

WESTERN STATES METAL ROOFING

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T-8 PLANKWALL® RECLAIMED WOOD METAL SERIES

INSTALLATION GUIDE WITH TRIM, FLASHINGS AND DETAILS















Installation, Flashings & Shop Drawing Detail Guide

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Installation, Flashings & Shop Drawing Detail Guide

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

"T-8 PlankWall®" panels are used over all type of substrates like steel framing, open purlins, spaced sheathing, and wood surface such as plywood. Most details in this guide are shown with panels attached to open framing.

Note on Underlayment

Not all conditions require an underlayment, however, metal siding is susceptible to condensation and it is recommended that an appropriate 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.

Technical Assistance

Contact your WSMR sales or technical representative for any additional information or assistance.

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

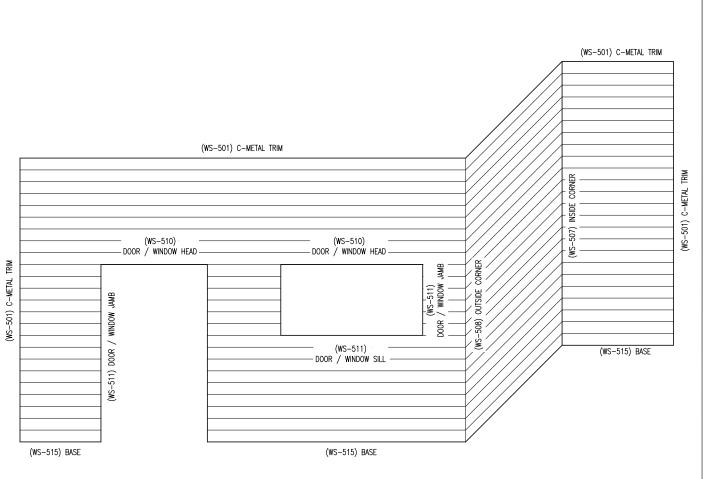
While waiting to be installed on the job site, storage of panels, trim crates, and flat sheet should be sloped in order to allow for proper moisture run off. One end should be elevated so as not to allow ponding of water on the metal surface. When using tarps for protection, proper ventilation should be provided to prevent condensation. Moisture or condensation that is trapped inside a bundle can lead to white rust on sheeting. WSMR assumes no responsibility of liability for damage to our products which occurs in the possession of the consignee or which we deem to be improper handling and storage. Protective plastic film on trim or panel should be removed within 90 days. Failure to follow these instructions may void the warranty.

References

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

Pattern

T-8 PlankWall® is a WSMR custom wall and soffit system. When installed using our 4-part pattern of Distressed Wood® colors, you will be able to get a unique look for each project. Every piece of T-8 PlankWall® will be marked with A, B, C, D color label. This will allow each customer to decide on how and where to install each pattern/piece to achieve your "unique" reclaimed look. WSMR will not be responsible for pattern design or install final look.



FLASHING TYPE	DETAIL NO.
STANDARD TRIM STANDARD TRIM SOFFIT END SPLICE WALL—SOFFIT END SPLICE SOFFIT END WALL ALTERNATE SOFFIT END WALL SOFFIT TO WALL DRIP HORIZONTAL SIDING END WALL VERTICAL SIDING END WALL PARAPET WALL SPLICE SILL BASE WINDOW/DOOR HEAD WINDOW/DOOR SILL INSIDE CORNER CUSTOM OUTSIDE CORNER CUSTOM INSIDE CORNER SOFFIT TO WALL DRIP PARAPET WALL SPLICE—SILL DETAIL BASE DETAIL WINDOW/DOOR JAMB WINDOW/DOOR JAMB WINDOW/DOOR SILL OUTSIDE CORNER INSIDE CORNER	WSD-ST5 WSD-ST6 WSD-S1 WSD-SW2 WSD-S3 WSD-SW4 WSD-SW5 WSD-W6 WSD-W7 WSD-W8 WSD-W10 WSD-W11 WSD-W12 WSD-W13 WSD-W15 WSD-W15 WSD-W16 WSD-W17 WSD-W18 WSD-W17 WSD-W18 WSD-W20 WSD-W20 WSD-W21 WSD-W20 WSD-W21 WSD-W22 WSD-W23 WSD-W24 WSD-W25 WSD-W26 WWSD-N27 WSD-CT28

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DETAIL:
KEY WALL PLAN

PANEL TYPE:

T-8 PlankWall ®

Α	02-02-19
REV:	DATE:
DETAIL #	

Installation, Flashings & Shop Drawing Detail Guide

Fastener Selection

Notes to Installers:

Fastener Selection will vary depending on type and thickness of substrate. Design calculations for fastener spacing should be completed by the design engineer. The use of butyl tape mastic, butyl sealants and curing sealants is always recommended to insure weather tight installation.

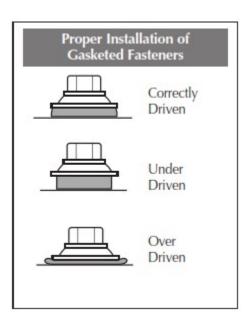
Panels and flashings should never be installed in contact with dissimilar metals.

Use only those flashings and accessories designed for use with this panel.

Screws must be long enough to fully penetrate through roof deck substrate or penetrate solid lumber at least one inch.

Exposed trim 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.



Installation, Flashings & Shop Drawing Detail Guide

Fastener Selection

Description Application

14 x 7/8" Lap Self tap Used for Trim to Trim

Attachment or Trim to Wall

Panels.

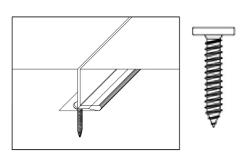


#10-12 x1" Pancake head

Wood

Used to Attach Panel

#10-12x1" SD PH Self Driller Steel



1/8" Stainless Rivets Used for Trim to Trim

Attachment or Trim to Wall

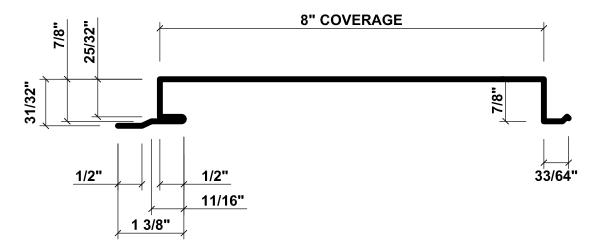
Panels.



The table above shows the panel fasteners provided by WSD. Special order screws are available.

WSMR will not be responsible for final screw selection. This guide is just a reference tool to be used. Please consult a design engineer for load and design calculations.

T-8 PLANKWALL®



GAUGE: COLOR: FINISH: LENGTH: MATERIAL:

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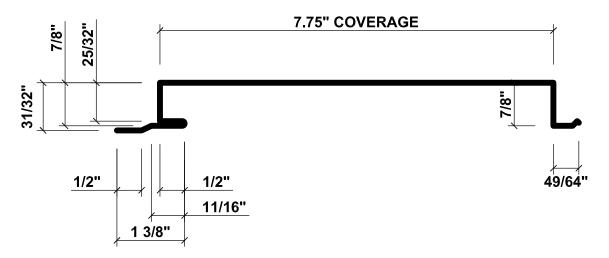
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PANEL PROFILE Α 02-02-19 REV: DATE: PANEL TYPE: DETAIL #:

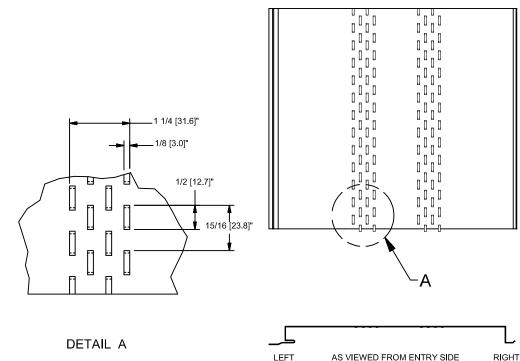
T-8 PLANKWALL ® - 7.75" REVEAL

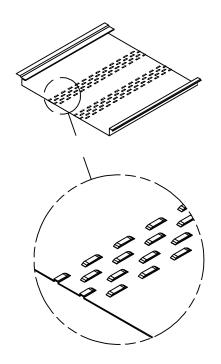


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NOTES: 1. MATERIAL USAGE APPROXIMATELY: 5" [127 mm]

- 2. WHEN USING PERFORATOR: MAXIMUM NET FREE AREA = 3.08 SQUARE INCHES PER 12 INCHES OF PERFORATION [1987 sq. mm / 304.8 mm]
- 3. MAXIMUM OF TWO PERFORATIONS
- PER PANEL.
 4. DUAL DIMENSIONS: Inch [mm]

OPENING SIZE .50 [12.7] X .12 [3.0] = .06 SQ. IN. [38.7 sq. mm] OPENINGS PER 12 INCH LENGTH [304.8 mm] = 51.25NET FREE AREA / 12 INCH = .06 SQ IN X 51.25 = 3.08 SQ IN. [net free area / 304.8 mm = 38.7 sq. mm X 51.25 = 1983 sq. mm]

Vactoria Ctatas Matal Dantina		
	MATERIAL:	
	LENGTH:	FINISH:
	GAUGE:	COLOR:

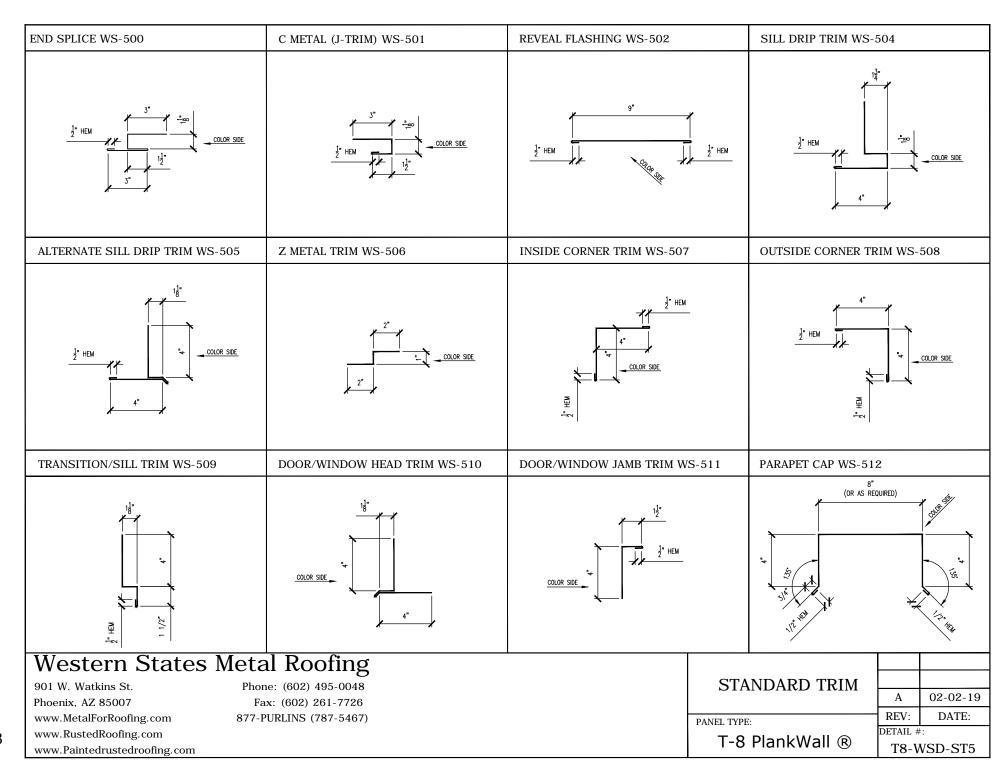
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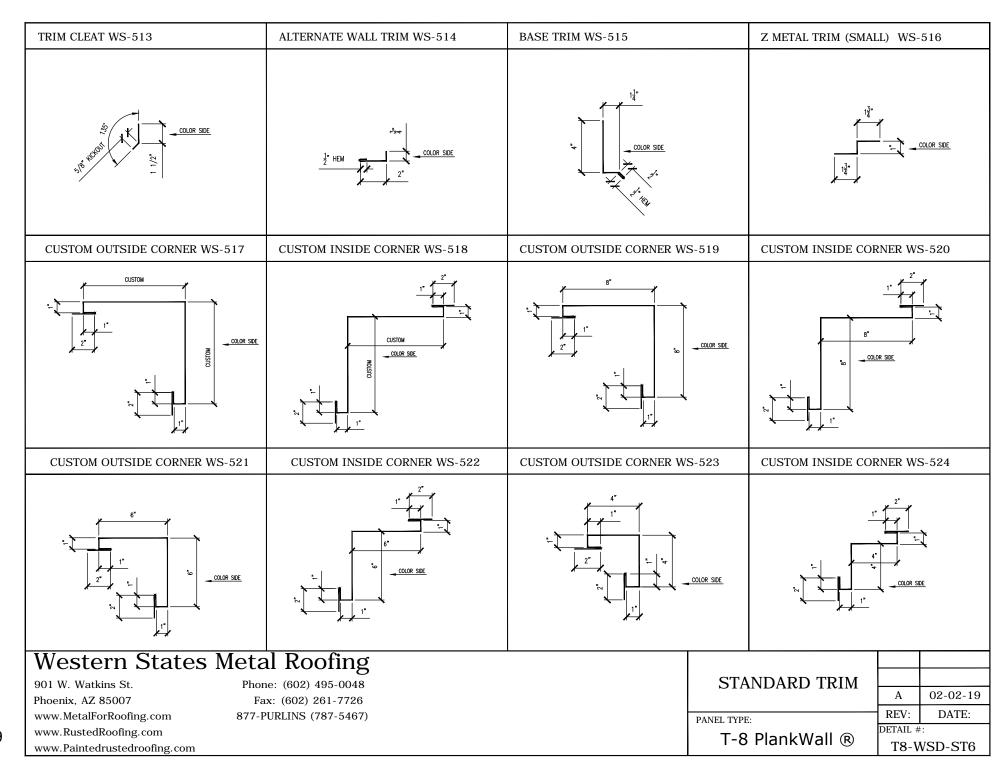
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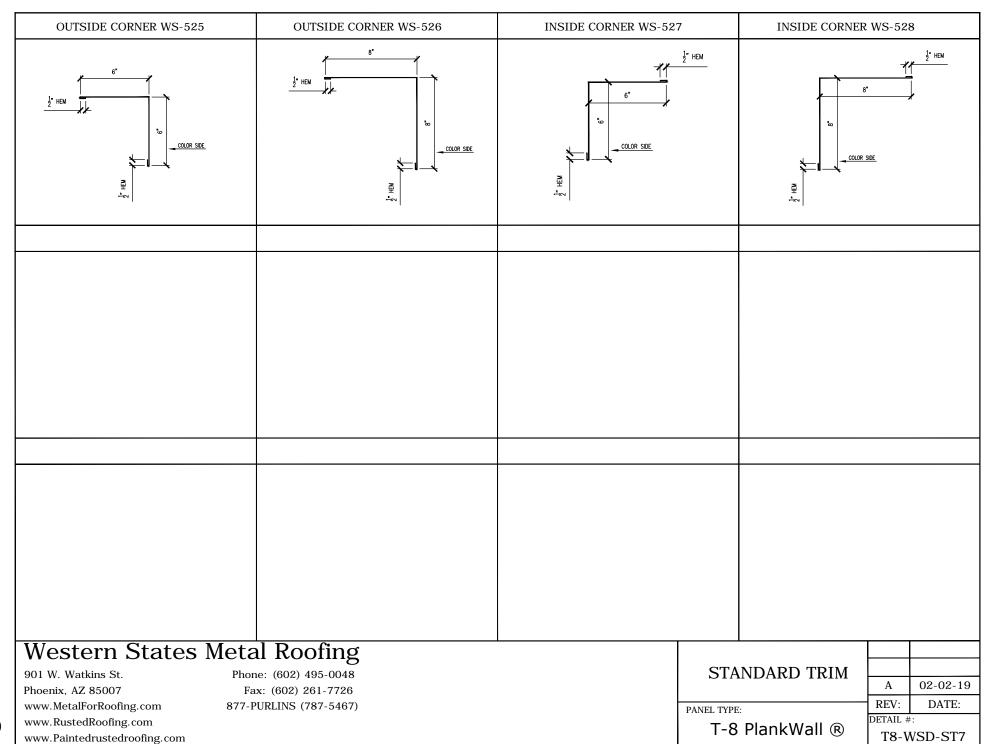
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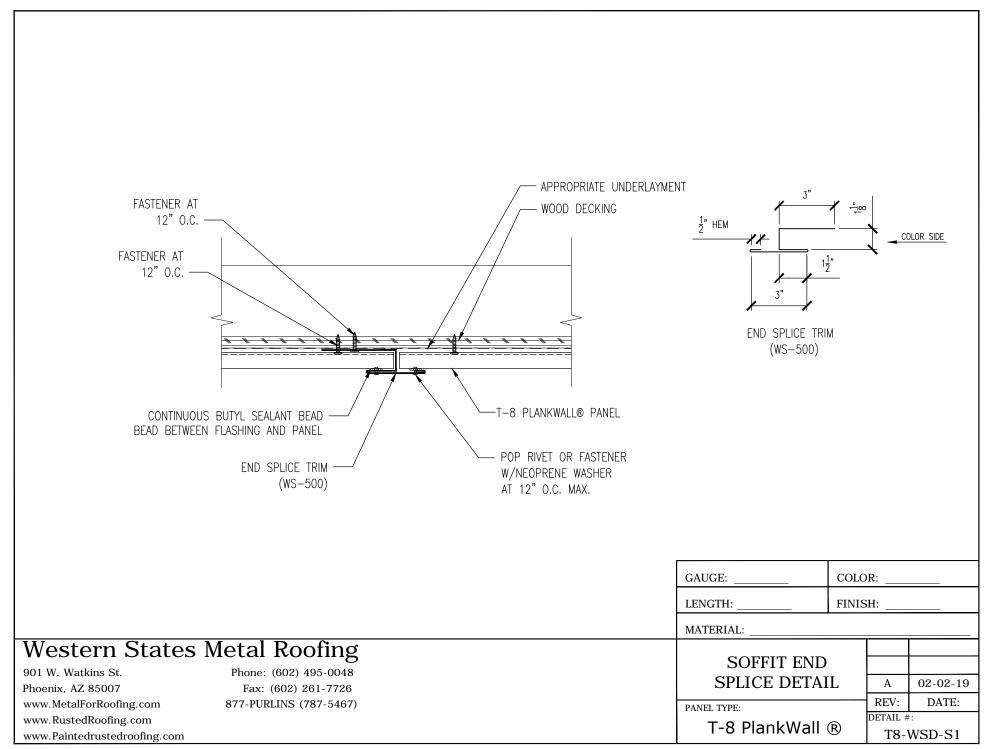
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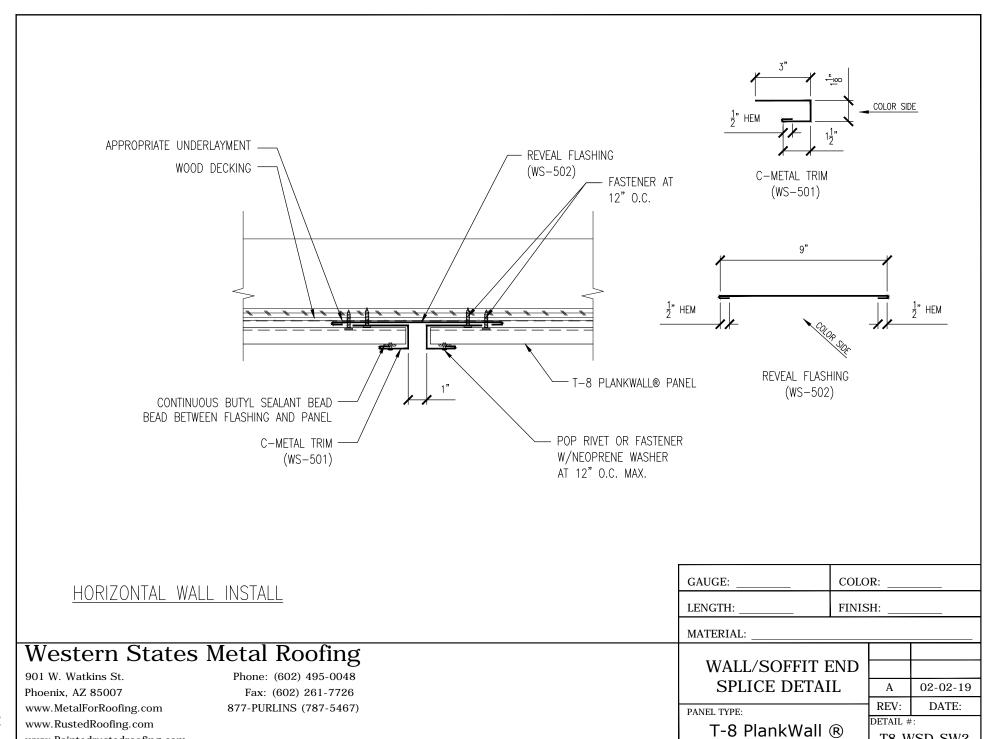
PERFORATED Α 02-02-19 REV: DATE: PANEL TYPE: DETAIL #: T-8 PlankWall ®





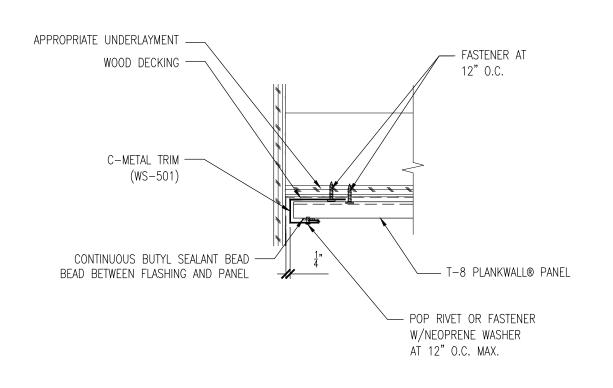


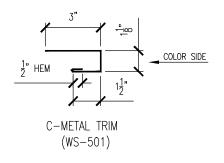




T8-WSD-SW2

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GAUGE:	COLOR:
LENGTH:	FINISH:

MATERIAL:

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www.RustedRoofing.com www.Paintedrustedroofing.com SOFFIT END WALL DETAIL

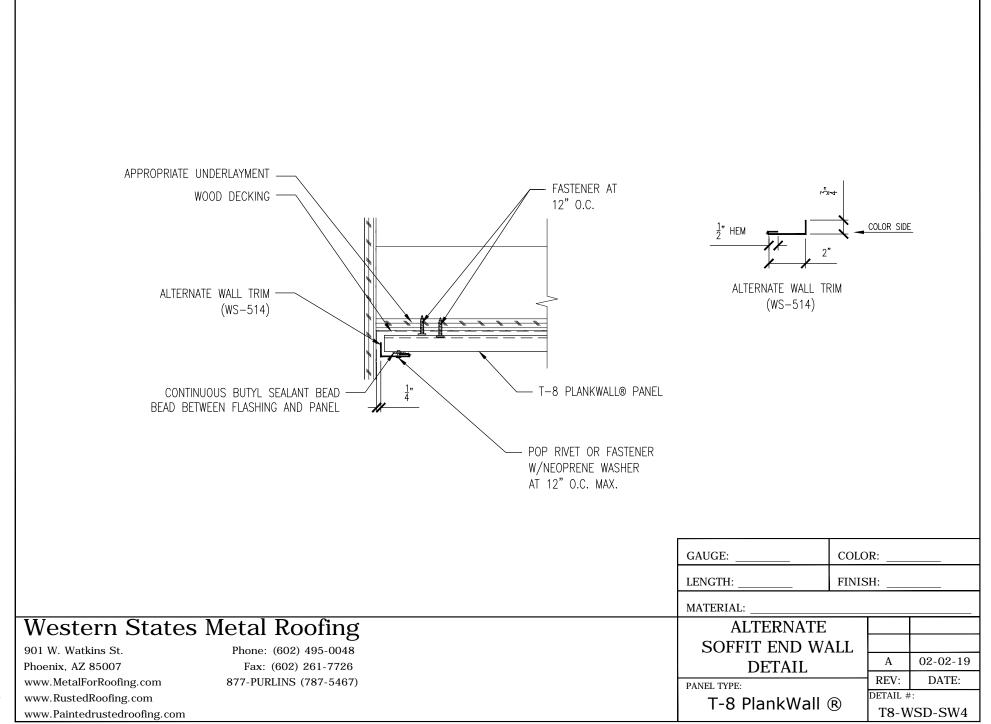
T-8 PlankWall ®

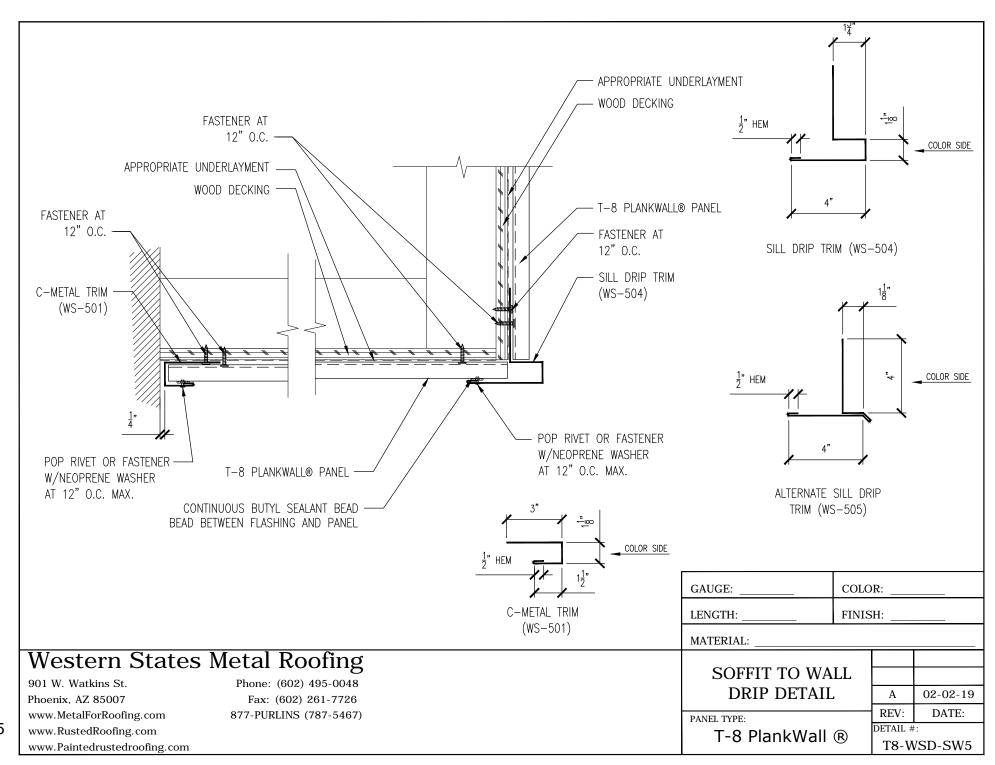
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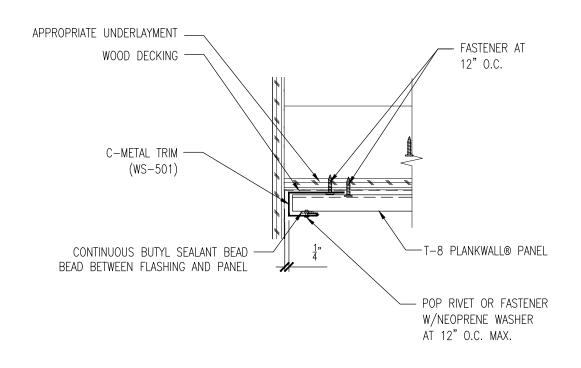
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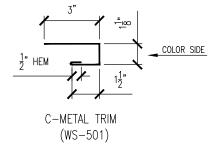
DETAIL #:

T8-WSD-S3









GAUGE:	COLOR:
LENGTH:	FINISH:

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HORIZONTAL	
SIDING END WALL	
DETAIL	
PANEL TYPE:	

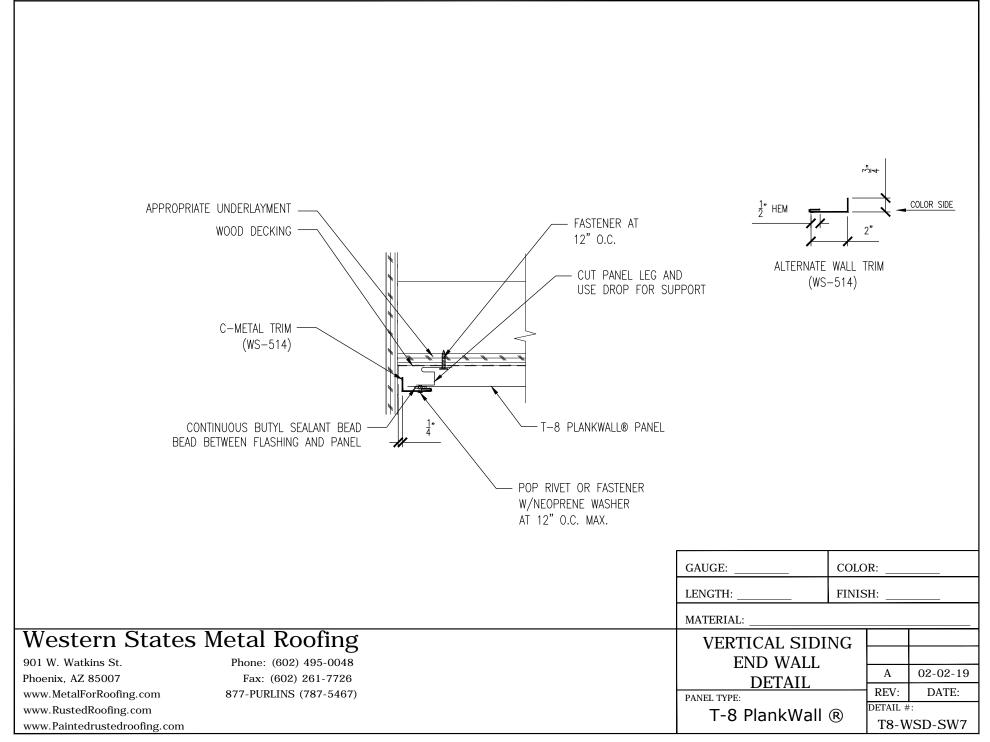
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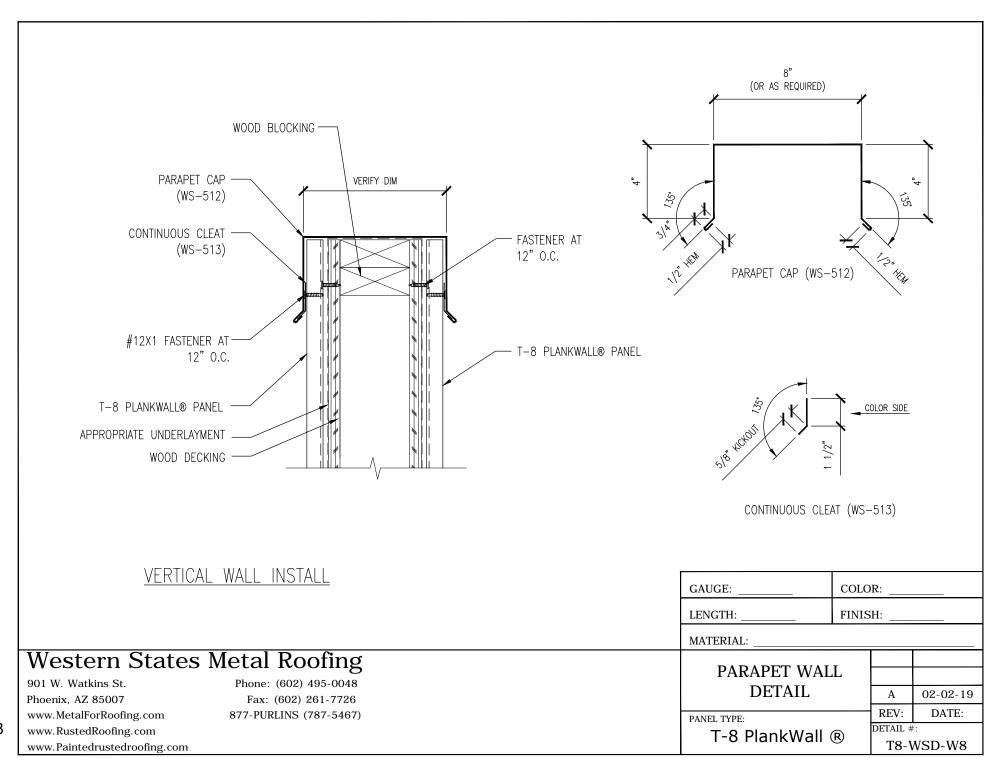
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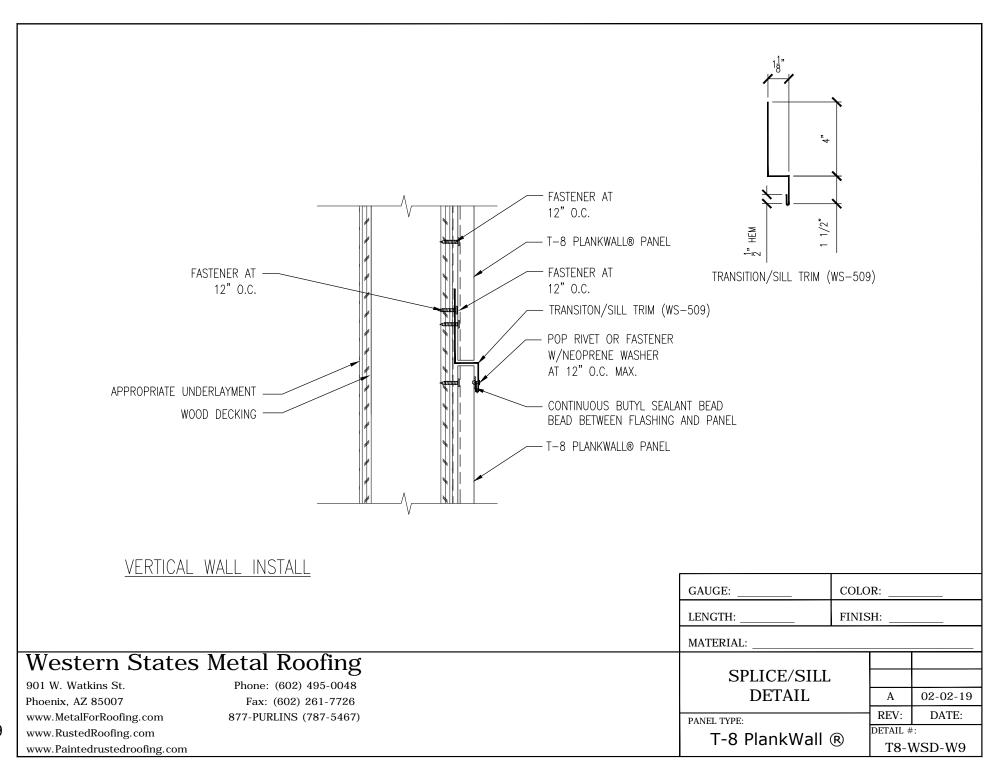
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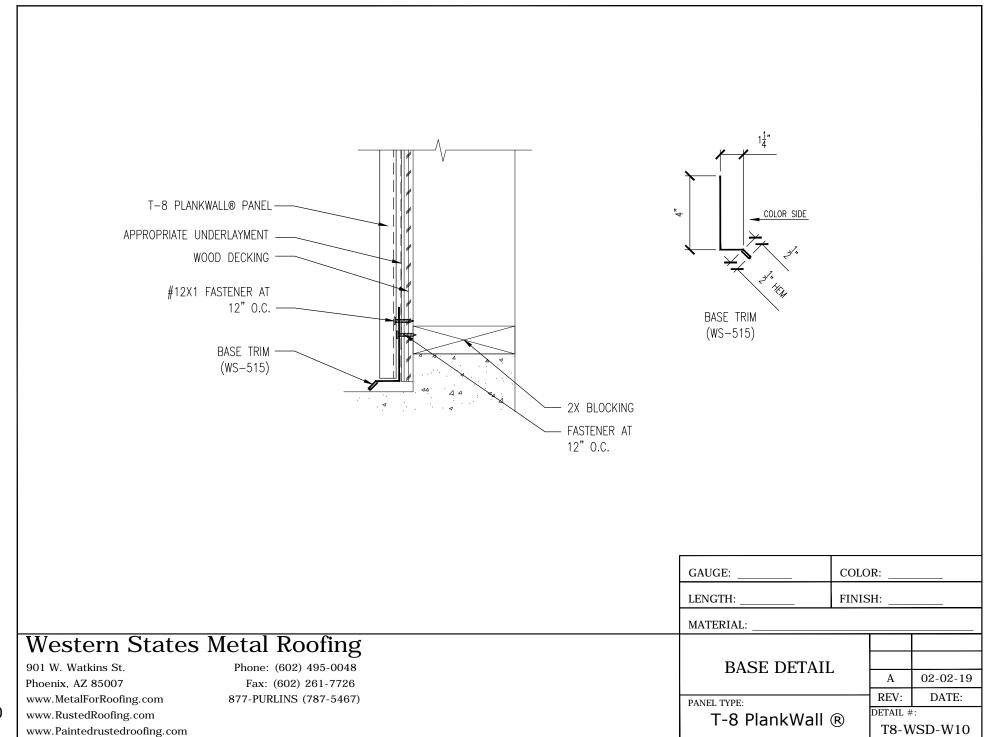
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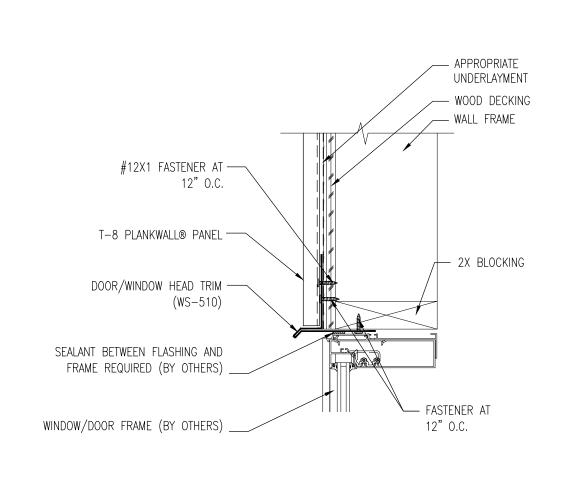
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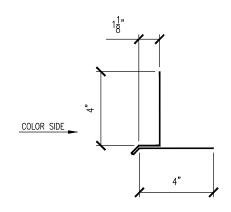












DOOR/WINDOW HEAD TRIM (WS-510)

VERTICAL WALL INSTALL

GAUGE: _____ COLOR: _____

LENGTH: ____ FINISH: ____

MATERIAL:

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www.RustedRoofing.com www.Paintedrustedroofing.com DOOR/WINDOW HEAD DETAIL

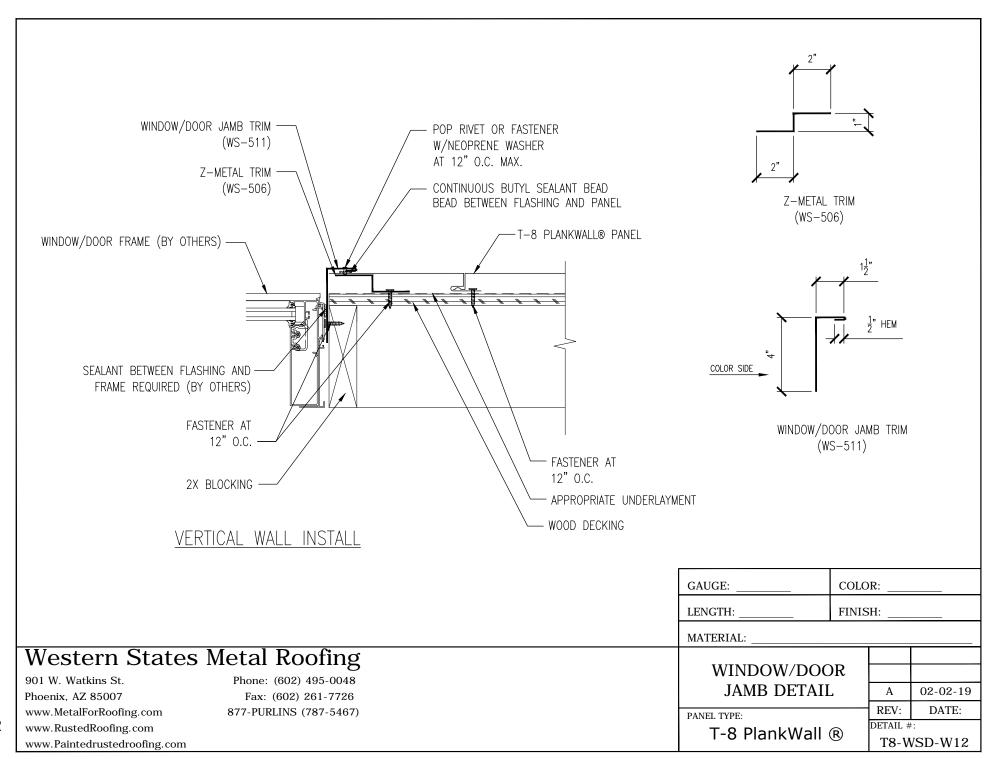
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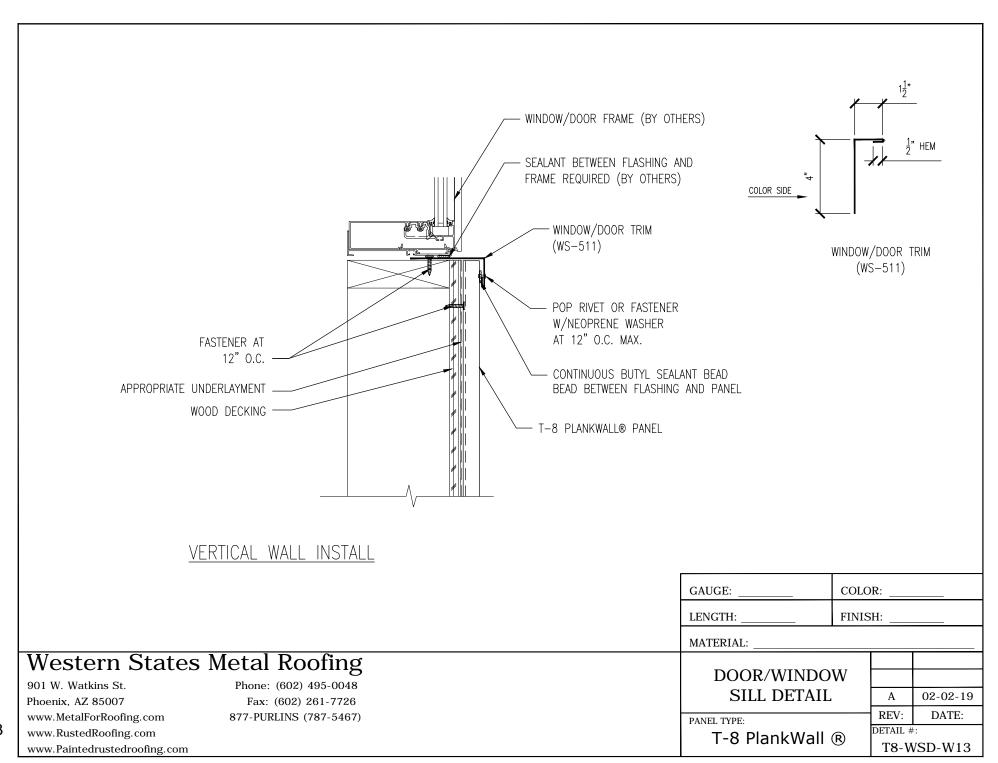
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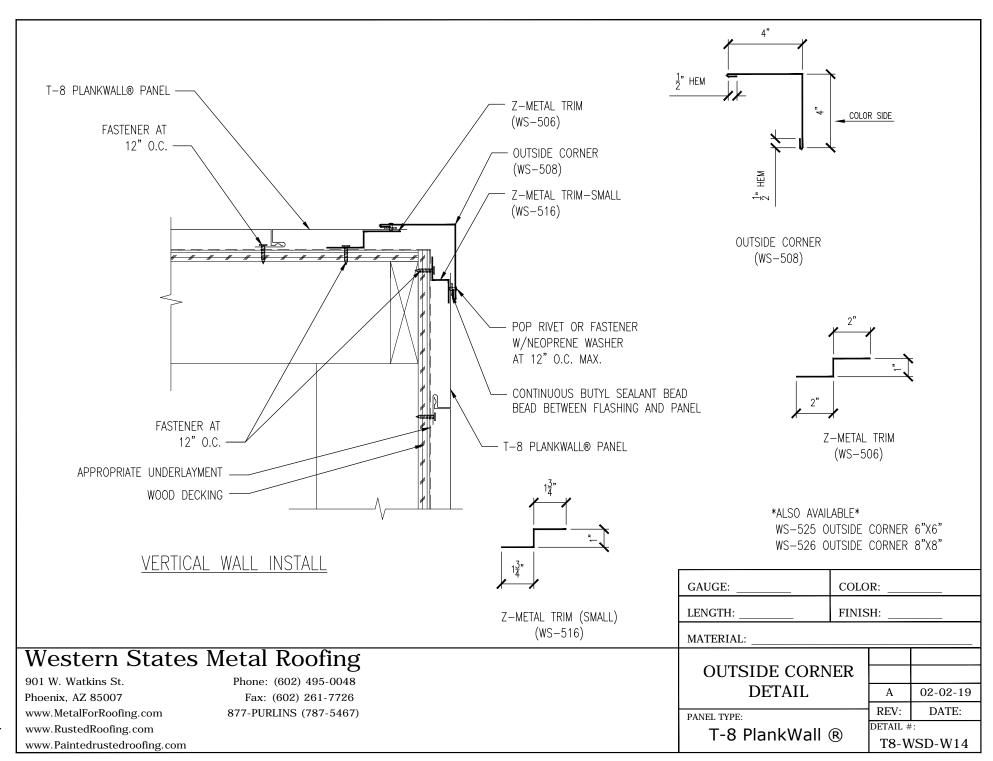
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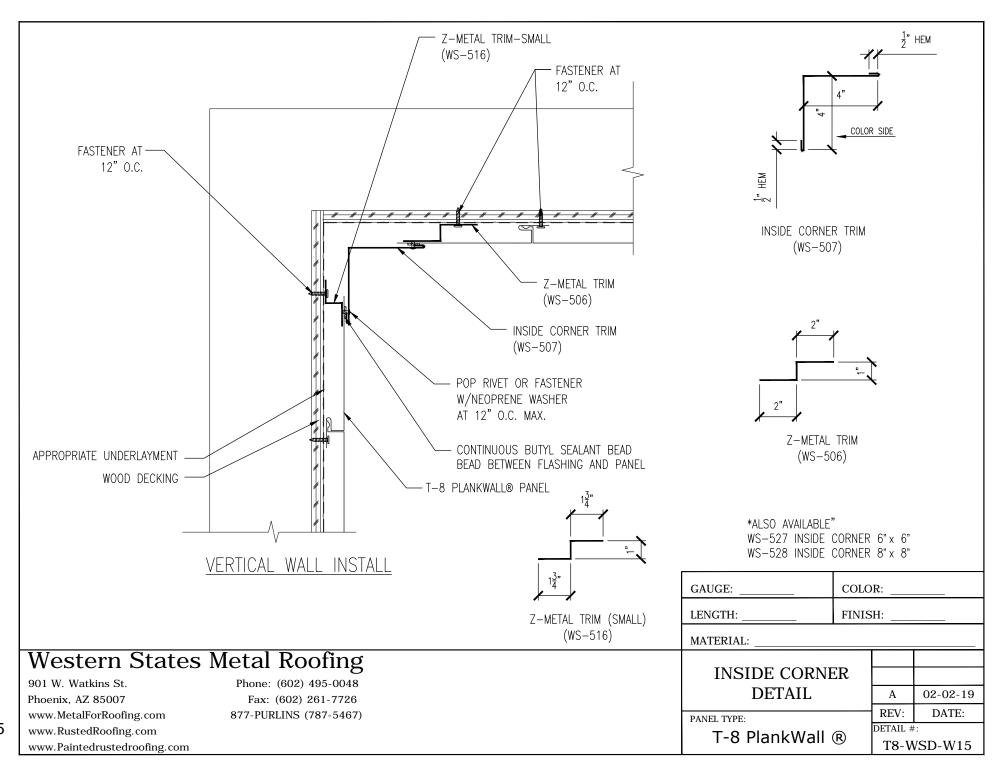
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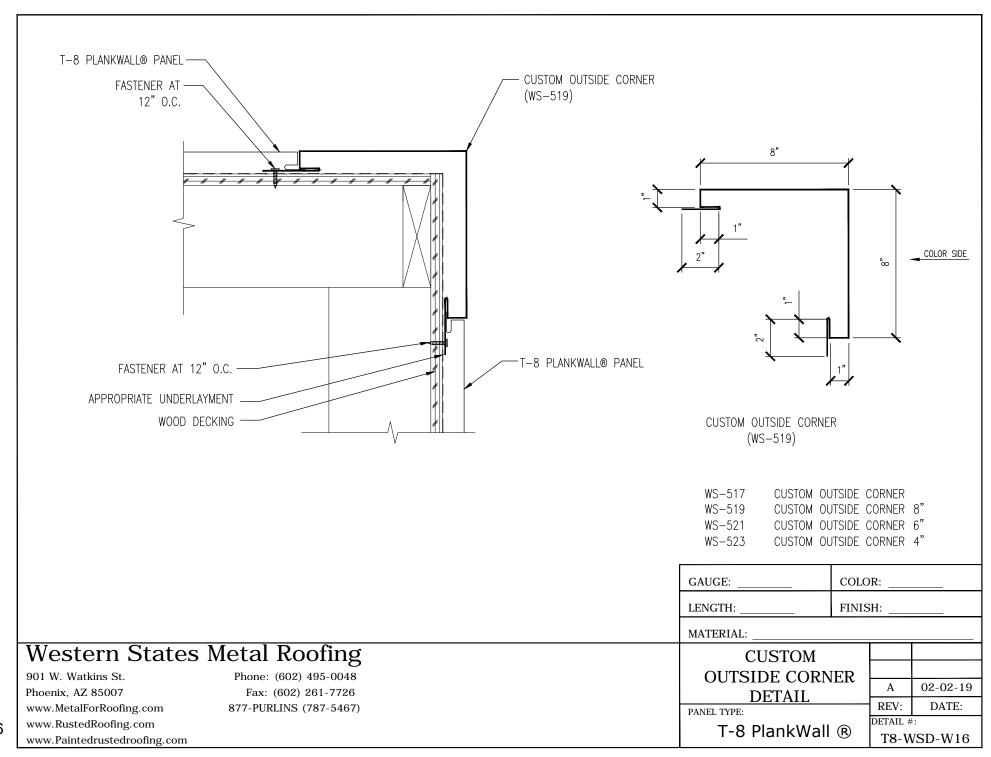
T8-WSD-W11

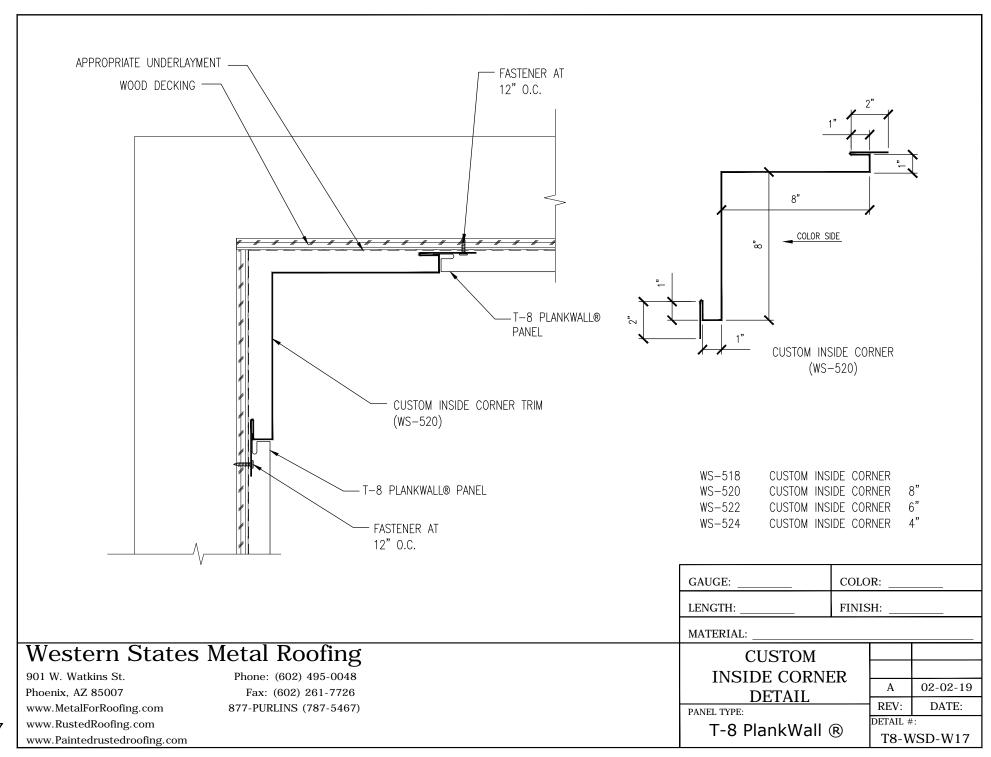


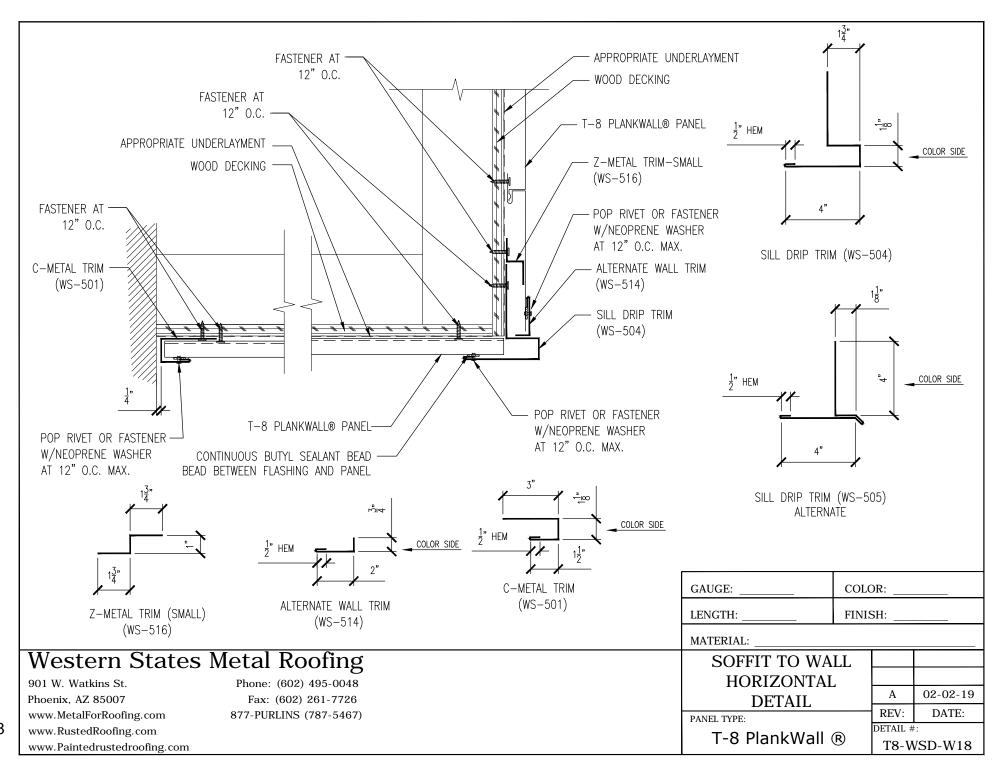


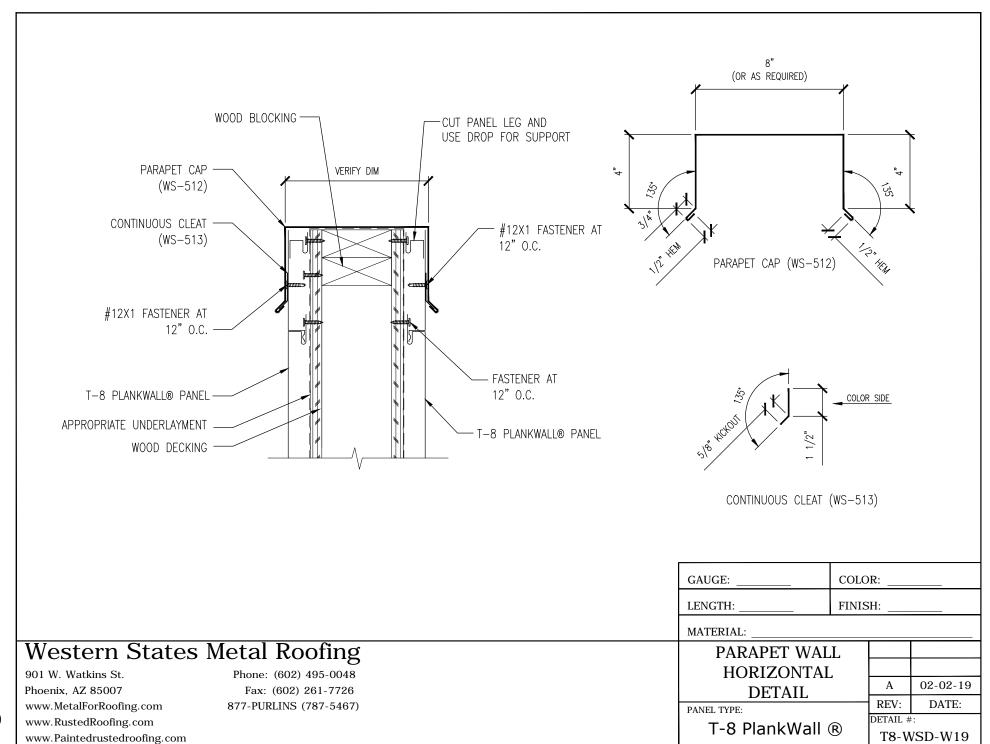


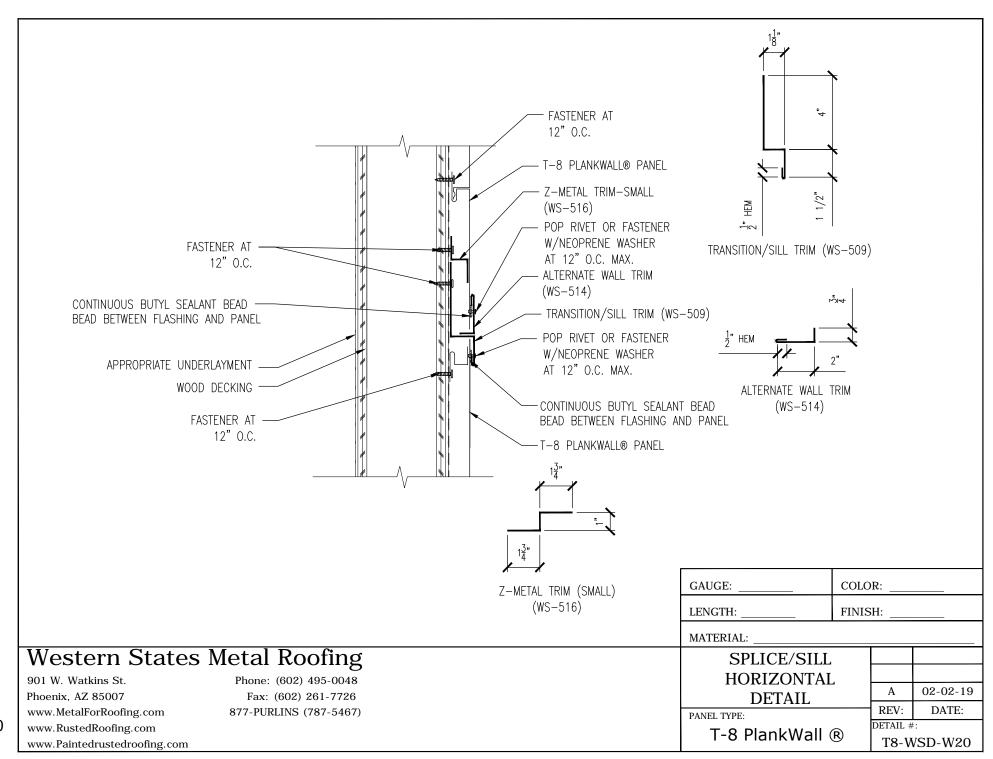


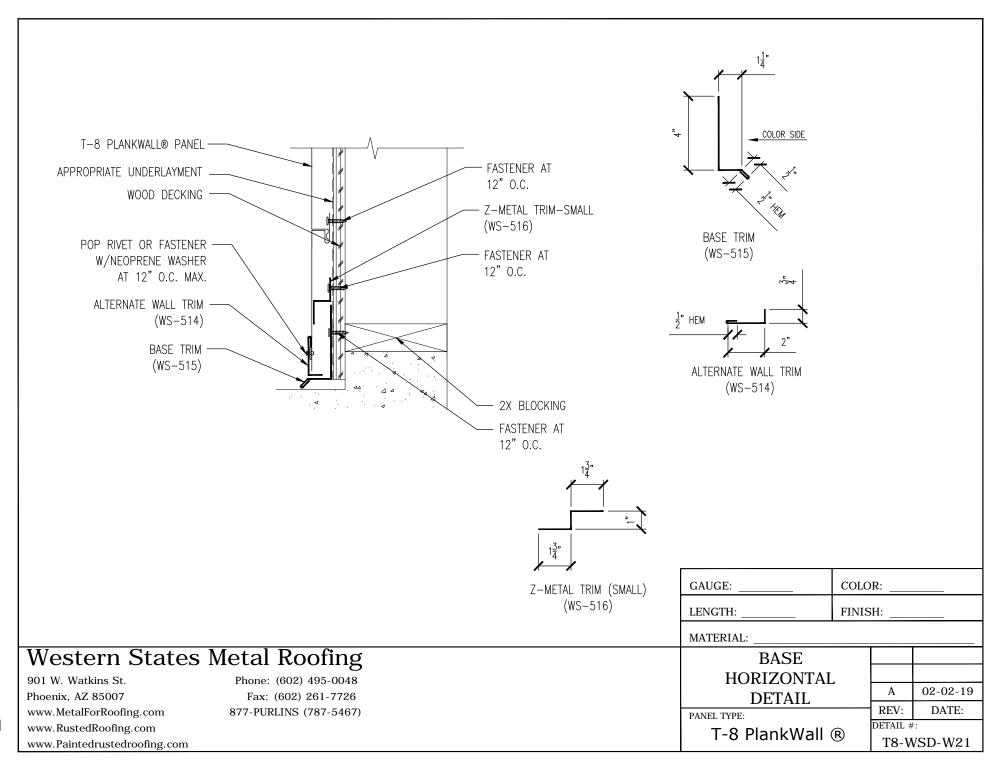


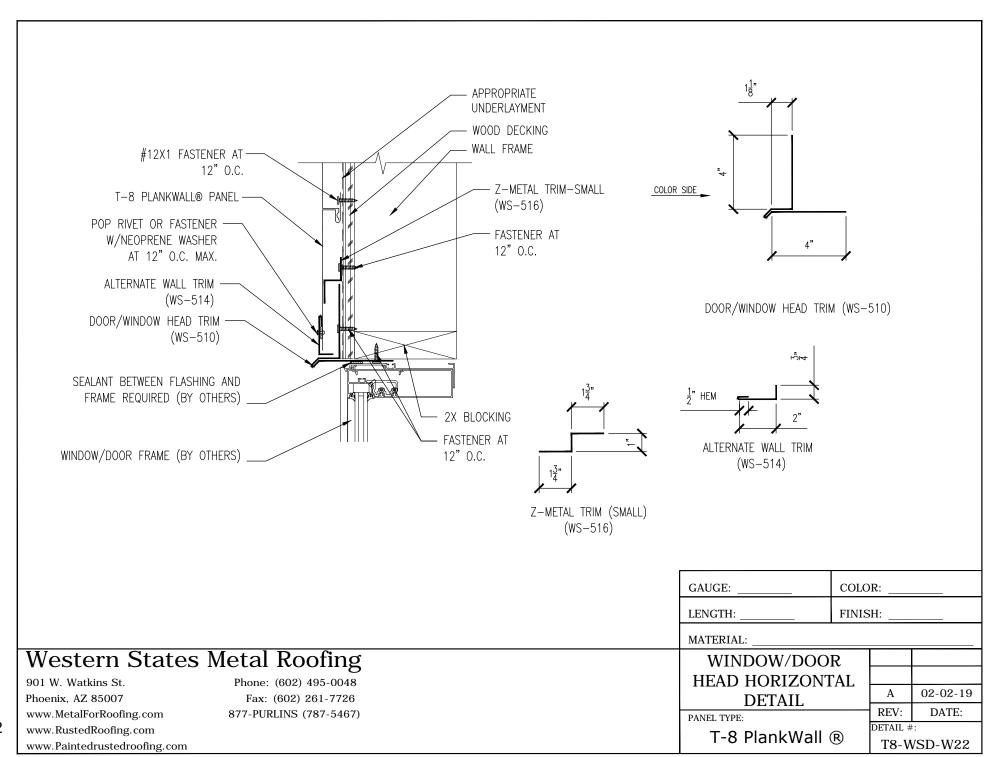


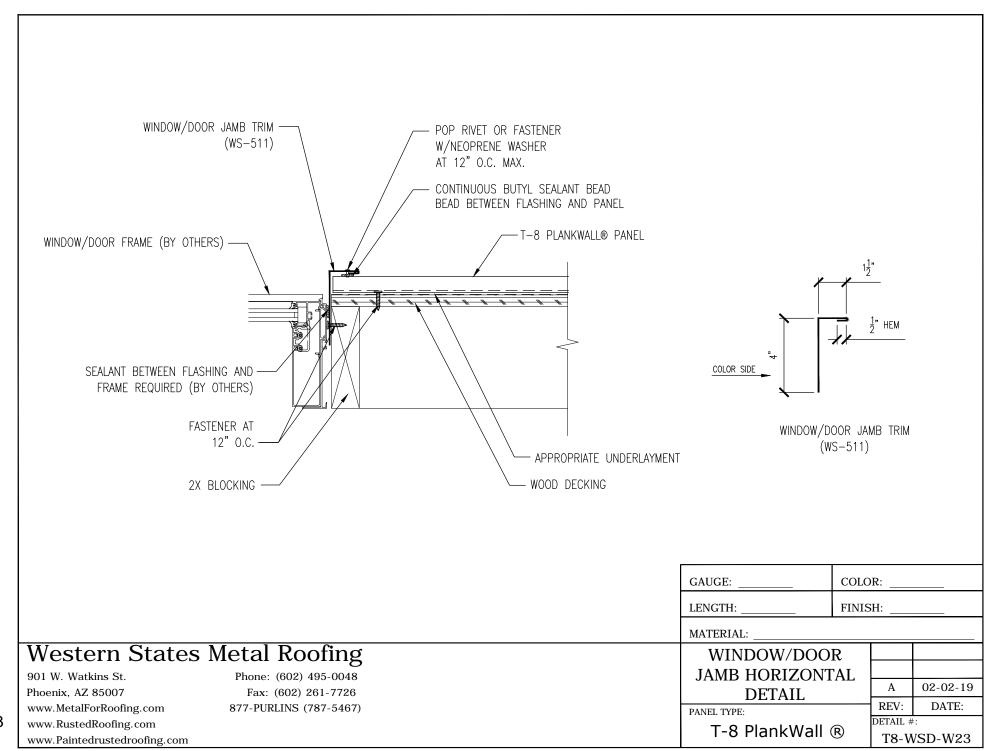


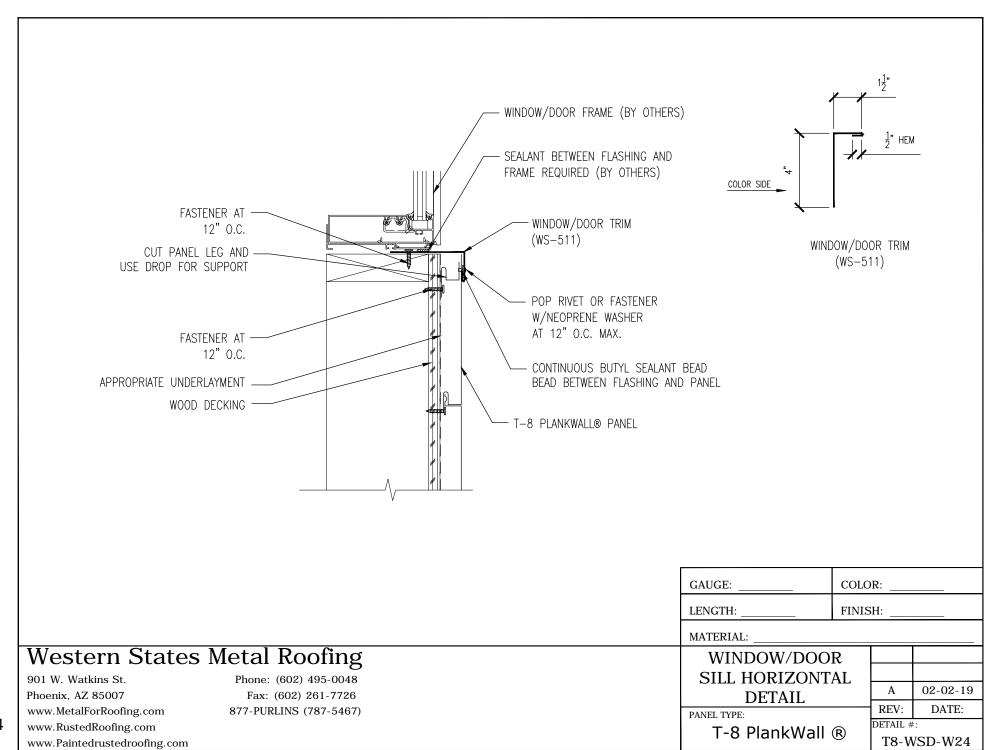


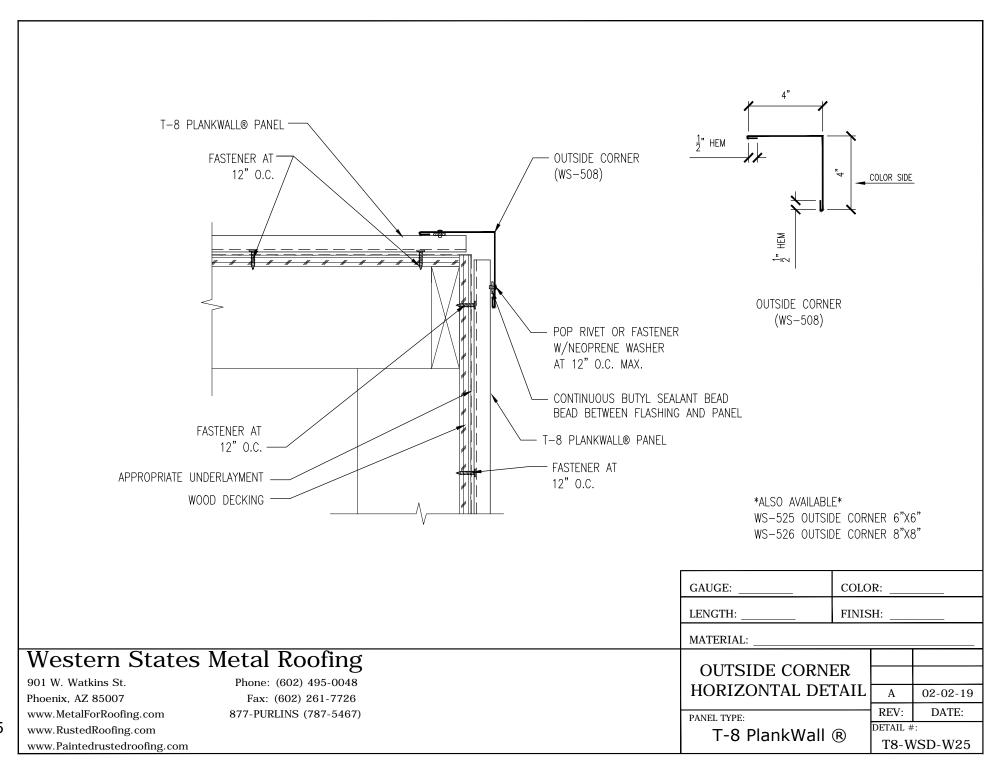


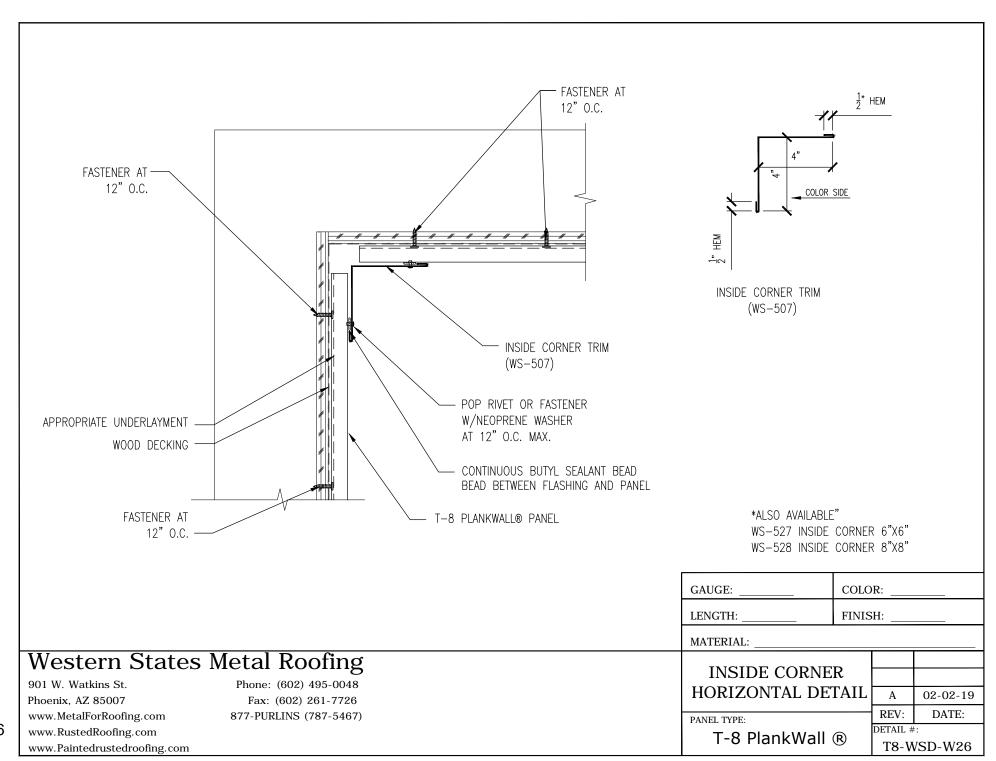












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CUSTOM TRIM GAUGE: COLOR: BREAKS: FINISH: STRETCH OUT: LENGTH: MATERIAL: Western States Metal Roofing CUSTOM TRIM NAME: 901 W. Watkins St. Phone: (602) 495-0048 02-02-19 Phoenix, AZ 85007 Fax: (602) 261-7726 REV: DATE: www.MetalForRoofing.com 877-PURLINS (787-5467) PANEL TYPE: DETAIL #: www.RustedRoofing.com T-8 PlankWall ® T8-WSD-CT28 www. Painted rusted roofing. com

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Special Design Considerations

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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 WSMR accepts that other installation details may be needed and other details may exist. WSMR 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. WSMR 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. Please visit WSMR website at

www.Metalforroofing.com for most current and up to date install guides.

Underlayment

There are many types of underlayments on the market today that are 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.

Snow Design

Design and dimensions must be the proper width to accommodate high snow, rain, ice, and slope conditions. If possible, splices, penetrations, 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 T-8 PlankWall® panels are 8". However depending on the finish selected and the required coil feed, other sizes may be available. Please consult with your WSMR representative for details and fastening recommendations.

Safety and Maintenance

Extreme care should always be used when working with metals. Safety should always be a top priority and approved fall protection and equipment as approved by OSHA should always be used. No structure is immune to severe weather, or is completely maintenance free. To keep your siding 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 WSMR 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.Paintedrustedroofing.com



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