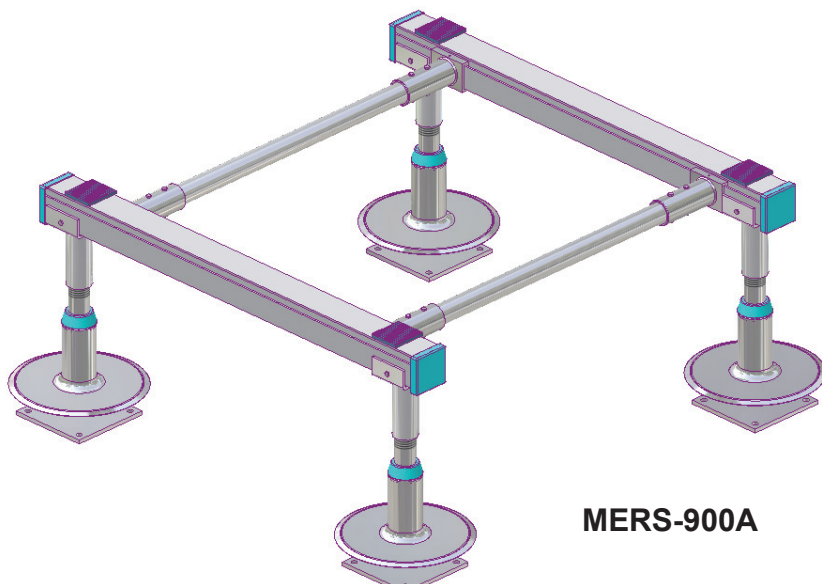
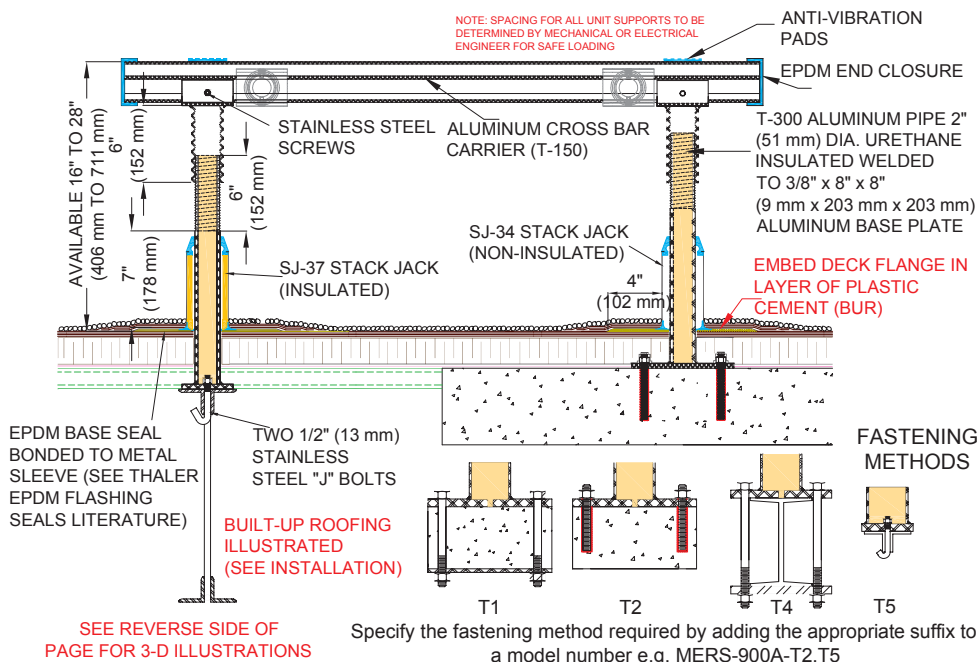




MERS-900A



MERS-900A AIR HANDLING UNIT SUPPORT (Small Units)

PATENTED

INSTALLATION

"Installation Instructions" are provided with every Thaler product. Essentially, the Thaler MERS-900A Duct Support is installed at required centres by fastening the aluminum mounting plate to the structural roof deck, placing the flashing sleeve over the support and roof membrane, installing the cross-bar carrier and pipe section reinforcing ties, and as follows:

BUR: Set flashing deck flange in layer of plastic cement and flash in with 3 overlapping layers of felt flashing.

ModBit: Torch membrane until bitumen is fluid and set flashing deck flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer. Do not overheat (melt) EPDM Base Seal.

Single Ply: Set flashing deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to STACK JACK Flashing. Note: for PVC membrane, specify PVC coated aluminum, etc. STACK JACK by adding suffix P to the end of model number, e.g. MERS-900A-A-P; weld roofing to deck flange using PVC torch.

Precautions: Apply an asphaltic or other type protective coating to aluminum STACK JACK Flashing to a height of 2" (51 mm) above a limestone ballast to avoid corrosive reaction. Also, if coating deck flange with bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Cross-Bar Carrier Assembly: Thread hollow aluminum upper supports onto lower support legs, install cross-bar carriers and pipe section reinforcing ties, and place air handling unit (by others) on carriers.

Ordering and Availability: Specify flashing material required by adding appropriate suffix to model number e.g. MERS-900A-A, for aluminum, etc. Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

ROOF SPECIALTIES MERS-900A AIR HANDLING UNIT ROOF SUPPORT (Small Units)

DESCRIPTION

Thaler MERS-900A Air Handling Unit Support consists of two pairs of round, urethane insulated, hollow section 6061-T6 aluminum supports with threaded leg assembly for vertical adjustment and mounting plate, mounting hardware (adhesive type supplied by others), and cross-bar carrier with EPDM end caps and EPDM anti-vibration pads. Two 1-1/2" (38 mm) diameter pipe sections tie the two pairs of supports together for added strength. Urethane insulated STACK JACK flashings available in aluminum, copper, or stainless steel, with EPDM Triple Pressure Grommet Seal at the top of the flashing and EPDM Base Seal, complete the supports.

Support Spacing: To be determined by mechanical or electrical engineer for safe loading.

Prominent Features: Threaded leg assembly provides up to 4" (102 mm) vertical adjustment. Light weight, strong-as-steel and non corrosive. Maintenance free (EPDM flashing seals never need caulking. See Thaler EPDM Flashing Seals literature).

Options: See Section A of manual for STACK JACK Flashing options.

RECOMMENDED USE

Suitable for all flat roofs as an air handling unit support. Ultimate bearing load is 7350 lbs. (3334 kg) per leg; apply appropriate safety factor.

WARRANTY

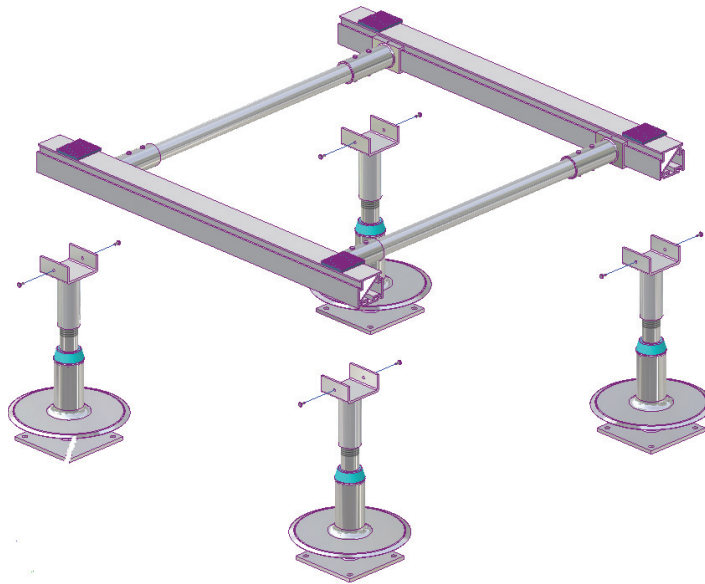
20 year warranty against **leaks, condensation and defects** in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Copy of Warranty Certificate available upon request.

MAINTENANCE

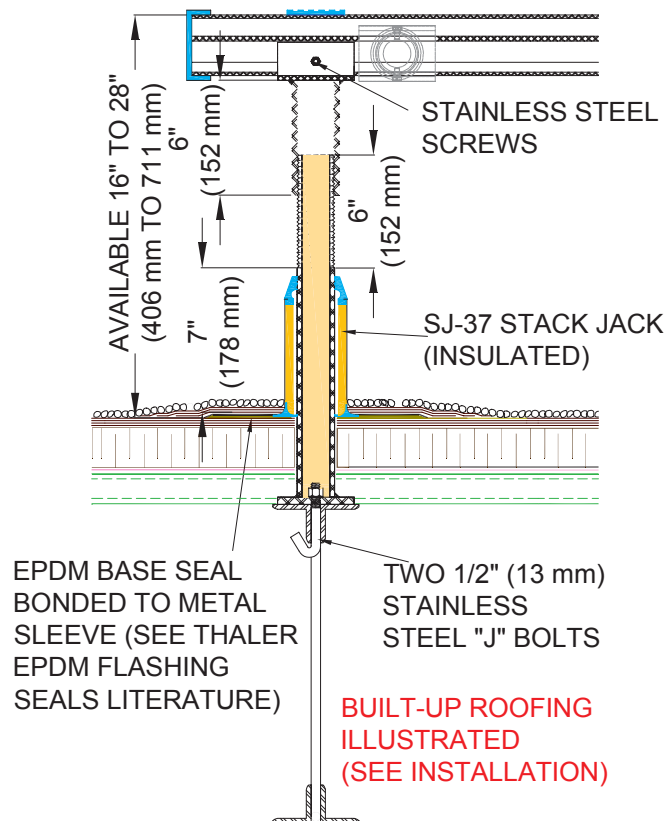
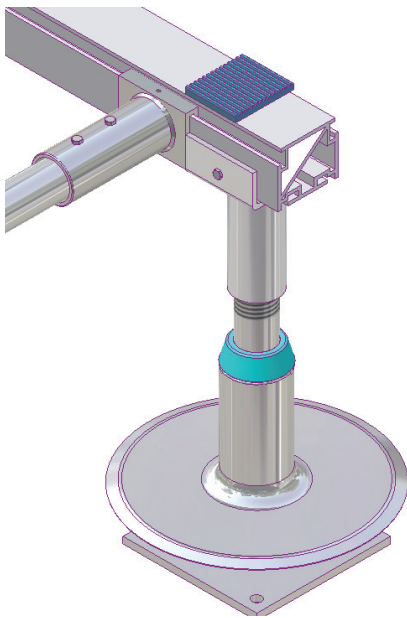
No maintenance required (maintenance free).

SPECIFICATION (Short Form)

Air handling unit supports: Thaler MERS-900A, 16" to 28" (406 mm to 711 mm) high adjustable height 6061-T6 hollow aluminum with mill finish, urethane insulated supports, 2" (51 mm) dia., with appropriate hardware (adhesive type supplied by others) for fastening to structural roof deck, and cross-bar carrier of length to suit application with EPDM end caps, EPDM anti-vibration pads and 1-1/2" (38 mm) dia. pipe section reinforcing ties; [SJ-34, non-insulated New-Standard STACK JACK flashing for concrete deck] [SJ-37 pre-insulated, New-Standard STACK JACK flashing for steel deck] 7" (178 mm) high consisting of [.064" (1.6 mm) mill finish 1100-OT alloy aluminum] [.032" (0.831 mm) 24 oz. copper] [.031" (0.79 mm) 22 ga. Type 304 stainless steel], 2" (51 mm) dia. to CSA B272-93 with EPDM Triple Pressure Grommet Seal and EPDM Base Seal and [PVC coated deck flange] [bituminous painted deck flange]; manufactured by Thaler Metal Industries, 1-800-387-7217 (Mississauga, Ontario, Canada) or 1-800-576-1200 (New Braunfels, TX), installed as per manufacturer's written instructions. Provide 20 year warranty against leaks, condensation and defects in materials and/or manufacture.



EXPLODED VIEW



TYPICAL MERS-900 ALUMINUM A/C UNIT SUPPORT (LARGE SCALE DETAIL)