



SHED ROOF

TYPICAL FRONT WALL CONNECTION DETAILS

TYPICAL SIDE WALL CONNECTION DETAILS

Fastener Qty/Spacing	Panel Span
F1 1/4" Dia. Screw @ 24" Embed	12' 2" 14' 2" 16' 2"
F2 1/4" Dia. Screw @ 24" Embed	12' 2" 14' 2" 16' 2"
F3 1/4" Dia. Screw @ 24" Embed	12' 2" 14' 2" 16' 2"
F4 1/4" Dia. Screw @ 24" Embed	12' 2" 14' 2" 16' 2"

NOTES FOR STUDIO ENCLOSURE CONNECTIONS

- TYPICAL CONNECTION DETAILS FOR ALUMINUM STUDIO ENCLOSURE WITH ROOF PANEL SPANS OF UP TO 18 FEET.
- DESIGN LOADS BASED ON ASCE 7-05, 50 MPH WIND SPEED, EXPOSURE B CONDITIONS AND 40 PSF UNIFORM GROUND SNOW LOAD.
- STRUCTURAL MEMBERS SHALL CONFORM TO CBM SPECIFICATIONS.
- ALL ROOF PANELS TO BE ANCHORED TO HEADER SUPPORT BEAM USING MINIMUM 2" WIDTH CBM SILICONE SEALANT.
- WHERE REQUIRED, APPLY CBM SILICONE SEALANT ONLY TO SURFACES CLEANED USING ALCOHOL.
- ALL ROOF PANELS UP TO 14 FT TO BE INSTALLED WITH H₆ BETWEEN PANELS AND ANCHORED USING EITHER 4-#8x2 1/2" SDS (MIN.) @ 24" O.C. FASTENED UP THROUGH HEADER ARM INTO EACH 1/4" OR 1/4"x1/2" LAG SCREW (MIN.) WITH 3/8"x3/8" AL PLATE/WASHER @ 24" O.C. FASTENED DOWN THROUGH PANELS AND EMBEDDED 2" (MIN.) INTO AL HEADER SUPPORT BEAM.
- ALL ROOF PANELS WITH SPANS GREATER THAN 14 FT TO BE INSTALLED WITH H₆ BETWEEN PANELS AND ANCHORED USING BOTH 4-#8x2 1/2" SDS (MIN.) @ 24" O.C. FASTENED UP THROUGH HEADER ARM INTO EACH 1/4" AND 1/4"x1/2" LAG SCREW (MIN.) WITH 3/8"x3/8" AL PLATE/WASHER @ 24" O.C. FASTENED DOWN THROUGH PANELS AND EMBEDDED 2" (MIN.) INTO AL HEADER SUPPORT BEAM.
- SPACING OF #8x2 1/2" SDS @ 18" IN DETAIL 115-B MAY BE INCREASED TO 24" O.C. IF SPACING OF #12x1 1/2" LAG @ 24" (OPT. 2) IS REDUCED TO 18" O.C.
- SPACE COLLUMS IN LOAD-BEARING WALLS NO FURTHER THAN 57" APART.
- SPACE FASTENERS AT LEAST 2x FASTENER DIAMETER FROM ADJACENT FASTENERS AND/OR EDGES.
- REPLACE ALL OVERDRIVEN FASTENERS.
- USE AAMA RATED FENESTRATION PRODUCTS PER LOCAL CODES.
- WHERE USED, ASSUME CONCRETE TO HAVE STRENGTH GREATER THAN 2,500 PSI.
- MITER ALL FLOOR CHANNELS AT CORNERS (OR EQUIVALENT).
- NOTCH AND PROPERLY FASTEN HEADER SUPPORT BEAM AND CORNER POST.
- ALL STRUCTURAL COLUMNS TO BE CONTINUOUS FROM FLOOR TO ROOF HEADER.
- ALLOWABLE STRESS IN AL CONNECTIONS INCREASED BY 30% FOR WIND LOADING PER AL ASSOCIATION SPECS.