

ROOF SPECIALTIES

FARA-180 FALL ARREST "ROPE DROP" ANCHOR

DESCRIPTION

The Thaler FARA-180 "Rope Drop" anchor consists of a galvanized hollow section steel sleeve (HSS) with a removable cap and a flashing sleeve. Typically employed in pairs, the top interiors of the anchors are equipped with 1" (25 mm) diameter stainless steel cross bar that is used to secure platform suspension lines. A separate standard rooftop anchor is required to secure each worker's lifeline.

Prominent Features: Maintenance free (attractive, neat flashing never needs caulking; see Thaler EPDM Flashing Seals literature). Anchor integrity is backed by \$7,000,000.00 liability insurance.

Options: All stainless steel anchor and various other securements available.

RECOMMENDED USE

Suitable for all flat roofs for attaching platform or single point suspension lines where davits, outriggers or standard anchors cannot be used, such as balconies, atriums, wide cornices or building projections and similar architectural features. Ideal for retrofit.

APPLICABLE STANDARDS

Thaler FARA anchors conform to all Canadian and U.S. standards, provincial and state labour/safety codes and materials standards relating to anchor fabrication, window cleaning and other suspended maintenance operations.

Conformance includes CSA, OML, ASME, ANSI, IWCA, OSHA, CAL, OSHA, AISC, AWS, and other references. Thaler SJ-34 New-Standard STACK JACK Flashing conforms to CSA B272-93. See separate Thaler FARA Systems Fall Protection literature for specific data.

WARRANTY

20 year warranty (lifetime on all stainless steel) 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

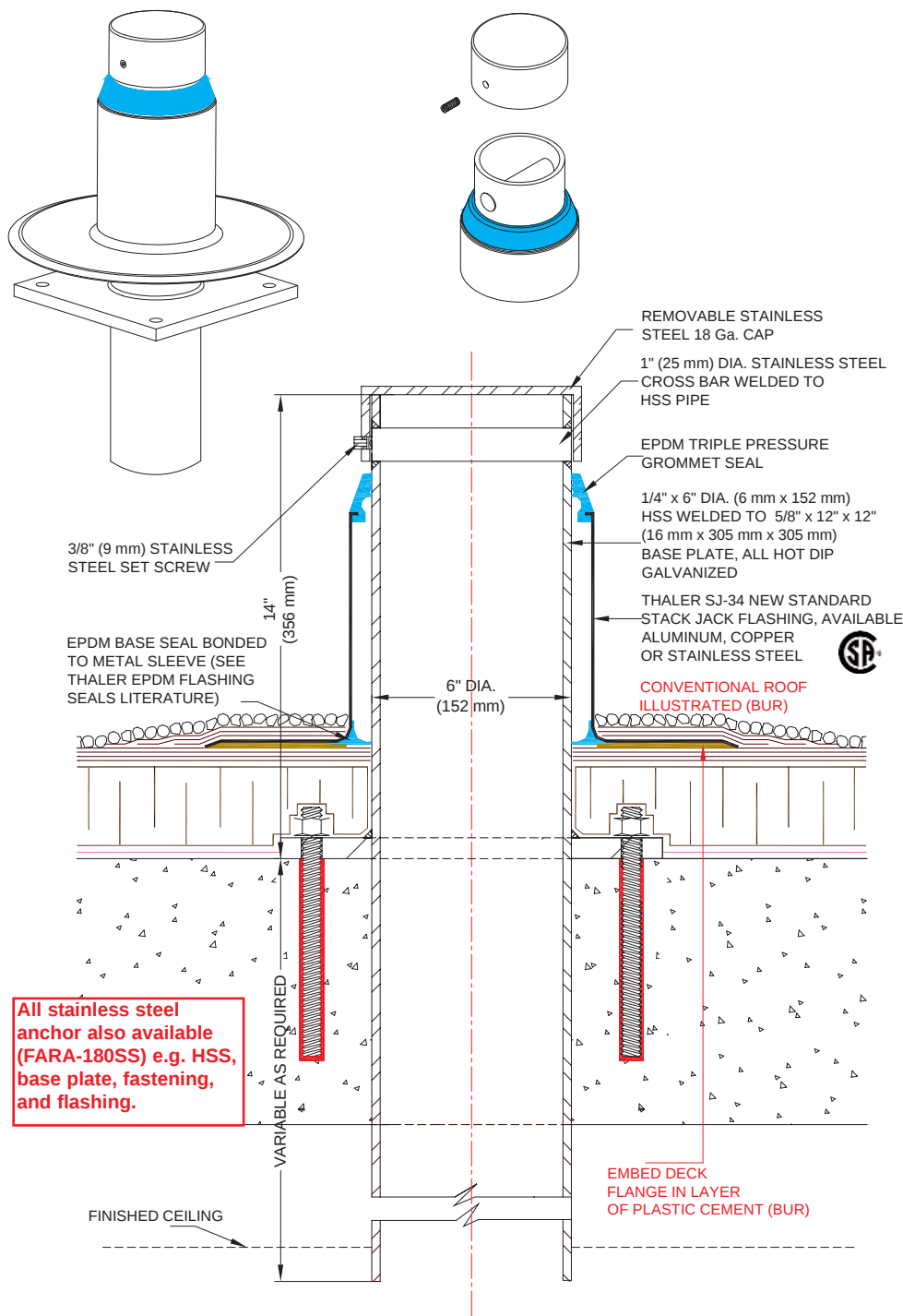
Regulatory authorities require anchors to be inspected annually with inspection data (date, inspector's name and comments) recorded in the Fall Protection Maintenance Log Book for Window Cleaning and/or Other Suspended Access Maintenance Operations (including travel restraint). Apart from this requirement, Thaler anchors require no maintenance (maintenance free).

PLANNING SERVICE

Thaler will provide layout drawings for fall arrest anchors in compliance with all applicable standards, safety regulations and local building codes. A nominal, low-cost fee is charged for this service (refunded if Thaler secures the contract to supply the anchors).

SPECIFICATION (Short Form)

Rope Drop anchors: Thaler FARA-180 adhesive bolt galvanized rope drop anchor to [CSA Z91-02] [OSHA 1910.66, Sub parts D and F] with 4" (102 mm dia. hollow ASTM 500C steel sleeve section (HSS) 1/4" (6 mm) wall thickness x 6" (152 mm) dia., length to suit application, welded to 1/2" x 12" x 12" (12 mm x 305 mm x 305 mm) 44W base plate prepared to receive four 5/8" (16 mm) dia. adhesive anchor bolts (by others); removable cap w/set screw; 1" (25 mm) s.s. cross bar; SJ-34, 7" (178 mm) high New-Standard STACK JACK flashing 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] 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 defects in materials and/or manufacture.



FARA-180 "ROPE DROP" ANCHOR

PATENTED

INSTALLATION

"Installation Instructions" are provided with every Thaler product. Essentially, the Thaler FARA-180 anchor is installed by adhesive bolting (as per bolt manufacturer's instructions) the anchor to the cored out structural concrete roof deck as per Thaler layout drawings, using a maximum torque of 75 lbf-ft. (100Nm), then placing the flashing sleeve over the anchor and membrane, and as follows:

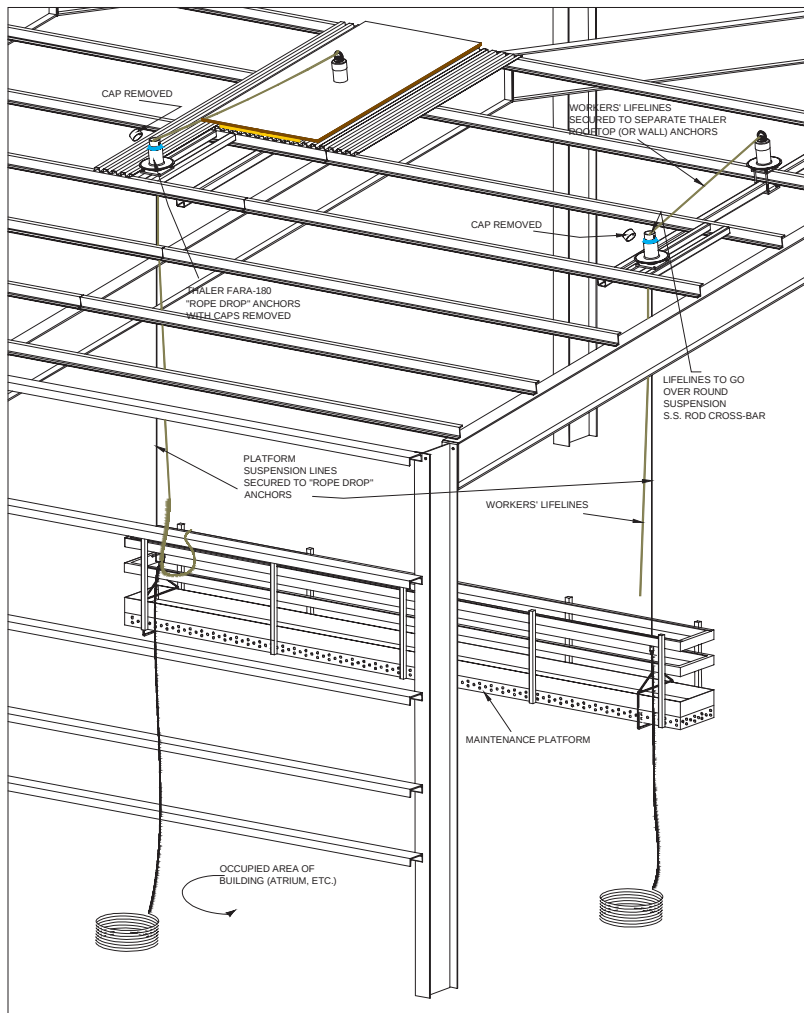
BUR: Set flashing deck flange in layer of plastic cement and flash in with 3 overlapping layers of felt flashing.

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

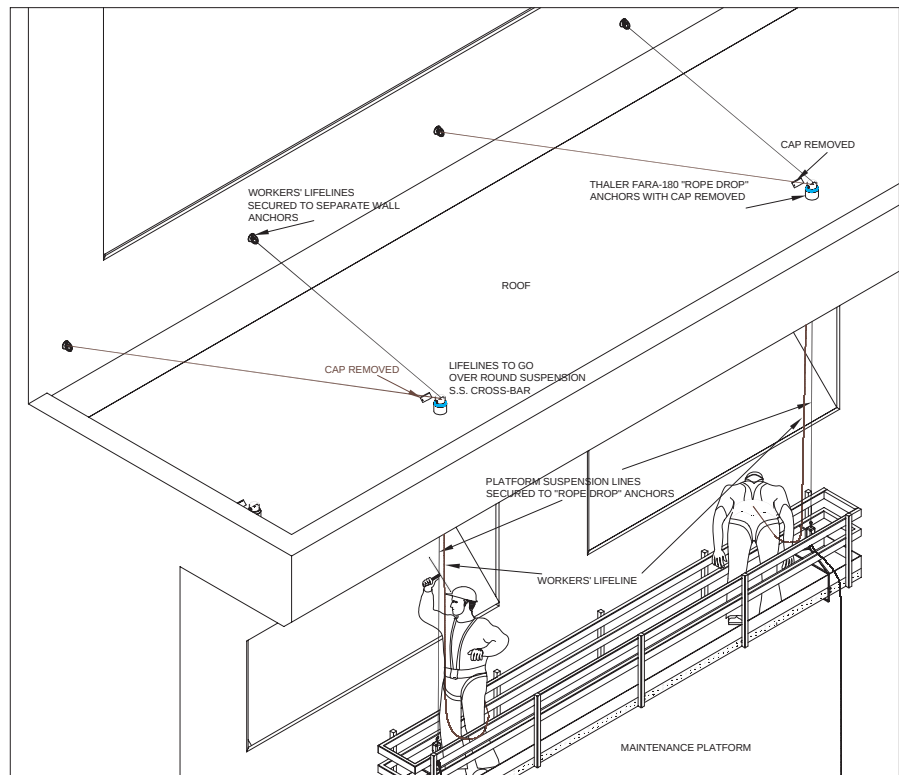
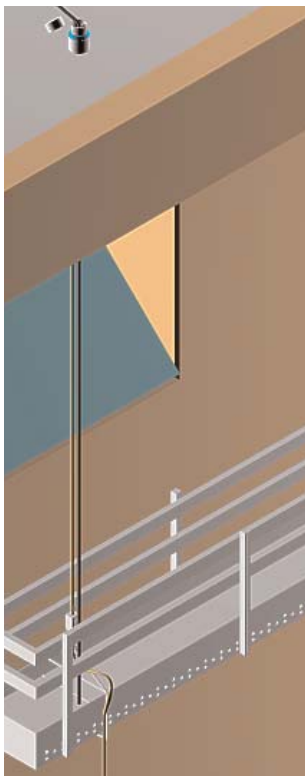
Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to STACK JACK Flashing. Note: for PVC membrane, specify PVC coated STACK JACK by adding suffix P to end of model number, e.g. FARA-180-A-P; weld roofing to deck flange using PVC torch.

Precautions: Apply an asphaltic or other type protective coating to exposed 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.

Ordering: Specify flashing material required by adding the appropriate suffix to model number e.g. FARA-180-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.



CUT-AWAY VIEW OF ROOF SHOWING ANCHOR ARRANGEMENT (Steel Deck)



FARA-180 "ROPE DROP" ANCHOR VIEW OF ROOF SHOWING ANCHOR ARRANGEMENT (Concrete Deck)