DRYER EXHAUST VENT FLASHINGS

THALER

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Please be advised Thaler products may undergo improvements from time to time and are subject to change without notice.

ROOF SPECIALTIES
**DRYER EXHAUST
VENT FLASHINGS**

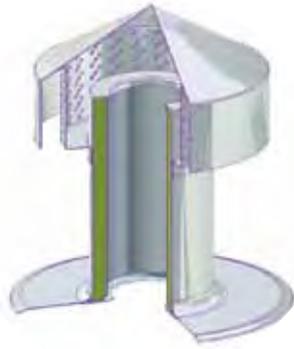WHAT IT TAKES TO BE
THALER OR EQUAL

When specifications read Thaler or Equal, it is incumbent upon 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 Exhaust Vent Flashing 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

[X] ✓ **EPDM Base Seal;** EPDM "memory' in the seal provides constant pressure to outside of vent pipe to prevent condensation build-up. See Thaler EPDM Flashing Seals literature.

[X] ✓ **EPDM Base Seal sizes;** available in any diameter from 3" (76 mm) to 10" (254 mm) vent pipe sizes.

[X] ✓ **Condensation Free;** the cone-shaped hood is designed to re-direct any wintertime condensation to the exterior rather than back into the vent space.

[X] ✓ **Slotted or Perforated Collar;** designed to suit specific application e.g. dryer exhaust or washroom exhaust.

[X] ✓ **Flat or sloped roof;** models available for any roof application.

[X] ✓ **Injection molded urethane insulation;** adhered between sleeves without air pockets.

[X] ✓ **Treated deck flange;** can be PVC coated for proper adhesion of PVC membrane or bituminous painted for BUR or ModBit membrane.

[X] ✓ **Material options and thickness;** available in .064" (1.6 mm) mill finish 1100-0T alloy aluminum or .032" (0.831 mm) 24 oz. copper.

[X] ✓ **20 year Warranty;** guaranteed against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions".

[X] ✓ **Virtually Maintenance-Free;** slotted collar allows lint to vent directly to exterior for dryer exhaust but should be checked and/or cleaned periodically if necessary. Never needs caulking (any caulking at any time will invalidate 20 year warranty)

[X] ✓ **Written "Installation Instructions";** provided with every Thaler product.
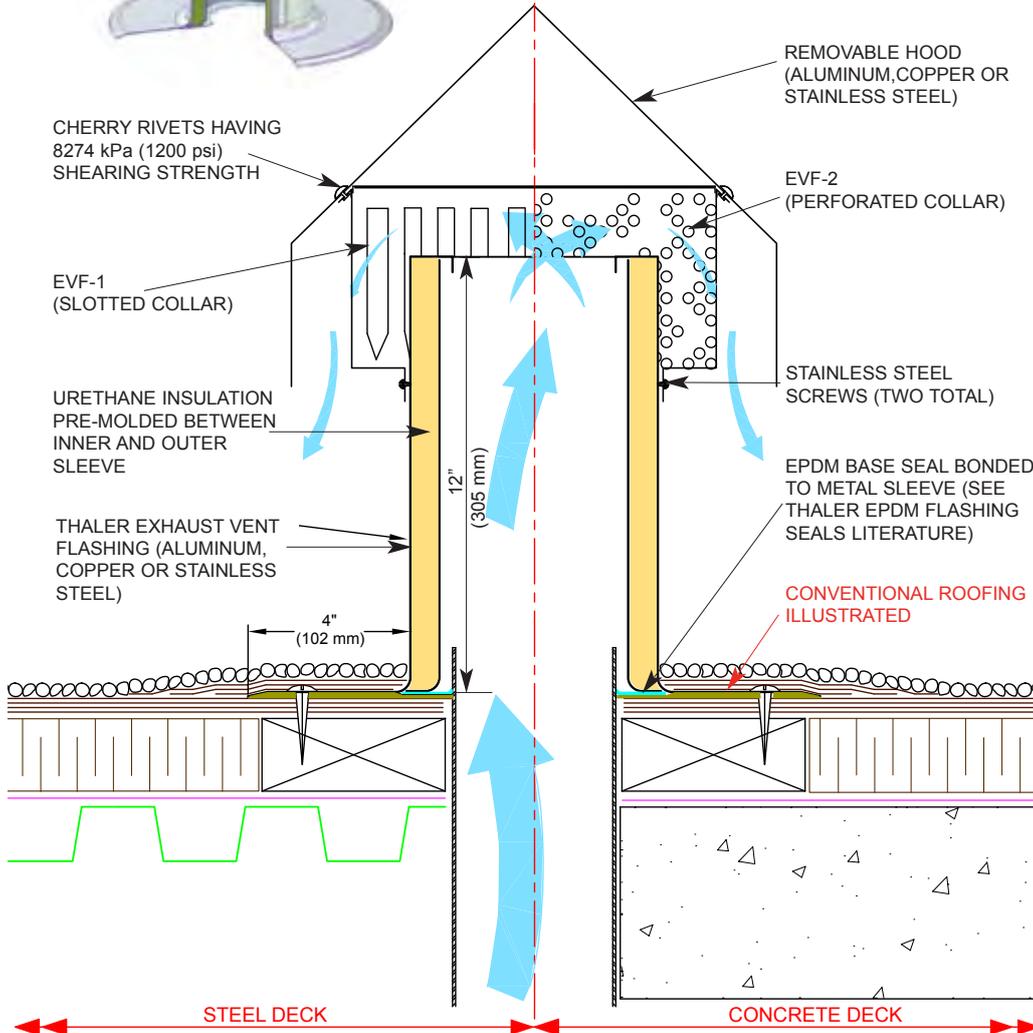
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TRADE SIZES
3" (76 mm)
4" (102 mm)
5" (127 mm)
6" (152 mm)
7" (178 mm)
8" (203 mm)
9" (229 mm)
10" (254 mm)

MODEL	HEIGHT
EVF-1	12" (305 mm) high
EVF-2	12" (305 mm) high

Add suffix -A for Aluminum or -C for Copper to Model No. e.g. EVF-1-A, etc.

REMOVABLE HOOD (ALUMINUM, COPPER OR STAINLESS STEEL)

CHERRY RIVETS HAVING 8274 kPa (1200 psi) SHEARING STRENGTH

EVF-2 (PERFORATED COLLAR)

EVF-1 (SLOTTED COLLAR)

STAINLESS STEEL SCREWS (TWO TOTAL)

URETHANE INSULATION PRE-MOLDED BETWEEN INNER AND OUTER SLEEVE

12" (305 mm)

EPDM BASE SEAL BONDED TO METAL SLEEVE (SEE THALER EPDM FLASHING SEALS LITERATURE)

THALER EXHAUST VENT FLASHING (ALUMINUM, COPPER OR STAINLESS STEEL)

CONVENTIONAL ROOFING ILLUSTRATED

4" (102 mm)

STEEL DECK

CONCRETE DECK

EXHAUST VENT FLASHINGS
PATENTED

INSTALLATION:
"Installation Instructions" are provided with every Thaler product. Essentially, Thaler EVF Flashings are installed by placing the flashing over the vent stack 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. 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 EVF Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. EVF-1-A-P; weld roofing to deck flange using PVC torch.

Precautions: Apply an asphaltic or other type protective coating to aluminum EVF 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. Ensure each exhaust fan is equipped with a damper to facilitate proper flashing function by preventing ice build up in winter.

Ordering and Availability: Specify material required by adding appropriate suffix to model number e.g. EVF-1-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.

DESCRIPTION:
Thaler EVF Exhaust Vent Flashings consist of a double wall metal flashing sleeve with integral deck flange, matching removable hood (screw fastened), slotted collar (EVF-1) or perforated collar (EVF-2), pre-molded urethane insulation liner, and EPDM Base Seal. Available in aluminum or copper.

Diameter: 3" (76 mm), 4" (102 mm), 5" (127mm), 6" (152 mm), 7" (178 mm), 8" (203 mm), 9" (229 mm) and 10" (254 mm).
Height: 12" (305 mm) is standard.

PROMINENT FEATURES:
Condensation free. Moisture cannot penetrate ceiling space below due to integrity of EPDM Base Seal (see Thaler EPDM Flashing Seals literature). Also the cone-shaped hood is designed to re-direct any winter time condensation to the exterior rather than back into the vent space.

OPTIONS:
Slotted collar (for dryer exhaust) or perforated collar (for washroom exhaust). PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane. Angled deck flange for sloped roofs (see EVF-3 and EVF-4).

RECOMMENDED USE:
Primarily for dryer exhaust vent (with slotted collar) but may also be used for washroom vent with perforated collar. Suitable for plastic, steel, stainless, copper or cast iron vents. See Installation (Precautions).

WARRANTY:
20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:
Slotted collar allows any lint to vent directly to exterior for dryer exhaust but should be checked and/or cleaned periodically. Hood is removable for cleaning if necessary. Otherwise EVF flashings are maintenance free.

SPECIFICATION (SHORT FORM):
Dryer [and washroom] exhaust vent flashing:
Thaler [EVF-1] [EVF-2] standard 12" (305 mm) high Dryer Exhaust Vent Flashing; [.064" (1.6 mm) mill finish 1100-0T alloy aluminum] [.032" (0.831 mm) 24 oz. copper] [0.031" (0.79 mm) 22 ga. Type 304 stainless steel]; [3" (76 mm)] [4" (102 mm)] [5"(127mm)] [6" (152 mm)] [7" (178 mm)] [8" (203 mm)] [9" (229 mm)] [10" (254 mm)] diameter; to CSA B272-93; with EPDM Base Seal, pre-molded urethane insulation liner, hood and [slotted collar] [perforated collar]; [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 Brunfels, TX), installed as per manufacturer's written instructions. Provide 20 year warranty against leaks, condensation and defects in materials and/or manufacture. 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.

TRADE SIZES
3" (76 mm)
4" (102 mm)
5" (127 mm)
6" (152 mm)
7" (178 mm)
8" (203 mm)
9" (229 mm)
10" (254 mm)

MODEL	HEIGHT
EVF-3	12" (305 mm) high
EVF-4	12" (305 mm) high

Add suffix -A for Aluminum or -C for Copper to Model No. e.g. EVF-3-A, etc.

REMOVABLE HOOD (ALUMINUM, COPPER OR STAINLESS STEEL)

CHERRY RIVETS HAVING 8274 kPa (1200 psi) SHEARING STRENGTH

EVF-4 (PERFORATED COLLAR)

EVF-3 (SLOTTED COLLAR)

STAINLESS STEEL SCREWS (TWO TOTAL)

URETHANE INSULATION PRE-MOLDED BETWEEN INNER AND OUTER SLEEVE

EPDM BASE SEAL BONDED TO METAL SLEEVE (SEE THALER EPDM FLASHING SEALS LITERATURE)

12" (305 mm)

THALER EXHAUST VENT FLASHING (ALUMINUM, COPPER OR STAINLESS STEEL)

MIN 8" (203 mm)

SHINGLE ROOF ILLUSTRATED. EMBED DECK FLANGE IN LAYER OF PLASTIC CEMENT

MIN 4" (102 mm)

MIN. 20" x 20" (508 mm x 508 mm) SQUARE BASE

NOTE: SPECIFY SLOPE (ROOF PITCH) WHEN ORDERING

12" (305 mm)

EXHAUST VENT

EVF-3 (Slotted Collar) | **EVF-4 (Perforated Collar)**

EXHAUST VENT FLASHING
PATENTED

DESCRIPTION:
Thaler EVF Dryer Exhaust Vent Flashings for sloped roofs consist of a double wall metal flashing sleeve with integral deck flange, matching removable hood (screw fastened), slotted collar (EVF-3) or perforated collar (EVF-4, pre-molded urethane insulation liner, and EPDM Base Seal. Available in aluminum or copper.

Diameter: 3" (76 mm), 4" (102 mm), 5" (127mm), 6" (152 mm), 7" (178 mm), 8" (203 mm), 9" (229 mm) and 10" (254 mm).
Height: 12" (305 mm) is standard.

PROMINENT FEATURES:
Condensation free. Moisture cannot penetrate ceiling space below due to integrity of EPDM Base Seal (see Thaler EPDM Flashing Seals literature). Also the cone-shaped hood is designed to re-direct any winter time condensation to the exterior rather than back into the vent space.

OPTIONS:
Slotted collar (for dryer exhaust) or perforated collar (for washroom exhaust). PVC coated deck flange for PVC roof membrane. Bituminous painted deck flange for BUR and ModBit roof membrane.

RECOMMENDED USE:
Primarily for dryer exhaust vent (with slotted collar) but may also be used for washroom vent (with perforated collar). Suitable for plastic, steel, stainless, copper or cast iron vents. See Installation (Precautions).

WARRANTY:
20 year warranty against leaks, condensation and defects in materials and/or manufacture when installed in accordance with Thaler "Installation Instructions". Warranty not valid where metal components are subjected to unusually harsh corrosive environments e.g. pulp mills, mining facilities and similar applications. Stainless steel only is recommended for these installations.

MAINTENANCE:
Slotted collar allows any lint to vent directly to exterior for dryer exhaust but should be checked and/or cleaned periodically. Hood is removable for cleaning if necessary. Otherwise EVF flashings are maintenance free.

SPECIFICATION (SHORT FORM):
Dryer [and washroom] exhaust vent flashing:
Thaler [EVF-3] [EVF-4] standard 12" (305 mm) high Dryer Exhaust Vent Flashing; [.064" (1.6 mm) mill finish 1100-0T alloy aluminum] [.032" (0.831 mm) 24 oz. copper][0.031" (0.79 mm) 22 ga. Type 304 stainless steel; [3" (76 mm)] [4" (102 mm)] [5" (127mm)] [6" (152 mm)] [7" (178 mm)] [8" (203 mm)] [9" (229 mm)] [10" (254 mm)] diameter; to CSA B272-93; with EPDM Base Seal, pre-molded urethane insulation liner, hood and [slotted collar] [perforated collar];[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.

INSTALLATION:
"Installation Instructions" are provided with every Thaler product. Essentially, Thaler EVF Flashings are installed by placing the flashing over the vent stack and as follows:

SHINGLE ROOFS: Set deck flange in layer of plastic cement, ensuring that flange is placed over shingles on down slope side of flashing and under shingles on up slope side.

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. 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 EVF Flashing. Note: for PVC membrane, specify PVC coated flashing by adding suffix P to end of model number, e.g. EVF-3-A-P; weld roofing to deck flange using PVC torch.

Precautions: Apply an asphaltic or other type protective coating to aluminum EVF 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. Ensure each exhaust fan is equipped with a damper to facilitate proper flashing function by preventing ice build up in winter.
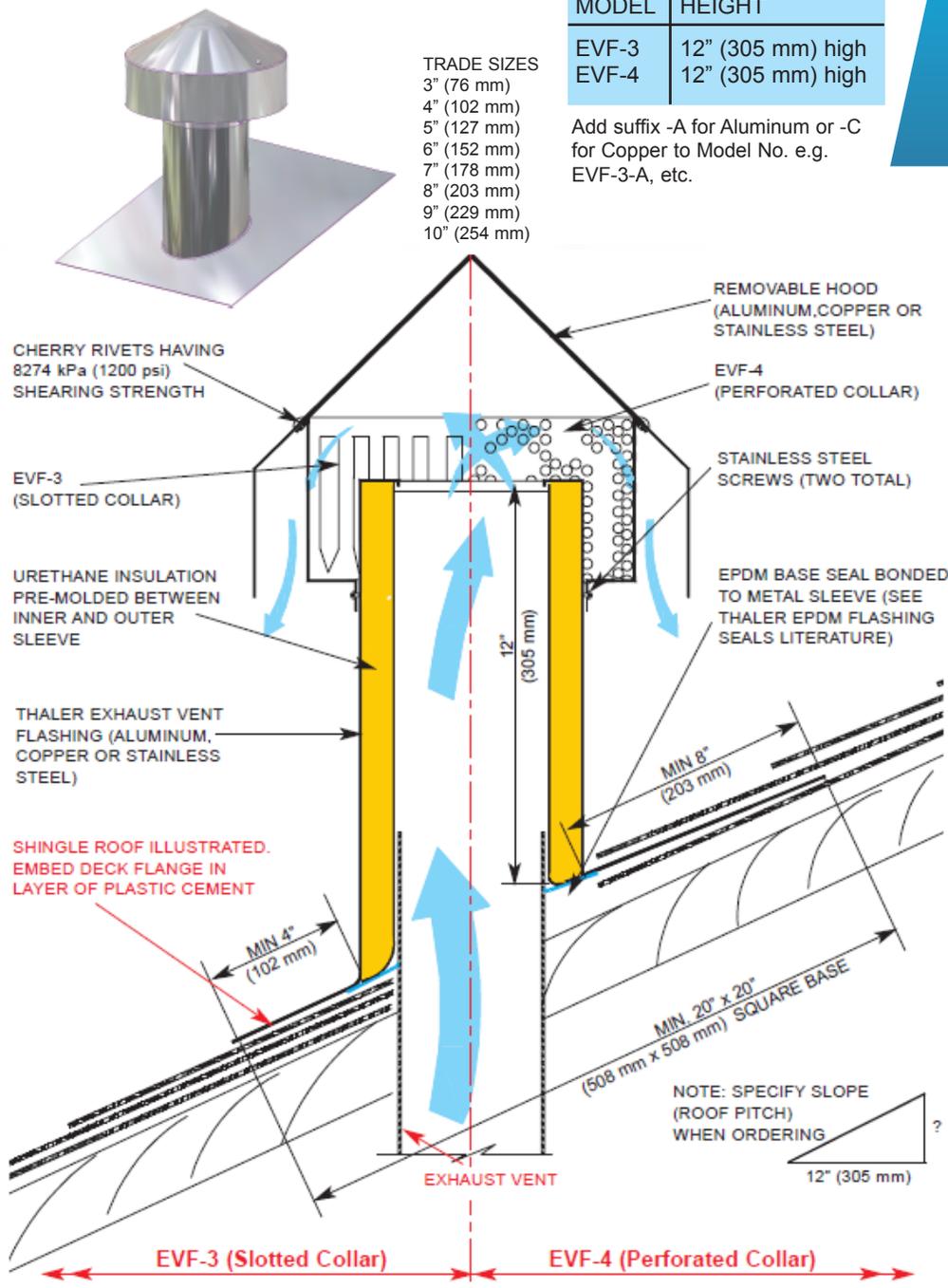
Ordering and Availability: Specify material required by adding appropriate suffix to model number e.g. EVF-1-A, for aluminum, etc.. Available throughout North America. Contact Thaler for list of distributors and current cost information. Most products are readily available from stock.

Please be advised Thaler products may undergo improvements from time to time and are subject to change without notice.

ROOF SPECIALTIES
**EXHAUST VENT
FLASHINGS**
SPECIFICATION

Note: This flashing 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 07200 - Thermal Protection

C. Section 07500 - Membrane Roofing

D. Section 07900 - Joint Sealers

E. 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)]

[E. CUFCA (Canadian Urethane Foam Contractor's Association)and CGSB-51-GP 46MP Manual for "Installers of Spray Polyurethane Foam Thermal Insulation" and ASTM C1029-90 "Spray Applied Rigid Cellular Polyurethane Thermal Insulation"]

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 manufacturer to have minimum 5 years documented experience in the design and fabrication of roofing specialties and accessories.

Please be advised Thaler products may undergo improvements from time to time and are subject to change without notice.

ROOF SPECIALTIES
STACK JACK™
FLASHINGS
SPECIFICATION

1.06   SPECIAL WARRANTY

A. Warrant products installed under this section of work to be free of leaks, condensation and defects in materials and/or manufacture 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 (New Braunfels, TX) or provide equal products by another manufacturer approved in advance by the [Architect], based upon:
   1. 20 year warranty against leaks, condensation and 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

Note: Delete clauses not applicable.

Note: Ensure each exhaust fan is equipped with a damper to facilitate proper flashing function by preventing ice build up in the winter.

Dryer Exhaust Vent Flashing (Flat/Low Slope Roofs)
Dryer [and washroom] exhaust vent flashing: Thaler [EVF-1] [EVF-2] standard 12" (305 mm) high Dryer Exhaust Vent Flashing; [.064" (1.6 mm) mill finish 1100-0T alloy aluminum] [.021" (0.53 mm) 16 oz copper]; [3" (76 mm)] [4" (102 mm)] [6" (152 mm)] [7" (176 mm)] [8" (203 mm)] [9" (229 mm)] [10" (254 mm)] diameter; to CSA B272-93; with EPDM Base Seal, pre molded urethane insulation iner, hood and [slotted collar] [perforated collar]; [PVC coated deck flange] [bituminous painted deck flange].

Dryer Exhaust Vent Flashing (Sloped Roofs)
Dryer [and washroom] exhaust vent flashing: Thaler [EVF-3] [EVF-4]standard 12" (305 mm) high Dryer Exhaust Vent Flashing; [.064" (1.6 mm) mill finish 1100-0T alloy aluminum] [.021" (0.53 mm) 16 oz copper]; [3" (76 mm)] [4" (102 mm)] [6" (152 mm)] [7" (176 mm)] [8" (203 mm)] [9" (229 mm)] [10" (254 mm)] diameter; to CSA B272-93; with EPDM Base Seal, pre molded urethane insulation iner, hood and [slotted collar] [perforated collar]; [PVC coated deck flange] [bituminous painted deck flange].

Please be advised Thaler products may undergo improvements from time to time and are subject to change without notice.

ROOF SPECIALTIES
STACK JACK™
FLASHINGS
SPECIFICATION

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

Note: Delete clauses not applicable.

    A. Install flashing in accordance with manufacturer's printed instructions.

BUR
    B. Set 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. Do not overheat (melt) EPDM Base Seal.

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 STACK JACK Flashing.

Note: For PVC membrane, specify PVC coated flashing by adding suffix P to end of Thaler model number, e.g. EVF-1-A-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
    A. Set deck flange in layer of plastic cement, ensuring that flange is placed over shingles on down slope side of flashing and under shingles on up slope 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