

PANEL PROPERTIES						
Panel Gauge	Painted Panel Thickness	Yield Strength*	Tensile Strength*	Elongation*	Steel Coating*	Paint Coatings*
24	0.024"	50 KSI	65 KSI	26.5	AZ 55	Kynar 500
* Conform to ASTM A792 Structural Quality Grade 50						

NOTES:

- This structural Roof panel system has been designed in accordance with Florida Building Code. The design pressures as determined from section 1620 and ASCE 7-...
- The 24 Ga. Super Span X Roof panels shall be used for roof construction only. The actual roof project shall be constructed using the same details shown on these drawings including:
 - Details, all panel material characteristics and section with dimension and thickness.
 - Erection details including all connection fasteners with size and location.
 - Panel maximum span and pressure for the field, perimeters and corners based on panel allowables shown below.
- The maximum allowable spans and uplift pressures for the Super Span X steel roof panel in the roof's field, perimeter, and corner zones shall be based on the following panel allowable values (use smallest span for the given pressure)
 - Maximum allowable bending moment of the panel at supports = 114.22 ft-lbs.
 - Maximum allowable bending moment of the panel between supports = 82.33 ft-lbs.
 - El value of panel = 1,160,547.0 lbs-in²
 - Maximum allowable deflection for roof panels = L/240.
 - Maximum interior support reaction = 198.00 Lbs.
 - Maximum exterior support reaction = 83.83 Lbs.
- All panel submembers shall be minimum 16 gauge (.056"). They are not part of this approval and they shall be reviewed structurally by the structural plans examiner of the corresponding building department for each job.
- Maximum allowable panel span = 5'-0".



MEMBER SCREW FOR PANEL SUPPORTS
 #12-14 x 1-1/4" Zinc Hex Head "HTZ" #2 Pt. with 0.58" O.D. Seal Integral Washer, By Buildex.



STICH SCREW FOR PANEL SIDE LAPS
 1/4" -14 x 7/8" Zinc Hex Head "HTZ" with 0.58" O.D. Seal Integral Washer, By Buildex.



1" x 3/32" Butyl Tape



7/8" x 3/16" Butyl Tape



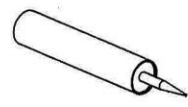
2-1/2" x 3/16" Tri-Bead Butyl Tape



Super Span X Inside (CS29R) Closures by Guardian



Super Span X Outside (CS28R) Closures by Guardian



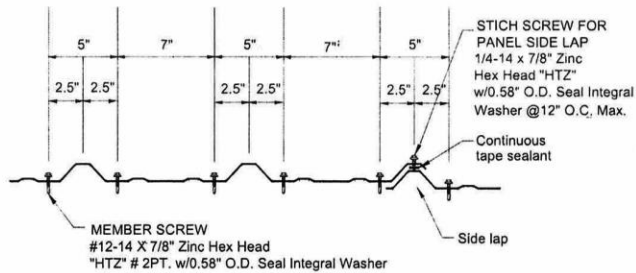
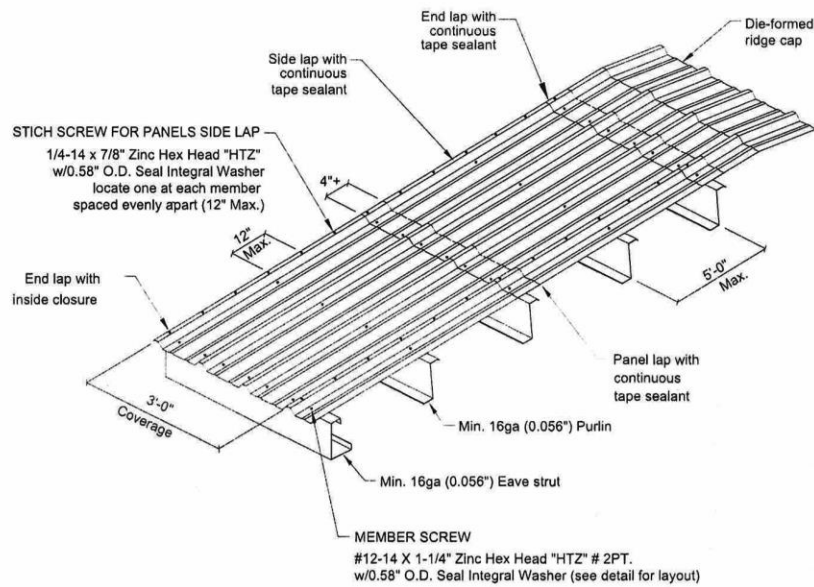
SM5522 Acryl-R Acrylic Sealant

TITLE: " Super Span X, 24 Ga., Steel Roof Panel System"

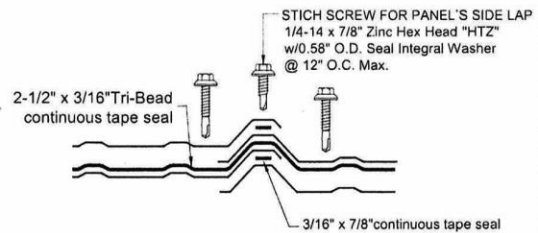


Whirlwind Steel Buildings, Inc.
 8234 Hansen Road
 Houston, TX 77075

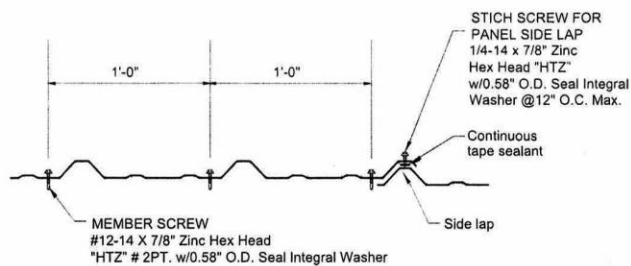
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DRAWN BY:	yd
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DETAIL AT END LAP AND PANEL LAP



TAPE SEALANT AT END LAP AND PANEL LAP



DETAIL AT REMAINING SUPPORTS @ 5'-0" O.C. MAX.

NOTES:

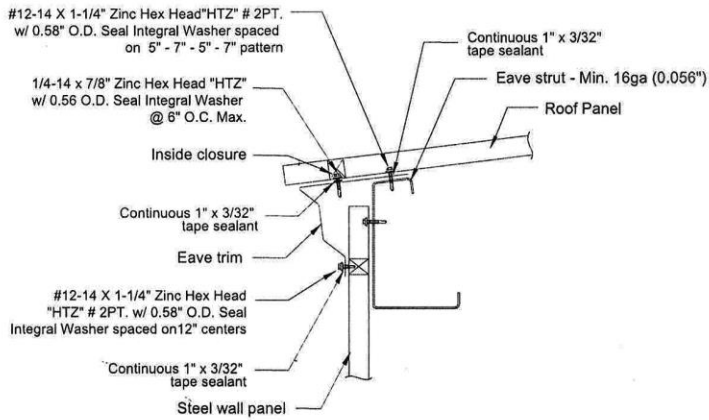
1. All end laps must be a minimum of 6"
2. Metal shavings must be swept from the roof each day during erection to prevent surface rusting.
3. Tape sealant must be applied with no breaks or gaps.
4. Member screws are used to attach the panel to the structurals. Stich screws are used at the panel to panel attachments. These fasteners may be self-drilling or self-tapping.

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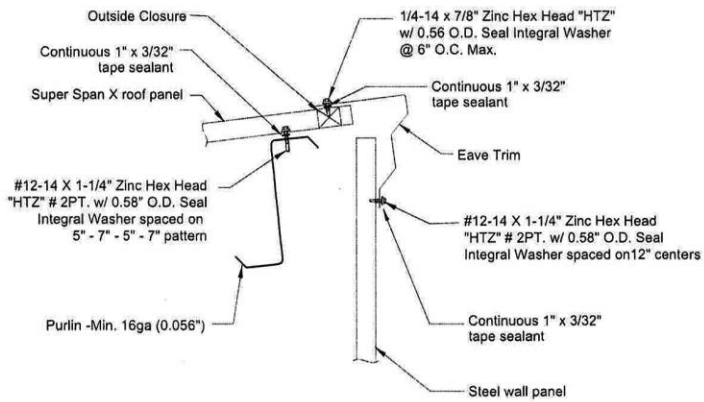


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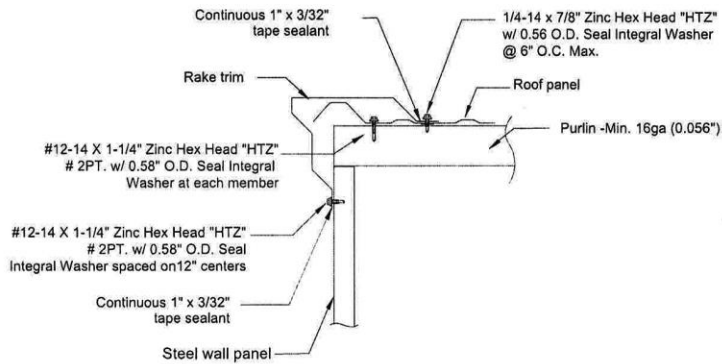
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EAVE DETAIL



HIGH EAVE DETAIL



RAKE DETAIL

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