<table>
<thead>
<tr>
<th>Detail Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI-DS-01-PPRM</td>
<td>C &amp; I DISCLAIMER</td>
</tr>
<tr>
<td>CI-PJ-01-PPRM</td>
<td>ATTACHMENT CLAMP AT PANEL JOINT</td>
</tr>
<tr>
<td>CI-PJ-02-PPRM</td>
<td>PANEL JOINT ASSEMBLY WITH ATTACHMENT CLAMP</td>
</tr>
<tr>
<td>CI-PJ-03-PPRM</td>
<td>ATTACHMENT CLAMP AT INTERMEDIATE SUPPORT</td>
</tr>
<tr>
<td>CI-PJ-04-PPRM</td>
<td>PANEL JOINT WITH ATTACHMENT CLAMP LAYOUT</td>
</tr>
<tr>
<td>CI-PJ-05-PPRM</td>
<td>MODULE END-CLAMP LAYOUT</td>
</tr>
<tr>
<td>CI-PJ-06-PPRM</td>
<td>INTERMEDIATE-CLAMP LAYOUT</td>
</tr>
<tr>
<td>CI-PJ-07-PPRM</td>
<td>POWERPANEL JOINT LAYOUT</td>
</tr>
</tbody>
</table>
DISCLAIMER:

THESE DETAILS ARE PROVIDED AS A GUIDELINE FOR PROPER PANEL AND ASSOCIATED COMPONENT INSTALLATION, AND ARE BASED ON INDUSTRY ACCEPTED PRACTICES.

LOCATION OF VAPOR BARRIERS AND ASSOCIATED SEALANTS IN THESE DETAILS ARE BASED ON TYPICAL DESIGN PRACTICES FOR MOST U.S. CLIMACTIC ZONES. (THE PRIMARY VAPOR BARRIER IS PLACED ON THE "WARM" SIDE IN WINTER).

PROJECTS LOCATED IN AREAS SUBJECT TO EXTREME COLD AND/OR HIGH SNOW LOADS MAY REQUIRE MODIFICATIONS TO THESE DETAILS - CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT RECOMMENDATIONS.
(2) \(\frac{1}{2}"\) - 14 HEX HEAD FASTENERS WITH TWO PIECE CLIP W/ THERMAL BREAK REQUIRED FOR EACH PANEL

\(\frac{1}{6}" \times \frac{1}{2}"\) BUTYL TAPE OVER CLIP TO EXTEND 1" ON EACH SIDE

\(\frac{1}{8}" \times \frac{1}{2}"\) BUTYL TAPE CONTINUOUS OVER PANEL AND UNDER CLIP

20 GA. STAINLESS STEEL TOP CLIP W/ THERMAL BREAK

PURLIN (BY OTHERS)

\(\frac{1}{4}"\) - 14 HEX HEAD FASTENERS

BUTYL SEALANT, FIELD APPLIED FOR VAPOR BARRIER

14 GA. GALVANIZED BASE CLIP

DIRECTION OF INSTALLATION

ATTACHMENT CLAMP AT PANEL JOINT

DETAIL #: CI-PJ-01-PPRM

DATE: 11/5/11

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1. Set panel in place with continuous butyl tape along standing rib
2. Install base clip, top clip, and hex head fasteners
3. Hand "crimp" the standing rib / clip assembly at each clip location
4. Install butyl tape at top of each clip location
5. Install continuous butyl sealant at female joint of next panel
6. Engage panel joints
7. Use clamps to secure standing rib assembly
8. Hand crimp standing rib assembly at clip locations
9. Attach standing seam attachment clamp as required
BUTYL SEALANT, FIELD APPLIED FOR VAPOR BARRIER

14 GA. GALVANIZED BASE CLIP

4 14 HEX HEAD FASTENERS

ALUMINUM MOUNTING RAIL

(2) M8 NYLON - LOCK NUT

STANDING SEAM ATTACHMENT CLAMP ASSEMBLY

2 15/16" MIN.

MOUNTING RAIL CLAMP

MOUNTING RAIL CLAMP BOLT (6MM ALLEN)

(2) M8x35 CLAMP BOLT (6MM ALLEN)

PURLIN (BY OTHERS)

1/4" - 14 HEX HEAD FASTENERS

PV MODULE

MODULE END - CLAMP ASSEMBLY

MODULE CLAMP ADJUSTMENT SCREW

MODULE END - CLAMP LAYOUT

DETAIL #: CI-PJ-05-PPRM

DATE: 11/5/11

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(2) M8 NYLON-LOCK NUT

MOUNTING RAIL CLAMP BOLT (6MM ALLEN)

(2) M8x35 CLAMP BOLT (6MM ALLEN)

BUTYL SEALANT, FIELD APPLIED FOR VAPOR BARRIER

14 GA. GALVANIZED BASE CLIP

1/4" - 14 HEX HEAD FASTENERS

MODULE MID-CLAMP ASSEMBLY

PV MODULE

STANDING SEAM ATTACHMENT CLAMP ASSEMBLY

ALUMINUM MOUNTING RAIL

PURLIN (BY OTHERS)

CLAMP SPACING 39 15/16" (TYP)

MODULE CLAMP ADJUSTMENT SCREW

POWERPANEL RIGID MODULE

MODULE MID-CLAMP LAYOUT

DETAIL #: CI-PJ-06-PPRM

DATE: 11/5/11

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BUTYL SEALANT, FIELD APPLIED FOR VAPOR BARRIER

14 GA. GALVANIZED BASE CLIP

1 4 - 14 HEX HEAD FASTENERS

ALUMINUM MOUNTING RAIL

PV MODULE

MID-CLAMP ASSEMBLY

PV MODULE

CLAMP ADJUSTMENT SCREW

(2) M8x35 CLAMP BOLT (6MM ALLEN)

STANDING SEAM ATTACHMENT CLAMP ASSEMBLY

PURLIN (BY OTHERS)

39 15/16" MODULE CLAMP SPACING

39" PV MODULE WIDTH

42" KINGZIP™ PANEL COVERAGE

39" PV MODULE WIDTH

15" - 14 HEX HEAD FASTENERS

BUTYL SEALANT, FIELD APPLIED FOR VAPOR BARRIER

14 GA. GALVANIZED BASE CLIP

POWERPANEL JOINT LAYOUT

DETAIL #: CI-PJ-07-PPRM

DATE: 11/5/11

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