

REVISIONS			
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NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD, METAL AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
5. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
6. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
7. FRAME MATERIAL: ALUMINUM 6063-T6.
8. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 3 FOR GLASS DETAILS.
9. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
10. FOR ANCHORING INTO WOOD STRUCTURE USE 1/2" LAG BOLTS AND 1/4" LAG BOLTS, REFER TO ANCHORING CHART FOR MINIMUM EMBEDMENT AND EDGE DISTANCES.
11. FOR ANCHORING INTO METAL STRUCTURE USE 1/2"-13 BOLTS AND 1/4"-20 BOLTS WITH WASHERS, LOCKWASHERS AND NUTS. METAL STRUCTURE MUST BE DRILLED AND TAPPED TO ACCOMMODATE ANCHORS. REFER TO ANCHORING CHART FOR MINIMUM EDGE DISTANCES.
12. FOR ANCHORING INTO CONCRETE STRUCTURE USE 1/2" CONCRETE EXPANSION ANCHOR AND 1/4" TAPCONS. REFER TO ANCHORING CHART FOR MINIMUM EDGE DISTANCES.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
A. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.50
B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
D. METAL STRUCTURE: STEEL 5/16" THICK MINIMUM FY=33KSI/FU=52KSI
15. UNITS MAY BE ASSEMBLED TOGETHER TO FORM VARIOUS SHAPES AND CONFIGURATIONS. THESE ASSEMBLIES REQUIRE FURTHER ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL, REFER TO SHEET 4 FOR CONFIGURATIONS SAMPLES.

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ACURLITE STRUCTURAL SKYLIGHTS
1017 N. VINE ST.
BERWICK, PA 18603

SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT
LARGE MISSILE IMPACT – HVHZ
NOTES

DRAWN:
A.R.

DWG NO.
08-03778

REV
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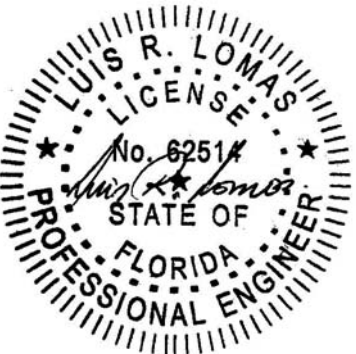
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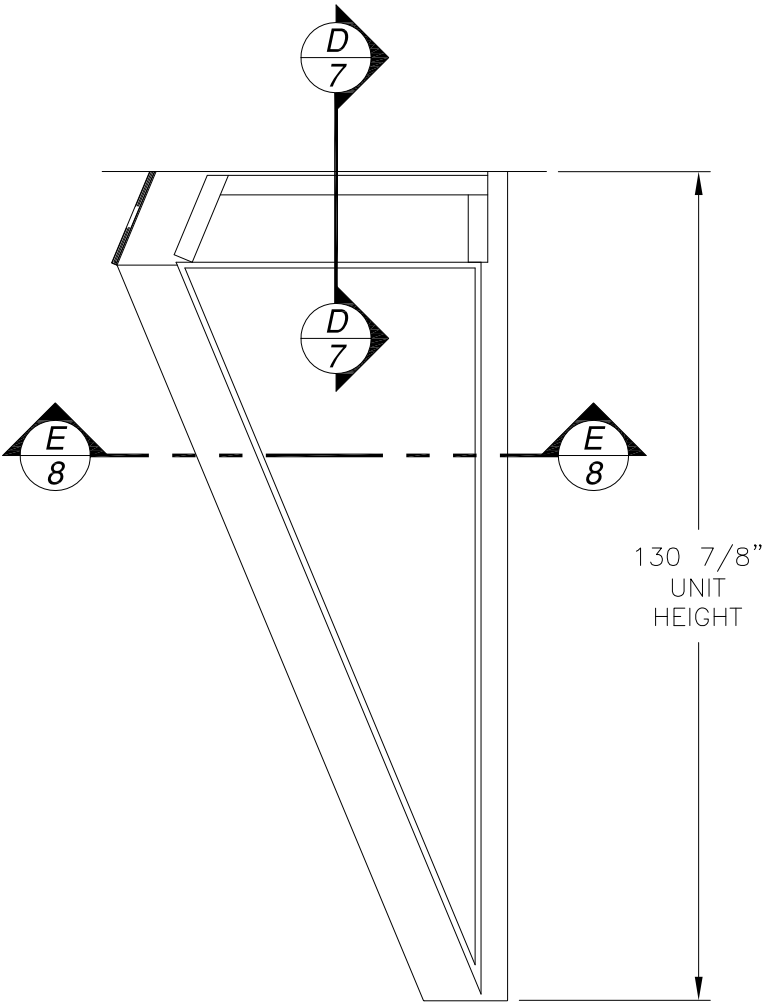
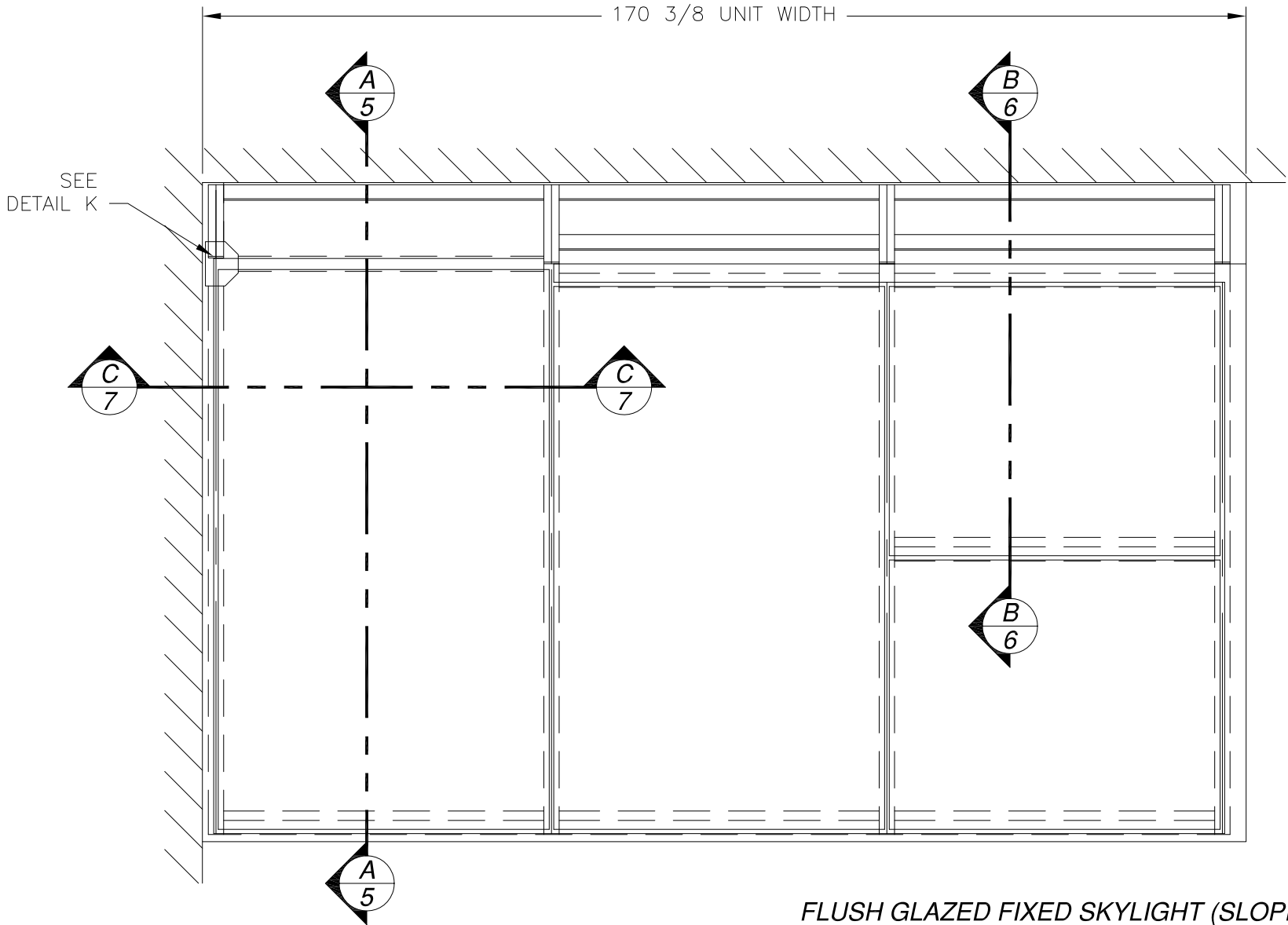
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434-688-0609 rllomas@lrlomaspe.com

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FLUSH GLAZED FIXED SKYLIGHT (SLOPED)
SEE SHEET 4 FOR APPROVED CONFIGURATIONS
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±80.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ

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SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT
LARGE MISSILE IMPACT – HVHZ
ELEVATION

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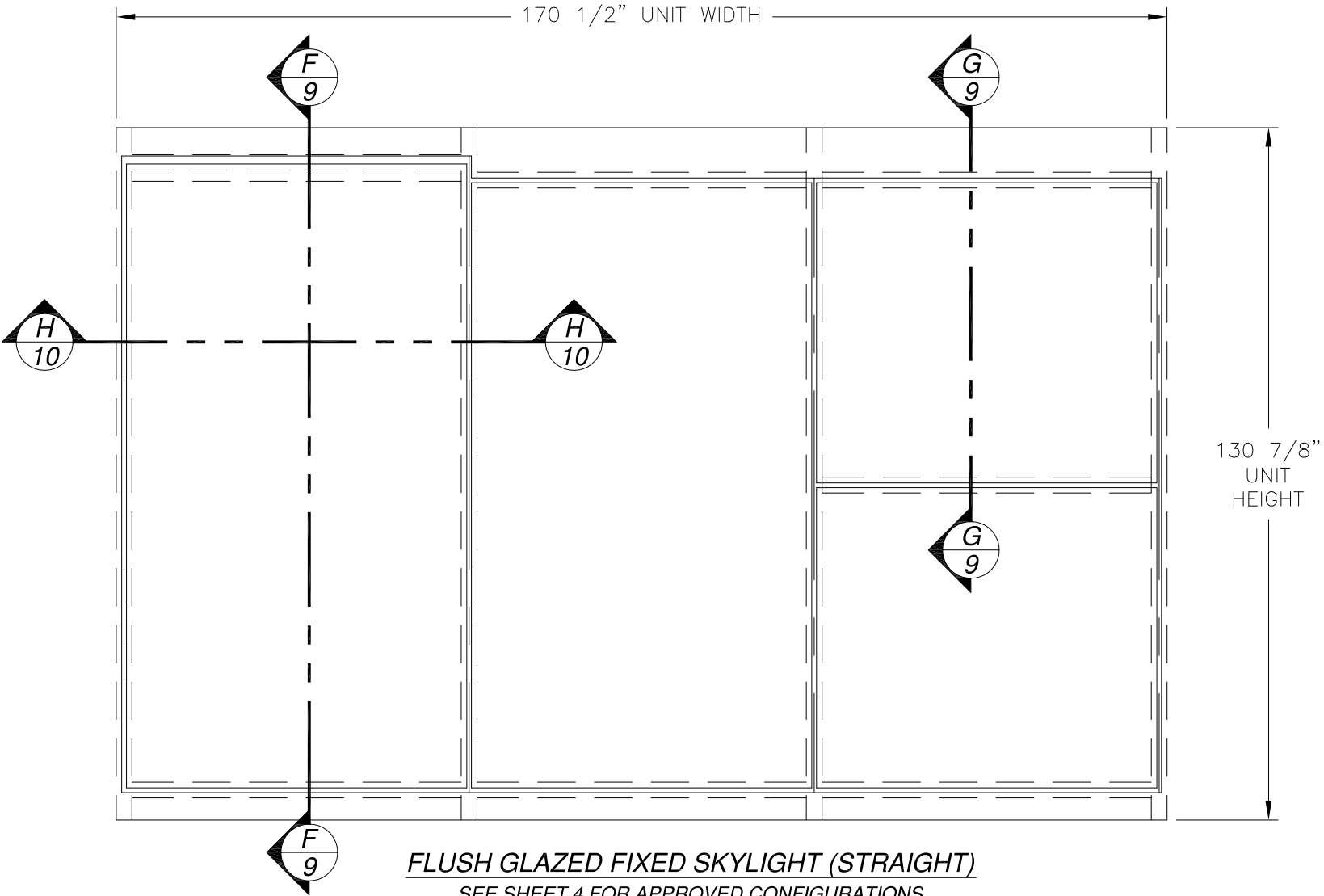
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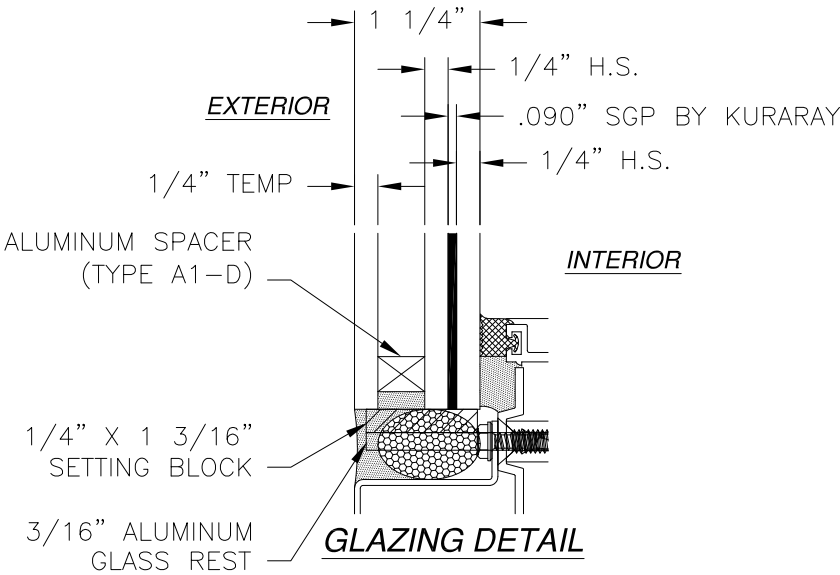
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DESIGN PRESSURE RATING	IMPACT RATING
±80.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ



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SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT
LARGE MISSILE IMPACT – HVHZ
ELEVATION

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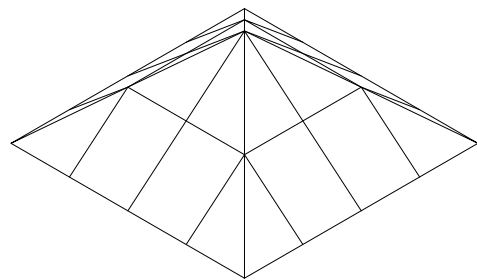
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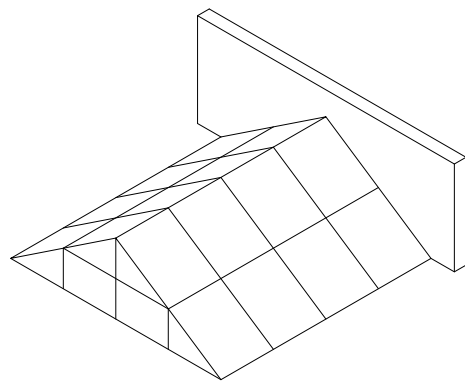
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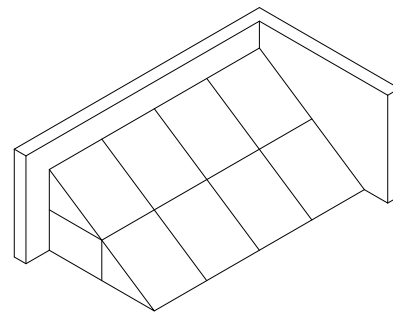
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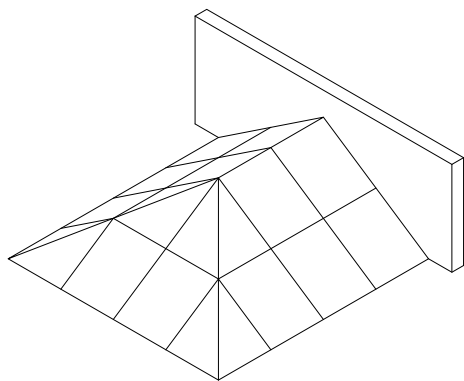
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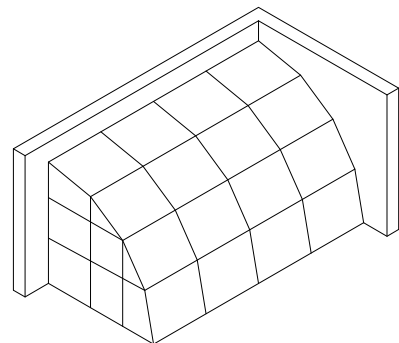
DOUBLE PITCH WITH GABLE



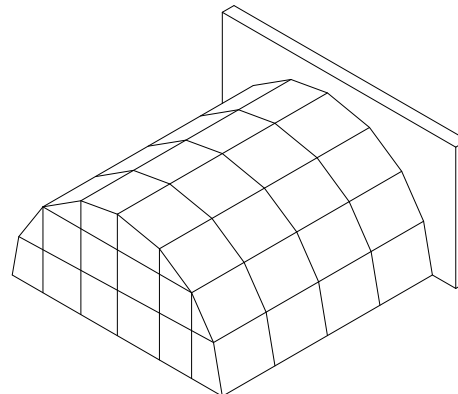
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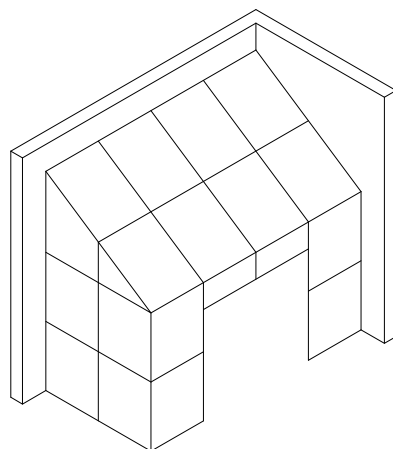
DOUBLE PITCH WITH HIP



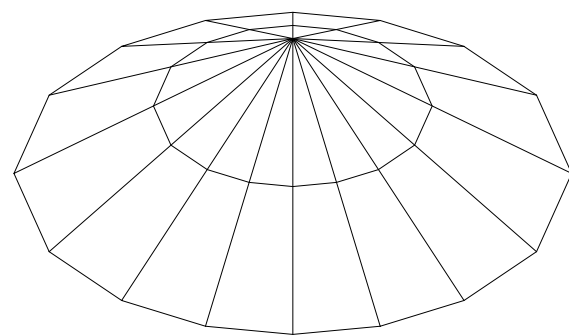
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WITH GABLE



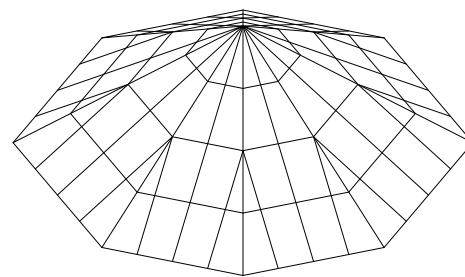
SEGMENTED BARRELL HALF VAULT
WITH GABLE



STRAIGHT EAVE LEAN-TO
WITH GABLE



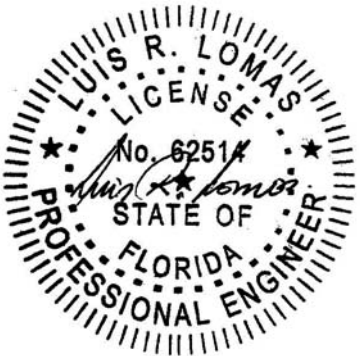
POLYGON



POLYGON WITH JACK RAFTERS

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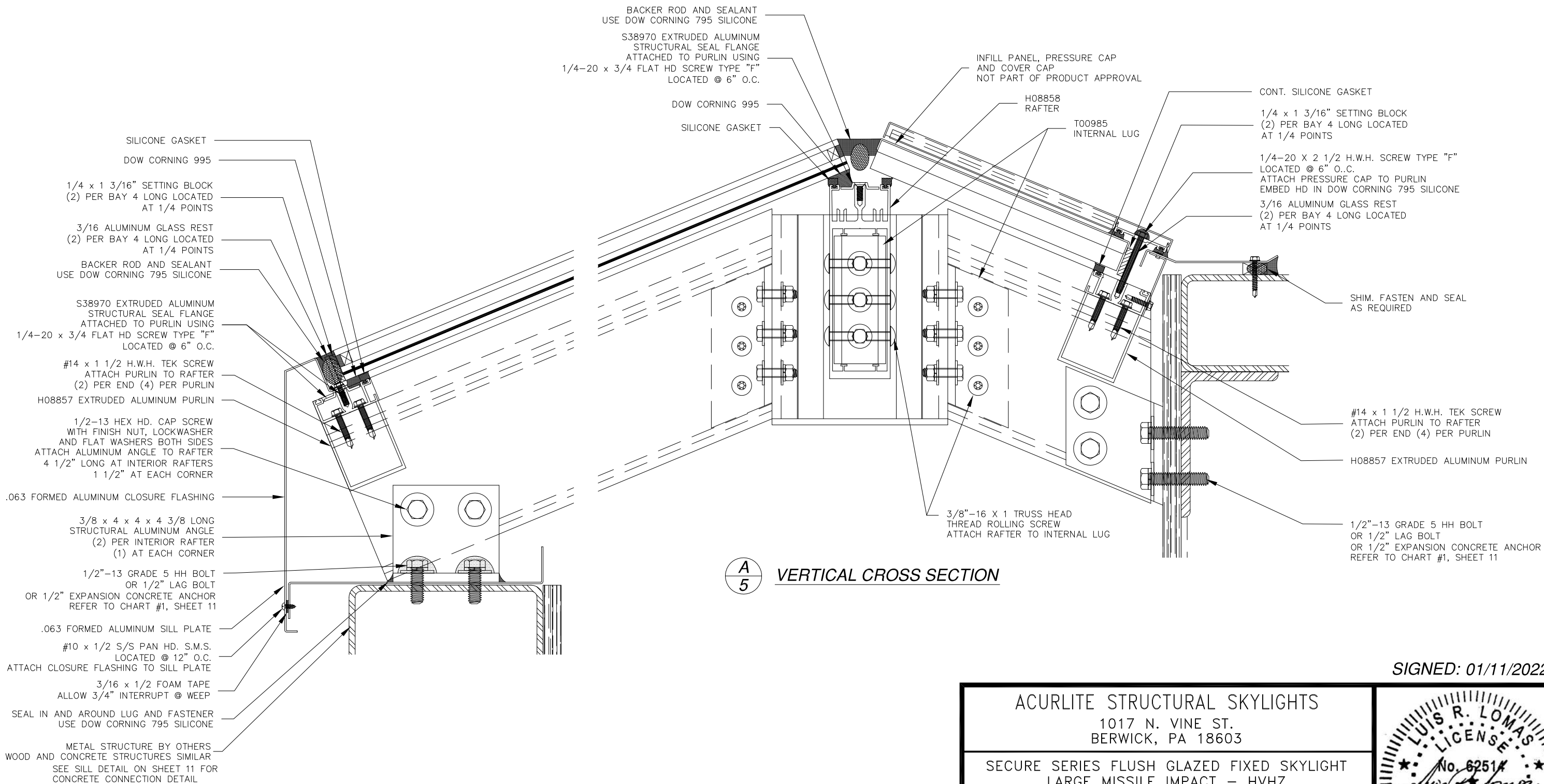
ACURLITE STRUCTURAL SKYLIGHTS 1017 N. VINE ST. BERWICK, PA 18603		
SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT LARGE MISSILE IMPACT – HVHZ APPROVED CONFIGURATIONS		
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A
5 VERTICAL CROSS SECTION

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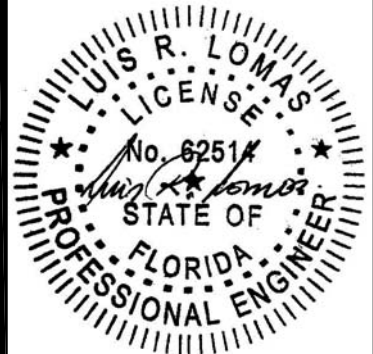
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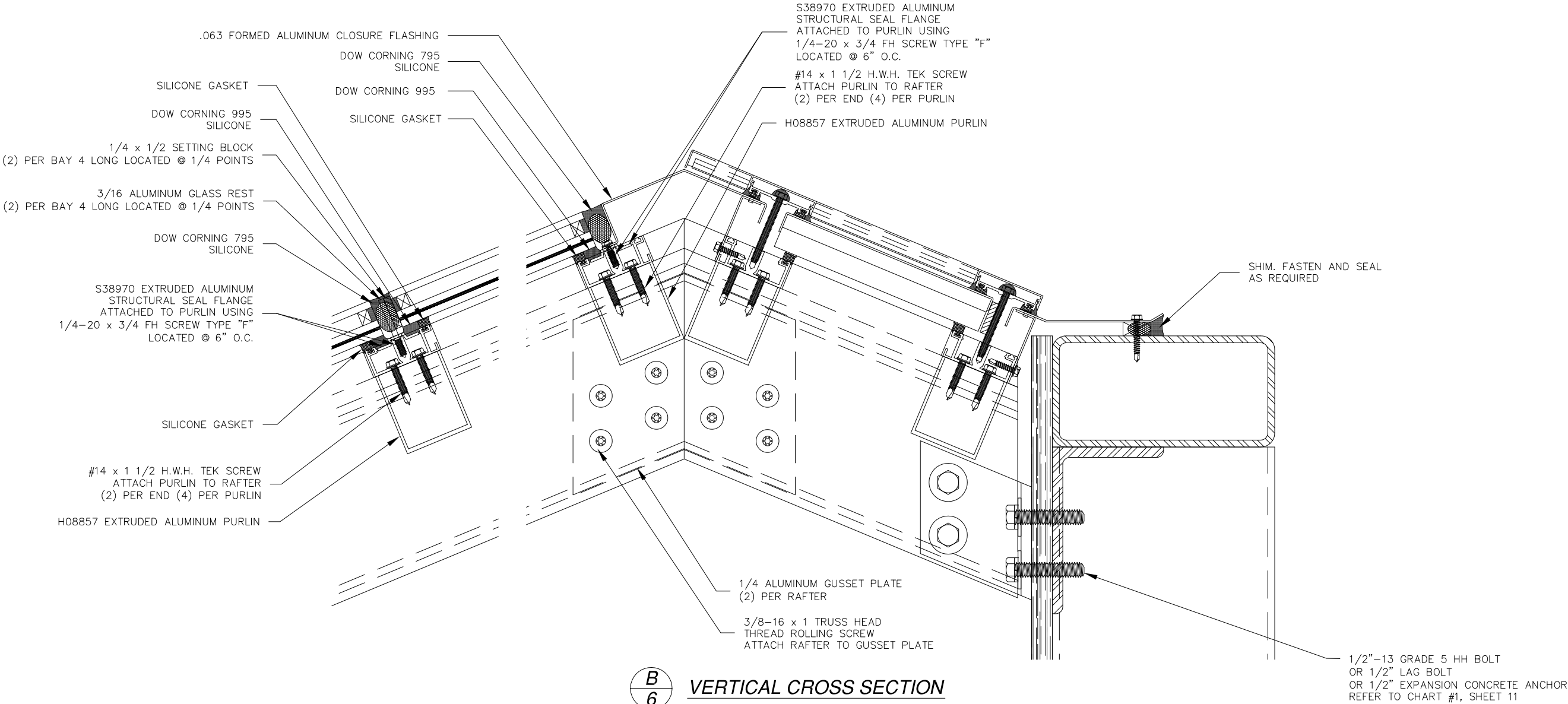
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B

6

VERTICAL CROSS SECTION

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1017 N. VINE ST.
BERWICK, PA 18603

SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT

LARGE MISSILE IMPACT – HVHZ

CROSS SECTIONS

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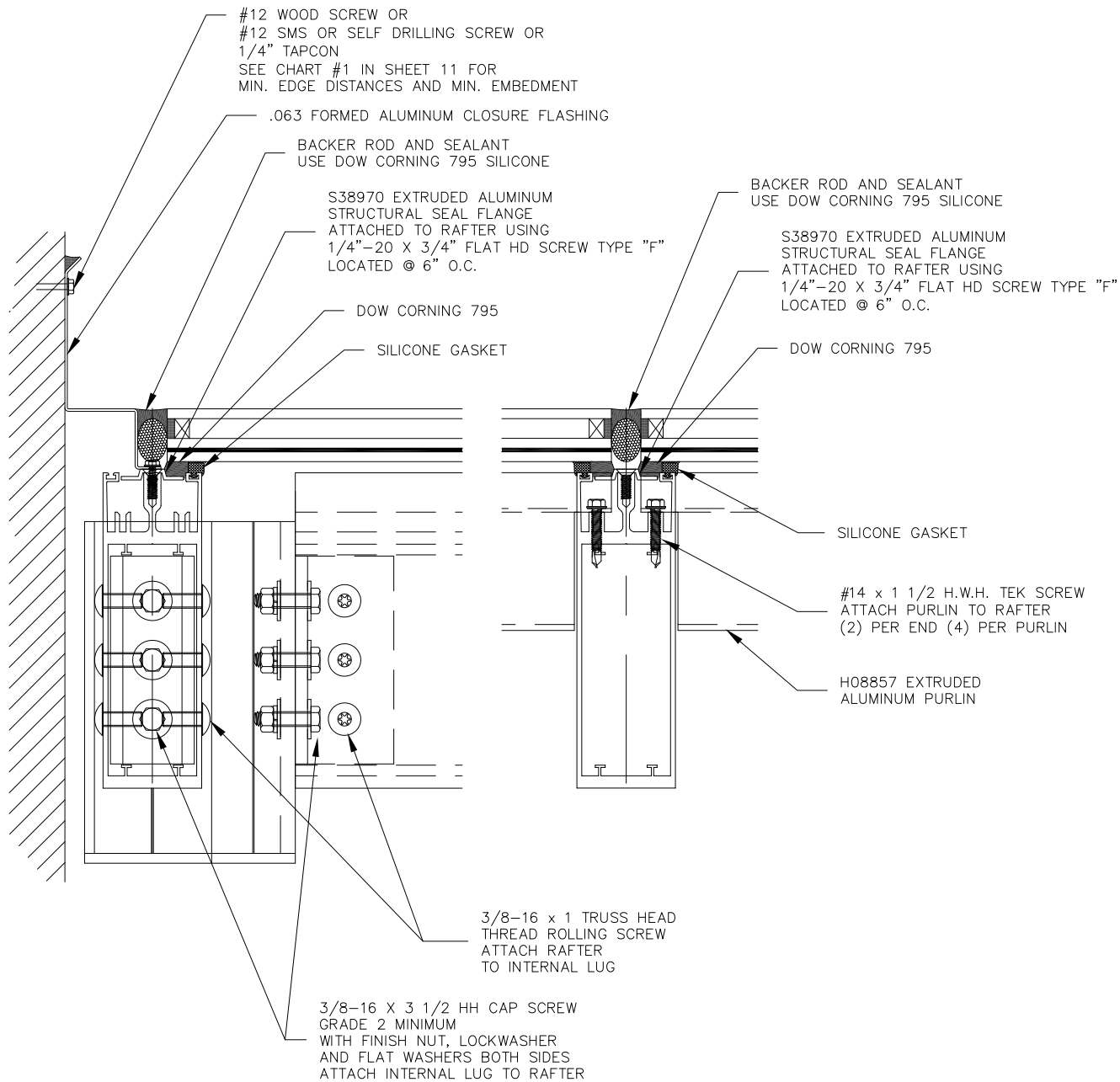
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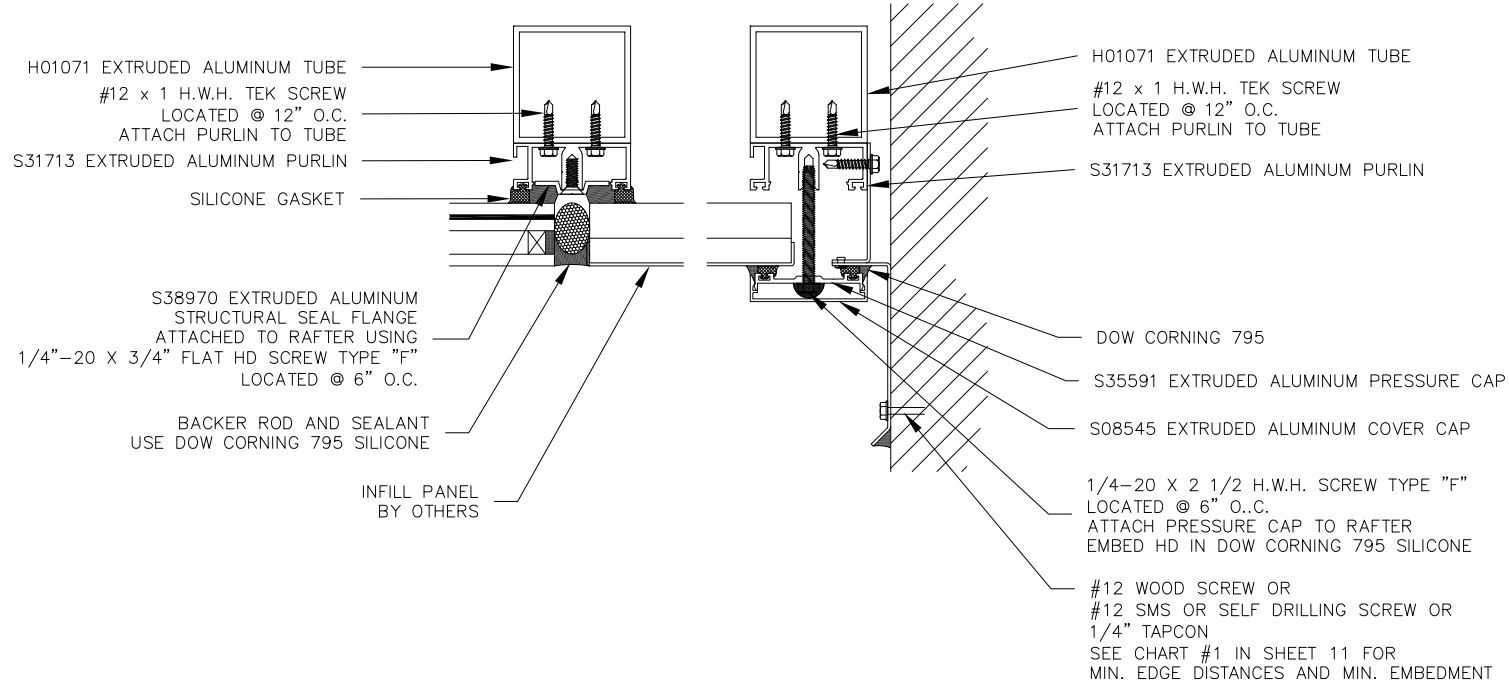


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C
7 **HORIZONTAL CROSS SECTION**



D
7 **HORIZONTAL CROSS SECTION**

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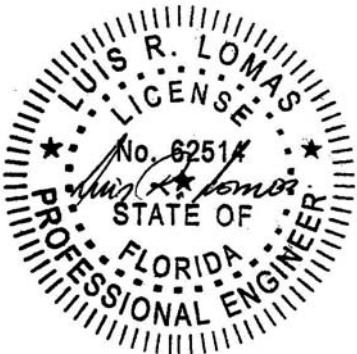
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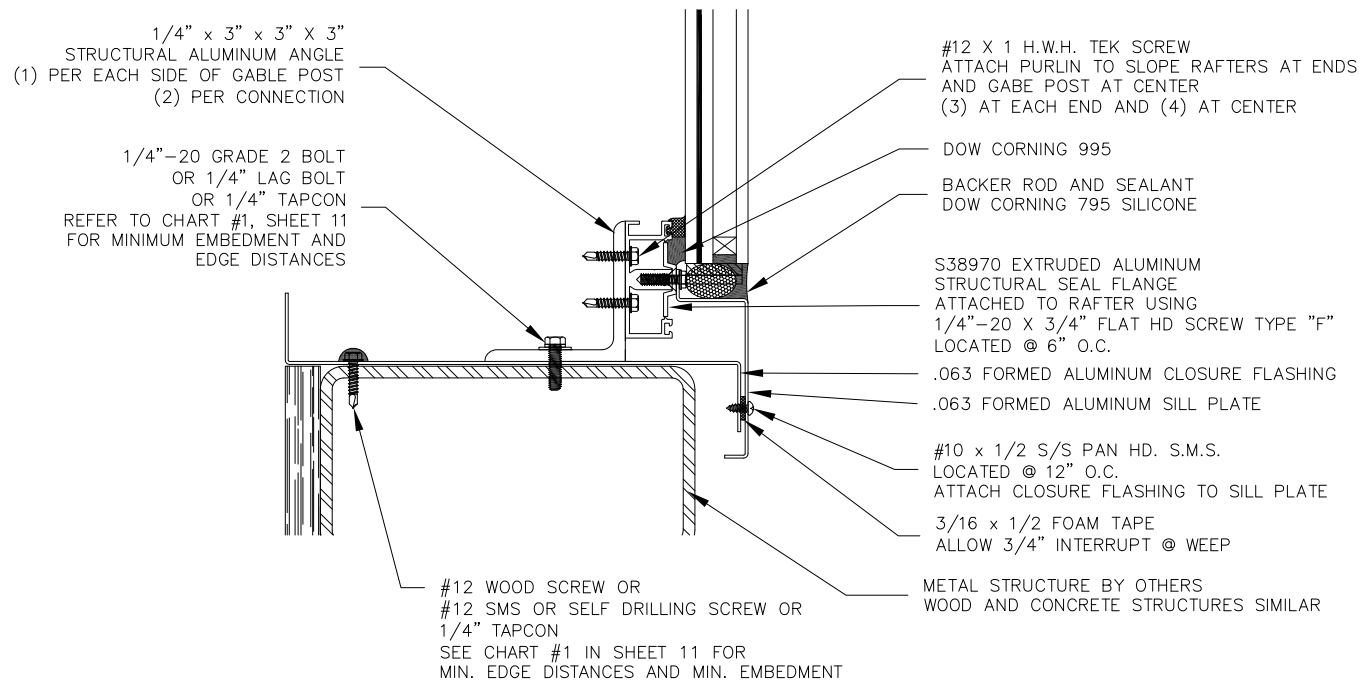
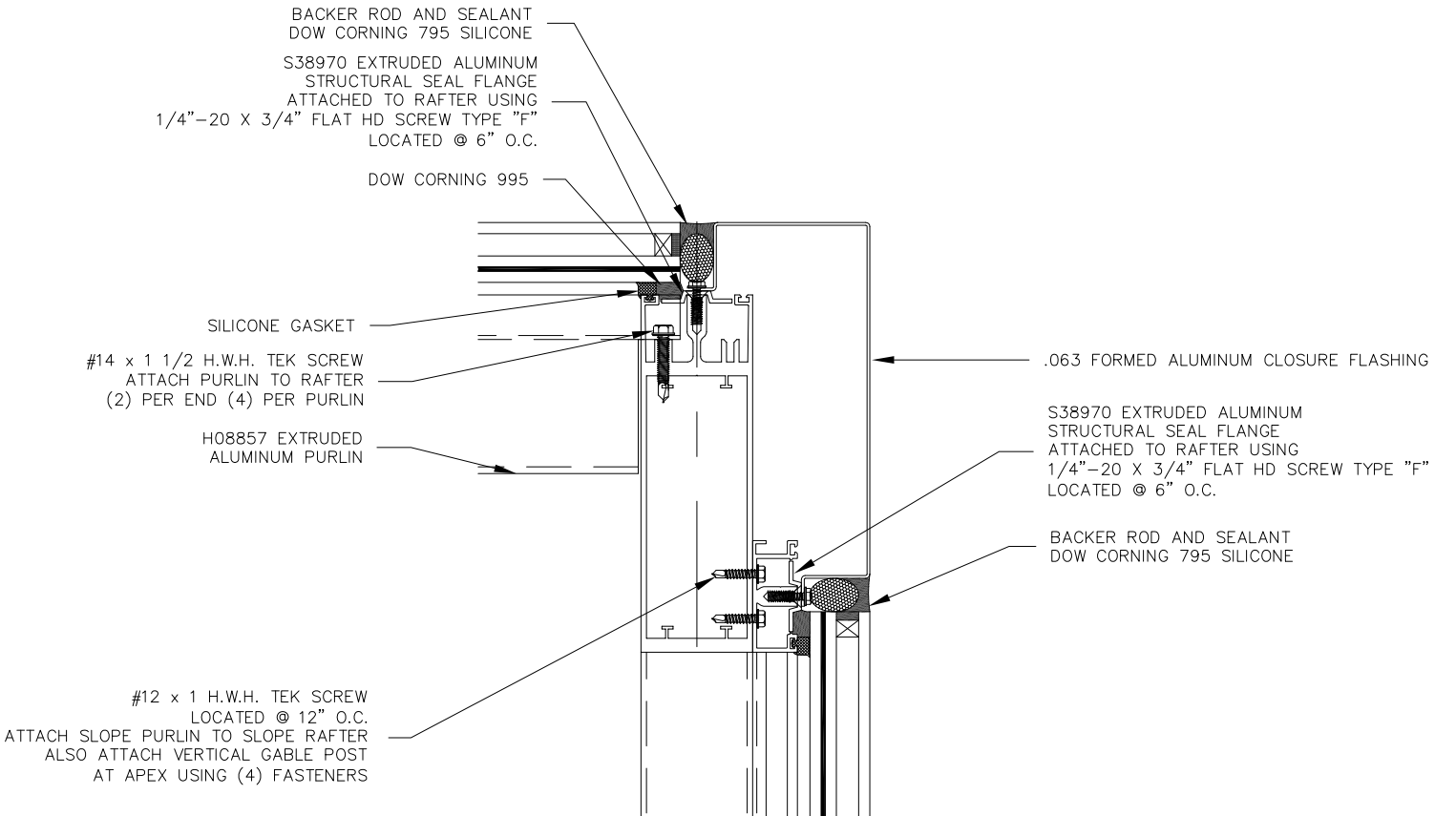
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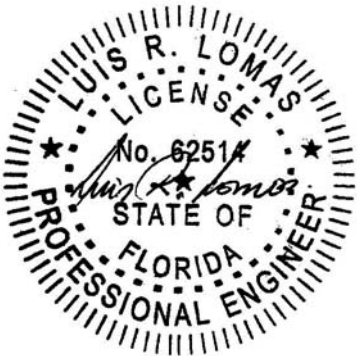


E
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VERTICAL CROSS SECTION

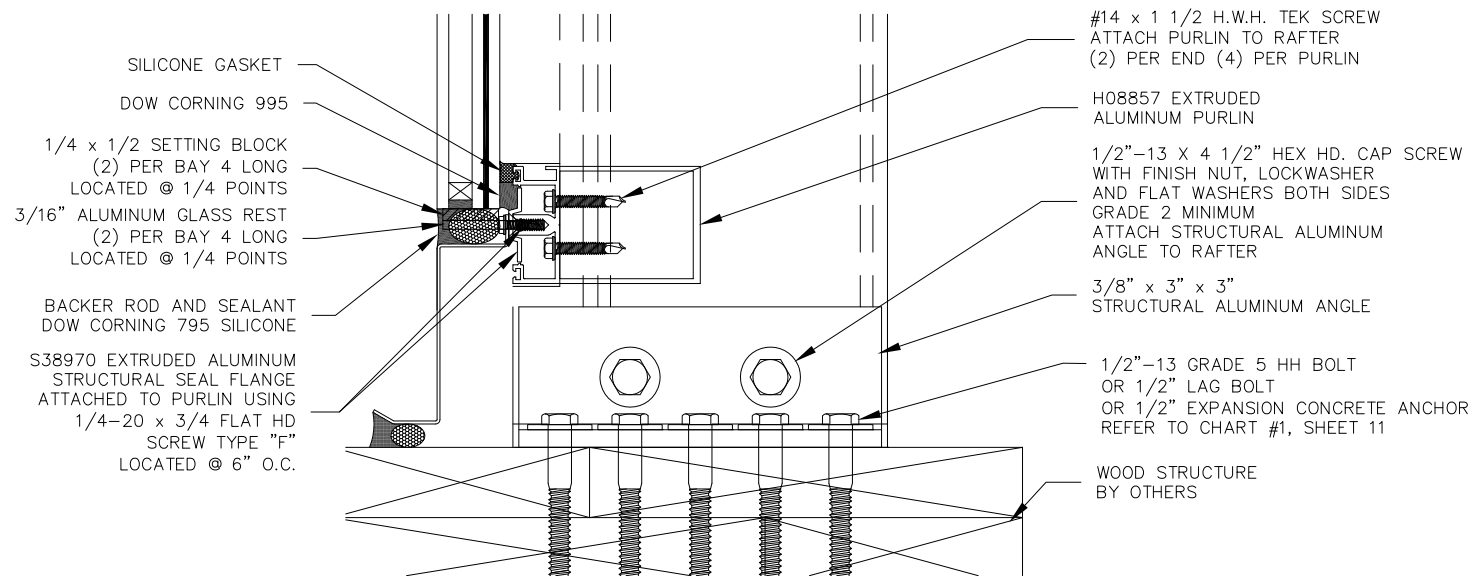
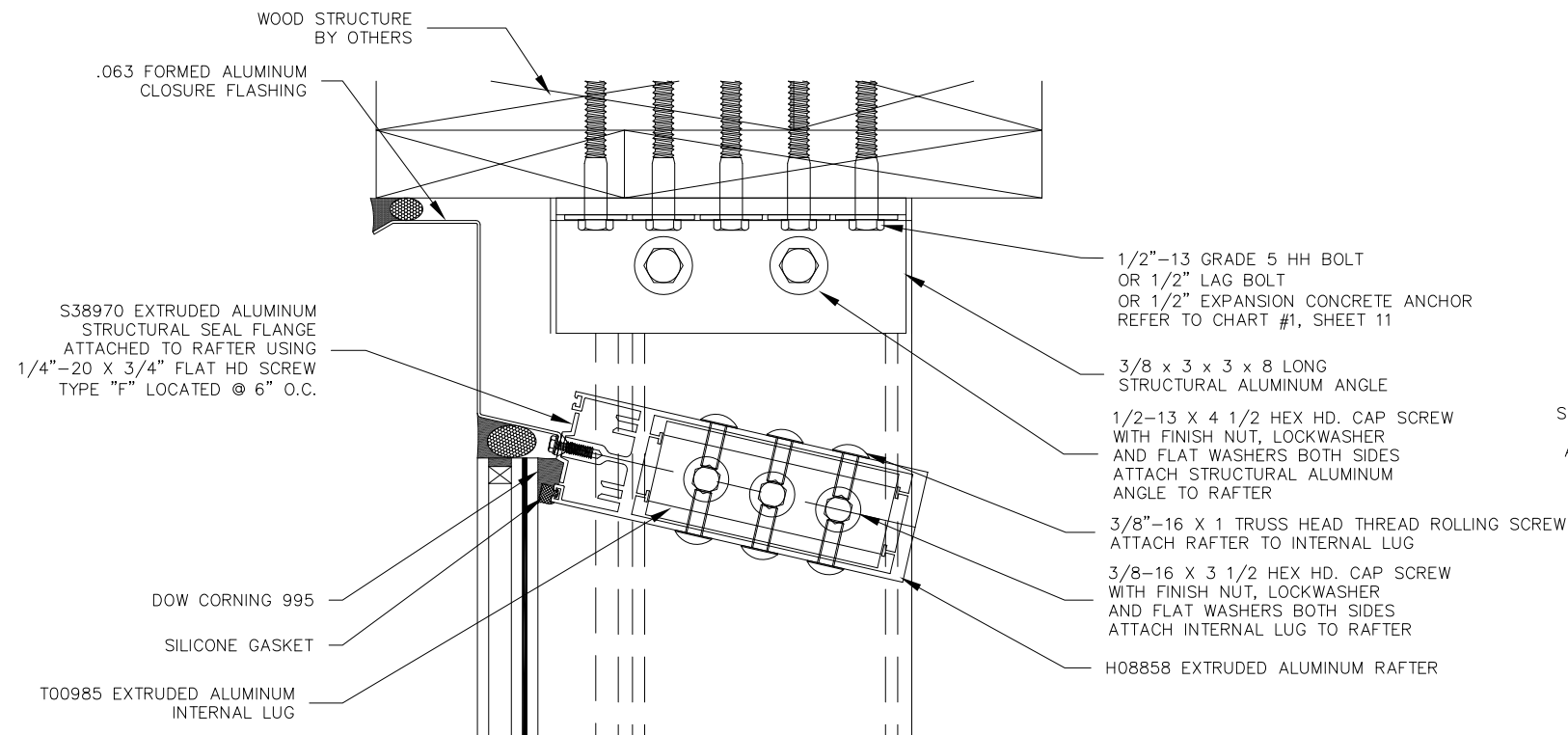
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SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT LARGE MISSILE IMPACT – HVHZ CROSS SECTIONS		
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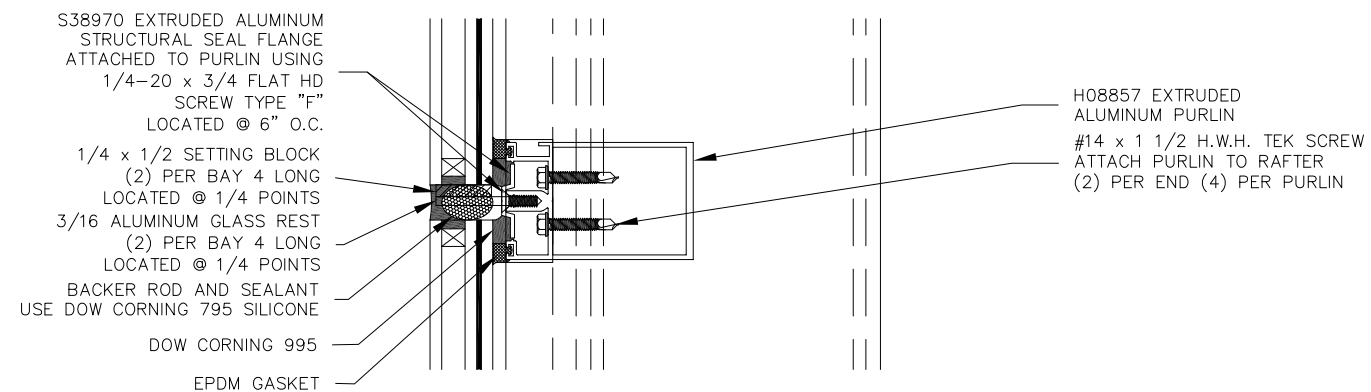
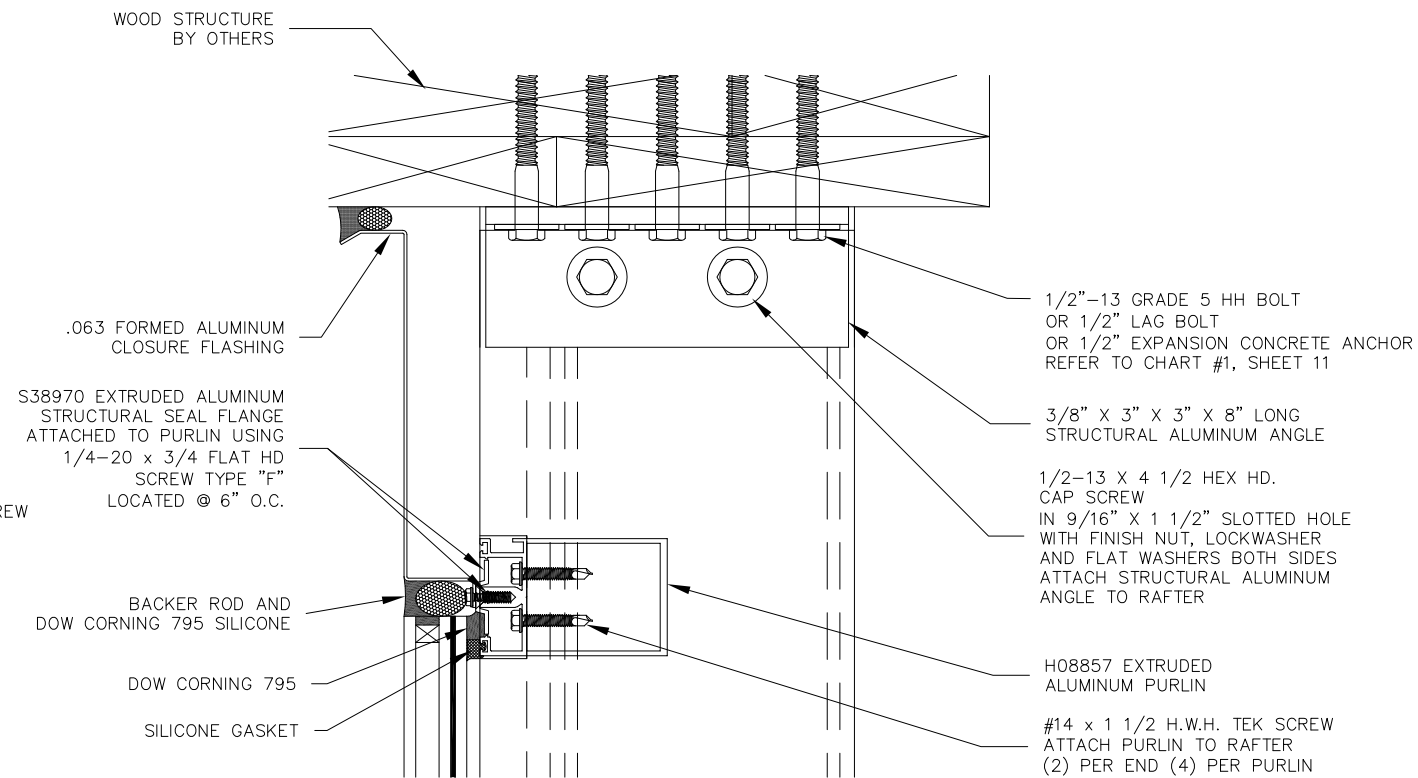
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9

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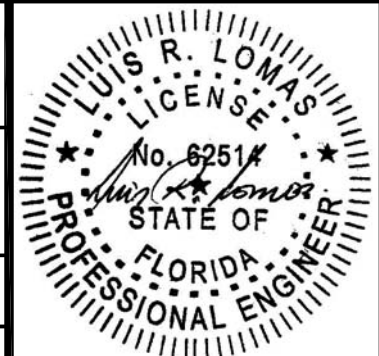


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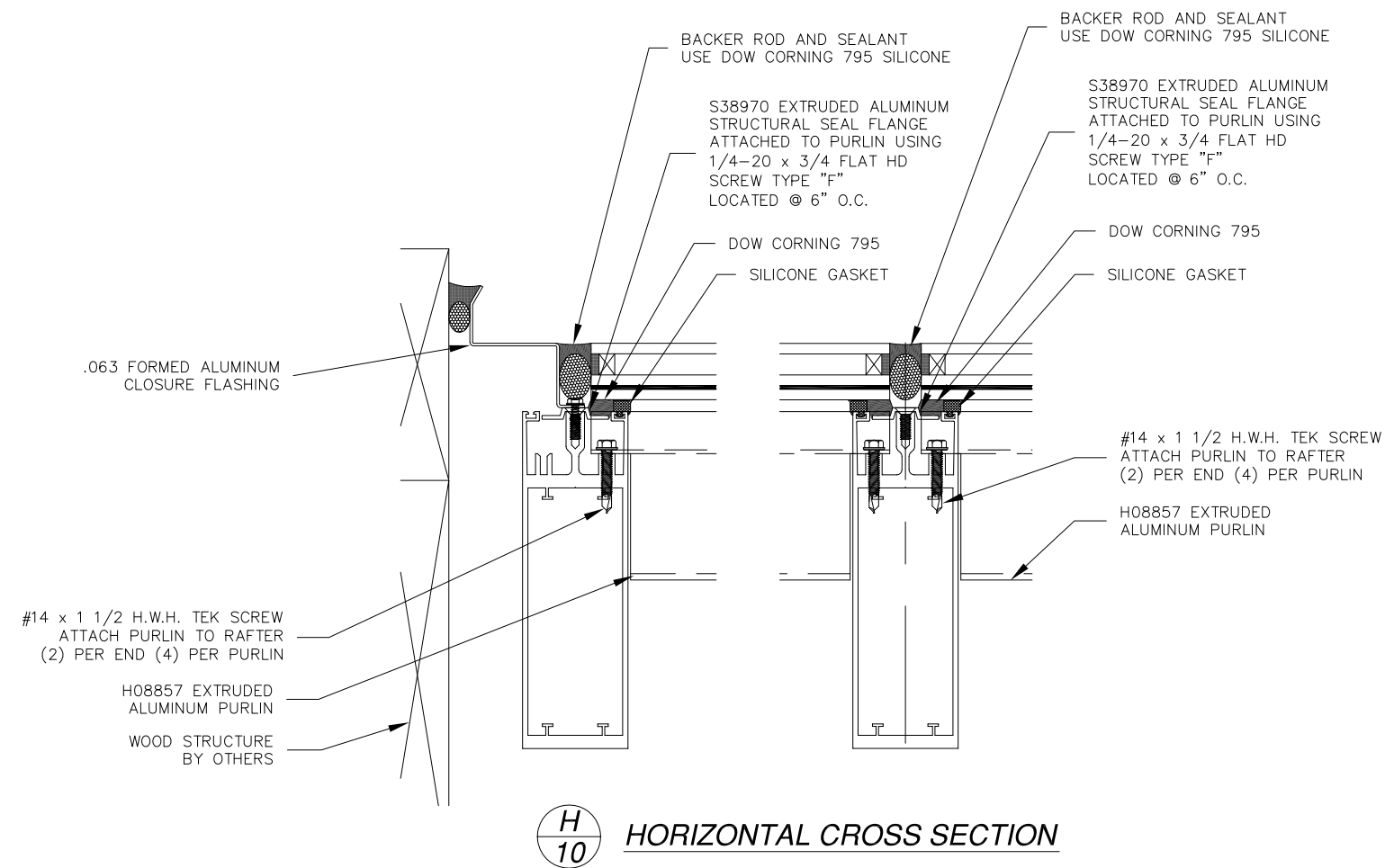
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1017 N. VINE ST. BERWICK, PA 18603		
SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT LARGE MISSILE IMPACT - HVHZ CROSS SECTIONS		
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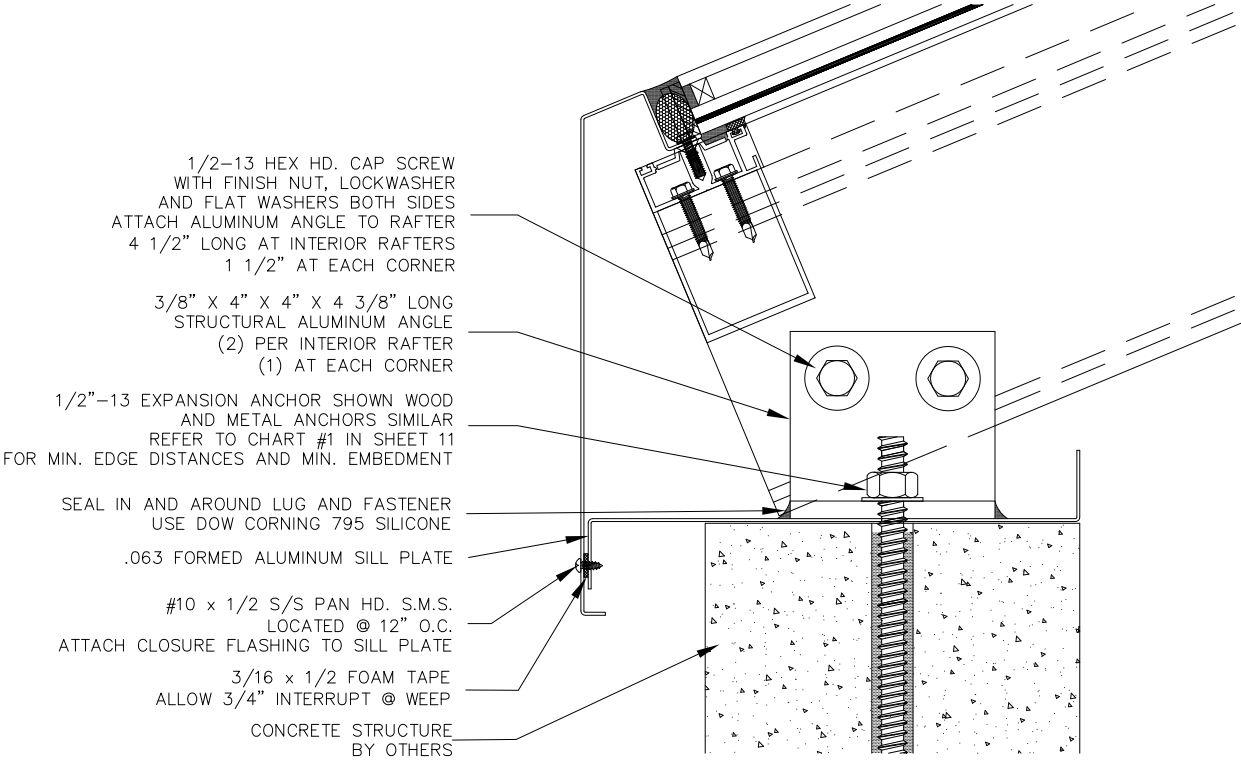


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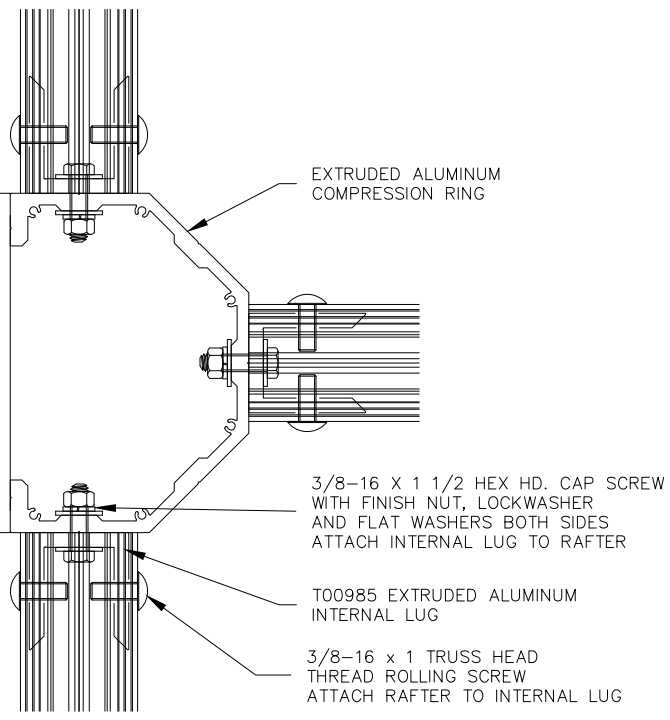
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SILL DETAIL
CONCRETE INSTALLATION



DETAIL K

CHART #1

Anchor Installation Information

SUBSTRATE	ANCHOR		MIN. EDGE DISTANCE	MIN. EMBEDMENT
	Type	Size		
Wood Framing	Lag Screw	1/4"	1"	1 1/2"
		1/2"	2"	3"
Metal Structure	Grade 5 Hex HD. Tap Bolt	1/2 - 13	1 1/4"	N/A
	Bolt Grade 2	1/4" - 20	1/2"	N/A
Concrete/Masonry	Tapcon	1/4"	2"	1 1/4"
	Expansion anchor	1/2"	1 1/8"	4 1/2"

BOLTS INSTALLED INTO METAL STRUCTURE MUST HAVE WASHERS, LOCKWASHER AND NUTS.

ACURLITE STRUCTURAL SKYLIGHTS
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SECURE SERIES FLUSH GLAZED FIXED SKYLIGHT
LARGE MISSILE IMPACT – HVHZ
INSTALLATION DETAILS

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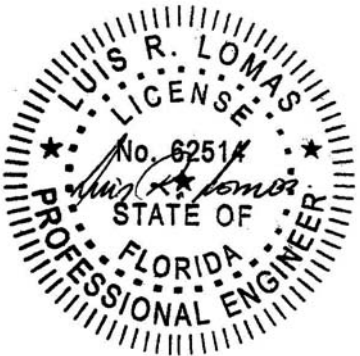
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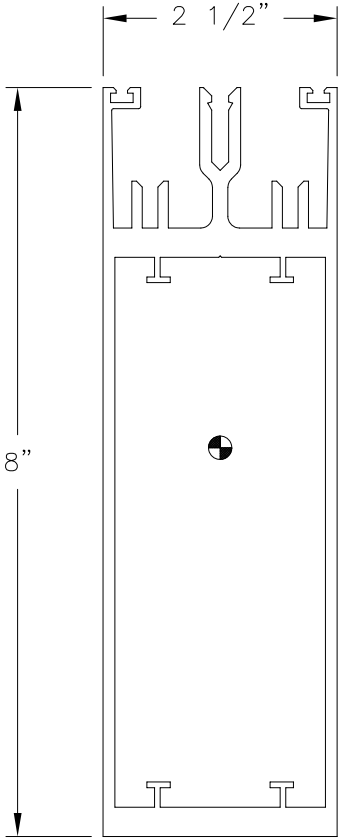
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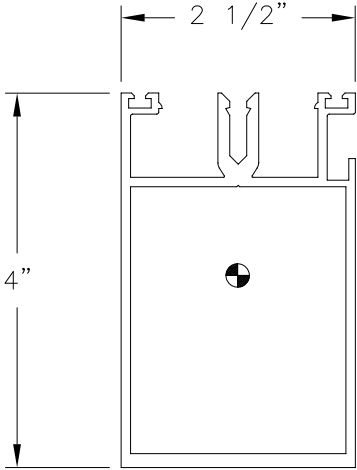


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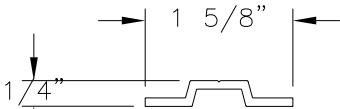
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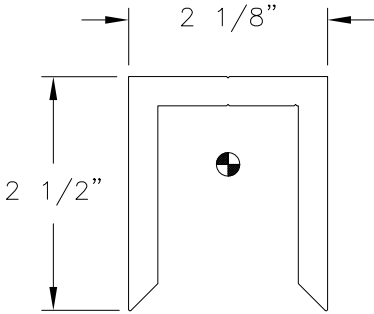
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ALUMINUM 6063-T6



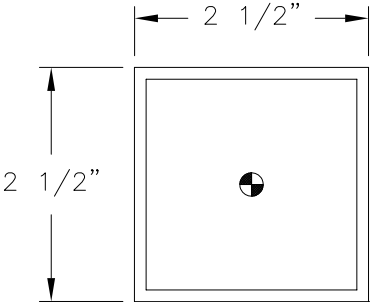
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ALUMINUM 6063-T6



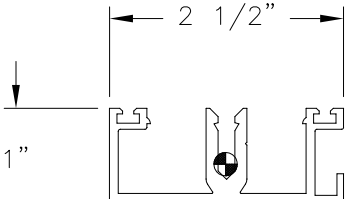
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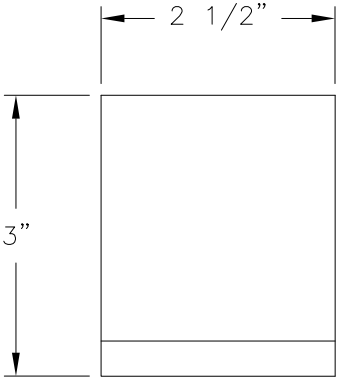
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ALUMINUM 6063-T6



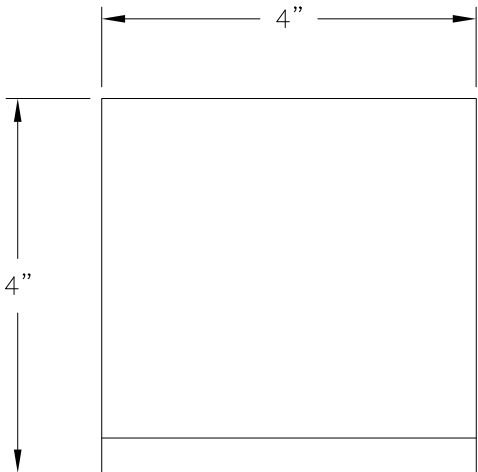
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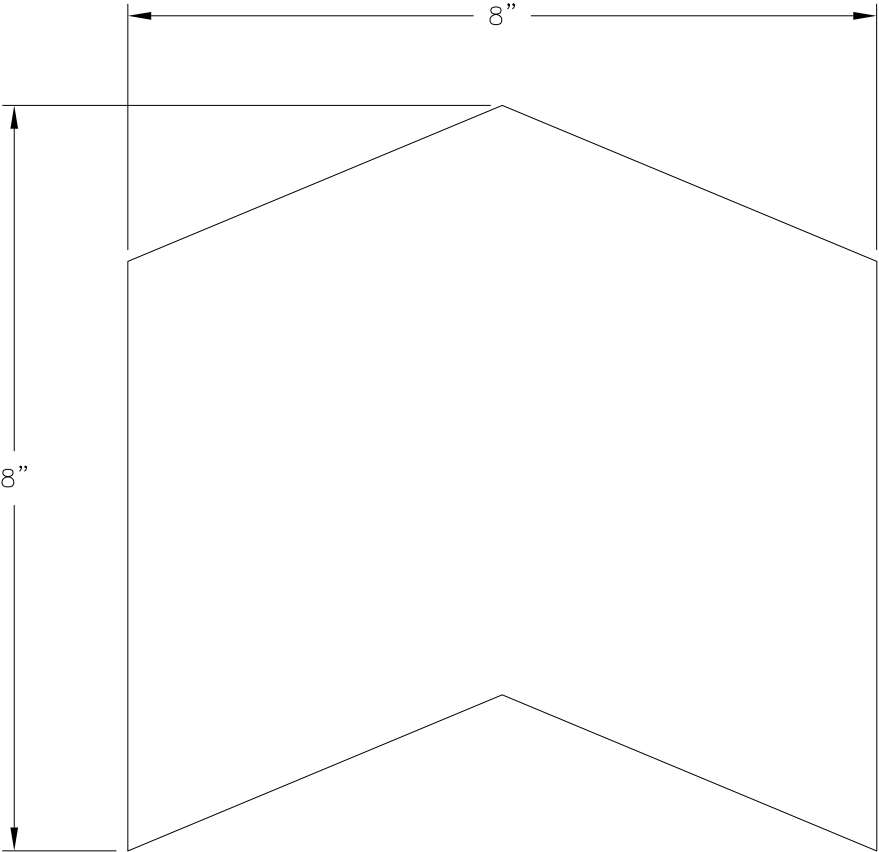
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ALUMINUM 6063-T6



STRUCTURAL ANGLE
ALUMINUM 6061-T6



STRUCTURAL ANGLE
ALUMINUM 6061-T6



GUSSET PLATE
ALUMINUM 6061-T6

ACURLITE STRUCTURAL SKYLIGHTS
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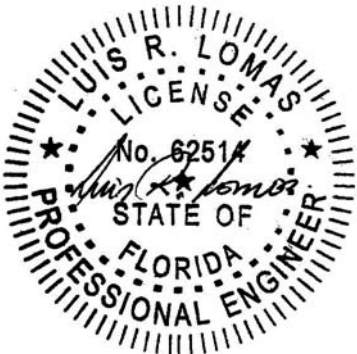
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