# Western States 7/8” Corrugated

## Installation, Flashings & Shop Drawing Detail Guide

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Notes to Designer and Installers

The details contained in this guide are proven industry details and are intended to be used as a design aid and installation guide. It does not depict all situations that may be encountered on all projects. Modifications are the responsibility of the designer/owner/installer. Consideration should be given for Fit for Purpose, Building use, Climate conditions such as temperature, snow, wind, and moisture, Governing Building Codes, and Maintenance. It is highly recommended that all trims and flashings be of the same material as the panels (metal, gauge, finish) to ensure long term performance and durability. Where possible, flashing edges should be hemmed to strengthen the edge and protect the cut edge from exposure.

Framing and Substrates
7/8” Corrugated panels are used over all type of substrates like Steel Decking, open purlins, spaced sheathing, and wood decking such as plywood. Most details in this guide are shown with panels attached to solid wood substrates.

Note on underlayment
Not all conditions require an underlayment. However metal roofing is susceptible to Condensation and it is recommended that an appropriate Roofing underlayment be use on all wood substrates to protect the structure during installation. For added protection from rain and snow, it is recommended to use rubberized Ice and water shield on eaves, valleys, and areas of roof penetrations.

Slope Requirements
It is recommended that 7/8” Corrugated panels have a minimum slope requirement of 3:12 on all structures.

Valley and Snow Design
Valley design and dimension must be the proper width to accommodate high snow, rain, ice, and slope conditions. If possible, splices, penetrations, valleys, roof elevation changes, should be minimized in areas of high snow and ice accumulations.

Oil Canning
Oil canning is a condition common with flat metal surfaces. This waviness is caused by steel mill tolerances, forming, variations in the structures surfaces, and hardness of the steel. Measures are taken at the roll forming process, like profile design, steel gauge, corrective leveling, to minimize the effects of oil canning. Oil Canning is a Characteristic of steel and can not be eliminated totally and therefore is not reason for rejection of the panels.

Job Site Storage
While waiting to be installed on the job site, Storage of panels, trim crates, and flat sheet should be sloped in order to allow for proper moisture run off. One end should be elevated so as not to allow ponding of water on the metal surface. When using tarps for protection, proper ventilation should be provided to prevent condensation. Moisture or condensation that is trapped inside a bundle can lead to white rust on sheeting.

References
For other installation techniques and details, The Sheet Metal and Air Conditioning Contractors National Association Inc. (SMACNA) and NRCA manuals are great resources for working with sheet metal.

Technical Assistance
Contact your WSDI sales or technical representative for any additional information or assistance.
Western States 7/8” Corrugated Panel
Installation, Flashings & Shop Drawing Detail Guide

Fastener Placement and Selection

7/8” Corrugated WALL Application (34 2/3” Coverage)

7/8” Corrugated ROOF Application (32” Coverage)

Notes to Installers:

- Fastener Selection will vary depending on type and thickness of substrate.
- Space panel lap screws 12” minimum -18” O.C. maximum. Consult with design engineer.
- Spacing of fastener rows to be engineered by others.

- Lap panels away from prevailing winds whenever possible.
- The use of Butyl tape mastic is always recommended on the panel lap when used for roof panels.
- Panels and flashings should never be installed in contact with dissimilar metals.
- Use only those flashings and accessories designed for use with this panel.
- Panel attachment screws must be long enough to fully penetrate through roof deck substrate or penetrate solid lumber at least one inch.

- Exposed Fasteners should have sealing washers and be coated to provide protection against corrosion.
- Screws must be properly driven to ensure holding strength and proper seal. (see diagram)
- Recommended drill speed is 2000rpm. Improper setting of drill speed can lead to snapping of screw heads.
- Pre drilling of screw holes may be necessary with heavy gauge metals.
## Fastener Selection

<table>
<thead>
<tr>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>#9 x 1” Wood Drillers</td>
<td>Used to attach panels to dimensional Lumber and plywood</td>
</tr>
<tr>
<td>#9 x 1.5” Wood Drillers</td>
<td></td>
</tr>
<tr>
<td>#9 x 2” Wood Drillers</td>
<td></td>
</tr>
<tr>
<td>#12-14 x 1” SD</td>
<td>Used to attach panels to Purlins and other metal substrates</td>
</tr>
<tr>
<td>#12-14 x 1.5” SD</td>
<td></td>
</tr>
<tr>
<td>#12-14 x 2” SD</td>
<td></td>
</tr>
<tr>
<td>#12-24 x 1.25”sd</td>
<td></td>
</tr>
<tr>
<td>#14 x 7/8” Lap Self tap</td>
<td>Used to attach Trims and panel side laps. Stainless to be used with A606-4 Steel</td>
</tr>
<tr>
<td>#14 x 7/8 Lap Stainless</td>
<td></td>
</tr>
<tr>
<td>#10-12 x 1” Pancake Wood</td>
<td>Used to secure trims to substrates. Also available in Stainless Steel.</td>
</tr>
<tr>
<td>#10-12 x 1” SD Self Driller</td>
<td></td>
</tr>
<tr>
<td>1/8” Stainless Rivets</td>
<td>Used for Trim to Trim attachment or trim to wall panels.</td>
</tr>
<tr>
<td>Stainless Screws</td>
<td>Used for panel attachment for panels made with A606-4 Steel</td>
</tr>
<tr>
<td>#10 x 1” Wood Driller</td>
<td></td>
</tr>
<tr>
<td>#10 x 1.5” Wood Driller</td>
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</tr>
<tr>
<td>#10 x 2” Wood Driller</td>
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- The table above shows the panel Fasteners provided by WSD. Special order screws are available.
<table>
<thead>
<tr>
<th>Detail #</th>
<th>Panel Type</th>
<th>Rev</th>
<th>Date</th>
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<tr>
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<td>STANDARD TRIM</td>
<td>B</td>
<td>01-14-13</td>
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<td>PANEL TYPE:</td>
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<td>STANDARD TRIM</td>
<td>01-14-13</td>
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<tr>
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**Western States Metal Roofing**

901 W. Watkins St.  
Phoenix, AZ 85007  
Phone: (602) 495-0048  
Fax: (602) 261-7726  
www.MetalForRoofing.com  
www.RustedRoofing.com  
www.MetalDeck.com

**STANDARD TRIM**

- SIDEWALL FLASHING WS-7-78U
- JAMB TRIM WS-3-78U
- HEAD TRIM WS-8-78U
- BASE TRIM WS-6-78U

**OUTSIDE CORNER**

- WS-47-UOC
- WS-55-UOC

**INSIDE CORNER**

- WS-46-UIC
- WS-56-UIC

**RIDGE/HIP CAP**

- WS-5
- WS-5H
- WS-20

* Denotes angle

**Color Side**

- 1/2" HEM
- 6"
<table>
<thead>
<tr>
<th>DOWNSPOUT ELBOW WS-43</th>
<th>DOWNSPOUT OUTLET WS-75</th>
<th>DOWNSPOUT STRAP WS-42</th>
<th>SCULPTURE GUTTER END CAP WS-49</th>
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<tbody>
<tr>
<td><img src="image1" alt="Downspout Elbow" /></td>
<td><img src="image2" alt="Downspout Outlet" /></td>
<td><img src="image3" alt="Downspout Strap" /></td>
<td><img src="image4" alt="Sculpture Gutter End Cap" /></td>
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</table>

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**STANDARD TRIM**

<table>
<thead>
<tr>
<th>PANEL TYPE:</th>
<th>DATE:</th>
</tr>
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<tbody>
<tr>
<td>7/8&quot; Corrugated</td>
<td>06-01-12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DETAIL #:</th>
<th>REV:</th>
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</thead>
<tbody>
<tr>
<td>WSD-ST8</td>
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</table>
NOTE:
FOR HIGH SNOW AREA THE OVERHANG SHOULD BE 1” MAX.

7/8” CORRUGATED PANEL INSIDE FOAM CLOSURE (SET IN SEALANT)

#9X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) *FOOTNOTE

EAVE FLASHING (WS-4)

BLOCKING/FASCIA

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

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GAUGE: _______  COLOR: _______
BREAKS: _______  FINISH: _______
LENGTH: _______  STRETCH OUT: _______
MATERIAL: _______

EAVE DETAIL

7/8" Corrugated

PAGE #:
WSD-E1

DETAIL #:

01-14-13
06-01-12
NOTE:
FOR HIGH SNOW AREA THE OVERHANG SHOULD BE 1” MAX.

7/8" CORRUGATED PANEL
INSIDE FOAM CLOSURE (SET IN SEALANT)

#9X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) *FOOTNOTE

MINI EAVE FLASHING (WS-40)
BLOCKING/FASCIA

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

APPROPRIATE UNDERLAYMENT
WOOD DECKING
ROOF RAFTER

FASTENER AT 12” O.C.

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APPROPRIATE UNDERLAYMENT
WOOD DECKING
ROOF RAFTER

FASTENER AT 12" O.C.
BLOCKING/FASCIA

7/8" CORRUGATED PANEL
INSIDE FOAM CLOSURE
(SET IN SEALANT)

#9X WOOD SCREW TBD HEX
HEAD (SEE PAGE 3 & 4 FOR
FASTENER PLACEMENT AND
SELECTION) * FOOTNOTE

(WS-12) GUTTER STRAP AT 36" O.C
MAX. FASTEN STRAP TO GUTTER
W/(2) #14X7/8" LAP SELF DRILLER

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06-01-12

B 01-14-13
A 06-01-12
REV: DATE:

DETAIL #: WSD-EG1
WSD-EG2 7/8" Corrugated

**Panel Type:**

**Rev:**

**Date:**

**Detail #:**

**Eave Detail**

**Post Hung**

**Gutter Detail**

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POP RIVET ONE SIDE AS REQUIRED

APPLY NON-CURING BUTYL SEALANT ON BOTH SIDES OF GUTTER

*GUTTER SPLICE (WS-13)
* DENOTES ANGLE

*SCULPTURE GUTTER SPLICE (WS-60)
* DENOTES ANGLE

NOTE:
GUTTER SPLICE TO BE INSTALLED ON OUTSIDE OF GUTTER

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A

7/8" Corrugated

color: __________
breaks: __________
finish: __________
gauge: __________
length: __________
stretch out: __________
material: __________
gable flashing

* Footnote: Fastener type over purlins to be #12x self driller fastener

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GABLE FLASHING
WS-16-UGF

#14x7/8" Lap All Driller
12"

Butyl Tape Seal

Gable Flashing
WS-16-UGF

#9x wood screw TBD HEX
head

Blocking/Fascia

Appropriate Underlayment

Wood Decking

Roof Rafter

#9x wood screw TBD HEX
head

(see page 3 & 4 for
fastener placement and
selection) * Footnote

7/8" Corrugated Panel

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MINI GABLE FLASHING DETAIL

- **Gauge:**
- **Color:**
- **Breaks:**
- **Finish:**
- **Length:**
- **Stretch Out:**
- **Material:**

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MINI GABLE FLASHING (WS-41)

- #14x7/8" LAP SELF DRILLER @ 12" O.C. MAX.
- BUTYL TAPE SEAL
- MINI GABLE FLASHING (WS-41)
- MINI GABLE FLASHING (WS-41)
- #9x WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) *FOOTNOTE
- 7/8" CORRUGATED PANEL
- COLOR SIDE
- 3/8"
- 3/8"
- 1/2" HEM
- 1/2" HEM
- 1/4"
- 1/4"

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

MINI GABLE FLASHING DETAIL

- GAUGE:
- COLOR:
- BREAKS:
- FINISH:
- LENGTH:
- STRETCH OUT:
- MATERIAL:

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MINI GABLE FLASHING DETAIL

- PANEL TYPE:
- 7/8" Corrugated

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DETAIL #:

PANEL TYPE: PEAK FLASHING/HIGH EAVE DETAIL

REV: DATE:

A   06-01-12

BREAKS:

FINISH:

MATERIAL:

GAUGE:

COLOR:

LENGTH:

STRETCH OUT:

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

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PEAK FLASHING/HIGH EAVE DETAIL
7/8" Corrugated

PEAK FLASHING/HIGH EAVE FLASHING
(WS-19)

* DENOTES ANGLE

* FOOTNOTE:
FASTENER AT 12" O.C.

#14X7/8" LAP SELF DRILLER @ 12" O.C. MAX.

BUTYL TAPE SEAL

2X BLOCKING

WALL PANEL

SIDEWALL FLASHING (WS-7-78U)

#9X_ WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) * FOOTNOTE

7/8" CORRUGATED PANEL

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

WOOD DECKING

ROOF RAFTER

APPROPRIATE UNDERLAYERMENT

SIDEWALL FLASHING (WS-7-78U)

COLOR SIDE

6"

1/2" HEM

GAUGE: 
COLOR: 
BREAKS: 
FINISH: 
LENGTH: 
STRETCH OUT: 
MATERIAL: 

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SIDEWALL FLASHING DETAIL
7/8" Corrugated

DETAIL #: WSD-SW4
ENDWALL FLASHING DETAIL

WSD-EW5

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ENDWALL FLASHING (WS-28)

7/8” CORRUGATED PANEL

#9X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) * FOOTNOTE

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

COLOR SIDE

6”

3” HEM

2X BLOCKING

APPROPRIATE UNDERLayment

WOOD DECKING

ROOF RAFTER

#14X7/8” LAP SELF DRILLER @ 12” O.C. MAX.

OUTSIDE FOAM CLOSURE (SET IN SEALANT)

ENDWALL FLASHING (WS-28)

FASTENER AT 12” O.C.

BUTYL TAPE SEAL

WALL PANEL

LENGTH: ________  STRETCH OUT: ________

MATERIAL: ________________

BREAKS: ________  FINISH: ________

GAUGE: ________  COLOR: ________

01-14-13  B
06-01-12  A

ENDWALL FLASHING DETAIL

B 01-14-13
A 06-01-12

REV:  DETAIL #:
DATE:

7/8” Corrugated
**FORMED RIDGE DETAIL**

**7/8" Corrugated**

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* FOOTNOTE: FASTENER TYPE OVER PURLINS TO BE 12X SELF DRILLER FASTENER

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* 6:12 PITCH MAX.

WOOD DECKING
ROOF RAFTER

APPROPRIATE UNDERLAYMENT

2X BLOCKING

#14X7/8" LAP SELF DRILLER @ 12" O.C. MAX.

BUTYL TAPE SEALANT (UNDER RIDGE CAP)

7/8" CORRUGATED PANEL

#9X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) * FOOTNOTE

DIE FORMED RIDGE (WS-21)

* 01-14-13

DIE FORMED RIDGE (WS-21)

* 06-01-12
RIDGE/HIP CAP DETAIL

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GUAGE: _______ COLOR: _______
BREAKS: _______ FINISH: _______
LENGTH: _______ STRETCH OUT: _______
MATERIAL: _______

RIDGE/HIP CAP DETAIL
7/8" Corrugated

* FOOTNOTE: FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

WOOD DECKING
ROOF RAFTER

APPROPRIATE UNDERLAYERMENT

OUTSIDE FOAM CLOSURE
(SET IN SEALANT)

#9X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) * FOOTNOTE

7/8" CORRUGATED PANEL

#14X7/8" LAP SELF DRILLER @ 12" O.C. MAX.

BUTYL TAPE SEAL

2X BLOCKING

* RIDGE/HIP CAP (WS-5) (WS-5H)
(WS-20) (WS-20H)
* DENOTES ANGLE (H=HEM)

* (WS-5)=7" OR (WS-20)=10"
(WS-5H)=7" OR (WS-20H)=10"

COLOR SIDE

COLOR #:

DETAIL #: WSD-RH6

REV: 01-14-13
DATE: 06-01-12
**VALLEY FLASHING (WS-23, WS-24, WS-25)**

* DENOTES ANGLE

(WS-24)=1" OR (WS-25)=18 3/4"

NOTE:
ICE AND WATER SHIELD 3' EACH SIDE
AVAILANCHE VALLEY FOR HIGH SNOW
AND ICE AREAS

#9x WOOD SCREW TBD HEX
HEAD (SEE PAGE 3 & 4 FOR
FASTENER PLACEMENT AND
SELECTION) * FOOTNOTE

16GA VALLEY SUPPORT PLATE REQUIRED
WHEN INSTALLED OVER PURLINS

APPRIOPRIATE UNDERLAYMENT
WOOD DECKING
ROOF RAFTER

INSIDE FOAM CLOSURE
(SET IN SEALANT)

7/8" CORRUGATED PANEL

*VALLEY FLASHING (WS---)

FASTENER AT 12" O.C.

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GAUGE: _______  COLOR: _______
BREAKS: _______  FINISH: _______
LENGTH: _______  STRETCH OUT: _______
MATERIAL: _______

**VALLEY DETAIL**

B 01-14-13
A 06-01-12

PANEL TYPE:
7/8" Corrugated

DETAIL #: WSD-V7
INSIDE FOAM CLOSURE
(SET IN SEALANT)
FASTENER AT 12" O.C.

#9X WOOD SCREW TBD HEX
HEAD (SEE PAGE 3 & 4 FOR
FASTENER PLACEMENT AND
SELECTION) * FOOTNOTE

PITCH BREAK HIGH TO LOW (WS-36)

#14X7/8" LAP SELF DRILLER
@ 12" O.C. MAX.

BUTYL TAPE SEAL
OUTSIDE FOAM CLOSURE
(SET IN SEALANT)

7/8" CORRUGATED PANEL

2 ROWS OF BUTYL TAPE SEAL
APPROPRIATE UNDERLAMENT
WOOD DECKING
ROOF RAFTER

* FOOTNOTE:
FASTENER TYPE OVER PURLINS
TO BE #12X SELF DRILLER
FASTENER

PITCH BREAK HIGH TO LOW FLASHING
(WS-36)
* DENOTES ANGLE

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GAUGE: ________  COLOR: ________
BREAKS: ________  FINISH: ________
LENGTH: ________  STRETCH OUT: ________
MATERIAL: ________

PITCH BREAK HIGH TO LOW DETAIL
B 01-14-13
A 06-01-12
DETAIL #: WSD-PB8

7/8" Corrugated
PITCH BREAK LOW TO HIGH DETAIL

7/8" CORRUGATED PANEL

2 ROWS OF BUTYL TAPE SEAL
APPROPRIATE UNDERLAYMENT
WOOD DECKING
ROOF RAFTERS

INSIDE FOAM CLOSURE
(SET IN SEALANT)
FASTENER AT 12" O.C.
7/8" CORRUGATED PANEL

#9X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) *FOOTNOTE

#14X7/8" LAP SELF DRILLER @ 12" O.C. MAX.
BUTYL TAPE SEAL
OUTSIDE FOAM CLOSURE
(SET IN SEALANT)
7/8" CORRUGATED PANEL

PITCH BREAK LOW TO HIGH (WS-37)
* DENOTES ANGLE

COLOR SIDE
SLOPE S1
SLOPE S2
3° HEM

PITCH BREAK LOW TO HIGH FLASHING (WS-37)
* DENOTES ANGLE

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B 01-14-13
A 06-01-12

DETAIL #: WSD-PB9

GAUGE: _______ COLOR: _______
BREAKS: _______ FINISH: _______
LENGTH: _______ STRETCH OUT: _______
MATERIAL: _______
ANCHOR FASTENER BY OTHERS

#14 X 7/8" LAP SELF DRILLER @ 12" O.C. MAX.

BUTYL TAPE SEAL

2X BLOCKING

CAULK SEALANT
REGLET FLASHING CUSTOM TRIM (WS-29)

SIDEWALL FLASHING (WS-7-78U)

#9 X WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) * FOOTNOTE

7/8" CORRUGATED PANEL

APPROPRIATE UNDERLAYMENT
WOOD DECKING
ROOF RAFTER

* FOOTNOTE:
FASTENER TYPE OVER PURLINS
TO BE #12 X SELF DRILLER FASTENER

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B 01-14-13
A 06-01-12

CHIMNEY FLASHING DETAILS

7/8" Corrugated

DETAIL #: WSD-CF11
PIPE FLASHING DETAIL

7/8" Corrugated

VENT/PIPE FLASHING
SET IN SEALANT AND FORM TO PANEL PROFILE

7/8" CORRUGATED PANEL

FASTEN AT 1" O.C.

* SEE MANUFACTURING SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS

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PIECE FLASHING

MATERIAL:

GAUGE: ________ COLOR: ________
BREAKS: ________ FINISH: ________
LENGTH: ________ STRETCH OUT: ________

DETAIL #: WSD-PF12

01-14-13
06-01-12
7/8” CORRUGATED WALL PANEL

#9X WOOD SCREW TBD HEX
HEAD (SEE PAGE 3 & 4 FOR
FASTENER PLACEMENT AND
SELECTION) *FOOTNOTE

BASE TRIM
(WS-6-78U)

*FOOTNOTE:
FASTENER TYPE OVER PURLINS
TO BE #12X SELF DRILLER
FASTENER

APPROPRIATE UNDERLAYMENT
WOOD DECKING
WALL FRAME

2X BLOCKING
FASTENER AT
12” O.C.

BASE TRIM
(WS-6-78U)

COLOR SIDE

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#9X_ WOOD SCREW TBD HEX HEAD (SEE PAGE 3 & 4 FOR FASTENER PLACEMENT AND SELECTION) * FOOTNOTE

#14X7/8" LAP SELF DRILLER @ 12" O.C. MAX.

INSIDE CORNER (WS-56-UIC)

7/8" CORRUGATED WALL PANEL

APPROPRIATE UNDERLAYMENT

WOOD DECKING

WALL FRAME

* FOOTNOTE:
FASTENER TYPE OVER PURLINS TO BE #12X SELF DRILLER FASTENER

COLOR SIDE 3/8" 1/2" HEM

*INSIDE CORNER (WS-46-UIC)

COLOR SIDE 1/2" HEM

7" 1/2 HEM

*INSIDE CORNER (WS-56-UIC)

COLOR SIDE 1/2" HEM

7" 1/2 HEM

*INSIDE CORNER (WS-77-UIC)

COLOR SIDE 1/2" HEM

7" 7/8" HEM

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GUAGE: _______  COLOR: _______
BREAKS: _______  FINISH: _______
LENGTH: _______  STRETCH OUT: _______
MATERIAL: _______

INSIDE CORNER WALL DETAIL
DETAIL #: WSD-W17

B 01-14-13
A 06-01-12
PANEL TYPE: 7/8" Corrugated
REV: _______  DATE: _______

Panels: WSD-W17
Western States 7/8” Corrugated Panel  
Installation, Flashings & Shop Drawing Detail Guide

Special Design Considerations

The details contained in this guide are proven industry details and are intended to be used as a design aid and installation guide. It does not depict all situations that may be encountered on all projects. Modifications are the responsibility of the designer/owner/installer. Consideration should be given for Fit for Purpose, Building use, Climate conditions such as temperature, snow, wind, and moisture, Governing Building Codes, and Maintenance. It is highly recommended that all trims and flashings be of the same material as the panels (metal, gauge, finish) to ensure long term performance and durability. Where possible, flashing edges should be hemmed to strengthen the edge and protect the cut edge from exposure.

Acceptance

Use of this manual is strictly voluntary. Details that are provided are to be used as a guide only. Details may not be applicable for all situations. This guide provides one standard detail and WSDI accepts that other installation details may be needed and other details may exist. WSDI makes no guarantee as to the Weather Tightness of the system or details found with in this guide. The information in this manual is believed to be correct and accurate at the time of printing. WSDI reserves the right to change details, discontinue products, change designs at any time without incurring obligation. It is best to consult your Design Engineer for recommendations.

Underlayment

There are many types of underlayment’s on the market today. All designed with a special purpose depending on the type of Metal and profile. Many different types of metal will require a different type of underlayment, such as A606-4 (Corten) which requires a High Temperature underlayment. It is best to consult your Design Engineer for recommendations.

Valley and Snow Design

Valley design and dimension must be the proper width to accommodate high snow, rain, ice, and slope conditions. If possible, splices, penetrations, valleys, roof elevation changes, should be minimized in areas of high snow and ice accumulations. Details found in this manual may not pertain in areas of high snow and ice accumulations.

Panel coverage and fastening

Normal panel width of 7/8” corrugated panel is 36”. However depending on the finish selected and the required coil feed, it may be necessary for WSD to shorten the width of the panel. Please consult with your WSDI representative for details and fastening recommendations.

Safety and Maintenance

Walking on and installing any roof is dangerous! Extreme care should always be used when walking on roofs. Safety should always be a top priority and approved fall protection and equipment as approved by OSHA should always be used. No roof is immune to severe weather or is completely maintenance free. To keep your roof performing as it was designed; an inspection and comprehensive maintenance program should be implemented.

References

For other installation techniques and details, The Sheet Metal and Air Conditioning Contractors National Association Inc. (SMACNA) and NRCA manuals are great resources for working with sheet metal.

Technical Assistance

Contact your WSDI sales or technical representative for any additional information or assistance. To insure you have the latest information available, please inquire or visit our web sites at www.metaldeck.com or Rustedroofing.com
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