

NATURAL LIGHT ENERGY SYSTEMS, LLC dba KENNEDY SKYLIGHTS

SELF FLASHING - SINGLE GLAZED TUBULAR SKYLIGHTS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE (FBC) REQUIREMENTS INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) FOR WIND ZONE 4, MISSILE LEVEL D AT THE DESIGN PRESSURE(S) STATED HEREIN.
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORTS # HTL 0290-0318-02/0290-0604-02 AND ASSOCIATED LABORATORY STAMPED DRAWINGS, SIGNED AND SEALED BY VINU J. ABRAHAM, FL P.E. NO. 53820.
- THE SKYLIGHT HAS BEEN TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIRMENTS OF TAS 201, TAS 202 AND TAS 203 AS REQUIRED BY THE 9TH EDITION (2026) FLORIDA BUILDING CODE AND DOCUMENTED IN SIGNED AND SEALED TEST REPORTS # HTL 0290-0318-02/0290-0604-02 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
- PLASTIC GLAZING REQUIREMENTS PER THE 9TH EDITION (2026) FBC, HAVE BEEN EVALUATED AND ARE IN COMPLIANCE AS DOCUMENTED IN PRODUCT EVALUATION REPORT NO. 1257.
- SKYLIGHT ASSEMBLY MOUNTING REQUIREMENTS PER THE 9TH EDITION (2026) FBC HAVE BEEN EVALUATED AND ARE IN COMPLIANCE AS DOCUMENTED IN PRODUCT EVALUATION REPORT NO. 1257 AND SHOWN ON THIS PRODUCT EVALUATION DOCUMENT.
- ADEQUACY OF THE EXISTING STRUCTURAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE THE FOLLOWING:
 - IN NON-HVHZ, FURTHER ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.
 - IN HVHZ, FURTHER ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AND/OR ONE TIME APPROVAL FROM MIAMI-DADE COUNTY IS REQUIRED.
- IN HVHZ AREAS, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE HVHZ REQUIREMENTS OF THE FBC IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN. IN NON-HVHZ AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS REGIONS IS NOT REQUIRED FOR THE PRODUCT(S) HEREIN.
- DOME IS GLAZED INTO DOME RING BY FIRST APPLYING A BEAD OF GEOCELL 2300 TRIPOLYMER SEALANT INTO DOME RING AND THEN INSERTING DOME. DOME ENGAGES INTO DOME RING A MINIMUM OF 1/4 INCH.
- WHEN APPLICABLE AND IN ACCORDANCE WITH THE 9TH EDITION (2026) FBC DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM SKYLIGHT FRAMING WOOD SHALL HAVE BEEN PROTECTED.

INSTALLATION NOTES:

- INSTALL DOME RING INTO FLASHING USING #8 PH SMS WITH SUFFICIENT LENGTH (3/4" SCREWS SHOWN FOR ILLUSTRATION) FOR SCREWS TO PROTRUDE THREE THREAD PITCHES BEYOND FLASHING. LOCATE SCREWS ONE AT EACH QUARTER POINT OF DOME RING. DOME RING OVERLAPS FLASHING A MINIMUM OF 1 1/4 INCH AROUND ITS CIRCUMFERENCE.
- INSTALL FLASHING TO PREPARED ROOF DECK ASSEMBLY BY LAYING A BED OF CONTINOUS BEAD OF GEOCELL 2300 TRIPOLYMER SEALANT BETWEEN ROOF DECK AND FLASHING AND A SINGLE ROW OF #10 X 1 1/2 INCH PH SMS SPACED NO MORE THAN 8 INCHES ON CENTER AROUND THE ENTIRE CIRCUMFERENCE OF THE FLASHING.
 - MINIMUM 12 SCREWS REQUIRED FOR 21" AND 18" SKYLIGHT AND MINIMUM 10 SCREWS FOR 13" AND 10" SKYLIGHT.
 - IF MAXIMUM O.C. SPACING OF 8" CANNOT BE MAINTAINED, INCREASE QUANTITY OF FASTENERS.
 - IF MINIMUM EMBEDMENT SHOWN IN ANCHOR SCHEDULE CANNOT BE MAINTAINED USING #10 X 1 1/2" LONG SMS, SCREW LENGTH SHALL BE INCREASED.
- APPLY A BEAD OF GEOCELL 2300 TRIPOLYMER SEALANT TO EACH EXPOSED FASTENER HEAD USED IN FLASHING INSTALLATION.
- APPLY GEOCELL 2300 TRIPOLYMER SEALANT ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- IF ROOF DECKING IS LESS THAN 5/8 INCH THICK, ANCHOR SPACING MUST BE DECREASED TO 5 3/8 INCHES MAXIMUM ON CENTER AROUND THE ENTIRE PERIMETER OF THE FLASHING.
- PRODUCT ANCHORS/FASTENERS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN ON THE INSTALLATION DRAWINGS. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES INCLUDING, BUT NOT LIMITED TO SHEATHING, UNDERLAYMENT AND SHINGLES.
- ALL INSTALLATION FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING. WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE, INSTALLATION FASTENERS MUST MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHERE APPLICABLE.

ANCHOR SCHEDULE						
SUBSTRATE	TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN) ⁽²⁾	EDGE DISTANCE (IN) ⁽²⁾	ANCHOR CAPACITIES BASED ON
ALUMINUM FLASHING TO WOOD	FLAT HEAD	NO. 10	ASME B18.6.4 (TAPPING SCREW) (SMS)	1-1/4"	3/8"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42 AND 1100-0 ALUMINUM
ALUMINUM DOME RING TO ALUMINUM FLASHING	PAN HEAD	NO. 8	ASME B18.6.4 (TAPPING SCREW) (SMS)	SCREW TO PROTRUDE THREE THREAD PITCHES BEYOND FLASHING	N/A	1100-0 ALUMINUM
NOTES:						
1) PHSMS = PAN HEAD SHEET METAL SCREW						
2) FOR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 3/32" PILOT HOLE FOR NO. 10 FOR WOOD SG > 0.5.						

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
±80.0	LARGE MISSILE IMPACT

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SHEET	DESCRIPTION
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2	21" DIAMETER ELEVATIONS, SECTIONS AND ANCHOR INSTALLATION
3	18" DIAMETER ELEVATIONS, SECTIONS AND ANCHOR INSTALLATION
4	13" DIAMETER ELEVATIONS, SECTIONS AND ANCHOR INSTALLATION
5	10" DIAMETER ELEVATIONS, SECTIONS AND ANCHOR INSTALLATION

This item has been digitally signed and sealed by Robert J. Amoruso, PE on the date adjacent to the seal. Signature must be verified on any electronic copies.

Natural Light Energy Systems,
LLC dba Kennedy Skylights
5294 TOWER WAY
SANFORD, FL 32773

SELF FLASHING - SINGLE GLAZED TUBULAR SKYLIGHTS INSTALLATION DETAILS	DATE	BY	REVISION DESCRIPTION	NO.
	01/31/12	RJA	UPDATED TO 2010 FBC	A
	06/29/15	JBH	UPDATED TO 5TH EDITION (2014) FBC	B
	12/5/17	RJA	UPDATED TO 6TH EDITION (2017) FBC	C
	9/9/26	RJA	UPDATE TO 9TH EDITION (2026) FBC	D

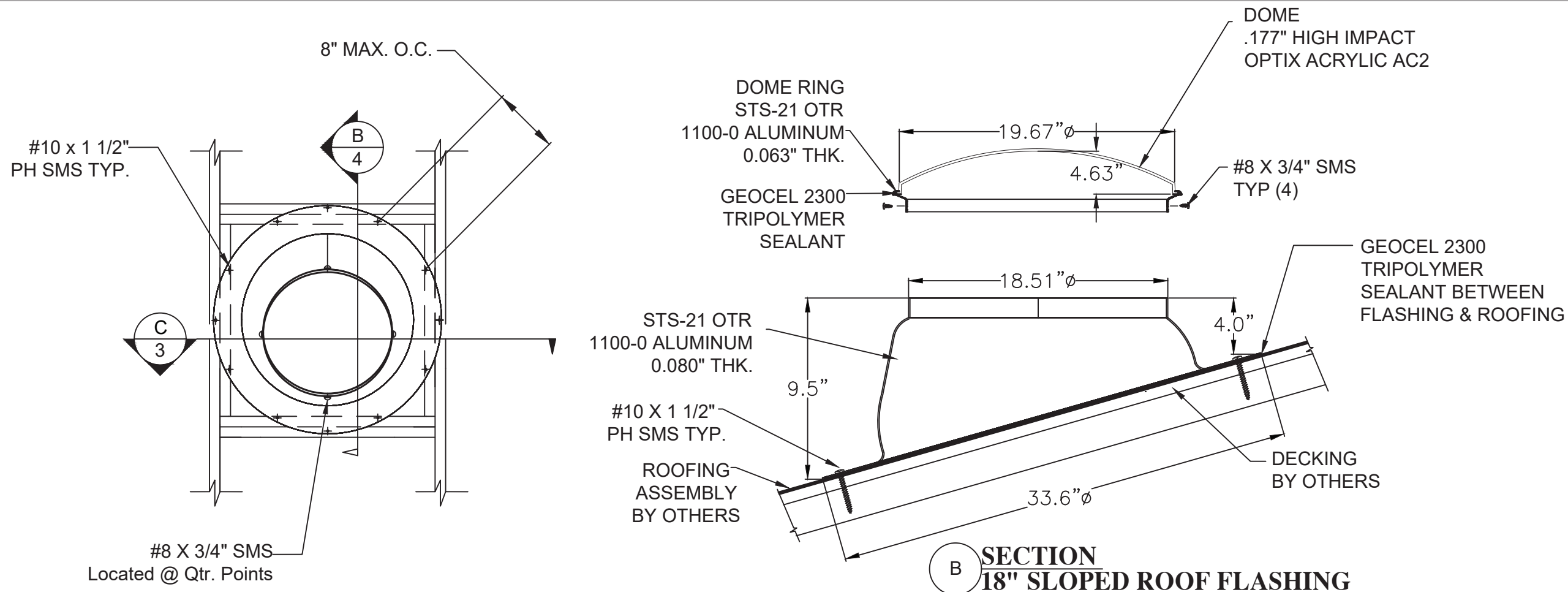
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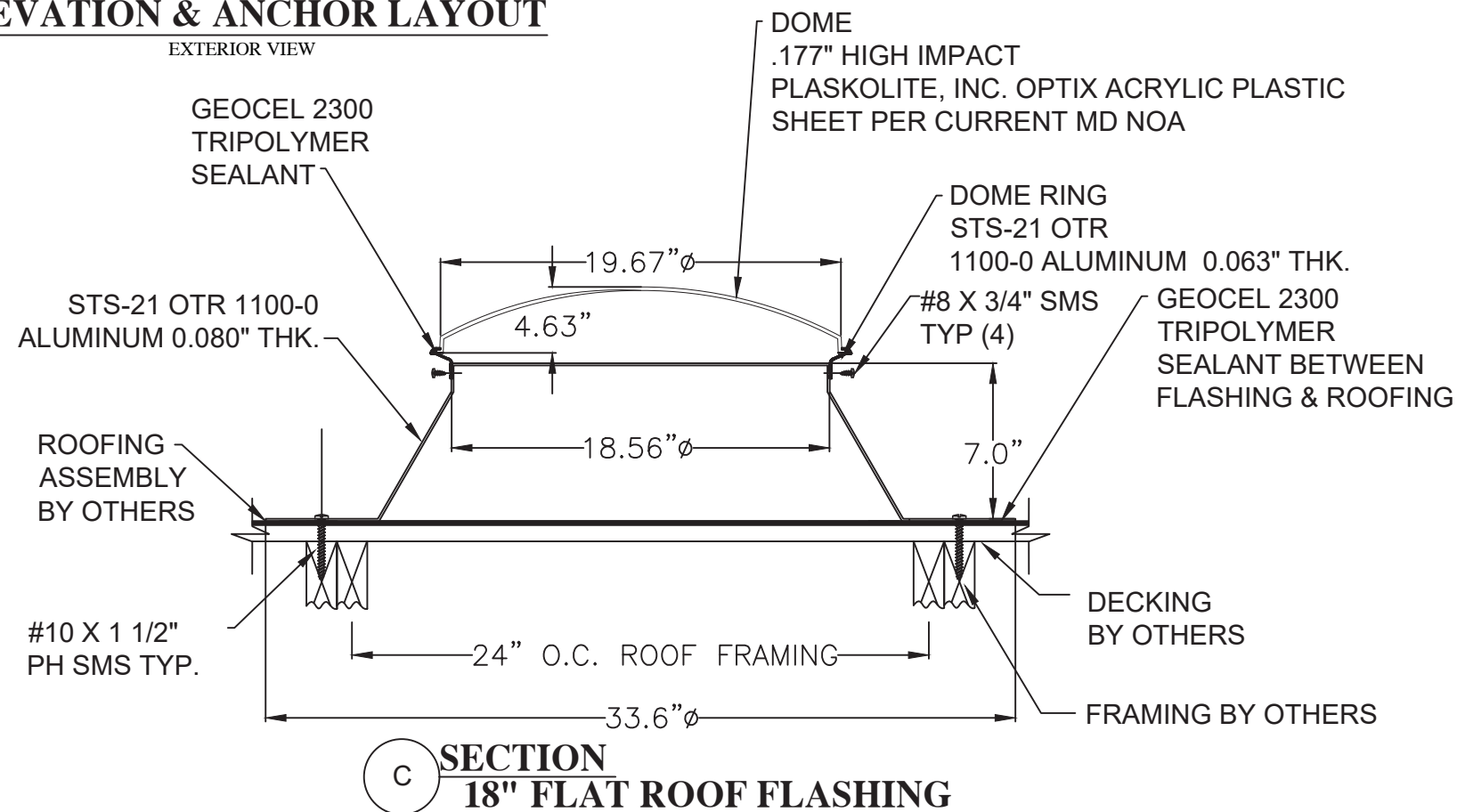


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Robert J Amoruso®
Date: 2026.09.20
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PROJECT#:	ACE-2026-102
DWG/REV:	NLES0007, Rev. D
SHT:	1 of 5



NATURAL LIGHT 18" ELEVATION & ANCHOR LAYOUT
EXTERIOR VIEW



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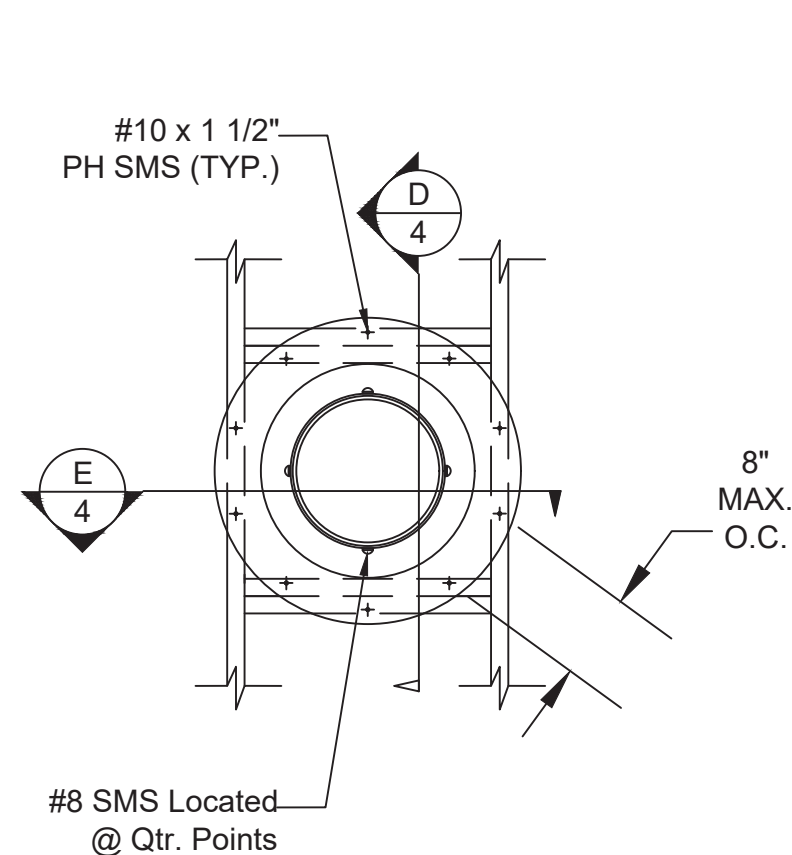
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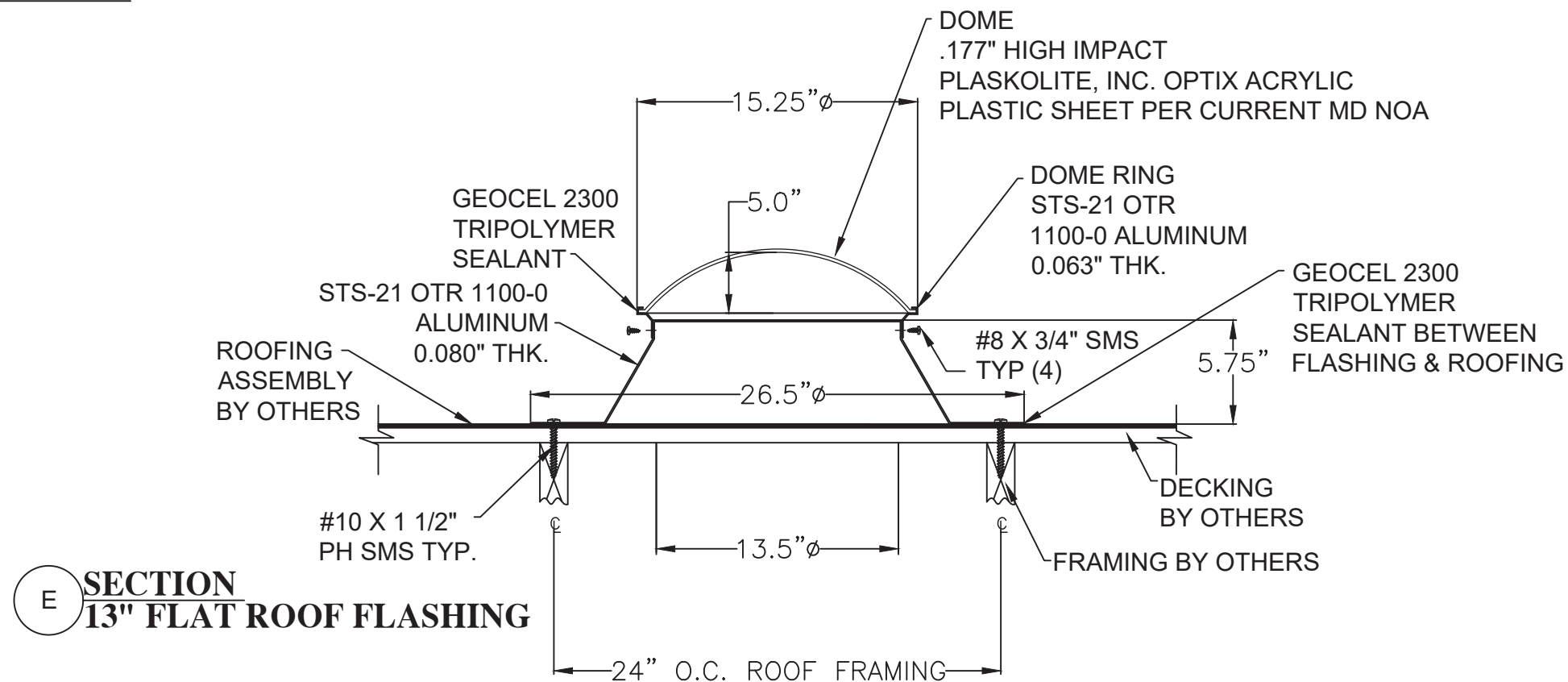
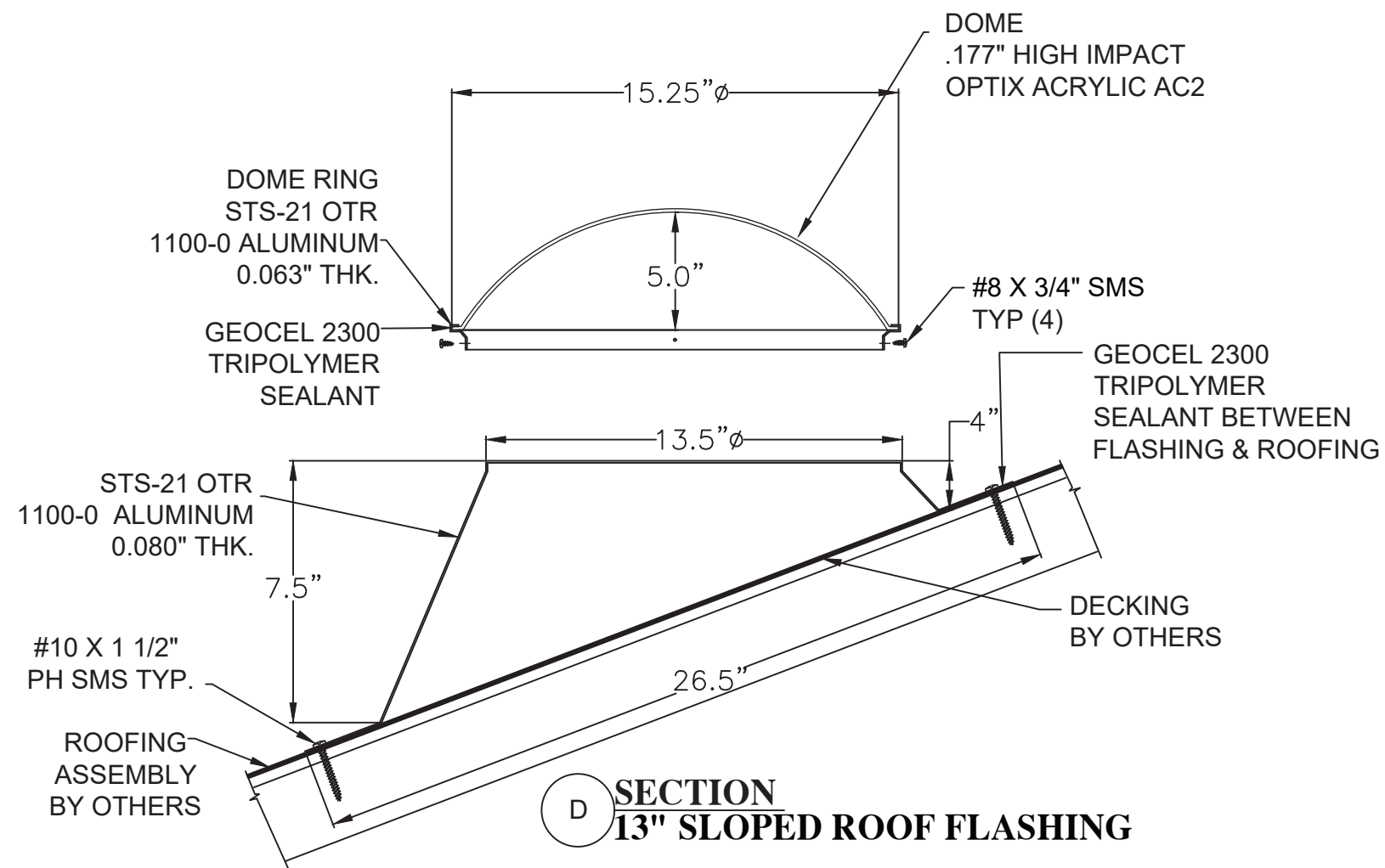


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PROJECT#: ACE-2026-102
DWG/REV: NLES0007, Rev. D
SHT: 3 of 5



NATURAL LIGHT 13"
ELEVATION & ANCHOR LAYOUT
 EXTERIOR VIEW



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SELF FLASHING - SINGLE GLAZED TUBULAR SKYLIGHTS INSTALLATION DETAILS				
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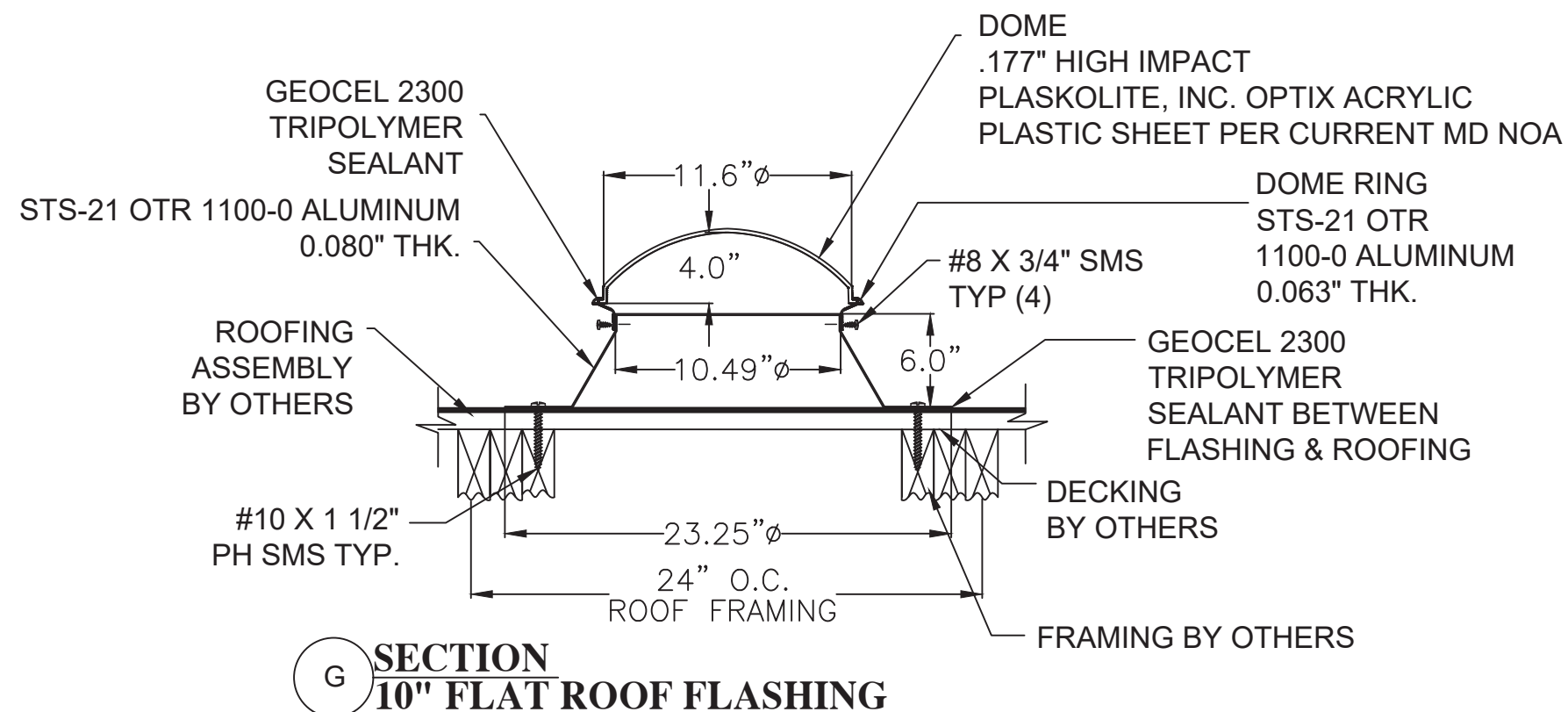
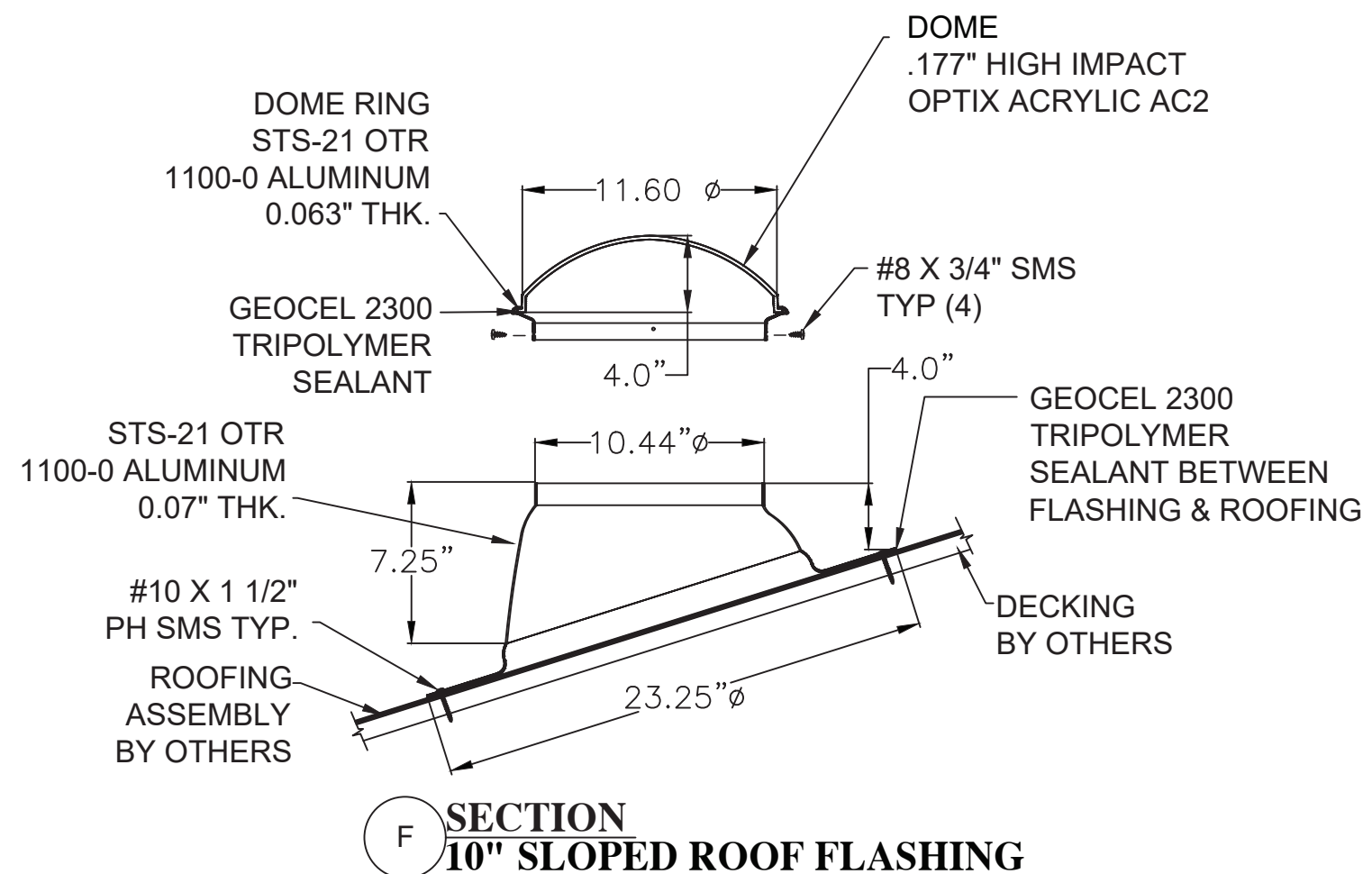
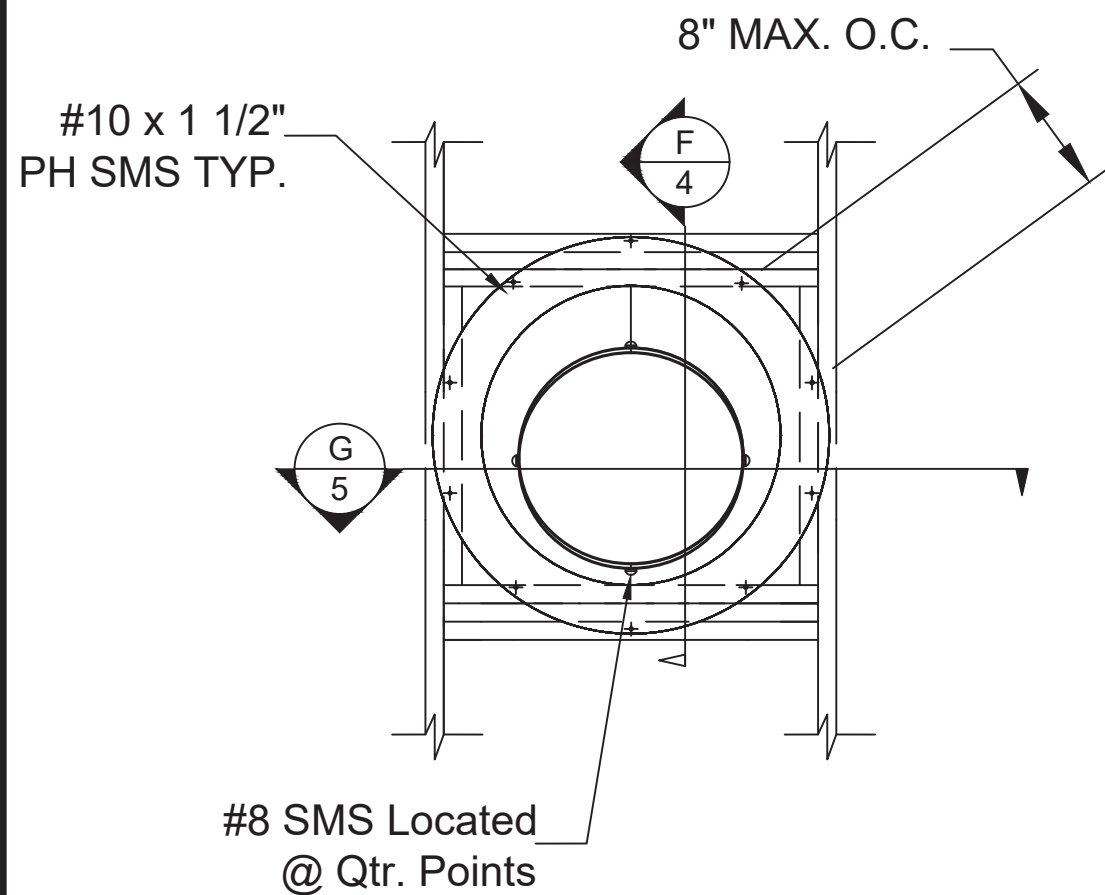
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