

IMPORTANT NOTICE

The following document is NOT comprehensive for design, bidding, or installation when used in isolation. Please refer to all related documents in their entirety for complete information regarding this ACM panel system. Such documents include, but may not be limited to, Technical Guides, Architectural Color Chart, Approved Materials List, Systems Guides, Technical Bulletins, Technical Data Sheets, CAD Drawings, Specifications, and Submittals. Visit LaminatorsInc.com for information on the latest documents regarding this panel system.

To consult directly with one of our Professional Engineers regarding our ACM panel systems, contact Laminators Technical Support between the hours of 8:00am – 5:00pm EST:

800.523.2347

LaminatorsInc.com

engineering@laminatorsinc.com

INSTRUCTIONS FOR NFPA 285 COMPLIANCE

With respect to fire performance, note the following when detailing the 1-Piece, Tight-Fit Molding Installation System with Back Drained & Ventilated (BD&V) Sub-Framing over CMU or concrete:

1. The following document represents the referenced system as it has been designed, detailed, and tested and its relationship with a typical exterior wall assembly. As such, the document may be considered a baseline for the system and appropriately applied to project-specific conditions.
 - a. The following document includes a partial elevation that outlines the NFPA 285 Zone and related dimensions, notes, and sections. In order to maintain NFPA 285 compliance, refer to the specialized detailing required in the NFPA 285 Zone and at window heads.
2. Through the use of a specific Engineering Evaluation (EEV) available from Laminators, engineering extensions may be made (in lieu of what has been tested) with respect to base wall framing, fire-stopping at floor lines, cavity insulation, and water-resistive barrier (WRB) components while maintaining NFPA 285 compliance. The EEV may be required for submission to the Authority Having Jurisdiction (AHJ) to support the extensions.
3. If one or more engineering extensions are required beyond what is provided in the EEV available from Laminators, it is the responsibility of a third-party to pursue obtaining a separate EEV that adequately addresses each intended substitution. Note that Laminators cannot serve as the third-party in efforts to obtain such an EEV.

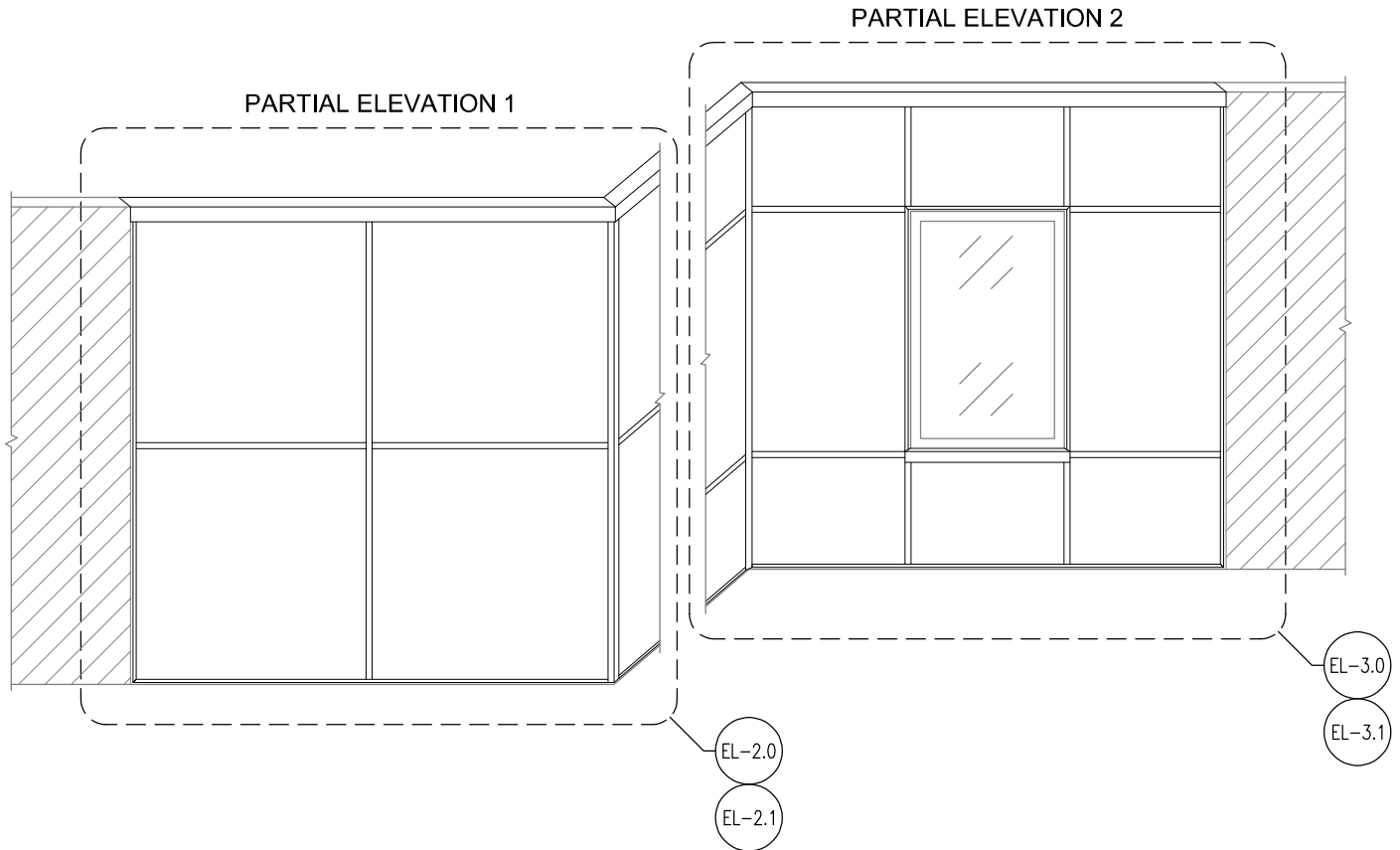
Note that the application of any engineering extension for NFPA 285 compliance will need to be evaluated by the Design Professional of Record (DPR) with respect to potential impact on any air, structural, and water performance of the project-specific exterior wall assembly. It is possible that components substituted to achieve fire testing compliance will affect the assembly differently with respect to air, structural, and water performance and need to be coordinated.

If the 1-Piece, Tight-Fit Molding Installation System with Back Drained & Ventilated (BD&V) Sub-Framing is intended to be installed over a different substrate (e.g. gypsum (non-structural) sheathing or Omega CI rigid insulation panels), please defer to the appropriate detail set. For installations over fire-retardant-treated wood (FRTW) structural sheathing (panels), please defer to the Omega CI detail set.

DRAWING INDEX – 1P-BDV-CMU DETAIL SET (Rev 02, 03/18/2022)

DWG NO.	TITLE	REV DATE	REV	CHANGE FROM PREVIOUS REV
EL-1.0	Overall Panel System Elevation	5/8/2020	00	
EL-2.0	BD&V Sub-Framing Layout (Partial Elevation 1)	3/18/2022	01	RH member removed
EL-2.1	System Component Layout (Partial Elevation 1)	5/8/2020	00	
EL-3.0	BD&V Sub-Framing Layout (Partial Elevation 2)	3/18/2022	01	RH member removed
EL-3.1	System Component Layout (Partial Elevation 2)	5/8/2020	00	
EL-4.0	NFPA 285 Compliance Detailing Requirements	5/8/2020	00	
S-1.1	Joint Detail (H-Molding)	5/8/2020	00	
S-1.2	Joint Detail (Reveal H-Molding)	3/18/2022	01	RH member removed
S-2	Intermediate Panel Support Detail	5/8/2020	00	
S-3.1	Left Vertical Edge Detail (Adjacent to New)	5/8/2020	00	
S-3.2	Left Vertical Edge Detail (Adjacent to Existing)	5/8/2020	00	
S-4.1	Top of Wall Detail	5/8/2020	00	
S-4.2	Top of Wall Detail w/ Termination Z-Molding	5/8/2020	00	
S-5	Base of Wall Detail	5/8/2020	00	
S-6.1	Outside Corner Detail (Molding Option)	5/8/2020	00	
S-6.2	Outside Corner Detail (Fabricated Option)	5/8/2020	00	
S-7.1	Inside Corner Detail (Molding Option)	5/8/2020	00	
S-7.2	Inside Corner Detail (Fabricated Option)	5/8/2020	00	
S-8.1	Window Head Detail	5/8/2020	00	
S-8.2	Window Head Detail (NFPA 285 Zone)	5/8/2020	00	
S-9.1	Window Sill Detail	5/8/2020	00	
S-9.2	Window Sill Detail w/ Termination Z-Molding	5/8/2020	00	
S-10.1	Window Jamb Detail	5/8/2020	00	
S-10.2	Window Jamb Detail w/ Term Z-Molding	5/8/2020	00	
S-11.1	Right Vertical Edge Detail (Adjacent to New)	5/8/2020	00	

DWG NO.	TITLE	REV DATE	REV	CHANGE FROM PREVIOUS REV
S-11.2	Right Vertical Edge Detail w/ Term Z (Adj. to New)	5/8/2020	00	
S-11.3	Right Vertical Edge Detail (Adjacent to Existing)	5/8/2020	00	
S-11.4	Right Vertical Edge Detail w/ Term Z (Adj. to Existing)	5/8/2020	00	
S-12.1	Fascia-to-Soffit Transition Detail (Molding Option)	5/8/2020	00	
S-12.2	Fascia-to-Soffit Transition Detail (Fabricated Option)	5/8/2020	00	
S-13.1	Soffit-to-Wall Transition Detail (Molding Option)	5/8/2020	00	
S-13.2	Soffit-to-Wall Transition Detail (Term Z-Molding)	5/8/2020	00	
S-13.3	Soffit-to-Wall Transition Detail (Fabricated Option)	5/8/2020	00	
M-1	Panel Sizing Guidelines	5/8/2020	00	
M-2	Soffit Vent Installation Requirements	5/8/2020	00	
M-3	BD&V Sub-Framing Member Profiles	3/18/2022	01	RH member removed
M-4	Molding Profiles	5/8/2020	00	
M-5.1	Panel Back Venting Requirements (NFPA 285) - 1 of 2	5/8/2020	00	
M-5.2	Panel Back Venting Requirements (NFPA 285) - 2 of 2	5/8/2020	00	



OVERALL PANEL SYSTEM ELEVATION

SYSTEM INSTALLATION NOTES:

1. REFER TO EL-2.0 & EL-3.0 FOR BD&V SUB-FRAMING LAYOUTS
2. REFER TO EL-2.1 & EL-3.1 FOR SYSTEM COMPONENT LAYOUTS
3. REFER TO S-12.1, S-12.2, S-13.1, S-13.2, & S-13.3 FOR SOFFIT DETAILS NOT REFERENCED FROM OVERALL PANEL SYSTEM ELEVATION
4. REFER TO M-1 FOR PANEL SIZING GUIDELINES
5. REFER TO M-3 FOR BD&V SUB-FRAMING MEMBER PROFILES
6. REFER TO M-4 FOR MOLDING PROFILES
7. REFER TO EL-2.0 FOR BD&V SUB-FRAMING LAYOUT TO BE USED FOR TYPICAL SOFFIT CONDITIONS
8. INSTALLATION LIMITED TO THE FOLLOWING SUBSTRATES:
 - A. NORMAL WEIGHT ASTM C90 CMU BLOCK (HOLLOW OR GROUTED) WITH MINIMUM COMPRESSIVE STRENGTH ($f'm$) = 2,000 PSI AND MINIMUM FACE SHELL THICKNESS = 1-1/4"
 - B. NORMAL WEIGHT CONCRETE WITH MINIMUM COMPRESSIVE STRENGTH ($f'c$) = 2,500 PSI
9. CMU AND CONCRETE SUBSTRATES MUST BE EVALUATED BY A QUALIFIED FACADE/ENVELOPE CONSULTANT AND THE DESIGN PROFESSIONAL OF RECORD FOR STRUCTURAL COMPETENCY

IMPORTANT NOTICE

PROJECT-SPECIFIC COMPONENTS AND CLADDING WIND LOADS (REQUIRED STRENGTH, R_o) SHALL NOT EXCEED AVAILABLE LOAD-CARRYING CAPACITY OF SYSTEM (ALLOWABLE STRENGTH, R_n/Ω)

- A. PROJECT-SPECIFIC COMPONENTS AND CLADDING WIND LOADS (REFERRED TO AS WIND LOADS IN EL-2.0, 2.1, 3.0, & 3.1) ARE TO BE DETERMINED BY THE DESIGN PROFESSIONAL OF RECORD
- B. AVAILABLE LOAD-CARRYING CAPACITY OF SYSTEM (UP TO 60 PSF) IS BASED ON ALLOWABLE STRENGTH DESIGN (ASD) METHOD
- C. FOR PROJECT-SPECIFIC COMPONENTS AND CLADDING WIND LOADS GREATER THAN 60 PSF, CONTACT LAMINATORS TECHNICAL SUPPORT FOR PROJECT-SPECIFIC DETAILING REQUIREMENTS



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OVERALL PANEL SYSTEM ELEVATION

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

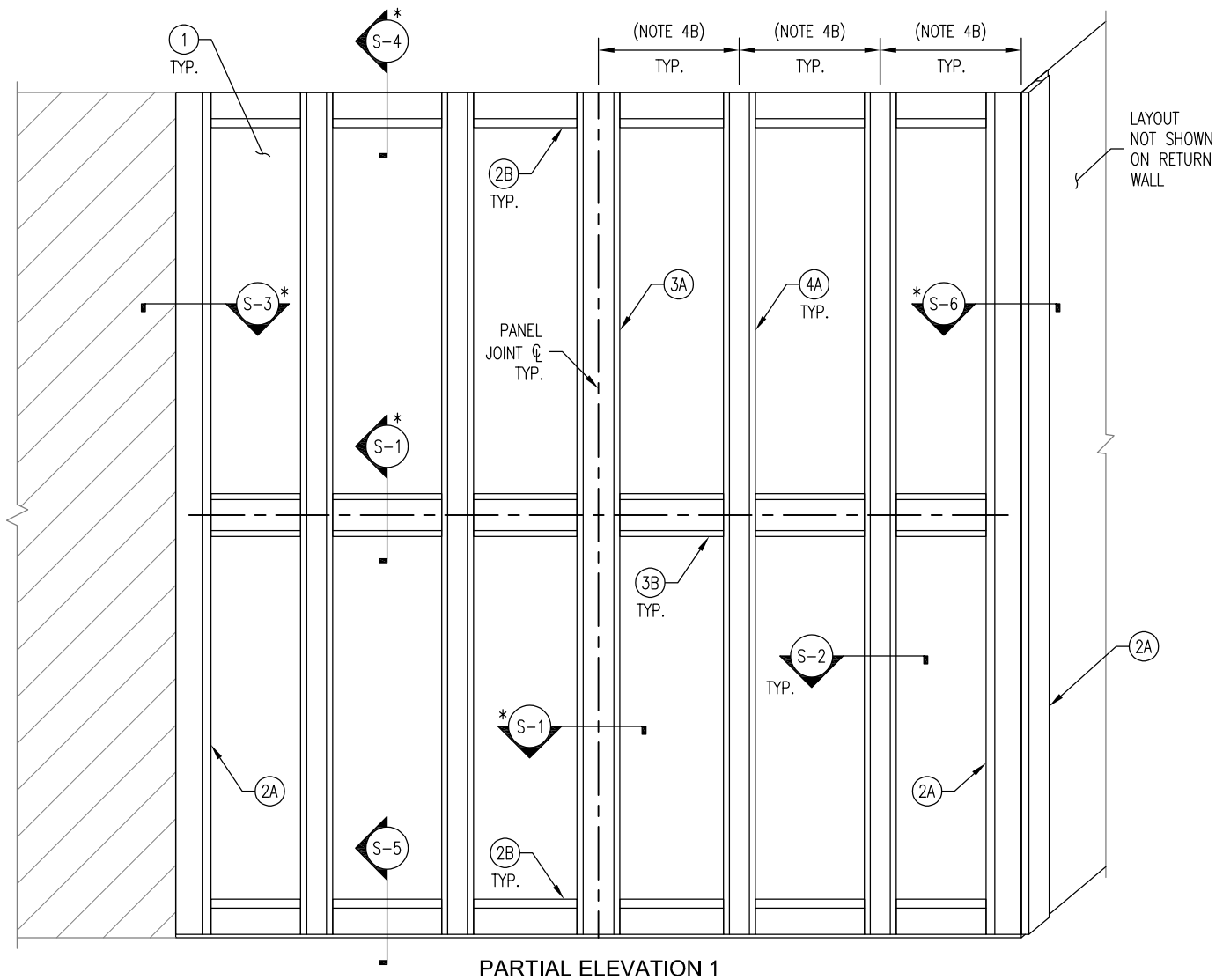
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
EL-1.0

Rev:
00



NOTES:

* DENOTES SECTIONS WITH AT LEAST (2) CONFIGURATIONS AVAILABLE (EX. S-1.1, S-1.2, ETC)

① CMU OR CONCRETE W/ AIR AND WATER BARRIER (AWB)
 • TYPE OF AWB TO BE SELECTED BY DESIGN PROFESSIONAL OF RECORD

② EJ SUB-FRAMING MEMBERS (PART NO. 48BDV-EJ)
 A. VERTICAL EJ MEMBERS INSTALLED ALONG LEFT VERTICAL EDGE AND OUTSIDE CORNER
 B. HORIZONTAL EJ MEMBERS INSTALLED BETWEEN FLANGES OF VERTICAL MEMBERS AT TOP AND BASE OF WALL

③ SH SUB-FRAMING MEMBERS (PART NO. 48BDV-SH)
 A. VERTICAL SH MEMBER INSTALLED ALONG CENTERLINE OF VERTICAL PANEL JOINT
 B. HORIZONTAL SH MEMBERS INSTALLED BETWEEN FLANGES OF VERTICAL MEMBERS ALONG CENTERLINE OF HORIZONTAL PANEL JOINT

④ AH SUB-FRAMING MEMBERS (PART NO. 48BDV-AH)
 A. VERTICAL AH MEMBERS INSTALLED AS INTERMEDIATE PANEL SUPPORTS
 B. SPACING OF AH MEMBERS TO BE BASED ON WIND LOADS:
 i. UP TO 40 PSF (ASD): 24" O.C. (MAX)
 ii. GREATER THAN 40 PSF (ASD), UP TO 60 PSF (ASD): 16" O.C. (MAX)

BD&V SUB-FRAMING MEMBER FASTENING REQUIREMENTS (BASED ON WIND LOADS):

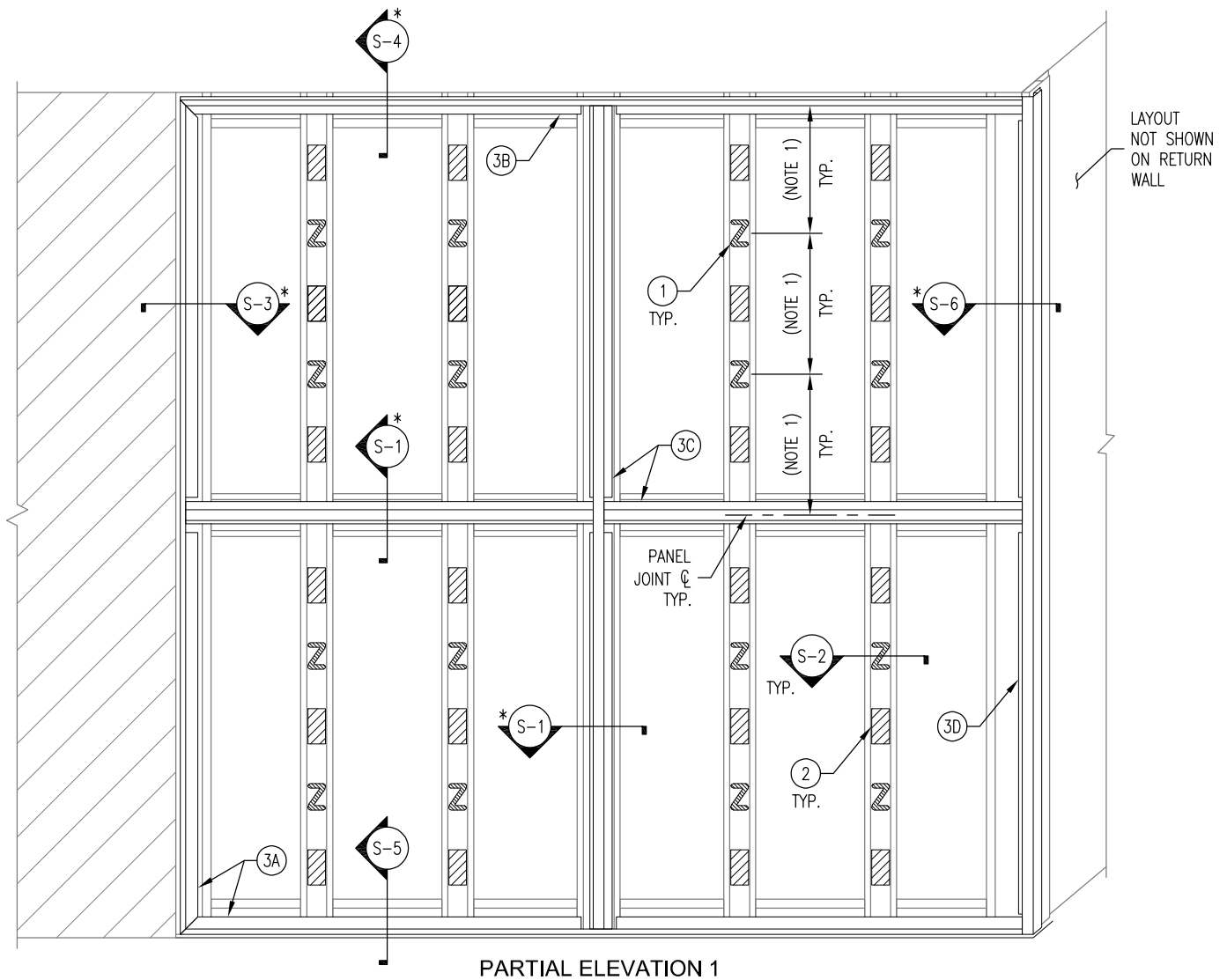
- UP TO 60 PSF (ASD): FASTEN TO CMU OR CONCRETE USING 1/4" X 1-3/4" CONCRETE SCREW ANCHORS (PART NO. 48BDV-FASTENER-CMU/CONCRETE)
 - EJ MEMBERS:
 - VERTICAL: (1) SCREW AT 16" (MAX)
 - HORIZONTAL: (1) SCREW LOCATED 2" FROM EACH END (2 TOTAL)
 - SH/RH MEMBERS:
 - VERTICAL: (2) SCREWS AT 16" O.C. (MAX); ONE SCREW PER FLANGE
 - HORIZONTAL: (2) SCREWS LOCATED 2" FROM EACH END (4 TOTAL)
 - AH MEMBERS:
 - VERTICAL: (2) SCREWS AT 16" O.C. (MAX); ONE SCREW PER FLANGE



BD&V SUB-FRAMING LAYOUT (PARTIAL ELEVATION 1)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 3/18/2022	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: EL-2.0	Rev: 01
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PARTIAL ELEVATION 1

NOTES:

- * DENOTES SECTIONS WITH AT LEAST (2) CONFIGURATIONS AVAILABLE (EX. S-1.1, S-1.2, ETC)
- ① 1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL ADHESIVE APPLIED TO FACE OF AH SUB-FRAMING MEMBERS IN 2" X 3" Z-FORMATION; SPACING OF ADHESIVE LOCATIONS TO BE BASED ON WIND LOADS:
 - UP TO 60 PSF (ASD): 16" O.C. VERTICALLY (MAX) WITHIN FIELD OF PANEL
- ② 4" LONG STRIPS OF FOAM TAPE (PART NO. 12847) APPLIED TO FACE OF AH SUB-FRAMING MEMBERS CENTERED BETWEEN ADHESIVE LOCATIONS AND MOLDINGS
- ③ MOLDING LAYOUT SHOWN FOR PANEL INSTALLATION WITH VERTICAL PASS-THROUGH JOINTS; REFER TO SYSTEM GUIDE FOR MOLDING INTERSECTION OPTIONS, NOTCHING PROCEDURES, AND SEQUENCING:
 - A. J-MOLDING (PART NO. 4515X) INSTALLED ALONG BASE OF WALL AND LEFT VERTICAL EDGE
 - B. TERMINATION J-MOLDING (PART NO. 4565X) INSTALLED ALONG TOP OF WALL
 - C. H-MOLDINGS (PART NO. 4505X) OR REVEAL H-MOLDINGS (PART NO. 4595X) INSTALLED ALONG HORIZONTAL AND VERTICAL PANEL JOINTS (H-MOLDINGS SHOWN)
 - D. OUTSIDE CORNER MOLDING (PART NO. 4535X) INSTALLED ALONG OUTSIDE CORNER

MOLDING FASTENING REQUIREMENTS (BASED ON WIND LOADS):

- UP TO 60 PSF (ASD): FASTEN MOLDINGS TO FACE OF SUB-FRAMING MEMBERS USING (1) #8 X 1/2" PHILLIPS MODIFIED TRUSS HEAD SELF-DRILLING SCREW (PART NO. 48BDV-FASTENER-MOLDING) AT 12" O.C. (MAX)
 - NOTE: PHILLIPS PAN HEAD SELF-DRILLING SCREWS (PART NO. 48BDV-FASTENER-C&C) TO BE USED FOR FASTENING OF TERMINATION J- AND Z-MOLDINGS



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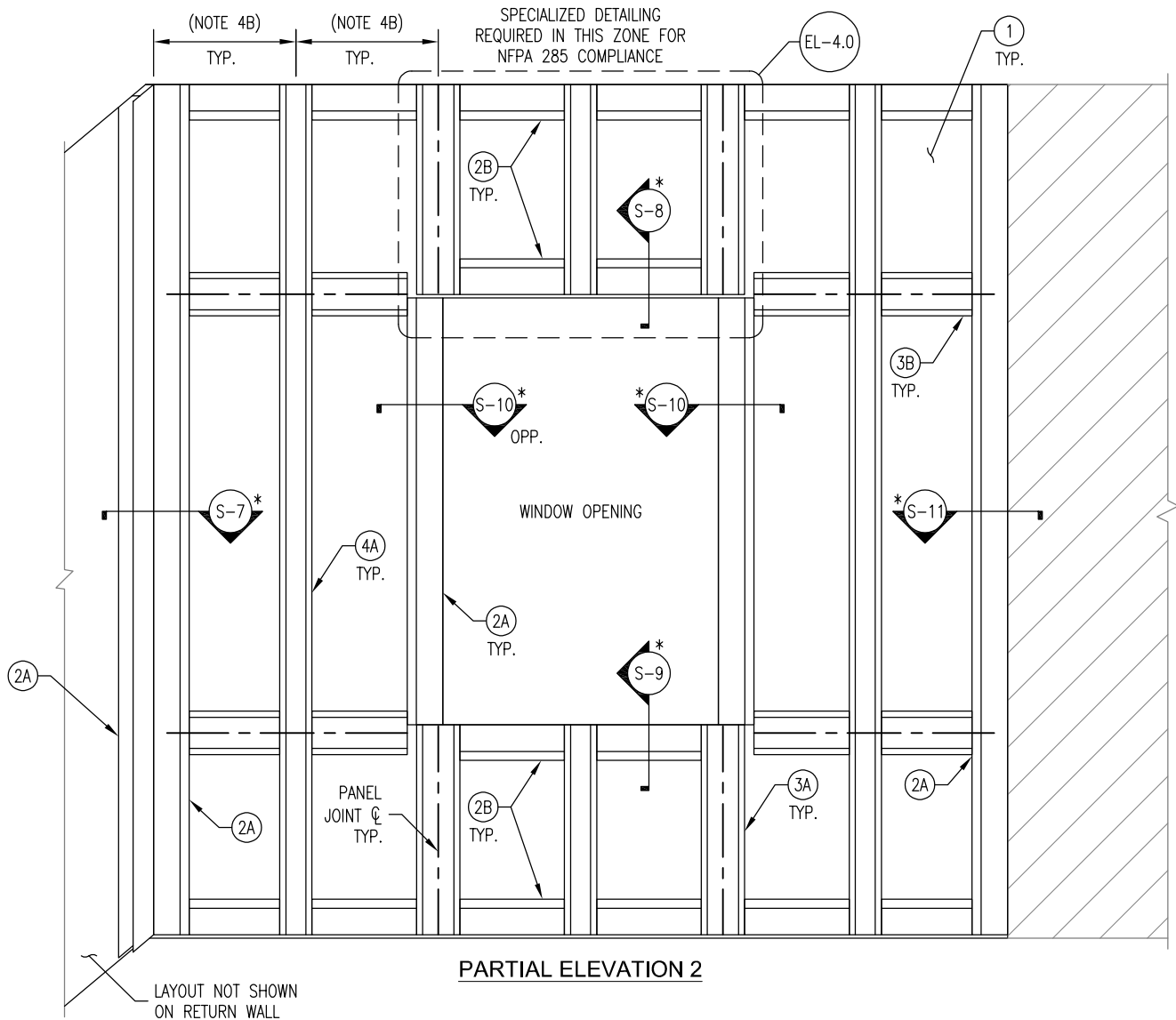
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SYSTEM COMPONENT LAYOUT (PARTIAL ELEVATION 1)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: EL-2.1	Rev: 00
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PARTIAL ELEVATION 2

NOTES:

* DENOTES SECTIONS WITH AT LEAST (2) CONFIGURATIONS AVAILABLE (EX. S-1.1, S-1.2, ETC)

① CMU OR CONCRETE W/ AIR AND WATER BARRIER (AWB)
 • TYPE OF AWB TO BE SELECTED BY DESIGN PROFESSIONAL OF RECORD

② EJ SUB-FRAMING MEMBERS (PART NO. 48BDV-EJ)
 A. VERTICAL EJ MEMBERS INSTALLED ALONG INSIDE CORNER, WINDOW JAMBS, AND RIGHT VERTICAL EDGE
 B. HORIZONTAL EJ MEMBERS INSTALLED BETWEEN FLANGES OF VERTICAL MEMBERS AT WINDOW HEAD/SILL AND AT TOP/BASE OF WALL

③ SH SUB-FRAMING MEMBERS (PART NO. 48BDV-SH)
 A. VERTICAL SH MEMBERS INSTALLED ALONG CENTERLINE OF VERTICAL PANEL JOINTS
 B. HORIZONTAL SH MEMBERS INSTALLED BETWEEN FLANGES OF VERTICAL MEMBERS ALONG CENTERLINE OF HORIZONTAL PANEL JOINTS

④ AH SUB-FRAMING MEMBERS (PART NO. 48BDV-AH)
 A. VERTICAL AH MEMBERS INSTALLED AS INTERMEDIATE PANEL SUPPORTS
 B. SPACING OF AH MEMBERS TO BE BASED ON WIND LOADS:
 i. 0 TO 40 PSF (ASD): 24" O.C. (MAX)
 ii. GREATER THAN 40 PSF (ASD), UP TO 60 PSF (ASD): 16" O.C. (MAX)

BD&V SUB-FRAMING MEMBER FASTENING REQUIREMENTS (BASED ON WIND LOADS):

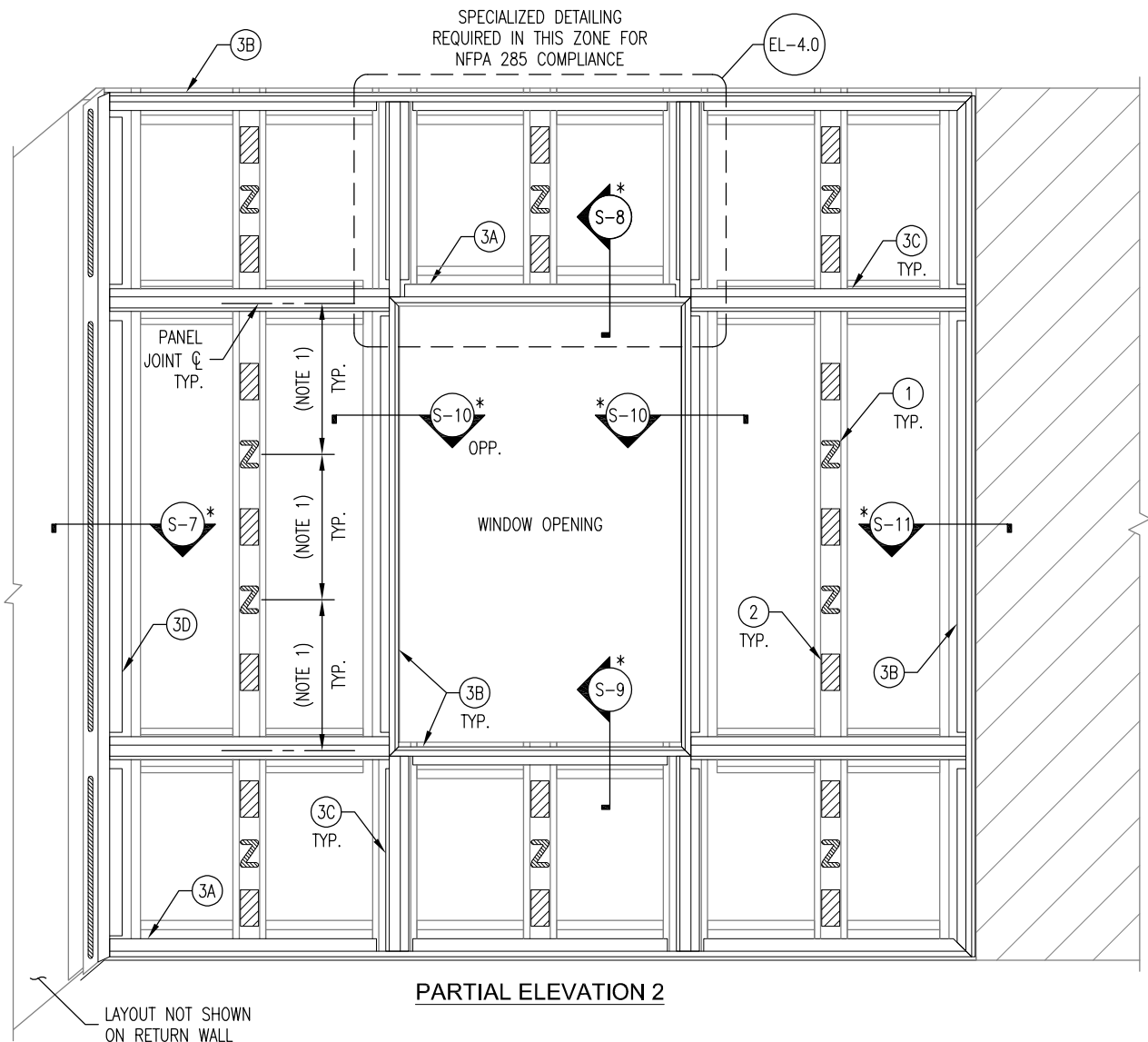
- UP TO 60 PSF (ASD): FASTEN TO CMU OR CONCRETE USING 1/4" X 1-3/4" CONCRETE SCREW ANCHORS (PART NO. 48BDV-FASTENER-CMU/CONCRETE)
 - EJ MEMBERS:
 - VERTICAL: (1) SCREW AT 16" (MAX)
 - HORIZONTAL: (1) SCREW LOCATED 2" FROM EACH END (2 TOTAL)
 - SH/RH MEMBERS:
 - VERTICAL: (2) SCREWS AT 16" O.C. (MAX); ONE SCREW PER FLANGE
 - HORIZONTAL: (2) SCREWS LOCATED 2" FROM EACH END (4 TOTAL)
 - AH MEMBERS:
 - VERTICAL: (2) SCREWS AT 16" O.C. (MAX); ONE SCREW PER FLANGE



BD&V SUB-FRAMING LAYOUT (PARTIAL ELEVATION 2)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 3/18/2022	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: EL-3.0	Rev: 01
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NOTES:

* DENOTES SECTIONS WITH AT LEAST (2) CONFIGURATIONS AVAILABLE (EX. S-1.1, S-1.2, ETC)

① 1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL ADHESIVE APPLIED TO FACE OF AH SUB-FRAMING MEMBERS IN 2" X 3" Z-FORMATION; SPACING OF ADHESIVE LOCATIONS TO BE BASED ON WIND LOADS:

- UP TO 60 PSF (ASD): 16" O.C. VERTICALLY (MAX) WITHIN FIELD OF PANEL

② 4" LONG STRIPS OF FOAM TAPE (PART NO. 12847) APPLIED TO FACE OF AH SUB-FRAMING MEMBERS CENTERED BETWEEN ADHESIVE LOCATIONS

③ MOLDING LAYOUT SHOWN FOR PANEL INSTALLATION WITH VERTICAL PASS-THROUGH JOINTS; REFER TO SYSTEM GUIDE FOR MOLDING INTERSECTION OPTIONS, NOTCHING PROCEDURES, AND SEQUENCING:

- A. J-MOLDING (PART NO. 4515X) INSTALLED ALONG WINDOW HEAD AND BASE OF WALL
- B. TERMINATION J-MOLDING (PART NO. 4565X) INSTALLED ALONG WINDOW SILL AND JAMBS, TOP OF WALL, AND RIGHT VERTICAL EDGE
- C. H-MOLDINGS (PART NO. 4505X) OR REVEAL H-MOLDINGS (PART NO. 4595X) INSTALLED ALONG HORIZONTAL AND VERTICAL PANEL JOINTS (H-MOLDINGS SHOWN)
- D. INSIDER CORNER MOLDING (PART NO. 4525X) INSTALLED ALONG INSIDE CORNER

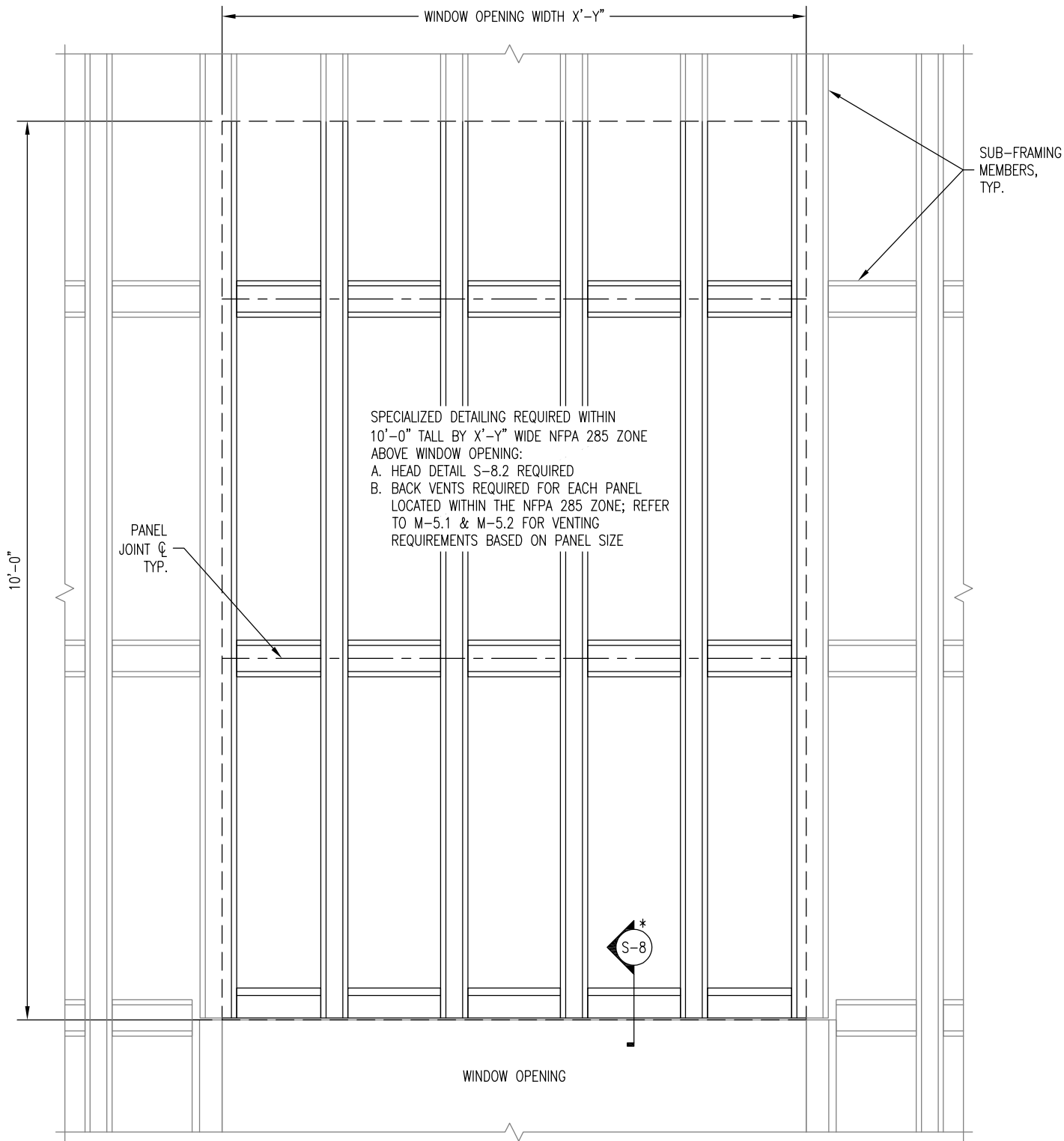
MOLDING FASTENING REQUIREMENTS (BASED ON WIND LOADS):

- UP TO 60 PSF (ASD): FASTEN MOLDINGS TO FACE OF SUB-FRAMING MEMBERS USING (1) #8 X 1/2" PHILLIPS MODIFIED TRUSS HEAD SELF-DRILLING SCREW (PART NO. 48BDV-FASTENER-MOLDING) AT 12" O.C. (MAX)
 - NOTE: PHILLIPS PAN HEAD SELF-DRILLING SCREWS (PART NO. 48BDV-FASTENER-C&C) TO BE USED FOR FASTENING OF TERMINATION J- AND Z-MOLDINGS



SYSTEM COMPONENT LAYOUT (PARTIAL ELEVATION 2)

**1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE**



SPECIALIZED DETAILING REQUIRED WITHIN
 10'-0" TALL BY X'-Y" WIDE NFPA 285 ZONE
 ABOVE WINDOW OPENING:
 A. HEAD DETAIL S-8.2 REQUIRED
 B. BACK VENTS REQUIRED FOR EACH PANEL
 LOCATED WITHIN THE NFPA 285 ZONE; REFER
 TO M-5.1 & M-5.2 FOR VENTING
 REQUIREMENTS BASED ON PANEL SIZE

PANEL
 JOINT ϕ
 TYP.

SUB-FRAMING
 MEMBERS,
 TYP.

*
 S-8

PARTIAL ELEVATION

DETAIL NOTES:

1. REPRESENTATIVE ZONE ABOVE WINDOW ENLARGED FOR CLARITY FROM THAT SHOWN ON EL-3.0 & EL-3.1
2. ABOVE WINDOW OPENINGS, VERTICAL PANEL JOINTS ARE TO BE ALIGNED WITH JAMBS OR MULLIONS ONLY



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NFPA 285 COMPLIANCE DETAILING REQUIREMENTS

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
 WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
 5/8/2020

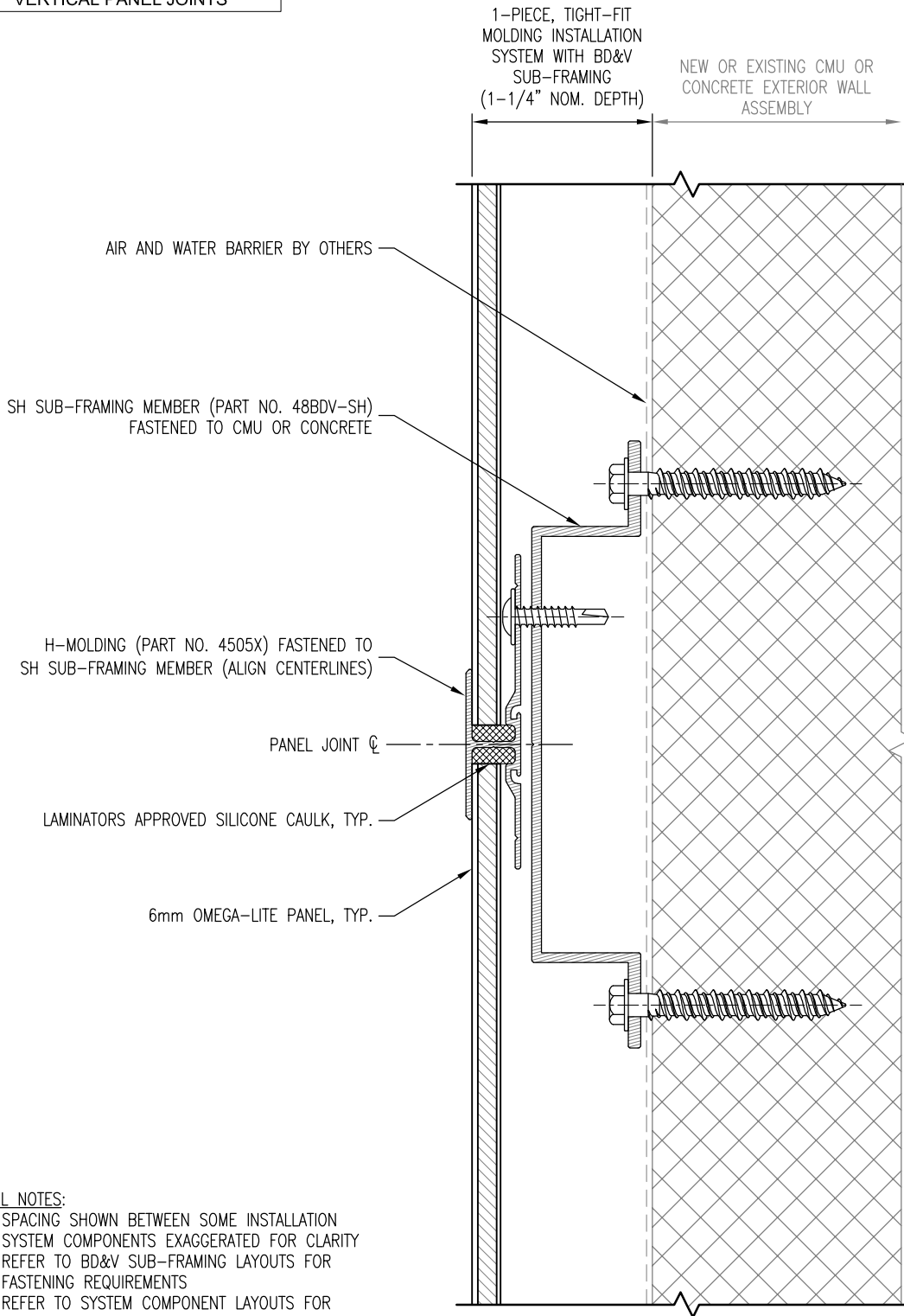
Drawn By:
 JJM

Detail Set:
 1P-BDV-CMU

Dwg. No.:
 EL-4.0

Rev:
 00

NOTE: THIS DETAIL IS APPLICABLE
ALONG BOTH HORIZONTAL AND
VERTICAL PANEL JOINTS



SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS



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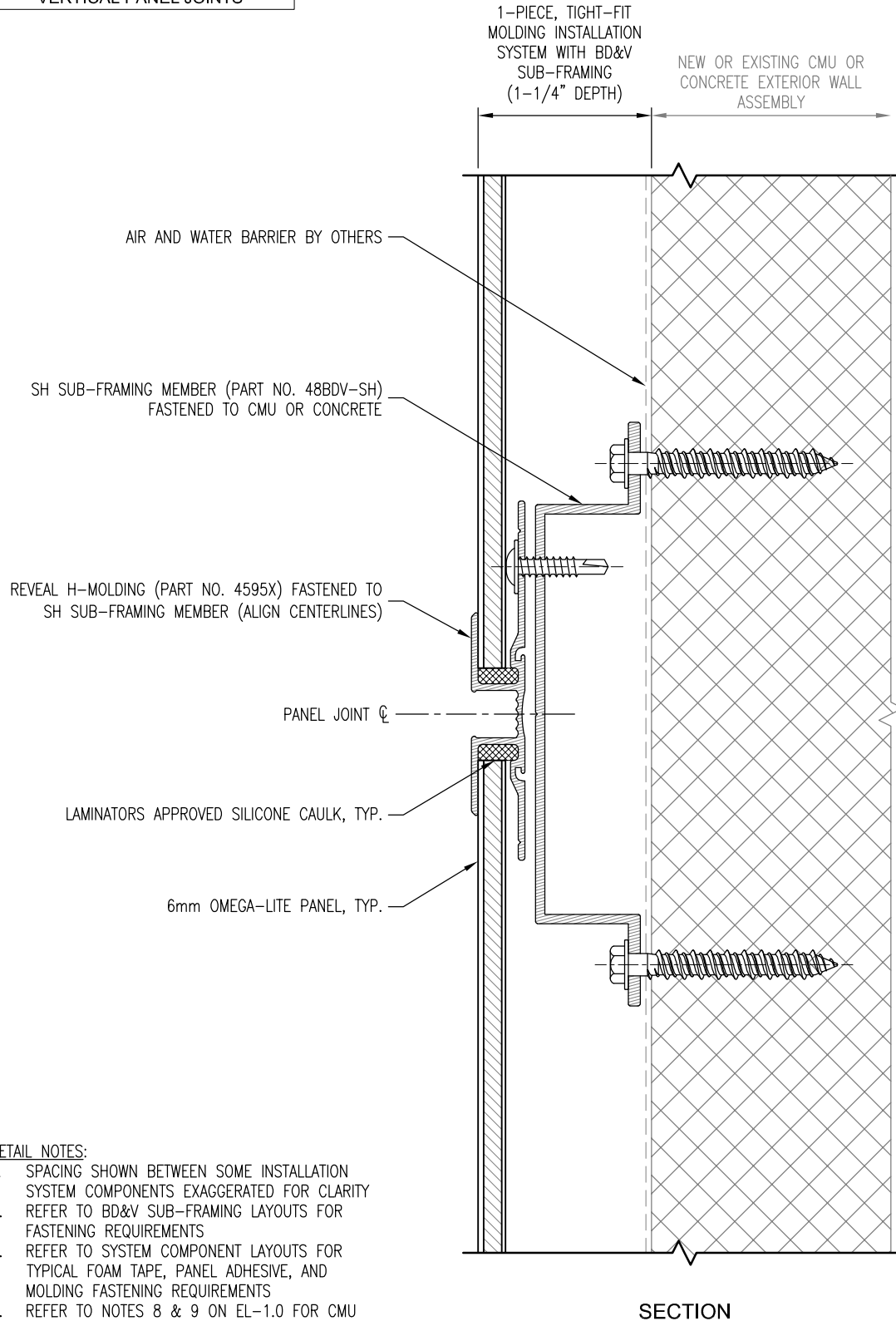
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JOINT DETAIL (H-MOLDING)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-1.1	Rev: 00
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NOTE: THIS DETAIL IS APPLICABLE
ALONG BOTH HORIZONTAL AND
VERTICAL PANEL JOINTS



DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS



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JOINT DETAIL (REVEAL H-MOLDING)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

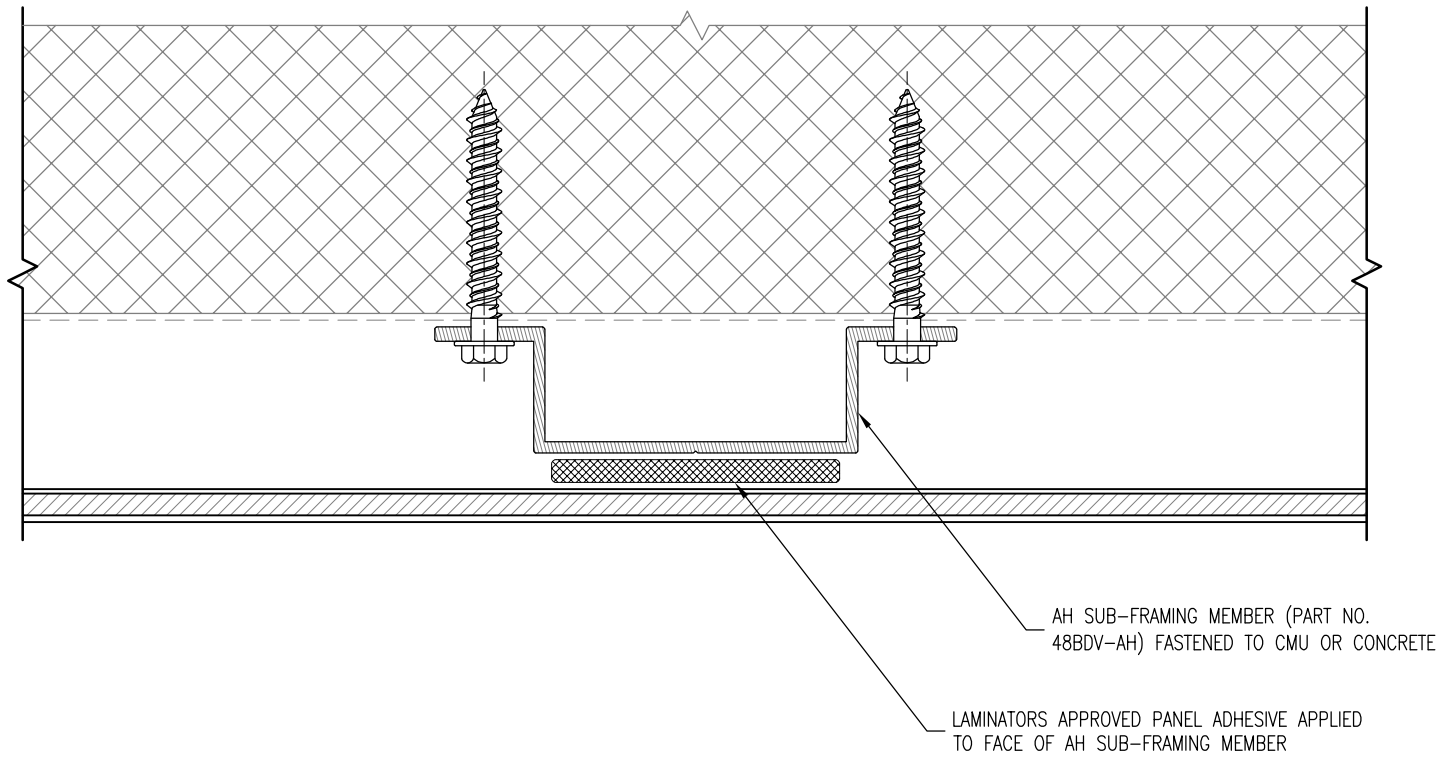
Date:
3/18/2022

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-1.2

Rev:
01



PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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INTERMEDIATE PANEL SUPPORT DETAIL

**1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE**

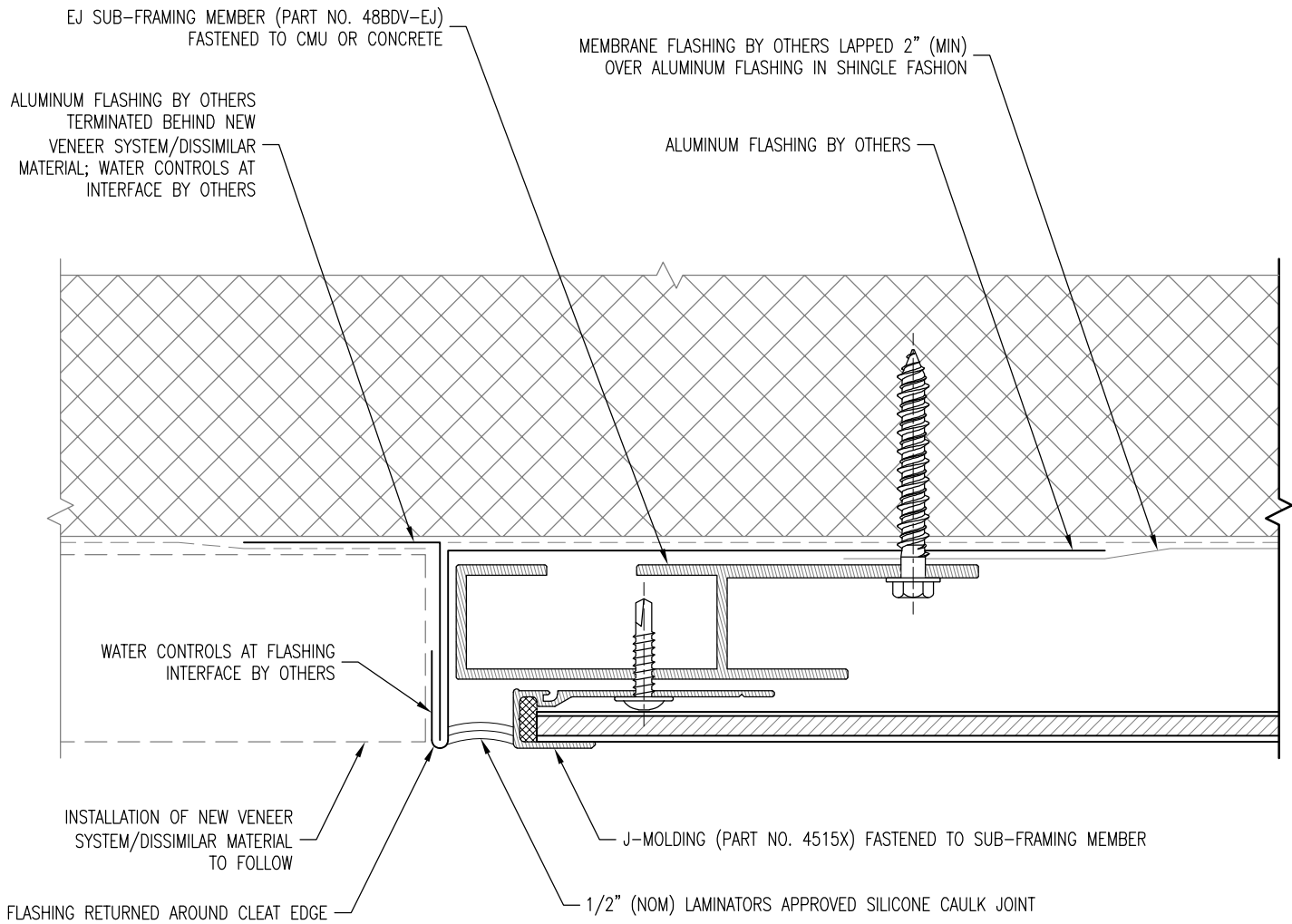
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-2

Rev:
00



PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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LEFT VERTICAL EDGE DETAIL (ADJACENT TO NEW)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

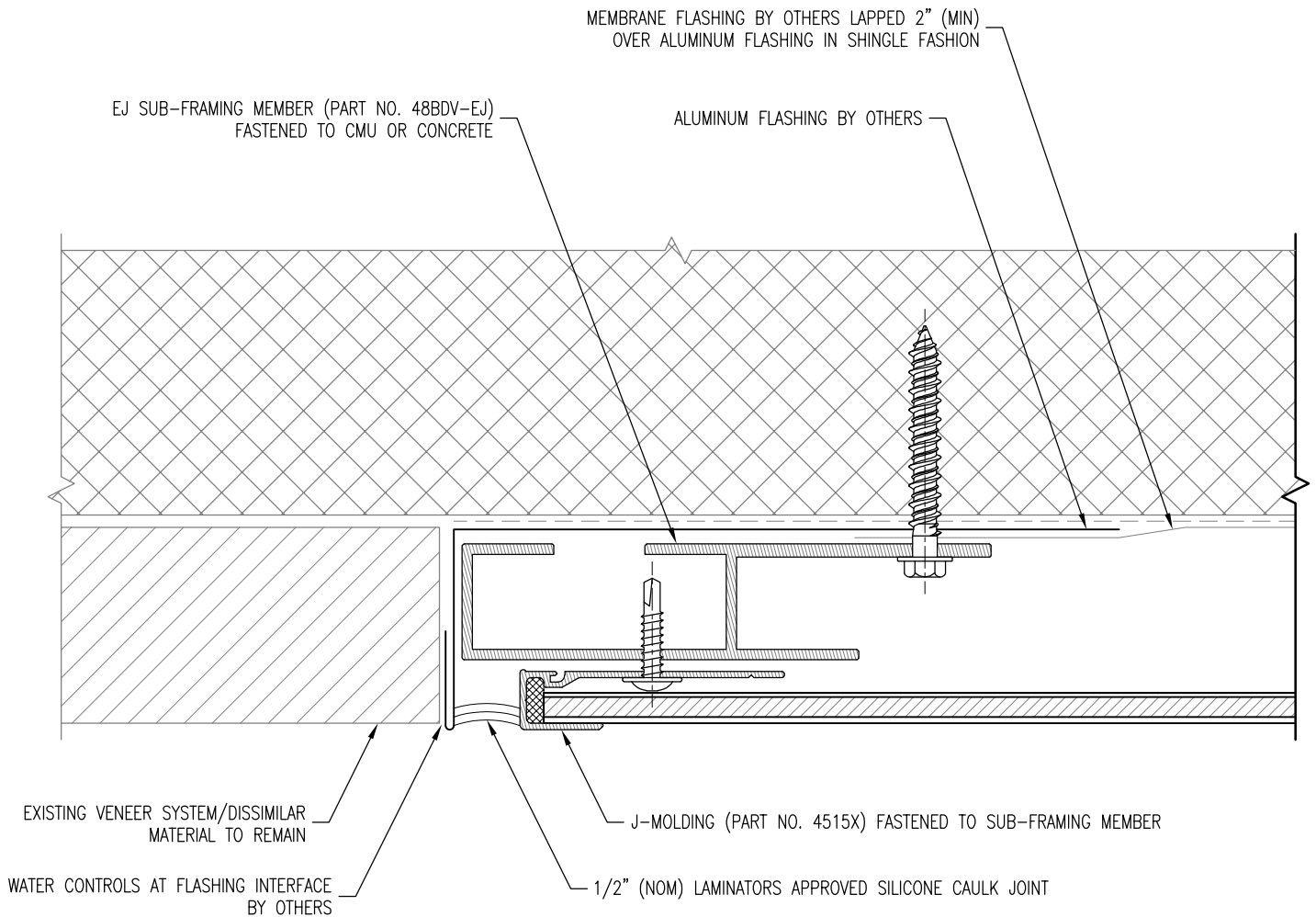
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-3.1

Rev:
00



DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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LEFT VERTICAL EDGE DETAIL (ADJACENT TO EXISTING)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
5/8/2020

Drawn By:
JJM

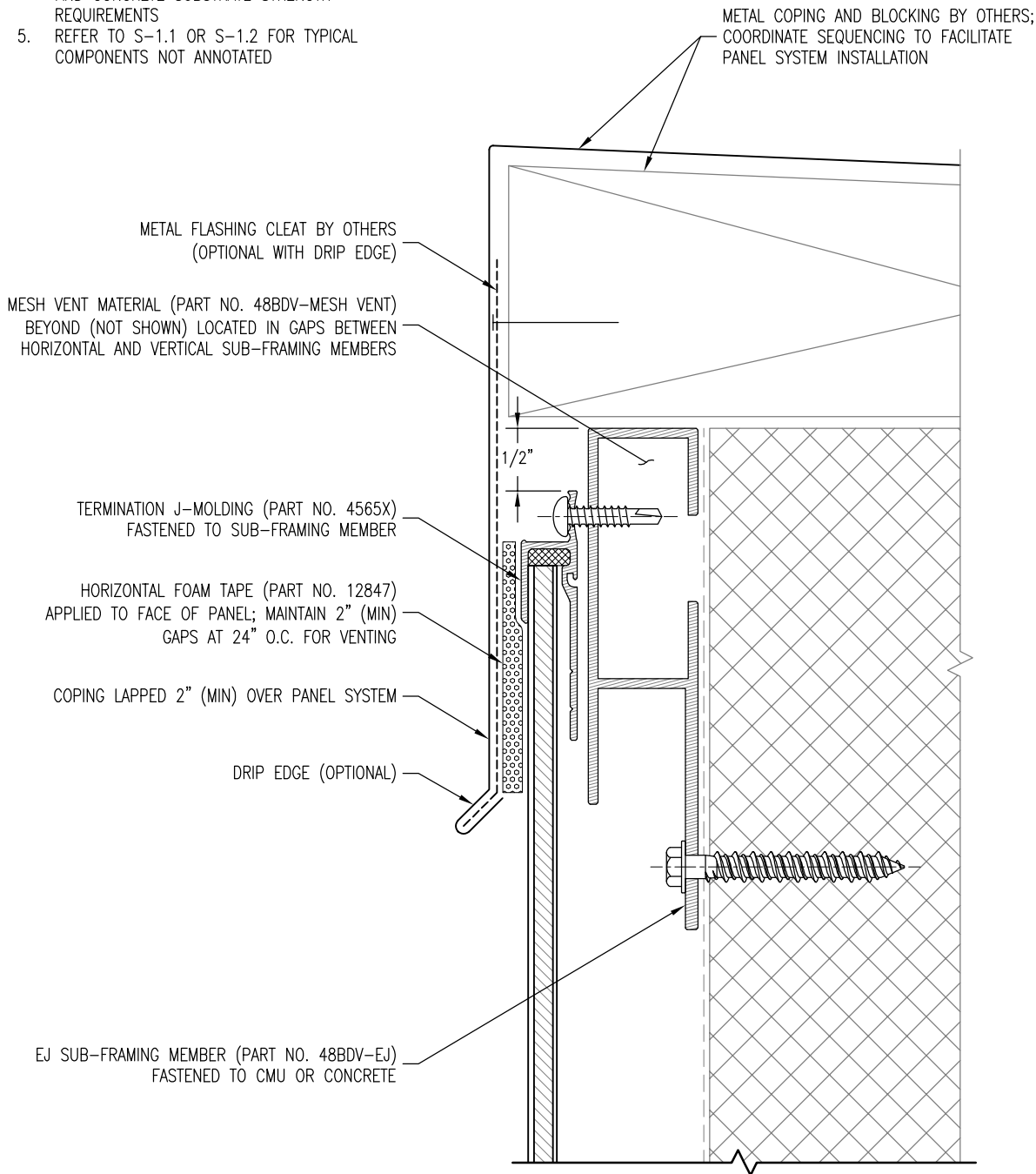
Detail Set:
1P-BDV-CMU

Dwg. No.:
S-3.2

Rev:
00

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



SECTION



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TOP OF WALL DETAIL

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
5/8/2020

Drawn By:
JJM

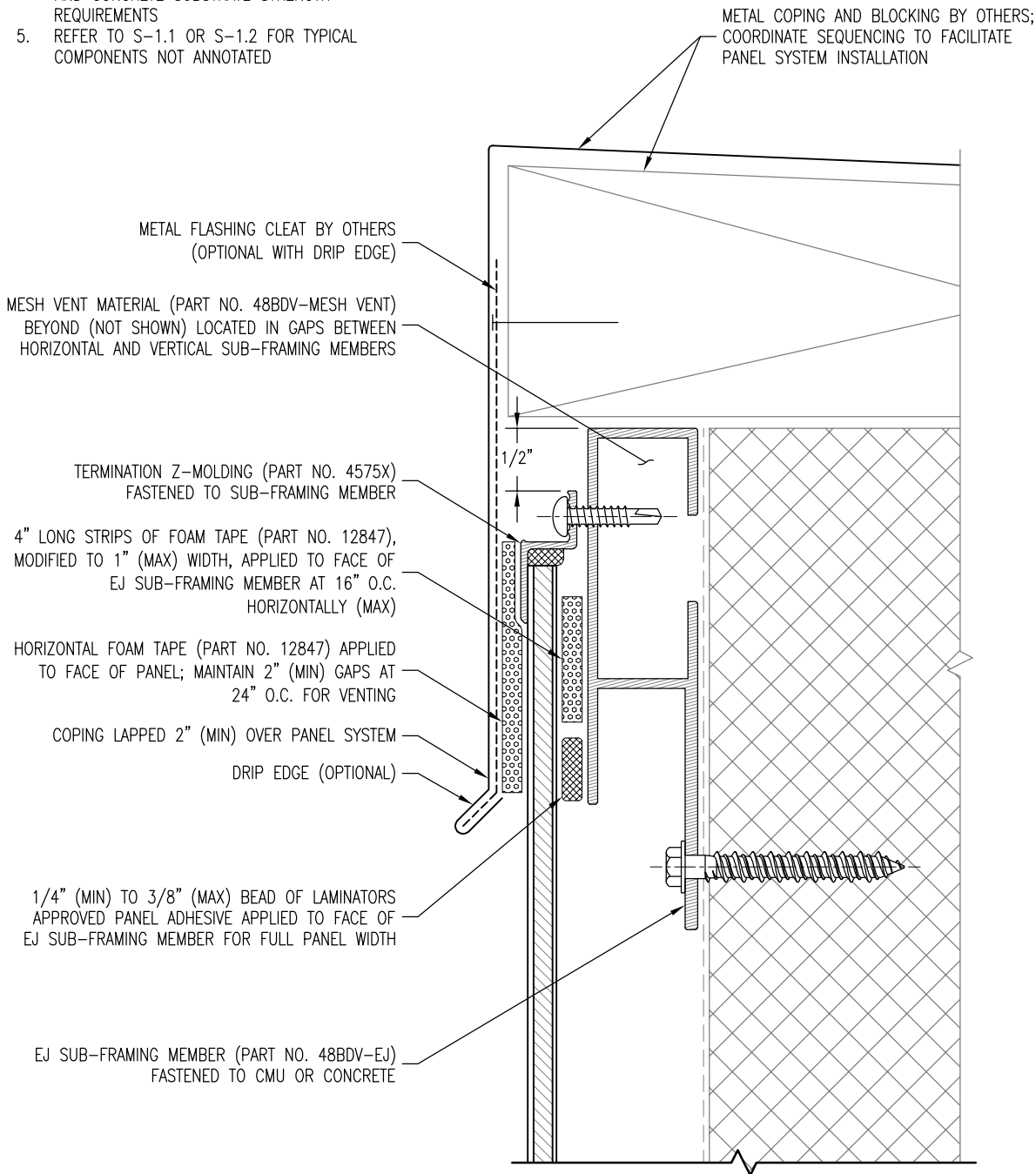
Detail Set:
1P-BDV-CMU

Dwg. No.:
S-4.1

Rev:
00

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



SECTION



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TOP OF WALL DETAIL w/ TERMINATION Z-MOLDING

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

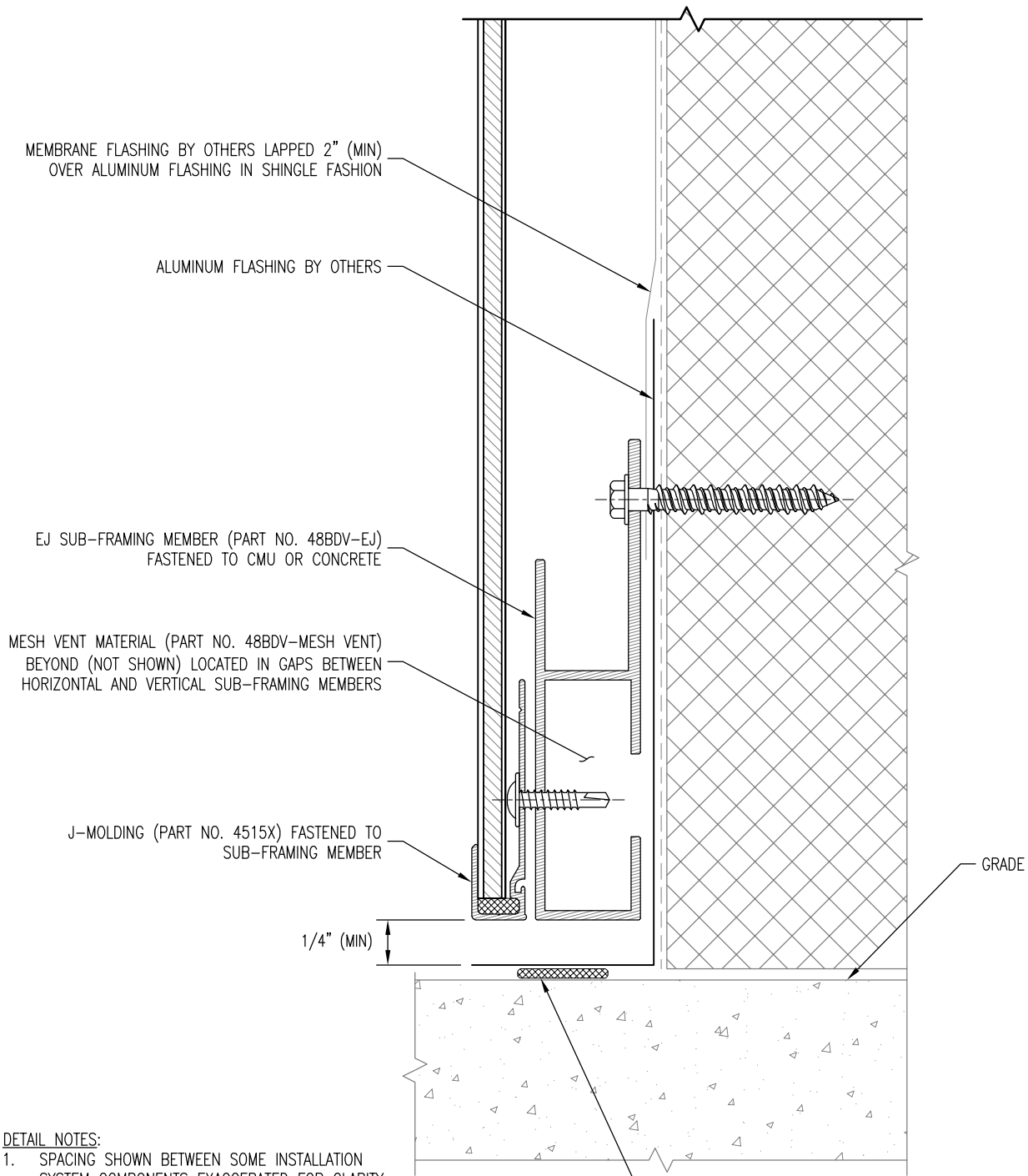
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-4.2

Rev:
00



SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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BASE OF WALL DETAIL

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

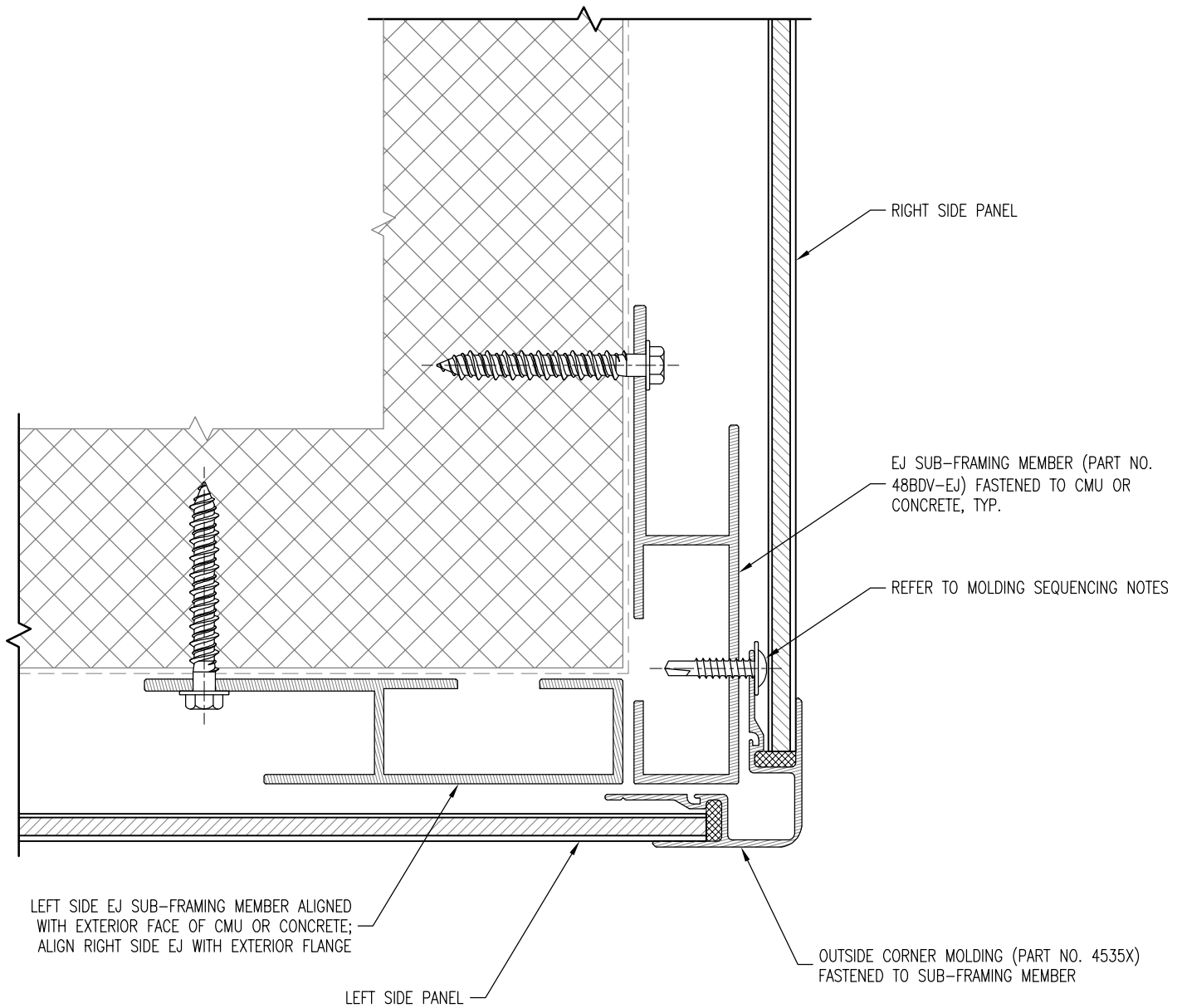
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-5

Rev:
00



PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

MOLDING SEQUENCING NOTES:

1. PROGRESS INSTALLATION FROM LEFT TO RIGHT AROUND CORNER
2. FASTEN RIGHT FLANGE OF OUTSIDE CORNER MOLDING TO SUB-FRAMING MEMBER PRIOR TO INSTALLATION OF RIGHT SIDE PANELS
3. REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION



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OUTSIDE CORNER DETAIL (MOLDING OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

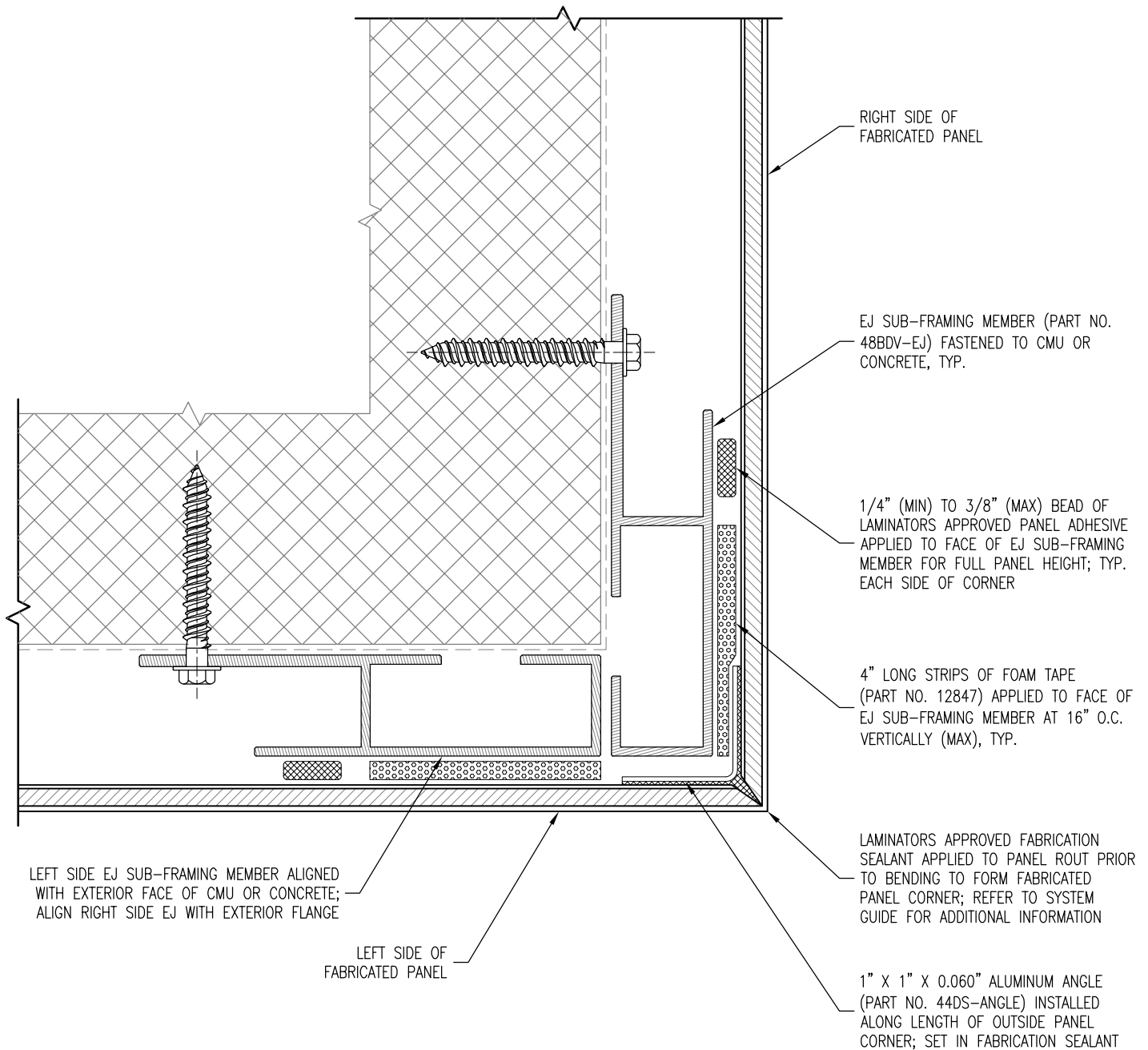
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-6.1

Rev:
00



LEFT SIDE EJ SUB-FRAMING MEMBER ALIGNED WITH EXTERIOR FACE OF CMU OR CONCRETE; ALIGN RIGHT SIDE EJ WITH EXTERIOR FLANGE

LEFT SIDE OF FABRICATED PANEL

RIGHT SIDE OF FABRICATED PANEL

EJ SUB-FRAMING MEMBER (PART NO. 48BDV-EJ) FASTENED TO CMU OR CONCRETE, TYP.

1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL ADHESIVE APPLIED TO FACE OF EJ SUB-FRAMING MEMBER FOR FULL PANEL HEIGHT; TYP. EACH SIDE OF CORNER

4" LONG STRIPS OF FOAM TAPE (PART NO. 12847) APPLIED TO FACE OF EJ SUB-FRAMING MEMBER AT 16" O.C. VERTICALLY (MAX), TYP.

LAMINATORS APPROVED FABRICATION SEALANT APPLIED TO PANEL ROUT PRIOR TO BENDING TO FORM FABRICATED PANEL CORNER; REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION

1" X 1" X 0.060" ALUMINUM ANGLE (PART NO. 44DS-ANGLE) INSTALLED ALONG LENGTH OF OUTSIDE PANEL CORNER; SET IN FABRICATION SEALANT

PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



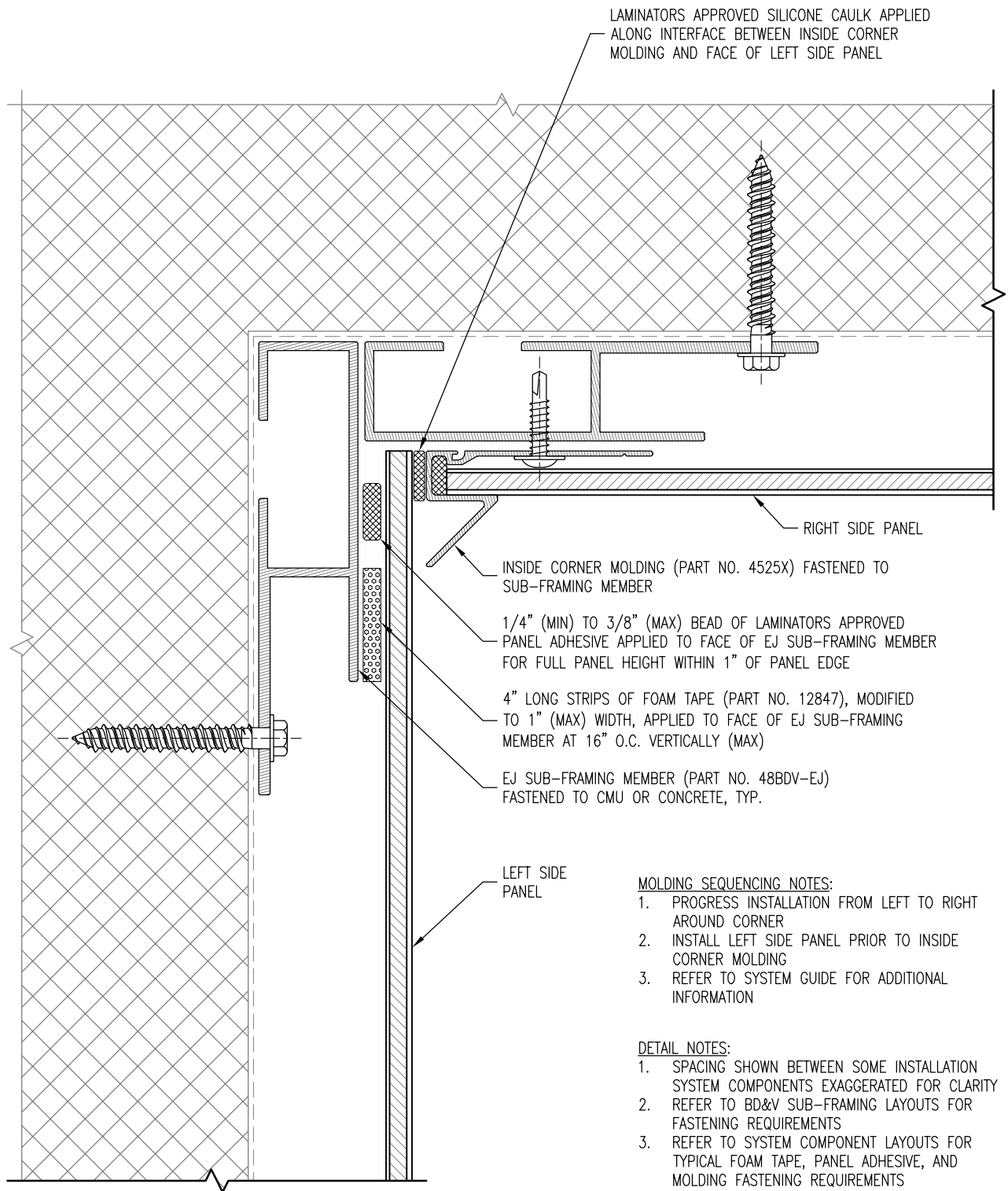
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OUTSIDE CORNER DETAIL (FABRICATED OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-6.2	Rev: 00
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LAMINATORS APPROVED SILICONE CAULK APPLIED ALONG INTERFACE BETWEEN INSIDE CORNER MOLDING AND FACE OF LEFT SIDE PANEL

RIGHT SIDE PANEL

INSIDE CORNER MOLDING (PART NO. 4525X) FASTENED TO SUB-FRAMING MEMBER

1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL ADHESIVE APPLIED TO FACE OF EJ SUB-FRAMING MEMBER FOR FULL PANEL HEIGHT WITHIN 1" OF PANEL EDGE

4" LONG STRIPS OF FOAM TAPE (PART NO. 12847), MODIFIED TO 1" (MAX) WIDTH, APPLIED TO FACE OF EJ SUB-FRAMING MEMBER AT 16" O.C. VERTICALLY (MAX)

EJ SUB-FRAMING MEMBER (PART NO. 48BDV-EJ) FASTENED TO CMU OR CONCRETE, TYP.

LEFT SIDE PANEL

MOLDING SEQUENCING NOTES:

1. PROGRESS INSTALLATION FROM LEFT TO RIGHT AROUND CORNER
2. INSTALL LEFT SIDE PANEL PRIOR TO INSIDE CORNER MOLDING
3. REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

PLAN SECTION



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INSIDE CORNER DETAIL (MOLDING OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

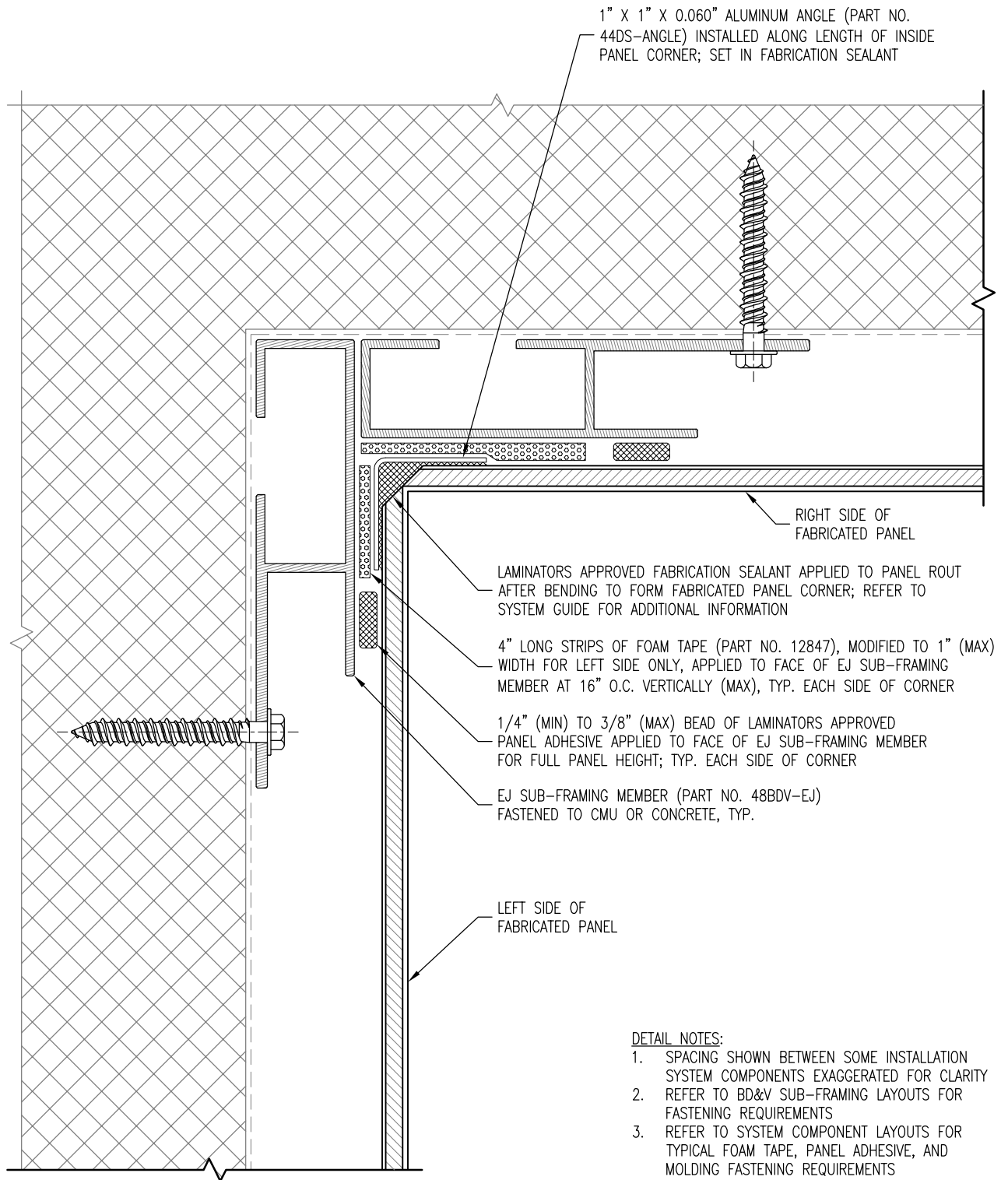
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
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Rev:
00



1" X 1" X 0.060" ALUMINUM ANGLE (PART NO. 44DS-ANGLE) INSTALLED ALONG LENGTH OF INSIDE PANEL CORNER; SET IN FABRICATION SEALANT

RIGHT SIDE OF FABRICATED PANEL

LAMINATORS APPROVED FABRICATION SEALANT APPLIED TO PANEL ROUT AFTER BENDING TO FORM FABRICATED PANEL CORNER; REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION

4" LONG STRIPS OF FOAM TAPE (PART NO. 12847), MODIFIED TO 1" (MAX) WIDTH FOR LEFT SIDE ONLY, APPLIED TO FACE OF EJ SUB-FRAMING MEMBER AT 16" O.C. VERTICALLY (MAX), TYP. EACH SIDE OF CORNER

1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL ADHESIVE APPLIED TO FACE OF EJ SUB-FRAMING MEMBER FOR FULL PANEL HEIGHT; TYP. EACH SIDE OF CORNER

EJ SUB-FRAMING MEMBER (PART NO. 48BDV-EJ) FASTENED TO CMU OR CONCRETE, TYP.

LEFT SIDE OF FABRICATED PANEL

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

PLAN SECTION



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INSIDE CORNER DETAIL (FABRICATED OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

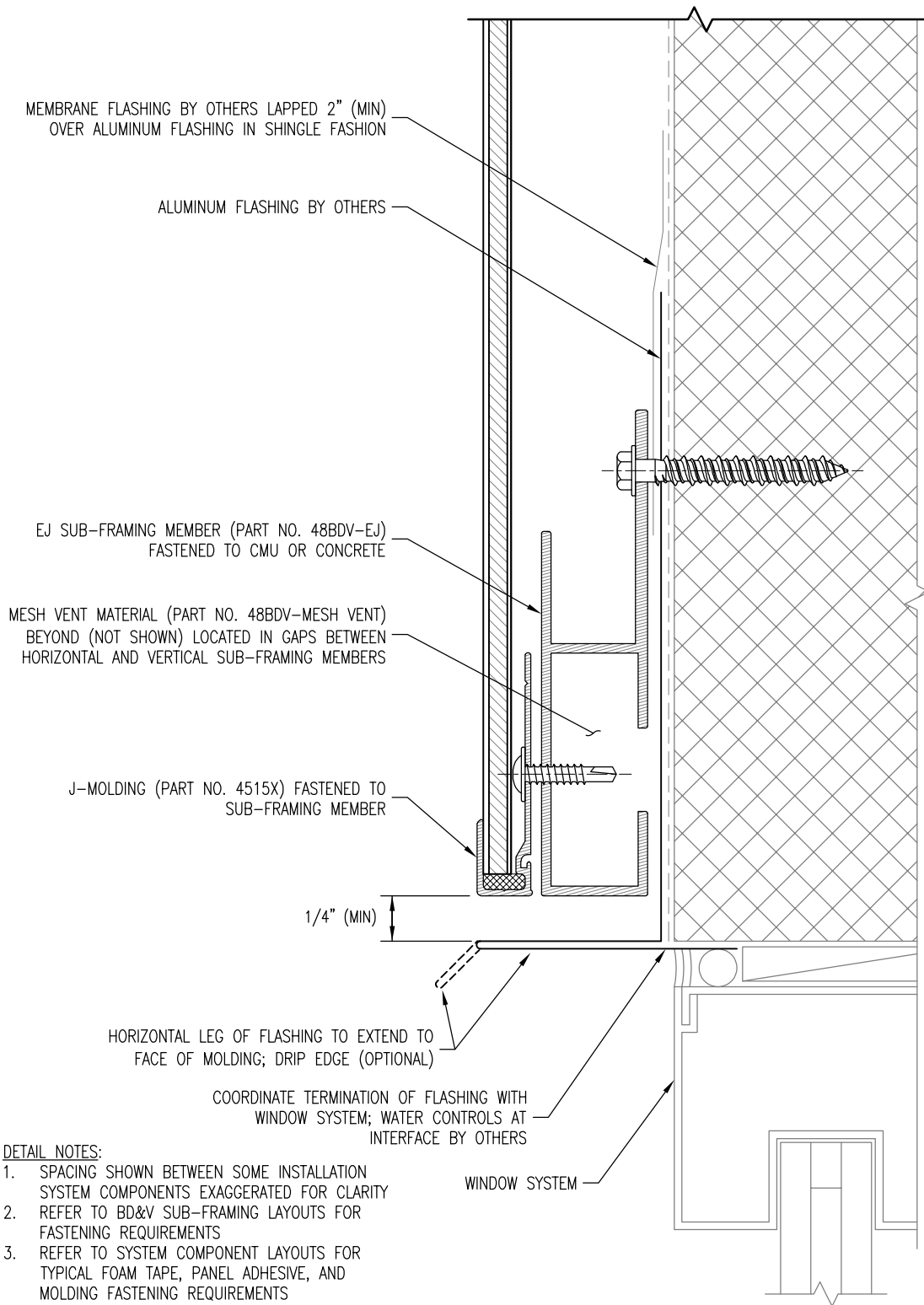
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-7.2

Rev:
00



DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

NOTE: THIS DETAIL IS NOT TO BE USED IN NFPA 285 ZONE

SECTION



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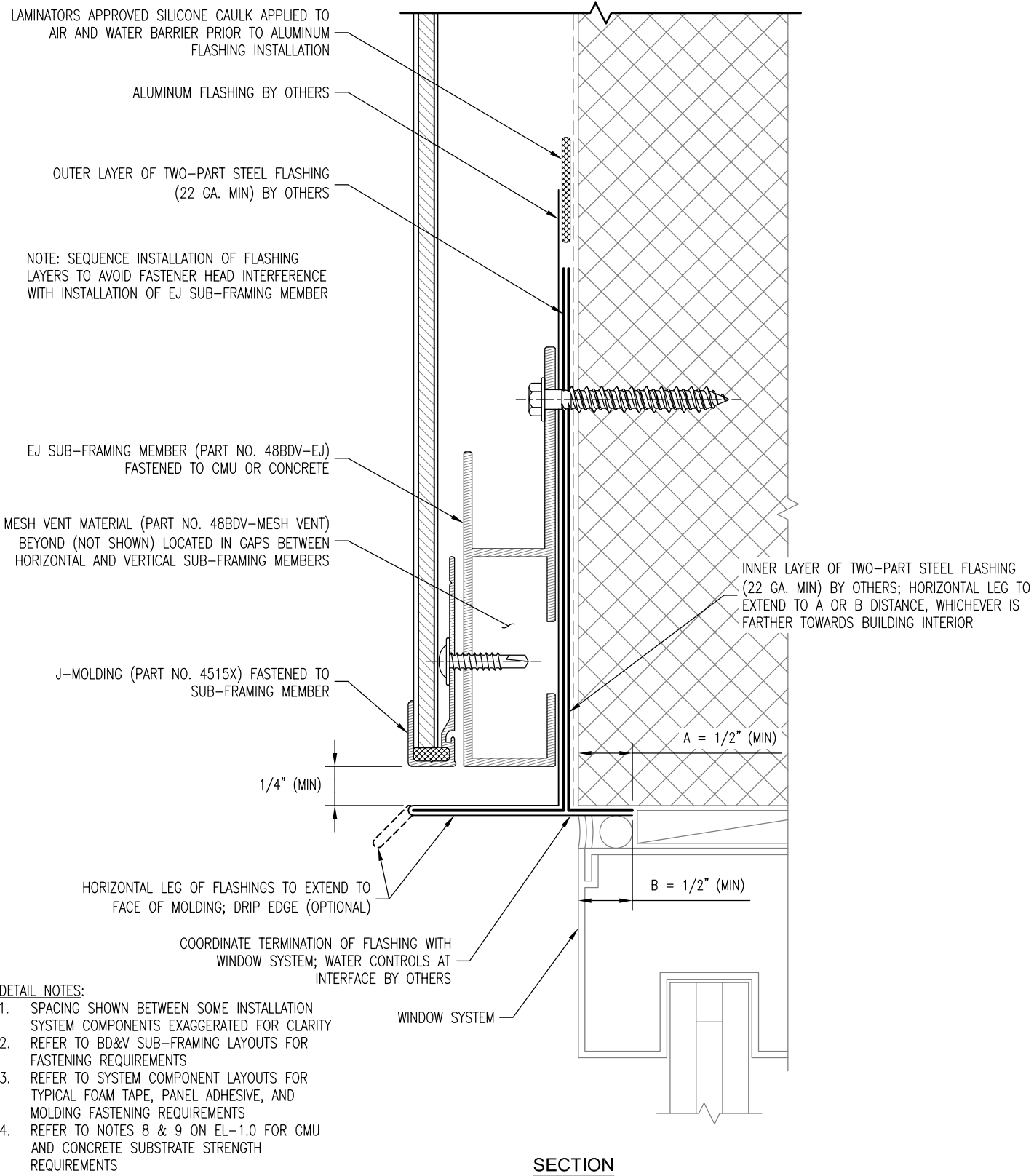
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WINDOW HEAD DETAIL

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-8.1	Rev: 00
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DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

SECTION



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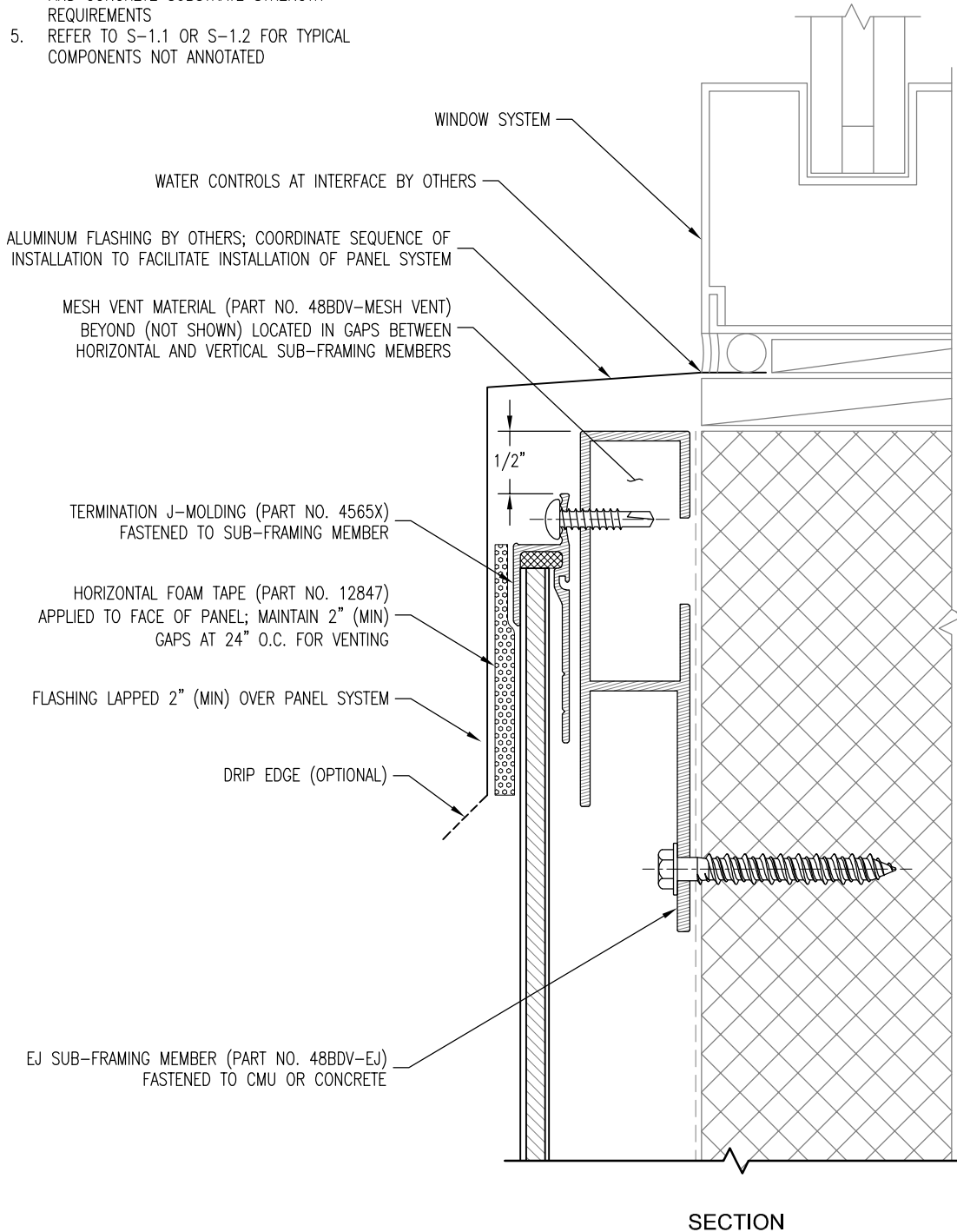
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WINDOW HEAD DETAIL (NFPA 285 ZONE)
1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-8.2	Rev: 00
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DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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WINDOW SILL DETAIL

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
5/8/2020

Drawn By:
JJM

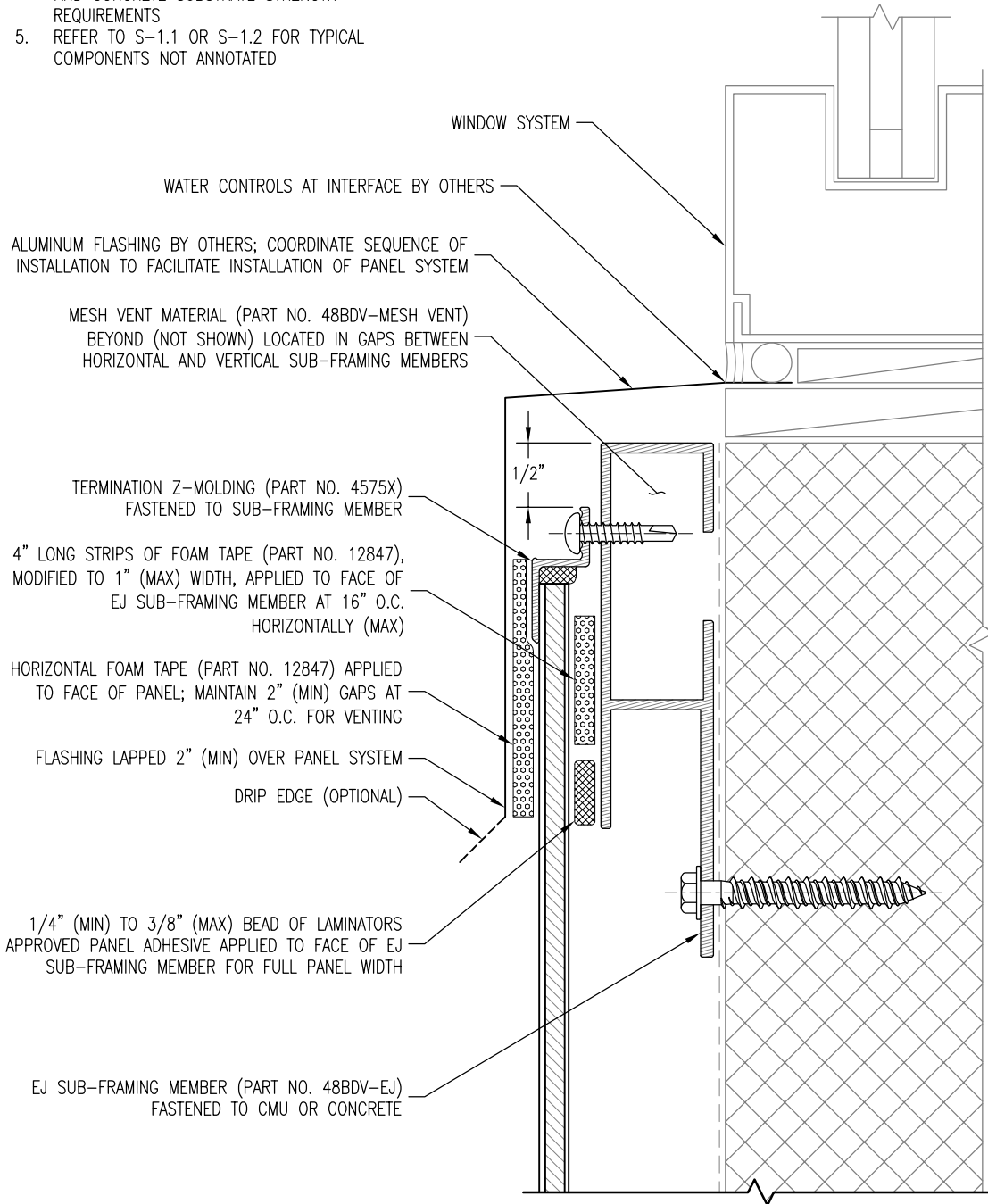
Detail Set:
1P-BDV-CMU

Dwg. No.:
S-9.1

Rev:
00

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



SECTION



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WINDOW SILL DETAIL w/ TERMINATION Z-MOLDING

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

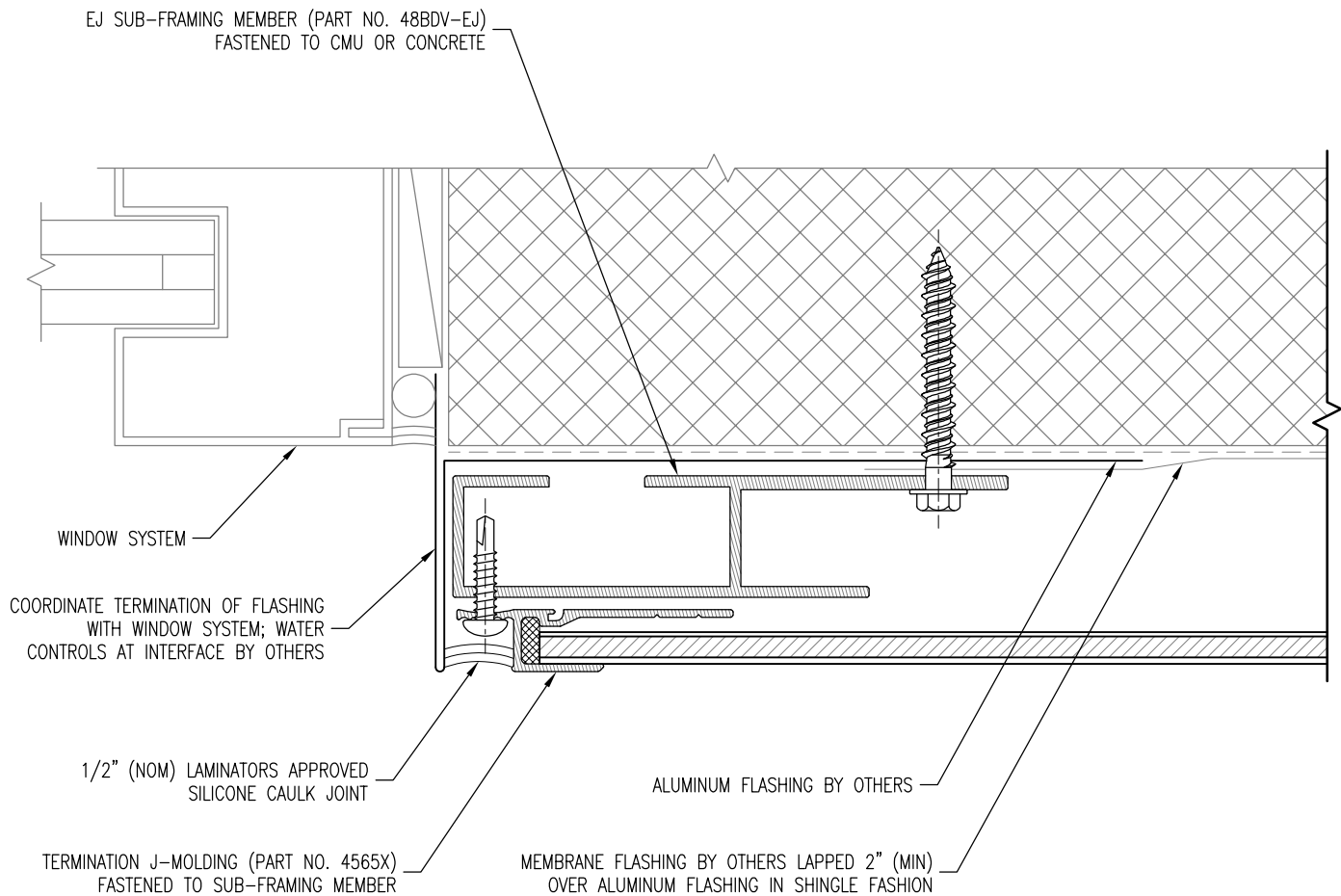
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-9.2

Rev:
00



PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



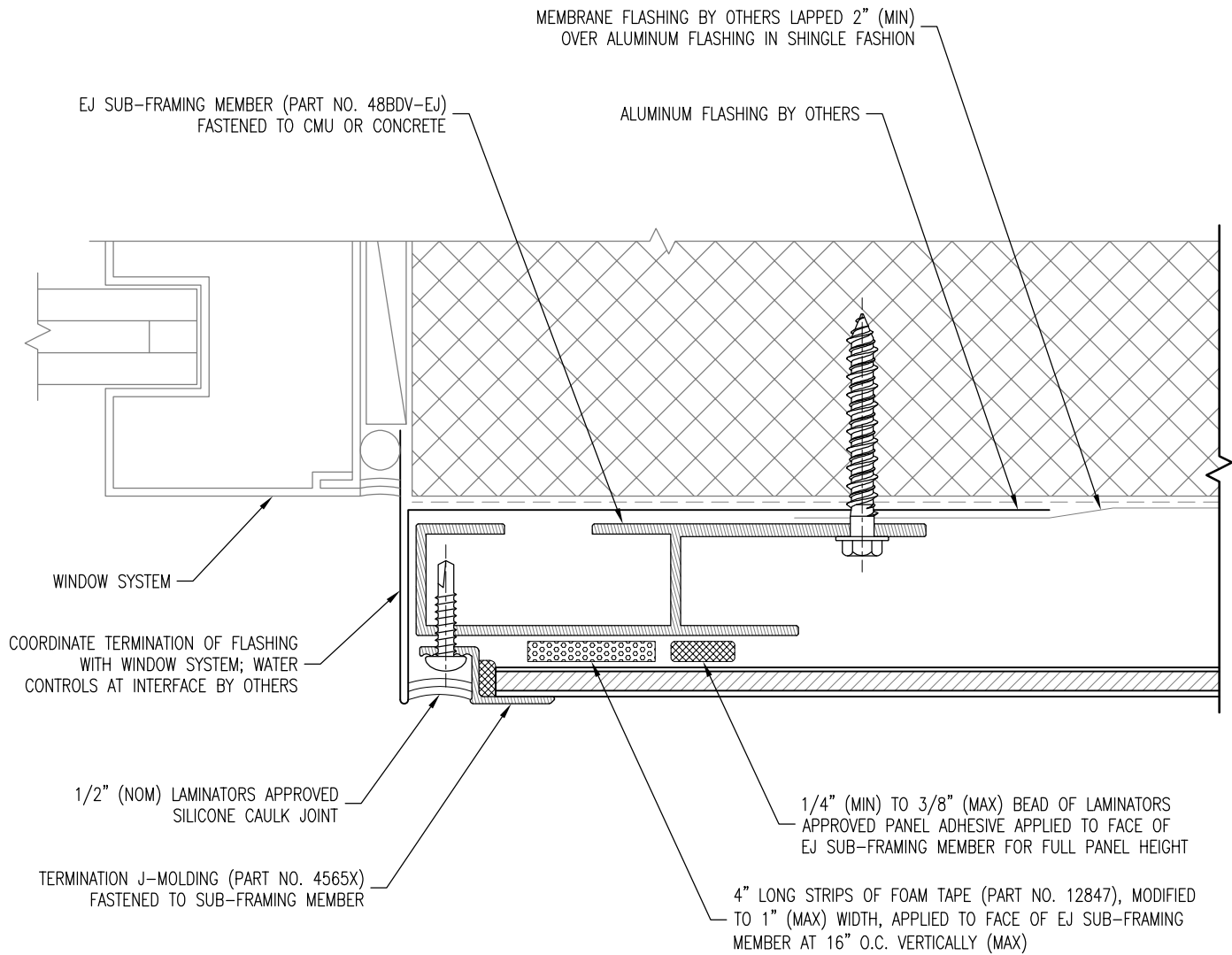
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WINDOW JAMB DETAIL

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-10.1	Rev: 00
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MEMBRANE FLASHING BY OTHERS LAPPED 2" (MIN)
OVER ALUMINUM FLASHING IN SHINGLE FASHION

EJ SUB-FRAMING MEMBER (PART NO. 48BDV-EJ)
FASTENED TO CMU OR CONCRETE

ALUMINUM FLASHING BY OTHERS

WINDOW SYSTEM

COORDINATE TERMINATION OF FLASHING
WITH WINDOW SYSTEM; WATER
CONTROLS AT INTERFACE BY OTHERS

1/2" (NOM) LAMINATORS APPROVED
SILICONE CAULK JOINT

TERMINATION J-MOLDING (PART NO. 4565X)
FASTENED TO SUB-FRAMING MEMBER

1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS
APPROVED PANEL ADHESIVE APPLIED TO FACE OF
EJ SUB-FRAMING MEMBER FOR FULL PANEL HEIGHT

4" LONG STRIPS OF FOAM TAPE (PART NO. 12847), MODIFIED
TO 1" (MAX) WIDTH, APPLIED TO FACE OF EJ SUB-FRAMING
MEMBER AT 16" O.C. VERTICALLY (MAX)

PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



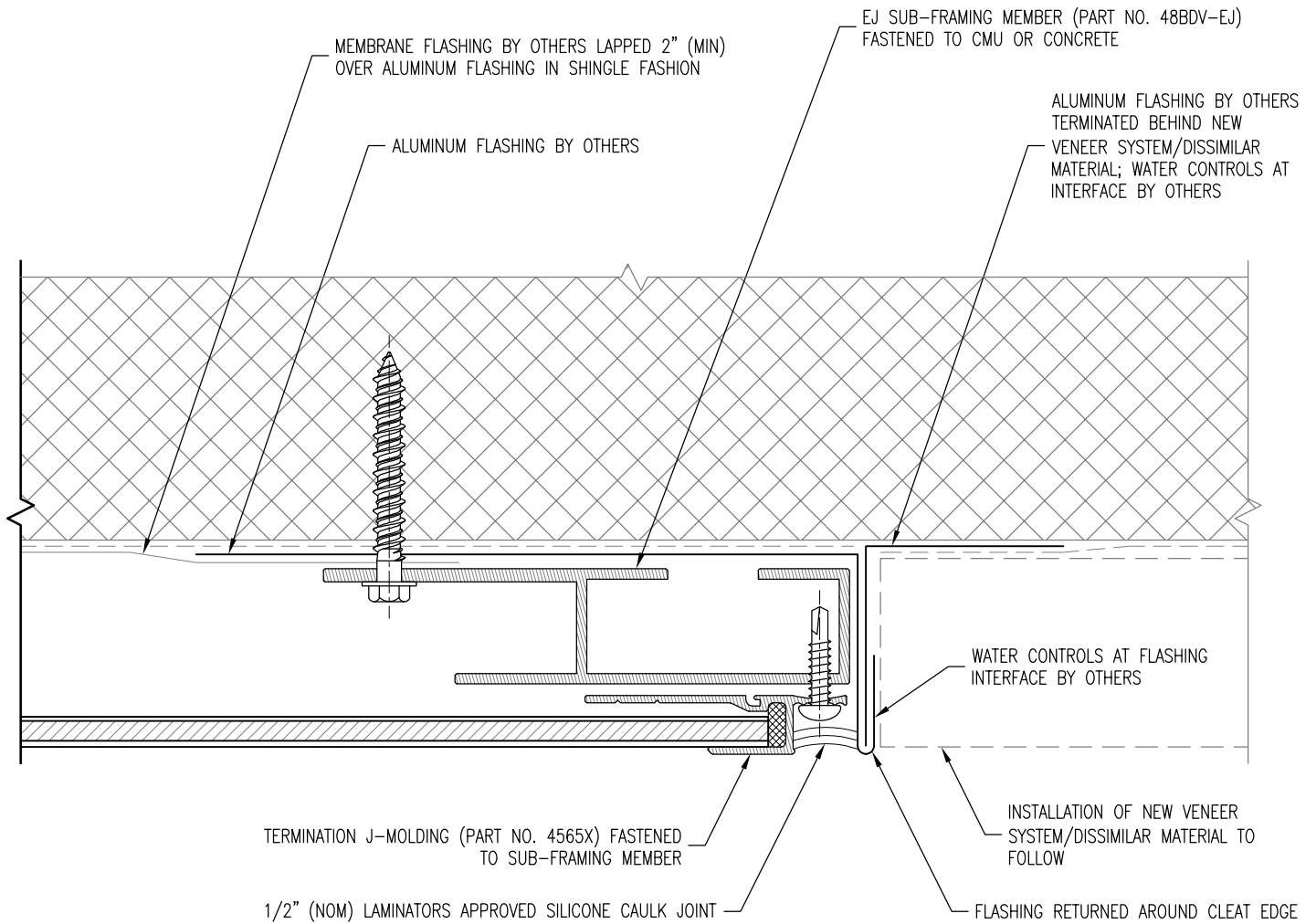
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WINDOW JAMB DETAIL w/ TERM Z-MOLDING
1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-10.2	Rev: 00
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PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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RIGHT VERTICAL EDGE DETAIL (ADJACENT TO NEW)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

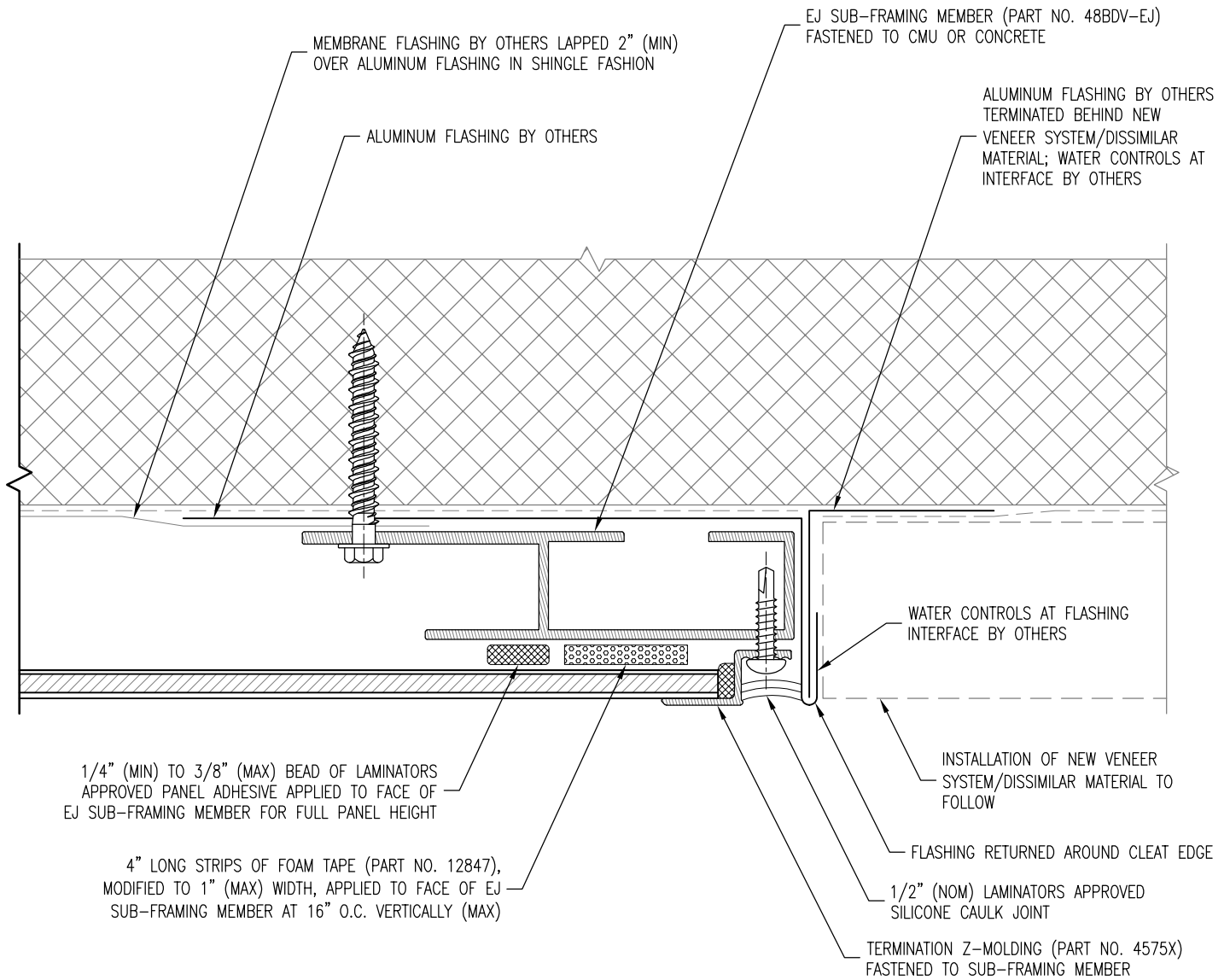
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-11.1

Rev:
00



PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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RIGHT VERTICAL EDGE DETAIL w/ TERM Z (ADJ. TO NEW)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

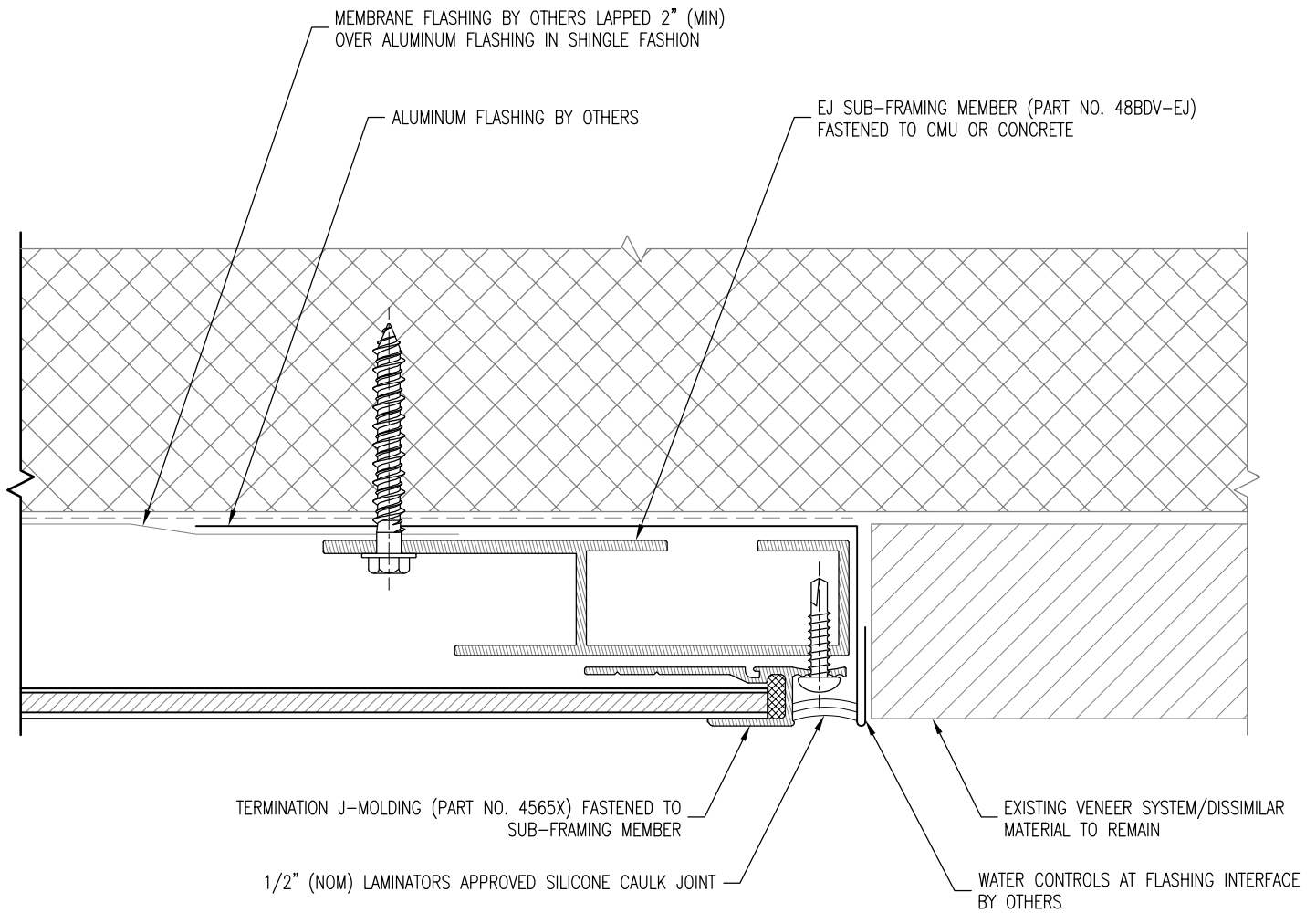
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-11.2

Rev:
00



PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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RIGHT VERTICAL EDGE DETAIL (ADJACENT TO EXISTING)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

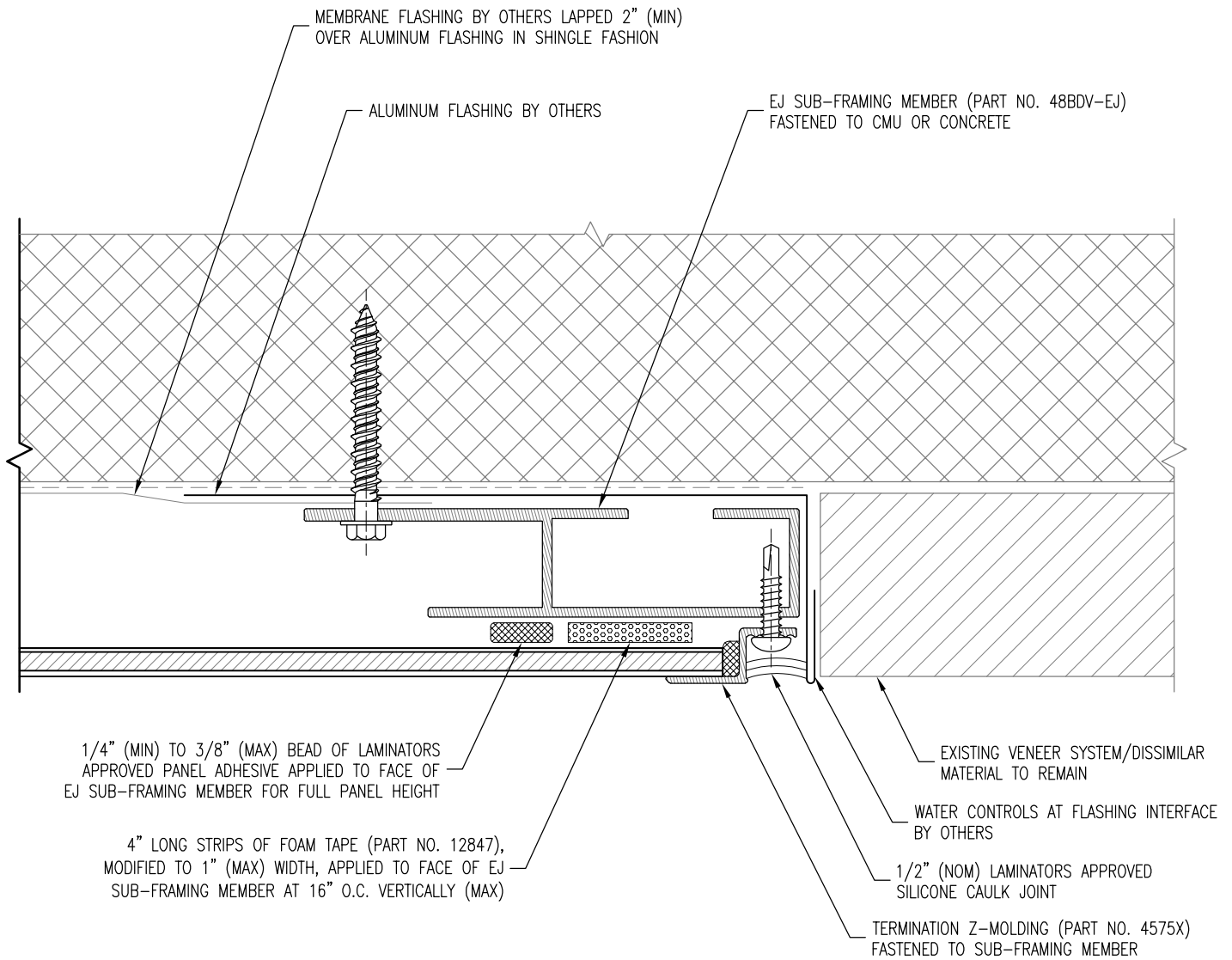
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-11.3

Rev:
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PLAN SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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RIGHT VERTICAL EDGE DETAIL w/ TERM Z (ADJ. TO EXISTING)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

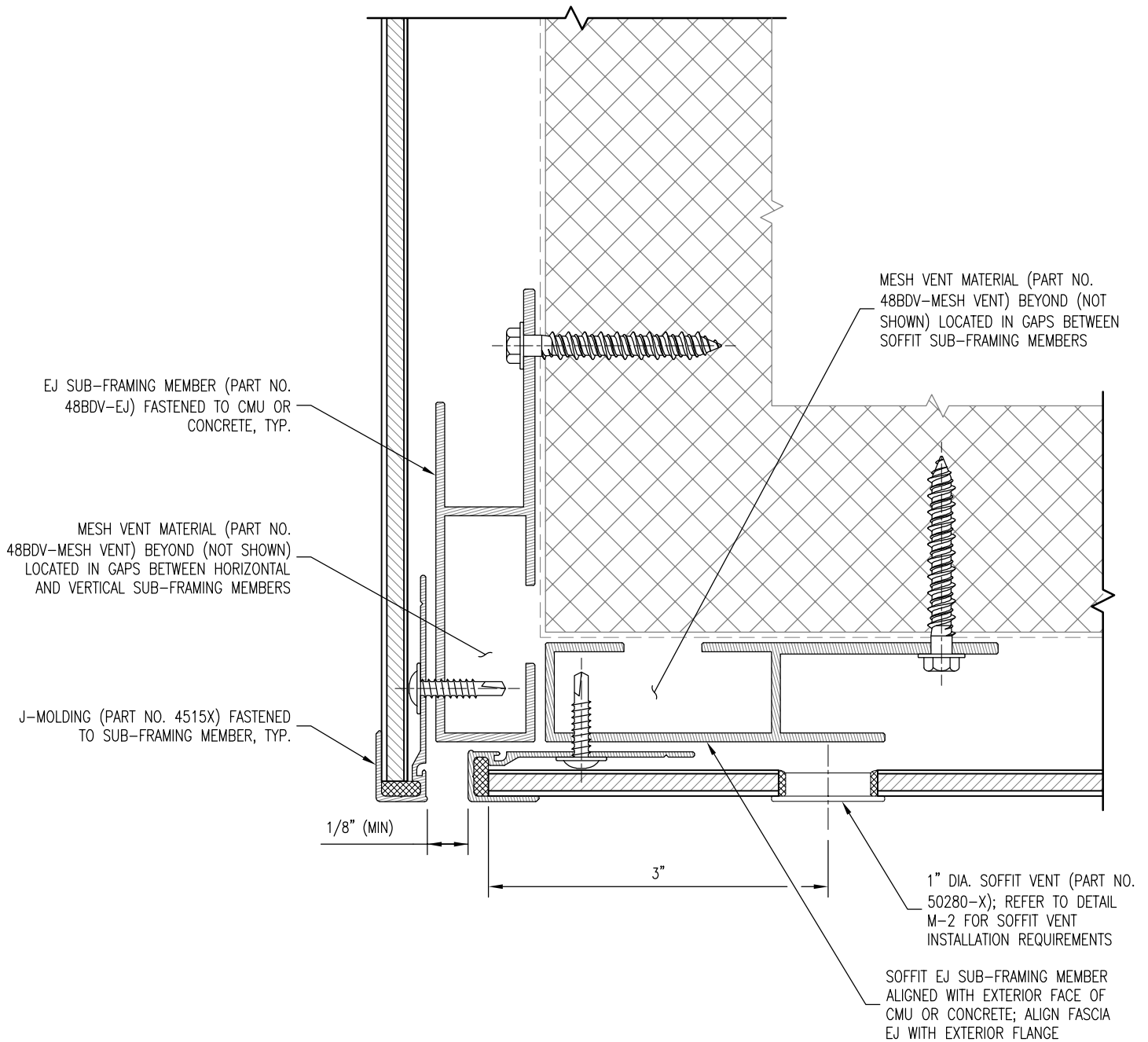
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-11.4

Rev:
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SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

MOLDING SEQUENCING NOTES:

1. BEGIN INSTALLATION AT TRANSITION
2. FASCIA INSTALLATION PROCEEDS UPWARD
3. SOFFIT INSTALLATION PROCEEDS TO THE RIGHT
4. REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION



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FASCIA-TO-SOFFIT TRANSITION DETAIL (MOLDING OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-12.1

Rev:
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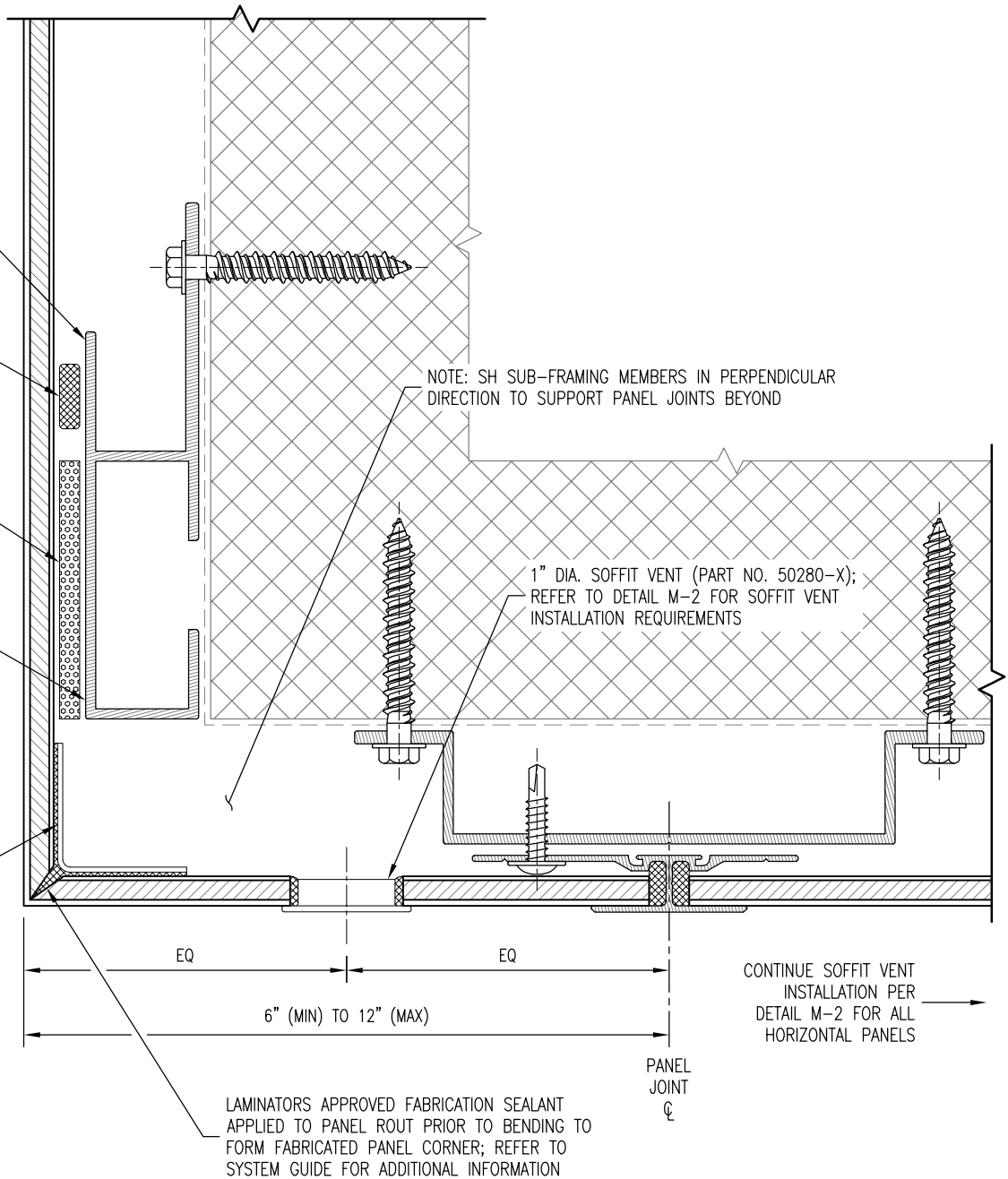
EJ SUB-FRAMING MEMBER
(PART NO. 48BDV-EJ) FASTENED
TO CMU OR CONCRETE

1/4" (MIN) TO 3/8" (MAX)
BEAD OF LAMINATORS
APPROVED PANEL ADHESIVE
APPLIED TO FACE OF EJ
SUB-FRAMING MEMBER FOR
FULL PANEL WIDTH

4" LONG STRIPS OF FOAM
TAPE (PART NO. 12847)
APPLIED TO FACE OF EJ
SUB-FRAMING MEMBER AT
16" O.C. HORIZONTALLY (MAX)

EJ SUB-FRAMING MEMBER
ALIGNED WITH EXTERIOR FACE
OF CMU OR CONCRETE

1" X 1" X 0.060" ALUMINUM
ANGLE (PART NO. 44DS-ANGLE)
INSTALLED ALONG LENGTH OF
OUTSIDE PANEL CORNER; SET
IN FABRICATION SEALANT



DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

SECTION



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FASCIA-TO-SOFFIT TRANSITION DETAIL (FABRICATED OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

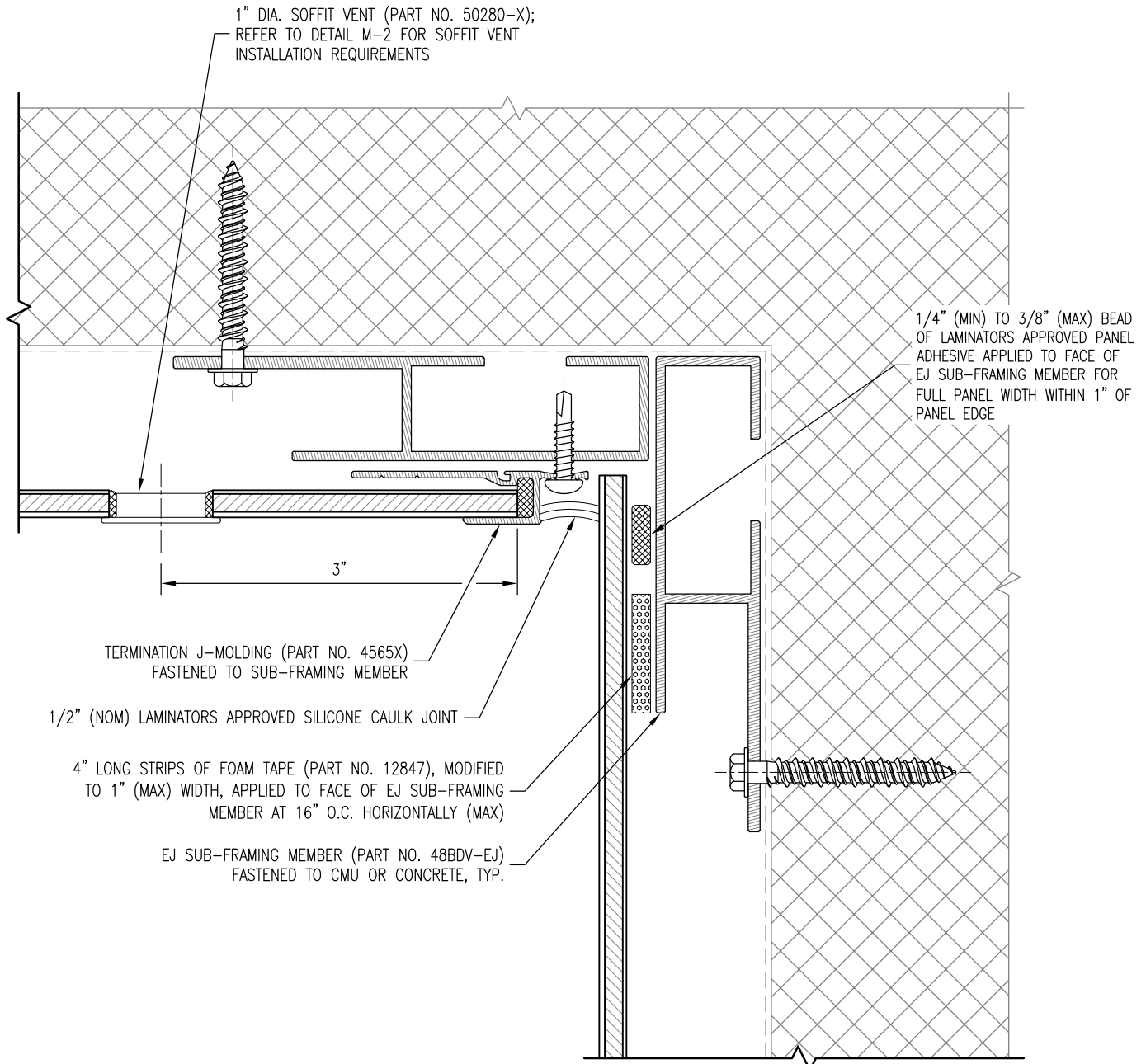
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-12.2

Rev:
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SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

MOLDING SEQUENCING NOTES:

1. COMPLETE INSTALLATION OF WALL PANEL PRIOR TO ADJACENT SOFFIT PANEL
2. REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION



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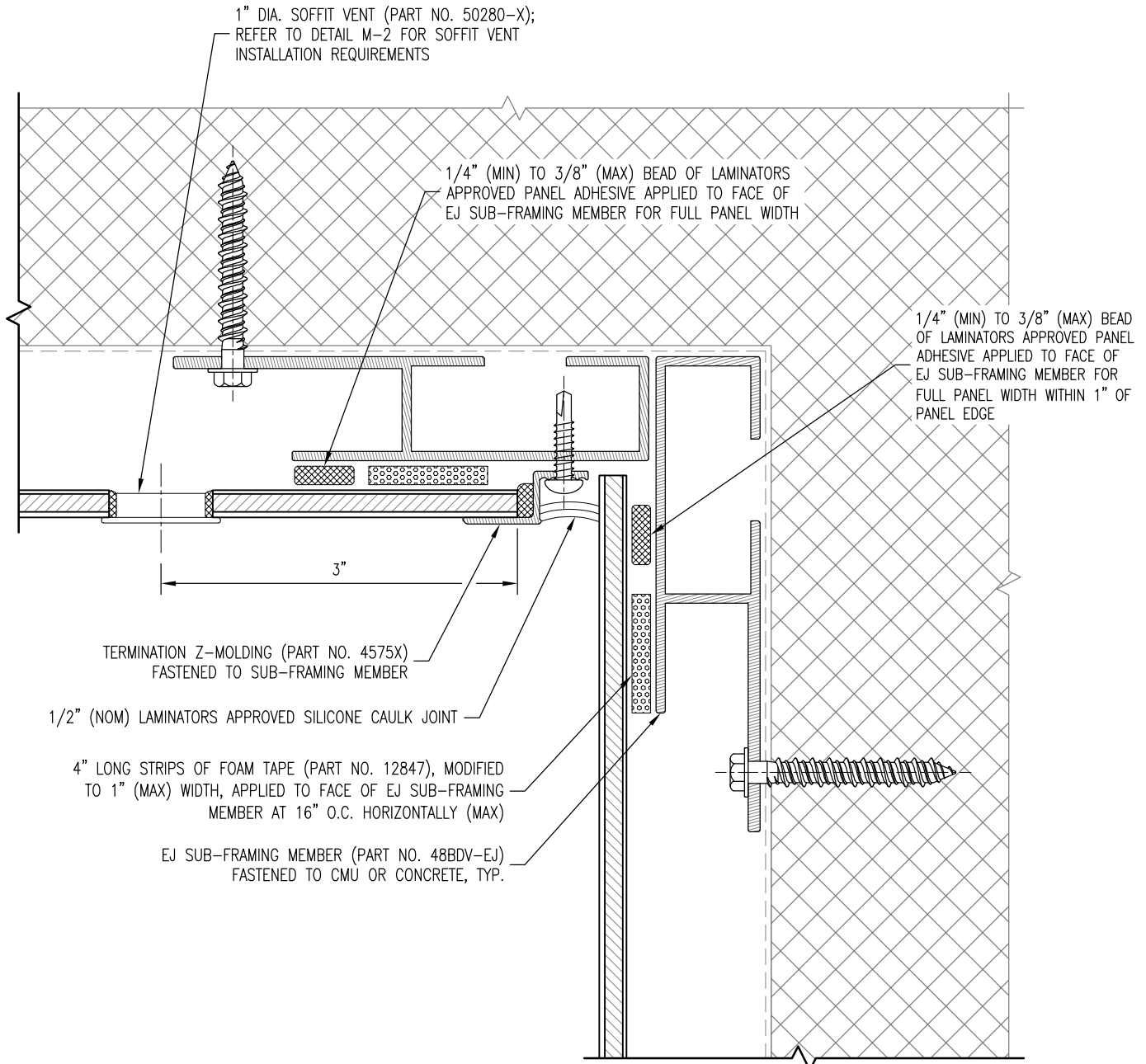
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SOFFIT-TO-WALL TRANSITION DETAIL (MOLDING OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-13.1	Rev: 00
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SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED

MOLDING SEQUENCING NOTES:

1. COMPLETE INSTALLATION OF WALL PANEL PRIOR TO ADJACENT SOFFIT PANEL
2. REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION



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SOFFIT-TO-WALL TRANSITION DETAIL (TERM Z-MOLDING)

**1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE**

Date: 5/8/2020	Drawn By: JJM	Detail Set: 1P-BDV-CMU	Dwg. No.: S-13.2	Rev: 00
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1" DIA. SOFFIT VENT (PART NO. 50280-X);
REFER TO DETAIL M-2 FOR SOFFIT VENT
INSTALLATION REQUIREMENTS

1" X 1" X 0.060" ALUMINUM ANGLE (PART NO.
44DS-ANGLE) INSTALLED ALONG LENGTH OF INSIDE
PANEL CORNER; SET IN FABRICATION SEALANT

LAMINATORS APPROVED FABRICATION SEALANT APPLIED TO PANEL
ROUT AFTER BENDING TO FORM FABRICATED PANEL CORNER;
REFER TO SYSTEM GUIDE FOR ADDITIONAL INFORMATION

4" LONG STRIPS OF FOAM TAPE (PART NO. 12847), MODIFIED TO 1" (MAX)
WIDTH FOR WALL SIDE ONLY, APPLIED TO FACE OF EJ SUB-FRAMING
MEMBER AT 16" O.C. VERTICALLY (MAX), TYP. EACH SIDE OF TRANSITION

1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL
ADHESIVE APPLIED TO FACE OF EJ SUB-FRAMING MEMBER FOR
FULL PANEL WIDTH; TYP. EACH SIDE OF TRANSITION

EJ SUB-FRAMING MEMBER (PART NO. 48BDV-EJ)
FASTENED TO CMU OR CONCRETE, TYP.

SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO BD&V SUB-FRAMING LAYOUTS FOR FASTENING REQUIREMENTS
3. REFER TO SYSTEM COMPONENT LAYOUTS FOR TYPICAL FOAM TAPE, PANEL ADHESIVE, AND MOLDING FASTENING REQUIREMENTS
4. REFER TO NOTES 8 & 9 ON EL-1.0 FOR CMU AND CONCRETE SUBSTRATE STRENGTH REQUIREMENTS
5. REFER TO S-1.1 OR S-1.2 FOR TYPICAL COMPONENTS NOT ANNOTATED



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SOFFIT-TO-WALL TRANSITION DETAIL (FABRICATED OPTION)

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

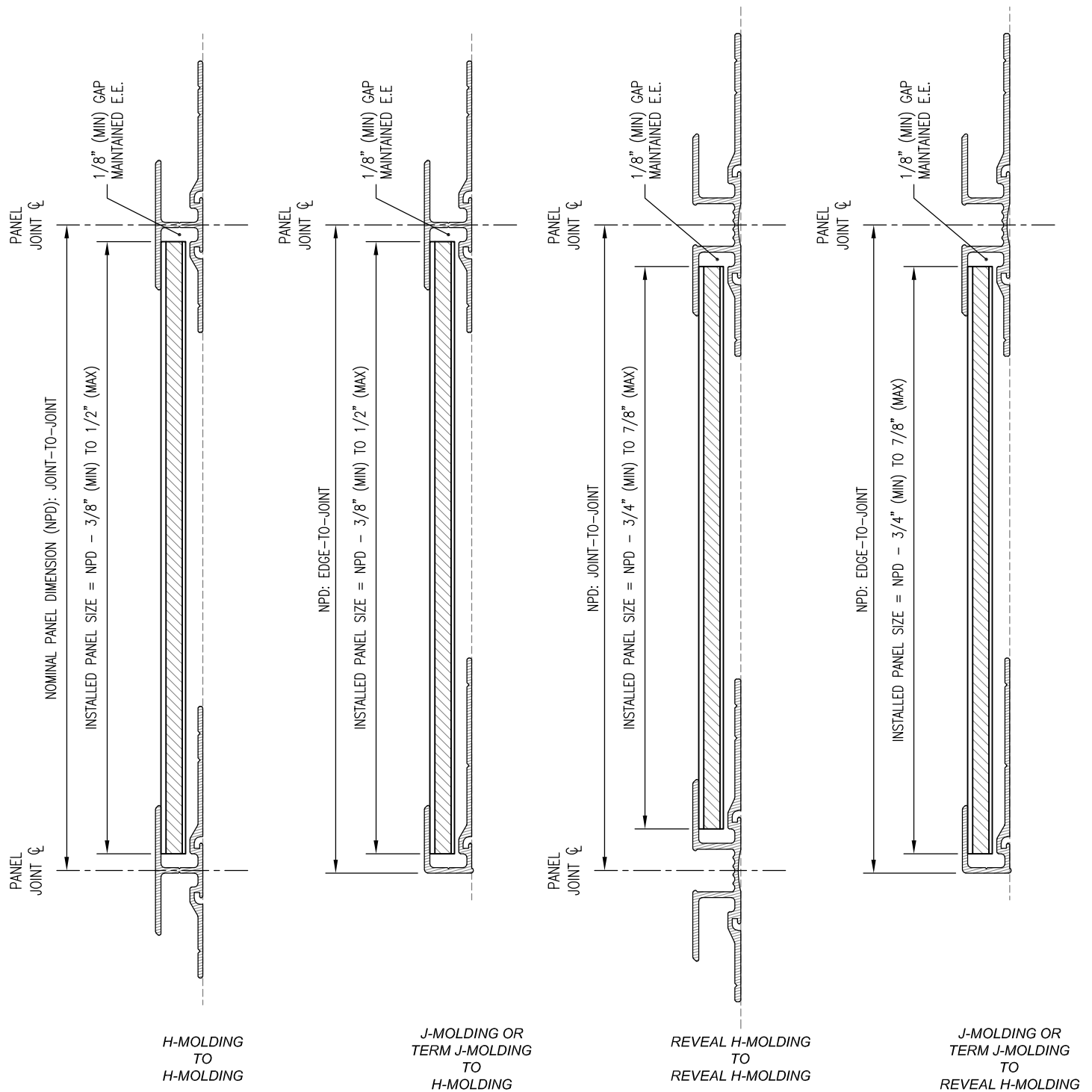
Date:
5/8/2020

Drawn By:
JJM

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1P-BDV-CMU

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S-13.3

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DETAIL NOTES:

1. PANEL SIZING GUIDELINES ASSUME TYPICAL INSTALLATION CONDITIONS WITH A TEMPERATURE CHANGE OF UP TO $\pm 100^{\circ}\text{F}$ AT THE SURFACE OF ALUMINUM
2. CONTACT LAMINATORS TECHNICAL SUPPORT FOR PANEL SIZING RECOMMENDATIONS RELATED TO PROJECT-SPECIFIC COLD OR HOT WEATHER INSTALLATIONS
3. SILICONE CAULK NOT SHOWN IN MOLDINGS FOR CLARITY



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PANEL SIZING GUIDELINES

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
M-1

Rev:
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STEP 1: DRILL 7/8" DIA. HOLE IN PANEL

SUBSTRATE SIDE

7/8"

STEP 2: EDGE SEAL THE PERIMETER OF THE HOLE USING LAMINATORS APPROVED SILICONE CAULK OR FABRICATION SEALANT PRIOR TO INSERTING THE VENT (CAULK/SEALANT MUST BE PUSHED INTO THE FLUTES OF THE PANEL CORE)



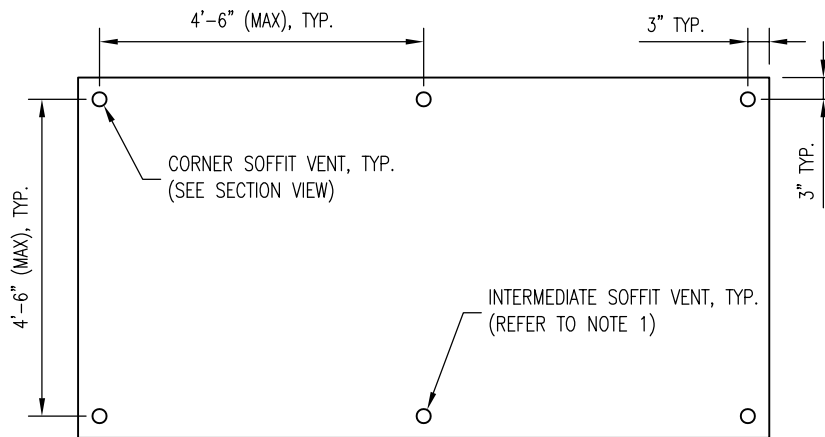
STEP 3: INSTALL BEAD OF LAMINATORS APPROVED SILICONE CAULK OR FABRICATION SEALANT AROUND THE FLANGE OF THE VENT PRIOR TO INSERTING INTO THE HOLE

6mm OMEGA-LITE PANEL, TYP.

STEP 4: INSERT THE VENT INTO THE HOLE WITH A SLIGHT TWISTING MOTION FOR COMPLETE COVERAGE OF THE CAULK/SEALANT AND ADHESION TO BOTH THE PANEL AND THE VENT

1" FACE DIA. (3/4" INSERT DIA.)
SOFFIT VENT (PART NO. 50280-X)

SECTION



OMEGA-LITE SOFFIT PANEL

DETAIL NOTES:

1. FOR PANEL EDGE DIMENSIONS LARGER THAN 5'-0", INTERMEDIATE VENTS SHALL BE INSTALLED WITH EQUAL SPACING
2. FOR PANEL EDGE DIMENSIONS 12" AND SMALLER, A SINGLE ROW OF VENTS MAY BE INSTALLED ALONG THE CENTERLINE OF THE PANEL IN THE LONGER DIRECTION (IN PLACE OF TWO ROWS AS SHOWN ABOVE)
3. CONTACT LAMINATORS TECHNICAL SUPPORT FOR ADDITIONAL INFORMATION ON REQUIRED SOFFIT VENT INSTALLATION FOR UNIQUE PROJECT-SPECIFIC PANEL GEOMETRIES



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SOFFIT VENT INSTALLATION REQUIREMENTS

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

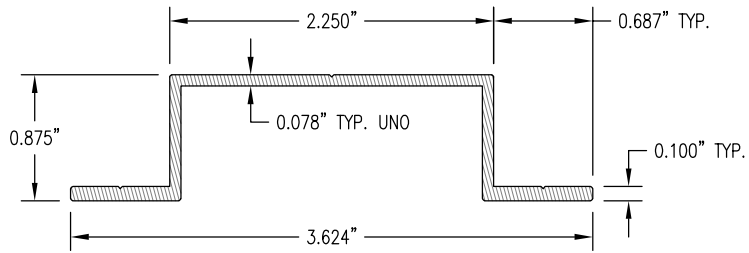
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5/8/2020

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JJM

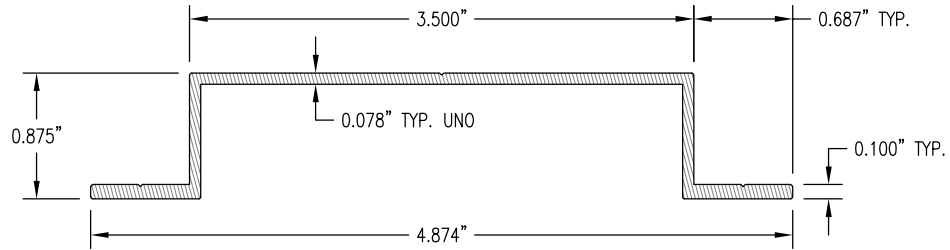
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1P-BDV-CMU

Dwg. No.:
M-2

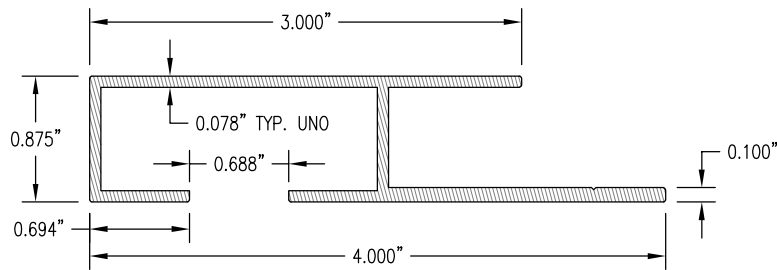
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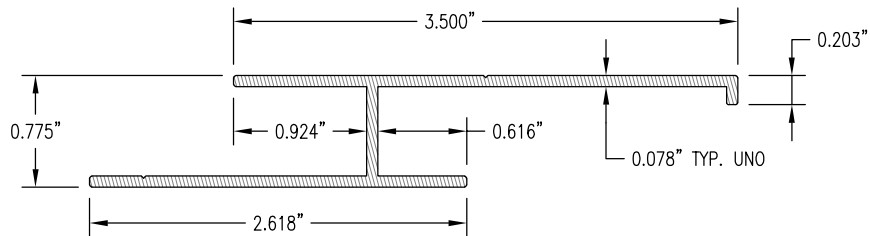
AH SUB-FRAMING MEMBER
PART NO. 48BDV-AH



SH SUB-FRAMING MEMBER
PART NO. 48BDV-SH



EJ SUB-FRAMING MEMBER
PART NO. 48BDV-EJ



FV SUB-FRAMING MEMBER
PART NO. 48BDV-FV



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BD&V SUB-FRAMING MEMBER PROFILES

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

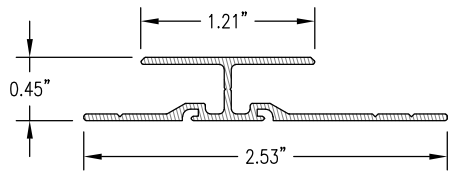
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3/18/2022

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JJM

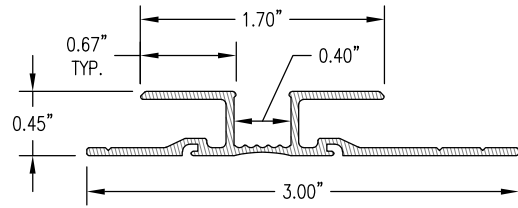
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1P-BDV-CMU

Dwg. No.:
M-3

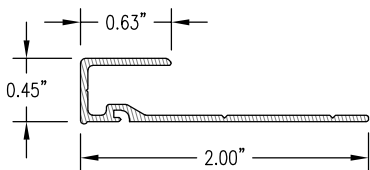
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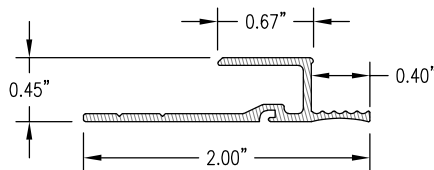
H-MOLDING
PART NO. 4505X



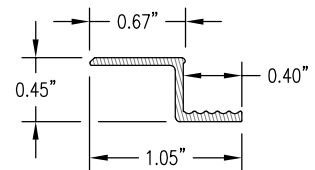
REVEAL H-MOLDING
PART NO. 4595X



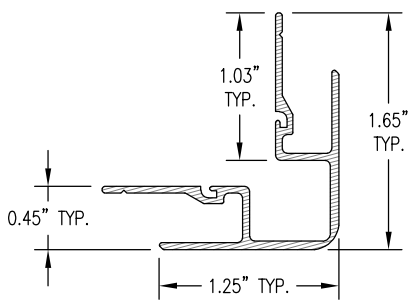
J-MOLDING
PART NO. 4515X



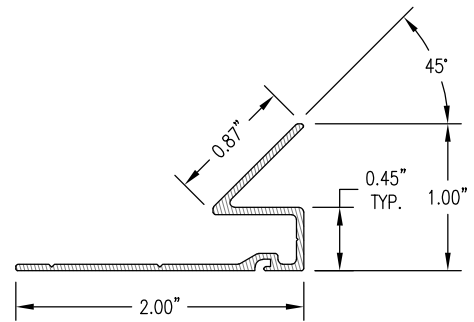
TERMINATION J-MOLDING
PART NO. 4565X



TERMINATION Z-MOLDING
PART NO. 4575X



OUTSIDE CORNER MOLDING
PART NO. 4535X



INSIDE CORNER MOLDING
PART NO. 4525X



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MOLDING PROFILES

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

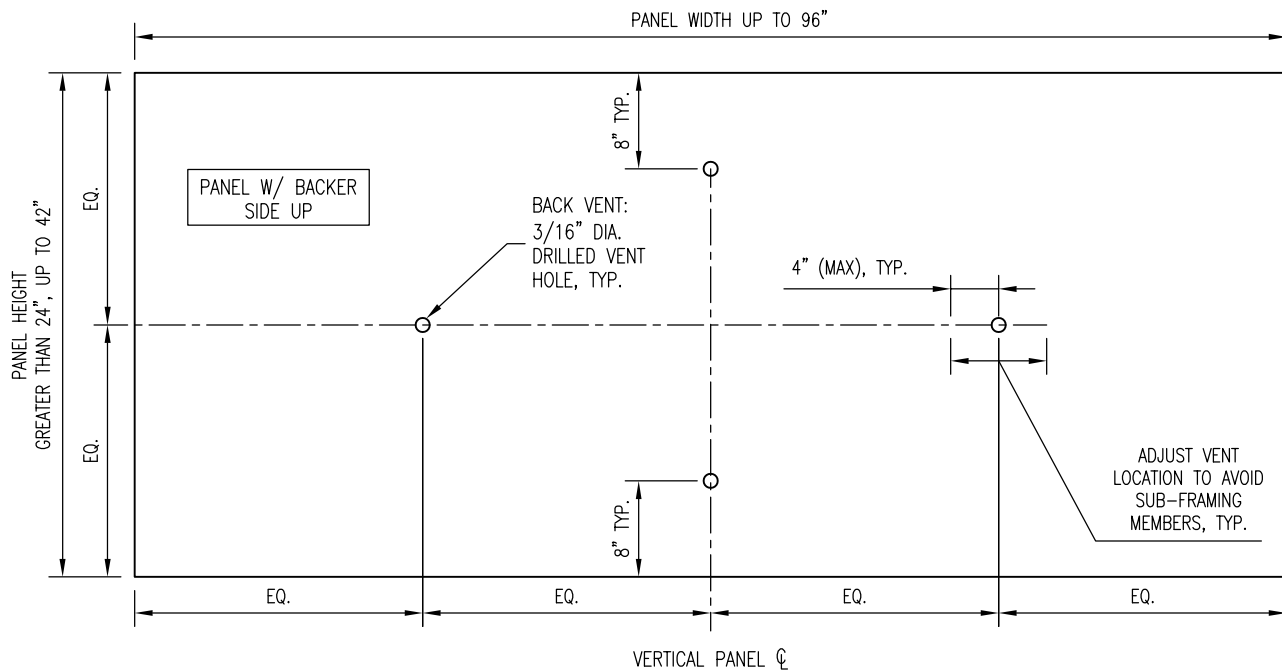
Date:
5/8/2020

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JJM

Detail Set:
1P-BDV-CMU

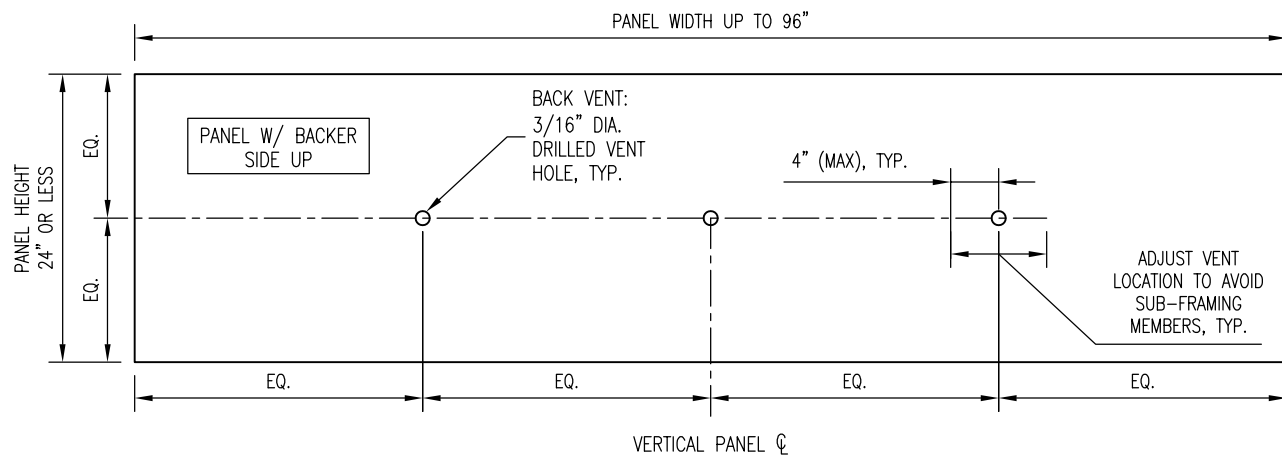
Dwg. No.:
M-4

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FOR PANEL WIDTHS GREATER THAN 96": (6) TOTAL BACK VENTS REQUIRED (1 ROW OF 4, 1 COLUMN OF 2)

- EQUALLY SPACE BACK VENTS ALONG PANEL WIDTH
- MAINTAIN (2) BACK VENTS AT VERTICAL PANEL CENTERLINE AS SHOWN; ADJUST VENT LOCATIONS (IF REQUIRED) TO AVOID SUB-FRAMING MEMBERS



FOR PANEL WIDTHS GREATER THAN 96": PROVIDE (5) TOTAL BACK VENTS (1 ROW OF 5)

- EQUALLY SPACE VENTS ALONG PANEL WIDTH
- MAINTAIN (1) BACK VENT AT VERTICAL PANEL CENTERLINE AS SHOWN; ADJUST VENT LOCATIONS (IF REQUIRED) TO AVOID SUB-FRAMING MEMBERS

DETAIL NOTES:

1. DRILL BACK VENTS USING 3/16" DIA. DRILL BIT
2. DEPTH OF DRILLED VENT NOT TO EXCEED 1/8"; DRILL BIT TO PENETRATE PANEL BACKER METAL AND EXTEND THROUGH OUTER CORE SKIN INTO PANEL FLUTES



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PANEL BACK VENTING REQUIREMENTS (NFPA 285) - 1 OF 2

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

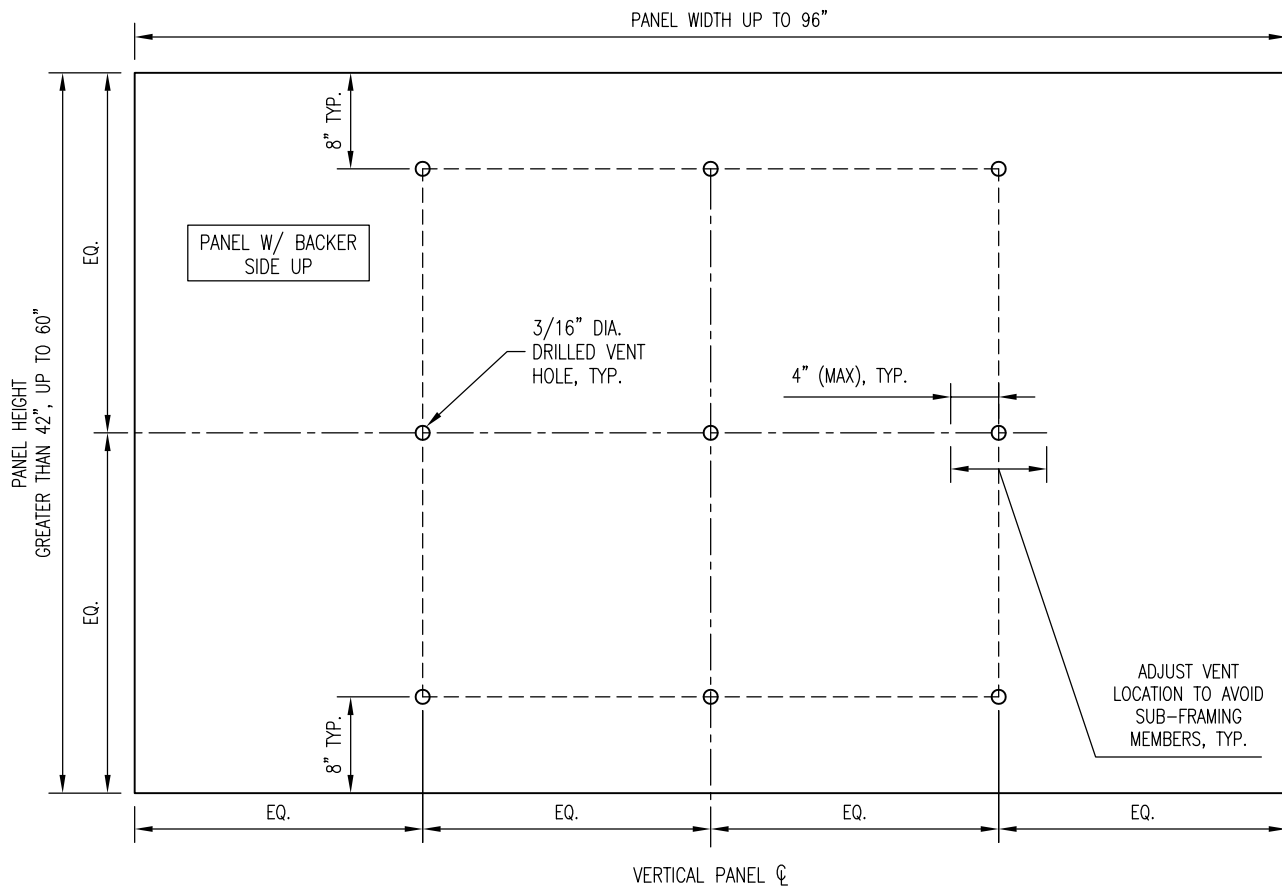
Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-5.1

Rev:
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FOR PANEL WIDTHS GREATER THAN 96": (15) TOTAL BACK VENTS REQUIRED (3 ROWS OF 5)

- EQUALLY SPACE BACK VENTS ALONG PANEL WIDTH
- MAINTAIN (3) BACK VENTS AT VERTICAL PANEL CENTERLINE AS SHOWN; ADJUST VENT LOCATIONS (IF REQUIRED) TO AVOID SUB-FRAMING MEMBERS

DETAIL NOTES:

1. DRILL BACK VENTS USING 3/16" DIA. DRILL BIT
2. DEPTH OF DRILLED VENT NOT TO EXCEED 1/8"; DRILL BIT TO PENETRATE PANEL BACKER METAL AND EXTEND THROUGH OUTER CORE SKIN INTO PANEL FLUTES



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PANEL BACK VENTING REQUIREMENTS (NFPA 285) - 2 OF 2

1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM
WITH BD&V SUB-FRAMING OVER CMU OR CONCRETE

Date:
5/8/2020

Drawn By:
JJM

Detail Set:
1P-BDV-CMU

Dwg. No.:
S-5.2

Rev:
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