SL175 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.
<table>
<thead>
<tr>
<th>Panel Information</th>
<th>Detail No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Application</td>
<td>0.10</td>
</tr>
<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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<table>
<thead>
<tr>
<th>Eave Details</th>
<th>Detail No.</th>
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<tbody>
<tr>
<td>Extended Eave</td>
<td>1.10</td>
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<tr>
<td>Extended Eave - Steep Slope</td>
<td>1.10A</td>
</tr>
<tr>
<td>Extended Eave with Gutter</td>
<td>1.20</td>
</tr>
<tr>
<td>Extended Eave with Gutter - Steep Slope</td>
<td>1.20A</td>
</tr>
<tr>
<td>Extended Eave with Soffit</td>
<td>1.30</td>
</tr>
<tr>
<td>Extended Eave with Soffit &amp; Gutter</td>
<td>1.40</td>
</tr>
<tr>
<td>Extended Eave with Vertical Flush Panel</td>
<td>1.50</td>
</tr>
<tr>
<td>Extended Eave with Vertical Standing Seam Panel</td>
<td>1.60</td>
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<tr>
<td>Extended Eave Lap Detail</td>
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<th>Gable Details</th>
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<tr>
<td>Gable - Extended Drip</td>
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<tr>
<td>Gable - Box</td>
<td>2.20</td>
</tr>
<tr>
<td>Gable - Box with Zee Closure</td>
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<tr>
<td>Box Gable Lap Detail</td>
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<table>
<thead>
<tr>
<th>Valley Details</th>
<th>Detail No.</th>
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<tr>
<td>Valley - Integral Cleat</td>
<td>3.10</td>
</tr>
<tr>
<td>Valley - Offset Cleat</td>
<td>3.20</td>
</tr>
<tr>
<td>Valley Lap Detail</td>
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<table>
<thead>
<tr>
<th>Ridge &amp; Hip Details</th>
<th>Detail No.</th>
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<tbody>
<tr>
<td>Standard Ridge &amp; Hip</td>
<td>4.10</td>
</tr>
<tr>
<td>Vented Ridge</td>
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<tr>
<td>Vented Ridge-to-Standard Ridge Transition</td>
<td>4.30</td>
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<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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<td>Peak Detail</td>
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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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(Continued...)
# SL175 Standing Seam
## -Wood Substrate-

<table>
<thead>
<tr>
<th>High Wall &amp; Low Wall Details</th>
<th>Detail No.</th>
</tr>
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<tbody>
<tr>
<td>High Wall - Reglet ..................................................................</td>
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</tr>
<tr>
<td>Vented High Wall - Reglet .........................................................</td>
<td>6.11</td>
</tr>
<tr>
<td>High Wall - Surface Mount .............................................................</td>
<td>6.12</td>
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<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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<table>
<thead>
<tr>
<th>Sidewall Details</th>
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<tbody>
<tr>
<td>Sidewall - Reglet with Subflash Angle ........................................</td>
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<tr>
<td>Sidewall - Surface Mount with Subflash Angle .................................</td>
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<tr>
<td>Sidewall - Wood Framing &amp; Siding with Subflash Angle ....................</td>
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<tr>
<td>Sidewall - Reglet with J-Channel Subflash .....................................</td>
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<tr>
<td>Sidewall - Surface Mount with J-Channel Subflash ............................</td>
<td>7.22</td>
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<tr>
<td>Sidewall - Wood Framing &amp; Siding with J-Channel Subflash ...............</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>
</tr>
<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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<table>
<thead>
<tr>
<th>Slope Transition Details</th>
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<tbody>
<tr>
<td>Slope Transition .....................................................................</td>
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<tr>
<td>Transition at Membrane Roofing ...............................................</td>
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<thead>
<tr>
<th>General Information Details</th>
<th>Detail No.</th>
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<tr>
<td>Panel Hemming .........................................................................</td>
<td>10.10</td>
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<tr>
<td>End Lap Detail - Steep Slope ..................................................</td>
<td>10.15</td>
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<tr>
<td>Zee Closure Installation ............................................................</td>
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<tr>
<td>Pipe Penetration ......................................................................</td>
<td>10.30</td>
</tr>
<tr>
<td>Pipe Penetration Through Panel Rib ..........................................</td>
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<tr>
<td>Curb at High Wall &amp; Low Wall ...................................................</td>
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<tr>
<td>Curb at Sidewall .......................................................................</td>
<td>10.41</td>
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<tr>
<td>Curb Installation Detail ..........................................................</td>
<td>CRB 1-6</td>
</tr>
</tbody>
</table>
SL175 CLIP AT REQUIRED INTERVAL FOR PROJECT SPECIFIC DESIGN REQUIREMENTS

10-13x1" PANCAKE HEAD WOOD SCREW, 2 PER CLIP

SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE
Profile Option: Striations (Standard Profile)

Profile Option: Smooth

Profile Option: Pencil Ribs (2)

Profile Option: Bead Ribs (2)
IMPORTANT INSTALLATION NOTE

- SL175 CLIPS ALLOW FOR UNLIMITED THERMAL EXPANSION/CONTRACTION OF PANELS.

- "UL" CLIP TYPES MAY BE REQUIRED TO MEET SPECIFIC WIND UPLIFT TESTING.

Clip 20
18 Ga. Galvanized
1.875" x 2.25"

Clip 21 UL
18 Ga. Galvanized
1.875" x 3.5"

Clip 22
18 Ga. Stainless Steel
1.875" x 2.25"
Recommended for use with aluminum panels

Clip 23 UL
18 Ga. Stainless Steel
1.875" 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>Hot &gt;100° F</th>
<th>Warm 100° to 50° F</th>
<th>Cold &lt;50° F</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>0.145 1/8</td>
<td>0.072 1/16</td>
<td>0.000 0</td>
</tr>
<tr>
<td>20</td>
<td>0.289 5/16</td>
<td>0.145 1/8</td>
<td>0.000 0</td>
</tr>
<tr>
<td>30</td>
<td>0.434 7/16</td>
<td>0.217 3/16</td>
<td>0.125 1/8</td>
</tr>
<tr>
<td>40</td>
<td>0.579 9/16</td>
<td>0.289 5/16</td>
<td>0.125 1/8</td>
</tr>
<tr>
<td>50</td>
<td>0.724 3/4</td>
<td>0.362 3/8</td>
<td>0.188 3/16</td>
</tr>
<tr>
<td>60</td>
<td>0.868 7/8</td>
<td>0.434 7/16</td>
<td>0.188 3/16</td>
</tr>
<tr>
<td>70</td>
<td>1.013 1</td>
<td>0.507 1/2</td>
<td>0.250 1/4</td>
</tr>
<tr>
<td>80</td>
<td>1.158 1 3/16</td>
<td>0.579 9/16</td>
<td>0.250 1/4</td>
</tr>
<tr>
<td>90</td>
<td>1.302 1 5/16</td>
<td>0.651 5/8</td>
<td>0.375 3/8</td>
</tr>
<tr>
<td>100</td>
<td>1.447 1 7/16</td>
<td>0.724 3/4</td>
<td>0.375 3/8</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</td>
</tr>
<tr>
<td>10</td>
<td>0.279</td>
</tr>
<tr>
<td>20</td>
<td>0.557</td>
</tr>
<tr>
<td>30</td>
<td>0.836</td>
</tr>
<tr>
<td>40</td>
<td>1.115</td>
</tr>
<tr>
<td>50</td>
<td>1.393</td>
</tr>
<tr>
<td>60</td>
<td>1.672</td>
</tr>
<tr>
<td>70</td>
<td>1.950</td>
</tr>
<tr>
<td>80</td>
<td>2.229</td>
</tr>
<tr>
<td>90</td>
<td>2.508</td>
</tr>
<tr>
<td>100</td>
<td>2.786</td>
</tr>
</tbody>
</table>

* Chart based on temperature differential of: 180 degrees F
* Coefficient of thermal expansion for alum.: 0.0000129
SL175 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

#10-9 X 1" PANCAKE HEAD WOOD SCREW AT 12" 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.
UNION CORRUGATING CO. SL175 PANEL

SL175 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

Detail No.: SL175-WS-1.10A

Description:

Substrate:

Project Name:

Location:

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

2018-0301
EXTENDED EAVE WITH GUTTER

WOOD SUBSTRATE

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

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 8" O.C. STAGGERED

SINGLE LAYER OF APPROVED UNDERLAYMENT

STRIP IN DRIP EDGE WITH FIELD COURSE OF APPROVED UNDERLAYMENT

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

SL175 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

WOOD SUBSTRATE

UNION CORRUGATING CO. SL175 PANEL

Detail No.: SL175-WS-1.20

Description:

Substrate:

Project Name:

Location:

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

2016-0301
EXTENDED EAVE W/ GUTTER- STEEP SLOPE

WOOD SUBSTRATE

UNION CORRUGATING CO. SL175 PANEL

SL175 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

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.

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.

Project Name:
Location:

2018-0301
EXTENDED EAVE WITH SOFFIT & GUTTER

WOOD SUBSTRATE

UNION CORRUGATING CO. SL175 PANEL

SL175 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

THERMAL EXPANSION

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

FA#9 - 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
SL175 CLIP WITH (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS. NOTE: INSTALL 2 CLIPS AT EAVE TYPICAL

UNION CORRUGATING CO. SL175 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

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 W/ #10-9 X 1" PANCAKE HEAD WOOD SCREW

EXTENDED EAVE W/ VERTICAL FLUSH PANEL

WOOD SUBSTRATE

Detail No.: SL175-WS-1.50

Description:

Substrate: WOOD SUBSTRATE

Project Name: Location:

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

2018-0301
EXT. EAVE W/ VERTICAL STANDING SEAM PANELS

**Description:**
- 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.
- *Custom J-channel trim.
- #10-9 x 1" Pancake head wood screw at 12" on center.
- SL175 clip with (2) #10-9 x 1" Pancake head wood screws.
- SL12 - Sill trim fastened w/ #10-9 x 1" Pancake head wood screw.

**Substrate:**
- Wood Substrate

**Details No.:** SL175-WS-1.60

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

Project Name:
Location:

2016-0301
**GABLE DETAIL - BOX STYLE W/ Z-CLOSURE**

**WOOD SUBSTRATE**

**Description:**
- **SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS**
- **SINGLE LAYER OF APPROVED UNDERLAMENT**
- **1/8" X 1/4" STAINLESS RIVET (PAINTED) AT 18" ON CENTER**
- **ZE18 - 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**
- **FA01 - 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".

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
DOUBLE ROW OF APPROVED TUBE SEALANT

NOTCH OUT UPPER AND LOWER HEMS IN FLASHING TO BE LAPPED

OVERLAP

4"
WOOD SUBSTRATE

UNION CORRUGATING CO. SL175 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

6"
UNION CORRUGATING CO. SL175 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.
DOUBLE ROW OF APPROVED TUBE SEALANT

FASTEN VALLEY AT TOP END UNDER LAP

*SEE NOTE

TELESCLOPING VALLEY FLASHING LAP

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 LAP DETAIL

Description:

Substrate:

Project Name:

Location:

Detail No.: SL175-3.90

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
**ZE18** - Zee Closure, field cut to fit between panel ribs

Continuous bead of approved sealant adjacent to panel ribs

#10-9 x 1" Pancake head wood screw, install min. 4 per Zee or 3" on center

3/16" x 7/8" bead butyl tape sealant continuous under Zee closure

**RC05** - Ridge cap, 4" end laps with continuous approved sealant at laps

Single layer of approved underlayment

Wood substrate

1/8" x 1/4" Stainless steel rivet (painted) at 18" on center

UNION CORRUGATING CO. SL175 PANEL

SL175 clip w/ (2) #10-9 x 1" Pancake head wood screws

Thermal expansion

HIP AND RIDGE DETAIL

WOOD SUBSTRATE
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 WOOD 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.

ZE18 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

UNION CORRUGATING CO. SL.175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

SL.175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

THERMAL EXPANSION

2" MAX

AIR FLOW

VENTED RIDGE DETAIL

WOOD SUBSTRATE
VENTED RIDGE
STANDARD RIDGE HIP

Vented Ridge Cap
Approved sealant at peak intersection
Field form 1" boxed ends on vented ridge cap
Field form min. 3/4" tabs on standard ridge cap and tuck under vented ridge cap. Continuous caulk at lap
Painted pop rivet, caulk rivet head

Standard Ridge Cap

Union Corrugating Co. Panel

Zee closure set in continuous bead of sealant, cut to fit between panel ribs

SEE VENTED RIDGE DETAIL
SEE RIDGE DETAIL

Description:
STANDARD TO VENTED RIDGE TRANSITION
Detail No.: SL175-4.30

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
RIDGE CAP TABS TO BE FIELD CUT AND FORMED ONTO INTERSECTING ROOF PLANE. TUCK TABS INTO VALLEY OFFSET HEM UNIION 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
HIP & RIDGE CAP LAP DETAIL

Description:

NOTCH OUT HEMS IN RIDGE CAP TO BE LAPPED

OVERLAP

2 ROWS OF APPROVED TUBE SEALANT EACH SIDE

POP RIVETS AT LAP

IMPORTANT INSTALLATION NOTE
REFER TO HIP/RIDGE CAP EXPANSION DETAIL FOR HIP/RIDGE LENGTHS OVER 40'-0".
IMPORTANT INSTALLATION NOTE
USE AT EVERY 40° OF CONTINUOUS RIDGE. DO NOT POP RIVET LAPPED FLASHING.

STEP 1
- NOTCH OUT HEMS IN RIDGE CAP TO ALLOW 4" LAP
- 2 ROWS OF APPROVED TUBE SEALANT EACH SIDE
- 4" LAP
- 2" NOTCH OUT HEMS 2" TO ALLOW EXPANSION

STEP 2
- FIELD FORM COVER PLATE HEM AROUND LAPPED RIDGE CAPS
- 8" COVER PLATE
- 4" LAP
- 2" STEP

STEP 3
- FIELD FORM COVER PLATE HEM AROUND LAPPED RIDGE CAPS
- 6" COVER PLATE
- LINE OF OVERLAP
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

ZE18 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL175 CLIP W/ (2) #10-9 X 1"
PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT
WOODB 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
**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

**ZE18** - 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

SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

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

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

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

**WOOD SUBSTRATE**

1" MIN.

IN AIR FLOW

Vented Peak Detail

SL175-WS-5.20

Description:

Substrate:

WOOD SUBSTRATE

Project Name:

Location:

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

2016-0301
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

ZE18 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS
1/8" X 1/4" STAINLESS STEEL RIVET (PAINTED) AT 18" ON CENTER

SL175 CLIP W/ (2) #10-9 X 1"
PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYERMENT

WOOD SUBSTRATE

THERMAL EXPANSION

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

Description:
Substrate:
Project Name:
Location:
DEAL No.:
SL175-WS-5.40

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
MASONRY THRU-WALL FLASHING WITH WEEP HOLES

CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT

MASONRY ANCHOR @ 18" O.C.

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

ZE18 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

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

SL175 CLIP W/ (2) #10-9 X 1"

PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

WIND SUBSTRATE

THERMAL EXPANSION

Description:
HIGHTWALL DETAIL - REGLET

Substrate:
WOOD SUBSTRATE

Detail No.: SL175-WS-6.10

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 LAP.

**VH01** - VENTED HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAP.

**ZE18** - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS WITH CONT. BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS.

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

**SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS**

**UNION CORRUGATING CO. SL175 PANEL**

**SINGLE LAYER OF APPROVED UNDERLAYMENT**

**WOOD SUBSTRATE**

**MASONRY THRU-WALL FLASHING WITH WEEP HOLES**

**CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT**

**MASONRY ANCHOR AT 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

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

**THERMAL EXPANSION**

**AIR FLOW**

**WOOD SUBSTRATEBar**

**VENTED HIGHWALL DETAIL - REGLET**

**Detail No:**

**SL175-WS-6.11**

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

**ZE18** - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

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

SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

CONTINUOUS BEAD OF APPROVED SEALANT

MASTORY ANCHOR AT 18" O.C.

THERMAL EXPANSION
HIGHWALL DETAIL - WALL PANEL W/ SILL

WOOD SUBSTRATE

UNION CORRUGATING CO. FL100 WALL PANEL

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

ZE18 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

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

SL175 CLIP W/ (2) #10-9 X 1"

PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 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

ZE18 - ZEE CLOSURE, FIELD CUT TO FIT BETWEEN PANEL RIBS

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

SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

UNION CORRUGATING CO. SL175 PANEL

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

THERMAL EXPANSION
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

**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

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**UNION CORRUGATING CO. SL175 PANEL**

**SL175 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').
NOTCH OUT HEM IN FLASHING TO BE LAPPED

DOUBLE ROW OF APPROVED TUBE SEALANT

OVERLAP

POP RIVETS AT LAP

4"
**SIDEWALL DETAIL - REGLET**

**Description:**
- **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
- **SA01** - CONTINUOUS SUB-FLASHING ANGLE, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
- **MASONRY THRU-WALL FLASHING WITH WEEP HOLES**
- **CONTINUOUS BEAD OF APPROVED SEALANT IN REGLET CUT**
- **PANEL LEG OR FIELD FORM PANEL LEG (MIN. 1-1/4")**
- **MASONRY ANCHOR AT 18" O.C.**
- **STRIP IN J-CHANNEL SUB-FLASHING WITH FIELD COURSES OF APPROVED UNDERLAYMENT**
- **UNION CORRUGATING CO. SL175 PANEL**
- **SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS**
- **SINGLE LAYER OF APPROVED UNDERLAYMENT**
- **WOOD SUBSTRATE**

**Substrate:**
- **WOOD SUBSTRATE**

**Detail No.:**
SL175-WS-7.11

**Project Name:**

**Location:**

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

**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. SL175 PANEL**

**SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS**

**SINGLE LAYER OF APPROVED UNDERLAYMENT**

**WOOD SUBSTRATE**
SIDEWALL DETAIL - REGLET

WOOD SUBSTRATE

Description:

SW12 - SIDEWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

RF40 - REGLET 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

MASONRY ANCHOR AT 18" O.C.

MASONRY THRU-WALL FLASHING WITH WEEP HOLES

SJ20 - 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. SL175 PANEL

SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

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

SW12 - 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")

SJ20 - 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. SL175 PANEL

SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

Description:

SIDEWALL DETAIL - SURFACE MOUNT

WOOD SUBSTRATE

Detail No.: SL175-WS-7.22

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
**SW12** - 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")

**SJ120** - J-CHANNEL SUBFLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS

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

UNION CORRUGATING CO. SL175 PANEL

SL175 CLIP W/ (2) #10-9 X 1" PANCAKE HEAD WOOD SCREWS

SINGLE LAYER OF APPROVED UNDERLAYMENT

WOOD SUBSTRATE

Description: SIDEWALL DETAIL - WOOD FRAMING & SIDING

Substrate: WOOD SUBSTRATE

Detail No.: SL175-WS-7.23

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

**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.

**ZE18** - ZEE CLOSURE FASTENED WITH #10-9 X 1" PANCAKE HEAD SCREW

- CONTINUOUS ROW OF BUTYL TAPE
- UNION CORRUGATING CO. SL175 PANEL
- SINGLE LAYER OF APPROVED UNDERLAYERMENT

**SL175 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".

**WOOD SUBSTRATE**

**SIDEWALL W/ ZEE DETAIL - REGLET**

**SL175-WS-7.31**

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

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

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.

ZE18 - ZEE CLOSURE FASTENED WITH #10-9 X 1 PANCAKE HEAD SCREW
CONTINUOUS ROW OF BUTYL TAPE
UNION CORRUGATING CO. SL175 PANEL
SINGLE LAYER OF APPROVED UNDERLAYMENT
WOOD SUBSTRATE
SL175 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 REQUIRES WEATHERTIGHTNESS WARRANTY.
- THIS DETAIL NOT TO BE USED WITH PANEL LENGTHS GREATER THAN 30'-0".

SIDEWALL W/ ZEE DETAIL - SURFACE MOUNT

WOOD SUBSTRATE

Detail No.: SL175-WS-7.32

Description:
Substrate:
Project Name:
Location:

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

**ZE18** - ZEE CLOSURE FASTENED WITH #10-9 X 1" PANCAKE HEAD SCREW

Continuous Row of Butyl Tape

Union Corrugating Co. SL175 Panel

Single Layer of Approved Underlayment

Wood Substrate

SL175 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 Requires Weathertightness Warranty.

- This detail not to be used with panel lengths greater than 30'-0".

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**Description:**
SIDEWALL W/ ZEE - WOOD FRAMING & SIDING

**Substrate:**
WOOD SUBSTRATE

**Project Name:**

**Location:**

**Detail No.:**
SL175-WS-7.33

Details and instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
EJ21 - Expansion Joint Flashing, 4" End Laps with Continuous Approved Sealant at Laps

SJ20 - J-Channel Sub-Flash, 4" End Laps with Continuous Approved Sealant at Laps

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

1/8" X 1/4" Stainless Steel Rivet (Painted) at 18" on Center

Strip in J-Channel Sub-Flash with Field Courses of Approved Underlayment

Union Corrugating Co. SL175 Panel

Continuous Row of Approved Sealant Between Panel Leg and J-Channel Sub-Flash

Single Layer of Approved Underlayment

#10-9 x 1" Pancake Head Wood Screw at 20" O.C.

Wood Substrate

Exp. Gap

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

Description:
WOOD SUBSTRATE

Substrate:
WOOD SUBSTRATE

Project Name:

Location:

Detail No:
SL175-WS-8.10

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

UNION CORRUGATING CO. SL175 PANEL

STRIP IN SLOPE TRANSITION FLASHING WITH FIELD COURSE OF APPROVED UNDERLAMENT

#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

ST01 - SLOPE TRANSITION 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

ZE18 - 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 UNDERLAMENT

WOOD SUBSTRATE

THERMAL EXPANSION

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

UNION CORRUGATING CO. SL175 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

DETAIL A-A

UNION CORRUGATING COMPANY

FIELD HEMMING PANEL END

SL175-10.10

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
4 SCREWS PER ZEE MIN. OR 3" O.C.

FIELD CUT ZEE CLOSURE TO FIT BETWEEN PANEL RIBS

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

CONT. BEAD OF APPROVED SEALANT ADJACENT TO PANEL RIBS
CONTINUOUS BEAD OF APPROVED SEALANT AROUND TOP OF BOOT
S.S. PIPE CLAMP
PIPE BOOT
12-14 X 1" S.D. W/ WASHER, 1" O.C.
MINIMUM CLEARANCE BETWEEN FLANGE OF BOOT FLASHING AND PANEL RIBS

1" MIN.

CONTINUOUS APPROVED TUBE SEALANT AROUND BASE OF PIPE AND SUBSTRATE OPENING

LEAVE MIN. 1/2" CLEARANCE AROUND PENETRATION

SET SECUREMENT RING IN CONTINUOUS BEAD OF APPROVED TUBE SEALANT

UNION REPEL® SYNTHETIC UNDERLAYMENT OR APPROVED UNDERLAYMENT

WOOD SUBSTRATE

PANEL CLIP W/ (2) #10 X 1" PANCAKE FASTENERS PER CLIP

IMPORTANT INSTALLATION NOTE
WHEN BOOT SIZE EXCEEDS MINIMUM CLEARANCE OF 1", REFER TO CURB DETAILS.
IMPORTANT INSTALLATION NOTE
*WHEN BASE OF ZEE FRAME EXCEEDS MIN. CLEARANCE OF 3" REFER TO CURB DETAILS.

PIPE PENETRATION THROUGH PANEL RIB

Description:

Substrate:

Project Name:

Location:

Detail No.: SL175-10.31

2016-0301

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
LOW WALL & HIGHWALL @ SQUARE PENETRATION

Description:

UNION CORRUGATING CO. SL175 PANEL
STRIP IN LOW WALL FLASHING WITH FIELD COURSES OF APPROVED UNDERLayment
OC01 - 24 GA. CONTINUOUS OFFSET CLEAT
LW01 - CONTINUOUS LOW WALL FLASHING
CURB FRAMING SUPPLIED BY OTHER
WOOD SUBSTRATE
HW01 - HIGHWALL COUNTER FLASHING, 4" END LAPS WITH CONTINUOUS APPROVED SEALANT AT LAPS
CONTINUOUS BEAD OF APPROVED SEALANT AT PANEL LEG AND ZEE-CLOSURE
ZE18 - ZEE CLOSURE FASTENED WITH #10-9 X 1" PANCAKE HEAD SCREW ON CONT. ROW OF BUTYL TAPE
SINGLE LAYER OF APPROVED MEMBRANE UNDERLayment
EXPANSION DIRECTION
POINT OF FIXITY

Wood Substrate

Project Name:
Location:

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

**ZE18** - 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

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**SIDEWALL @ SQUARE PENETRATION**

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
STEP I
INSTALL PANELS AROUND CURB.

SEE DETAIL A2

FIELD FORM LEGS AGAINST CURB SIDES MIN. 1" HIGH

SEE DETAIL A1

DETAIL A1

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

REMOVE HOOK IN MALE LEG

12" MIN.

PANEL INSTALLATION DIRECTION

2" NOM.
STEP 2

APPLY ZEE CLOSURE FLASHING OVER DOUBLE BEAD MASTIC

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

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

SL175 CURB DETAILS - STEP 2

Description: [Details]
Substrate: [Details]
Project Name: [Details]
Location: [Details]

General Information

Details and Instructions subject to change without notice. Contact Union Corrugating Company for specific project details.
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
STEP 4
INSTALL LOW WALL FLASHING

FIELD FORM TABS

FIELD FORM LEG
1 1/2" MIN. HEIGHT

LOW WALL FLASHING

FIELD FORM LEG
1 1/2" MIN. HEIGHT

REMOVE EXCESS
GUARD

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

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

FASTENER AS REQUIRED BY CONDITION

APPLY SEALANT AT TRIM LAPS TYPICAL

PANEL INSTALLATION DIRECTION

16" MIN.
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

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

SEALANT AT ZEE & LOW WALL INTERSECTION BOTH SIDES OF CURB

PANEL INSTALLATION DIRECTION

SL175 CURB DETAILS - STEP 5

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

2016-0105
STEP 6
INSTALL FINAL SEAL AND FASTEN AS REQUIRED.

INSTALL FINAL UPPER PANEL OVER LOW WALL FLASHING ONTO CLEAT

DETAIL 10.41
DETAIL 10.40
PANEL INSTALLATION DIRECTION

SL175 CURB DETAILS - STEP 6

GENERAL INFORMATION