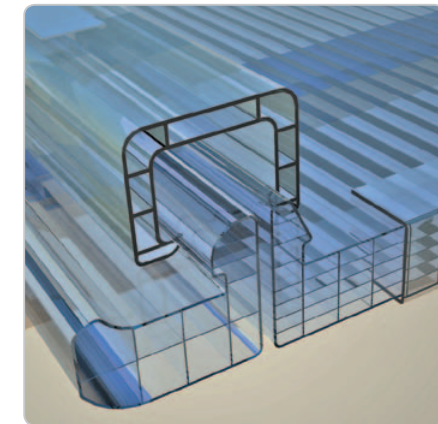
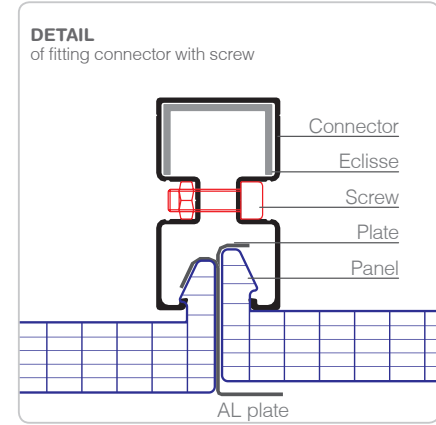
metal structures) and tap bolts (for wooden structures). These screws and bolts are not supplied. Different connector profiles can be used, depending on the required load specifications.

47

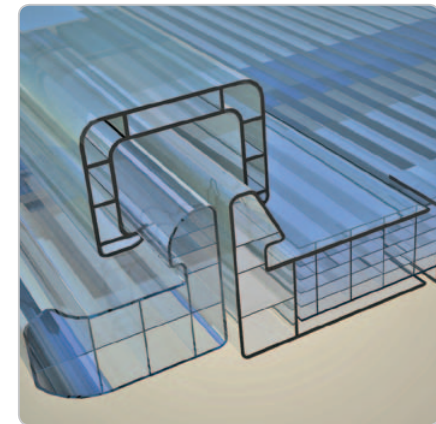


COMPLETE
ROOFING SYSTEM

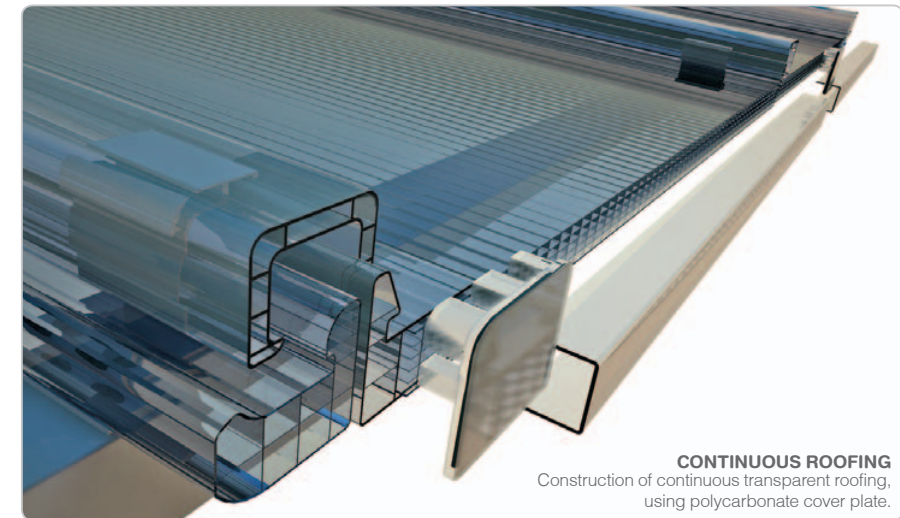
Modular multiwall polycarbonate panels for the construction of flat or curved roofing. The panels are anchored to the supporting structure using specific aluminium brackets to guarantee load strength. Depending on the load capacity values required, or the distance between the purlins of the underlying structures, either polycarbonate cover plates can be used or, for greater strength, aluminium connectors.



DETAIL OF START PROFILE
Left profile with panel, cover plate, plate and air cell cover profiles.



DETAIL OF END PROFILE
Detail of insertion of section-breaker profile to complete roofing.



CONTINUOUS ROOFING
Construction of continuous transparent roofing using polycarbonate cover plate.

48

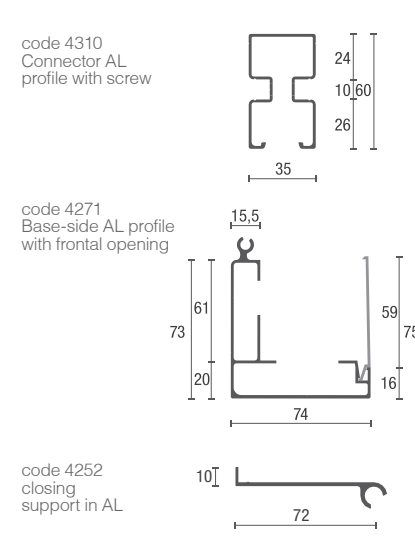
info@gallina.it



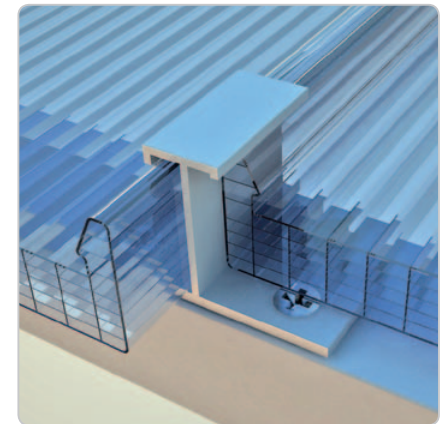
ACCESSORIES

The arcoPlus® system includes a complete range of accessories to facilitate installation. The air cells of the panels must be sealed using a specific polycarbonate profile or vented aluminium breather tape. This allows correct ventilation and prevents soiling on the inside.

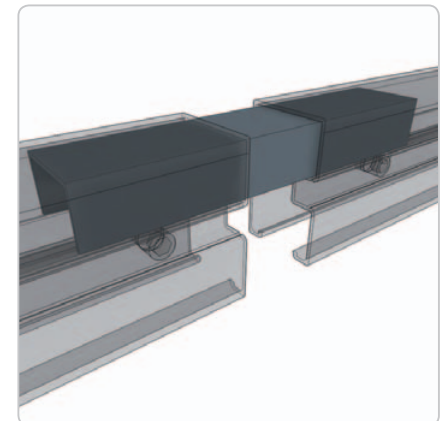
METAL PROFILES



ACCESSORIES



DETAIL OF ANCHORAGE
Profiles anchored to supporting structures using aluminium plates.



CONNECTOR JOINT
AL connector profiles with eclipse.



gallina.it

49

REVISIONS		DESCRIPTION
ID	DATE	FOR PERMIT
0	05/03/2023	

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DOCUMENTS ARE NOT TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REPRODUCTION OR USE OF THESE DOCUMENTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. IS PROHIBITED AND WILL BE CONSIDERED A VIOLATION OF THE COPYRIGHT AND WILL BE SUBJECT TO LEGAL ACTION. MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-21, Modern Wash, Summit, PA

MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

**MODEL: AXIOM BETA
RETAIL TOWER
2023**

34 OF 39

DELPRO^{1238™}
1638™

INTERLOCKING PVC PANEL

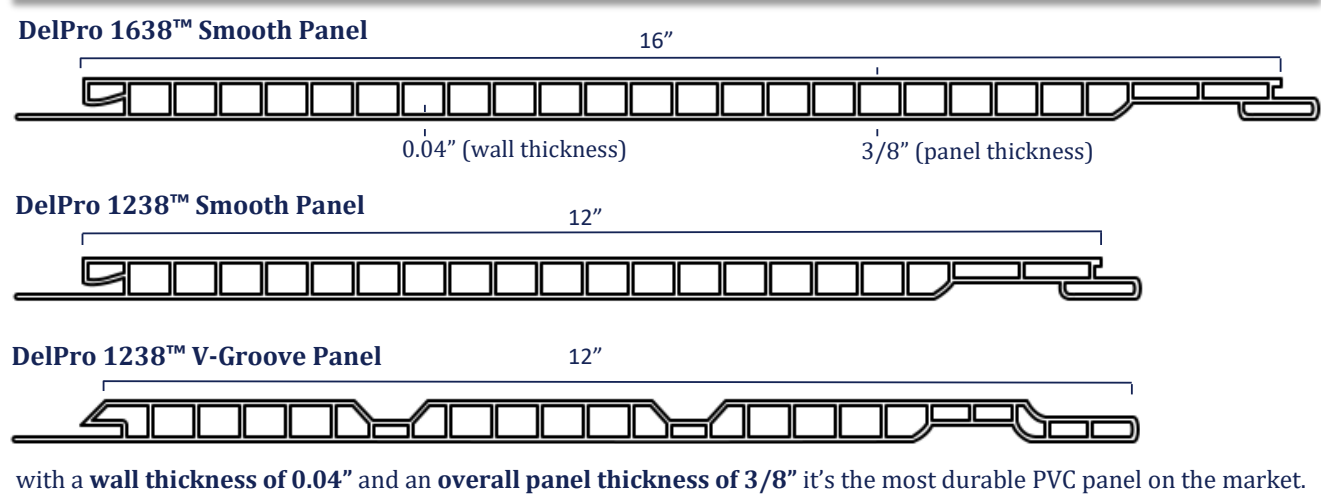
• AGRICULTURAL • INDUSTRIAL • COMMERCIAL • RESIDENTIAL •



• ABOUT DELPRO 1238™ AND DELPRO 1638™ •

- Distinctive Tongue and Groove System
- Quick and Easy Installation
- Low Maintenance
- Easy to Clean
- Economical
- No Painting Required
- Bright White, Extremely Smooth Panels
- Made with 100% Exterior Grade Virgin PVC Formula
- tried and tested for two decades
- CFIA Approved
- Hidden Fastener
- CAN ULC S102.2 Fire Rating Approved
- 12" and 16" Wide Panels
- 25 Year Warranty

• SPECIFICATIONS •



with a wall thickness of 0.04" and an overall panel thickness of 3/8" it's the most durable PVC panel on the market.

INSTALL GUIDE:
ACM/FIBER CEMENT PANELS 1



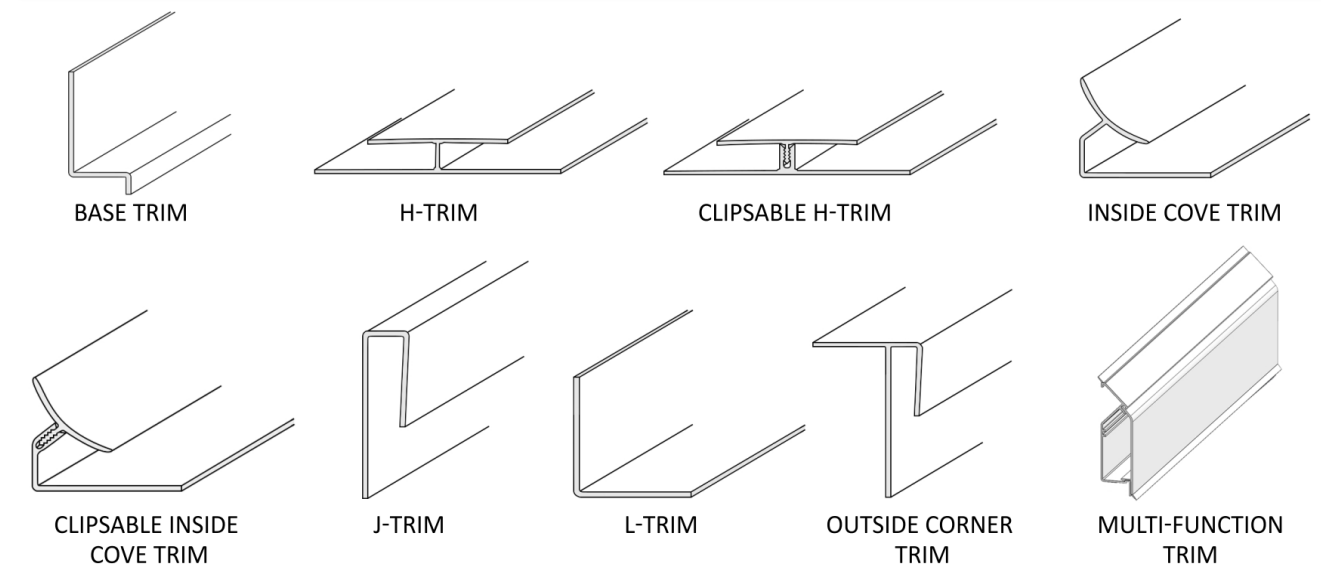
INSTALL GUIDE:
ACM/FIBER CEMENT PANELS 2



• ENJOY THE **STRENGTH** • • DISCOVER THE **BEAUTY** •

Our panels provide an efficient and a stylish finish for walls and ceilings. DelPro 1238™ and DelPro 1638™ a durable cladding for walls and ceilings, particularly in damp areas. With a strong resistance to color change and fading, DelPro 1238™ and DelPro 1638™ will neither delaminate, rot, nor absorb water.

• DELPRO 1238™ AND DELPRO 1638™ TRIM •

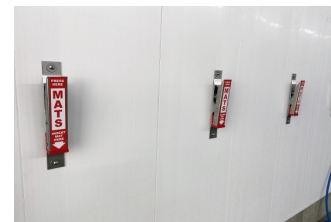


• WHY A PANEL THICKNESS OF 3/8" IS BETTER THAN 1/2" •

In the PVC wall paneling industry, unlike lumber, thicker is not always better. The interior walls and the space between the front and back wall of the panel, are the weaker parts of the overall design. If you increase this space (the thicker the panel, the more you stretch the interior wall), you have now effectively decreased the overall impact strength of your panel. Therefore, a 3/8" panel is much stronger and longer lasting than a 1/2" panel.

• WHY DELPRO 1238™ AND DELPRO 1638™ AREN'T WIDER THAN 16" •

If you have weight or tension on the panel (insulation or an angled fastener) it creates pressure between both ends and eventually the panel starts to bow or sag. In the PVC paneling industry, it is proven that 16" is the best and maximum width to use. Delpro 1238™ and Delpro 1638™ are easily able to withstand these pressures and will not bow or sag.



Find out more at www.delpro1638.com



Phone: 1-877-553-3632
Fax: 1-877-264-9025

sales@delcan.ca
www.delcanproducts.com

INSTALL GUIDE:
MCELROY METAL WAVE PANELS



INSTALL GUIDE:
PVC PANELS



INSTALL GUIDE:
POLYCARBONATE ROOF SYSTEM



MT-13

STRETCH OUT: 3"

1" ZEE CLOSURE

MW-1

STRETCH OUT: 5"

CLOSED HEMS
L-TRIM - OUTSIDE (ADJ.)

MW-197

STRETCH OUT: 27 3/4"

GUTTER 5 (ADJ.)

MW-285

STRETCH OUT: 19 1/4"

Z-TRIM (ADJ.)

MT-35

A

STRETCH OUT: 9 1/2"

STANDARD HEADWALL TRIM

MW-14

A

STRETCH OUT: 8 1/2"

DRIP TRIM - TOP OF WALL (ADJ.)

MW-197

B

STRETCH OUT: 27 3/4"

GUTTER 5 (ADJ.)

MW-285

C

STRETCH OUT: 4 1/4"

Z-TRIM (ADJ.)

MT-37

STRETCH OUT: 2"

STANDARD CLEAT

MW-15

A

STRETCH OUT: 7 3/4"

ANGLED TRANSITION ZEE (ADJ.)

MW-219

A

STRETCH OUT: 7"

CEILING TRIM - HIGH END (ADJ.)

MW-287

A

STRETCH OUT: 11"

COLUMN WRAP CAP (ADJ.)

MT-62

A

STRETCH OUT: 24"

GUTTER

MW-24

A

STRETCH OUT: 7 5/8"

DRIP TRIM - PARAPET (ADJ.)

MW-220

A

STRETCH OUT: 7"

CEILING TRIM - LOW END (ADJ.)

MW-291

A

STRETCH OUT: 12"

GUTTER SUPPORT STRAP (ADJ.)

MT-62D

ATTACH MW-147 & MW-166 PRIOR TO INSTALLING GUTTER ON BUILDING.

GUTTER ASSEMBLY DETAIL

MW-24

B

STRETCH OUT: 14 1/8"

DRIP TRIM - PARAPET (ADJ.)

MW-264

A

STRETCH OUT: 12"

VERTICAL BAND TRIM (ADJ.)

MW-291

B

STRETCH OUT: 12"

GUTTER SUPPORT STRAP (ADJ.)

MT-177

A

STRETCH OUT: 7 7/8"

2" SILL TRIM

MW-24

C

STRETCH OUT: 8 5/8"

DRIP TRIM - PARAPET (ADJ.)

MW-175

STRETCH OUT: 2 1/2"

MTSJ - MATRIX SOFFIT J-TRIM

MT-193

STRETCH OUT: 3 5/8"

WAVE CLIP

MW-147

A

STRETCH OUT: 7 1/2"

GUTTER SUPPORT STRAP (ADJ.)

MW-285

A

STRETCH OUT: 26 1/2"

Z-TRIM (ADJ.)

REVISIONS

ID	DATE	DESCRIPTION	FOR
0	05/03/2023		FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGNS, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE THE PROPERTY OF MODERNWASH INC. AND ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE OF THESE DRAWINGS FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023

2022-21, Midwest, Lee's Summit, Mo

MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104

MODEL: AXIOM BETA
RETAIL TOWER
2023

35 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY

PLOT DATE: 6/9/23

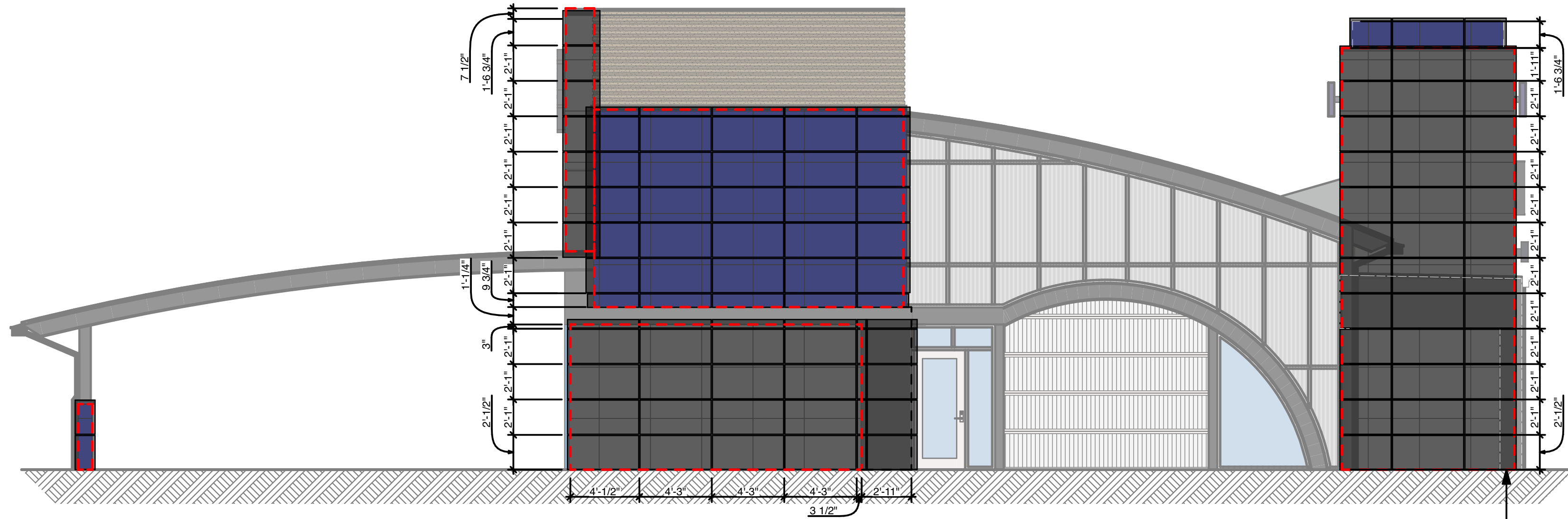
DRAWN BY: EWH, CBH

CHECKED BY: #####

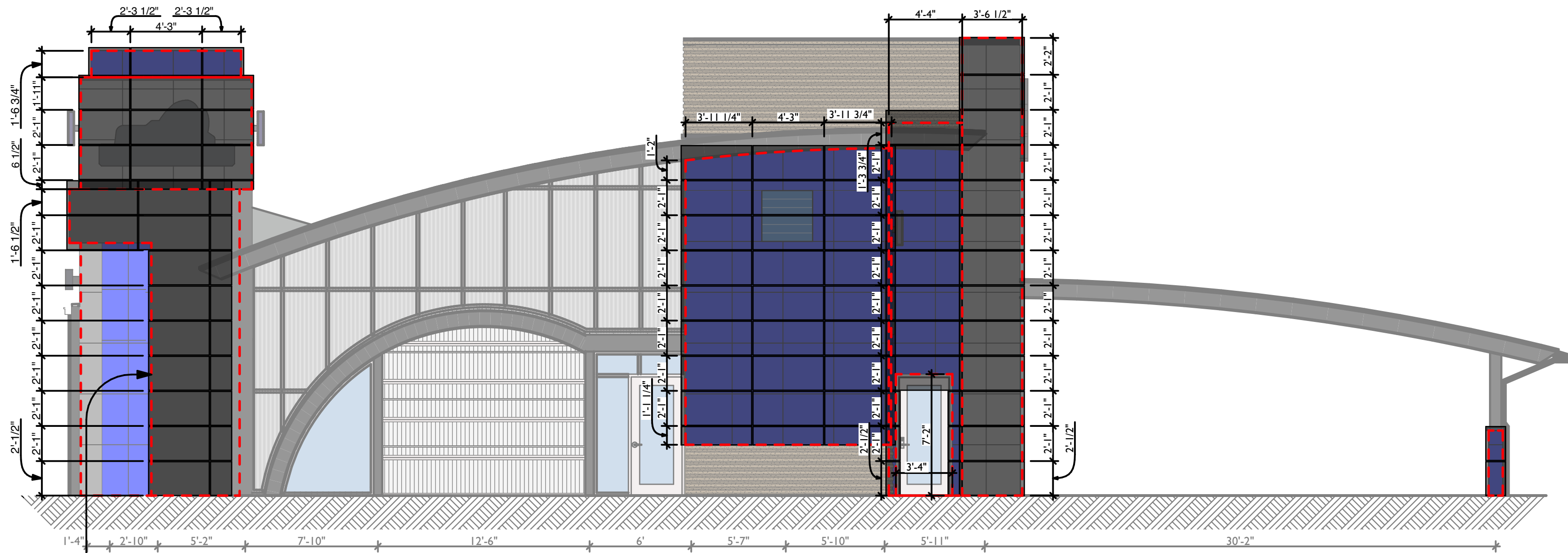
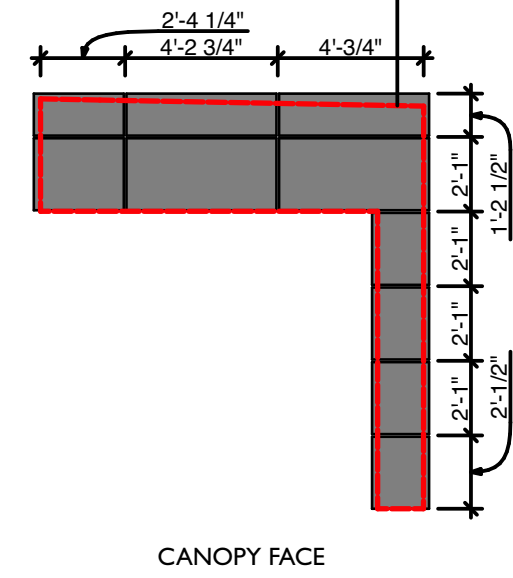
SHEET:

MW-9.1

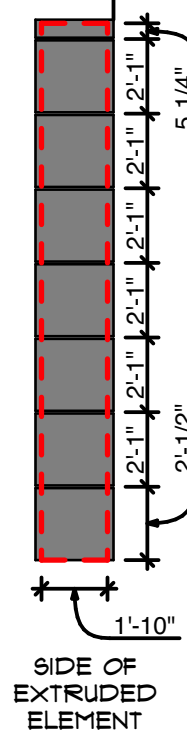
FLASHING/TRIM



B ELEVATION - EAST
SCALE: 3/16" = 1'-0"



F ELEVATION - WEST
SCALE: 3/16" = 1'-0"



REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY REUSE, REPRODUCTION, OR MODIFICATION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.

COPYRIGHT: MODERNWASH 2023
2022-21, ModernWash, Lee's Summit, MO

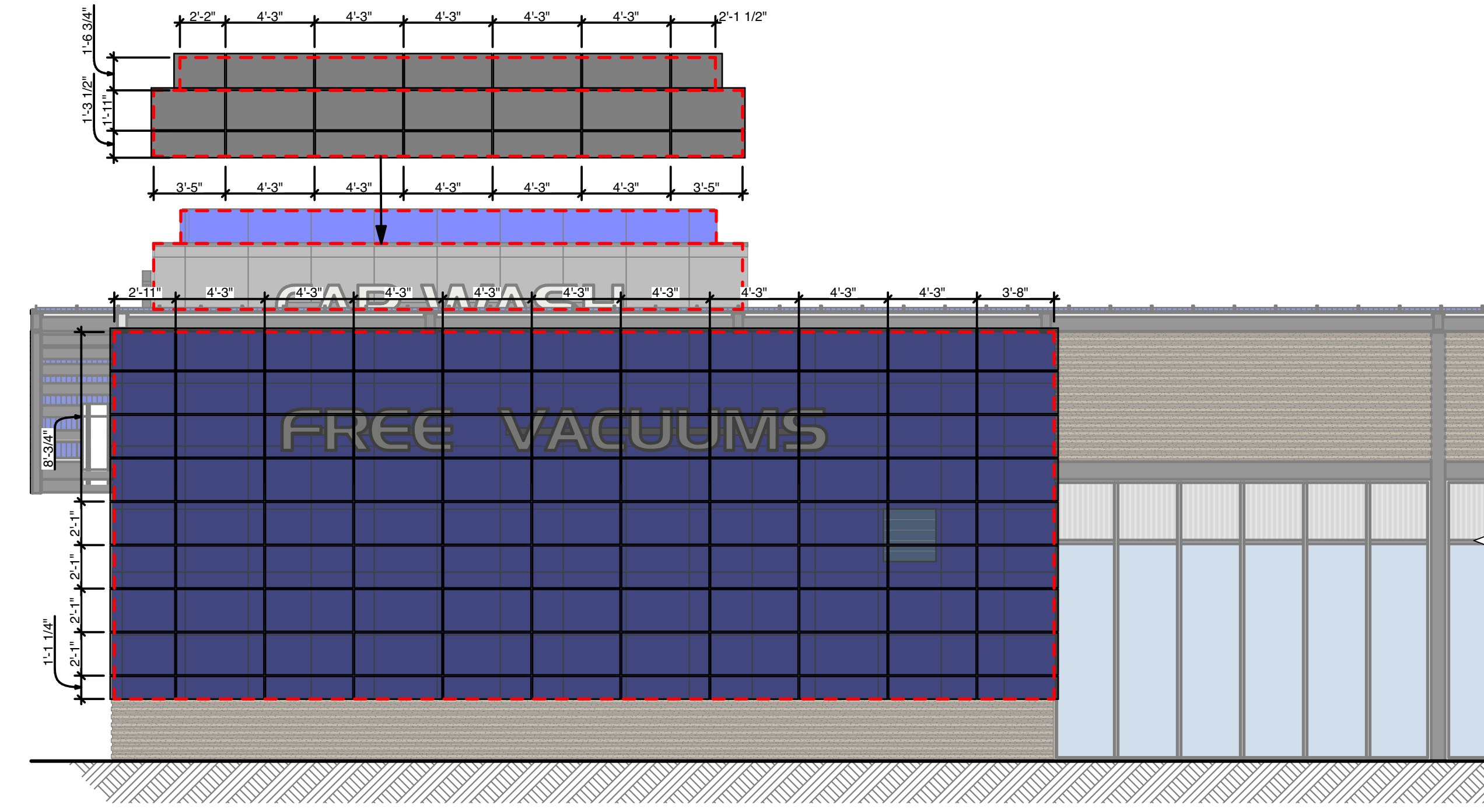


NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

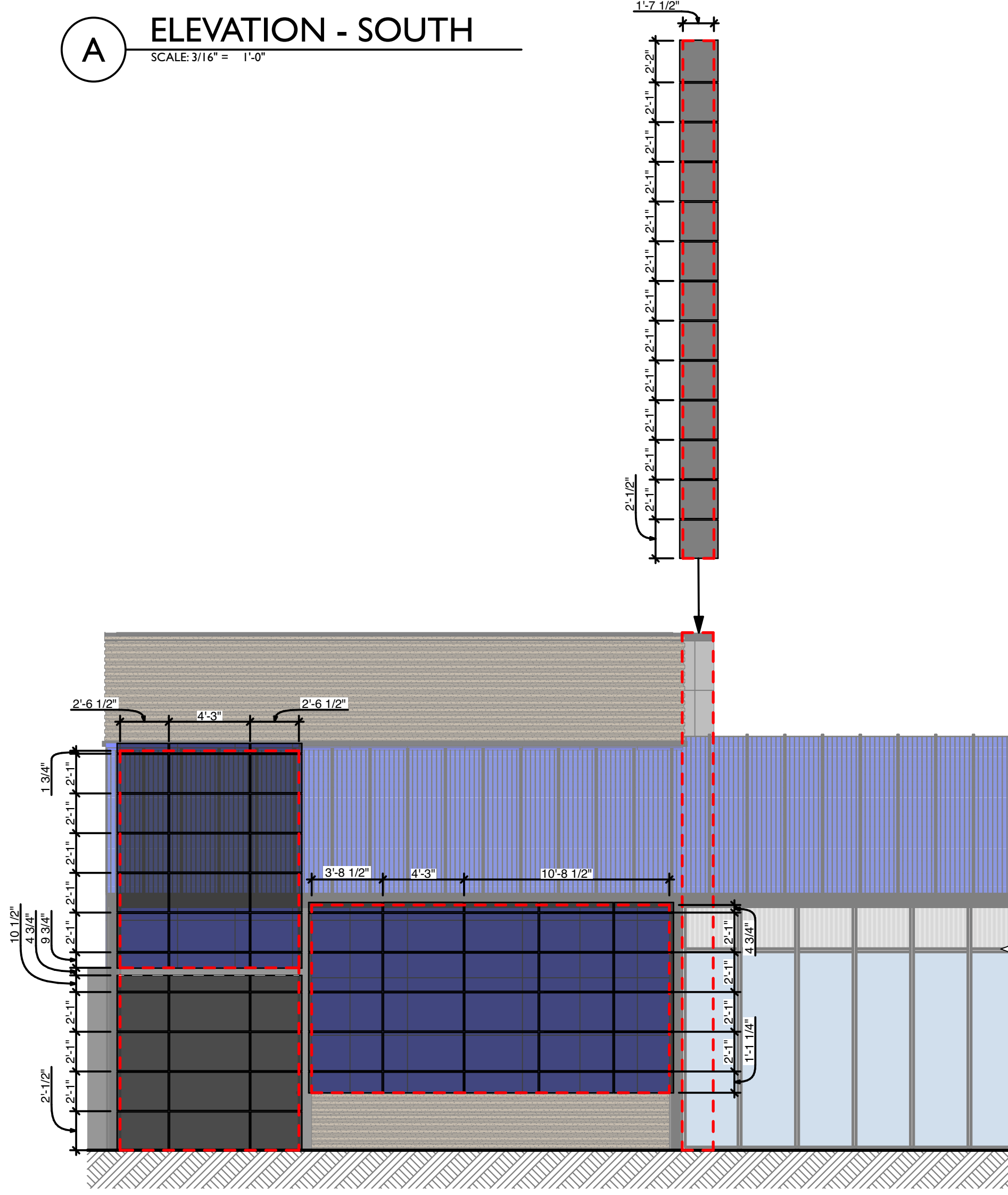
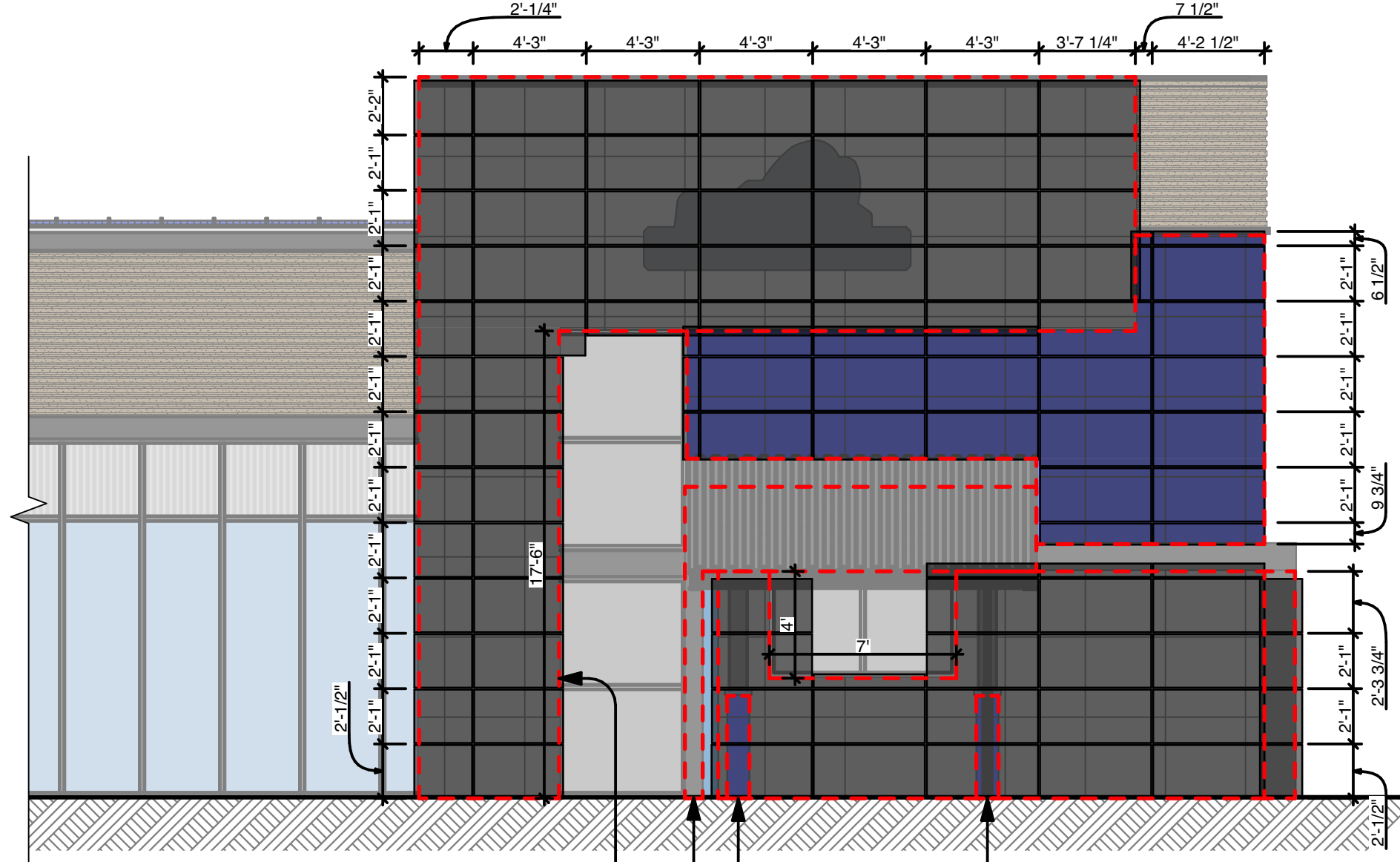


USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

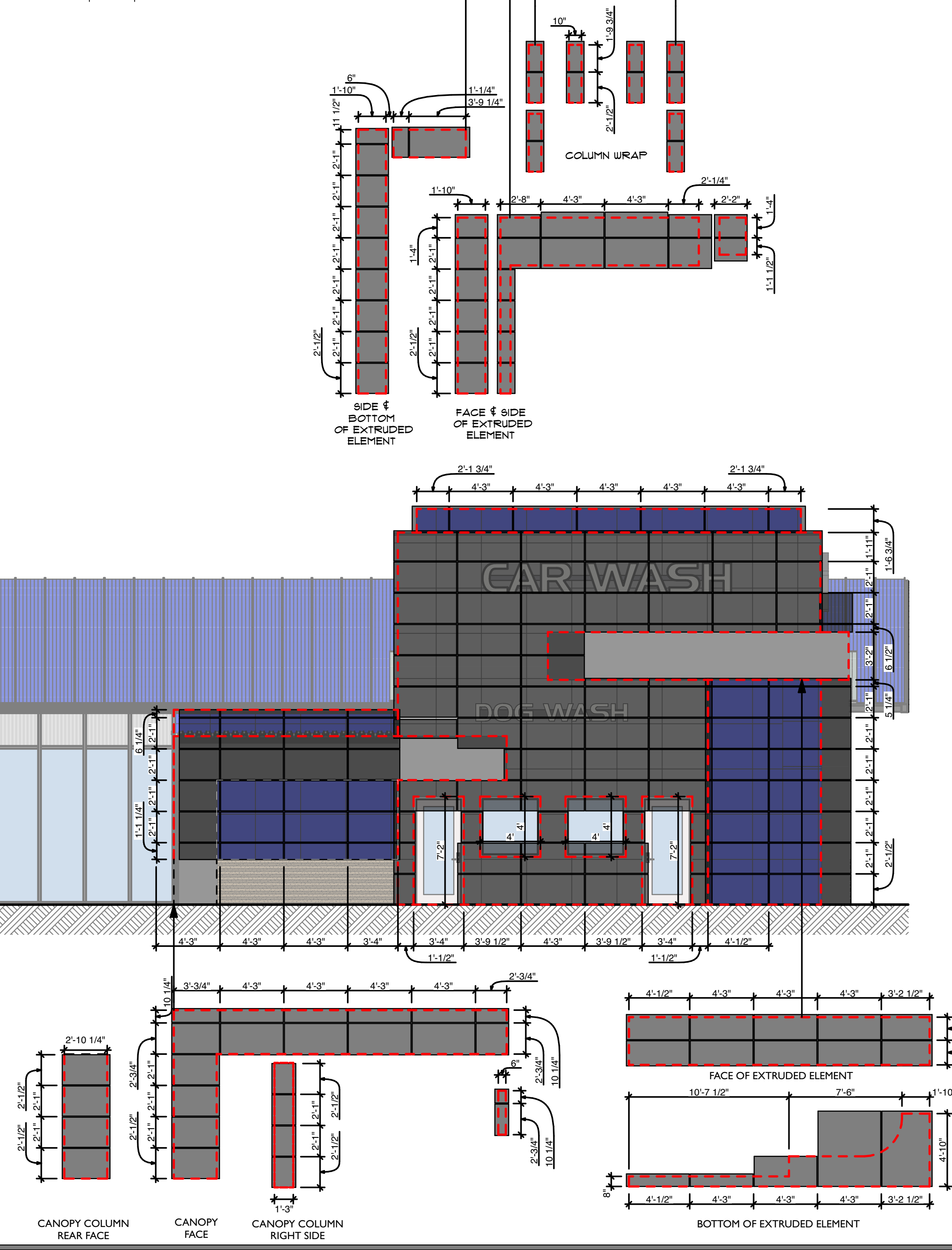
PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET: MW-9.2
EIFS GRID LAYOUT



A ELEVATION - SOUTH
SCALE 3/16" = 1'-0"



K ELEVATION - NORTH
SCALE 3/16" = 1'-0"



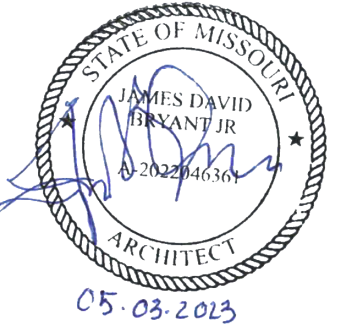
REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS ARE NOT TO BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY UNAUTHORIZED REPRODUCTION OR USE OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED. WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. ANY UNAUTHORIZED REPRODUCTION OR USE OF THESE ELEMENTS DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

MODERNWASH 2023
Copyright: Modernwash 2023
2022-21, Modernwash, Lee's Summit, MO



NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081

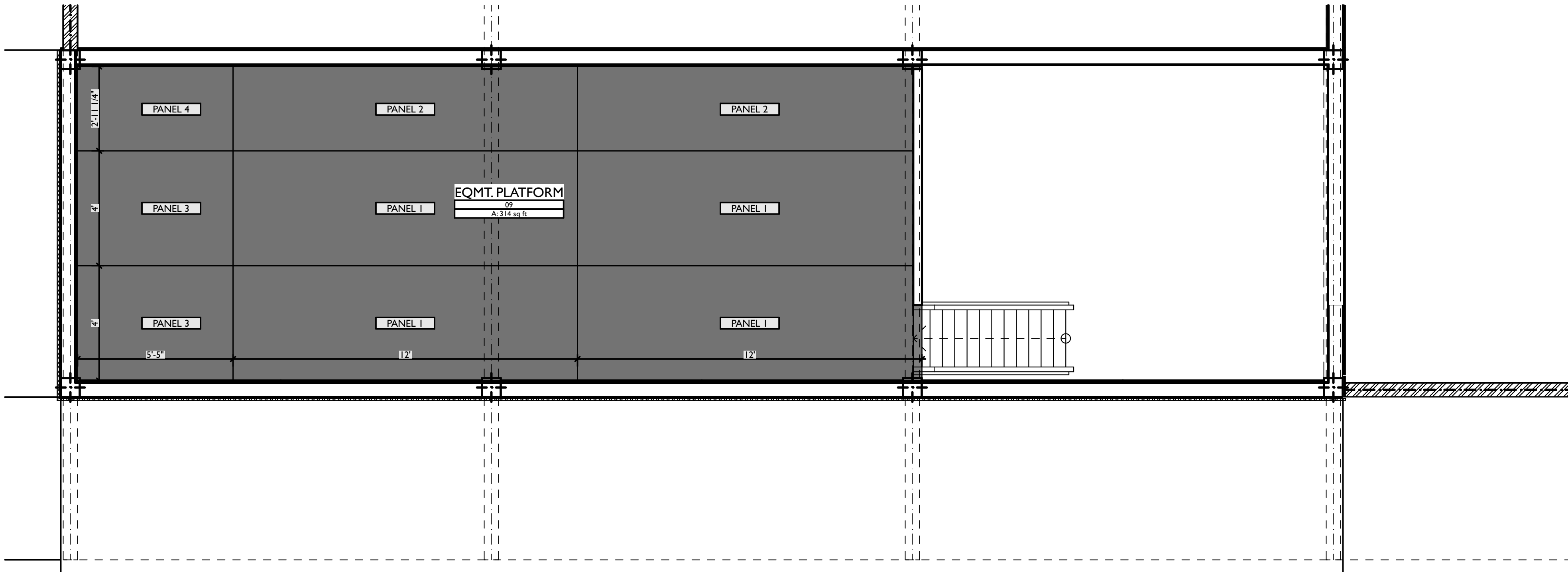


USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.

PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET: MW-9.3
EIFS GRID LAYOUT

PANEL 1 - 4'X12' - 4 TOTAL
PANEL 2 - 2'-11 1/4" X12'
RIP TO SIZE - 2 TOTAL
PANEL 3 - 4' X 5'-5"
RIP TO SIZE - 2 TOTAL
PANEL 4 - 2'-11 1/4" X 5'-5"
RIP TO SIZE - 1 TOTAL
PANEL CLIPS - INSTALL 4 CLIPS
PER LONG SIDE OF PANEL - 60
SUPPLIED

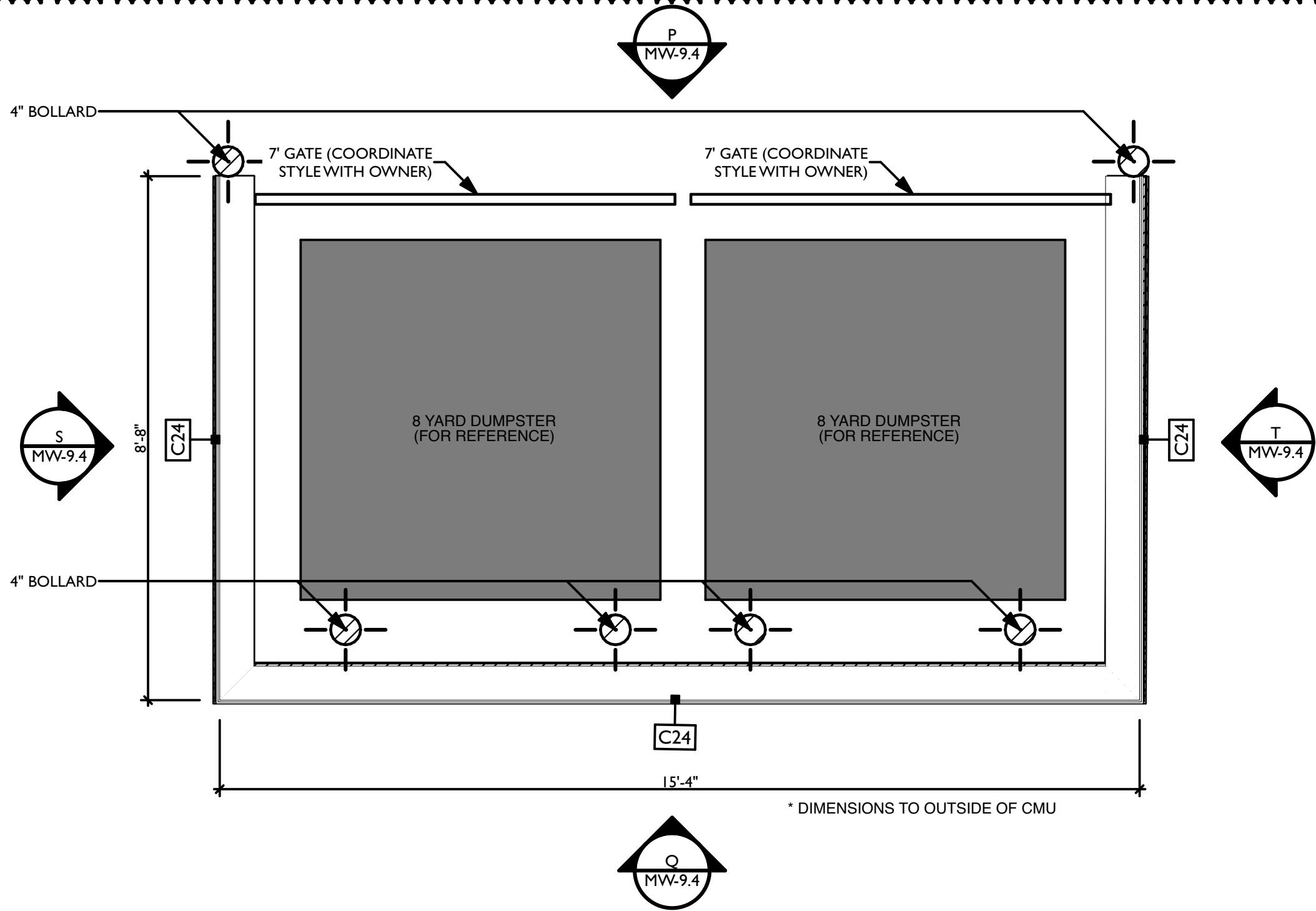
NOTE: PANELS ARE
SUPPLIED IN FULL SIZE.
PANELS 2, 3, AND 4 ARE TO
BE CUT-TO-FIT FROM FULL
SIZE PANELS ON LAYOUT
PROVIDED.



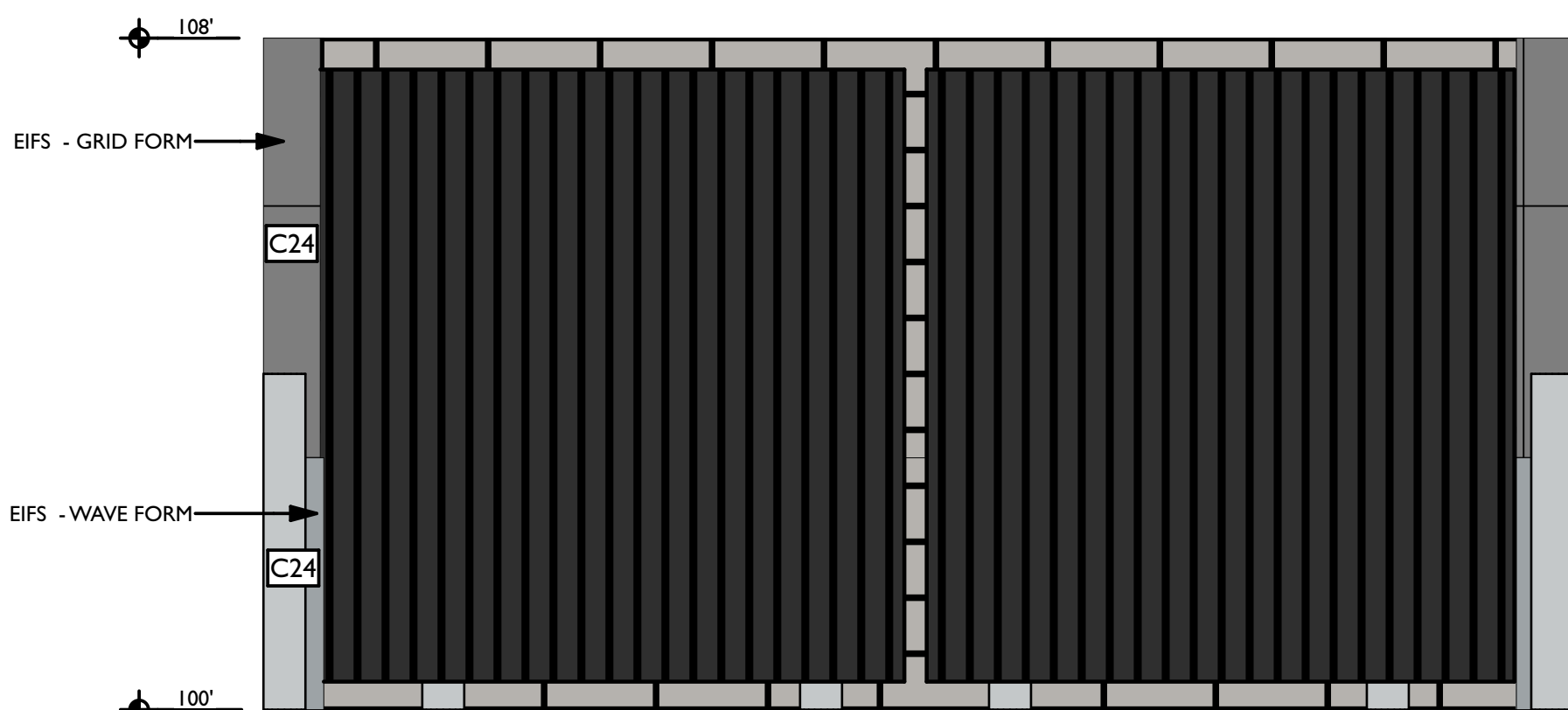
A GRATING LAYOUT - EQUIPMENT PLATFORM

NOTE: ALL COMPONENTS OF THE
TRASH ENCLOSURE ARE TO BE
SUPPLIED BY OTHERS.

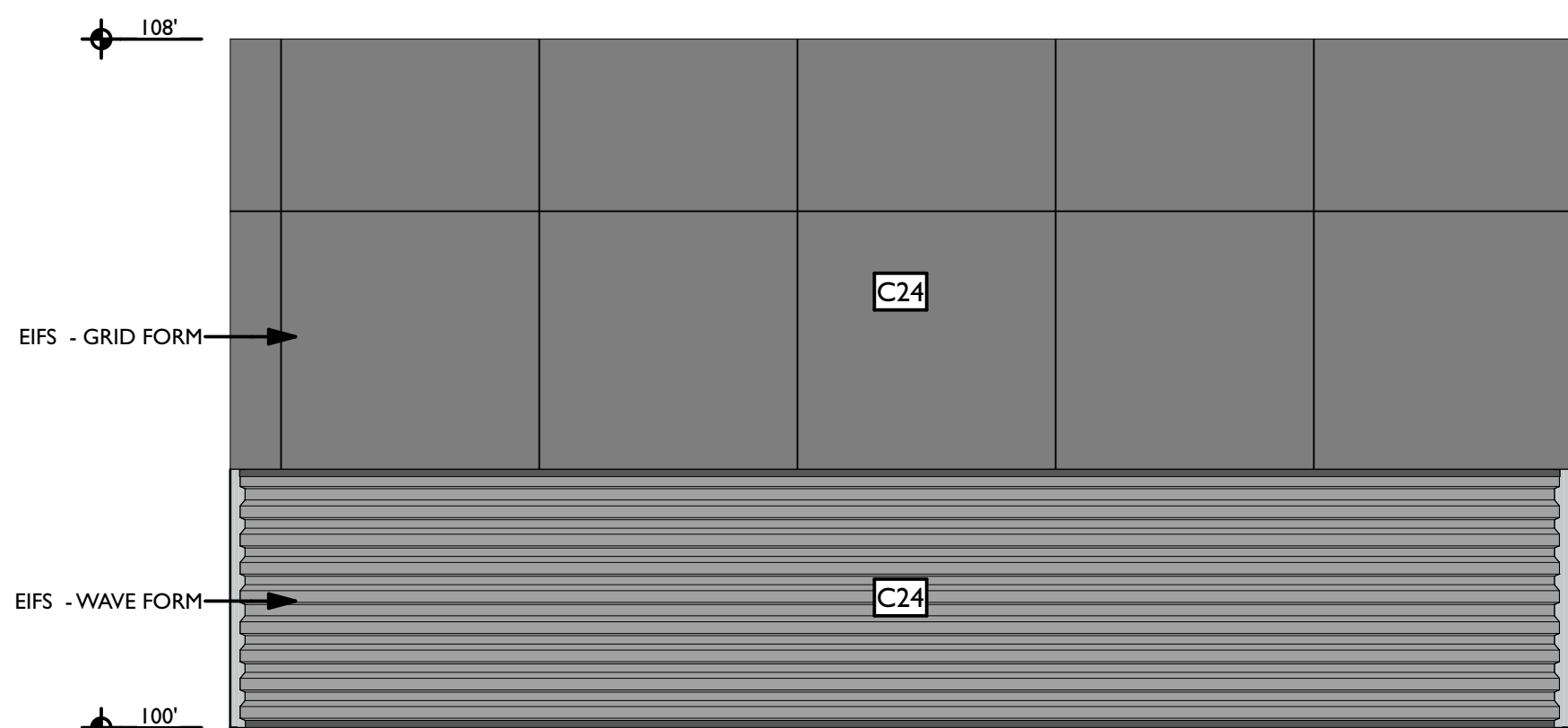
REFER TO STRUCTURAL DRAWINGS
FOR CONSTRUCTION OF TRASH
ENCLOSURE.



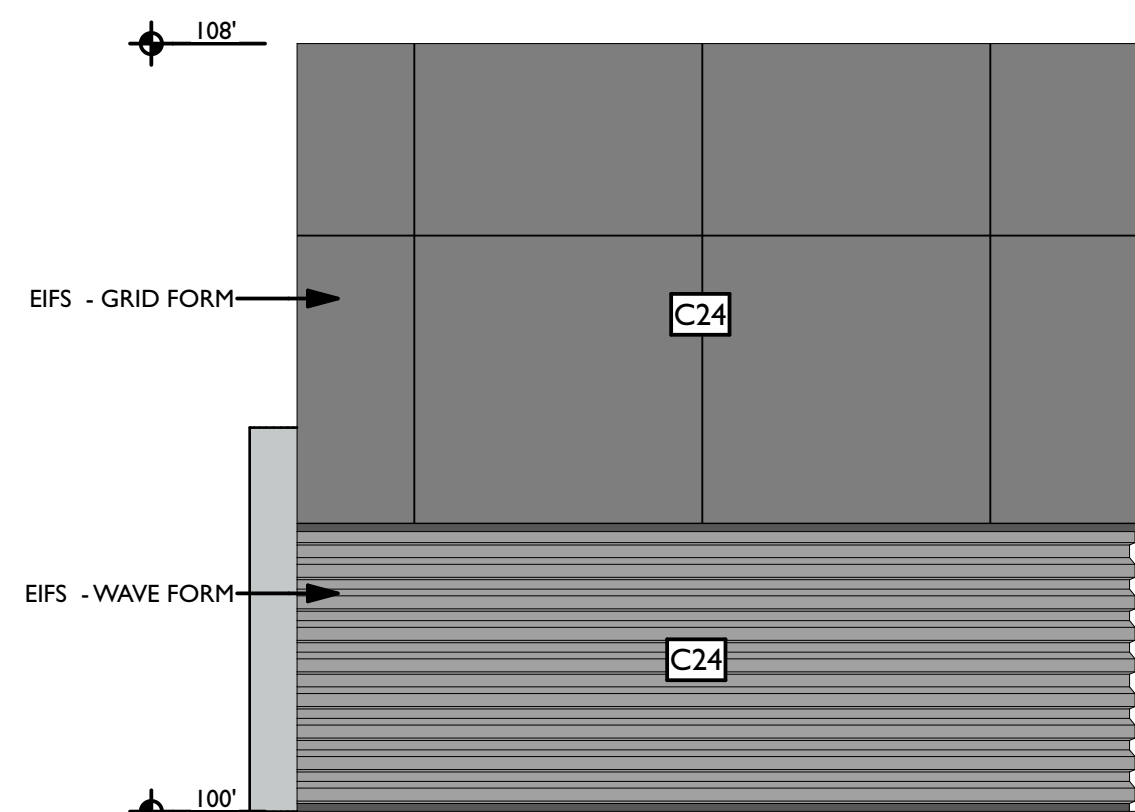
G PLAN VIEW
SCALE: 1/2" = 1'-0"



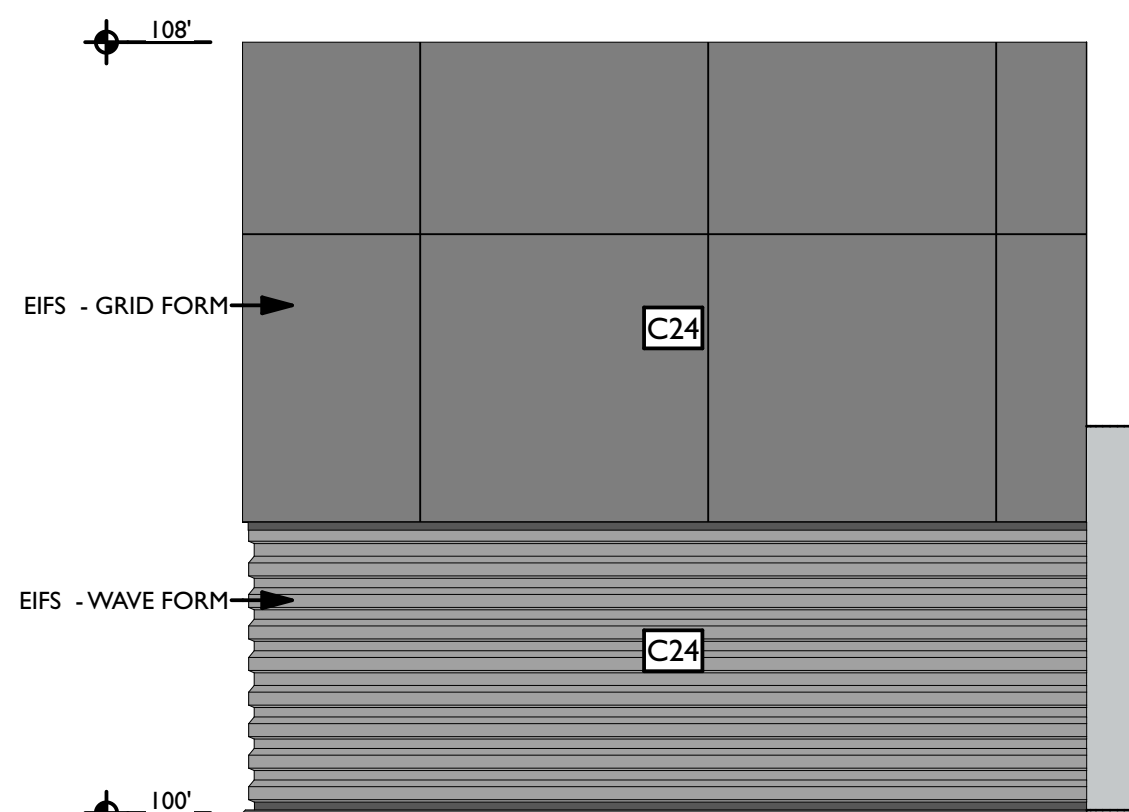
P NORTH ELEVATION
SCALE: 1/2" = 1'-0"



Q SOUTH ELEVATION
SCALE: 1/2" = 1'-0"



S WEST ELEVATION
SCALE: 1/2" = 1'-0"



T EAST ELEVATION
SCALE: 1/2" = 1'-0"

REVISIONS

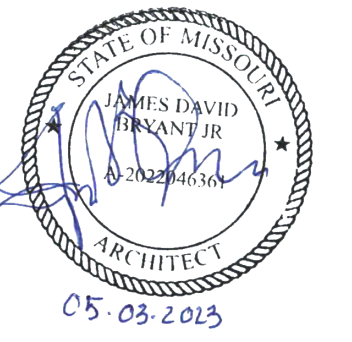
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT
1	06/09/2023	DRAWING TRENCH UPDATE

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN
DRAWINGS AND/OR RENDERINGS PREPARED FOR THE
SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE
DRAWINGS ARE THE PROPERTY OF MODERNWASH INC.
COPYRIGHTED CONFIDENTIAL MATERIAL BELONGING TO
MODERNWASH INC. AND ILLUMINATED DESIGNS INC. ANY
USE OF THESE DRAWINGS FOR ANY OTHER PROJECT
WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC.
AND ILLUMINATED DESIGNS INC. IS STRICTLY PROHIBITED.
AND DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023
2022-23, Indirect, Lee's Summit, Mo



NEW CAR WASH FOR:
TUNNEL VISION CAR WASH
20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE
FOR MOST
CURRENT
PROJECT
DRAWINGS.

PRELIMINARY
PLOT DATE: 6/9/23
DRAWN BY: EWH, CBH
CHECKED BY: #####
SHEET:
MW-9.4
EQUIP GRATING & TRASH
ENCLOSURE LAYOUT

8'-2" 2'-3 1/4" 15'-8 1/4"

2'

FREE VACUUMS

3'-10" 8 1/2" 5'-8"

1'-2"

DOG WASH

6'-1 1/4" 11 1/2" 9'-8 1/2"

2'

CAR WASH

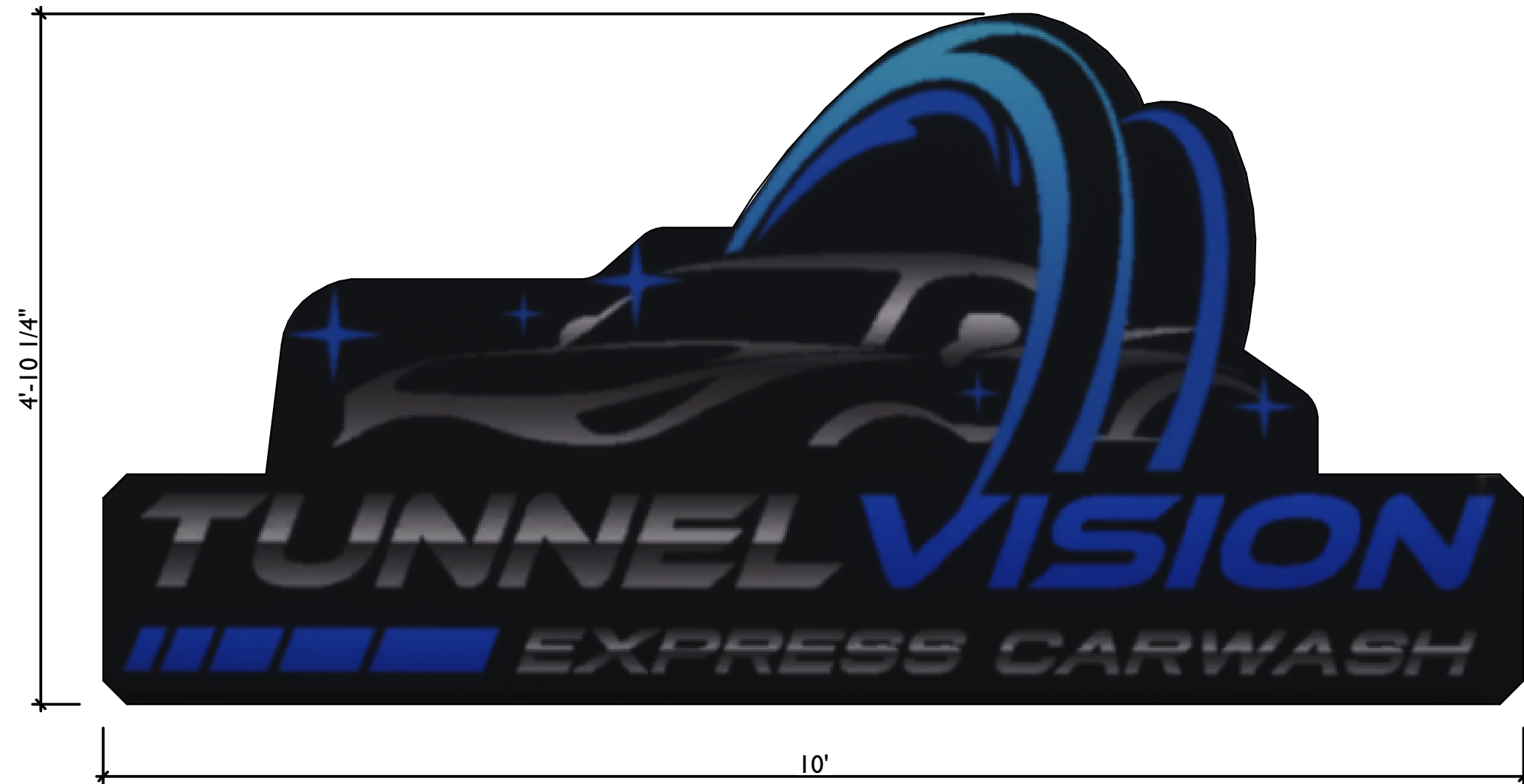
6'-1 1/4" 11 1/2" 9'-8 1/2"

2'

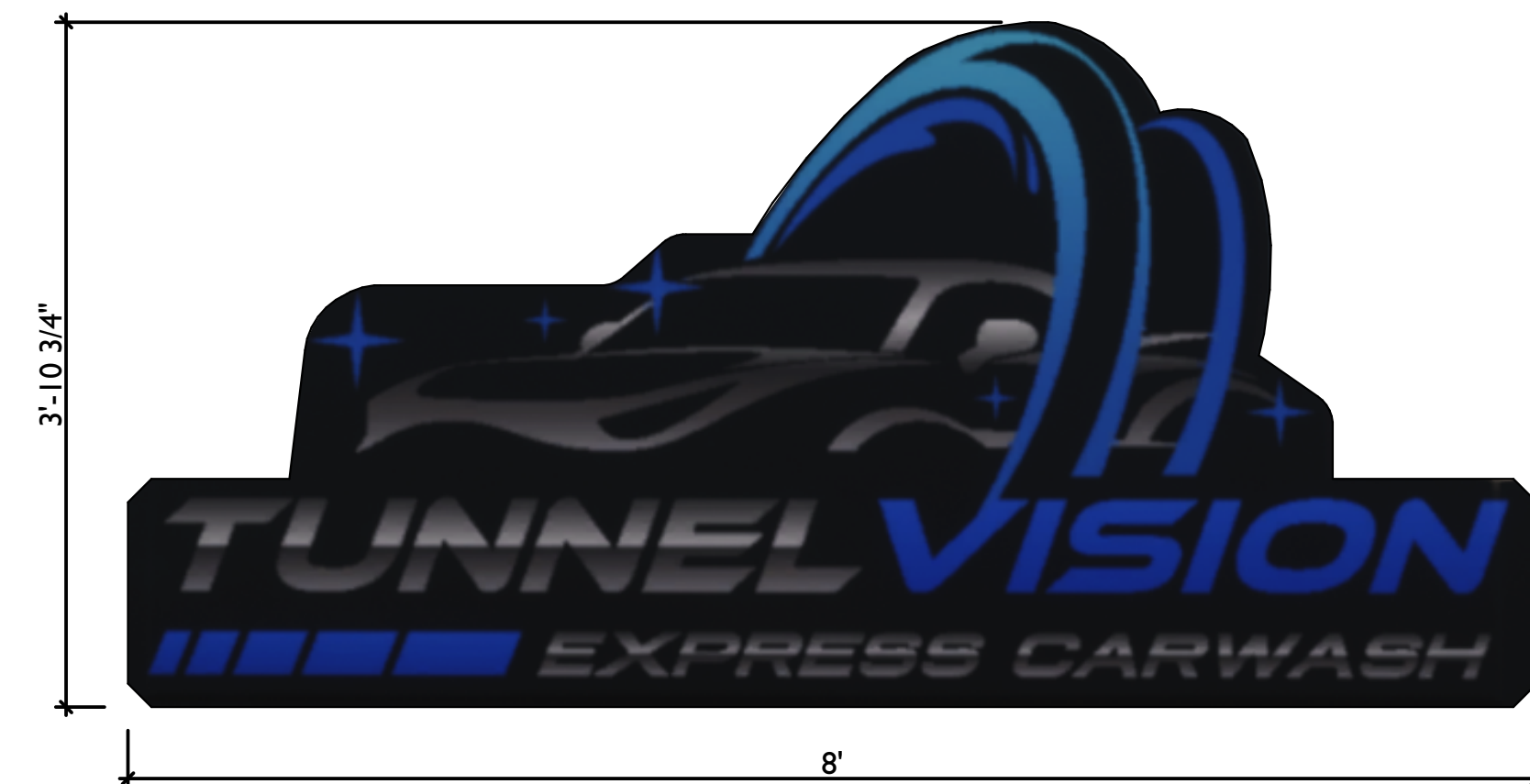
CAR WASH

SIGNAGE COLORS:
LETTER FACE - WHITE
LETTER SIDES - BLACK
FACEWAY - GREY

A SECTION DETAIL - STAIR TREAD
SCALE 1" = 1'-0"



NOTE: LOGO SIGNAGE TO BE PROVIDED BY OTHERS



NOTE: LOGO & SITE
RELATED SIGNAGE TO BE
PROVIDED BY OTHERS

REVISIONS		
ID	DATE	DESCRIPTION
0	05/03/2023	FOR PERMIT
1	06/09/2023	DRAWING TRENCH UPDATE

NOTE: THIS DESIGN DOCUMENT INCLUDES DESIGN, DRAWINGS AND/OR RENDERINGS PREPARED FOR THE SPECIFIC CLIENT AND SITE LOCATION SHOWN. THESE DRAWINGS AND/OR RENDERINGS ARE THE PROPERTY OF MODERNWASH INC. AND ILLUMINATED DESIGNS INC. ANY UNAUTHORIZED REPRODUCTION OR DISTRIBUTION OF THESE ELEMENTS, PARTS OR PORTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF MODERNWASH INC. AND ILLUMINATED DESIGNS INC. ANY UNAUTHORIZED REPRODUCTION OR DISTRIBUTION DOES NOT TRANSFER ANY RIGHTS OF REPRODUCTION.

COPYRIGHT: MODERNWASH 2023

2022-21, Modern Wash, Summit, Mo



MODERNWASH
5220 SCOTTSDALE ROAD
BOWLING GREEN, KY 42104



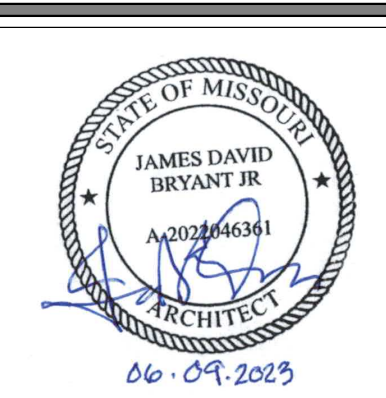
MODEL: AXIOM BETA
RETAIL TOWER
2023

39 OF 39

NEW CAR WASH FOR:

TUNNEL VISION CAR WASH

20 SE THOMPSON DR
LEE'S SUMMIT, MO 64081



USE QR CODE FOR MOST CURRENT PROJECT DRAWINGS.



PRELIMINARY

PLOT DATE: 6/9/23

DRAWN BY: EWH, CBH

CHECKED BY: #####

SHEET:

MW-9.5

SIGNAGE