PBR Panel & R-Panel
Open Framing Master Details

Structural / Open Framing / Low Slope

The following details are commonly used over low to steep sloped applications including those over open spans such as structural steel purlins or hat sections. Such details are largely based on hydrostatic design principles and structural detailing.
# PBR Panel & R-Panel

-Open Framing-

## PBR Panel Roof Details

<table>
<thead>
<tr>
<th>Details</th>
<th>Detail No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eave</td>
<td>1.0</td>
</tr>
<tr>
<td>Sculptured Eave Gutter</td>
<td>2.0</td>
</tr>
<tr>
<td>Sculptured Eave Hang-On Gutter</td>
<td>2.1</td>
</tr>
<tr>
<td>Rake</td>
<td>3.0</td>
</tr>
<tr>
<td>Valley</td>
<td>4.0</td>
</tr>
<tr>
<td>Flat Ridge Cap</td>
<td>5.0</td>
</tr>
<tr>
<td>Formed Ridge Cap</td>
<td>6.0</td>
</tr>
<tr>
<td>Flat Hip Cap</td>
<td>7.0</td>
</tr>
<tr>
<td>High Side Eave</td>
<td>8.0</td>
</tr>
<tr>
<td>Sidewall</td>
<td>9.0</td>
</tr>
<tr>
<td>Highwall</td>
<td>10.0</td>
</tr>
<tr>
<td>Panel Lap</td>
<td>11.0</td>
</tr>
</tbody>
</table>

## R-Panel Wall Details

<table>
<thead>
<tr>
<th>Details</th>
<th>Detail No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside &amp; Inside Corner Trim</td>
<td>1.0</td>
</tr>
<tr>
<td>Base Trim</td>
<td>2.0</td>
</tr>
<tr>
<td>Header Trim</td>
<td>3.0</td>
</tr>
<tr>
<td>Sill Trim</td>
<td>4.0</td>
</tr>
<tr>
<td>Jamb Trim</td>
<td>5.0</td>
</tr>
</tbody>
</table>
GUTTER STRAP AT 3'-0" O.C. MINIMUM. LOCATE AT PANEL SIDELAPS, TYPICAL.

PBR PANEL

BATT INSULATION (IF APPLICABLE) SECURED BY DOUBLE FACED TAPE

#12 X 1" PANCAKE HEAD SD FASTENER AT 5'-0" O.C.

CONTINUOUS BEAD OF TUBE SEALANT APPLIED TO TOP OF CLOSURE

INSIDE FOAM CLOSURE

#12-14 X 1 1/2" HWH SD FASTENER W/ WASHER, 6 PER PANEL

1/2" X 0.375" LAP TEK FASTENER W/ WASHER AT 12" O.C.

3/8" X 0.375" LAP TEK FASTENER W/ WASHER, 3 PER STRAP

1 1/2" MIN.

RP23 - SCULPTURED EAVE HANG-ON GUTTER, 4" END LAPS WITH 2 ROWS OF TUBE SEALANT AT LAPS. POP RIVET AT LAPS.

6" X 0.375" BUTYL TAPE SEALANT

EAVE STRUT

#12-14 X 1 1/2" HWH SD FASTENER W/ WASHER, 6 PER PANEL

OUTSIDE FOAM CLOSURE (RECOMMENDED)

1/2"-14 X 3/8" LAP TEK FASTENER W/ WASHER AT MAJOR RIB LOCATIONS

RP08 - EAVE TRIM, LAP MIN. 2" WITH CONTINUOUS TUBE SEALANT AT LAPS

R-PANEL WALL PANEL

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
EXPANDABLE FOAM CLOSURE

#12-14 x 1 1/2" HWH SD FASTENER W/ WASHER, 9 PER PANEL

VALLEY PLATE

RP20 - EXTENDED VALLEY FLASHING

OPEN FRAMING

VALLEY
RP16 - RIDGE CAP FLASHING, 4" END LAPS WITH CONTINUOUS TUBE SEALANT AT LAPS

1/2" - 14 X 2" LAP TEK FASTENER W/ WASHER AT EACH MAJOR RIB

OUTSIDE FOAM CLOSURE

PBR PANEL

BATT INSULATION (IF APPLICABLE) SECURED BY DOUBLE FACED TAPE

CONTINUOUS BEAD OF TUBE SEALANT ALONG TOP OF FOAM CLOSURE

3/4" BUTYL TAPE SEALANT

#12-14 X 1 1/2" HWH SD FASTENER W/ WASHER, 6 PER PANEL
FORMED RIDGE CAP

Description:

Substrate:

OPEN FRAMING

Project Name:

Location:

Detail No.: PBR-OF-6.0

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2'-14 X 3/8" LAP TEK FASTENER W/ WASHER
AT PREFORMED RIDGE CAP SIDE LAPS
(INSTALL 4 PER SECTION)

#12-14 X 1 1/2" HWH SD FASTENER
W/ WASHER, 6 PER PANEL

1/8" X 5/8" BUTYL TAPE SEALANT

1'-0" MAX.

1'-6"

6"
RP12 - SIDEWALL TRIM, 4" END LAPS WITH CONTINUOUS TUBE SEALANT AT LAPS

FIELD BEND PANEL LEG 1"

FINISHING OFF MODULE

BEGINNING ON MODULE
#12-14 x 1 1/4" HWH FASTENER W/ WASHER, 6 PER PANEL

INSIDE FOAM CLOSURE (RECOMMENDED)

RP17 - HIGHWALL FLASHING, 4" END LAPS WITH CONTINUOUS TUBE SEALANT AT LAPS

3/8"-14 x 1/2" LAP TEK FASTENER W/ WASHER AT EACH MAJOR RIB

CONTINUOUS BEAD OF TUBE SEALANT

OUTSIDE FOAM CLOSURE

3/8" x 3/16" BUTYL TAPE SEALANT

#12-14 x 1 1/4" HWH SD FASTENER W/ WASHER, 6 PER PANEL

PBR PANEL
PBR UPPER PANEL

#12-14 X 1 3/4" HWH SD FASTENER
W/ WASHER, 6 PER PANEL

6" LAP

3/8" x 3/8" BUTYL TAPE SEALANT

PBR LOWER PANEL

END LAP DETAIL

1/2"-14 X 5/8" LAP TEK FASTENER
W/ WASHER (20" O.C. @ ROOF,
24" O.C. @ WALL)

1/2" x 3/8" BUTYL TAPE SEALANT

SIDE LAP DETAIL

PANEL LAP

OPEN FRAMING

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
OUTSIDE & INSIDE CORNER TRIM

OUTSIDE CORNER DETAIL

RP01 - OUTSIDE CORNER TRIM

3\textfrac{1}{2}\text{-}14 \times \frac{3}{4} \text{ LAP TEK FASTENER W/ WASHER AT 24" O.C.}

#12-14 X 1\frac{1}{2} HWH SD FASTENER W/ WASHER

R-PANEL

WALL GIRT

INSIDE CORNER DETAIL

RP02 - INSIDE CORNER TRIM

#12-14 X 1\frac{1}{2} HWH SD FASTENER W/ WASHER

R-PANEL

\frac{3}{4}\text{-}14 \times \frac{3}{4} \text{ LAP TEK FASTENER W/ WASHER AT 24" O.C.}

WALL GIRT

UNION

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.

Project Name:
Location:

2016-0301
R-PANEL

ANGLE BY OTHERS

#12 X 1" PANCAKE HEAD SD FASTENER, AS REQUIRED

#12-14 X 1 1/8" HWH SD FASTENER W/ WASHER, 6 PER PANEL

INSIDE CLOSURE (RECOMMENDED)

RP03 - BASE ANGLE

RP04 - BASE TRIM

BASE ANGLE

OPTIONAL BASE TRIM

BASE TRIM

Description:

OPEN FRAMING

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
HEADER DETAIL

R-PANEL
STRUCTURAL MEMBER, BY OTHERS
#12 X 1" PANCAKE HEAD SD FASTENER, AS REQUIRED
#12-14 X 1 1/2" HWH SD FASTENER W/ WASHER
INSIDE FOAM CLOSURE (RECOMMENDED)

RP05 - DRIP TRIM
CONTINUOUS BEAD OF TUBE SEALANT
WINDOW, LOUVER, OR DOOR FRAME

OPTIONAL HEADER DETAIL

R-PANEL
STRUCTURAL MEMBER, BY OTHERS
#12 X 1" PANCAKE HEAD SD FASTENER, AS REQUIRED
#12-14 X 1 1/2" HWH SD FASTENER W/ WASHER
INSIDE FOAM CLOSURE (RECOMMENDED)

RP06 - HEAD TRIM
CONTINUOUS BEAD OF TUBE SEALANT
WINDOW, LOUVER, OR DOOR FRAME
#12-14 X 1 3/4" HWH SD FASTENER W/WASHER

#12 X 1" PANCAKE HEAD SD FASTENER, AS REQUIRED

R-PANEL

STRUCTURAL MEMBER, BY OTHERS

WALL GIRT

CONTINUOUS BEAD OF TUBE SEALANT

WINDOW, LOUVER, OR DOOR FRAME

JAMB TRIM

OPEN FRAMING

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