

ARS-680 CROSS-OVER STAIR & ROOF SUPPORTS

DESCRIPTION

Thaler ARS-680 Cross-Over Stair & Roof Supports consist of an all-aluminum stair, walkway platform and safety rail system supported on urethane insulated adjustable aluminum legs. A urethane insulated flashing available in aluminum, copper or stainless steel, with EPDM Base Seal, completes the assembly.

Height, Length and Width: Walkway platform height is available up to 6'-0" (1830 mm) height; consult Thaler if higher platform is required. Standard platform length ranges from 3'-0" to 20'-0" (915 mm to 6096 mm) in any increment, and width is 40" (1016 mm) from centre to centre of the aluminum stringers.

Prominent Features: Supplied as complete product for easy site assembly. Skidproof treads and walkway. Insulated supports are condensation free (no corrosion). Maintenance free (flashings never need caulking). Threaded leg assembly provides up to 4" (102 mm) vertical adjustment for levelling if necessary.

Options: Flashing material (see Thaler STACK JACK Flashing literature). PVC coated flashing deck flange for PVC roof membrane. Bituminous painted flashing deck flange for BUR and ModBit roof membrane. Can be combined with ARS-100A Floating Walkway Roof Supports, ARS-102A Fire Route Walkway Roof Supports, and ARS-115 Rail Post Roof Supports.

RECOMMENDED USE

Suitable for all flat roofs for safely crossing over large pathway obstructions such as ductwork or other mechanical equipment, changes in roof level, skylights, roof walls, penthouse enclosures, and similar impediments.

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.

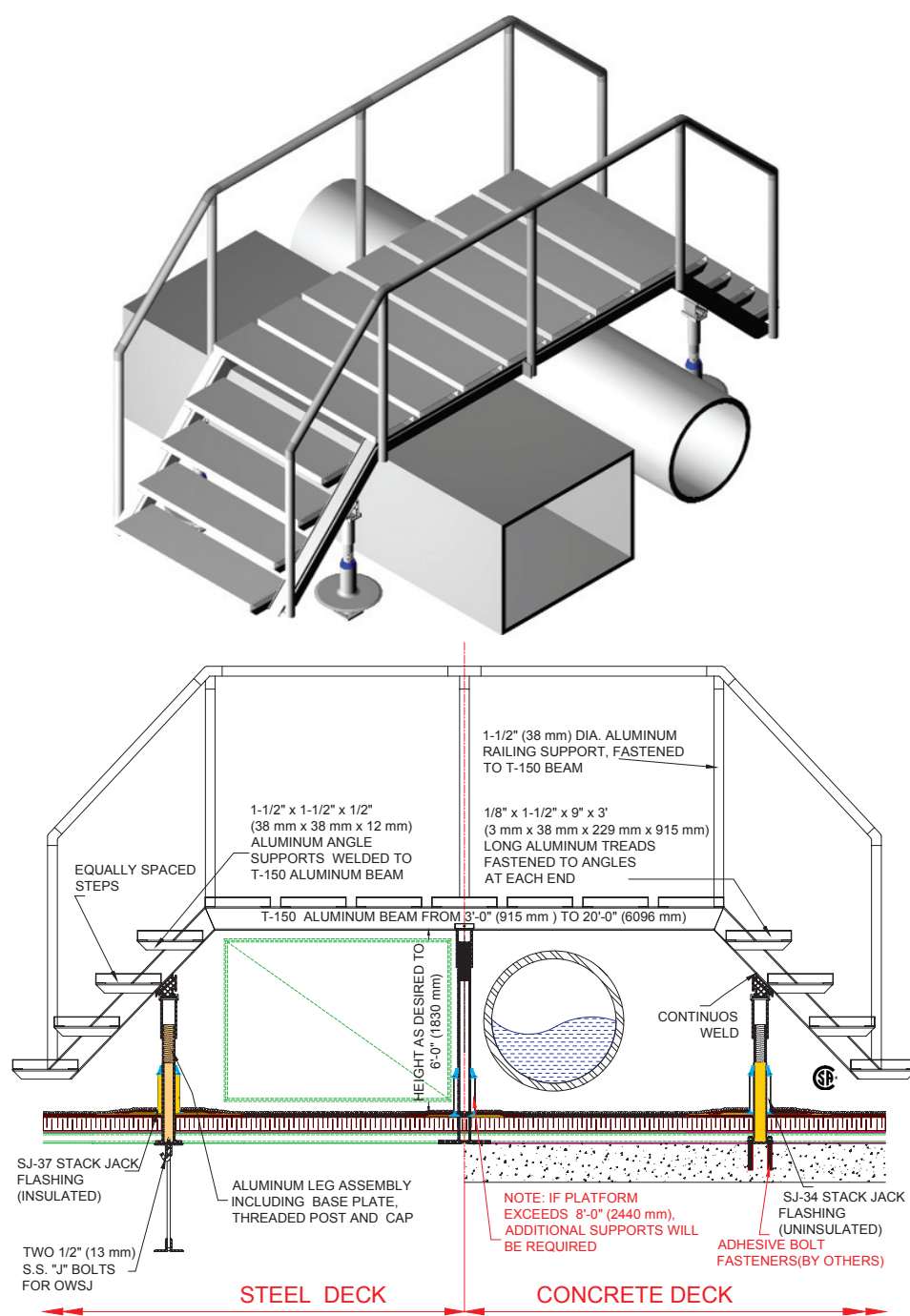
MAINTENANCE

No maintenance required.

SPECIFICATION (Short Form)

Cross-Over stair and roof supports: Thaler ARS-680 all 6061-T6 mill finish aluminum cross-over stair of size shown on drawings, with adjustable height hollow aluminum, urethane insulated supports, 2" (51 mm) dia., with appropriate hardware for fastening to structural roof deck (adhesive fasteners by others), 3-3/4" x 3-3/4" x 1/4" (95 mm x 95 mm x 6 mm) alum. stringers/platform support beams; 1/8" x 1-1/2" x 9" x 3'-0" (3 mm x 38 mm x 229 mm x 915 mm) alum. treads [screwed] [welded] to 1-1/2" x 1-1/2" x 1/2" (38 mm x 38 mm x 12 mm) alum. stringer angle supports and platform support beams; 1-1/2" (38 mm) dia., Schedule 40 pipe rail; [.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 s.s.], [SJ-34, uninsulated] [SJ-37, insulated] flashing 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.

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PATENTED

INSTALLATION

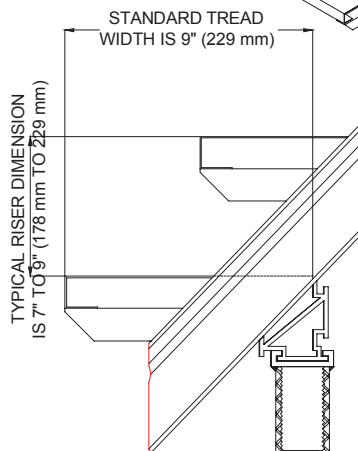
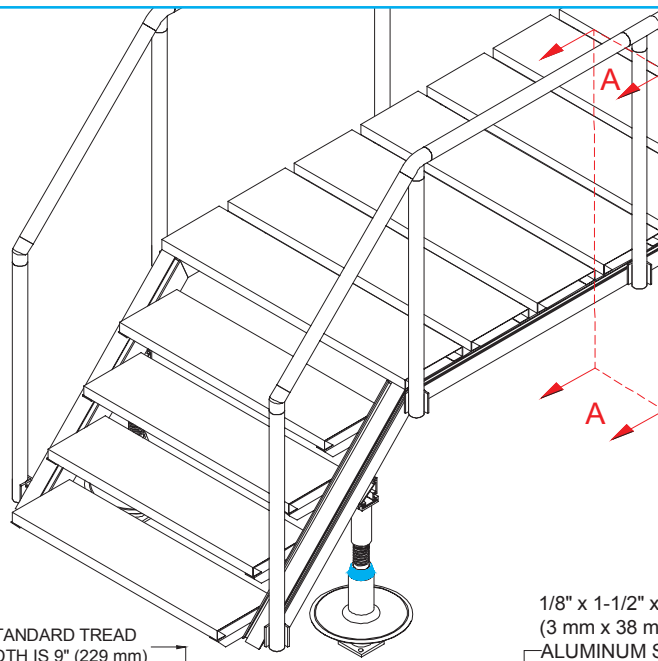
"Installation Instructions" are provided with every Thaler product. Essentially, the Thaler ARS-680 Cross-Over Stair is installed by fastening the roof supports to the structural roof deck, placing the flashing sleeve over the supports, securing the stringer/platform support beams to the roof supports, attaching the stair and walkway treads using the screws provided (Note: factory welded treads are optional), mechanically assembling the railings, and as follows:

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

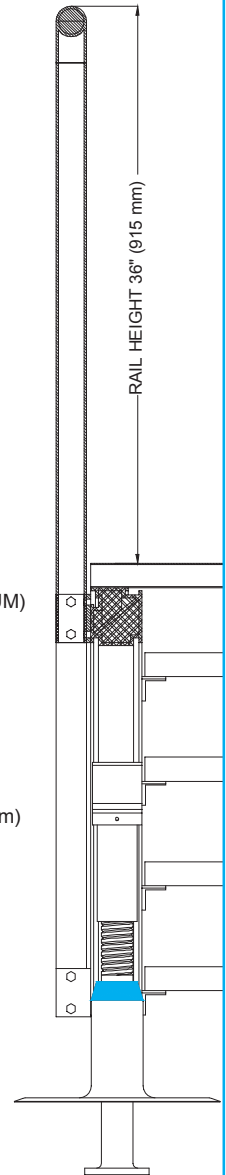
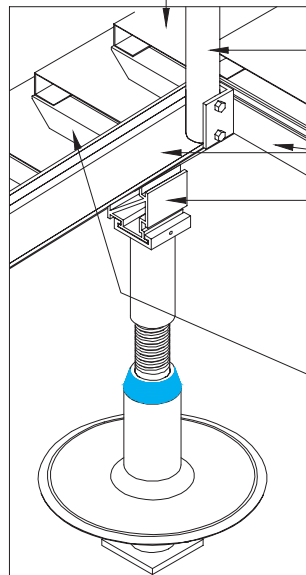
ModBit: Torch membrane until bitumen is fluid and set flashing deck flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer. Do not overheat (melt) EPDM Base Seal.

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. ARS-680-A-P; weld roofing to deck flange using PVC torch.

Ordering and Availability: Specify flashing material required by adding appropriate suffix to model number e.g. ARS-680-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.



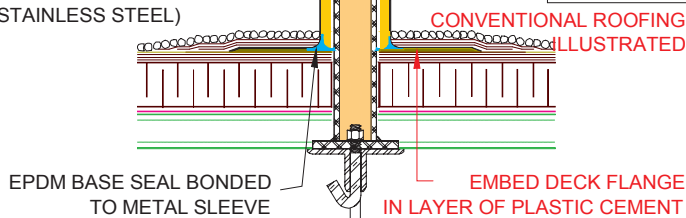
1/8" x 1-1/2" x 9" x 3'-0"
(3 mm x 38 mm x 229 mm x 915 mm)
ALUMINUM STAIR



ALUMINUM ADJUSTABLE SUPPORT LEG ASSEMBLY

EPDM TRIPLE PRESSURE GROMMET SEAL

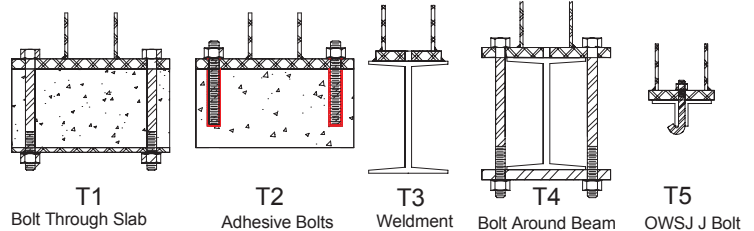
SJ-37 STACK JACK FLASHING URETHANE INSULATED 7" (178 mm) HIGH SLEEVE (ALUMINUM, COPPER OR STAINLESS STEEL)



SECTION DETAIL AT "A"

SECTION DETAIL AT STAIR SUPPORT

ALTERNATIVE FASTENING METHODS



Specify fastening method required by adding appropriate suffix to model number (e.g. MERS-680-A-T1)