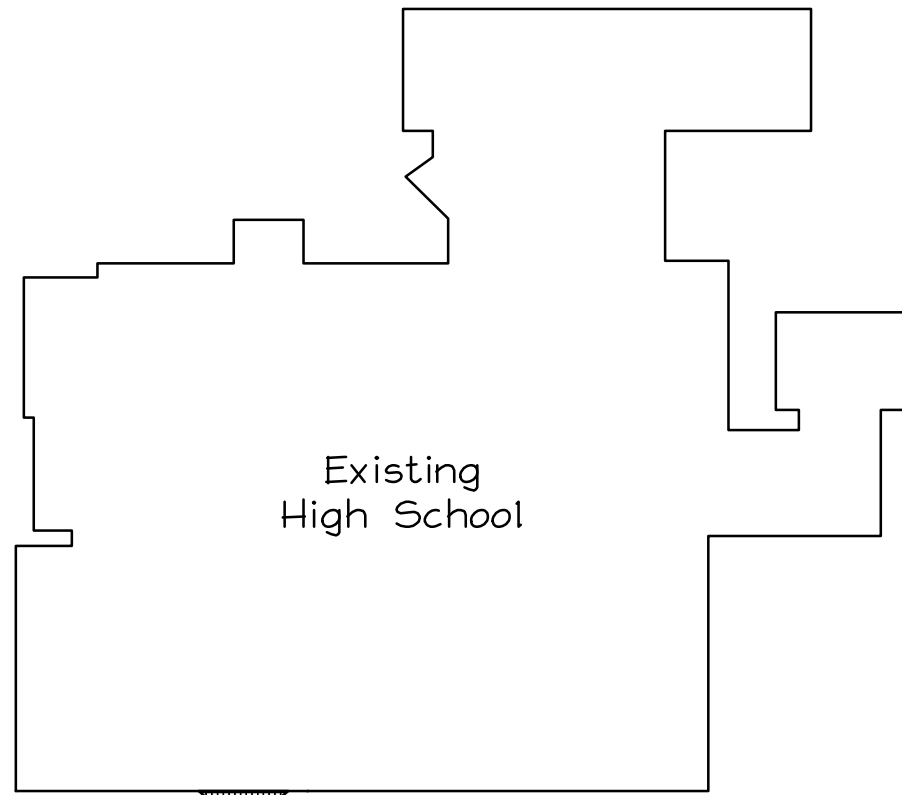


Shop Drawings, 08 6300 - Aluminum Framed & Glass Canopy System

James Madison Memorial High School, Madison, WI 53717



Existing
High School

New Canopy

Key Plan

Not to scale



<u>GENERAL CONTRACTOR:</u> Miron Construction Co. 1471 McMahon Dr. Neenah, WI 54956	<u>ARCHITECT:</u> Bill Montelbano, AIA 8 E. Hudson PO Box 123 Mazomanie, WI 53560	<u>OWNER:</u> MMSD 4711 Pflaum Rd. Madison, WI 53718
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PRODUCT DATA:

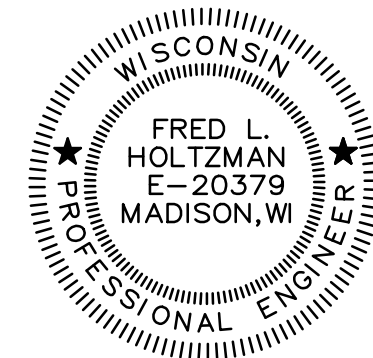
1. Glass: Monolithic $\frac{9}{16}$ " laminated, $\frac{1}{4}$ " clear heat strengthened over .030" white PVB interlayer (color to be chosen from mfr's standard catalog) over $\frac{1}{4}$ " clear heat strengthened. Catalog of available PVB colors submitted separately.
2. Finish: Extruded aluminum members and flashings to have a Class 1 clear anodized finish.
3. Design Data: Deflection, $\Delta_{max} = \frac{L}{175} = 0.80"$, SL=30 psf, DL=10 psf, WL=±20 psf. See page 6 of 7 for framing member structural and physical characteristics. Structural calculations submitted separately.
4. Warranty: WSD warrants the Skylight, Finish, and Glass against defects including design, manufacturer, materials, and construction, for a period of 10 years from the Date of Canopy Completion.
5. Product Approval: Wisconsin Solar Design is an approved manufacturer per addendum #1.
6. Installer Certification: Installers are full-time employees of WSD and are certified by the manufacturer.

NOTES:

1. Wisconsin Solar Design, Inc. will field verify canopy structural steel framework dimensions prior to fabrication.
2. Architect: Please see note on sheet 3 regarding location of suspension rod brackets and HSS rafters. Please advise.

INDEX:

1. Title Page
2. Steel Framing Plan
3. Canopy Plan
4. Elevations
5. Sections
6. Details & Rafter Properties
7. Details



DRAWING APPROVAL: We have reviewed these drawings and approve their use for construction of the canopy. Any comments or suggestions have been added to the drawings.

Architect:
Bill Montelbano, AIA

name (signed) _____
name (printed) _____
title _____ date _____

General Contractor:
Miron Construction Co.

name (signed) _____
name (printed) _____
title _____ date _____

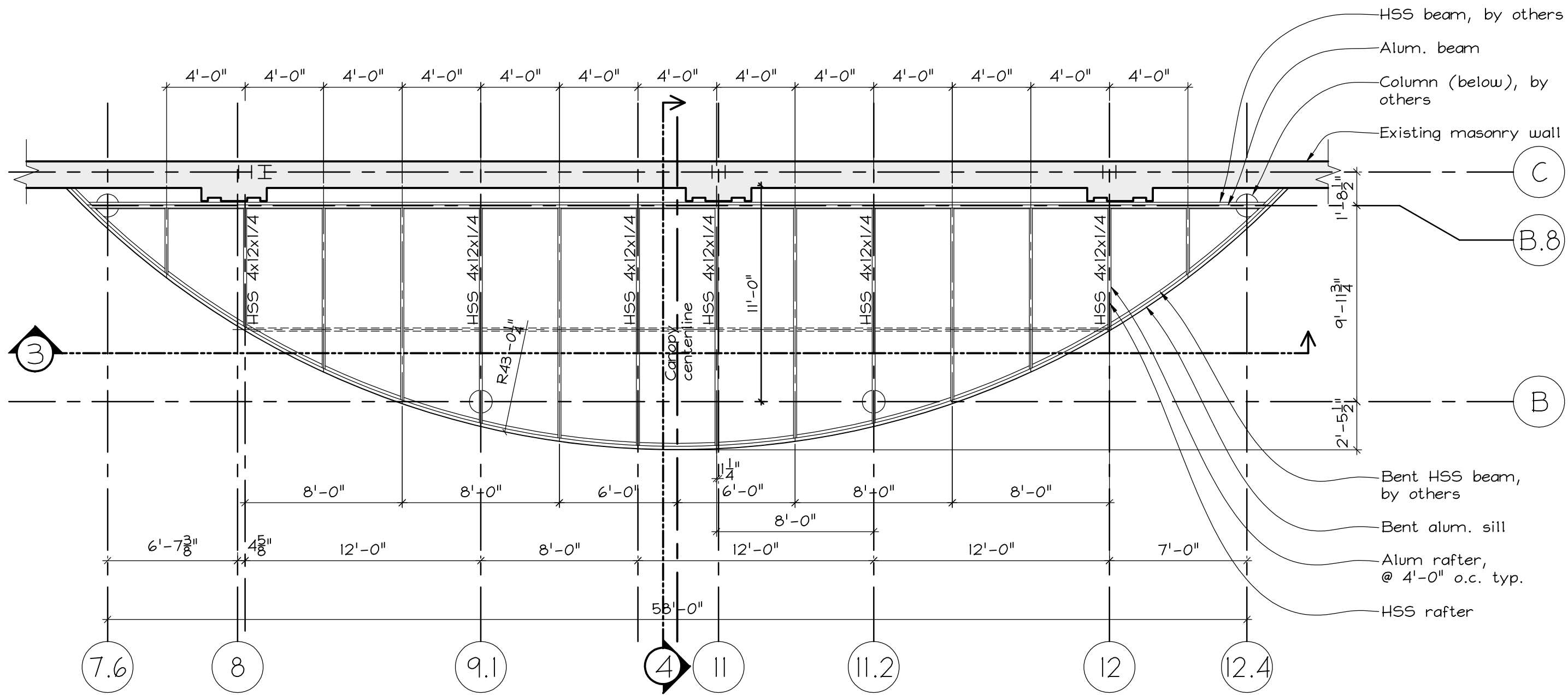
Drawings prepared by: WISCONSIN SOLAR DESIGN

Project:
 James Madison Memorial High School
 Entrance Canopy
 201 South Gammon Road
 Madison, WI 53717

Architect:
 Bill Montelbano, AIA
 8 E. Hudson, PO Box 123
 Mazomanie, WI 53560

1 of 7
 Issued:
 7/08/13

Manufacturer/Installer:
WISCONSIN SOLAR DESIGN
 6349 Briarcliff Ln., Middleton, WI 53562

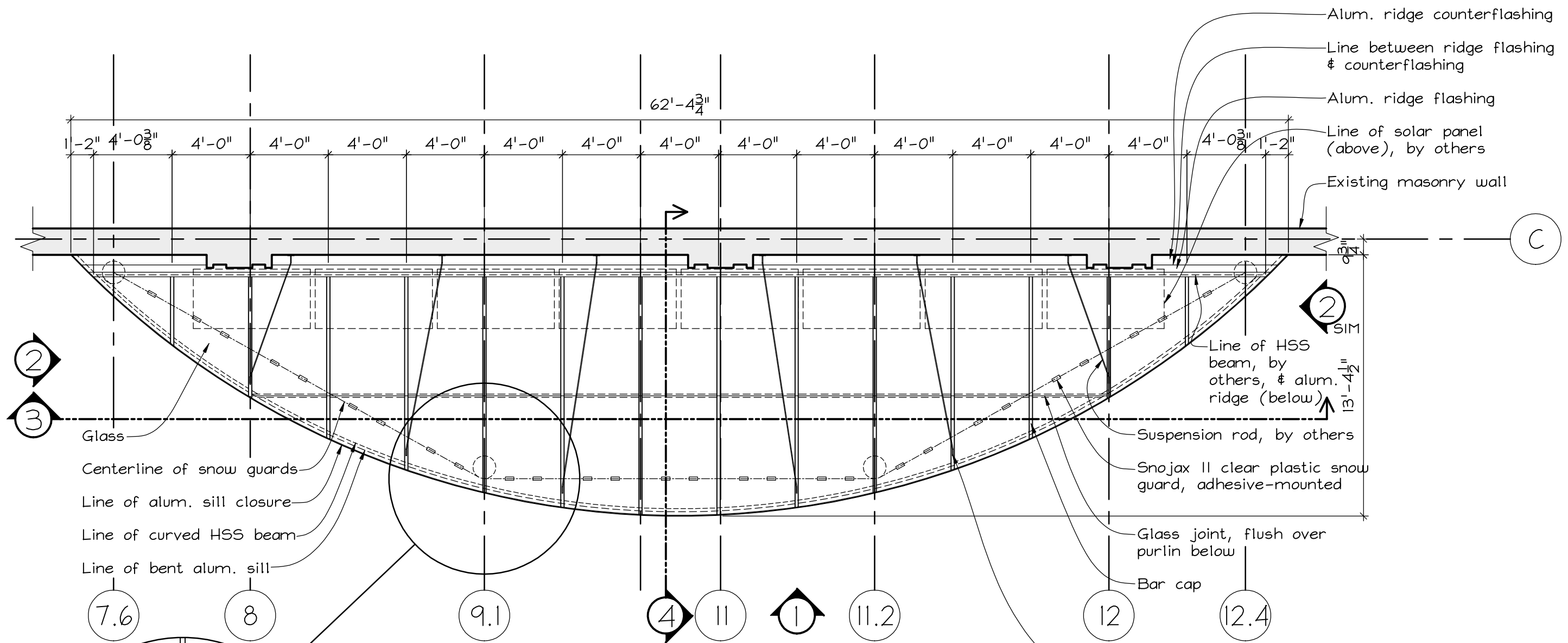


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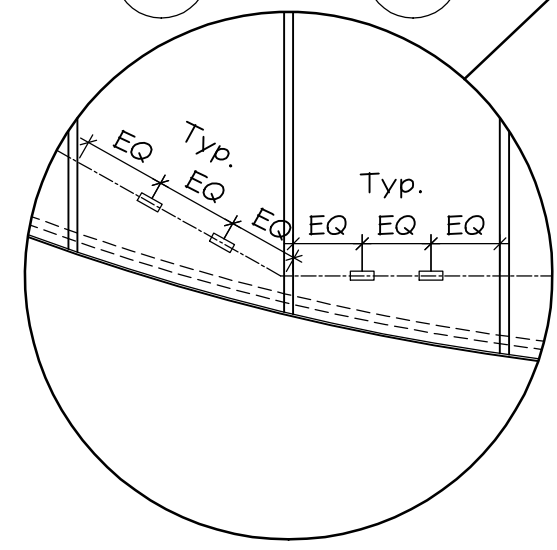
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Plan - Canopy
 Scale: $\frac{3}{16}'' = 1'-0''$

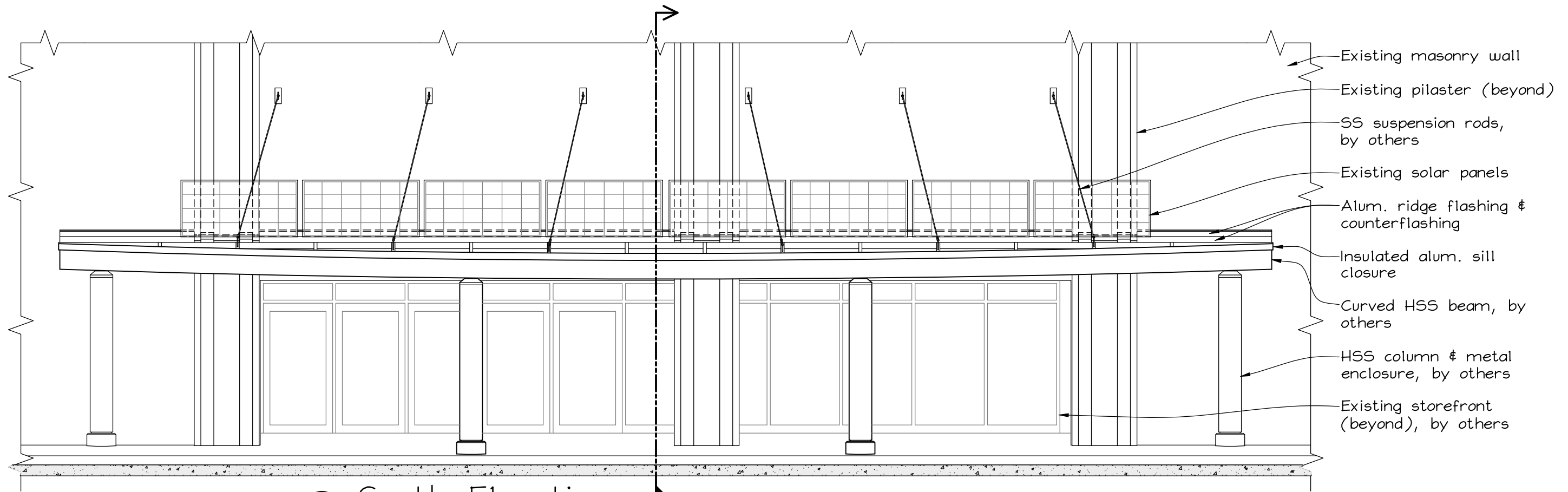


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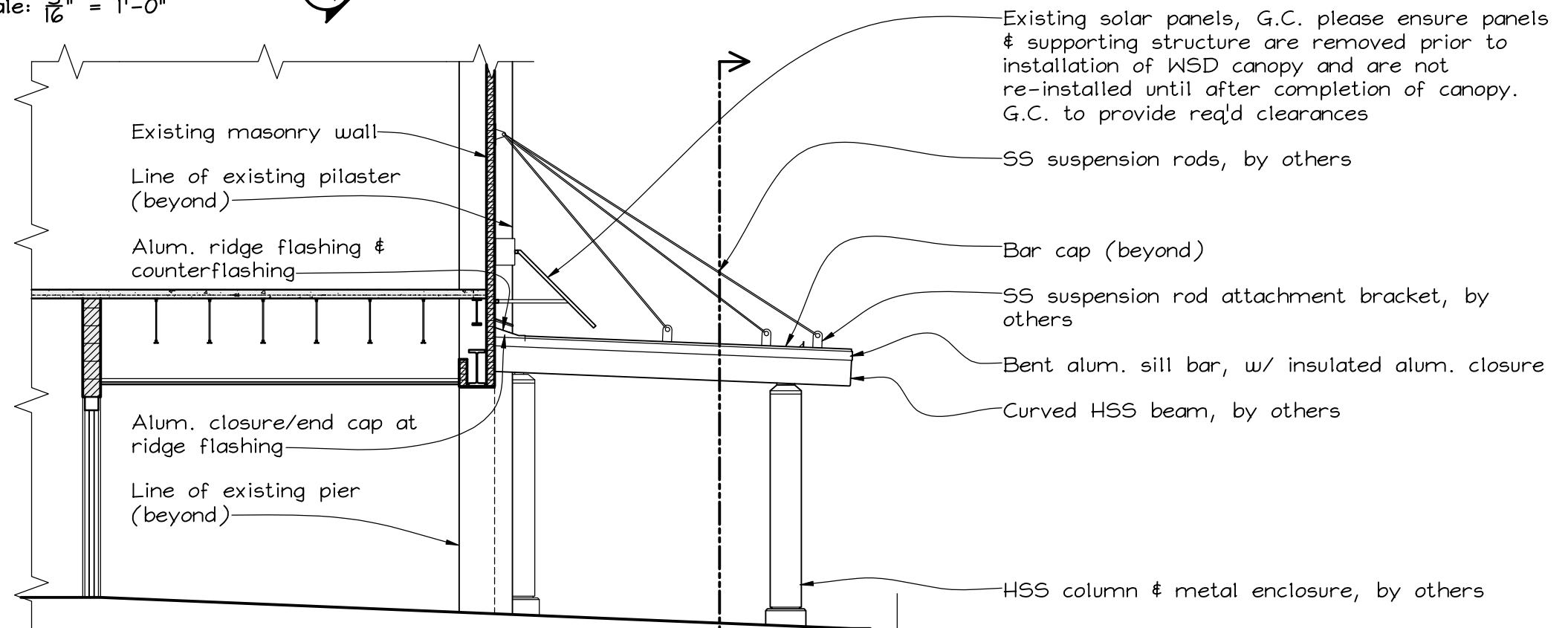
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① South Elevation
Scale: $\frac{3}{16}'' = 1'-0''$



② West Elevation
Scale: $\frac{3}{16}'' = 1'-0''$

Manufacturer/Installer:

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6349 Briarcliff Ln., Middleton, WI 53562

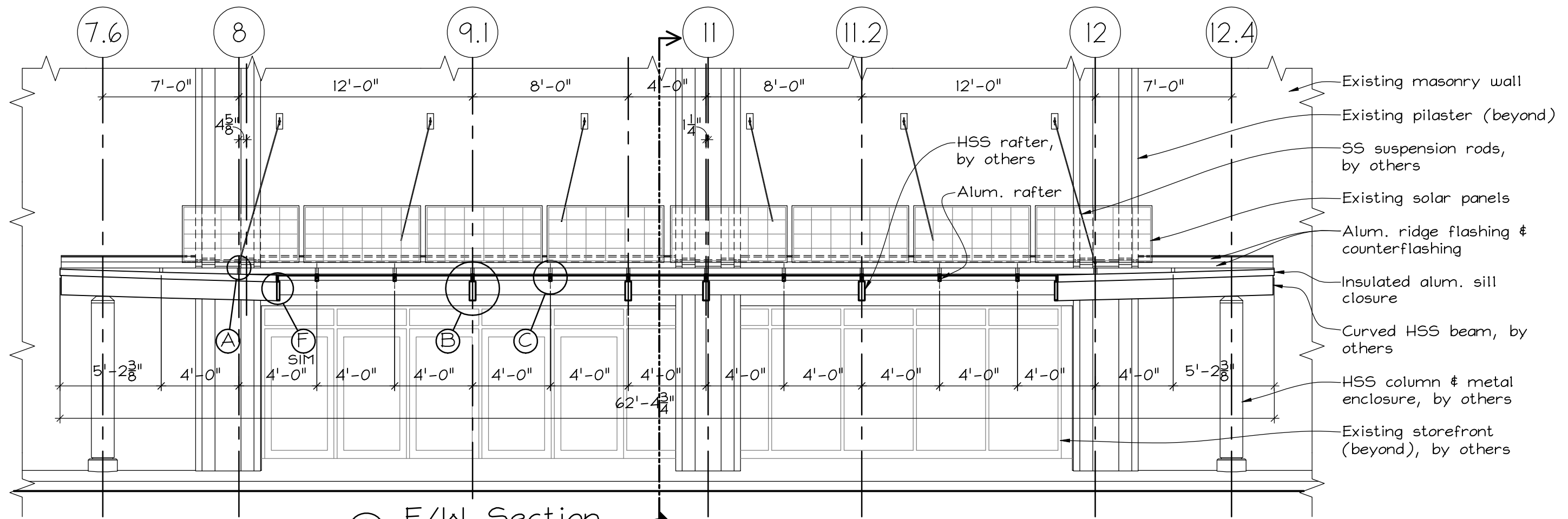
Project:

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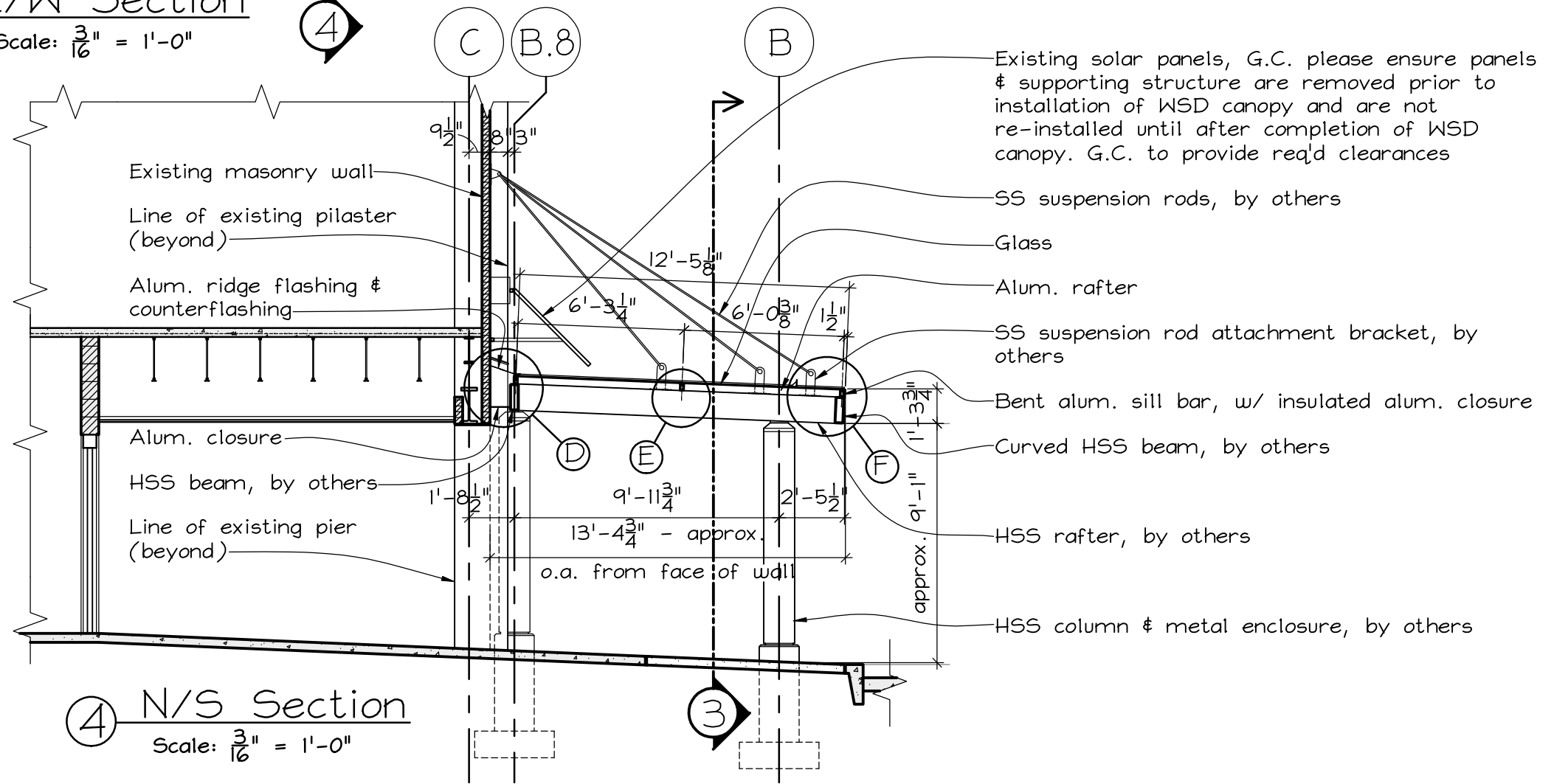
Architect:

Bill Montelbano, AIA
8 E. Hudson, PO Box 123
Mazomanie, WI 53560

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③ E/W Section
Scale: 3/16" = 1'-0"

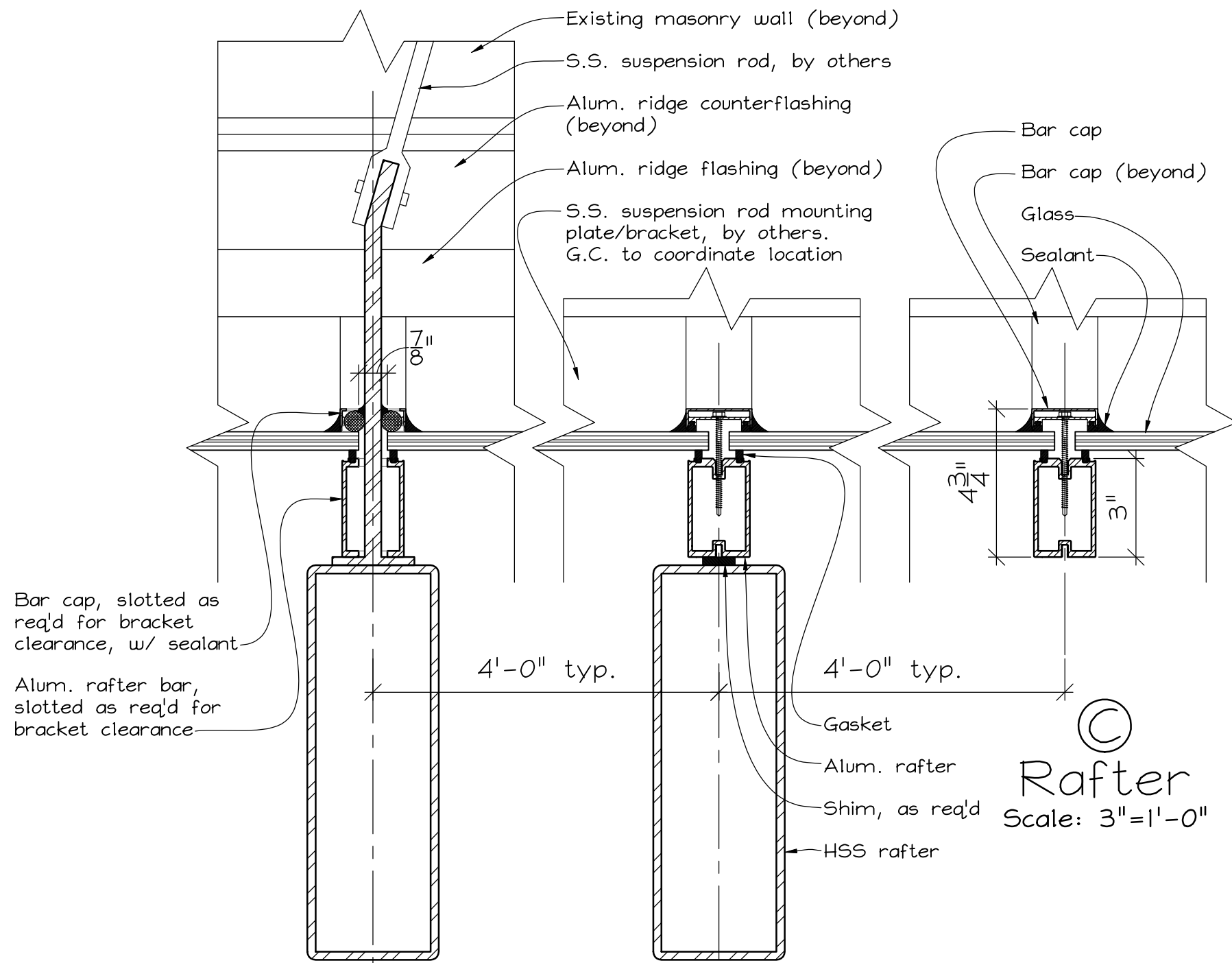


④ N/S Section
Scale: 3/16" = 1'-0"

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Bar cap, slotted as req'd for bracket clearance, w/ sealant

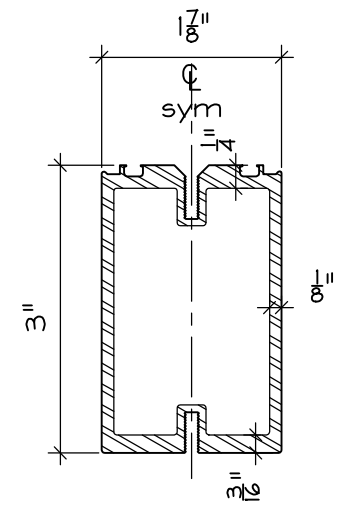
Alum. rafter bar, slotted as req'd for bracket clearance

Ⓐ
Rafter
at Hanger
Scale: 3"=1'-0"


Ⓑ
Rafter
at HSS
Scale: 3"=1'-0"

Ⓒ
Rafter
Scale: 3"=1'-0"

Rafter Structural Properties	
Wgt/ft	= 1.762 #
A	= 3.77 in ²
Ix	= 1.832 in ⁴
Sx	= 1.218 in ³

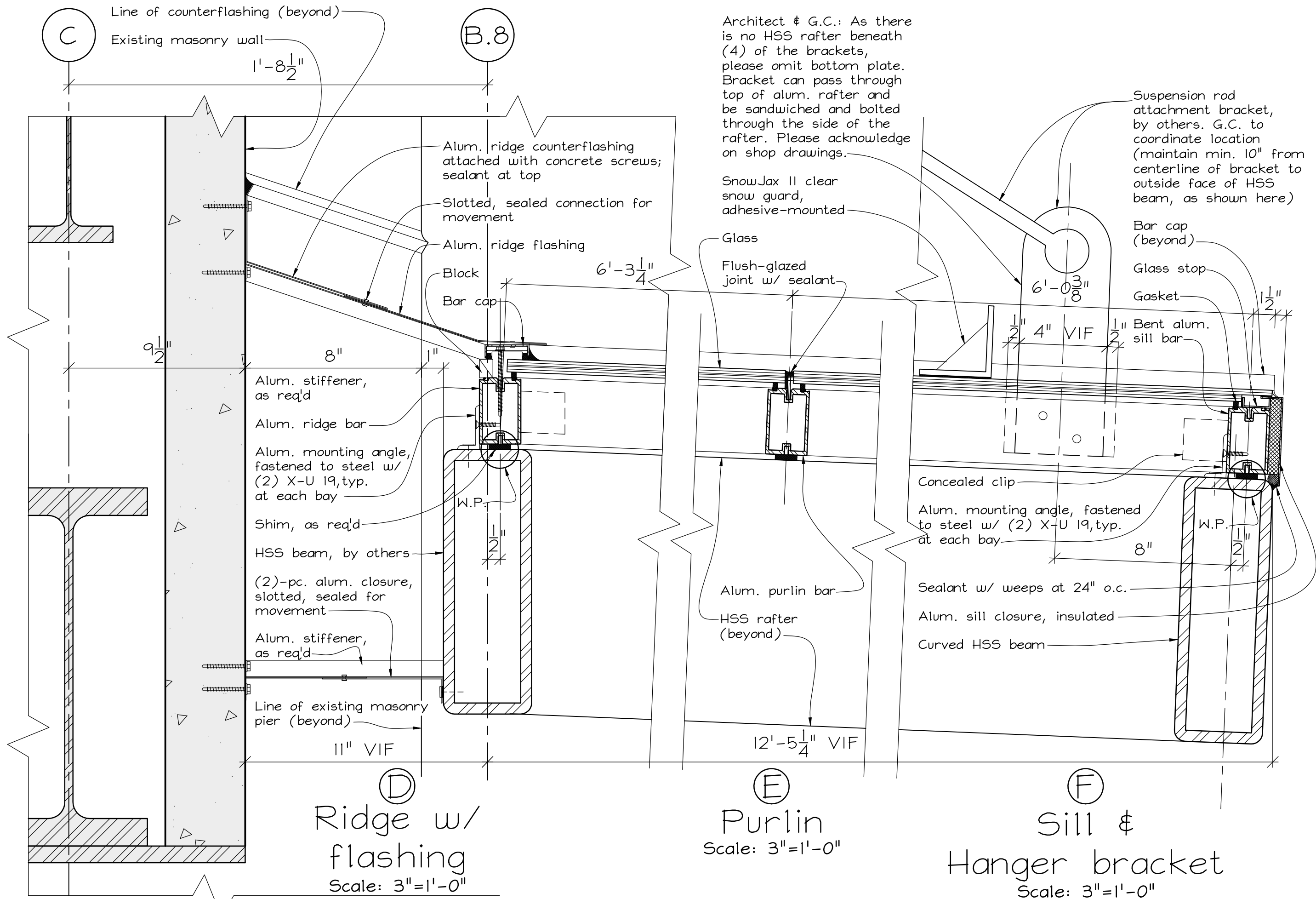


Rafter Properties
Scale: 6"=1'-0"

Manufacturer/Installer:

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 Mazomanie, WI 53560



Line of counterflashing (beyond)

Existing masonry wall

1'-8 1/2"

B.8

Architect & G.C.: As there is no HSS rafter beneath (4) of the brackets, please omit bottom plate. Bracket can pass through top of alum. rafter and be sandwiched and bolted through the side of the rafter. Please acknowledge on shop drawings.

SnowJax II clear snow guard, adhesive-mounted

Glass

Flush-glazed joint w/ sealant

Suspension rod attachment bracket, by others. G.C. to coordinate location (maintain min. 10" from centerline of bracket to outside face of HSS beam, as shown here)

Bar cap (beyond)

Glass stop

Gasket

1/2" Bent alum. sill bar

Concealed clip

Alum. mounting angle, fastened to steel w/ (2) X-U 19, typ. at each bay

Sealant w/ weeps at 24" o.c.

Alum. sill closure, insulated

Curved HSS beam

Ridge w/ flashing
Scale: 3"=1'-0"

Purlin
Scale: 3"=1'-0"

Sill & Hanger bracket
Scale: 3"=1'-0"

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