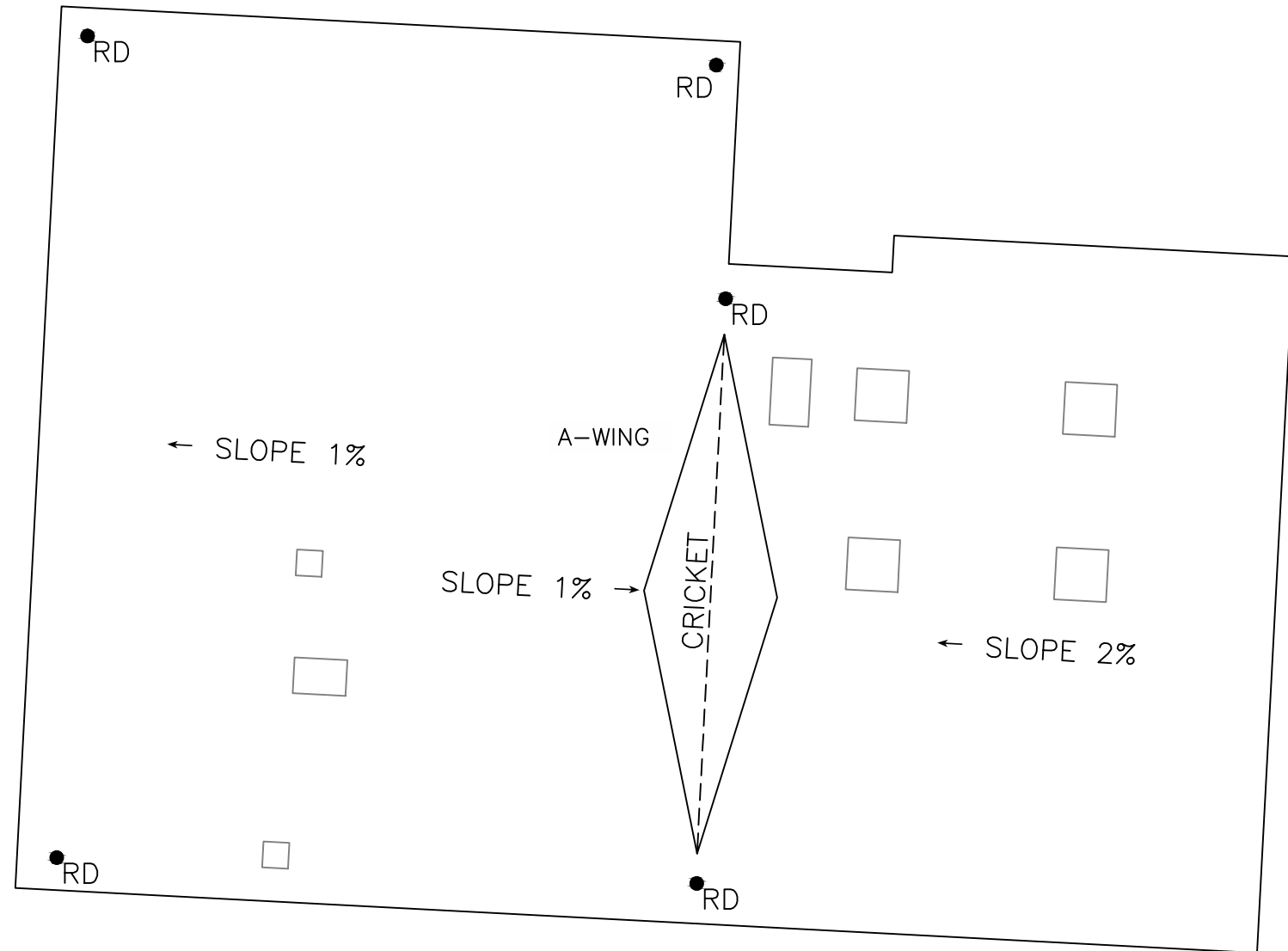


Regional District of Nanaimo
RDN TRANSPORTATION SERVICES BUILDING
6400 Applecross Road, Nanaimo BC



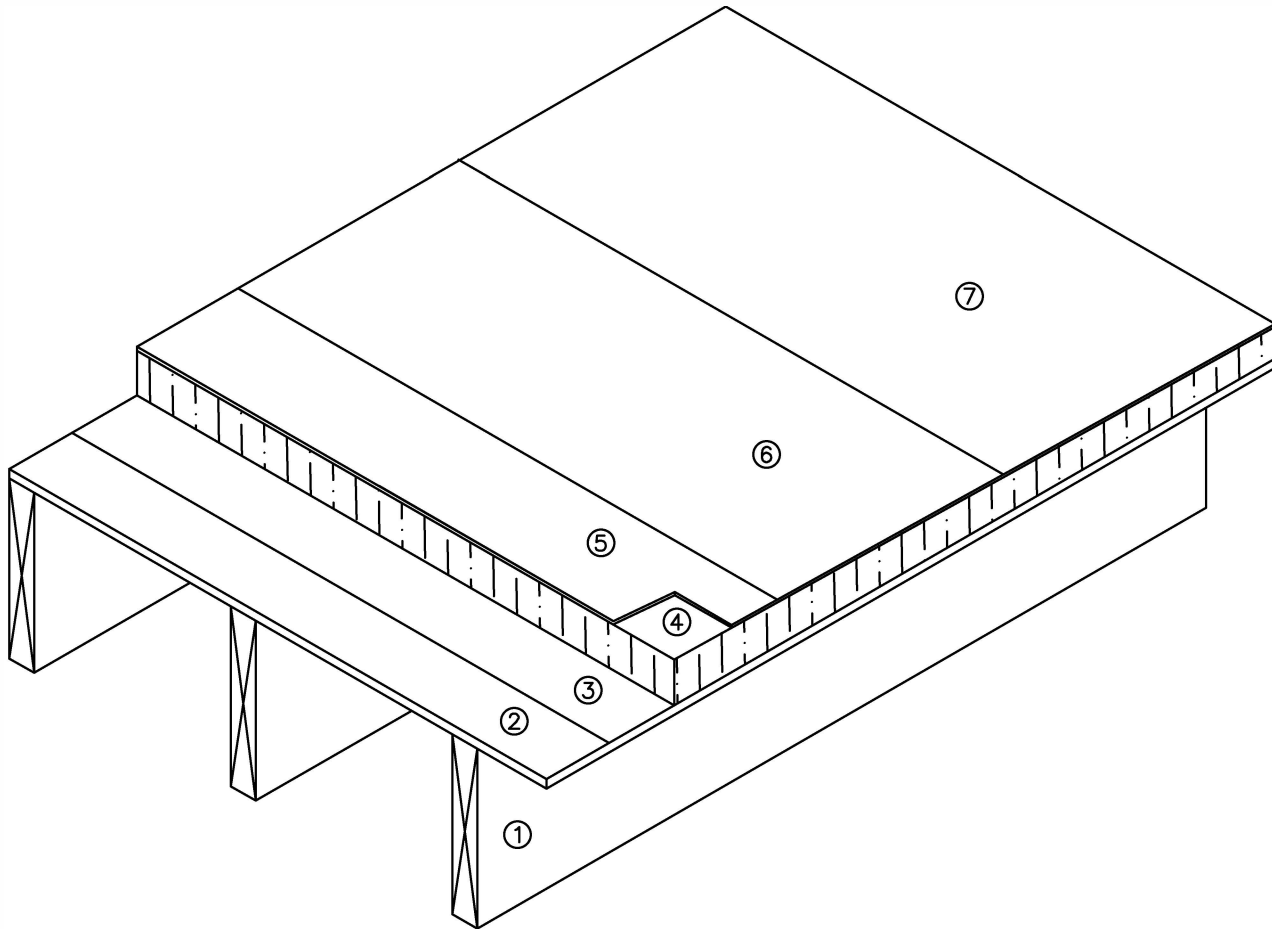
The purpose of this drawing is to illustrate the general nature of the work. All distances and conditions are approximate and should be verified by the contractor.

LEGEND			
Roof Drain	● _{RD}	HVAC	▣
Plumbing	○ _P	Chimney	⊠
Fan	□	Vent	□
Scupper	●	Plumbing Vent	⊙

Regional District Of Nanaimo
 RDN Transportation Services Building
 2016 Roof Replacement

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DESIGNED: JW	SCALE: NTS	DRAWING NUMBER: A-01
DRAWN: MR	DATE: August 8, 2016	

Roofing System Installation



1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
2. 12.5mm($\frac{1}{2}$ ") Plywood Deck
3. Existing Membrane (Vapour Barrier)
4. Sloped Polyisocyanurate Insulation
5. 4.5mm Asphalt Core Board
6. SBS Base Sheet
7. Torch Applied SBS Cap Sheet

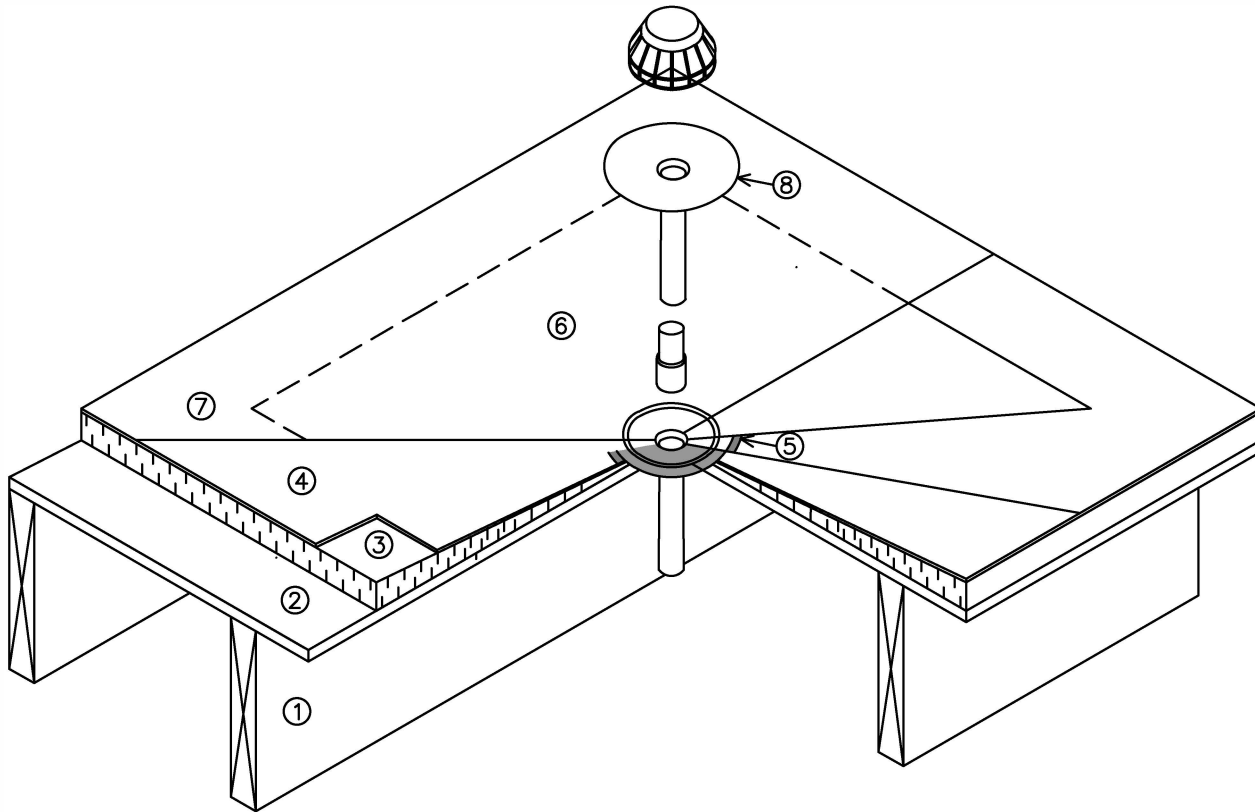
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DESIGNED: JW	SCALE:	DRAWING NUMBER:
DRAWN: MR	DATE: August 8, 2016	A-02

Spun Copper Drain



1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
2. Existing 12.5mm($\frac{1}{2}$ ") Plywood Deck and 11mm($\frac{7}{16}$ ") Asphalt Core Board
Asphalt
3. Sloped Polyisocyanurate Insulation
4. 4.5mm Asphalt Core Board
5. Approved Mastic
6. Membrane Flashing
7. Membrane Capsheet
8. Roof Drain Assembly – New Spun Aluminum or Copper With Mechanical Connection

Note: Base Sheet Eliminated for Clarity

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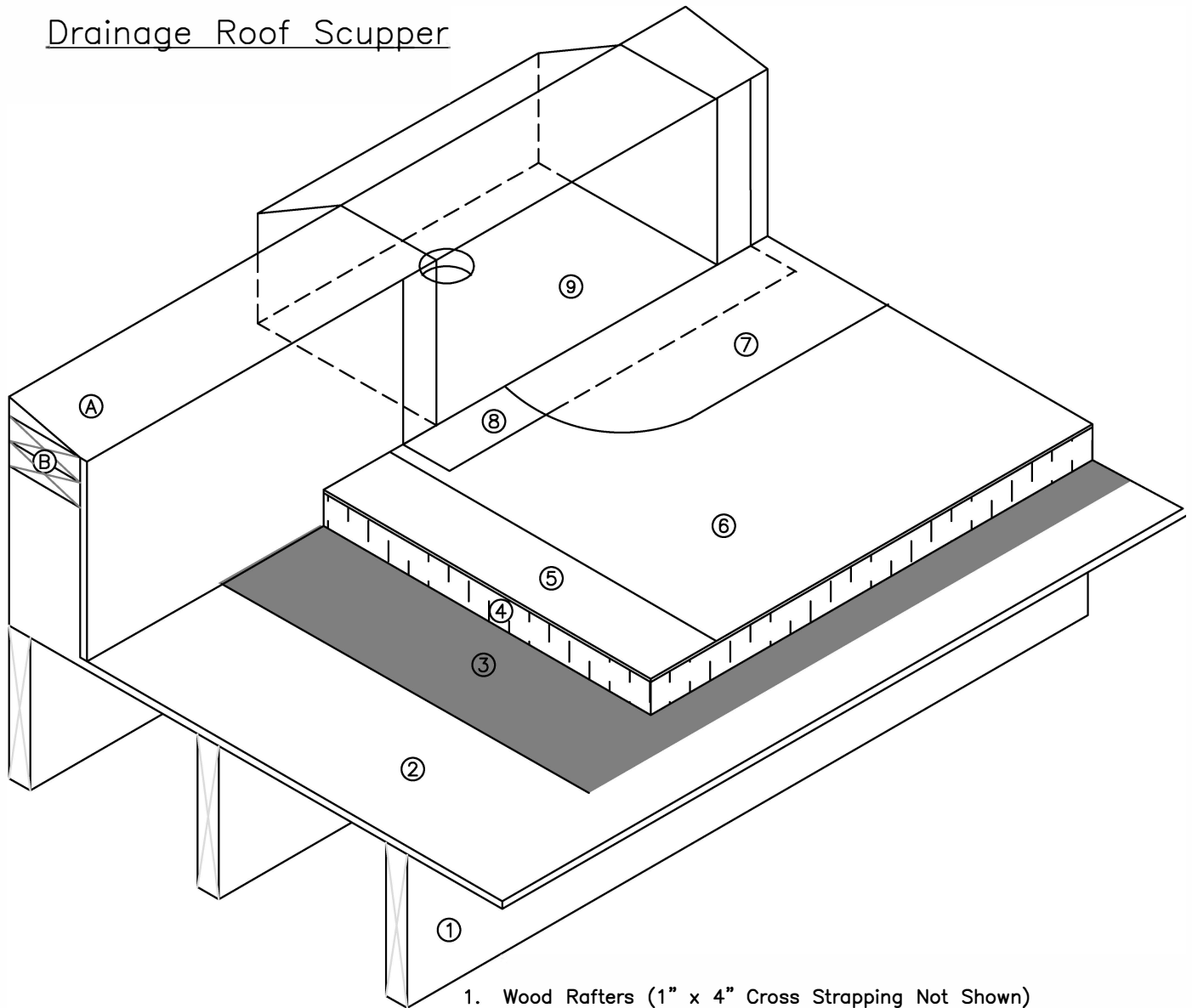
MR

DATE:

August 8, 2016

A-03

Drainage Roof Scupper

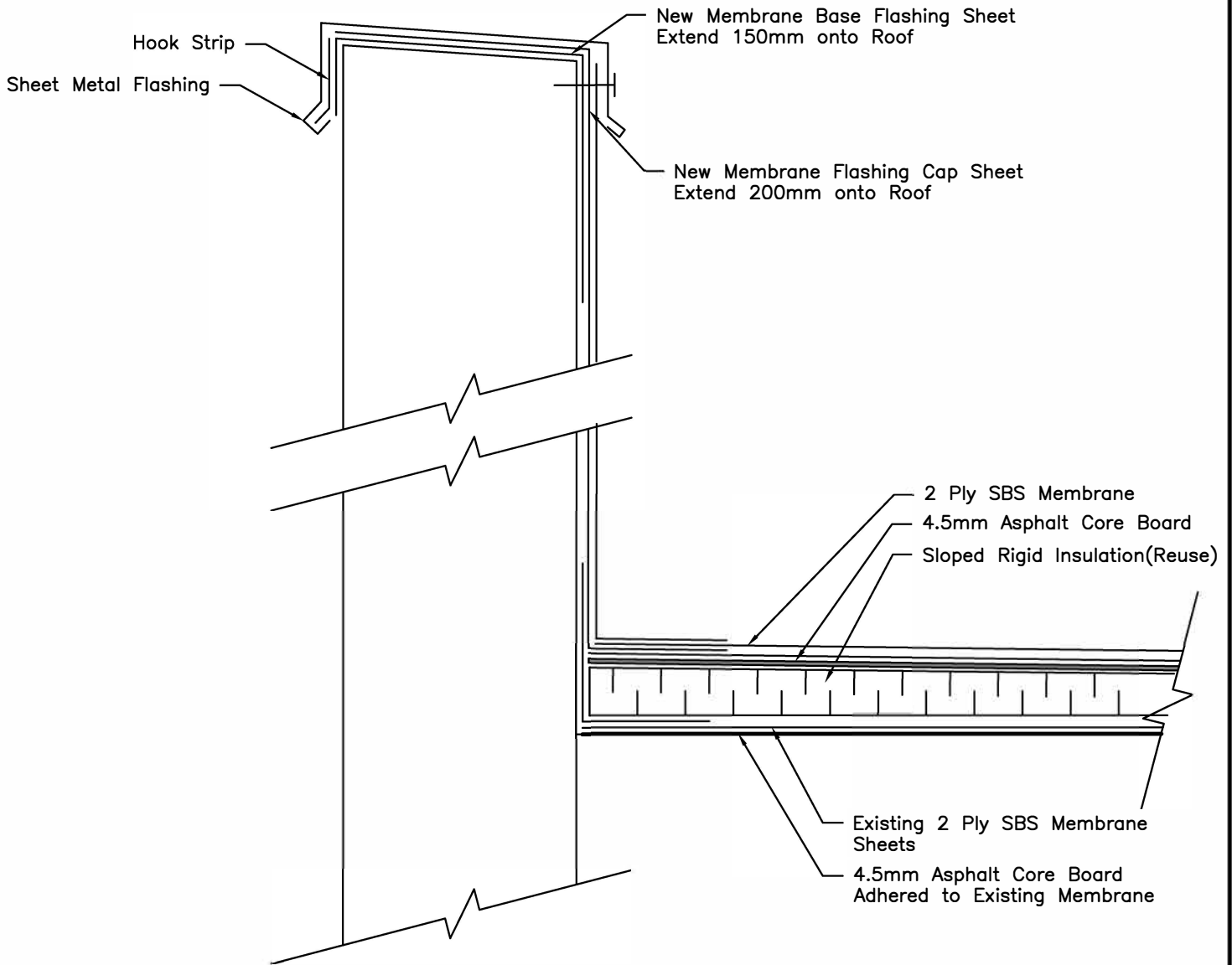


1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
 2. 12.5mm($\frac{1}{2}$ ") Plywood Deck
 3. Existing Membrane (Vapour Retarder)
 4. Sloped Polyisocyanurate Insulation
 5. 4.5mm Asphalt Core Board
 6. SBS Cap Sheet
 7. SBS Cap Sheet Flashing(Base Sheet Not Shown For Clarity)
 8. Non Ferrous Metal Scupper With Hopper
 9. Outside Face 50mm(2") Lower than Box Sides
- A. Sloped Wood Blocking Or Cant Strip
 B. Wood Blocking – Add to Maintain Minimum 100mm Above

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DESIGNED: JW	SCALE:	DRAWING NUMBER:
DRAWN: MR	DATE: August 8, 2016	A-04

ROOF SECTION THROUGH LOW PARAPET WALL TYPICAL



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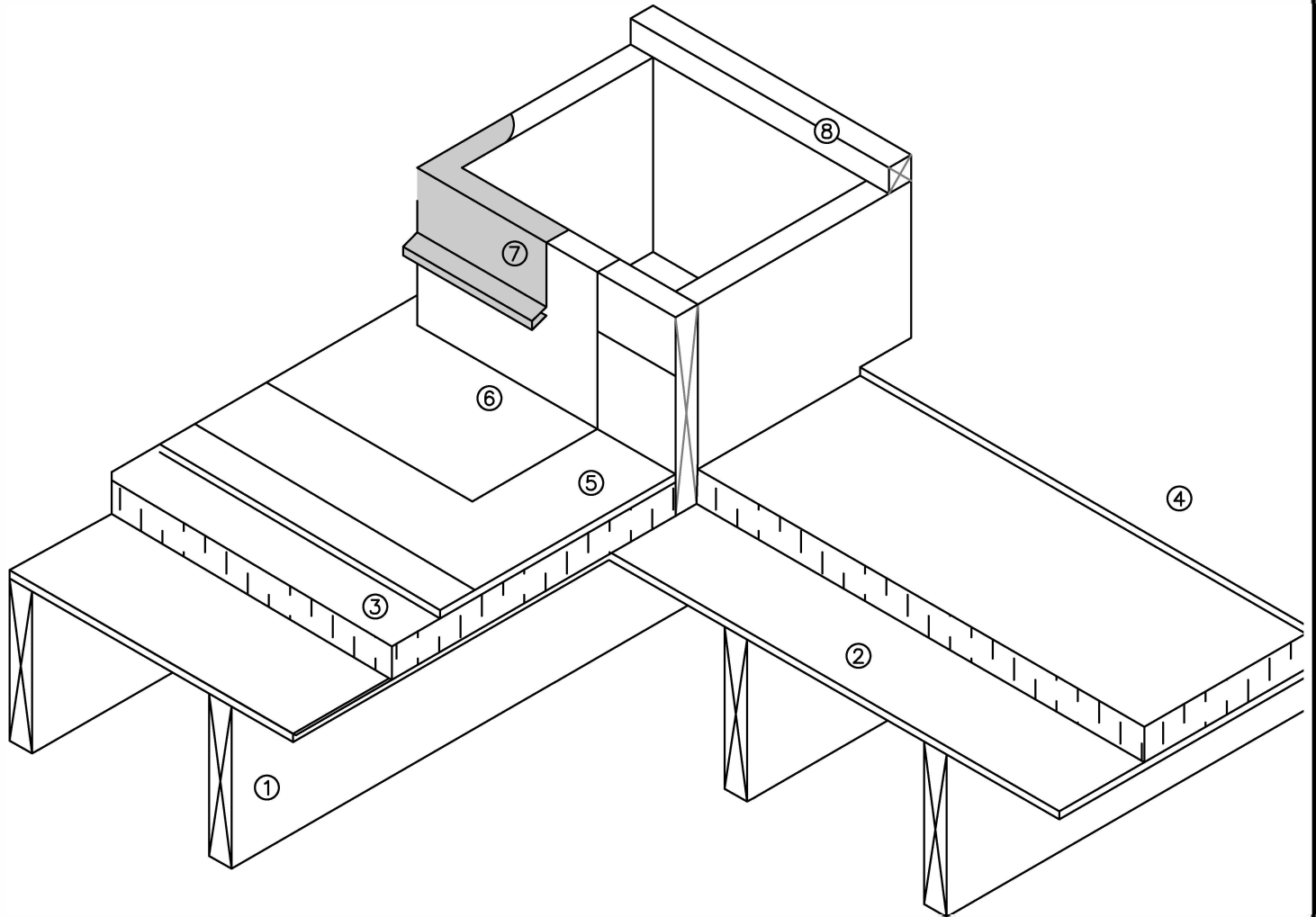
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A-05

FAN CURB TYPICAL



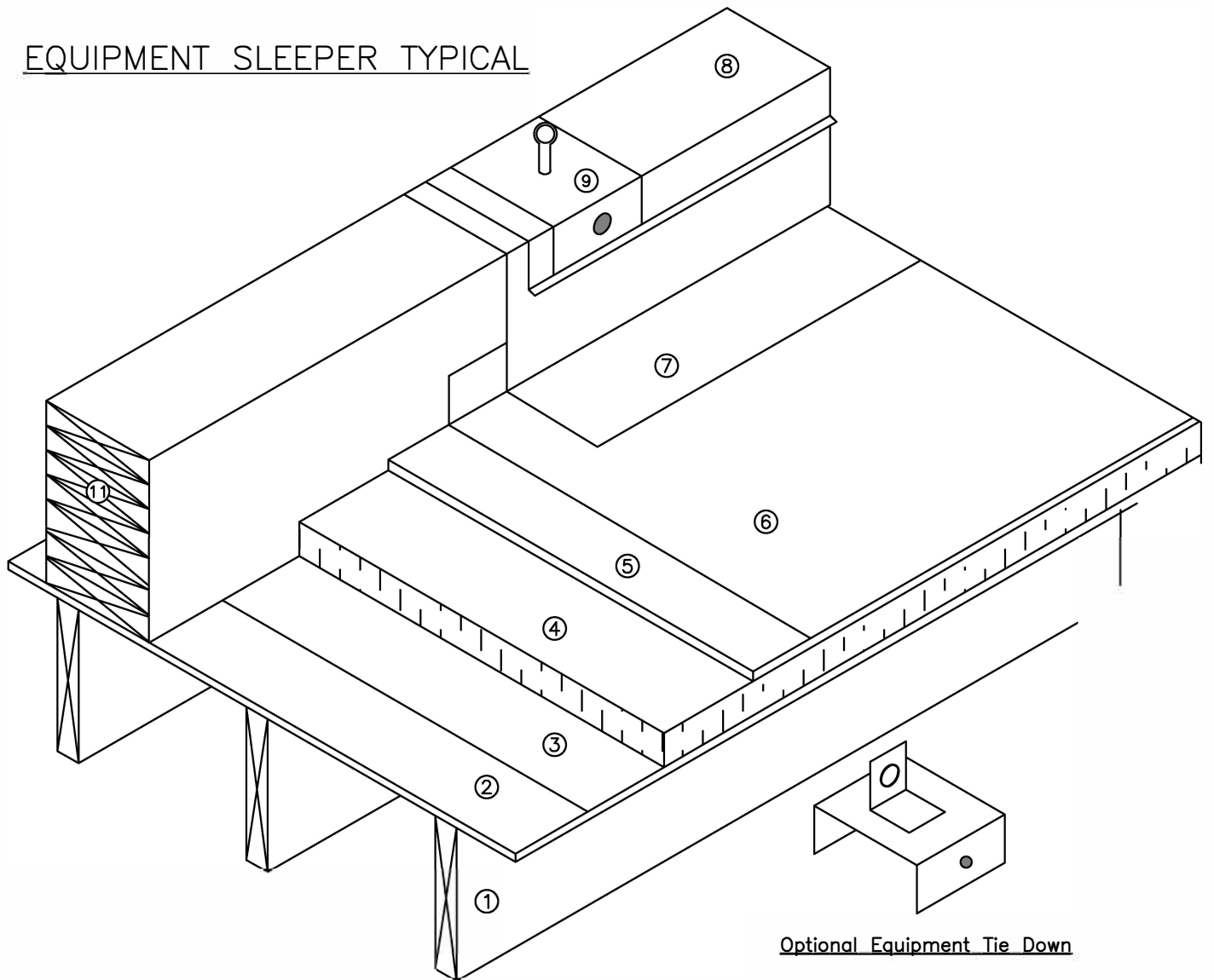
1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
2. Existing Membrane (Vapour Retarder)
3. 12.5mm($\frac{1}{2}$ ") Plywood Deck
4. Existing 11mm($\frac{7}{16}$ ") Asphalt Core Board in Asphalt
5. 12.5mm Xpressboard HD Mechanically Attached
6. SBS Cap Sheet(Base Sheet On Xpress Board)
7. SBS Cap Sheet Flashing(Base Sheet Not Shown For Clarity)
8. Prefinished Metal Flashing
9. Add Additional Wood Blocking to Maintain 200mm Above Finished Surface

Note: Base Sheet Note Shown For Clarity

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DESIGNED: JW	SCALE:	DRAWING NUMBER:
DRAWN: MR	DATE: August 8, 2016	A-06

EQUIPMENT SLEEPER TYPICAL



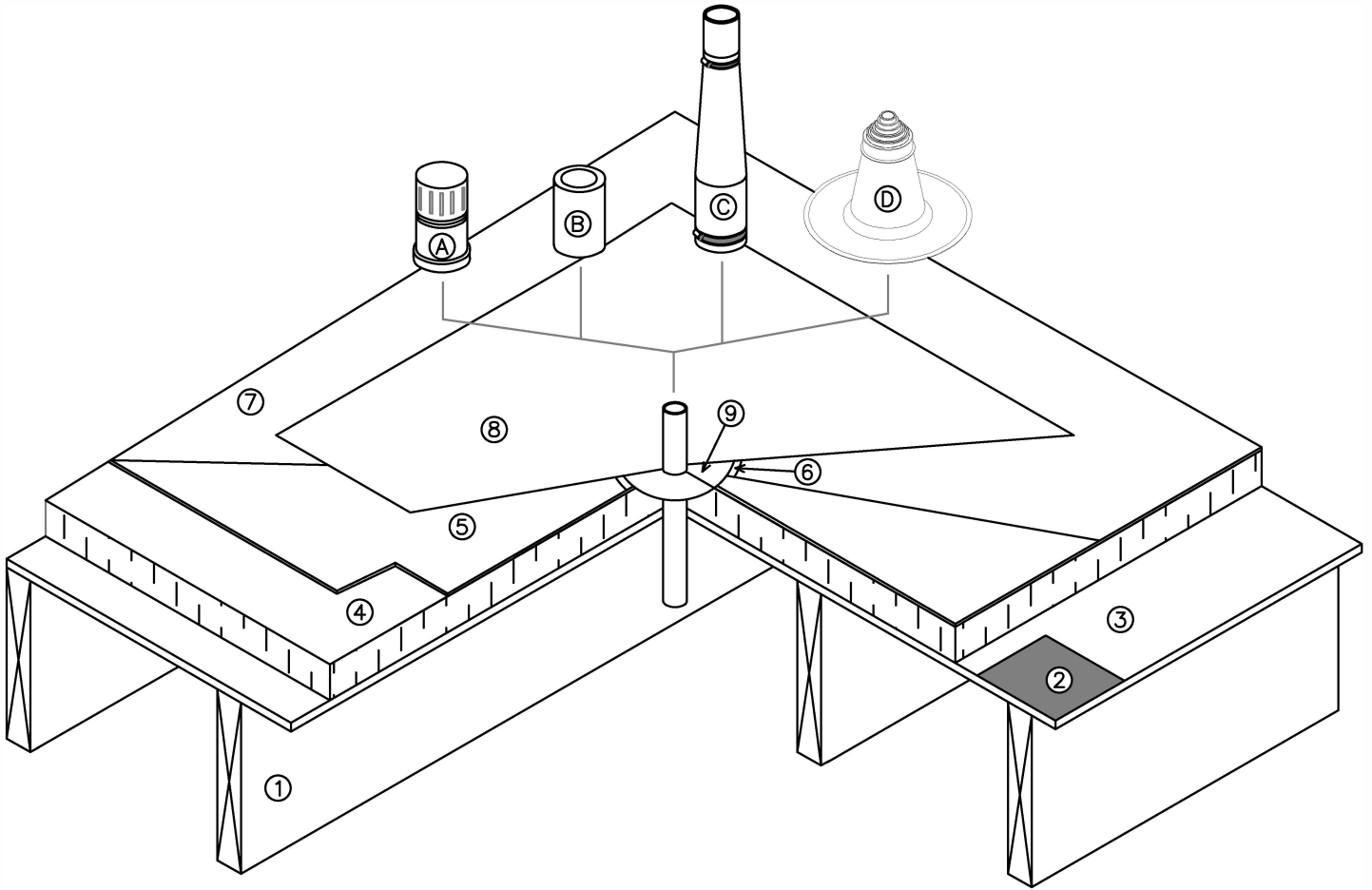
1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
2. 12.5mm($\frac{1}{2}$ ") Plywood Deck
3. Existing Membrane (Vapour Retarder)
4. Sloped Polyisocyanurate Insulation
5. 4.5mm Asphalt Core Board
6. SBS Cap Sheet(Base Sheet Not Shown For Clarity)
7. SBS Cap Sheet Flashing(Base Sheet Not Shown For Clarity)
8. Prefinished Metal Flashing
9. Metal Saddle Sleeper Attachment with Lag Bolt
10. Sleeper 2"x6" Stacked or 6"x6" Timber

Optional Equipment Tie Down

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DESIGNED: JW	SCALE:	DRAWING NUMBER:
DRAWN: MR	DATE: August 8, 2016	A-07

METAL PLUMBING FLASHING



1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
 2. Existing Membrane (Vapour Barrier)
 3. Sloped Rigid Insulation (Adhesive Applied)
 4. 4.5mm Asphalt Core Board In Adhesive
 5. Approved Mastic
 6. Membrane Flashing
 7. Membrane Base Sheet(Cap Sheet Not Shown For Clarity)
 8. Welded Aluminum Pipe Flashing
-
- A. Typical Aluminum Cap
 - B. Typical Lead Cap
 - C. Rubber Collar With Clamps
 - D. 5 Skin Flashing

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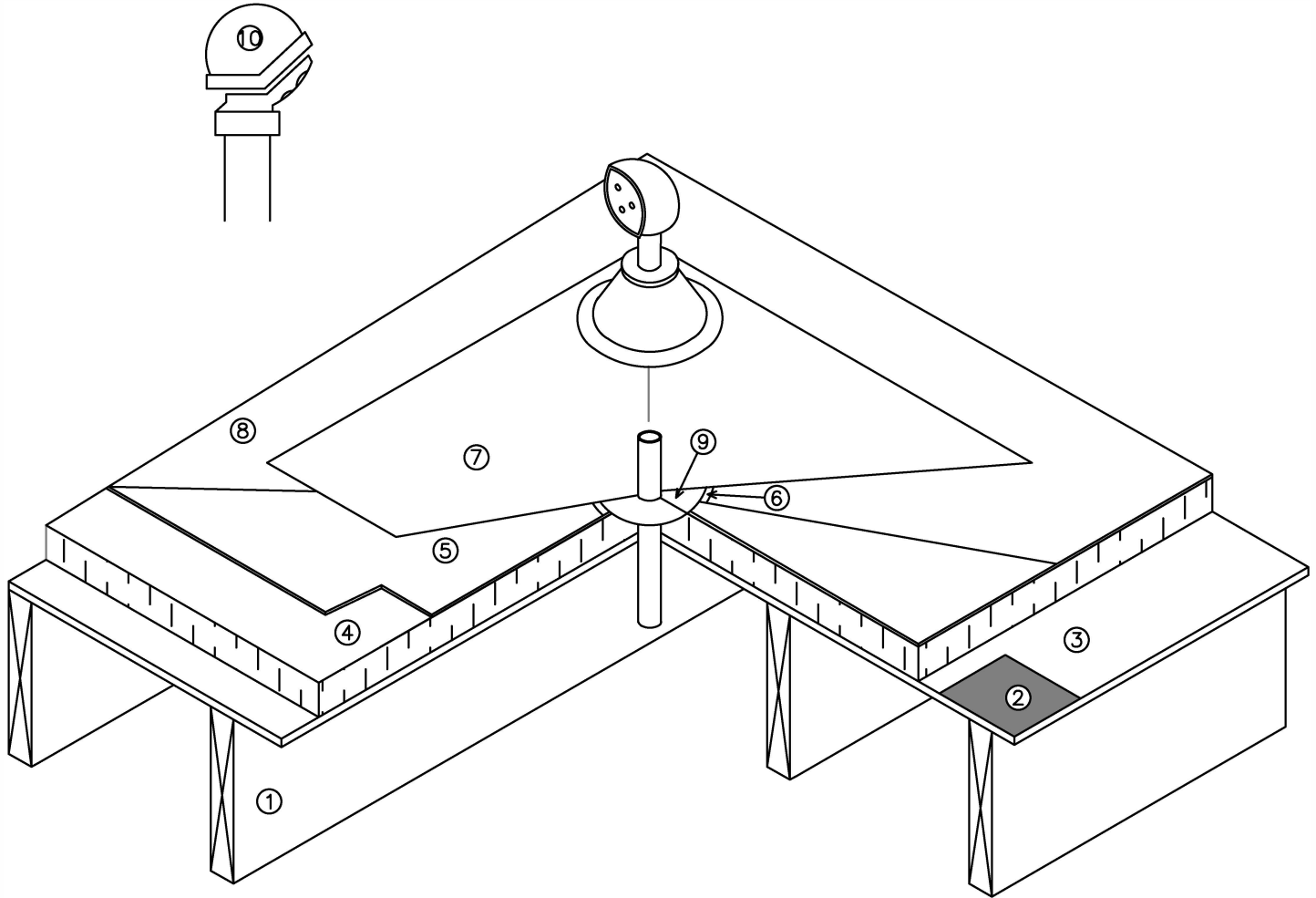
MR

DATE:

August 8, 2016

A-08

Cable Flashing On Wood Deck



1. Wood Rafters (1" x 4" Cross Strapping Not Shown)
2. 12.5mm($\frac{1}{2}$ ") Plywood Deck
3. Existing Membrane (Vapour Barrier)
4. Sloped Rigid Insulation (Adhesive Applied)
5. 4.5mm Asphalt Core Board In Adhesive
6. Approved Mastic
7. Membrane Flashing
8. Membrane Base Sheet(Cap Sheet Not Shown For Clarity)
9. Menzies Gooseneck Flashing or Approved Equivalent

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Regional District Of Nanaimo

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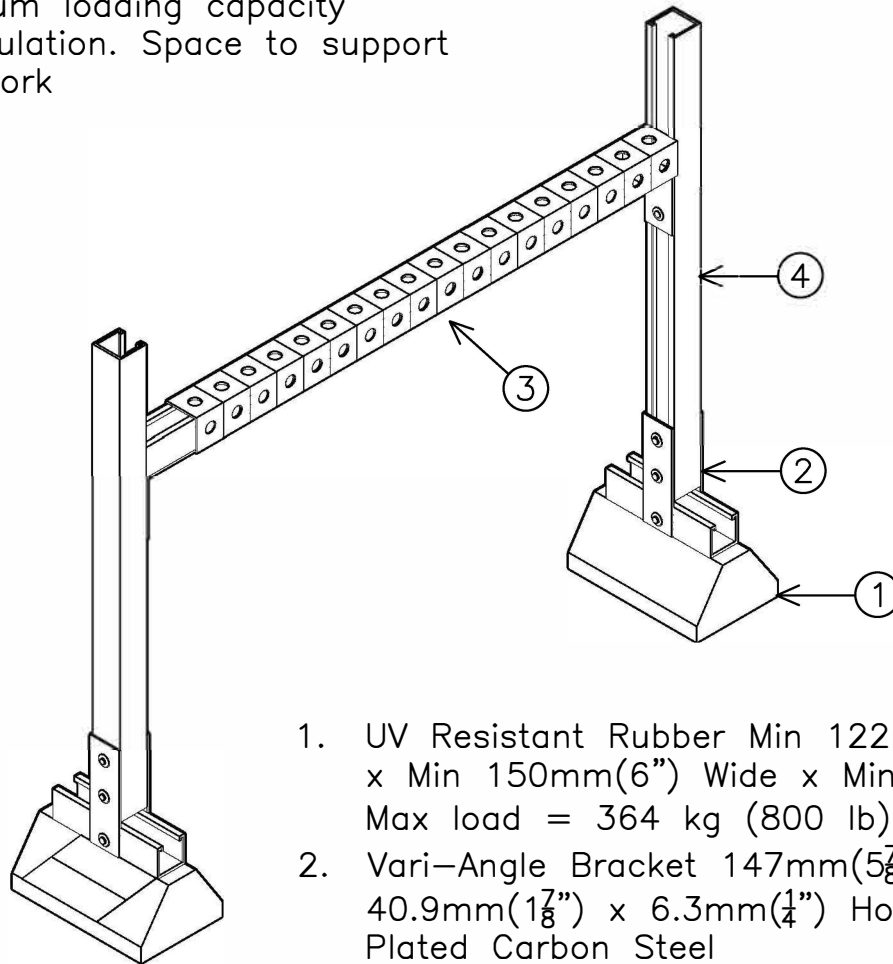
August 8, 2016

A-09

MIFAB DSA10 DUCT SUPPORT
(OR APPROVED ALTERNATIVE)

NOTE:

Do not exceed manufacturers maximum loading capacity for insulation. Space to support duct work



1. UV Resistant Rubber Min 122mm(4⁷/₈") High x Min 150mm(6") Wide x Min 237mm(9.6")
Max load = 364 kg (800 lb)
2. Vari-Angle Bracket 147mm(5⁷/₈") x 40.9mm(1⁷/₈") x 6.3mm(1/4") Hot Rolled, Zinc Plated Carbon Steel
3. Telescopic Crossbeam 40.9mm(1⁷/₈") x 40.9mm(1⁷/₈") 12 Gauge Galvanized Steel Channel
4. 14 Gauge Galvanized Steel Channel

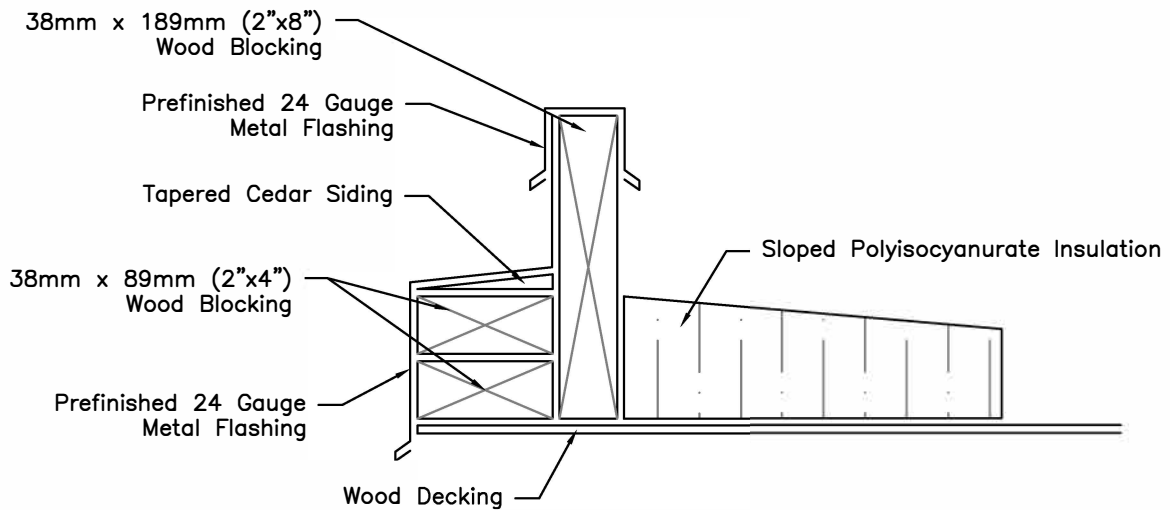
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PARAPET DETAIL SLOPED INSULATION



NOTE: Roof membrane not shown for clarity

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DRAWN: MR	DATE: August 8, 2016	A-11