SL150 Standing Seam
Wood Substrate Master Details

Architectural / Solid Substrate / Steep Slope

The following details are commonly used over steep sloped applications
including those over solid substrates such as plywood or steel decking
with rigid insulation. Such details are largely based on hydrokinetic
(water shedding) design principles and architectural detailing.
# SL150 Standing Seam
## -Wood Substrate-

### Panel Information

<table>
<thead>
<tr>
<th>Panel Application</th>
<th>Detail No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Overview - Panel Profiles</td>
<td>0.20</td>
</tr>
<tr>
<td>System Overview - Clips</td>
<td>0.21</td>
</tr>
<tr>
<td>Thermal Gap Installation Chart - Steel</td>
<td>0.30</td>
</tr>
<tr>
<td>Thermal Gap Installation Chart - Aluminum</td>
<td>0.31</td>
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### Eave Details

<table>
<thead>
<tr>
<th>Extended Eave</th>
<th>Detail No.</th>
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<tbody>
<tr>
<td>Extended Eave - Steep Slope</td>
<td>1.10</td>
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<tr>
<td>Extended Eave with Gutter</td>
<td>1.20</td>
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<tr>
<td>Extended Eave with Gutter - Steep Slope</td>
<td>1.20A</td>
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<tr>
<td>Extended Eave with Soffit</td>
<td>1.30</td>
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<tr>
<td>Extended Eave with Soffit &amp; Gutter</td>
<td>1.40</td>
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<tr>
<td>Extended Eave with Vertical Flush Panel</td>
<td>1.50</td>
</tr>
<tr>
<td>Extended Eave with Vertical Standing Seam Panel</td>
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<tr>
<td>Extended Eave Lap Detail</td>
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### Gable Details

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<thead>
<tr>
<th>Gable - Extended Drip</th>
<th>Detail No.</th>
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<tbody>
<tr>
<td>Gable - Box</td>
<td>2.10</td>
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<tr>
<td>Gable - Box with Zee Closure</td>
<td>2.30</td>
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<tr>
<td>Box Gable Lap Detail</td>
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### Valley Details

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<thead>
<tr>
<th>Valley - Integral Cleat</th>
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<tbody>
<tr>
<td>Valley - Offset Cleat</td>
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<tr>
<td>Valley Lap Detail</td>
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### Ridge & Hip Details

<table>
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<tr>
<th>Standard Ridge &amp; Hip</th>
<th>Detail No.</th>
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<tr>
<td>Vented Ridge</td>
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<tr>
<td>Vented Ridge-to-Standard Ridge Transition</td>
<td>4.30</td>
</tr>
<tr>
<td>Ridge Termination at Valley</td>
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<tr>
<td>Ridge &amp; Hip Lap Detail</td>
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<tr>
<td>Ridge Cap Expansion Detail</td>
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### Peak Details

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<tr>
<th>Peak Detail</th>
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<tr>
<td>Vented Peak Detail</td>
<td>5.20</td>
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<tr>
<td>Peak Detail with Vertical Flush Panel</td>
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</tbody>
</table>

(Continued...)
# SL150 Standing Seam

## Wood Substrate

### High Wall & Low Wall Details

<table>
<thead>
<tr>
<th>Description</th>
<th>Detail No.</th>
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<tbody>
<tr>
<td>High Wall - Reglet</td>
<td>6.10</td>
</tr>
<tr>
<td>Vented High Wall - Reglet</td>
<td>6.11</td>
</tr>
<tr>
<td>High Wall - Surface Mount</td>
<td>6.12</td>
</tr>
<tr>
<td>High Wall - Vertical Panel with Sill</td>
<td>6.14</td>
</tr>
<tr>
<td>High Wall - Parapet</td>
<td>6.20</td>
</tr>
<tr>
<td>Valley Wall Detail</td>
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<tr>
<td>High Wall Lap Detail</td>
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### Sidewall Details

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<thead>
<tr>
<th>Description</th>
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<tr>
<td>Sidewall - Reglet with Subflash Angles</td>
<td>7.11</td>
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<tr>
<td>Sidewall - Surface Mount with Subflash Angles</td>
<td>7.12</td>
</tr>
<tr>
<td>Sidewall - Wood Framing &amp; Siding with Subflash Angles</td>
<td>7.13</td>
</tr>
<tr>
<td>Sidewall - Reglet with J-Channel Subflash</td>
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</tr>
<tr>
<td>Sidewall - Surface Mount with J-Channel Subflash</td>
<td>7.22</td>
</tr>
<tr>
<td>Sidewall - Wood Framing &amp; Siding with J-Channel Subflash</td>
<td>7.23</td>
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<tr>
<td>Sidewall - Reglet with Zee Closure</td>
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<tr>
<td>Sidewall - Surface Mount with Zee Closure</td>
<td>7.32</td>
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<tr>
<td>Sidewall - Wood Framing &amp; Siding with Zee Closure</td>
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<tr>
<td>Sidewall Expansion Joint</td>
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<tr>
<td>Expansion Joint Mid-Roof</td>
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<tr>
<td>Sidewall Lap Detail</td>
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### Slope Transition Details

<table>
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<tr>
<td>Slope Transition</td>
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<tr>
<td>Transition at Membrane Roofing</td>
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### General Information Details

<table>
<thead>
<tr>
<th>Description</th>
<th>Detail No.</th>
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<tbody>
<tr>
<td>Panel Hemming</td>
<td>10.10</td>
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<tr>
<td>End Lap Detail - Sleep Slope</td>
<td>10.15</td>
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<tr>
<td>Zee Closure Installation</td>
<td>10.20</td>
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<tr>
<td>Pipe Penetration</td>
<td>10.30</td>
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<tr>
<td>Pipe Penetration Through Panel Rib</td>
<td>10.31</td>
</tr>
<tr>
<td>Curb at High Wall &amp; Low Wall</td>
<td>10.40</td>
</tr>
<tr>
<td>Curb at Sidewall</td>
<td>10.41</td>
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<tr>
<td>Curb Installation Series</td>
<td>CRB 1-6</td>
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</table>
SL150 CLIP AT REQUIRED INTERVAL FOR PROJECT-SPECIFIC DESIGN REQUIREMENTS
10-13x1" PANCAKE HEAD WOOD SCREW, 2 PER CLIP
SL150 PANEL
SINGLE LAYER OF APPROVED UNDERLAYMENT
5/8" WOOD SUBSTRATE
Profile Option: Striated (Standard)

Profile Option: 2 Pencil Ribs

Profile Option: Smooth
**IMPORTANT INSTALLATION NOTE**

- SL150 CLIPS ALLOW FOR UNLIMITED THERMAL EXPANSION/CONTRACTION OF PANELS.
- "UL" CLIP TYPES MAY BE REQUIRED TO MEET SPECIFIC WIND UPLIFT TESTING.

---

**Clip 10**
20 Ga. Galvanized
1.5" x 2.25"

**Clip 11 UL**
18 Ga. Galvanized
1.5" x 3.5"

**Clip 12**
20 Ga. Stainless Steel
1.5" x 2.25"
*Recommended for use with aluminum panels*

**Clip 13 UL**
18 Ga. Stainless Steel
1.5" x 3.5"
*Recommended for use with aluminum panels*

---

**4" X 5" Bearing Plate**
16 Ga. Galvanized
*Required for use when clips are applied directly over rigid board insulation*
THERMAL "GAP" INSTALLATION CHART (In inches) - STEEL

For determining proper expansion/contraction gap at panel ends during installation

<table>
<thead>
<tr>
<th>Distance from fixed point in feet</th>
<th>Material Temperature (Surface Temperature) During Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hot &gt;100°F</td>
</tr>
<tr>
<td>10</td>
<td>0.145 1/8</td>
</tr>
<tr>
<td>20</td>
<td>0.289 5/16</td>
</tr>
<tr>
<td>30</td>
<td>0.434 7/16</td>
</tr>
<tr>
<td>40</td>
<td>0.579 9/16</td>
</tr>
<tr>
<td>50</td>
<td>0.724 3/4</td>
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<tr>
<td>60</td>
<td>0.868 7/8</td>
</tr>
<tr>
<td>70</td>
<td>1.013 1</td>
</tr>
<tr>
<td>80</td>
<td>1.158 1 3/16</td>
</tr>
<tr>
<td>90</td>
<td>1.302 1 5/16</td>
</tr>
<tr>
<td>100</td>
<td>1.447 1 7/16</td>
</tr>
</tbody>
</table>

* Chart based on temperature differential of: 180 degrees F
* Coefficient of thermal expansion for steel: 0.0000067
### THERMAL "GAP" INSTALLATION CHART (in inches) - ALUMINUM

For determining proper expansion/contraction gap at panel ends during installation.

<table>
<thead>
<tr>
<th>Distance from fixed point in feet</th>
<th>Material Temperature (Surface Temperature) During Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hot &gt;100°F</td>
</tr>
<tr>
<td>10</td>
<td>0.279 1/4</td>
</tr>
<tr>
<td>20</td>
<td>0.557 9/16</td>
</tr>
<tr>
<td>30</td>
<td>0.836 13/16</td>
</tr>
<tr>
<td>40</td>
<td>1.115 1 1/8</td>
</tr>
<tr>
<td>50</td>
<td>1.393 1 3/8</td>
</tr>
<tr>
<td>60</td>
<td>1.672 1 11/16</td>
</tr>
<tr>
<td>70</td>
<td>1.950 1 15/16</td>
</tr>
<tr>
<td>80</td>
<td>2.229 2 1/4</td>
</tr>
<tr>
<td>90</td>
<td>2.500 2 1/2</td>
</tr>
<tr>
<td>100</td>
<td>2.786 2 13/16</td>
</tr>
</tbody>
</table>

*Chart based on temperature differential of: 180 degrees F
*Coefficient of thermal expansion for alum.: 0.0000129
SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS. NOTE:
INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

**EE03** - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

**FAC** - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" ON CENTER

DESCRIPTION:

**EXTENDED EAVE**

PROJECT NAME:

WOOD SUBSTRATE

LOCATION:

DETAILED BY:

UNION CORRUGATING COMPANY

DETAIL NO.: SL150-WS-1.10

DETAILS AND INSTRUCTIONS SUBJECT TO CHANGE WITHOUT NOTICE. CONTACT UNION CORRUGATING COMPANY FOR SPECIFIC PROJECT DETAILS.
SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS.  
NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

ES03 - EXTENDED EAVE STEEP SLOPE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" ON CENTER

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

EXTENDED EAVE - STEEP SLOPE

WOOD SUBSTRATE
SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE02 - EXTENDED EAVE DRIP EDGE. 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER

GT07 - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

EXTENDED EAVE WITH GUTTER

WOOD SUBSTRATE

UNION CORRUGATING CO. SL150 PANEL

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
EXTENDED EAVE W/ GUTTER- STEEP SLOPE

WOOD SUBSTRATE

SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS.
NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAYERMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYERMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

ES02 - EXTENDED EAVE STEEP SLOPE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" ON CENTER

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER

GT07 - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

FAC# - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
EXTENDED EAVE WITH SOFFIT

Description:

WOOD SUBSTRATE

UNION CORRUGATING CO. SL150 PANEL

SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS.
NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE03 - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

THERMAL EXPANSION

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" ON CENTER

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

FC03 - FASCIA CLEAT WITH SOFFIT RETURN

JC10 - J-CHANNEL

FL100 SOFFIT

Detail No: SL150-WS-1.30

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
EXTENDED EAVE WITH SOFFIT & GUTTER

WOOD SUBSTRATE

SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS.
NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

**EE02** - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

**GT07** - 7" GUTTER, LAP AND SEAL CONTINUOUS WITH 2 ROWS OF APPROVED SEALANT. RIVET AT LAPS 2" ON CENTER.

**FA** - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

**FC03** - FASCIA CLEAT WITH SOFFIT RETURN

**JC10** - J-CHANNEL

FL100 SOFFIT

18 GA. GALVANIZED STEEL HIDDEN HANGER AT 24" ON CENTER
SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

UNION CORRUGATING CO. SL150 PANEL

WOOD SUBSTRATE

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. Staggered

**EE03** - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

**EE03** - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

THERMAL EXPANSION

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" ON CENTER

UNION CORRUGATING CO. FL100 PANEL

**SL10** - SILL TRIM FASTENED WITH #10-9 X 1" PANCAKE HEAD WOOD SCREW

EXTENDED EAVE W/ VERTICAL FLUSH PANEL

WOOD SUBSTRATE
EXT. EAVE W/ VERTICAL STANDING SEAM PANELS

Description:
WOOD SUBSTRATE

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

UNION CORRUGATING CO. SL150 PANEL

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C. STAGGERED

EE03 - EXTENDED EAVE DRIP EDGE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND DRIP EDGE. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

*CUSTOM J-CHANNEL TRIM

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" ON CENTER

UNION CORRUGATING CO. SL150 PANEL

SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SL11 - SILL TRIM FASTENED W/ #10-9 X 1" PANCAKE HEAD WOOD SCREW
NOTCH OUT UPPER AND LOWER BENDS IN FLASHING TO BE LAPPED

DOUBLE ROW OF APPROVED TUBE SEALANT

OVERLAP

4"
GABLE DETAIL - BOX STYLE

WOOD SUBSTRATE

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

1/8" X 1/4" STAINLESS RIVET (PAINTED) AT 18" ON CENTER

SL17 - J-CHANNEL SUB-FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

BG12 - BOX GABLE TRIM, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CONTINUOUS BEAD OF APPROVED SEALANT BETWEEN PANEL LEG AND J-CHANNEL

#10-9 X 1" PANCAKE FASTENER, 8" O.C.

CL01 - CONTINUOUS CLEAT

FASCIA COVER, 2" END LAPS W/ CONTINUOUS APPROVED SEALANT AT LAPS

FIELD-CRIMP GABLE LEG ONTO CLEAT, CONT.
SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS
SINGLE LAYER OF APPROVED UNDERLAYMENT
1/8" X 1/4" STAINLESS RIVET (PAINTED) AT 18" ON CENTER
ZE16 - ZEE CLOSURE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C.
CONTINUOUS ROW OF DOUBLE BEAD BUTYL TAPE SEALANT
BG02 - BOX GABLE TRIM, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
PANEL LEG OR FIELD FORM PANEL LEG MIN. HEIGHT OF 1 1/4"
#10-9 X 1" PANCAKE FASTENER, 12" O.C.
CL01 - CONTINUOUS CLEAT
FA## - FASCIA COVER, 2" END LAPS W/ CONTINUOUS APPROVED SEALANT AT LAPS

IMPORTANT INSTALLATION NOTE
- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".
VALLEY DETAIL - INTEGRAL CLEAT

WOOD SUBSTRATE

UNION CORRUGATING CO. SL150 PANEL

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" O.C.

STRIP IN VALLEY FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT

FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

SINGLE LAYER OF APPROVED UNDERLAYMENT

VB1A - INTEGRAL VALLEY FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

IMPORTANT INSTALLATION NOTE
EACH VALLEY SECTION IS MADE PROGRESSIVELY SMALLER TO ALLOW UPPER SECTION TO INSERT INTO LOWER SECTION. NO FIELD NOTCHING AT LAP.
VALLEY - WITH OFFSET CLEAT

WOOD SUBSTRATE

UNION CORRUGATING CO. SL150 PANEL

WOOD SUBSTRATE

STRIP IN VALLEY FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT

#10-9 X 1" PANCake HEAD WOOD SCREW AT 8" O.C.

OC01 - CONTINUOUS 24 GAUGE OFFSET CLEAT SET IN CONTINUOUS 3/16" X 7/8" BUTYL TAPE SEALANT

FILL END OF PANEL RIB W APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

SINGLE LAYER OF APPROVED UNDERLAYMENT

VA01 - VALLEY FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

6" MIN.

IMPORTANT INSTALLATION NOTE
CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
HIP AND RIDGE DETAIL

WOOD SUBSTRATE

Description:

Substrate:

Project Name:

Location:

Detail No.:

SL150-WS-4.10

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18° ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

#10-9 X 1" PANCAKE HEAD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

VR07 - VENTED PROFILE RIDGE CAP, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

PC01 - CONTINUOUS 20 GA. GALVANIZED PERFORATED VENT CLEAT RIVET TO ZEE CLOSURE @ 18° O.C.

ZE16 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

SL150 CLIP WI (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

THERMAL EXPANSION

2" MAX

AIR FLOW
RIDGE CAP TABS TO BE FIELD CUT AND FORMED ONTO INTERSECTING ROOF PLANE. TUCK TABS INTO VALLEY OFFSET HEM

UNION CORRUGATING CO. PANELS

CONTINUOUS BEAD OF SEALANT AT RIDGE CAP

RIDGE CAP

ZEE CLOSURE

SECTION A-A

SEE RIDGE DETAIL

VALLEY FLASHING

HEM PANEL ENDS AROUND VALLEY OFFSET HEM

RIDGE CAP, TUCK TABS INTO VALLEY OFFSET HEM 1"

CONTINUOUS BEAD OF SEALANT AT END OF RIDGE CAP

ZEE CLOSURE, TAPERED TO ROOF SLOPE

VALLEY FLASHING

CONTINUOUS BEAD OF SEALANT UNDER ZEE CLOSURE

UNION CORRUGATING CO. PANEL, HEMMED AROUND VALLEY OFFSET

SECTION A-A
IMPORTANT INSTALLATION NOTE
REFER TO HIP/RIDGE CAP EXPANSION DETAIL
FOR HIP/RIDGE LENGTHS OVER 40'-0".

NOTCH OUT HEMS IN RIDGE
CAP TO BE LAPPED

2 ROWS OF APPROVED
TUBE SEALANT EACH SIDE

4"

OVERLAP

POP RIVETS AT LAP

HIP & RIDGE CAP LAP DETAIL

Detail No.: SL150-4.90

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
STEP 1

NOTCH OUT HEMS IN RIDGE CAP TO ALLOW 4" LAP

NOTCH OUT HEMS 2" TO ALLOW EXPANSION

2 ROWS OF APPROVED TUBE SEALANT EACH SIDE

STEP 2

FIELD FORM COVER PLATE HEM AROUND LAPPED RIDGE CAPS

2 ROWS OF TUBE SEALANT EACH SIDE

4" LAP

STEP 3

LINE OF OVERLAP

FIELD FORM COVER PLATE HEM AROUND LAPPED RIDGE CAPS

6" COVER PLATE

IMPORTANT INSTALLATION NOTE
USE AT EVERY 40°6" OF CONTINUOUS RIDGE. DO NOT POP RIVET LAPPED FLASHING.
PK55 - PEAK FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE16 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

PC55 - CONTINUOUS CLEAT (MIN. 24 GA. GALVANIZED STEEL)

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" ON CENTER

FA## - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
PV85 - VENTED PEAK FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

PC01 - CONTINUOUS 20 GA. GALVANIZED PERFORATED VENT CLEAT RIVET TO ZEE CLOSURE @ 18" O.C.

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

ZE16 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS WITH CONT. BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

THERMAL EXPANSION

1" MIN.

AIR FLOW

PC85 - CONTINUOUS CLEAT (MIN. 24 GA. GALVANIZED STEEL)

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" ON CENTER

FACC - FASCIA COVER, 2" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
**PK55** - PEAK FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

**ZE16** - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL150 CLIP W/ (2) #10-9 X 1"
PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

**PC55** - CONTINUOUS CLEAT (MIN. 24 GA. GALVANIZED STEEL)

#12-14 X 1" PANCAKE HEAD SELF-DRILLING SCREW AT 8" ON CENTER

**FL100** - FLUSH METAL WALL PANEL

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**PEAK DETAIL - WITH WALL PANELS**

**Description:**

**Substrate:** WOOD SUBSTRATE

**Detail No.:** SL150-WS-5.40

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
RF40 - REGLET FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE16 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL150 CLIP W/ (2) #10-9 X 1"
PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLayment

WOOD SUBSTRATE

MASSONRY THRU-WALL FLASHING WITH WEEP HOLES

CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT

MASSONRY ANCHOR @ 18" O.C.
**SM55** - Surface Mounted Counter Flashing, 4" End Laps With Continuous Approved Sealant At Laps

**HW02** - Highwall Counter Flashing, 4" End Laps With Continuous Approved Sealant At Laps

3/16" x 7/8" Bead Butyl Tape Sealant Continuous Under Zee Closure

#10-9 x 1" Pancake Head Wood Screw, Install Min. 4 Per Zee Or 3" On Center

Continuous Bead Of Approved Sealant Adjacent To Panel Ribs

**ZE16** - Zee Closure, Field Cut To Fit Between Panel Ribs

1/8" x 1/4" Stainless Steel Rivet (Painted) At 18" On Center

SL150 Clip W/ (2) #10-9 x 1" Pancake Head Wood Screws

Union Corrugating Co. SL150 Panel

Single Layer Of Approved Underlayment

Wood Substrate

Continuous Bead Of Approved Sealant

Masonry Anchor At 18" O.C.
**SL10** - SILL TRIM FASTENED W/ #10-9 X 1" PANCAKE HEAD WOOD SCREW

**HW01** - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

**ZE16** - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

**SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS**

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

THERMAL EXPANSION
MEMBRANE ROOFING SYSTEM. EXTEND OVER PARAPET AND DOWN FACE OF WALL MINIMUM 3".

COPING SYSTEM WITH CONTINUOUS CLEAT (MIN. 24 GAUGE) FASTENED AT 8" ON CENTER AT CLEAT AND 24" ON CENTER AT REAR. INSTALL WITH 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS.

HW02 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

CONTINUOUS BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

ZE16 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

THERMAL EXPANSION

WOOD SUBSTRATE
FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

**LW01** - LOW WALL FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C.

**OC01** - CONTINUOUS 24 GAUGE OFFSET CLEAT SET IN CONTINUOUS 3/16" X 7/8" BUTYL TAPE SEALANT

STRIP IN LOW WALL FLASHING WITH FIELD COURSE OF APPROVED UNDERLayment

UNION CORRUGATING CO. SL150 PANEL

SL150 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLayment

WOOD SUBSTRATE

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**IMPORTANT INSTALLATION NOTE**

LOW WALL FLASHING MUST BE ANGLED TO PROVIDE POSITIVE DRAINAGE OR NOT MORE THAN 36° WIDE WHEN INSTALLED PERPENDICULAR TO SLOPE (SEE 'A').
SIDEWALL DETAIL - REGLET

WOOD SUBSTRATE

SA01 - CONTINUOUS SUB-FLASHING ANGLE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

RF40 - REGLET FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

FA10 - SIDEWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

MASONRY THRU-WALL FLASHING WITH WEEP HOLES

CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT

MASONRY ANCHOR AT 18" O.C.

CONTINUOUS ROW OF APPROVED SEALANT BOTH SIDES OF PANEL LEG BETWEEN PANEL LEG AND FLASHINGS

PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")

STRIP IN SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

UNION CORRUGATING CO. SL150 PANEL

SL150-WS-7.11

2016-0301
CONTINUOUS BEAD OF APPROVED SEALANT

MASONRY ANCHOR AT 18" ON CENTER

SM55 - SURFACE MOUNTED COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

FA10 - SIDEWALL COUNTER FLASHING 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CONTINUOUS ROW OF APPROVED SEALANT BOTH SIDES OF PANEL LEG BETWEEN PANEL LEG AND FLASHINGS

PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")

SA01 - CONTINUOUS SUB-FLASHING ANGLE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

STRIP IN SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT

UNION CORRUGATING CO. SL150 PANEL

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE
**Description:**

SIDEWALL DETAIL - WOOD FRAMING & SIDING

**Legend:**

- **FA10** - SIDEWALL COUNTER FLASHING 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
- **SA01** - CONTINUOUS SUB-FLASHING ANGLE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
- STRIP IN SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT
- UNION CORRUGATING CO. SL150 PANEL
- SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS
- SINGLE LAYER OF APPROVED UNDERLAYMENT
- WOOD SUBSTRATE

**Details and Instructions:**

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
CONTINUOUS BEAD OF APPROVED SEALANT
MASONRY ANCHOR AT 18" ON CENTER

SM55 - SURFACE MOUNTED COUNTER FLASHING, 4" END LAPs WITH CONTINUOUS APPROVED SEALANT AT LAPS

SW11 - SIDEWALL COUNTER FLASHING, 4" END LAPs WITH CONTINUOUS APPROVED SEALANT AT LAPS

CONTINUOUS ROW OF APPROVED SEALANT BETWEEN PANEL LEG AND J-CHANNEL SUB-FLASHING

CONTINUOUS BEAD OF APPROVED SEALANT BETWEEN COUNTER FLASHING AND J-CHANNEL SUB-FLASHING

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

PANEL LEG OR FIELD FORM LEG (MIN. 1-1/4")

SJ17 - J-CHANNEL SUB-FLASHING, 4" END LAPs WITH CONTINUOUS APPROVED SEALANT AT LAPS

STRIP IN J-CHANNEL SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT

UNION CORRUGATING CO. SL150 PANEL
SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE
**SW11** - SIDEWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

CONTINUOUS ROW OF APPROVED SEALANT BETWEEN PANEL LEG AND J-CHANNEL SUB-FLASHING

CONTINUOUS BEAD OF APPROVED SEALANT BETWEEN COUNTER FLASHING AND J-CHANNEL SUB-FLASHING

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

**SJ17** - J-CHANNEL SUBFLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

PANEL LEG OR FIELD FORM LEG (MIN. 1-1/4")

STRIP IN J-CHANNEL SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT

UNION CORRUGATING CO. SL150 PANEL

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

LAP SIDING

WOOD SUBSTRATE

Description:
SIDEWALL DETAIL - WOOD FRAMING & SIDING

Substrate:
WOOD SUBSTRATE

Detail No.: SL150-WS-7.23

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
**SIDEWALL W/ ZEE DETAIL - REGLET**

**WOOD SUBSTRATE**

- MASONRY THRU-WALL FLASHING WITH WEEP HOLES
- CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT
- MASONRY ANCHOR AT 18" O.C.
- RF40 - REGLET FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
- SW02 - SIDEWALL FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
- PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")
- 1/8" X 1/4" STAINLESS STEEL RIVET @ 18" O.C.
- ZE16 - ZEE CLOSURE FASTENED WITH #10-9 X 1" PANCAKE HEAD SCREW
- CONTINUOUS ROW OF BUTYL TAPE
- UNION CORRUGATING CO. SL150 PANEL
- SINGLE LAYER OF APPROVED UNDERLAYMENT
- SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS
- WOOD SUBSTRATE

**IMPORTANT INSTALLATION NOTE**
- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".
CONTINUOUS BEAD OF APPROVED SEALANT
MASTERY ANCHOR AT 18" ON CENTER

**SM55** - SURFACE MOUNTED COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

**SW02** - SIDEWALL FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4"

1/8" X 1/4" STAINLESS STEEL RIVET @ 18" O.C.

**ZE16** - ZEE CLOSURE FASTENED WITH #10-9 X 1 PANCAKE HEAD SCREW

CONTINUOUS ROW OF BUTYL TAPE

UNION CORRUGATING CO. SL150 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

**IMPORTANT INSTALLATION NOTE**

- CONSULT UNION CORRUGATING CO. WARRANTY DEPARTMENT BEFORE USING THIS DETAIL WHEN INSTALLATION REQUIRE WEATHERTIGHTNESS WARRANTY.

- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".

**Description:**

SIDEWALL W/ ZEE DETAIL - SURFACE MOUNT

**Substrate:**

WOOD SUBSTRATE

**Detail No.:**

SL150-WS-7.32

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

- Consult Union Corrugating Co. Warranty Department before using this detail when installation requires weathertightness warranty.

- This detail not to be used with panel lengths greater than 3d'-0".

**SW02** - Sidewall Flashing, 4" end laps with continuous approved sealant at laps

**ZE16** - ZEE Closure fastened with #10-9 x 1" Pancake head screw

Panel Leg or Field Form Panel Leg (Min. 1-1/4")

1/8" x 1/4" Stainless Steel Rivet @ 18" O.C.

Continuous Row of Butyl Tape

Union Corrugating Co. SL150 Panel

Single Layer of Approved Underlayment

Wood Substrate

SL150 Clip w/ (2) #10-9 x 1" Pancake Head Wood Screws

6" Min.
SIDEWALL EXPANSION JOINT DETAIL

WOOD SUBSTRATE

Description:

Substrate:

Detail No.: SL150-WS-7.40

Project Name:
Location:

MASONRY THRU-WALL FLASHING WITH WEEP HOLES

CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT

RF40 - REGLET FLASHING, 4" END LAP WS CONTINUOUS APPROVED SEALANT AT LAPS

MASONRY ANCHOR AT 18" O.C.

EJ11 - EXPANSION JOINT FLASHING, 4" END LAP WS CONTINUOUS APPROVED SEALANT AT LAPS

SJ17 - J-CHANNEL SUB-FLASHING, 4" END LAP WS CONTINUOUS APPROVED SEALANT AT LAPS

STRIP IN J-CHANNEL SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT

SINGLE LAYER OF APPROVED UNDERLAYMENT

UNION CORRUGATING CO. SL150 PANEL

WOOD SUBSTRATE

SL150 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

CONTINUOUS BEAD OF APPROVED SEALANT BETWEEN COUNTER FLASHING AND J-CHANNEL SUB-FLASHING

CONTINUOUS ROW OF APPROVED SEALANT BETWEEN PANEL LEG AND J-CHANNEL SUB-FLASHING

E.G. (EXP. GAP)

E.G. E.G. E.G. E.G.

PANEL LEG OR FIELD FORM LEG (MIN. 1-1/4"")
DOUBLE ROW OF APPROVED TUBE SEALANT

NOTCH OUT HEM IN FLASHING TO BE LAPPED

OVERLAP

POP RIVET AT LAP

4"
**UNION CORRUGATING CO. SL150 PANEL**

**ST01** - SLOPE TRANSITION FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

**OC01** - CONTINUOUS 24 GAUGE OFFSET CLEAT SET IN CONTINUOUS 3/16" X 7/8" BUTYL TAPE SEALANT

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 8" O.C.

FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

3/16" X 7/8" BEAD BUTYL TAPE SEALANT CONTINUOUS UNDER ZEE CLOSURE

#10-9 X 1" PANCAKE HEAD WOOD SCREW, INSTALL MIN. 4 PER ZEE OR 3" ON CENTER

**ZE16** - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS W/ CONT. BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS

1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

**SLOPE TRANSITION DETAIL**

**Detail No:** SL150-WS-8.10

**Description:**

**Substrate:** WOOD SUBSTRATE

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

Project Name:

Location:

2016-0301
WOOD SUBSTRATE

UNION CORRUGATING CO. SL150 PANEL

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" O.C.

STRIP IN TRANSITION FLASHING WITH FIELD COURSE OF APPROVED UNDERLAYMENT

FILL END OF PANEL RIB W/ APPROVED SEALANT FOLD TAB AROUND RIB FOR CLOSURE

CUT BACK VERTICAL PANEL LEGS AND FIELD FORM PANEL AROUND OFFSET. REFER TO EAVE EXPANSION DETAIL FOR PROPER EXPANSION/CONTRACTION GAP

CONTINUOUS BEAD OF APPROVED SEALANT BETWEEN MEMBRANE ROOFING AND TRANSITION FLASHING

TF01 - TRANSITION FLASHING, 12" END LAPS WITH 2 ROWS OF APPROVED SEALANT AT LAPS

MEMBRANE ROOFING, EXTEND UNDER ROOF PANELS MIN. 24" OR UNTIL MEMBRANE HAS REACHED A 12" VERTICAL RISE OVER ENDS OF ROOF PANELS

8" MIN.
**STEP 1:** FIELD NOTCH RIBS AND REMOVE

**STEP 2:** ENGAGE PANEL HEMMING TOOL OVER FLAT PART OF PANEL TO ACCEPT OFFSET CLEAT

**STEP 3:** BEND TO FORM OPEN HEM

SEE DETAIL A-A

(REF. THERMAL GAP CHART)
FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL RIBS

INSTALL 7/8" DOUBLE BEAD BUTYL TAPE SEALANT TO UNDERSIDE OF ZEE CLOSURE

4 SCREWS PER ZEE MIN. OR 3" O.C.

CONT. BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS
IMPORTANT INSTALLATION NOTE
*WHEN BASE OF ZEE FRAME EXCEEDS MIN. CLEARANCE OF 3” REFER TO CURB DETAILS.

LEAVE 1/2” CLEARANCE AROUND PENETRATION TO ALLOW FOR EXPANSION
ZEE CLOSURE, SET IN CONTINUOUS BEAD OF APPROVED TUBE SEALANT
1/8” x 1/4” STAINLESS RIVET, 2” O.C. MAX.
APPLY CONTINUOUS BEAD OF APPROVED TUBE SEALANT AROUND PERIMETER OF ZEE CLOSURE.

CONTINUOUS BEAD OF APPROVED SEALANT AROUND TOP OF BOOT
S,S, PIPE CLAMP
EPDM PIPE BOOT
12-14 X 1” S.D. W/WASHER, 1” O.C.

INSTALL TRIM CAP, HEMMING EDGES OVER ZEE CLOSURE
SECURE TRIM CAP WITH 1/8” x 1/4” STAINLESS RIVETS, 6” O.C.
CONTINUOUS APPROVED TUBE SEALANT AROUND BASE OF PIPE AND TRIM CAP
SET SecureMENT RING IN CONTINUOUS BEAD OF APPROVED SEALANT
LINE OF ZEE CLOSURE BELOW

SECTION A

PIECE PENETRATION THROUGH PANEL RIB

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
SW02 - SIDEWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")

ZE16 - ZEE CLOSURE FASTENED WITH #10-9 X 1" PANCAKE HEAD SCREW

CONTINUOUS ROW OF BUTYL TAPE

UNION CORRUGATING CO. PANEL

1/8" X 1/4" STAINLESS STEEL RIVET

SINGLE LAYER OF APPROVED UNDERLayment

WOOD SUBSTRATE
STEP I
INSTALL PANELS AROUND CURB.

FIELD FLATTEN OFFSET IN MALE LEG
SEE DETAIL A2

FIELD FORM LEGS AGAINST CURB SIDES MIN. 1" HIGH
SEE DETAIL A1

12" MIN.

DETAIL A1
2" NOM.
REMOVE TOP OF FEMALE LEG
MALE LEG SHOWN CUT BACK FOR CLARITY ONLY
REMOVE LOWER HOOK OF FEMALE LEG TO ALLOW OVERLAPPING PANEL CONDITION

DETAIL A2
FLATTEN OFFSET IN MALE LEG

SL150 CURB DETAILS - STEP I

GENERAL INFORMATION

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
STEP 2
APPLY ZEE CLOSURE
FLASHING OVER
DOUBLE BEAD MASTIC

INSTALL ZEE CLOSURE
W/ SCREWS AT 4" O.C.

INSTALL BUTYL TAPE
EACH SIDE FOR SEAL
BETWEEN ZEE
CLOSURE AND PANEL

PANEL
INSTALLATION
DIRECTION
STEP 3
INSTALL SIDEWALL AND HIGH WALL FLASHINGS ATOP ZEE CLOSURE.

SIDE WALL FLASHING
HOOK HEM ONTO ZEE CLOSURE

FIELD FORM TABS
TO RETURN AROUND HIGH END OF CURB

FIELD FORM TABS
TO RETURN AROUND SIDES OF CURB

SIDE WALL FLASHING
HOOK HEM ONTO ZEE CLOSURE

HIGHWALL FLASHING,
HOOK HEM ONTO ZEE CLOSURE

PANEL INSTALLATION DIRECTION

SL150 CURB DETAILS - STEP 3

Description: 
Substrate: 

GENERAL INFORMATION

Project Name: 
Location: 

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Detail No.: SL150-CRB: 3 of 6

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STEP 4
INSTALL LOW WALL FLASHING

FIELD FORM LEG
1/2" MIN. HEIGHT
LOW WALL FLASHING
FIELD FORM LEG
1 1/4" MIN. HEIGHT

REMOVE PANEL MATERIAL EACH SIDE AFTER FIELD TRACING PROFILE

SET FLASHING AND FIELD TRACE AGAINST CURB TO DETERMINE TRIM PROFILE PRIOR TO CUT

INSTALL (2) LAYERS OF MASTIC TAPE SEALANT UNDER PERIMETER OF LOW WALL FLASHING

FASTENER AS REQUIRED BY CONDITION

APPLY SEALANT AT TRIM LAPS TYPICAL

Panel Installation Direction

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STEP 5
INSTALL CLEAT AND PREPARE FOR UPPER PANEL INSTALLATION.

INSTALL FIELD HEMMED UPPER PANELS OVER LOW WALL FLASHING ONTO CLEAT

PANCAKE HEAD FASTENER AT OVERLAP LOCATION

6" MIN. LAP

A

CONTINUOUS CLEAT SET IN SEALANT FASTEN AT 4" O.C.

SEALANT AT ZEE & LOW WALL INTERSECTION BOTH SIDES OF CURB

Panel Installation Direction

SL150 CURB DETAILS - STEP 5

Description:

Substrate:

GENERAL INFORMATION

Project Name:

Location:

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

Detail No.: SL150-CRB: 5 of 6
STEP 6
INSTALL FINAL SEAL AND
FASTEN AS REQUIRED.