A 200 Fully Adhered EPDM Construction Details

A2.1  Pitch Pan Detail
A2.2  Hi Temp Pipe Detail
A2.3  Class B Vent Detail
A2.4  Vent Stack Detail
A2.5  Roof Drain Detail
A2.6  Fascia Detail
A2.7  Multiple Fascia Detail
A2.8  Snap On Fascia Detail
A2.9  Coping Detail
A2.10 Butt End @ Coping Detail
A2.11 Reglet & 2 PC. Counter flashing Detail
A2.12 Surface Mount Counter flashing Detail
A2.13 Expansion Joint Detail
A2.14 Wall Exp. Joint Detail
A2.15 Roof Curb Detail
A2.16 Roof Hatch Detail
A2.17 Wood Build Sleeper Curb Detail
A2.18 Prefab. Metal Sleeper Curb Detail
A2.19 Equipment Support w/Pipe Chase Detail
A2.20 Multiple Pipe Support Detail
A2.21 Louver Flashing Min. Height Detail
A2.22 Window Flashing Min. Height Detail
A2.23 Door Flashing Min. Height Detail
A2.24 Wood Build Pipe Support Detail
A2.25 Iron Build Pipe Support Detail
A2.26 Wood Build Duct Support Detail
A2.27 Adjustable Duct Support Detail
A2.28 Equipment Support Stand Detail

Click for DFD Master Specifications

http://www.doa.state.wi.us/dsf/masterspec_view_new.asp?catid=37&locid=4
**Pitch Pan Detail**

No Scale: SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.
Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

HIGH TEMP PIPE DETAIL

SEE SECTION 07 53 23
FOR INSTALLATION INSTRUCTIONS
Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

CLASS B VENT PIPE DETAIL
NO SCALE:
SEE SECTION 07 53 23
FOR INSTALLATION INSTRUCTIONS
NOTE:
1. CONTRACTOR TO RAISE EXISTING VENT STACK IF NEEDED TO REACH A 8" MIN. HEIGHT
2. MINIMUM PIPE EXTENSION SHALL BE 4"

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS
NOTE:
1. CONTRACTOR MAY HAVE TO CUT OUT EXISTING DRAIN SUMP TO ALLOW FOR INSTALLATION OF NEW INSULATION AND DRAIN SUMP

MIN DRAIN SUMP 48"X48"

DRRAINER REPLACE IF BROKEN OR MISSING WITH NEW CAST IRON STRAINER

INSULATION AS SPECIFIED

TAPERED INSULATION TO MATCH EXISTING DRAIN BOWL HEIGHT 3/4" PER FT MAX SLOPE

EPDM UNDER CLAMPING RING AND SEALED TO BOWL WITH WATER STOP MASTIC

CLAMPING RING REPLACE IF BROKEN OR MISSING

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS

ROOF DRAIN DETAIL

A2.5
Pressure Treated Plywood and Lumber: Those products shall not be specified or provided for use in roofing projects as a substrate material.
Modify Fascia Metal Left in Place OR Multiple Fascia Metal

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

MUTLIPLE FASCIA DETAIL

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS
Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS
COPING DETAIL

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS
NOTE:
1. Contractor may have to cut new reglet as required to achieve a 8" min. flashing height.
1 PART POLYURETHANE SEALANT
METAL SURFACE MOUNT COUNTER FLASHING
ADHERE MEMBRANE UP WALL AND FASTEN TOP WITH ALUMINUM COMPRESSION BAR 12" O/C
INSTALL WATER STOP SEALANT BEHIND EPDM
REINFORCED PERIMETER SECUREMENT STRIP WITH FASTENER PLATES 12" O/C
MEMBRANE AS SPECIFIED
INSULATION AS SPECIFIED
MECHANICAL FASTENER AND/OR ADHESIVE

SURFACE MOUNT COUNTERFLASHING DETAIL

SEE SECTION 07 53 23
FOR INSTALLATION INSTRUCTIONS

State of Wisconsin
Department of Administration
Division of Facilities Development

TYPICAL DF&D STANDARD
FULLY ADHERED EPDM DETAIL

Sheet Title: SURFACE MOUNT C/F DETAIL
Rev-01/20/2014

A2.12
Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

NOTE:
1. CONTRACTOR MAY USE EXISTING WOOD CONSTRUCTION IF IN SOUND CONDITION
2. CONTRACTOR MAY HAVE TO RAISE EXISTING JOINT

EXP. JT. DETAIL

SEE SECTION 07 53 23
FOR INSTALLATION INSTRUCTIONS
NOTE:
1: CONTRACTOR MAY HAVE TO CUT OUT EXISTING INSULATION TO INSTALL WOOD BLOCKING.
2: CONTRACTOR MAY USE EXISTING WOOD CONSTRUCTION IF IN SOUND CONDITION
3: CONTRACTOR MAY HAVE TO CUT NEW REGLET AS REQUIRED TO ACHIEVE A 8" MIN. FLASHING HEIGHT

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

WALL EXP. JOINT DETAIL

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS

TYPICAL DFD STANDARD
FULLY ADHERED EPDM DETAIL

Sheet Title: WALL EXP. JT. DETAIL    Rev-01/20/2014
Sheet Number A2.14
NOTE:
1. CONTRACTOR TO RAISE ALL EXISTING UNITS / CURBS IF NEEDED TO MAINTAIN AN 8" MIN. FINISHED FLASHING HEIGHT.
2. PROVIDE TAPERED SADDLES BEHIND CURBS.
3. REMOVABLE HOOD, SINGLE PLY TERMINATED AT INTERIOR OF CURB. NON REMOVABLE HOOD, REQUIRE TERM BAR AND METAL COUNTER FLASHING.

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.

SEE SECTION 07 53 23 FOR INSTALLATION INSTRUCTIONS
NOTE:
1: CONTRACTOR TO RAISE ALL EXISTING UNITS / CURBS IF NEEDED TO MAINTAIN AN 8" MIN. FINISHED FLASHING HEIGHT.
2: PROVIDE TAPERED SADDLES BEHIND CURBS.
3: PROVIDE METAL COUNTERFLASHING AT ALL CURBS ETC.

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material.
NOTE:
1. CONTRACTOR TO RAISE ALL EXISTING UNITS / CURBS IF NEEDED TO MAINTAIN AN 8" MIN. FINISHED FLASHING HEIGHT.
2. PROVIDE TAPERED SADDLES BEHIND CURBS.
3. PROVIDE PREFINISHED METAL COUNTERFLASHING AT ALL CURBS ETC.

Wood Blocking as required

18" MIN.

Wood Blocking

Metal Receiver Cap
Flexible Flashing (.045 EPDM)
Metal Counter Flashing
Run Membrane up Wall and Fasten Top Edge 8" O.C.
Reinforced Perimeter Securement Strip with Fastener Plates 12" O.C.
Membrane as Specified
Insulation as Specified
Mechanical Fastener and/or Adhesive

Pressure Treated Plywood and Lumber. These products shall not be specified or provided for use in roofing projects as a substrate material.

WOOD BUILD SLEEPER CURB DETAIL

SEE SECTION 07 53 23
FOR INSTALLATION INSTRUCTIONS
NOTE:
1. CONTRACTOR TO RAISE ALL EXISTING UNITS / CURBS IF NEEDED TO MAINTAIN AN 8” MIN. FINISHED FLASHING HEIGHT.
2. PROVIDE TAPERED SADDLES BEHIND CURBS.
3. PROVIDE METAL COUNTER FLASHING AT ALL CURBS ETC.

MATERIALS:
- METAL RECEIVER CAP
- FLEXIBLE FLASHING (.045 EPDM)
- METAL COUNTERFLASHING
- RUN MEMBRANE UP WALL AND FASTEN TOP EDGE 8” O/C.
- REINFORCED PERIMETER SECUREMENT STRIP WITH FASTENER PLATES 12” O/C
- MEMBRANE AS SPECIFIED
- INSULATION AS SPECIFIED
- MECHANICAL FASTENER AND/OR ADHESIVE

PROGRESS TREATED PLYWOOD AND LUMBER: THESE PRODUCTS SHALL NOT BE SPECIFIED OR PROVIDED FOR USE IN ROOFING PROJECTS AS A SUBSTRATE MATERIAL.

PREFAB. METAL SLEEPER CURB DETAIL
SEE SECTION 07 53 23
FOR INSTALLATION INSTRUCTIONS

Sheet Title: SLEEPER CURB DETAIL  Rev-01/20/2014

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES DEVELOPMENT

TYPICAL DFAD STANDARD
FULLY ADHERED EPDM DETAIL

Scale: NO
DFAD Number: NO
Type: RD
Status: Final
Sheet Number: A2.18
NOTES TO SPECIFIER:
COORDINATE ROOFING TYPE AND INCLUDE APPLICABLE CURB DETAILS.
PROVIDE INTERNAL JOISTS UNDER UNIT IF NEEDED TO SUPPORTADDED
WEIGHT. COORDINATE WITH THE STRUCTURAL ENGINEER AND ADD
REQUIREMENTS TO THE DRAWINGS.

NOTE:
1: PROVIDE INTERNAL JOISTS UNDER UNIT IF NEEDED
TO SUPPORT ADDED WEIGHT
2: CURB MUST BE 12" MIN. HEIGHT OFF OF FINISHED
ROOFING MEMBRANE

FILL BOX WITH COMPRESSIBLE
INSULATION
SEAL PIPES WITH 1 PART
POLYURETHANE SEALANT

ELECT. DISCONNECT
MOUNTED TO SIDE OF PIPE BOX
WEATHERPROOF 110 ELECT. DUPLEX

OPTIONAL
WOOD BUILD CURB
(PROVIDE INTERNAL JOISTS
UNDER UNIT IF REQUIRED)

OPTIONAL
PRE FABRICATED METAL CURB
(IF NOT INSULATED PROVIDE INSULATION
(PROVIDE INTERNAL JOISTS UNDER UNIT IF REQUIRED)

GALVANIZED METAL COPING CAP
W/SOLDERED JOINTS

WOOD NAILER
2 X WOOD BLOCKING TO STABILIZE CURB

PRESSURE TREATED PLYWOOD AND LUMBER. THESE PRODUCTS SHALL NOT BE
SPECIFIED OR PRODUCED FOR USE IN ROOFING PROJECTS AS A SUBSTRATE MATERIAL

EQUIPMENT SUPPORT W/PIPE CHASE DETAIL

NO SCALE:

A2.19
EPDM PIPING BOOTS. COORDINATE OPENING QUANTITIES WITH ALL TRADES. THIS INCLUDES ELECTRICAL CONDUIT AND CONTROLS CONDUIT.

SEAL BOOT TO PIPING USING STAINLESS STEEL BAND CLAMP.

SEAL BOOT TO ABS CAP USING STAINLESS STEEL BAND CLAMP OR MECHANICAL LOCKING SEAL.

FILL CURB WITH COMPRESSIBLE INSULATION.

ATTACH CAP TO CURB PER MANUFACTURERS INSTRUCTIONS.

NOTES TO SPECIFIER:
COORDINATE ROOFING TYPE AND INCLUDE APPLICABLE CURB DETAILS.
PROVIDE INTERNAL JOISTS UNDER UNIT IF NEEDED TO SUPPORT ADDITIONAL WEIGHT. COORDINATE WITH THE STRUCTURAL ENGINEER AND ADD REQUIREMENTS TO THE DRAWINGS.

OPTIONAL WOOD BUILD CURB.
(PROVIDE INTERNAL JOISTS UNDER UNIT IF REQUIRED.)

OPTIONAL PRE FABRICATED METAL CURB.
(IF NOT INSULATED) PROVIDE INSULATION
(PROVIDE INTERNAL JOISTS UNDER UNIT IF REQUIRED.)

MULTIPLE PIPE PENETRATIONS THRU ROOF DETAIL

Pressure Treated Plywood and Lumber. These products shall not be specified or provided for use in roofing projects as a substrate material.
LOUVER INSTALLATION DETAIL

NOTES:
1. SEAL ALL DUCT JOINTS, CORNERS AND SEAMS WATERTIGHT USING SEALANT AND OR SOLDERING. REFER TO SPECIFICATION SECTION 23.31.00 FOR ACCEPTABLE SEALANTS TO BE UTILIZED IN DUCT SYSTEMS.

NOTES TO SPECIFIER:
COORDINATE ACCESS DOOR SIZES AND LOCATIONS FOR EACH INDIVIDUAL PROJECT. THE SIZE LISTED IS A MINIMUM SIZE INTENDED TO BE USED FOR SMALLER SIZE LOUVERS/DUCTS AND SHOULD NOT BE UTILIZED FOR ALL DESIGNS.
WINDOW FLASHING MIN. HEIGHT DETAIL

1 PART POLYURETHANE SEALANT TO SEAL WINDOW

WINDOW

METAL THRU WALL RECEIVER AND COUNTERFLASHING

BUTYL TAPE ON ALL THRU WALL METAL JOINTS

8" MIN. OFF FINISHED ROOF

TYPICAL DFD STANDARD
FULLY ADHERED EPDM DETAIL

NO SCALE:
NOTE:
1. THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY.
   CONSTRUCTION MAY VARY FOR DIFFERENT APPLICATIONS
2. SEE TABLE BELOW FOR REQUIRED HEIGHTS & WIDTHS

WIDTH OF EQUIPMENT  OFF FINISHED ROOF

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UP TO 36”</td>
<td>18”</td>
</tr>
<tr>
<td>37” AND UP</td>
<td>36”</td>
</tr>
</tbody>
</table>

NOTE:
SEE DETAIL A.16 FOR CURB CONSTRUCTION & HEIGHT
SET BOLTS IN SEALANT

ADJUSTS VERTICALLY & HORIZONTALLY

WOOD BUILD PIPE SUPPORT DETAIL

NO SCALE

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES DEVELOPMENT

TYPICAL DPD STANDARD
FULLY ADHERED EPDM DETAIL

PIPE SUPPORT DETAIL
Rev-01/20/2014
NOTE:
1. THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY, CONSTRUCTION MAY VARY FOR DIFFERENT APPLICATIONS
2. SEE TABLE BELOW FOR REQUIRED HEIGHTS & WIDTHS

<table>
<thead>
<tr>
<th>WIDTH OF EQUIPMENT</th>
<th>OFF FINISHED ROOF</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP TO 36&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>37&quot; AND UP</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

HEIGHT - SEE TABLE
BASE PLATE ANCHORED TO DECK
WIDTH - SEE TABLE
CAP TOP TO MAKE WATER TIGHT
ADJUSTS VERTICALLY & HORIZONTALLY
ADJUSTS VERTICALLY
SEE STACK FLASHING DETAIL FOR LEGS

IRON BUILD PIPE SUPPORT DETAIL

NO SCALE:

TYPICAL DFAD STANDARD
FULLY ADHERED EPDM DETAIL

PIPE SUPPORT DETAIL
Rev-01/20/2014

A2.25
NOTE:
1: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY, CONSTRUCTION MAY VARY FOR DIFFERENT APPLICATIONS
2: SEE TABLE BELOW FOR REQUIRED HEIGHTS & WIDTHS

NOTE:
REFER TO SPECIFICATIONS FOR
1: INSULATION TYPE & THICKNESS
2: ROOFING SYSTEM SPECIFICS

DUCT SUPPORT
SET BOLTS IN SEALANT
NEOPRENE PAD
METAL COPING W/RECEIVER
METAL COUNTER FLASH
.045 EPDM FLEXIBLE FLASHING

WOOD CURB
WOOD NAILERS

8" MIN

WIDTH OF EQUIPMENT OFF FINISHED ROOF

<table>
<thead>
<tr>
<th>Width</th>
<th>Off Finished Roof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 36&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>37&quot; and up</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

WOOD BUILD DUCT SUPPORT DETAIL

Pressure Treated Plywood and Lumber: These products shall not be specified or provided for use in roofing projects as a substrate material

TYPICAL DFD STANDARD
FULLY ADHERED EPDM DETAIL

Sheet Title: DUCT SUPPORT DETAIL
Rev: 01/20/2014
Sheet Number: A2.26
NOTE:
1: THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY, CONSTRUCTION MAY VARY FOR DIFFERENT APPLICATIONS
2: SEE TABLE BELOW FOR REQUIRED HEIGHTS & WIDTHS

NOTE:
1: INSULATION TYPE & THICKNESS
2: ROOFING SYSTEM SPECIFICS

ADJUSTS VERTICALLY
SEE STACK FLASHING DETAIL FOR LEGS
CAP TOP TO MAKE WATERTIGHT
WIDTH OF EQUIPMENT OFF FINISHED ROOF
UP TO 36"  18"
37" AND UP  36"
BASE PLATE ANCHORED TO DECK
HEIGHT - SEE TABLE
WIDTH - SEE TABLE

ADJUSTABLE DUCT SUPPORT DETAIL
NO SCALE:

State of Wisconsin
Department of Administration
Division of Facilities Development

TYPICAL DFD STANDARD
FULLY ADHERED EPDM DETAIL

Sheet Title: DUCT SUPPORT DETAIL
Rev-01/20/2014
Sheet Number A2.27
EQUIPMENT SUPPORT STAND DETAIL

WIDTH OF EQUIPMENT      OFF FINISHED ROOF

| UP TO 36"       | 18"      |
| 37" AND UP      | 36"      |

NO SCALE: