

SECTION J
SPLIT FLASHINGS

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WHAT IT TAKES TO BE THALER OR EQUAL

When specifications read Thaler or Equal, it is the responsibility of specifiers and building owners to determine what it means to be "Or Equal". The following data has been presented to quickly help assess the comparative merits of "competitive" products. Thaler Split Flashings products have a number of Value Added features that should be considered when trying to equate the "Or Equal".

CHECK THE COMPETITION

THALER VALUE ADDED FEATURES



100% Watertight; unlike soldered-type split flashings or pitch pans, Thaler Split Flashings provide an unparalleled seal and remain flexible enough to allow movement of penetrating items while coping with the vibration often associated with cooling tower supports and similar mechanical equipment.



New-Age flashing; Thaler split flashings are designed to do away with the ultimately expensive, unreliable and high maintenance "pitch pans"; they pose an open threat of leaks and require frequent maintenance checks and repair of bitumen embrittled by sunlight and cold weather.



Ideal for structural protrusions; many techniques employed to flash complicated shapes such as H-beams, I-beams and C-channels can be labour intensive and lacking in consistent quality, performance and looks. Thaler Split Flashings are quality controlled at the factory, sized to accommodate precise web thicknesses, while sleeves employ a simple, applicator-friendly, snap together "lock-fast" installation procedure.



Utilizes proven concept; Thaler Split Flashings provide the best flashing detail at roof penetrations which follows the general rule of attaching the base flashing (sleeve) to the structural deck and counter flashing (cap) to the penetrating element.



Aesthetically pleasing; arguably the best looking split flashing available on the market today. Unique installation method means clean assembly without messy caulking seals, soldered joints or adhesives.



Re-Usable; providing split flashings are carefully twisted off, they can be used again for re-roofing projects.



EPDM Triple Pressure Grommet Seal; EPDM "memory" in the seal provides constant pressure to outside of protrusion to prevent leaks. See Thaler EPDM Flashing Seals literature.



Treated deck flange; can be PVC coated for proper welding of PVC membrane or bituminous painted for BUR or ModBit membrane.



20 year Warranty; guaranteed against leaks and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions".

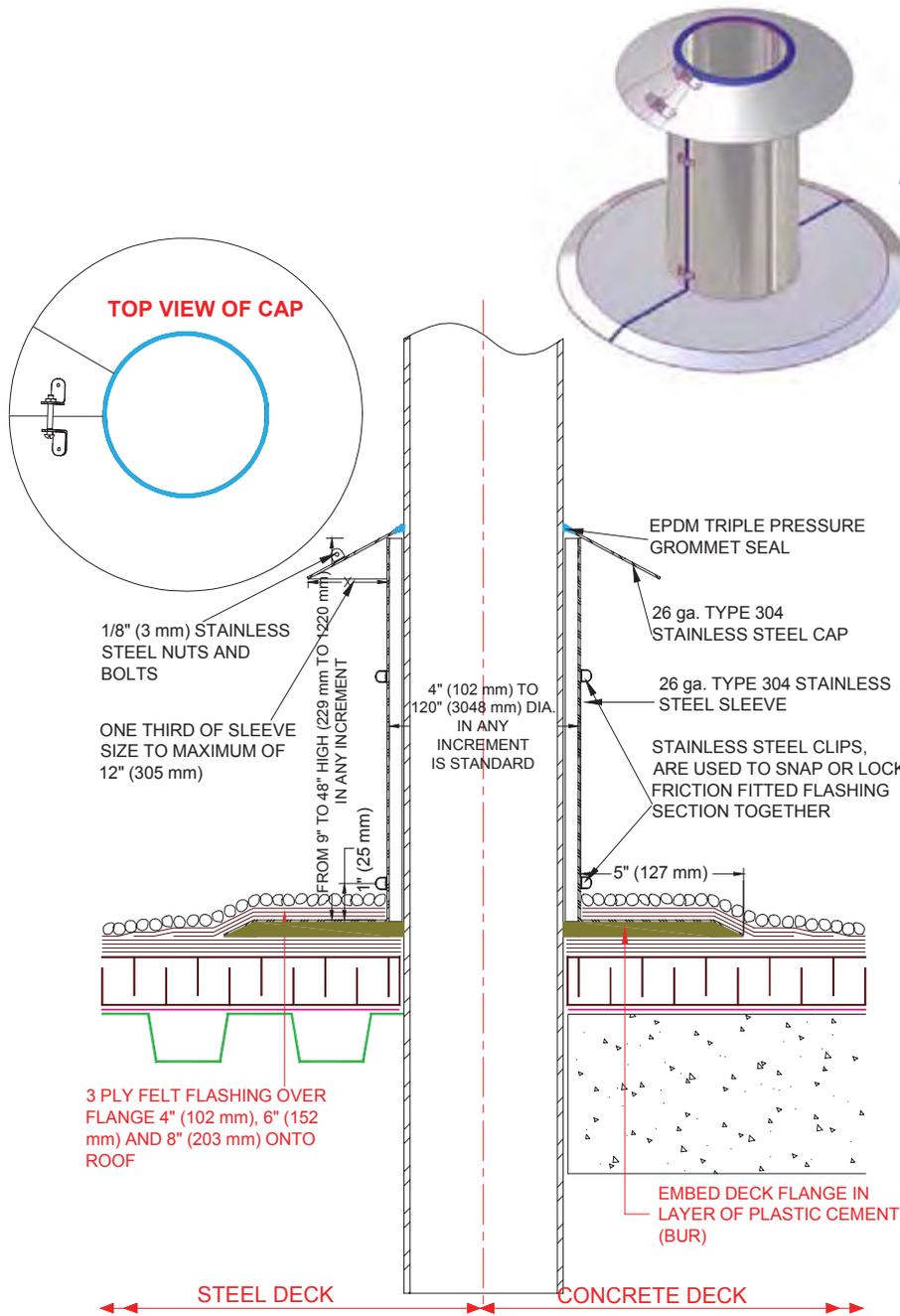


Maintenance-Free; never needs caulking (any caulking at any time will invalidate 20 year warranty).



Written "Installation Instructions"; provided with every Thaler product.

ROOF SPECIALTIES SPJ-1 ROUND SPLIT FLASHINGS



DESCRIPTION:

Thaler SPJ-1 Round Split Flashings consist of a split stainless steel flashing sleeve with integral deck flange and split coolie-hat cap fitted with an EPDM triple pressure grommet seal. Continuous EPDM seals are also located at the split junctures of the sleeve and deck flange. Available in stainless steel only. Clips are used to snap or lock the friction-fit flashing sections together.

DIAMETER:

3" to 120" (76 mm to 3048 mm) in any increment. Note: Flashings are installed in two split sections for up to 48" (1220 mm) dia; three sections for 48" to 72" (1220 mm to 1830 mm) dia; four sections for over 72" (1830 mm) dia.

HEIGHT:

9" to 48" (229 mm to 1220 mm) in any increment.

PROMINENT FEATURES:

Custom sizing is standard. Never needs caulking (see Thaler EPDM Flashing Seals literature). More economical than SPJ-2 Round Split Flashing (Vented Cap).

OPTIONS:

PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. See SPJ- 2 for vented cap (prevents condensation build-up on inside of sleeve).

RECOMMENDED USE:

Suitable for round plastic, steel, stainless, copper or cast iron pipes, stacks or other round roof projections where flashing sleeve can only be fitted around the projection rather than over it. Example uses include hydro generator stacks, oil refinery process piping, railings, and other retrofit applications.

WARRANTY:

20 year warranty against leaks and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where EPDM seals are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Round split flashings: Thaler SPJ-1 Round, Split Flashing [12" (305 mm) high] x [8" (203 mm) dia.] [of sizes as noted on drawings] .018" (26 ga.) sleeve with gauge of cap to suit, Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split cap with overlapped and s.s. bolted closure design; 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 and defects in materials and/or manufacture.

SPJ-1 ROUND SPLIT FLASHING

PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler split flashings are installed by aligning the flashing sections (2, 3, or 4 sections, depending on diameter), applying silicone lubricant to EPDM seals, temporarily snapping the sections together using one or more Crawford ratchet type tightening straps (by others), and as follows:

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

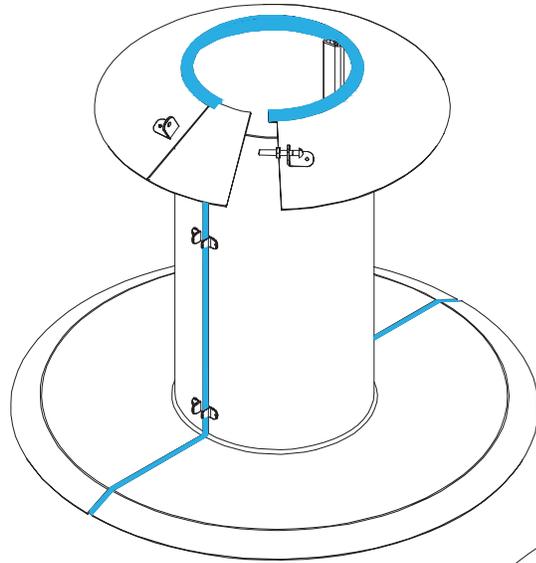
ModBit: orch membrane until bitumen is fluid and set flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve as per single ply manufacturer's recommendations and clamp membrane to flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. SJP-1-P; weld roofing to deck flange using PVC torch

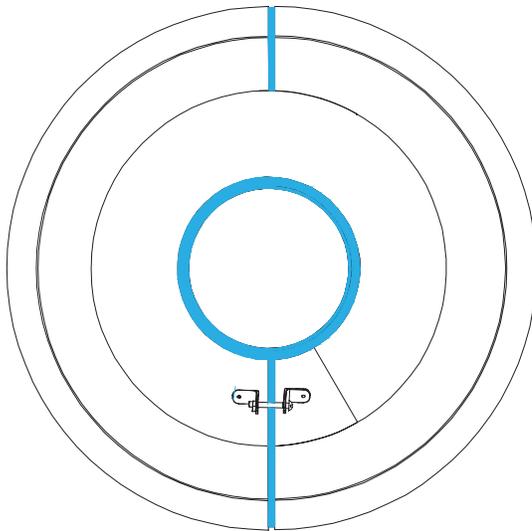
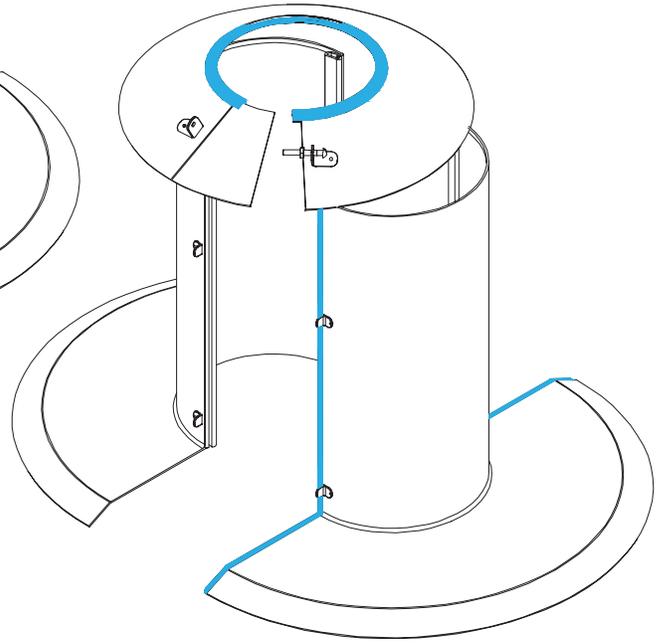
Precautions: If coating deck flange with bituminous paint on site, allow 24 hours for drying before applying roof membrane.

Coolie-Ht Cap: Twist cap open and fit around pipe or protrusion and connect the lap joint by re-installing the stainless steel bolt.

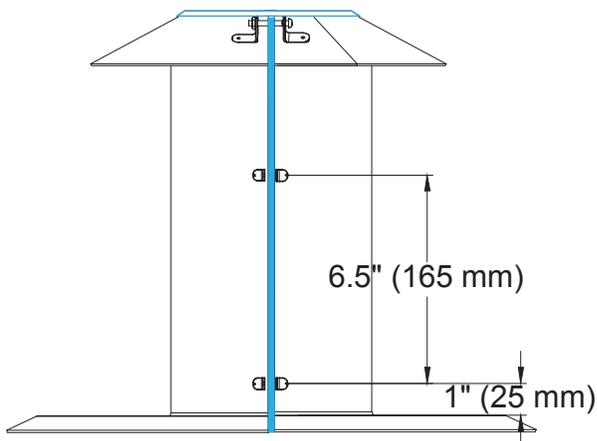
Ordering: Available throughout North SPJ-1 ROUND SPLIT FLASHING America. Contact Thaler for current cost information. Most products readily available from stock.



ISOMETRIC VIEW

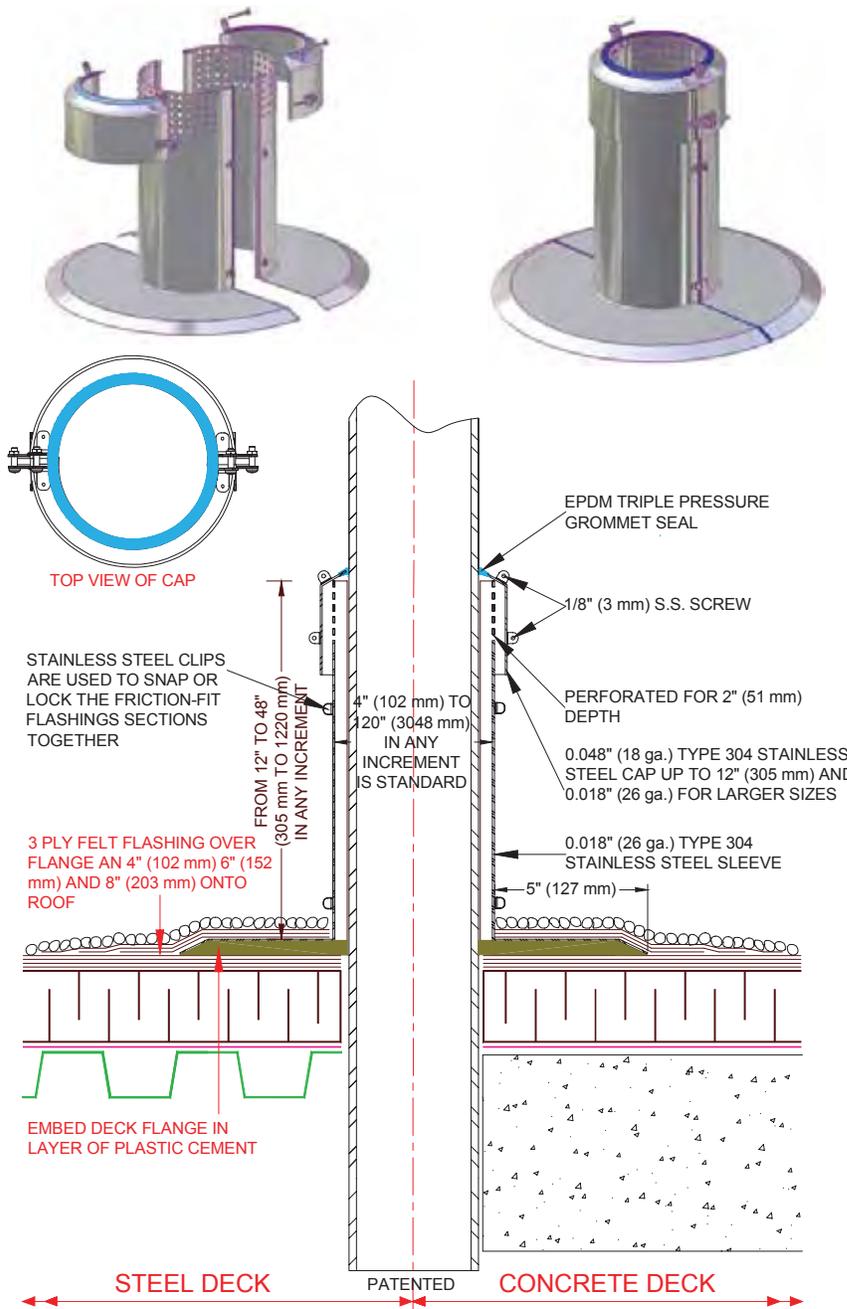


TOP VIEW



FRONT VIEW

ROOF SPECIALTIES SPJ-2 ROUND SPLIT FLASHINGS (Vented Cap)



DESCRIPTION:

Thaler SPJ-2 Round Split Flashings consist of a split stainless steel flashing sleeve with integral deck flange and vented cap fitted with an EPDM triple pressure grommet seal. Continuous EPDM seals are also located at the split junctures of the sleeve and deck flange. Available in stainless steel only. Clips are used to snap or lock the friction-fit flashing sections together.

DIAMETER:

4" to 120" (102 mm to 3048 mm) in any increment. Note: Flashings are installed in two sections for up to 48" (1220 mm) dia; three sections for 48" to 72" (1220 mm) dia; four sections for over 72" (1830 mm) dia.

HEIGHT:

9" to 48" (229 mm to 1220 mm) in any increment.

PROMINENT FEATURES:

Prevents condensation build-up on inside of sleeve. Custom sizing is standard. Never needs caulking (see Thaler EPDM Flashing Seals literature).

OPTIONS:

PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. See SPJ-1 Coolie-Hat Cap for more economical flashing.

RECOMMENDED USE:

Suitable for plastic, steel, stainless, copper or cast iron pipes, stacks or other round roof projections where flashing sleeve can only be fitted around vent stack rather than over the stack. Example uses include hydro generator stacks, oil refinery process piping, railings, and other retrofit applications.

WARRANTY:

20 year warranty against leaks and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where EPDM seals are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Round split flashings: Thaler SPJ-2 Round, Vented Cap Split Flashing [12" (305 mm) high] x [8" (203 mm) dia.] [of sizes as noted on drawings]. .018" (26 ga.) sleeve with gauge of cap to suit, Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split vented cap with overlapped and s.s. bolted closure design; 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.

SPJ-2 ROUND SPLIT FLASHING (Vented Cap)

PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler split flashings are installed by aligning the flashing sections (2, 3, or 4 sections, depending on diameter), applying silicone lubricant to EPDM seals, snapping the sections together using safe grip plyliers.

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

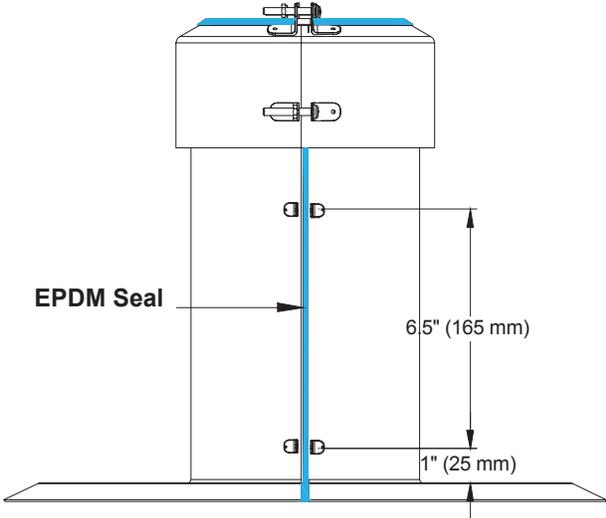
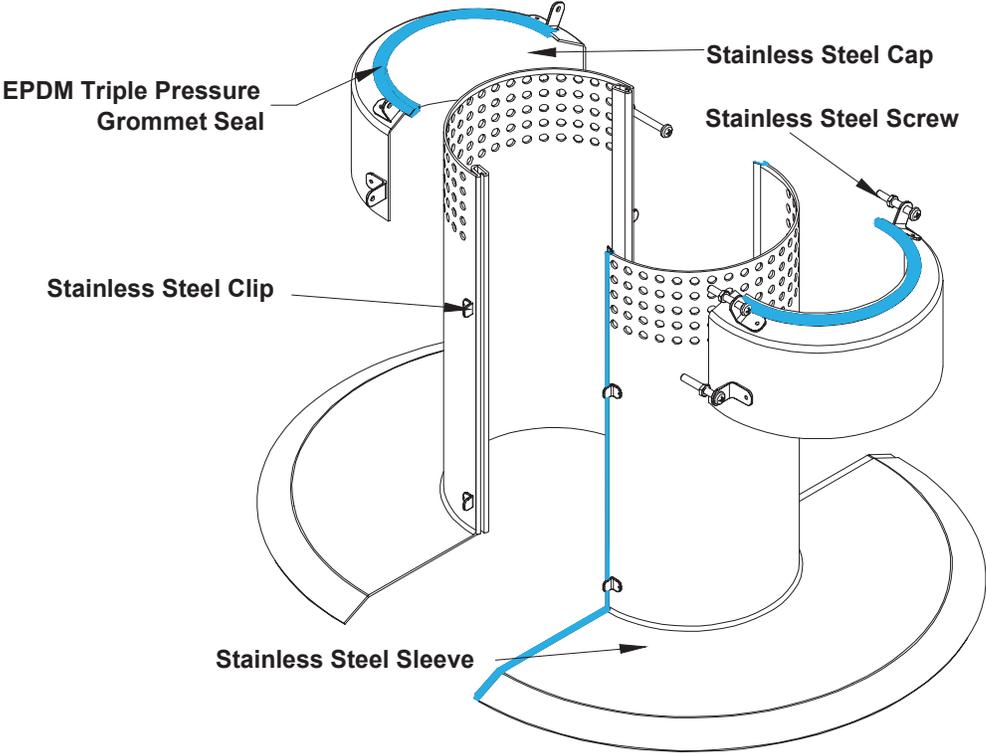
ModBit: Torch membrane until bitumen is fluid and set flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve as per single ply manufacturer's recommendations and clamp membrane to flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. SJP-2-P; weld roofing to deck flange using PVC torch.

Vented Cap: Fit sections around pipe or protrusion and connect the lap joints by re-installing the stainless steel bolts.

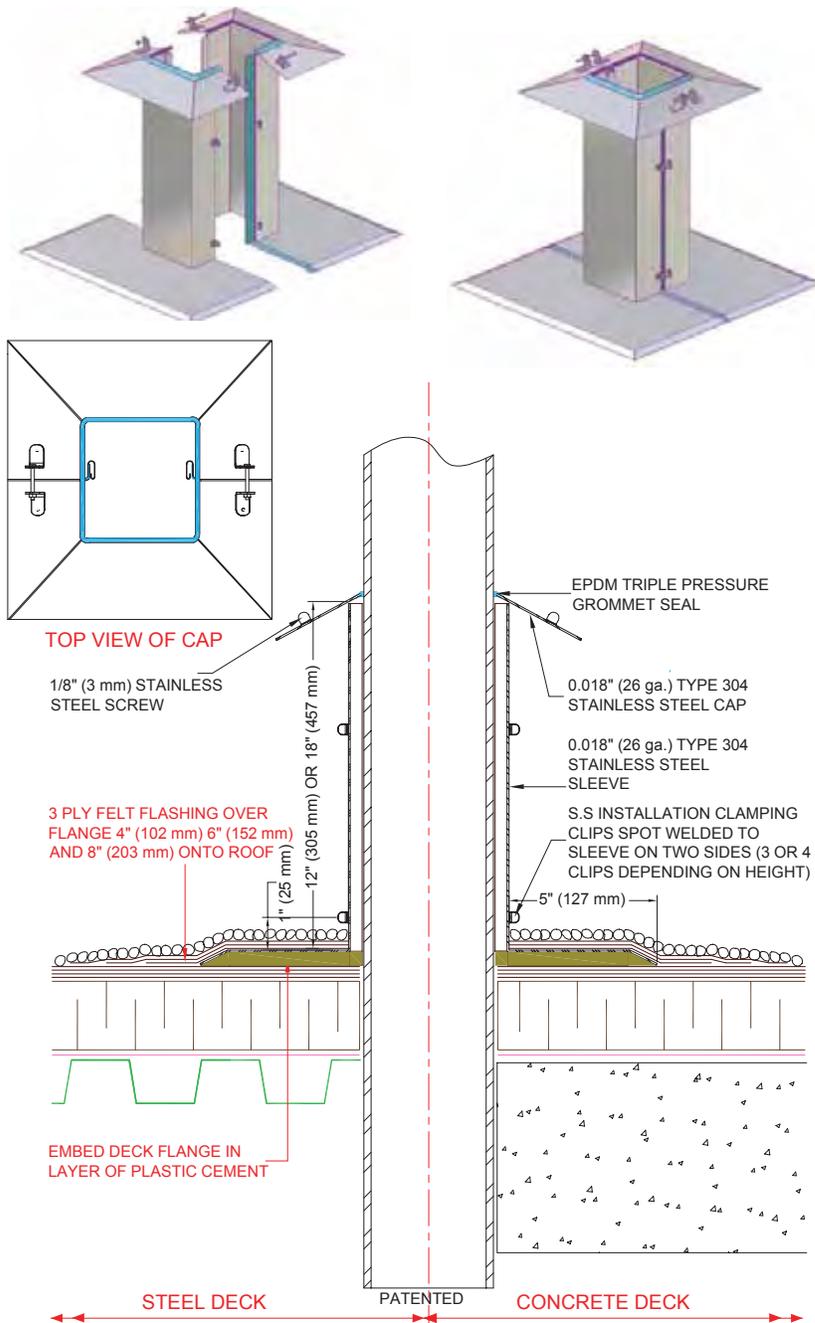
Ordering: Available throughout North America. Contact Thaler for lists of distributors and current cost information. Most products readily available from stock.

EXPLODED VIEW



FRONT VIEW

ROOF SPECIALTIES SPJ-3 SQUARE SPLIT FLASHINGS



DESCRIPTION:

Thaler SPJ-3 Square Split Flashings consist of a two-piece split stainless steel flashing sleeve with integral deck flange and four-piece split coolie-hat cap fitted with an EPDM triple pressure grommet seal. Continuous EPDM seals are also located at the split junctures of the sleeve and deck flange. Available in stainless steel only. Clips are used to snap or lock the friction-fit flashing sections together.

SIZE:

Fits up to 12" (305 mm) square protrusion in any increment.

HEIGHT:

12" (305 mm) and 18" (457 mm) is standard. Consult Thaler for other heights.

PROMINENT FEATURES:

Never needs caulking (see Thaler EPDM Flashing Seals literature). More economical than SPJ-4 Square Split Flashing (Vented Cap).

OPTIONS:

PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. See SPJ- 4 for vented cap (prevents condensation build-up on inside of sleeve).

RECOMMENDED USE:

Suitable for all types of square roof projections where flashing sleeve can only be fitted around the projection rather than over the projection. Example uses include square columns, railings, supports, and other retrofit applications.

WARRANTY:

20 year warranty against leaks and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where EPDM seals are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Square split flashings: Thaler SPJ-3 Square, Cap Split Flashing [12" (305 mm) high] [18" (457 mm) high] x [8" (203 mm) square] [of sizes as noted on drawings] .018" (26 ga.) Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split cap with overlapped and s.s. bolted closure design; 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 and defects in materials and/or manufacture.

SPJ-3 SQUARE SPLIT FLASHING

PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler split flashings are installed by aligning the two flashing sections, applying silicone lubricant to EPDM seals, snapping the sections together using pliers at clip locations, and as follows:

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

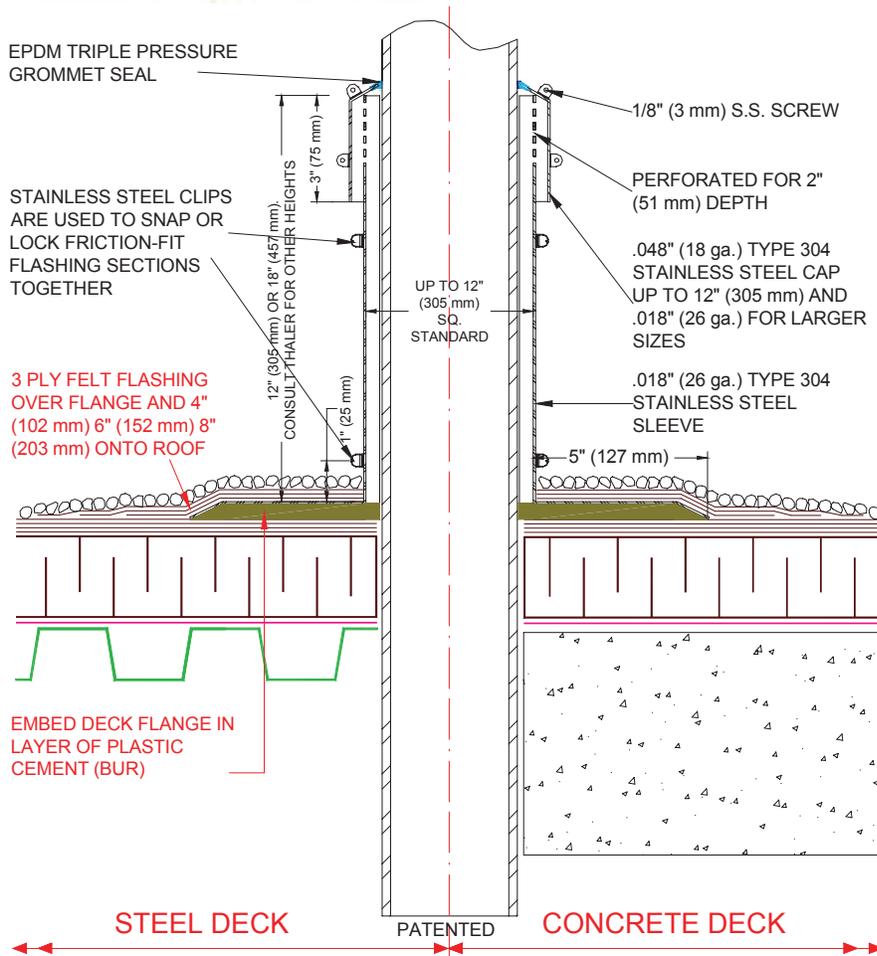
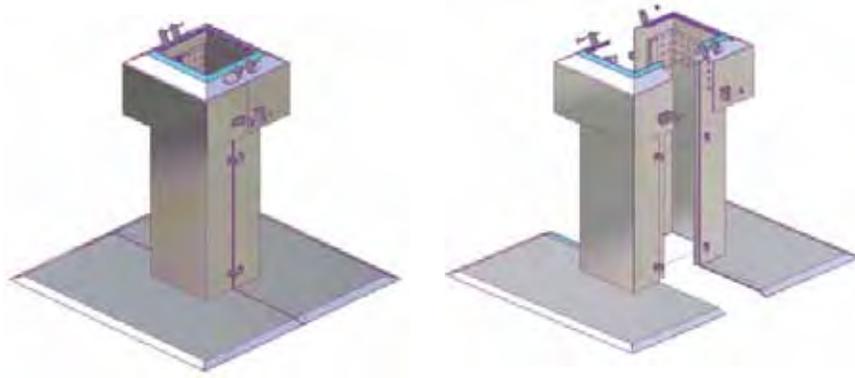
ModBit: Torch membrane until bitumen is fluid and set flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve as per single ply manufacturer's recommendations and clamp membrane to flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. SJP-3-P; weld roofing to deck flange using PVC torch.

Coolie-Hat Cap: Twist cap open and fit around pipe or protrusion and connect the lap joint by re-installing the stainless steel bolt.

Ordering: Available throughout North America. Contact Thaler for lists of distributors and current cost information. Most products readily available from stock.

ROOF SPECIALTIES SPJ-4 SQUARE SPLIT FLASHINGS (Vented Cap)



DESCRIPTION:

Thaler SPJ-4 Square Split Flashings consist of a split stainless steel flashing sleeve with integral deck flange and contoured vented cap fitted with an EPDM triple pressure grommet seal. Continuous EPDM seals are also located at the split junctures of the sleeve and deck flange. Available in stainless steel only. Clips are used to snap or lock the friction-fit flashing sections together.

SIZE:

Fits up to 12" (305 mm) square protrusion in any increment.

HEIGHT:

12" (305 mm) and 18" (457 mm) is standard. Consult Thaler for other heights.

PROMINENT FEATURES:

Prevents condensation build-up on inside of sleeve. Never needs caulking (see Thaler EPDM Flashing Seals literature).

OPTIONS:

PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. See SPJ-3 Coolie-Hat Cap for more economical flashing.

RECOMMENDED USE:

Suitable for all types of square roof projections where flashing sleeve can only be fitted around the projection rather than over the projection. Example uses include square columns, railings, supports, and other retrofit applications.

WARRANTY:

20 year warranty against leaks and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where EPDM seals are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications.

MAINTENANCE:

No maintenance required (maintenance free).

SPECIFICATION (SHORT FORM):

Square split flashings: Thaler SPJ-4 Square, Vented Cap Split Flashing [12" (305 mm) high] [18" (457 mm) high] x [8" (203 mm) square] [of sizes as noted on drawings] .018" (26 ga.) Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split vented cap with overlapped and s.s. bolted closure design; 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.

SPJ-4 SQUARE SPLIT FLASHING (Vented Cap)

PATENTED

INSTALLATION:

"Installation Instructions" are provided with every Thaler product. Essentially, Thaler split flashings are installed by aligning the two flashing sections, applying silicone lubricant to EPDM seals, snapping the sections together using pliers at clip locations, and as follows:

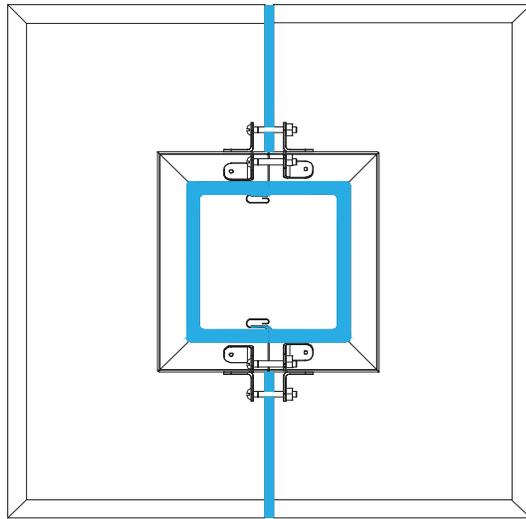
BUR: Set deck flange in layer of plastic cement and flash in with 3 overlapping layers of felt flashing.

ModBit: Torch membrane until bitumen is fluid and set flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

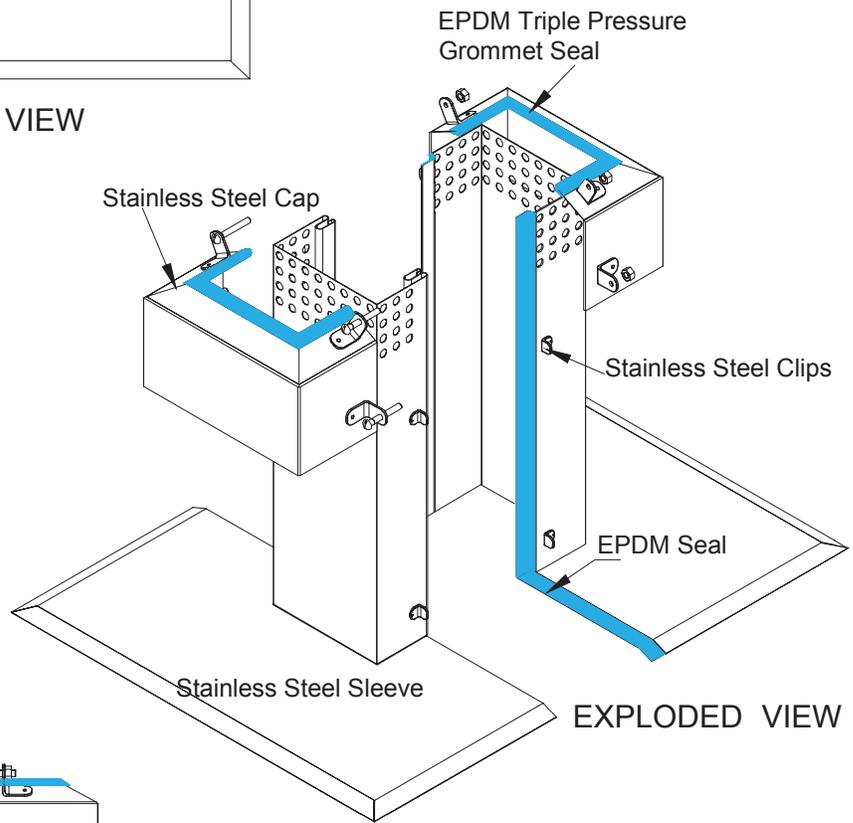
Single Ply: Set deck flange in layer of membrane adhesive and extend single ply up sleeve as per single ply manufacturer's recommendations and clamp membrane to flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. SJP-4-P; weld roofing to deck flange using PVC torch.

Vented Cap: Fit sections around pipe or protrusion and connect the lap joints by re-installing the stainless steel bolts.

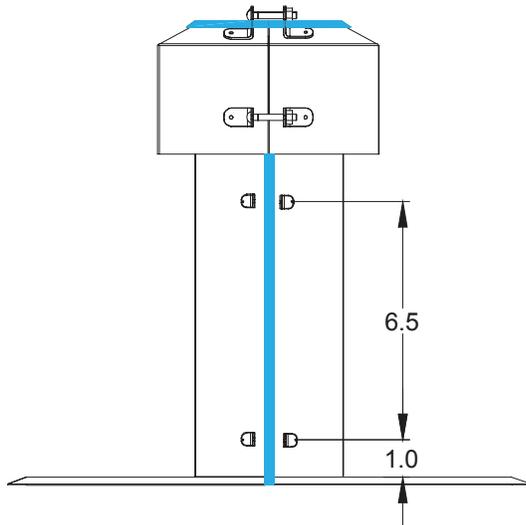
Ordering: Available throughout North America. Contact Thaler for lists of distributors and current cost information. Most products readily available from stock.



TOP VIEW



EXPLODED VIEW



FRONT VIEW

Note: This mechanical and electrical roof support specification, with minor editing, has been written as a separate section of work. Alternatively, the appropriate clauses may be incorporated as part of a roofing specification.

PART 1: GENERAL

1.01 SECTION INCLUDES

- A. Supply and installation of roof accessories, including:
 - 1. Preformed metal flashings

1.02 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry
- B. Section 07500 - Membrane Roofing
- C. Section 07900 - Joint Sealers
- D. Section 15800 - Air Distribution

1.03 REFERENCES

- [B. CRCA (Canadian Roofing Contractor's Association)]
- [C. NRCA (National Roofing Contractor's Association)]
- [D. SPRI (Single Ply Roofing Institute)]

1.04 SUBMITTALS

- A. Manufacturer's descriptive literature for each product, including section or other type details.
- B. Manufacturer's written installation instructions.
- C. Shop drawings and samples, when required, in accordance with Section [01300].

1.05 QUALITY ASSURANCE

- A. Roof accessories manufactures to have minimum 5 years documented experience in the design and fabrication of roofing specialities and accessories.

1.06 SPECIAL WARRANTY

- A. Warrant products installed under this section of work to be free of defects in materials and/or manufacture [and condensation] for a period of 20 years when installed in accordance with the manufacturer's written instructions.

PART 2: PRODUCTS

2.01 MANUFACTURER

A. Provide products as manufactured by Thaler Metal Industries, 1-800-387-7217 (Mississauga, Ontario, Canada) or 1-800-576-1200 (Buffalo, NY) or provide equal products by another manufacturer approved in advance by the [Architect], based upon:

1. 20 year warranty against defects in materials and/or manufacture, as applicable;
2. compliance with CSA B272-93 (Prefabricated Self-Sealing Roof Vent Flashings)
3. air barrier design using EPDM seals only;
4. maintenance free design;
5. materials and sizes options, and thickness;
6. injection molded urethane insulation to CGSB-51-GP 46MP and ASTM C1029-90, as applicable;
7. treated deck flange, as applicable;
8. written installation instructions.

2.02 MANUFACTURED UNITS

SPJ-1 Round Split Flashing

A. Thaler SPJ-1 Round, Split Flashing [12" (305 mm) high] x [8" (203 mm) dia.] [of sizes as noted on drawings] .018" (26 ga.) sleeve with gauge of cap to suit, Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split cap with overlapped and s.s. bolted closure design.

SPJ-2 Round Split Flashing (Vented Cap)

B. SPJ-2 Round, Vented Cap Split Flashing [12" (305 mm) high] x [8" (203 mm) dia.] [of sizes as noted on drawings] .018" (26 ga.) sleeve with gauge of cap to suit Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split vented cap with overlapped and s.s. bolted closure design.

SPJ-3 Square Split Flashing

C. Thaler SPJ-3 Square, Split Flashing [12" (305 mm) high] [18" (457 mm) high] x [8" (203 mm) square] [of sizes as noted on drawings] .018" (26 ga.) sleeve with gauge of cap to suit, Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split cap with overlapped and s.s. bolted closure design.

SPJ-4 Square Split Flashing (Vented Cap)

D. Thaler SPJ-4 Square, Vented Cap Split Flashing [12" (305 mm) high] [18" (457 mm) high] x [8" (203 mm) square] [of sizes as noted on drawings] .018" (26 ga.) sleeve with gauge of cap to suit, Type 304 stainless steel; to CSA B272-93; with EPDM triple pressure grommet seal around cap and continuous EPDM seals at split junctures of sleeve and deck flange; [PVC coated deck flange] [bituminous painted deck flange]; matching split vented cap with overlapped and s.s. bolted closure design.

PART 3: EXECUTION

3.01 EXAMINATION

A. Report to the Contractor in writing, defects of work prepared by other trades and other unsatisfactory site conditions. Verify site dimensions. Commencement of work will imply acceptance of prepared work.

3.02 INSTALLATION

A. Install relief vents in accordance with manufacturer's printed instructions.

BUR

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

Modified Bitumen

C. Torch membrane until bitumen is fluid and set flange into fluid. Flash in flange with two overlapping layers of ModBit and seal with asphalt sealer.

Single Ply

D. Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to Flashing.

Note: For PVC membrane, specify PVC coated flashing by adding suffix P to end of Thaler model number, e.g. SJ-24-P; weld roofing to deck flange using PVC torch.

PVC Single Ply

E. Set deck flange in layer of membrane adhesive and extend single ply up sleeve to highest elevation possible and clamp membrane to flashing. Weld roofing to deck flange using PVC torch.

Shingle Roof

F. Set deck flange in layer of plastic cement, ensuring that flange is placed over shingles on downslope side of flashing and under shingles on upslope side.

3.03 FIELD QUALITY CONTROL

A. Comply with the requirements of Section [01400 - Quality Control].

3.04 ADJUSTING

A. Verify that all manufactured units have been installed in accordance with specifications and details, and will function as intended. Adjust any items where necessary to ensure proper operation.

3.05 CLEANING

A. Clean manufactured units using materials and methods approved by manufacturer. Do not use cleaners or techniques which could impair performance of the roofing system.

End Of Section