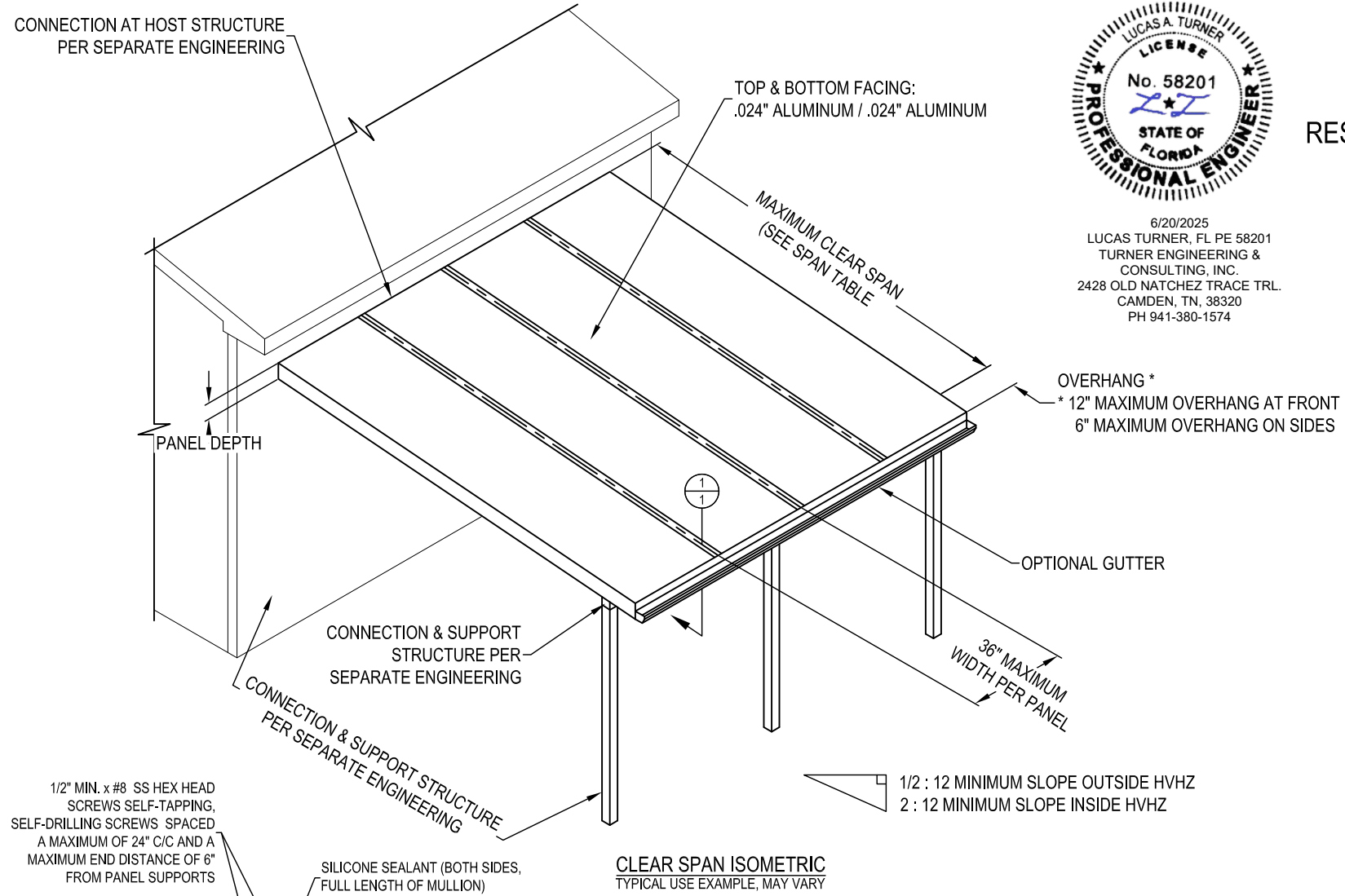
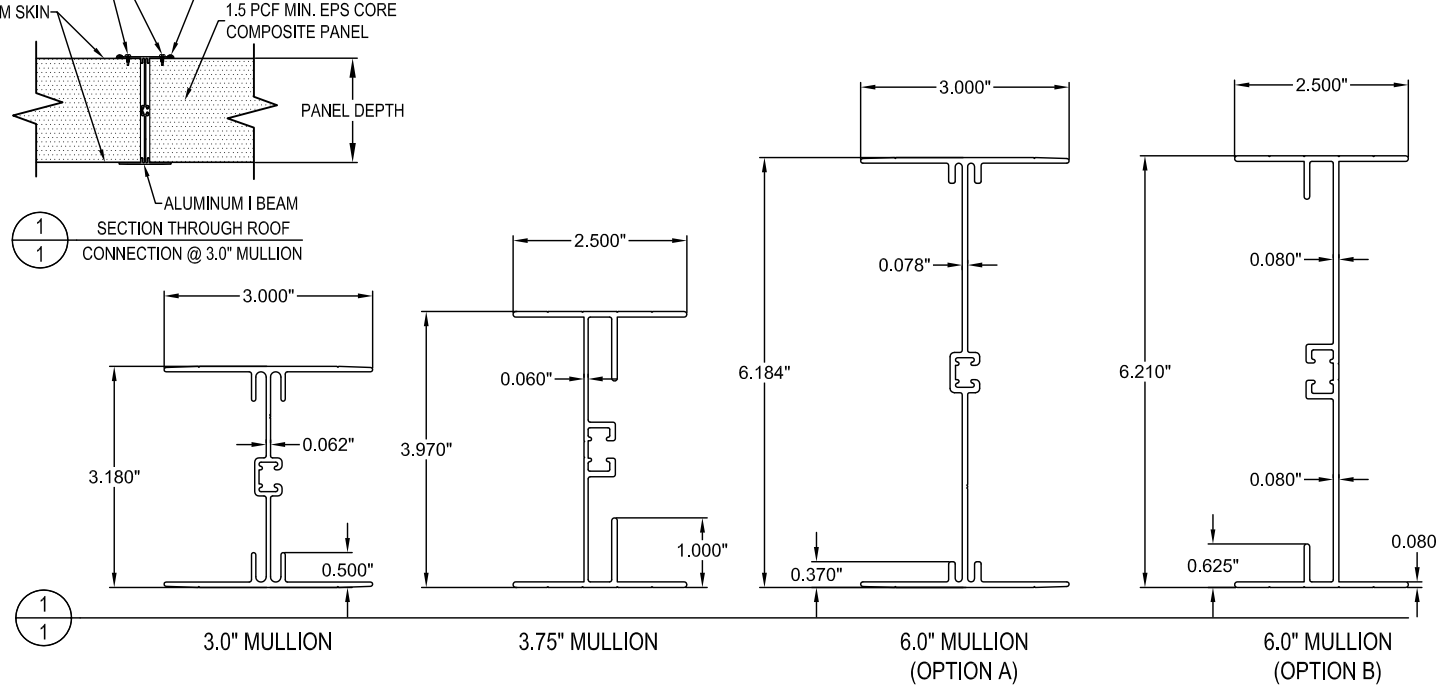


EPS FOAM CORE COMPOSITE ROOF PANELS 3", 3.75" & 6" WITH ALUMINUM SKIN
FOR USE IN PATIO COVER / NONHABITABLE APPLICATIONS. NOT RATED FOR IMPACT RESISTANCE,
VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN)
NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE
RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION

- DESIGN NOTES:
- POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE 8th EDITION FLORIDA BUILDING CODE (2023) OR THE CURRENT VERSION OF THE FLORIDA RESIDENTIAL CODE, INTERNATIONAL BUILDING CODE OR INTERNATIONAL RESIDENTIAL CODE AS APPLICABLE FOR THE JURISDICTION. CLEAR SPAN TABLE PROVIDED IS CALCULATED BASED ON LIVE LOAD AND/OR POSITIVE WINDLOAD + DEADLOAD COMBINATIONS (THEREFORE TABLE IS CONSERVATIVE FOR UPLIFT WINDLOADS). TABLE IS NOT APPLICABLE TO SNOW LOADS.
 - SEPARATE "SITE-SPECIFIC" SEALED ENGINEERING SHALL BE REQUIRED IN ORDER TO DEVIATE FROM LOADS, DEFLECTIONS, OR SPANS CONTAINED HEREIN. LINEAR INTERPOLATION OF THE ALLOWABLE SPAN TABLES LISTED HEREIN SHALL NOT BE PERMITTED. CONTACT GDI FOR ALTERNATE SPAN CALCULATIONS AS MAY BE REQUIRED.
 - EPS CORE COMPOSITE PANELS SHALL BE CONSTRUCTED USING TYPE 3105-H254 ALUMINUM FACINGS, WITH 1.5 PCF MIN. EXPANDED POLYSTYRENE FOAM CORE CONFORMING TO ASTM C78 TYPE II. THE ALUMINUM FACING SHALL BE ADHERED TO THE FOAM CORE WITH DUPONT BETAFUSE 647 ADHESIVE. FABRICATION SHALL BE ACCORDANCE WITH APPROVED FABRICATION METHODS BY MANUFACTURER FOR ALL PANELS. REFER TO MANUFACTURER SPECS FOR MORE INFORMATION.
 - EPS PANEL PERFORMANCE CHARACTERISTICS FOR SELF IGNITION, FLAME SPREAD AND SMOKE DENSITY HAVE BEEN QUALIFIED THROUGH APPLICABLE ASTM TEST STANDARDS AND SHALL BE PROVIDED BY THE MANUFACTURER AS REQUIRED.
 - THE PANELS SHALL BE INTERCONNECTED ALONG THEIR LONGITUDINAL EDGES WITH ALUMINUM MULLIONS AS SHOWN HERE IN, CONSTRUCTED OF EXTRUDED 6065-T6 ALUMINUM ALLOY COMPLYING WITH ASTM B221, ATTACHED TO THE PANELS ALONG THEIR TOP FLANGES AS SHOWN HERE IN, WITH #8 HEX HEAD, SELF-TAPPING, SELF-DRILLING SCREWS SPACED A MAXIMUM OF 24" C/C AND A MAXIMUM END DISTANCE OF 6" FROM PANEL SUPPORTS
 - DESIGN PRESSURES AS NOTED HEREIN ARE BASED ON A MAXIMUM TESTED PRESSURE DIVIDED BY A 2.0 FACTOR OF SAFETY. FOR ALTERNATIVE SAFETY FACTORS, SPANS SHALL BE ADJUSTED ACCORDINGLY.

- GENERAL NOTES:
- THIS SPECIFICATION HAS BEEN DESIGNED AND PRODUCT SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 8th EDITION FLORIDA BUILDING CODE (2023).
 - FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
 - CONTRACTOR SHALL INVESTIGATE AND CONFIRM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC SEALED ENGINEERING.
 - THE ARCHITECT / ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING STRUCTURES AND SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.
 - THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT. THIS DOCUMENT ALONE IS NOT INTENDED FOR PERMIT.
 - THE CONTRACTOR SHALL CAREFULLY CONSIDER POSSIBLE IMPOSING LOADS ON ROOF, INCLUDING BUT NOT LIMITED TO PONDING AND ANY CONCENTRATED LOADS WHICH MAY JUSTIFY GREATER DESIGN CRITERIA. THIS ADDITIONAL ROOF LOAD CRITERIA SHALL BE PROPERLY ANALYZED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.
 - THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
 - ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et, al. INDEMNIFIES & SAVES HARMLESS
 - EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
 - ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATES THIS CERTIFICATION.



COMPOSITE ROOF PANEL ALLOWABLE CLEAR SPAN TABLE												
NET ALLOWABLE LOAD (ASD)	3" PANEL				3.75" PANEL				6" PANEL			
	DEFLECTION LIMIT				DEFLECTION LIMIT				DEFLECTION LIMIT			
	L/80	L/120	L/180	L/240	L/80	L/120	L/180	L/240	L/80	L/120	L/180	L/240
+ / - 10 psf	19'- 0"	18'- 7"	16'- 1"	14'- 5"	21'- 0"	21'- 0"	18'- 10"	16'- 10"	23'- 0"	23'- 0"	23'- 0"	22'- 11"
+ / - 15 psf	18'- 8"	16'- 4"	14'- 1"	12'- 8"	21'- 0"	19'- 2"	16'- 4"	14'- 8"	23'- 0"	23'- 0"	22'- 5"	20'- 1"
+ / - 20 psf	16'- 4"	14'- 10"	12'- 9"	11'- 4"	19'- 11"	17'- 4"	14'- 10"	13'- 2"	23'- 0"	23'- 0"	20'- 4"	18'- 1"
+ / - 25 psf	14'- 8"	13'- 8"	11'- 9"	10'- 6"	17'- 11"	16'- 0"	13'- 7"	12'- 1"	21'- 5"	21'- 5"	18'- 9"	16'- 9"
+ / - 30 psf	13'- 5"	12'- 10"	11'- 0"	9'- 9"	16'- 6"	14'- 11"	12'- 8"	11'- 3"	19'- 8"	19'- 8"	17'- 7"	15'- 8"
+ / - 35 psf	12'- 6"	12'- 2"	10'- 4"	9'- 3"	15'- 4"	14'- 2"	11'- 11"	10'- 6"	18'- 3"	18'- 3"	16'- 7"	14'- 9"
+ / - 40 psf	11'- 9"	11'- 7"	9'- 10"	8'- 9"	14'- 4"	13'- 4"	11'- 3"	9'- 11"	17'- 2"	17'- 2"	15'- 9"	13'- 11"
+ / - 45 psf	11'- 1"	11'- 1"	9'- 3"	8'- 4"	13'- 7"	12'- 9"	10'- 9"	9'- 5"	16'- 2"	16'- 2"	15'- 1"	13'- 3"
+ / - 50 psf	10'- 7"	10'- 7"	9'- 0"	7'- 11"	12'- 11"	12'- 3"	10'- 3"	9'- 0"	15'- 5"	15'- 5"	14'- 5"	12'- 8"
+ / - 55 psf	10'- 1"	10'- 1"	8'- 8"	7'- 8"	12'- 4"	11'- 9"	9'- 10"	8'- 7"	14'- 8"	14'- 8"	13'- 10"	12'- 2"
+ / - 60 psf	9'- 8"	9'- 8"	8'- 4"	7'- 4"	11'- 9"	11'- 4"	9'- 5"	8'- 3"	14'- 1"	14'- 1"	13'- 4"	11'- 8"
+ / - 70 psf	8'- 11"	8'- 11"	7'- 10"	6'- 10"	10'- 6"	10'- 6"	8'- 10"	7'- 7"	13'- 1"	13'- 1"	12'- 6"	10'- 11"
+ / - 80 psf	8'- 4"	8'- 4"	7'- 4"	6'- 5"	9'- 2"	9'- 2"	8'- 3"	7'- 1"	12'- 3"	12'- 3"	11'- 9"	10'- 3"