



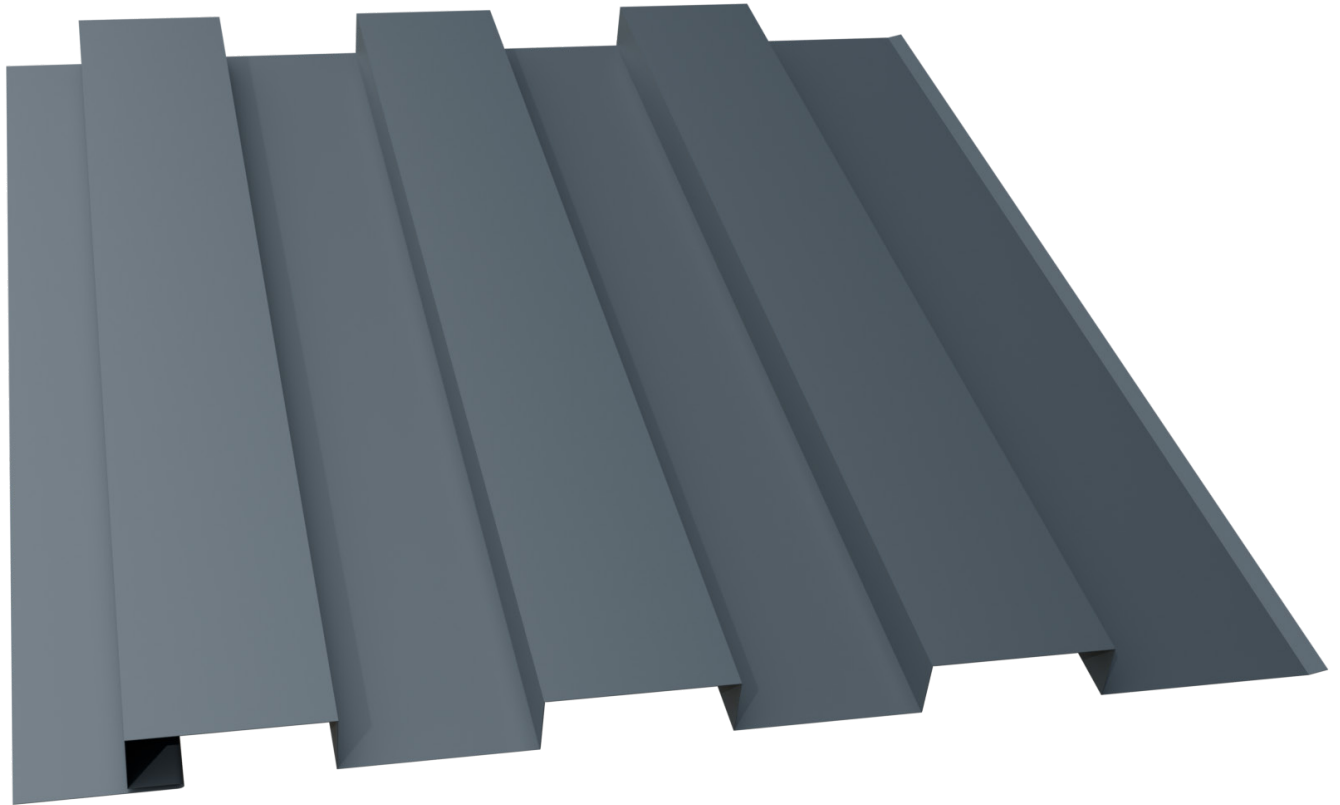
Finishes You've Never Seen Before®

WESTERN STATES METAL ROOFING

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WES-TRIX® PANEL

INSTALLATION GUIDE WITH TRIM, FLASHINGS AND DETAILS



Phoenix: ☎ (602) 495-0048 ✉ sales@westernstatesmetalroofing.com

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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

WES-TRIX ® panels are used over all type of substrates like Steel Framing, girts, spaced sheathing, and wood surface such as plywood. Most details in this guide are shown with panels attached to Solid Wood Decking.

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 WSDI 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.

References

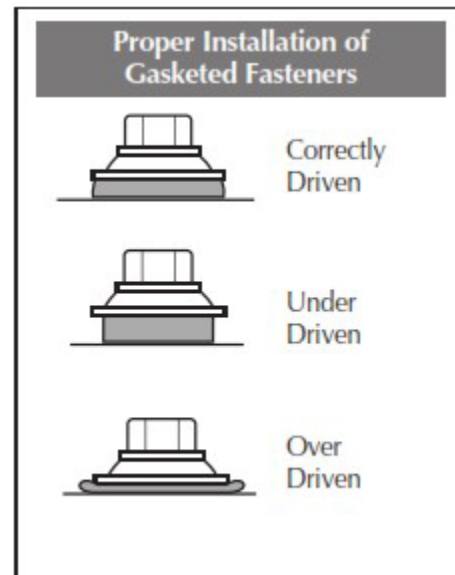
For other installation techniques and details, The Sheet Metal and Air Conditioning Contractors National Association Inc. (SMACNA) and NRCA manuals are great resource for working with sheet metal.

Fastener Selection

Notes to Installers:

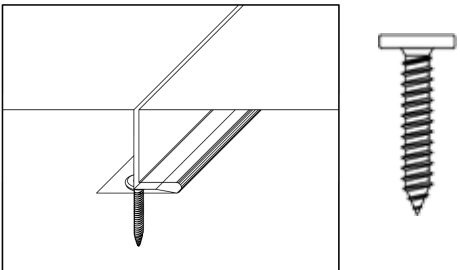
Fastener Selection will vary depending on type and thickness of substrate.
Design Calculations for fastener spacing should be completed by the design engineer.
The use of Butyl tape mastic, Butyl sealants and Curing Sealants is always recommended to insure weather tight installation.
Panels and flashings should never be installed in contact with dissimilar metals.
Use only those flashings and accessories designed for use with this panel.
Attachment 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.

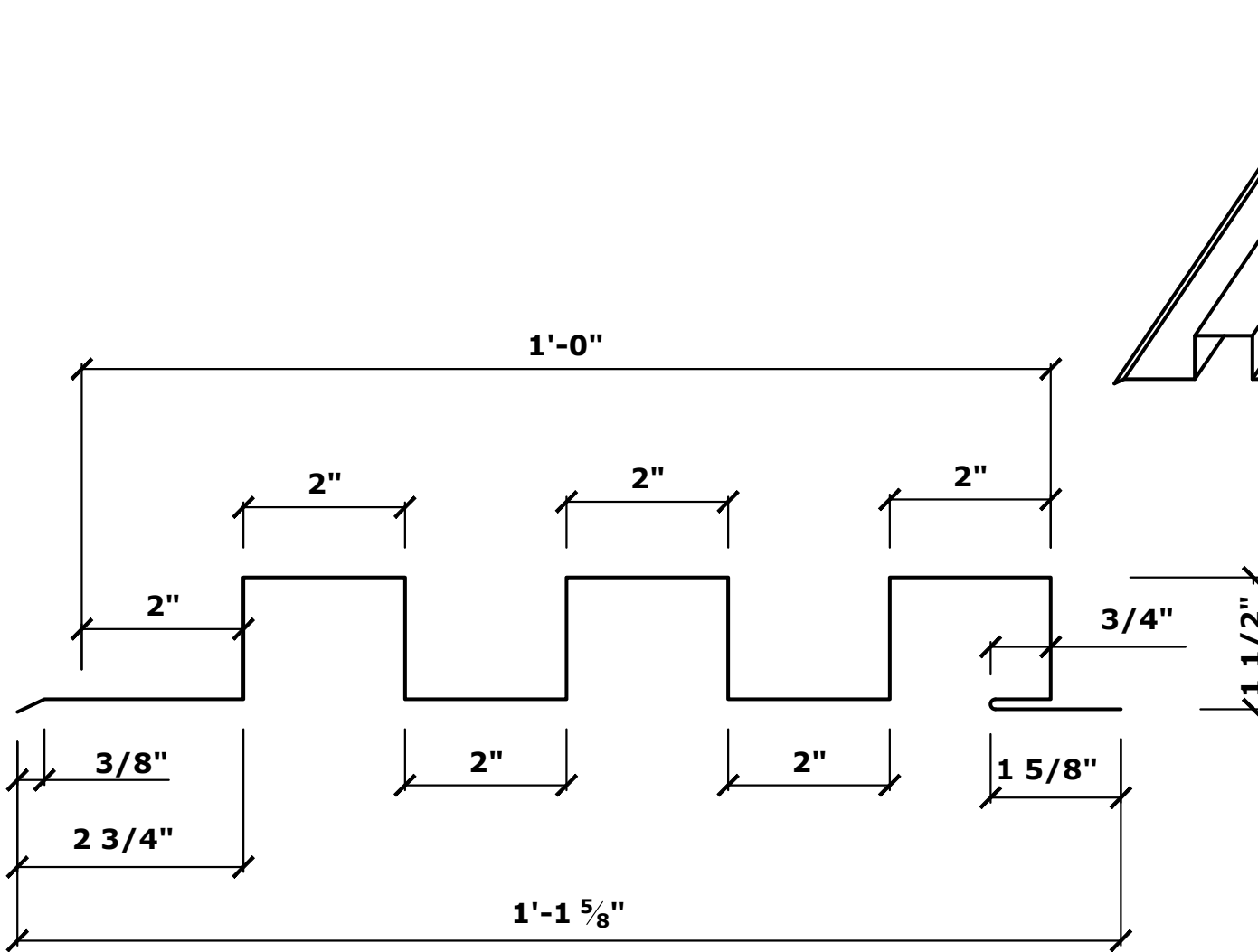


Western States Metal Siding WES-TRIX®
Installation, Flashings & Shop Drawing Detail Guide

Fastener Selection

Description	Application	
14 x 7/8" Lap Self tap 14 x 7/8 Lap Stainless	Used to attach Trims . Stainless to be used with A606-4 Steel	
#10-12 x1" Pancake head Wood #10-12 x 1" SD PH Self Driller Steel	Used to attach Panel. Used to secure trims to substrates. Also available in Stainless Steel.	
1/8" Stainless Rivets	Used for Trim to Trim attachment or trim to wall panels.	

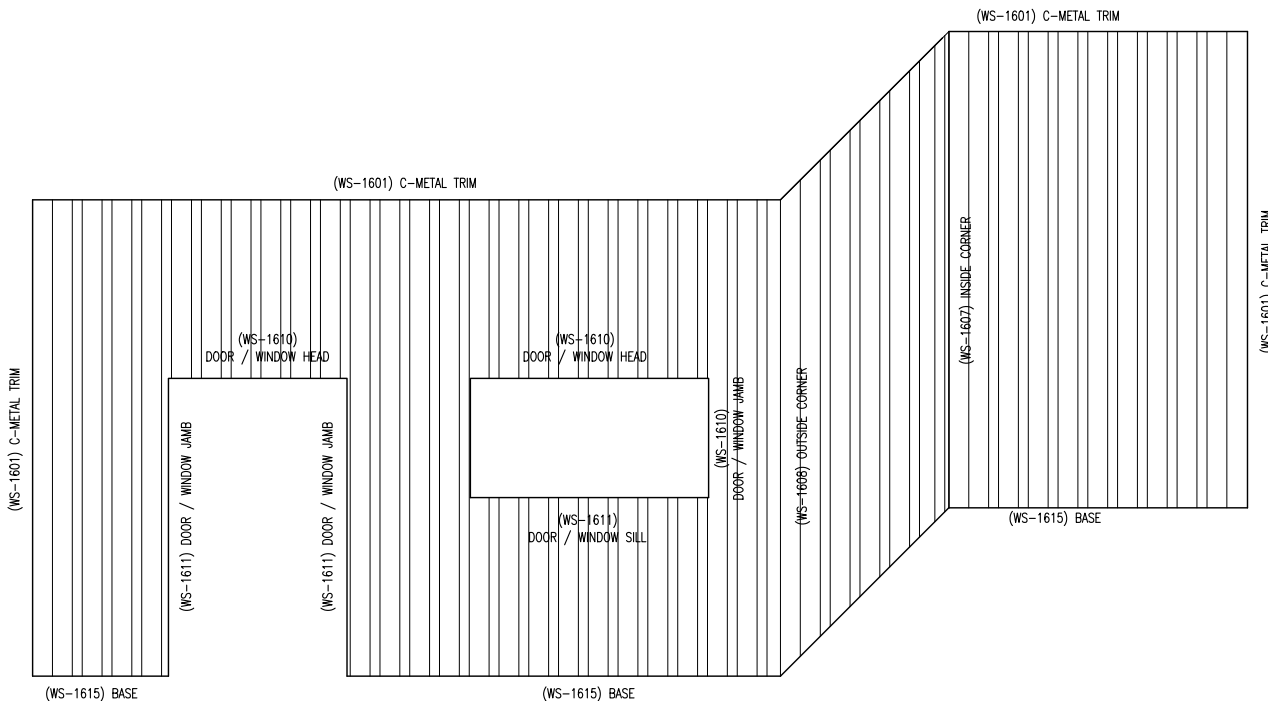
The table above shows the panel Fasteners provided by WSD. Special order screws are available.



WES-TRIX ® PANEL

Western States Metal Roofing 901 W. Watkins St. Phoenix, AZ 85007	SCALE:	TITLE / PART NAME:		
	DRAWN:	WES-TRIX ®		
	DATE: 2/28/2026	PRODUCT / PRODUCT LINE		
	CHECKED:	WES-TRIX ®		
	DATE:	PART I.D.	REVISION	SHEET

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FLASHING TYPE	DETAIL NO.
STANDARD TRIM	WSD-ST1
STANDARD TRIM	WSD-ST2
SOFFIT END SPLICE	WSD-S1
WALL-SOFFIT END SPLICE	WSD-SW2
SOFFIT END WALL	WSD-S3
ALTERNATE SOFFIT END WALL	WSD-SW4
SOFFIT TO WALL DRIP	WSD-SW5
HORIZONTAL SIDING END WALL	WSD-W6
VERTICAL SIDING END WALL	WSD-W7
PARAPET WALL	WSD-W8
SPLICE SILL	WSD-W9
BASE	WSD-W10
SILL AND HEAD	WSD-W11
WINDOW/DOOR JAMB	WSD-W12
WINDOW/DOOR SILL DETAIL	WSD-W13
OUTSIDE CORNER	WSD-W14
INSIDE CORNER	WSD-W15
CUSTOM OUTSIDE CORNER	WSD-W16
CUSTOM INSIDE CORNER	WSD-W17
SOFFIT TO WALL DRIP	WSD-W18
PARAPET WALL	WSD-W19
SPLICE-SILL DETAIL	WSD-W20
BASE DETAIL	WSD-W21
SILL-HEAD DETAIL	WSD-W22
JAMB DETAIL	WSD-W23
SILL DETAIL	WSD-W24
OUTSIDE CORNER	WSD-W25
INSIDE CORNER	WSD-W26
NOTES	WWSD-N27
CUSTOM TRIM SHEET	WSD-CT28



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DETAIL:

KEY ROOF PLAN

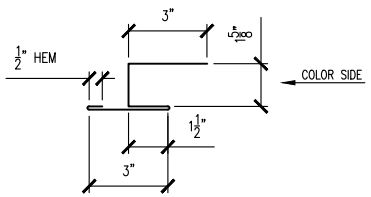
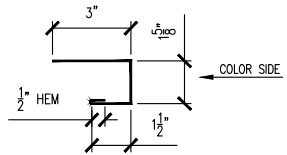
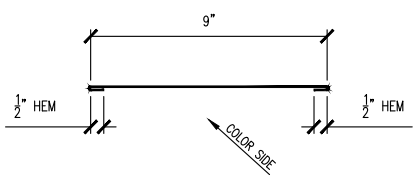
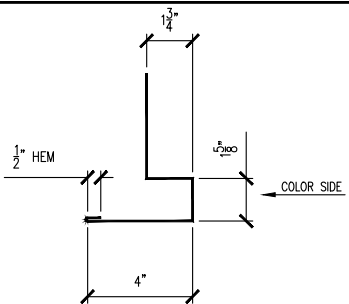
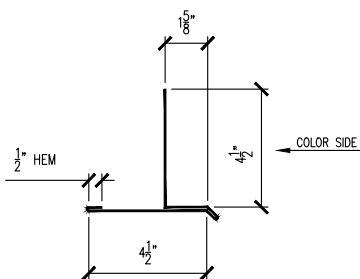
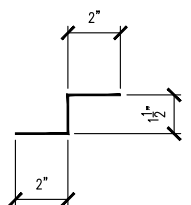
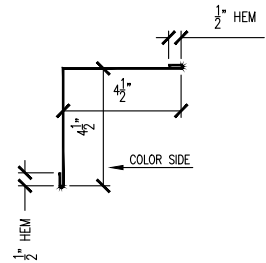
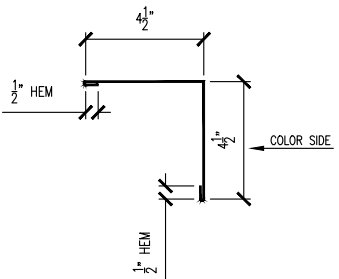
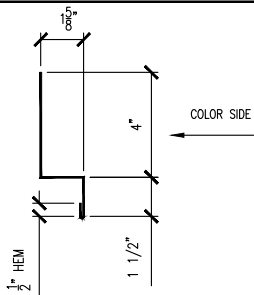
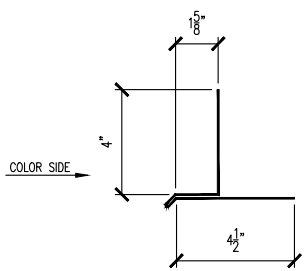
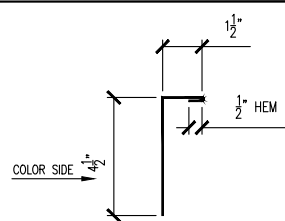
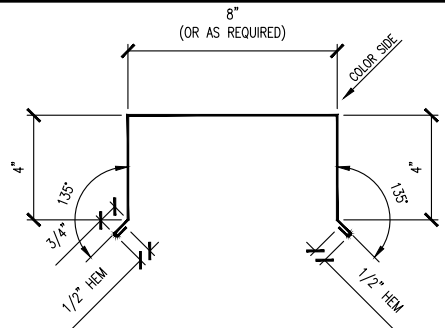
PANEL TYPE:

WES-TRIX ®

A 01-23-26

REV: DATE:

DETAIL #:

END SPLICE WS-1600 	C METAL (J-TRIM) WS-1601 	REVEAL FLASHING WS-1602 	SILL DRIP TRIM WS-1604 
ALTERNATE SILL DRIP TRIM WS-1605 	Z METAL TRIM WS-1606 	INSIDE CORNER TRIM WS-1607 	OUTSIDE CORNER TRIM WS-1608 
TRANSITION/SILL TRIM WS-1609 	DOOR/WINDOW HEAD TRIM WS-1610 	DOOR/WINDOW JAMB TRIM WS-1611 	PARAPET CAP WS-1612 



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STANDARD TRIM

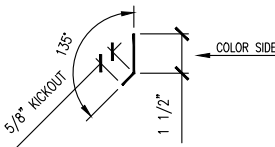
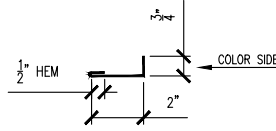
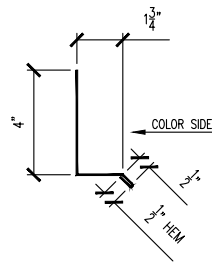
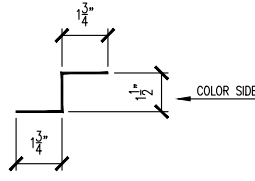
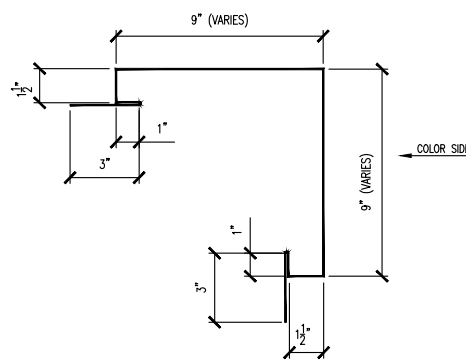
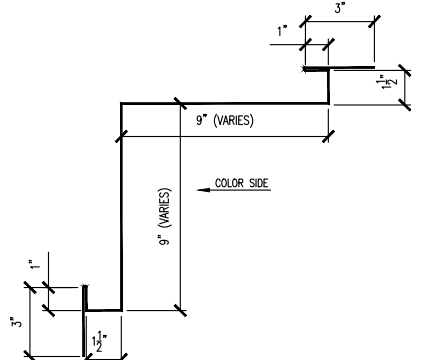
PANEL TYPE:

WES-TRIX ®

A 01-23-26

REV: DATE:

DETAIL #:
WR-WSD-ST1

TRIM CLEAT WS-1613	ALTERNATE WALL TRIM WS-1614	BASE TRIM WS-1615	Z METAL TRIM (SMALL) WS-1616
			
CUSTOM OUTSIDE CORNER WS-1617	CUSTOM INSIDE CORNER WS-1618		
			



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STANDARD TRIM

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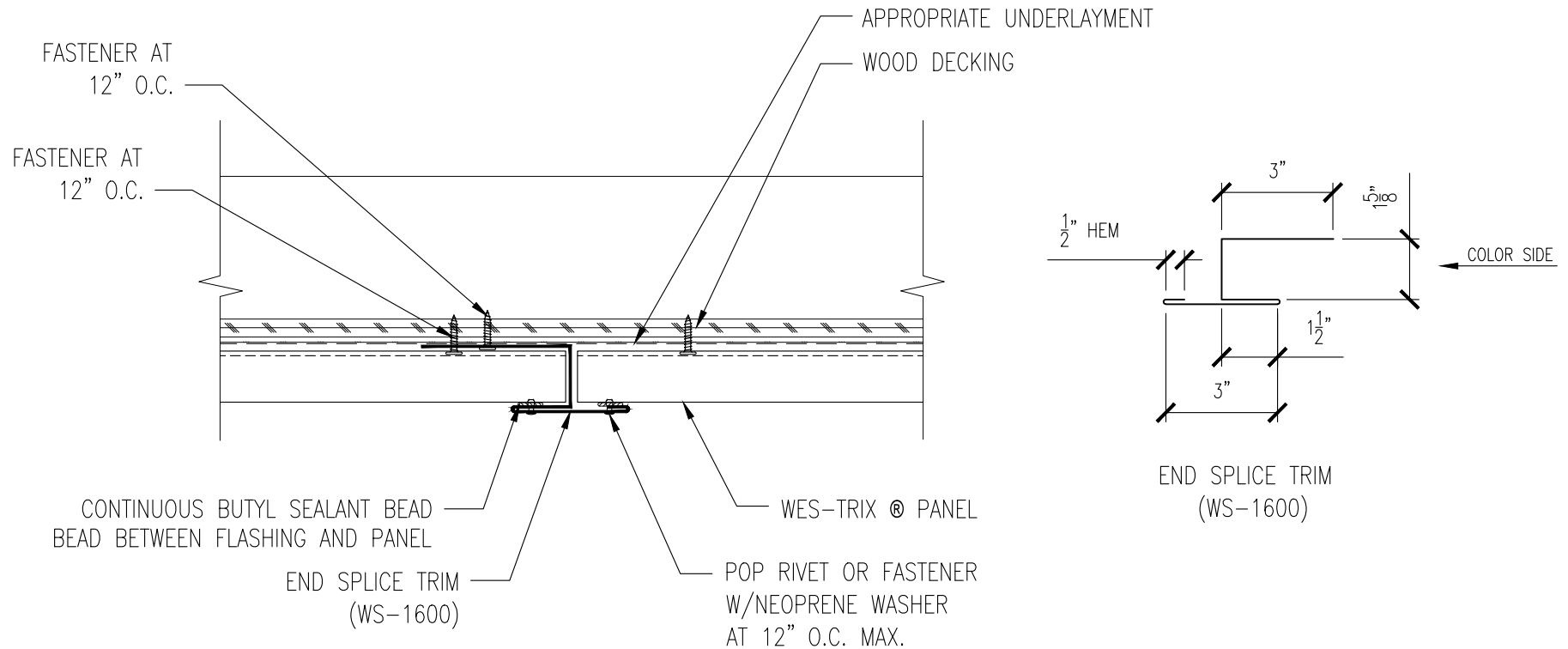
WES-TRIX ®

A 01-23-26

REV: DATE:

DETAIL #:
WR-WSD-ST2

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Ultra SA for Underlayment.**



GAUGE: _____	COLOR: _____
LENGTH: _____	FINISH: _____
MATERIAL: _____	



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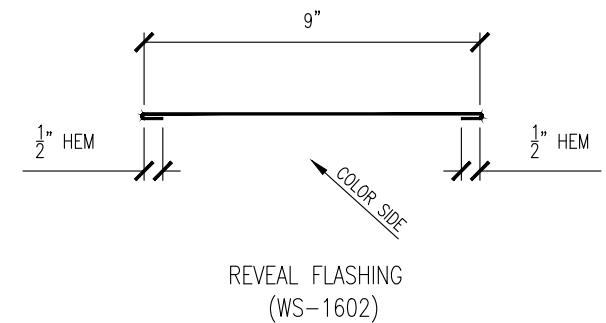
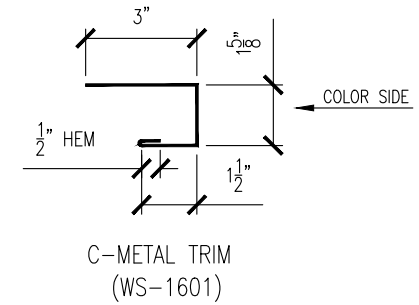
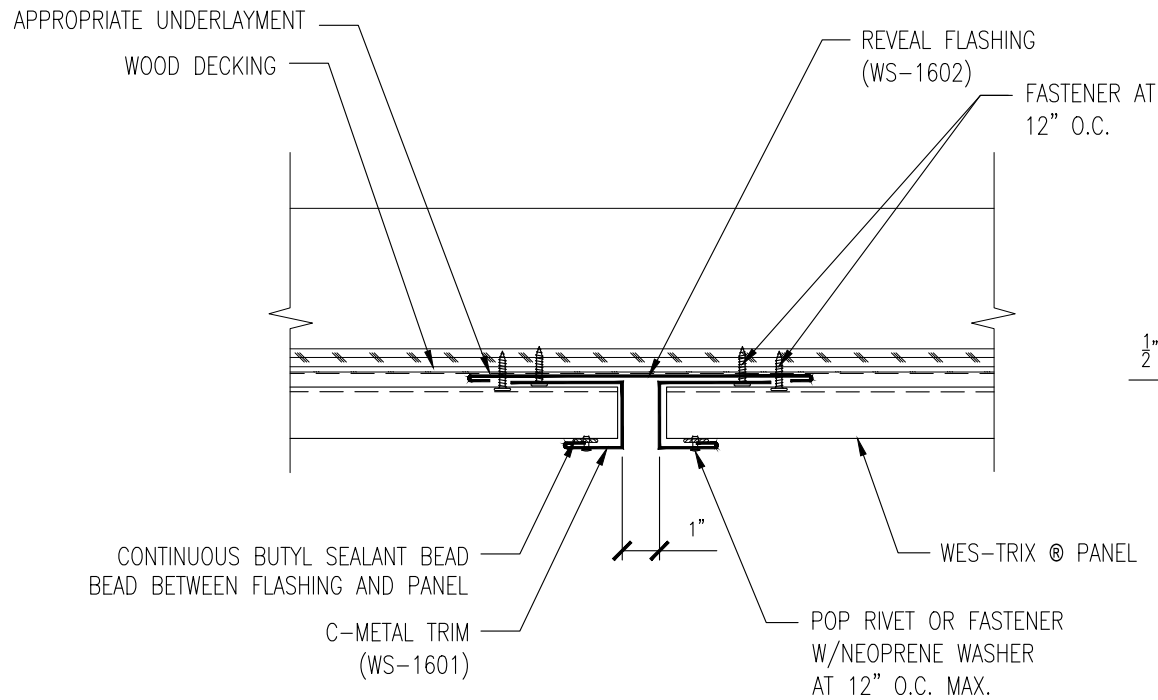
SOFFIT END SPLICE DETAIL

PANEL TYPE:

WES-TRIX®

A	01-23-26
REV:	DATE:
DETAIL #:	
WR-WSD-S1	

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HORIZONTAL WALL INSTALL

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
WALL/SOFFIT END SPLICE DETAIL			
		A	01-23-26
PANEL TYPE:	WES-TRIX ®	REV:	DATE:
		DETAIL #:	
		WR-WSD-SW2	



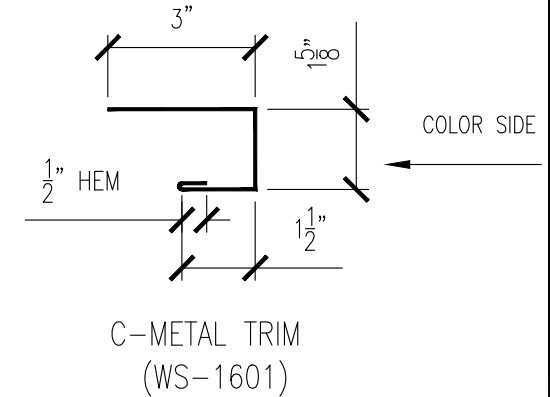
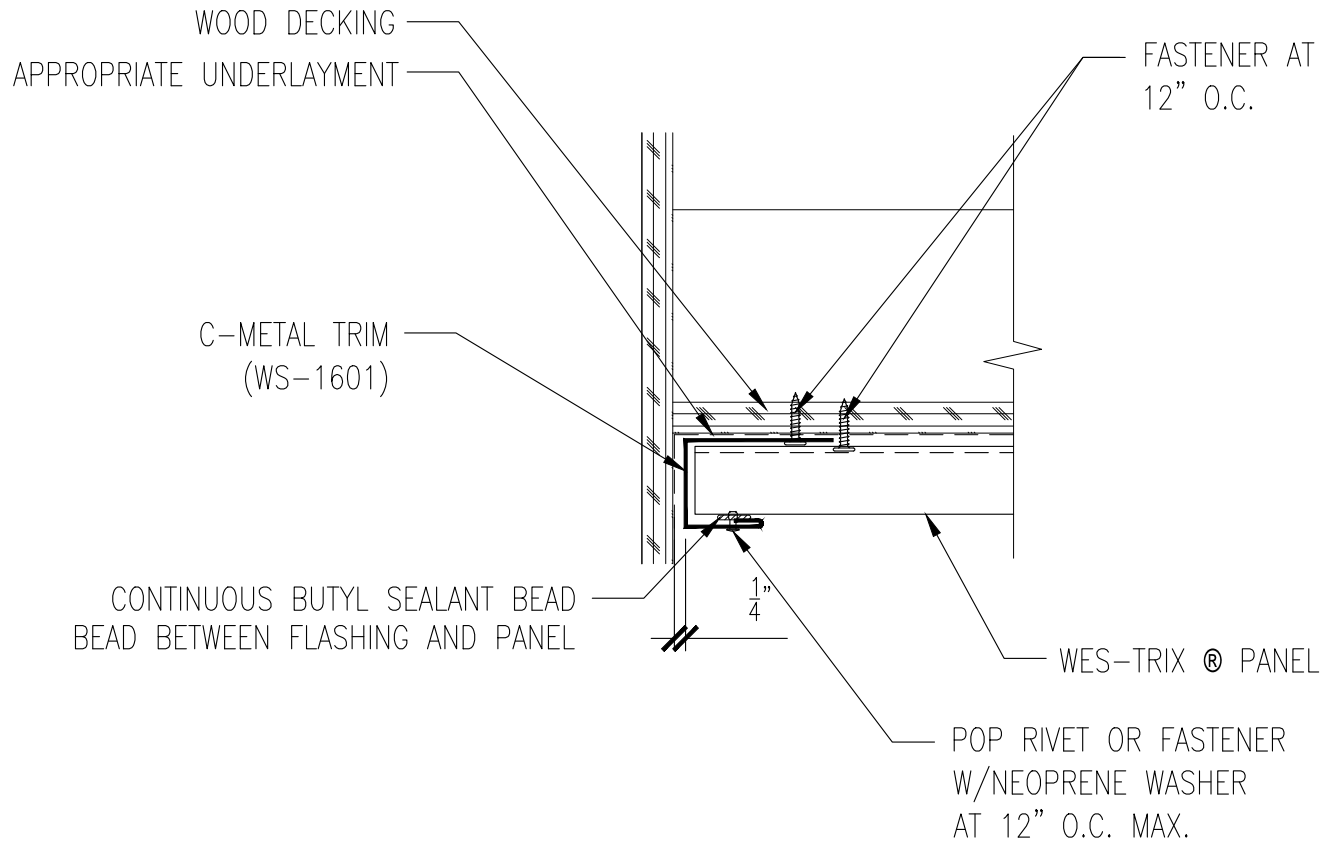
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
SOFFIT END WALL DETAIL			
		A	01-23-26
PANEL TYPE: WES-TRIX ®		REV:	DATE:
		DETAIL #: WR-WSD-S3	



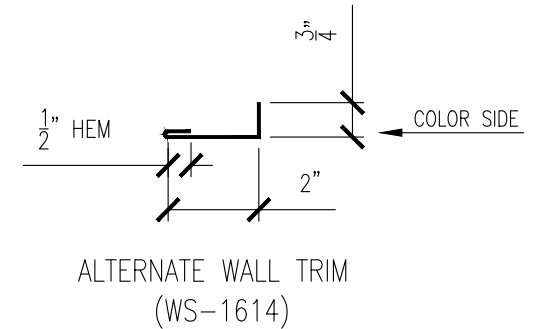
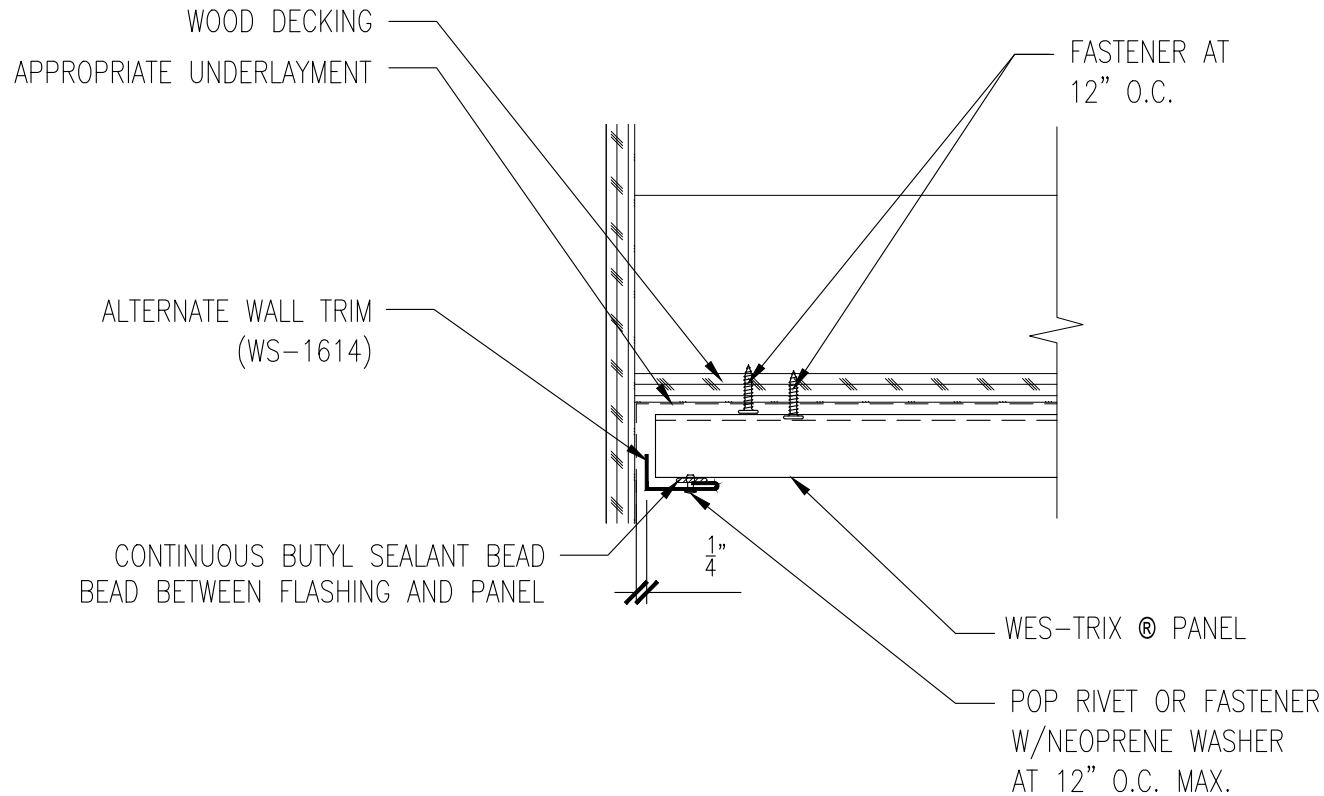
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
ALTERNATE SOFFIT END WALL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX ®		DETAIL #: WR-WSD-SW4	



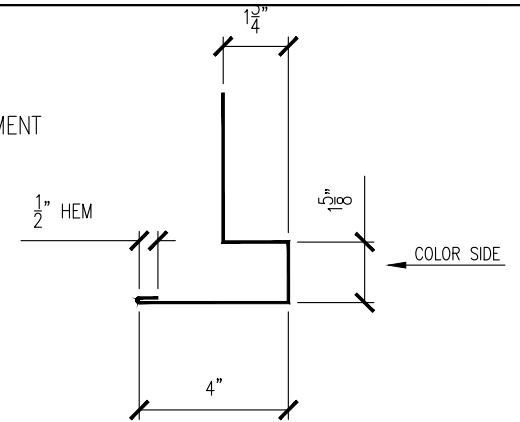
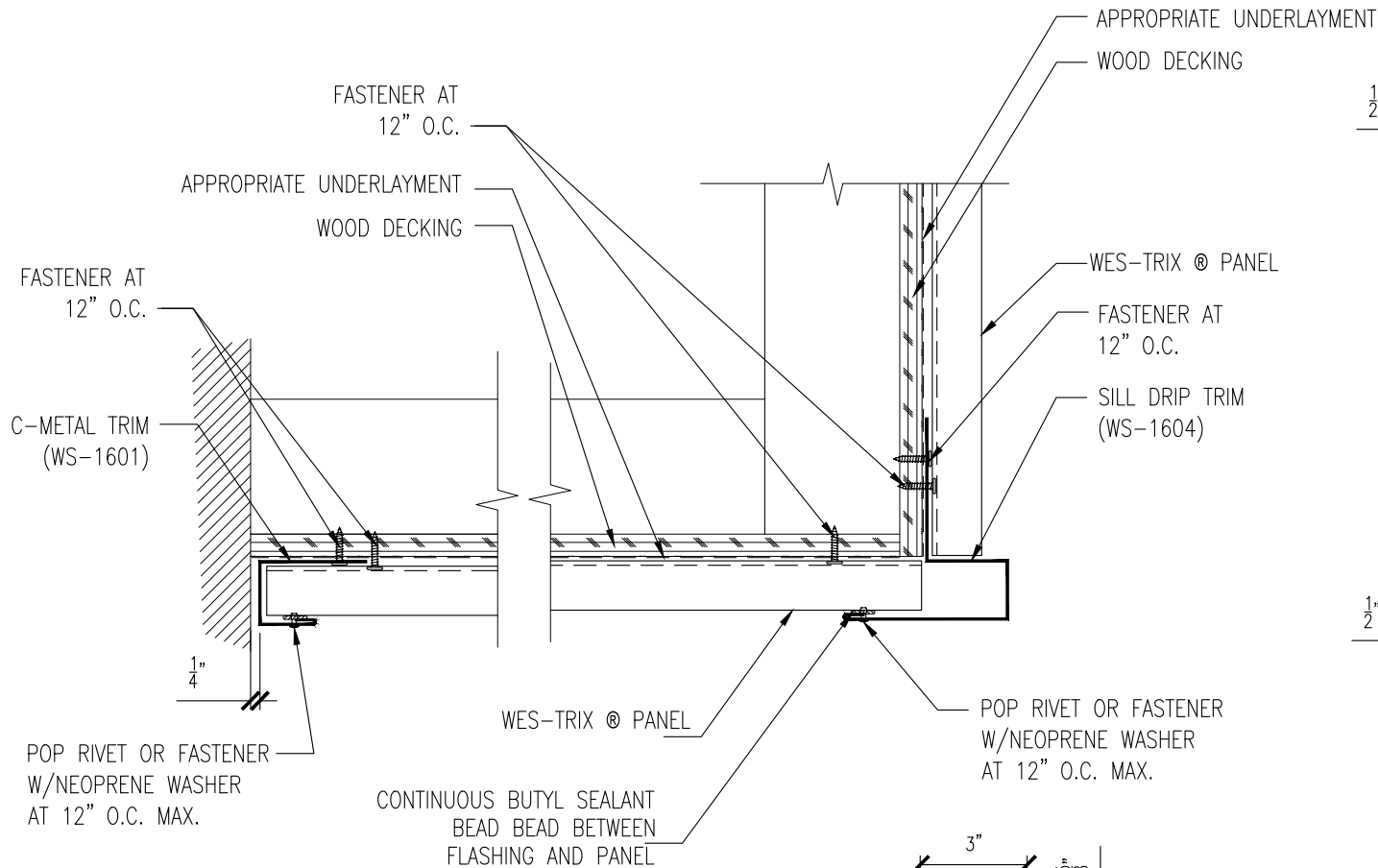
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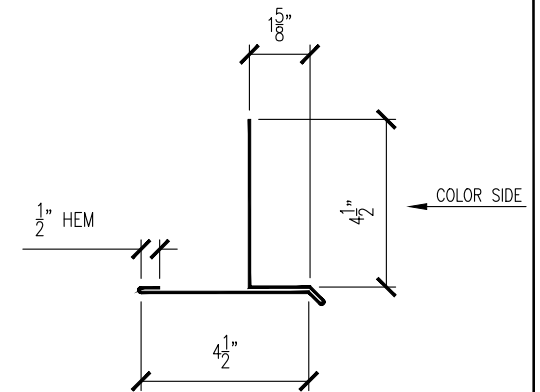
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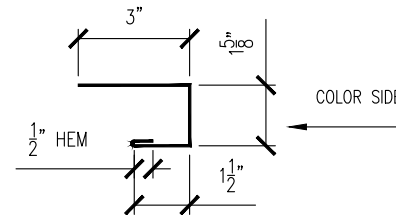
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SILL DRIP TRIM (WS-1604)



ALTERNATE SILL DRIP TRIM (WS-1605)



C-METAL TRIM (WS-1601)

GAUGE: _____	COLOR: _____
LENGTH: _____	FINISH: _____
MATERIAL: _____	

SOFFIT TO WALL DRIP DETAIL

PANEL TYPE:

WES-TRIX®

A 01-23-26

REV: DATE:

DETAIL #:
WR-WSD-SW5



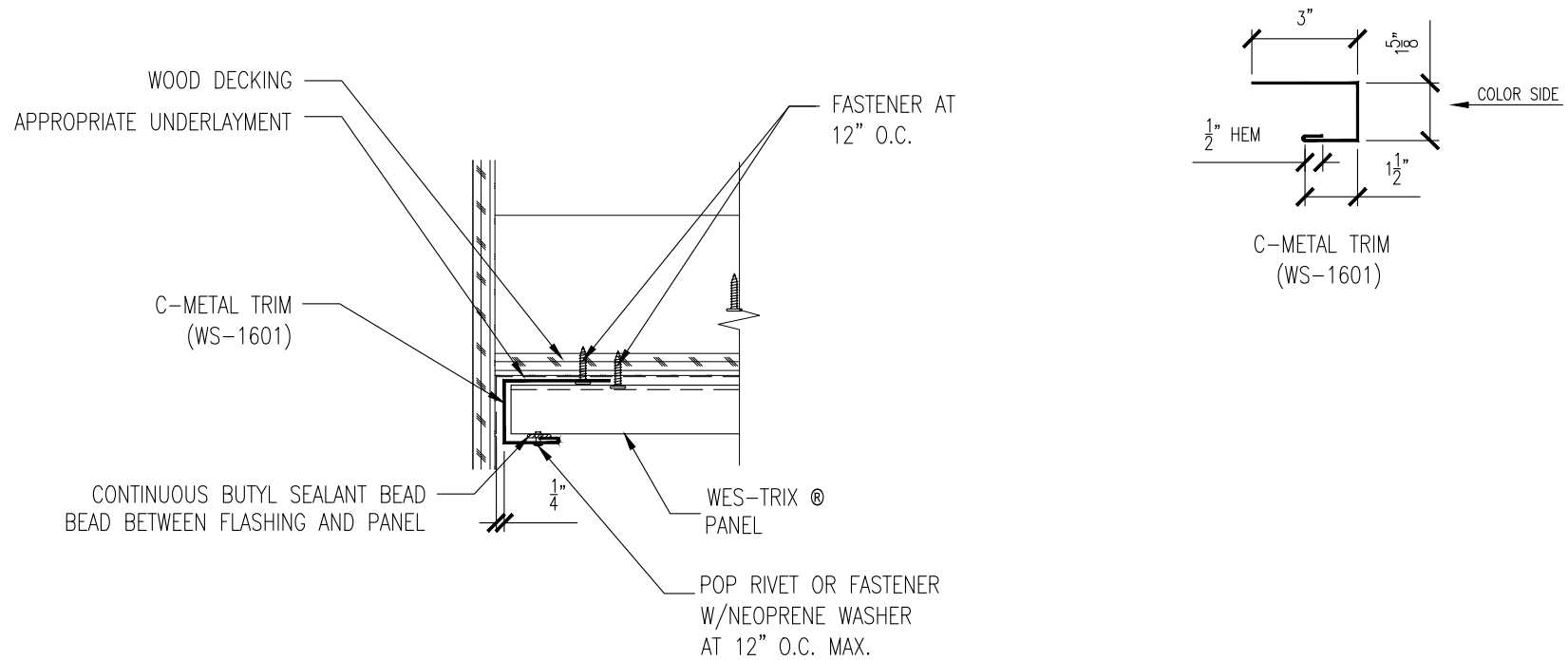
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
HORIZONTAL SIDING END WALL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX®		DETAIL #: WR-WSD-W6	



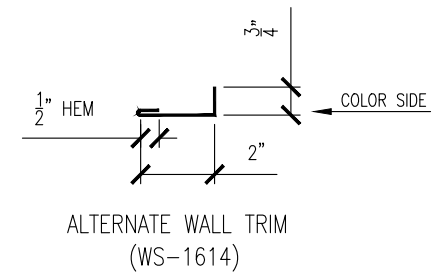
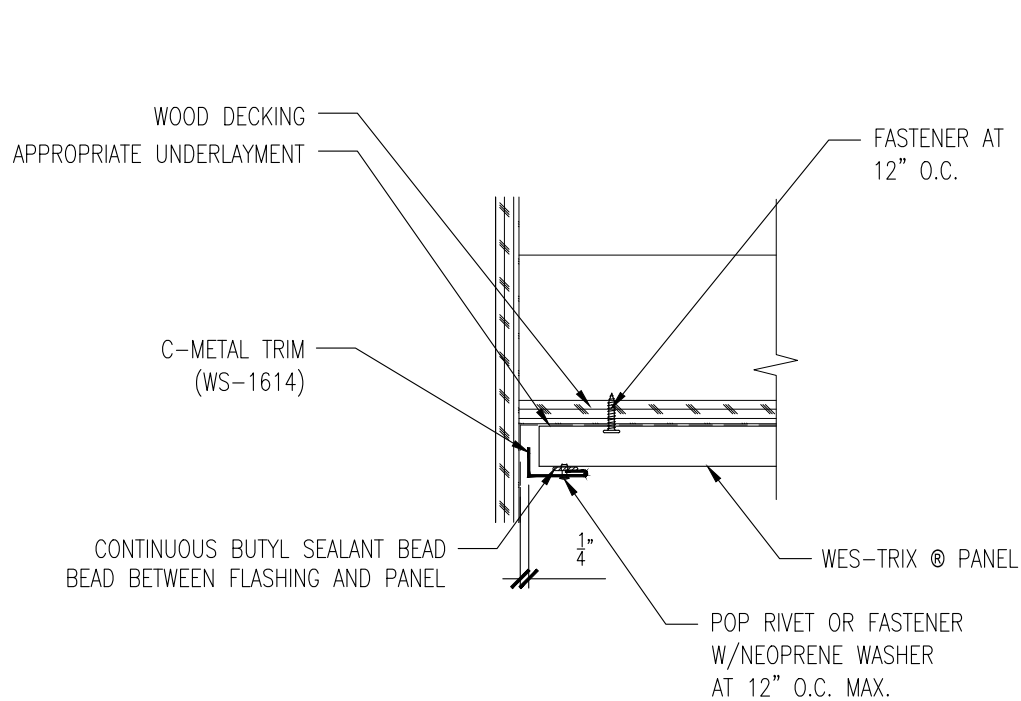
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
VERTICAL SIDING END WALL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE:		DETAIL #:	
WES-TRIX ®		WR-WSD-SW7	



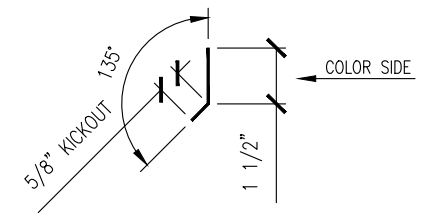
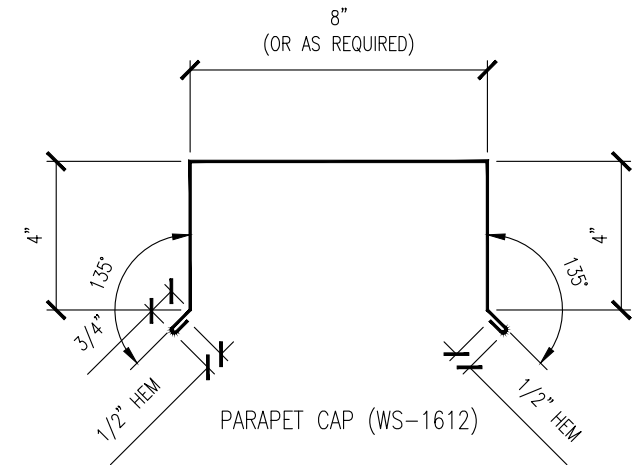
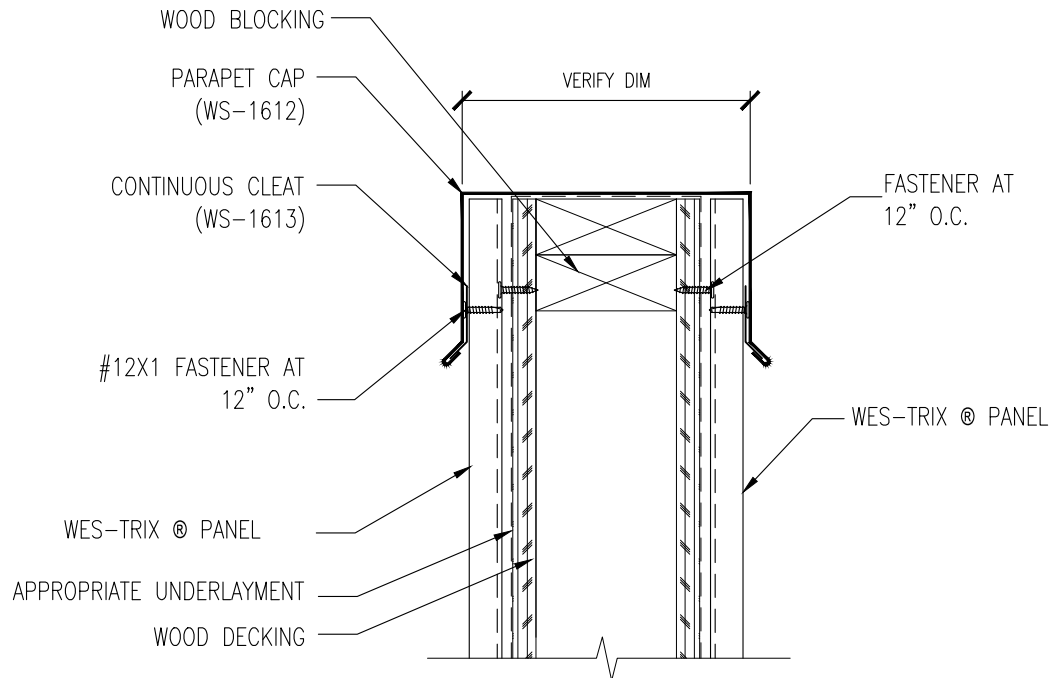
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CONTINUOUS CLEAT (WS-1613)

VERTICAL WALL INSTALL

GAUGE: _____	COLOR: _____
LENGTH: _____	FINISH: _____
MATERIAL: _____	

PARAPET WALL DETAIL

PANEL TYPE:

WES-TRIX®

A 01-23-26

REV: DATE:

DETAIL #:

WR-WSD-SW8



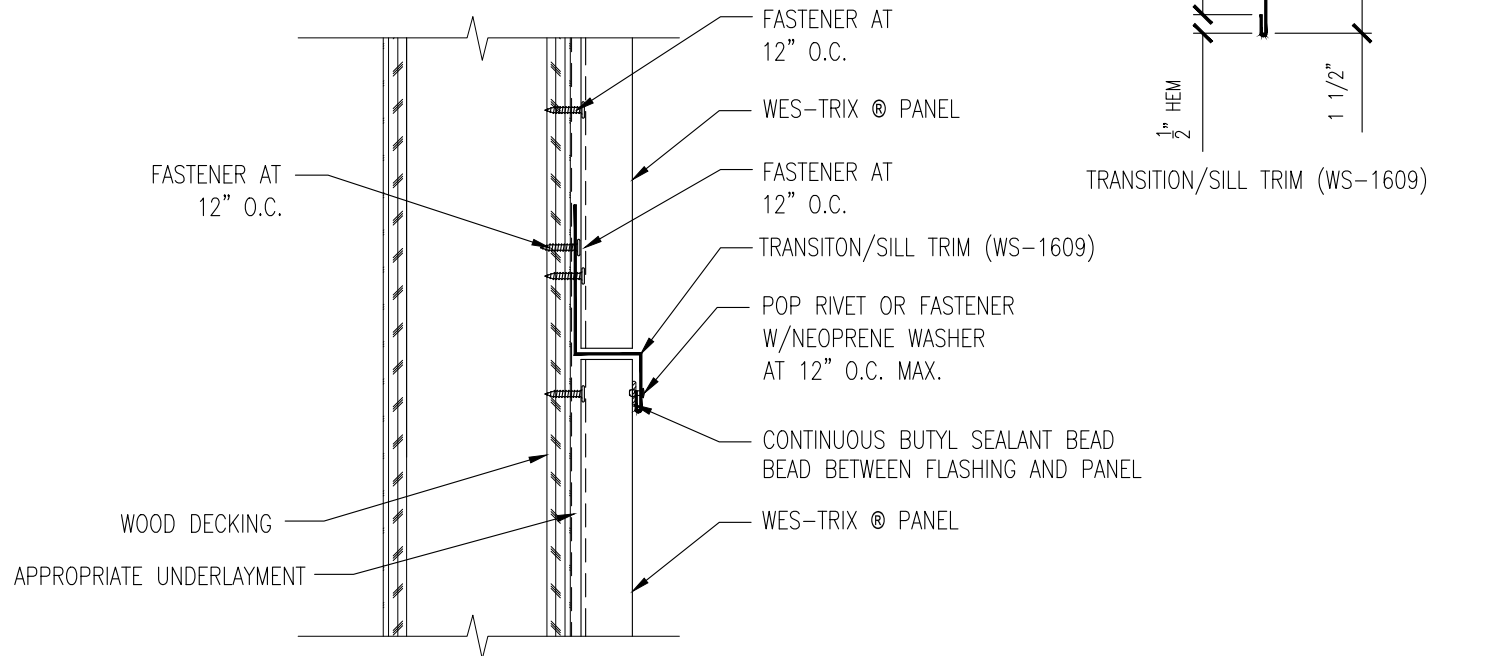
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VERTICAL WALL INSTALL

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
SPLICE/SILL DETAIL			
		A	01-23-26
PANEL TYPE: WES-TRIX®		REV:	DATE:
		DETAIL #: WR-WSD-W9	



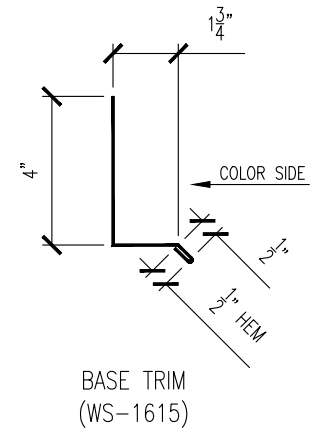
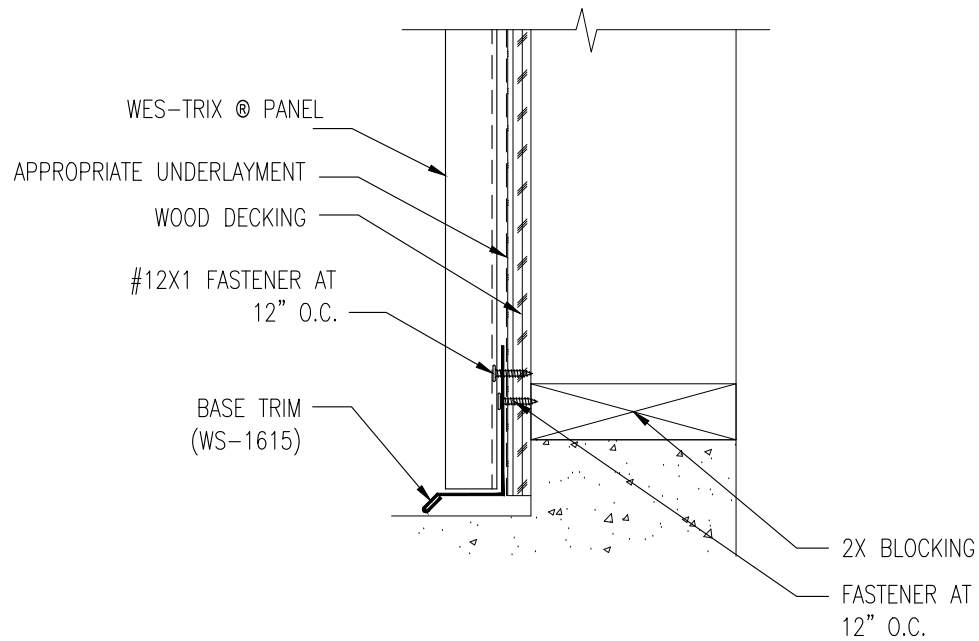
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** WSMR Recommends Sharkskin®
Ultra SA for Underlayment.



GAUGE: _____	COLOR: _____
LENGTH: _____	FINISH: _____
MATERIAL: _____	



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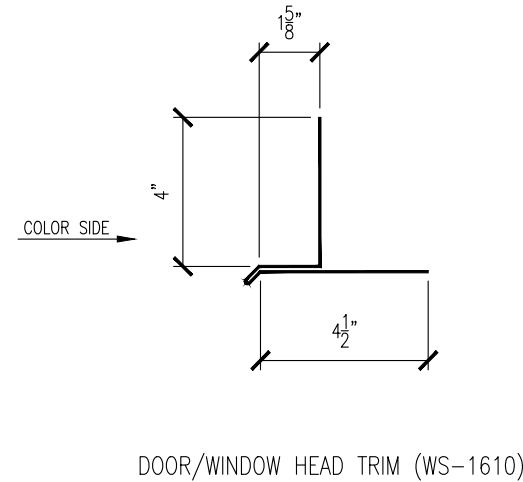
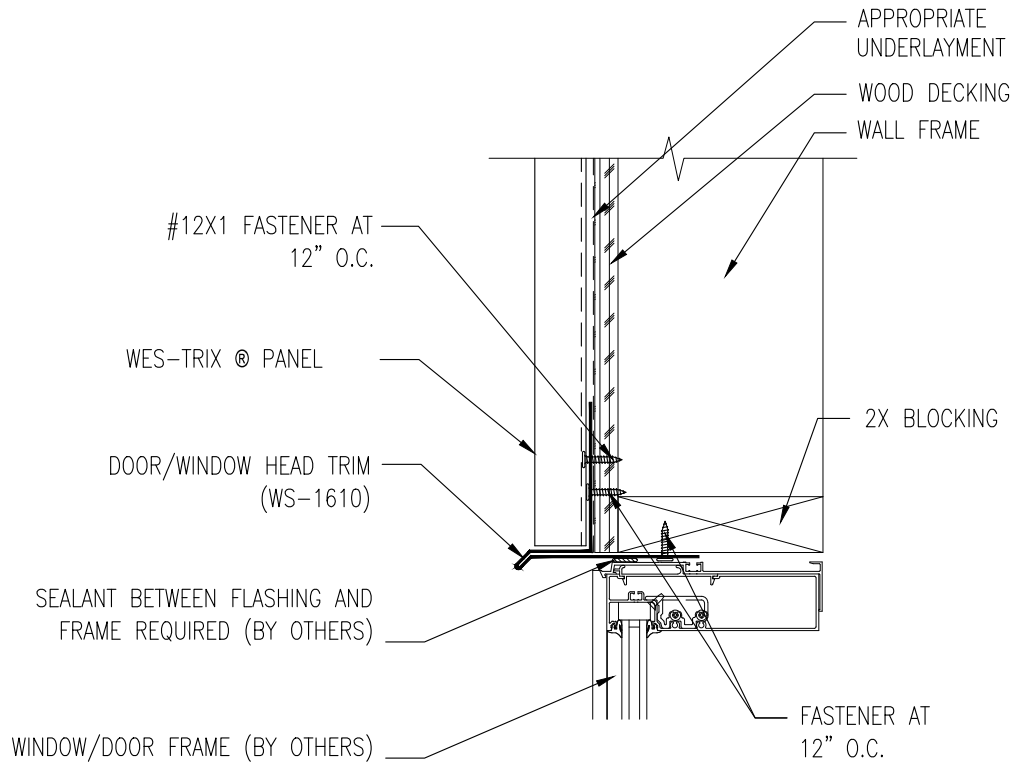
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BASE DETAIL			
		A	01-23-26
PANEL TYPE:		REV:	DATE:
WES-TRIX®		DETAIL #: WR-WSD-W10	

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VERTICAL WALL INSTALL

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
DOOR/WINDOW SILL AND HEAD DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE:		DETAIL #:	
WES-TRIX ®		WR-WSD-W11	



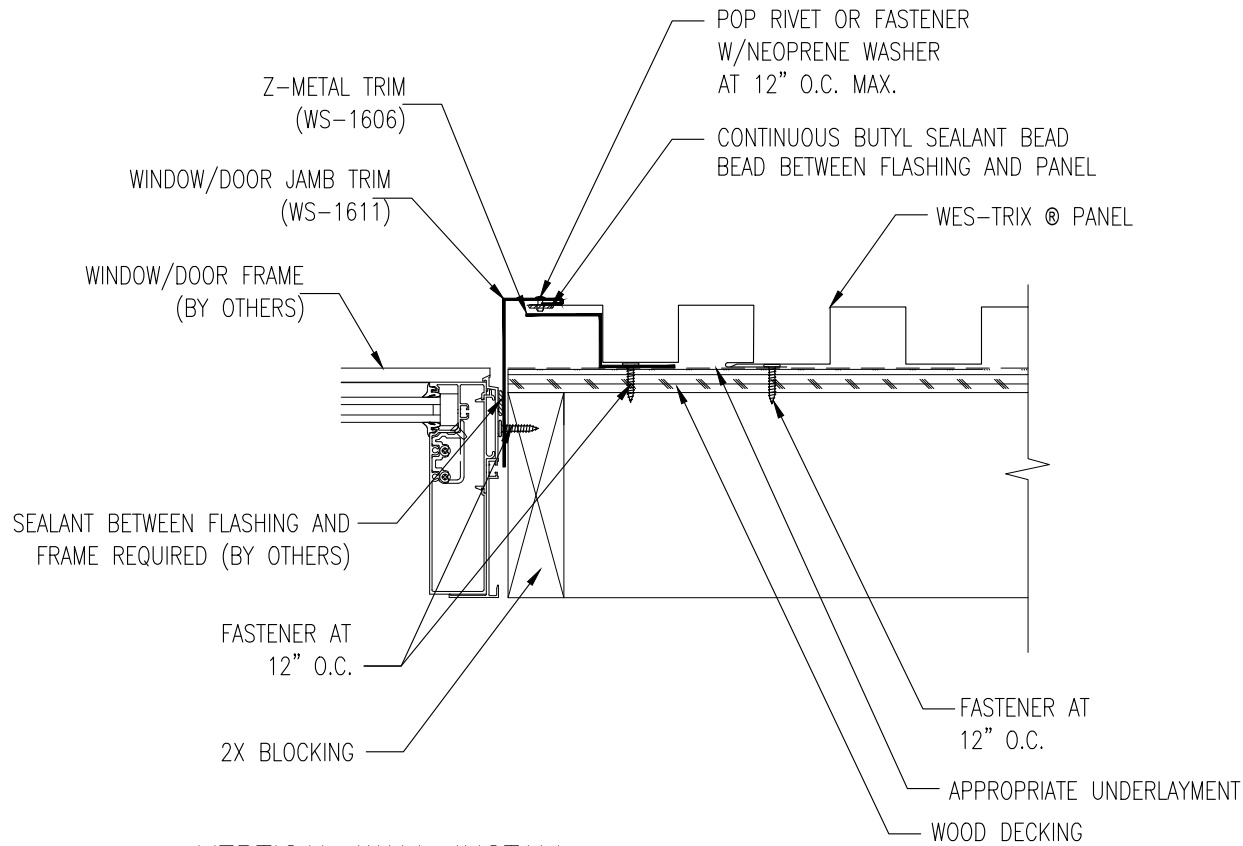
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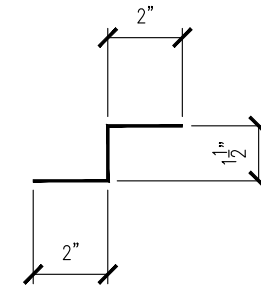
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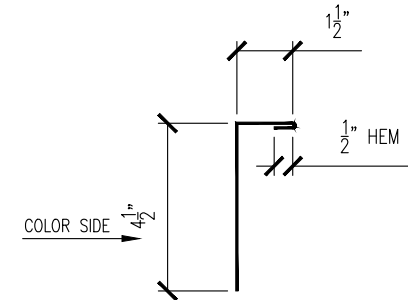
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VERTICAL WALL INSTALL



Z-METAL TRIM
(WS-1606)



WINDOW/DOOR JAMB TRIM
(WS-1611)

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
WINDOW/DOOR JAMB DETAIL			
		A	01-23-26
PANEL TYPE: WES-TRIX ®		REV:	DATE:
		DETAIL #: WR-WSD-W12	



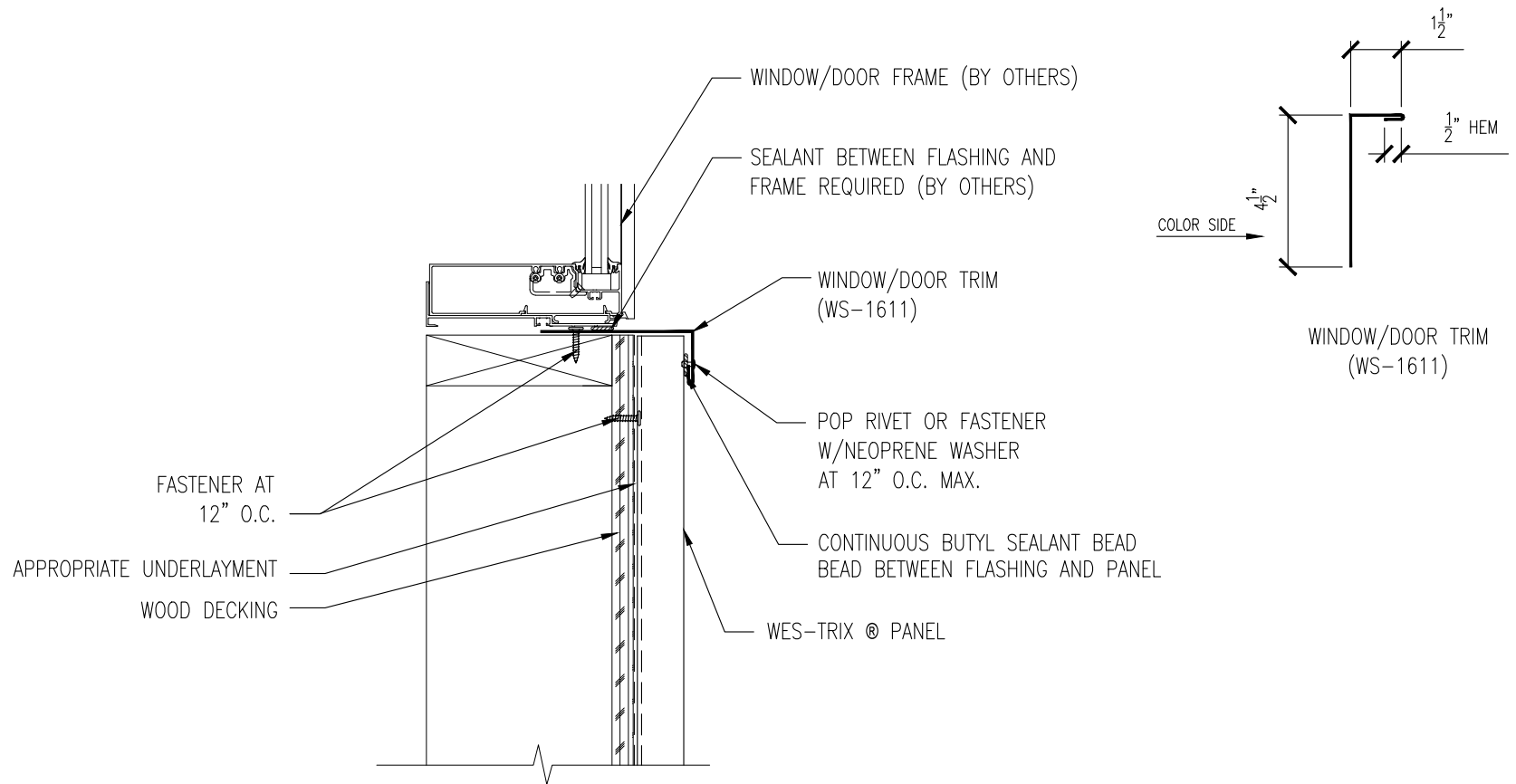
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VERTICAL WALL INSTALL

GAUGE: _____	COLOR: _____
LENGTH: _____	FINISH: _____
MATERIAL: _____	

DOOR/WINDOW SILL DETAIL

PANEL TYPE:

WES-TRIX®

A 01-23-26

REV: DATE:

DETAIL #:
WR-WSD-W13



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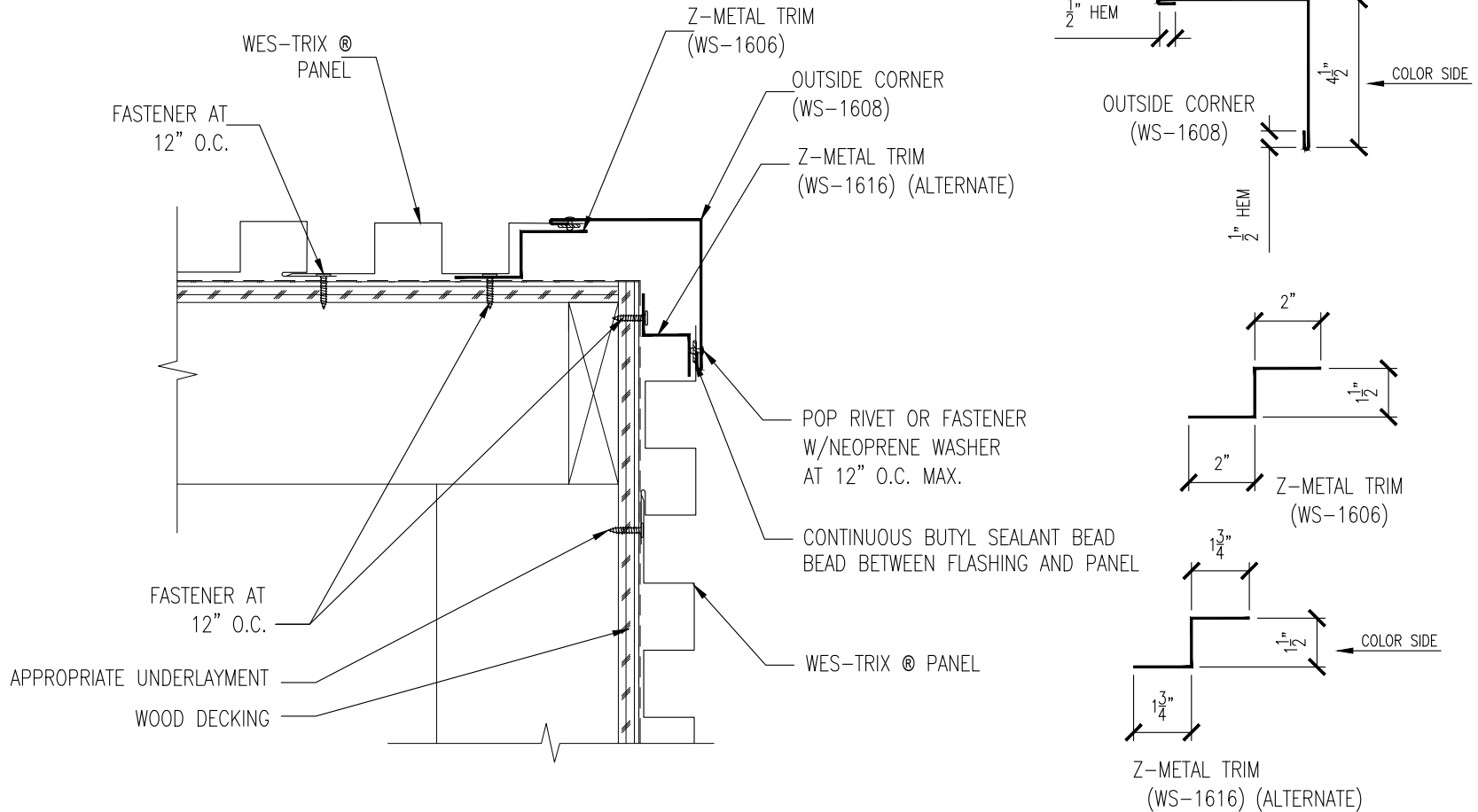
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VERTICAL WALL INSTALL

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
OUTSIDE CORNER DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE:		DETAIL #:	
WES-TRIX ®		WR-WSD-W14	



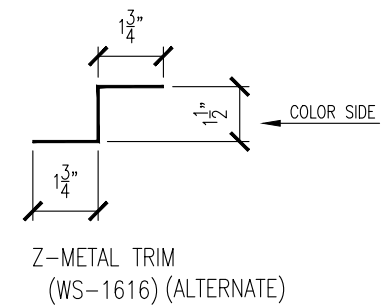
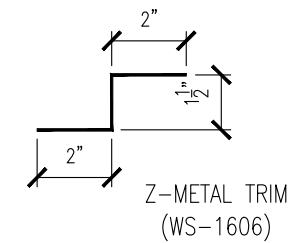
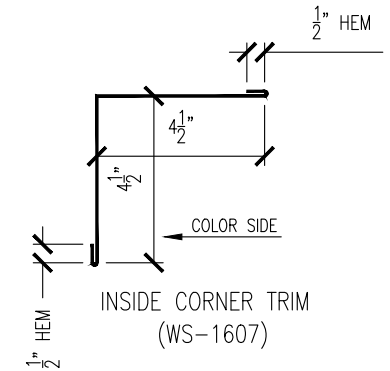
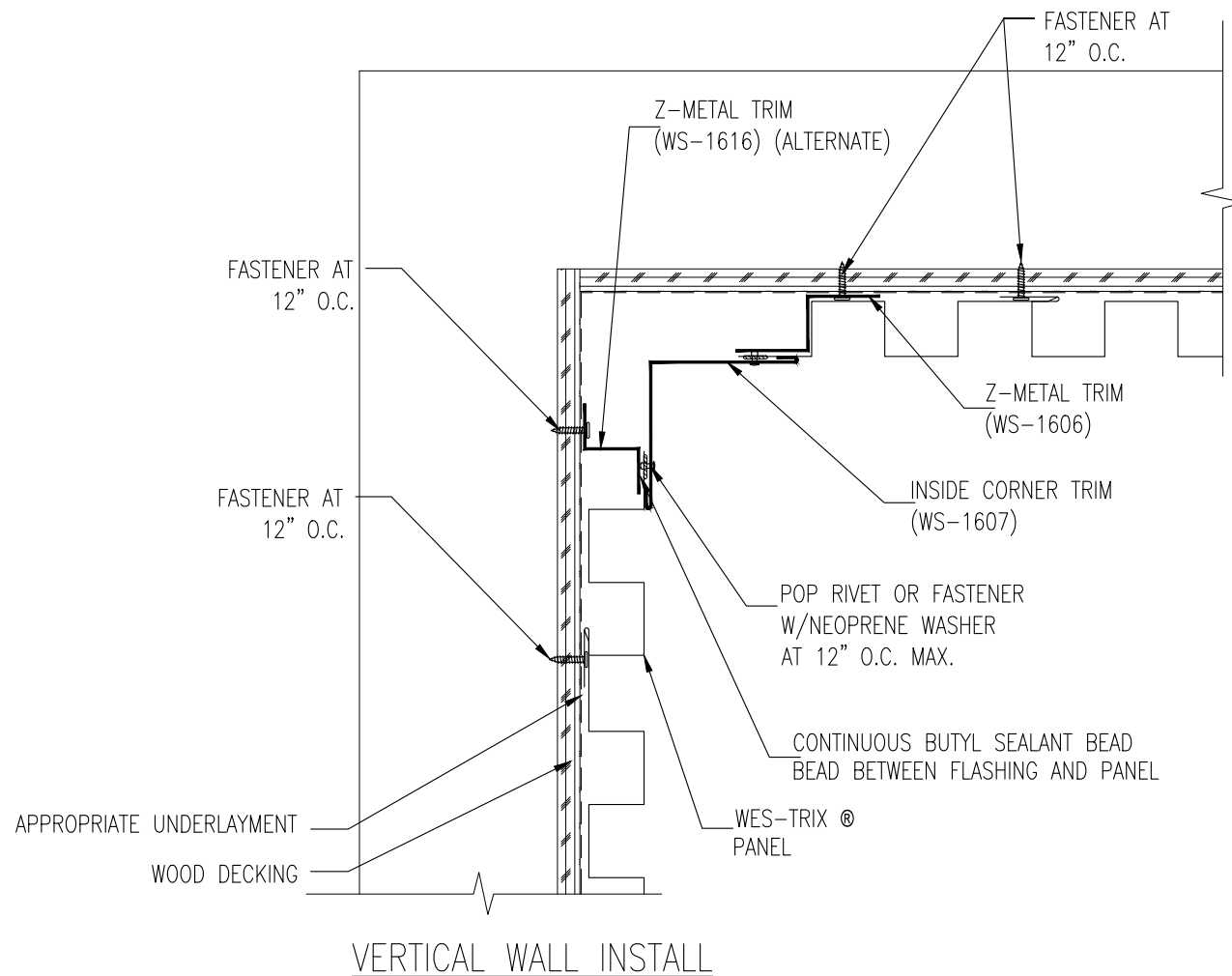
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GAUGE: _____	COLOR: _____
LENGTH: _____	FINISH: _____
MATERIAL: _____	

INSIDE CORNER DETAIL

PANEL TYPE:

WES-TRIX®

A 01-23-26

REV: DATE:

DETAIL #:
WR-WSD-W15



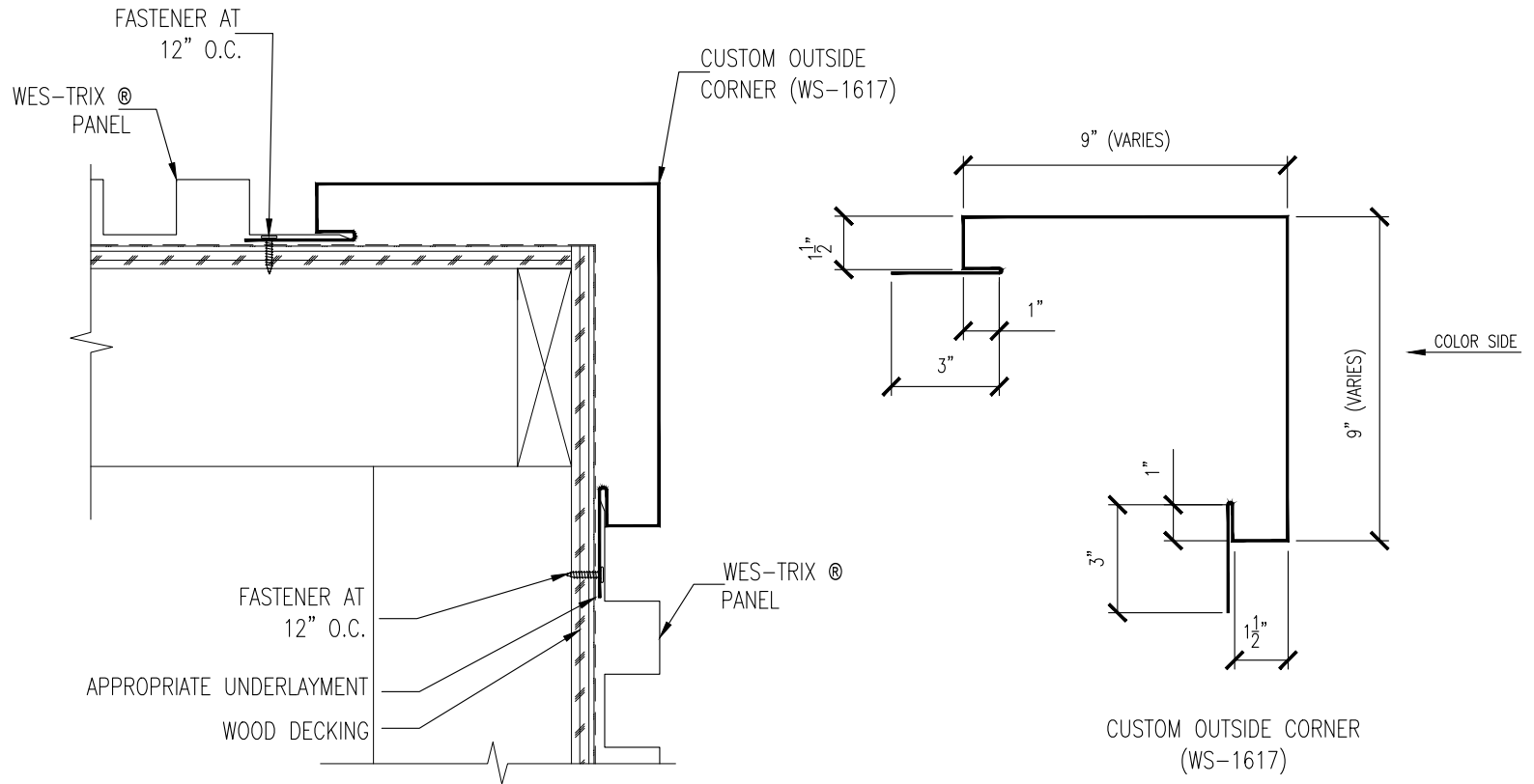
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
CUSTOM OUTSIDE CORNER DETAIL			
		A	01-23-26
		REV:	DATE:
		DETAIL #: WR-WSD-W16	
PANEL TYPE: WES-TRIX®			

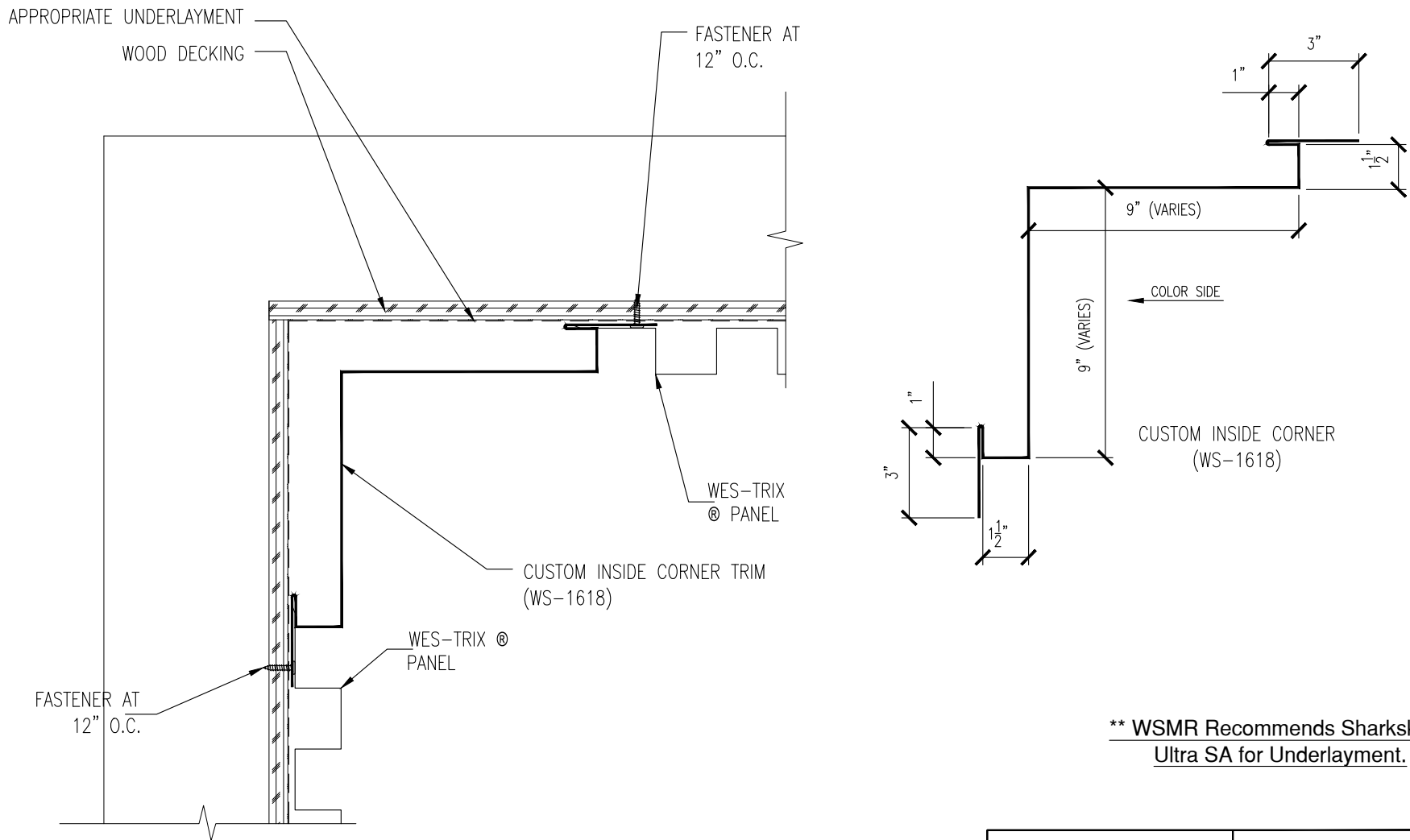


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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
CUSTOM INSIDE CORNER DETAIL			
		A	01-23-26
		REV:	DATE:
		DETAIL #: WR-WSD-W17	
PANEL TYPE: WES-TRIX®			



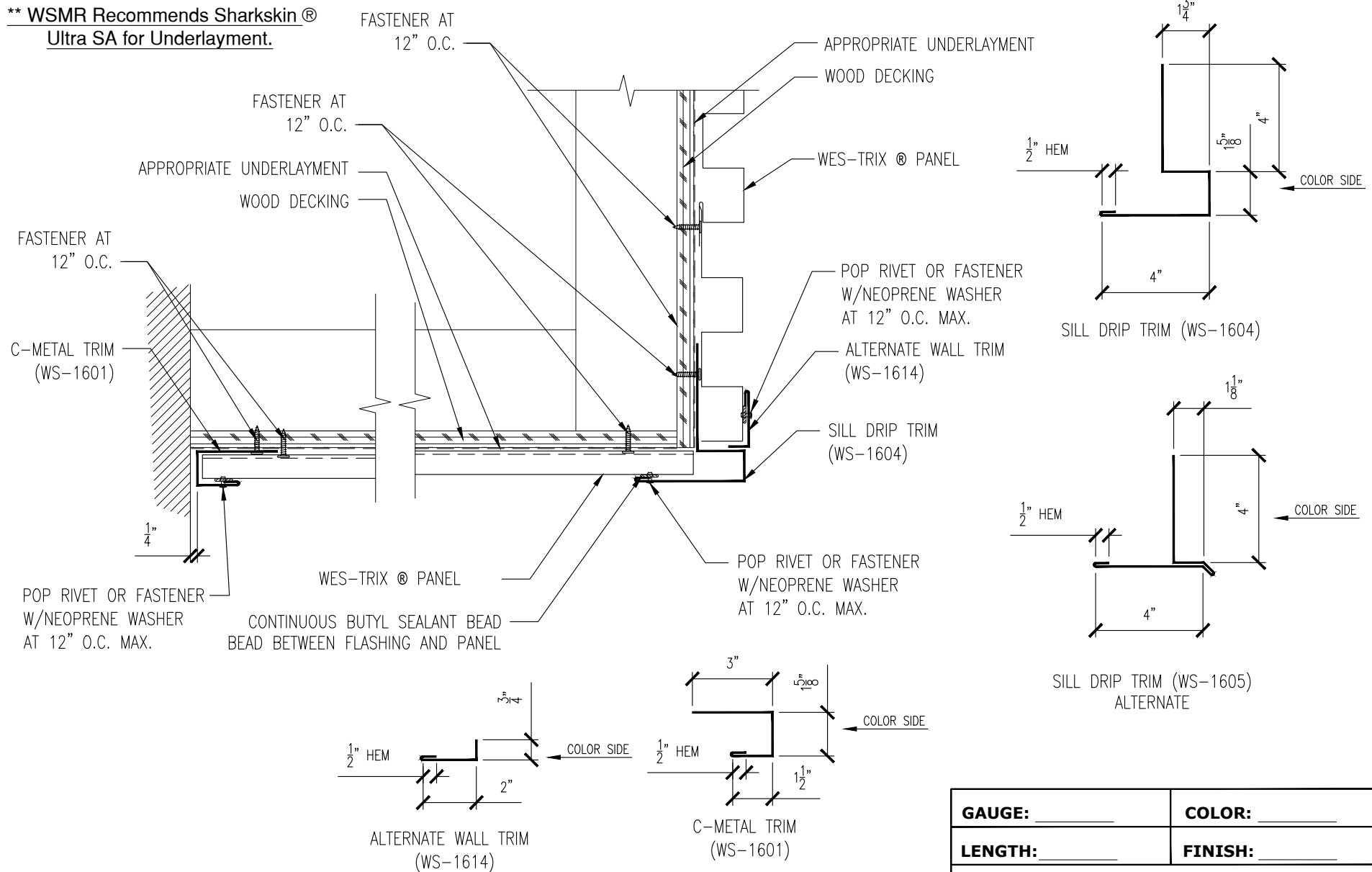
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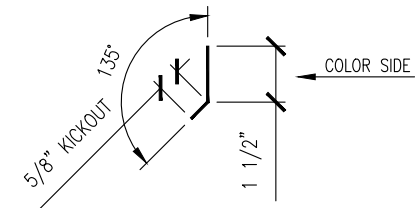
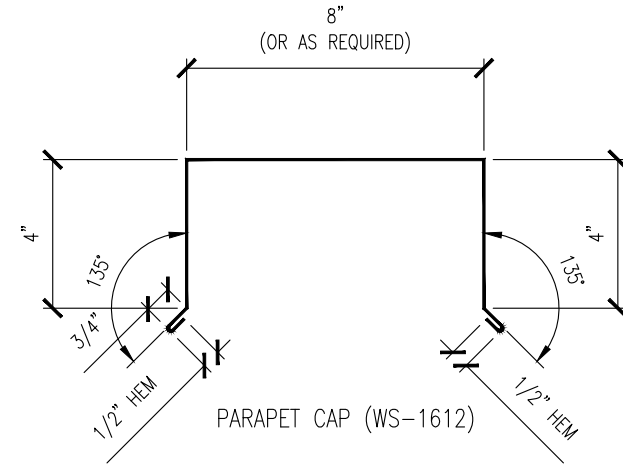
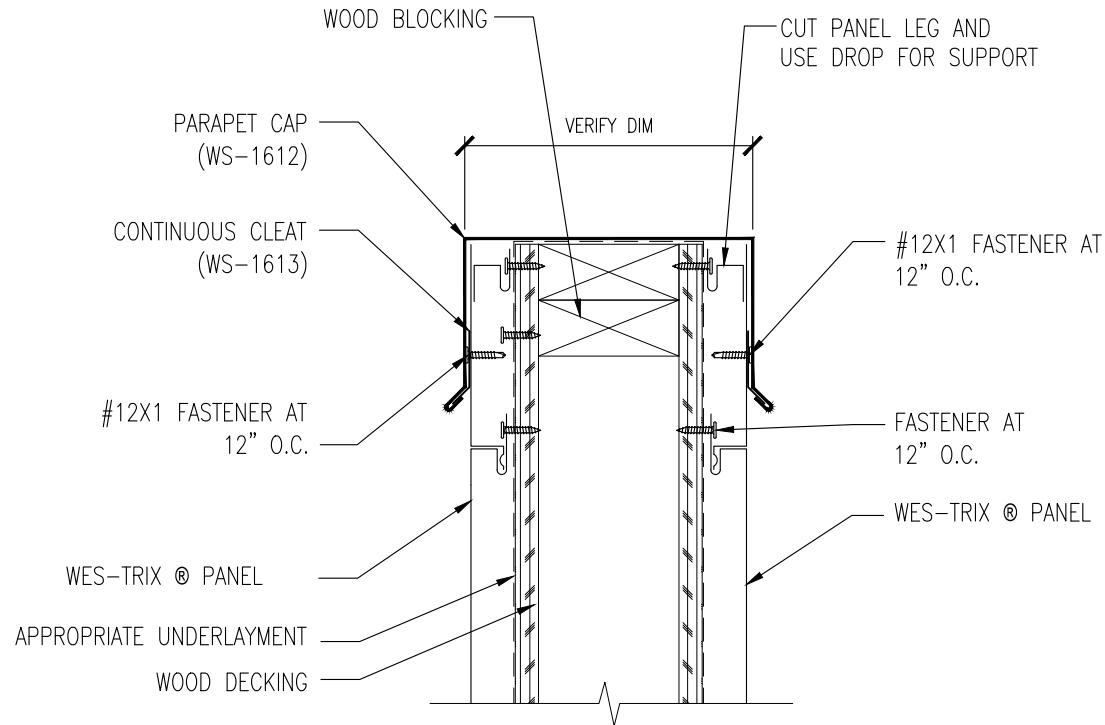
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
SOFFIT TO WALL HORIZONTAL DETAIL			
		A	01-23-26
PANEL TYPE: WES-TRIX ®		REV:	DATE:
		DETAIL #: WR-WSD-W18	

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CONTINUOUS CLEAT (WS-1613)

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
PARAPET WALL HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX®		DETAIL #: WR-WSD-W19	



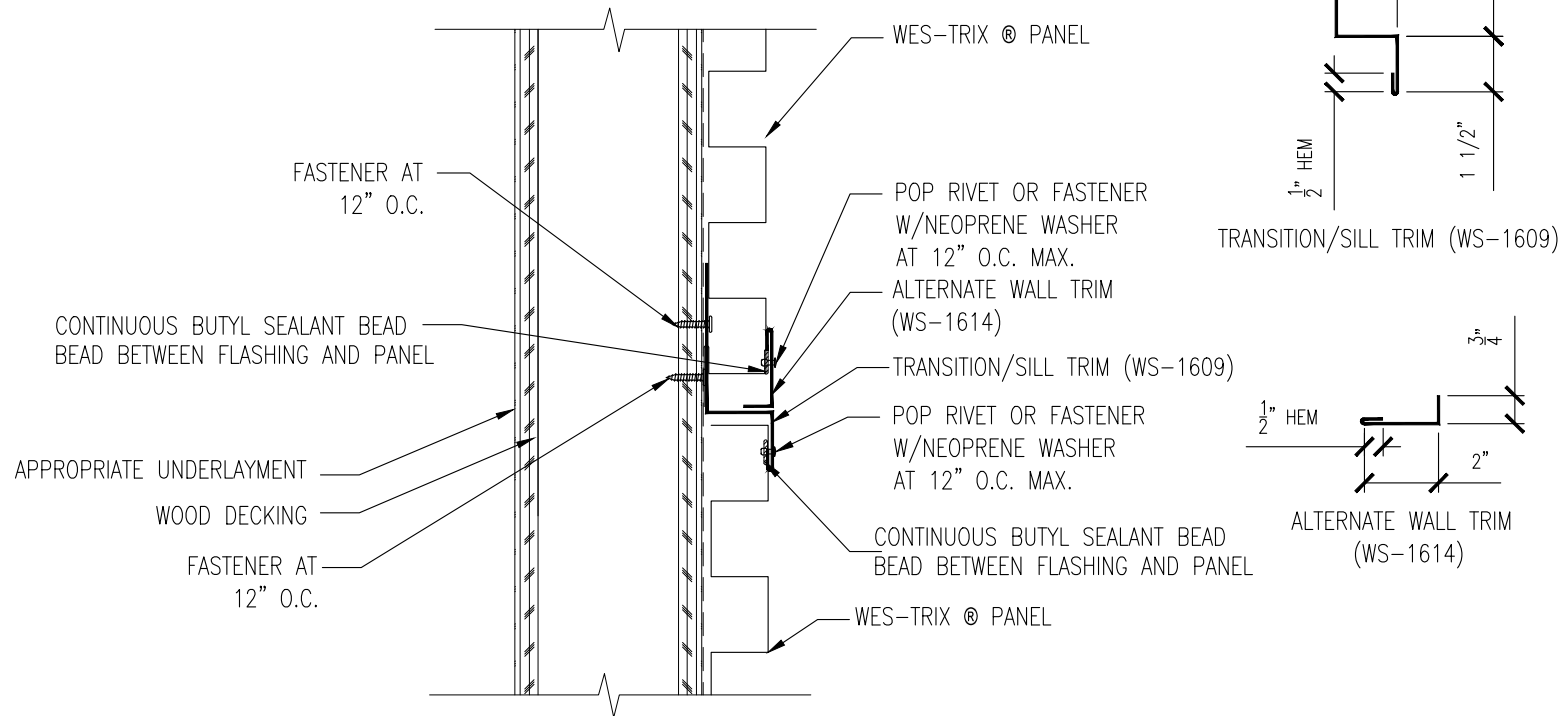
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
SPLICE/SILL HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX ®		DETAIL #: WR-WSD-W20	



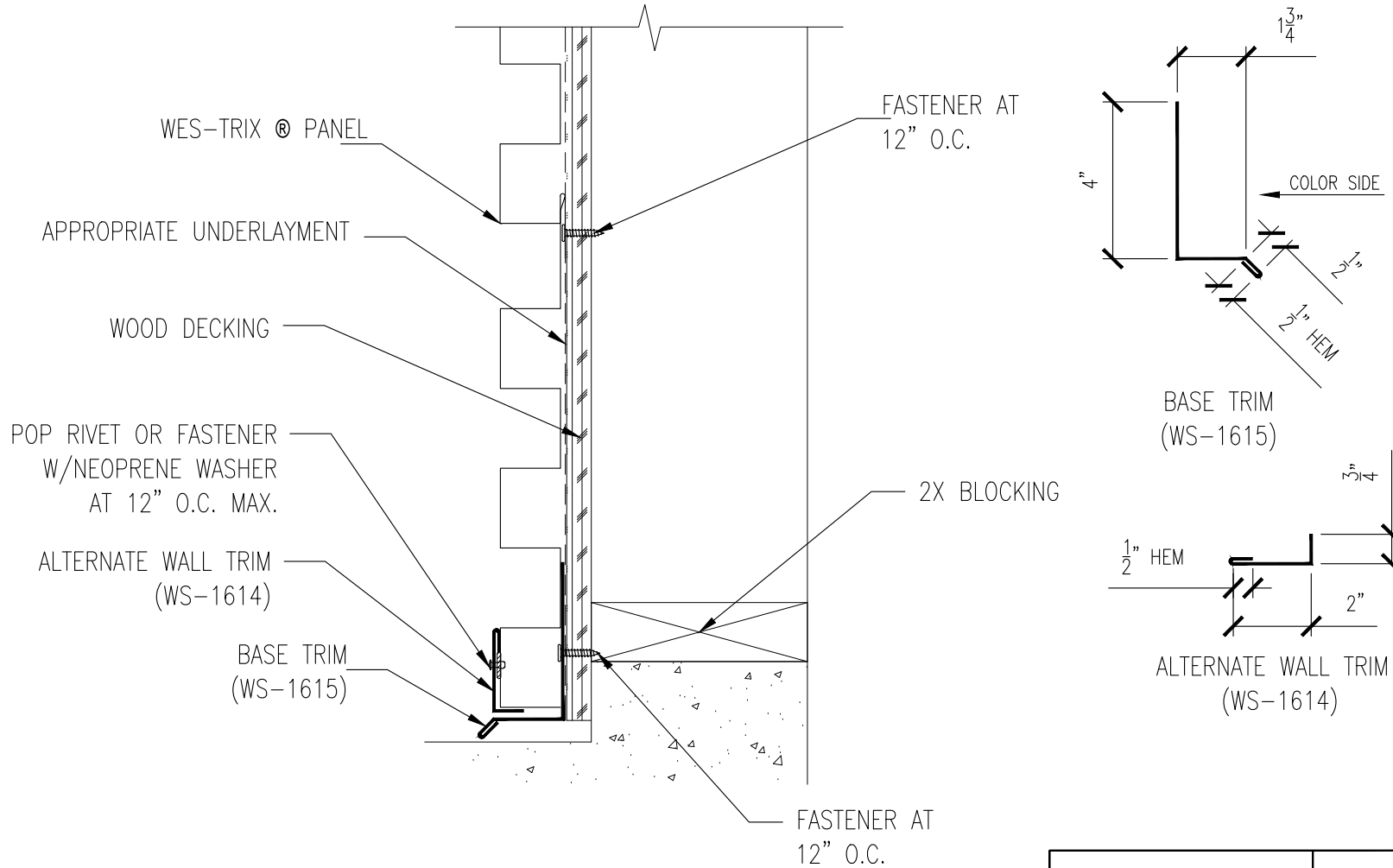
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
BASE HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE:		DETAIL #:	
WES-TRIX ®		WR-WSD-W21	



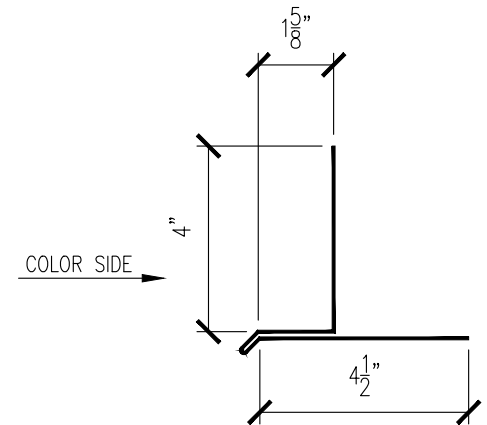
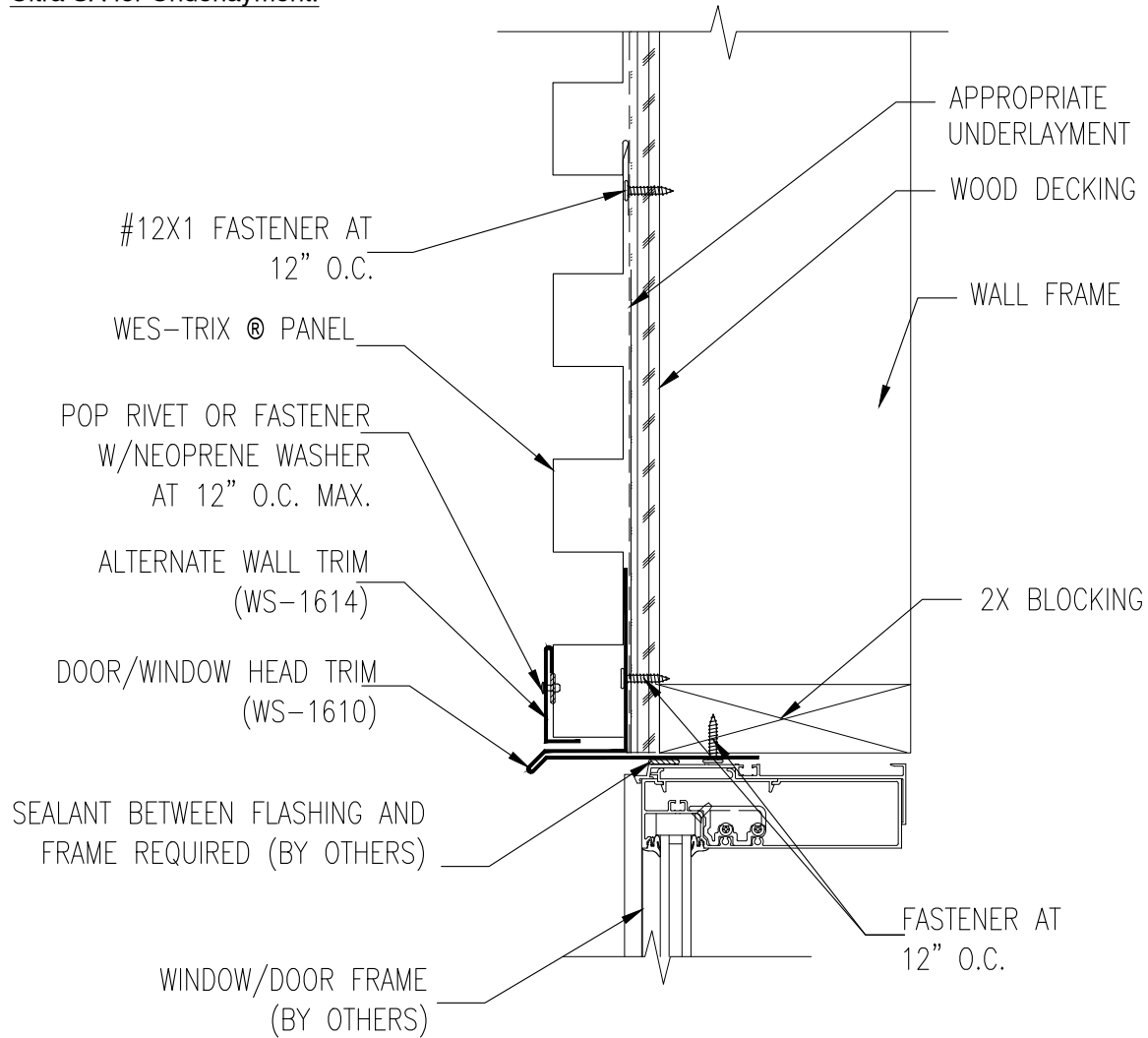
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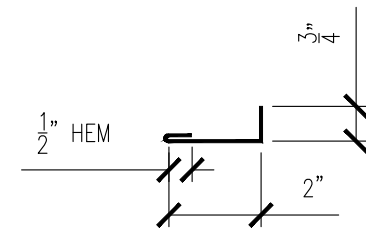
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DOOR/WINDOW HEAD TRIM
(WS-1610)



ALTERNATE WALL TRIM
(WS-1614)

GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
WINDOW / DOOR HEAD HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE:		DETAIL #:	
WES-TRIX ®		WR-WSD-W22	



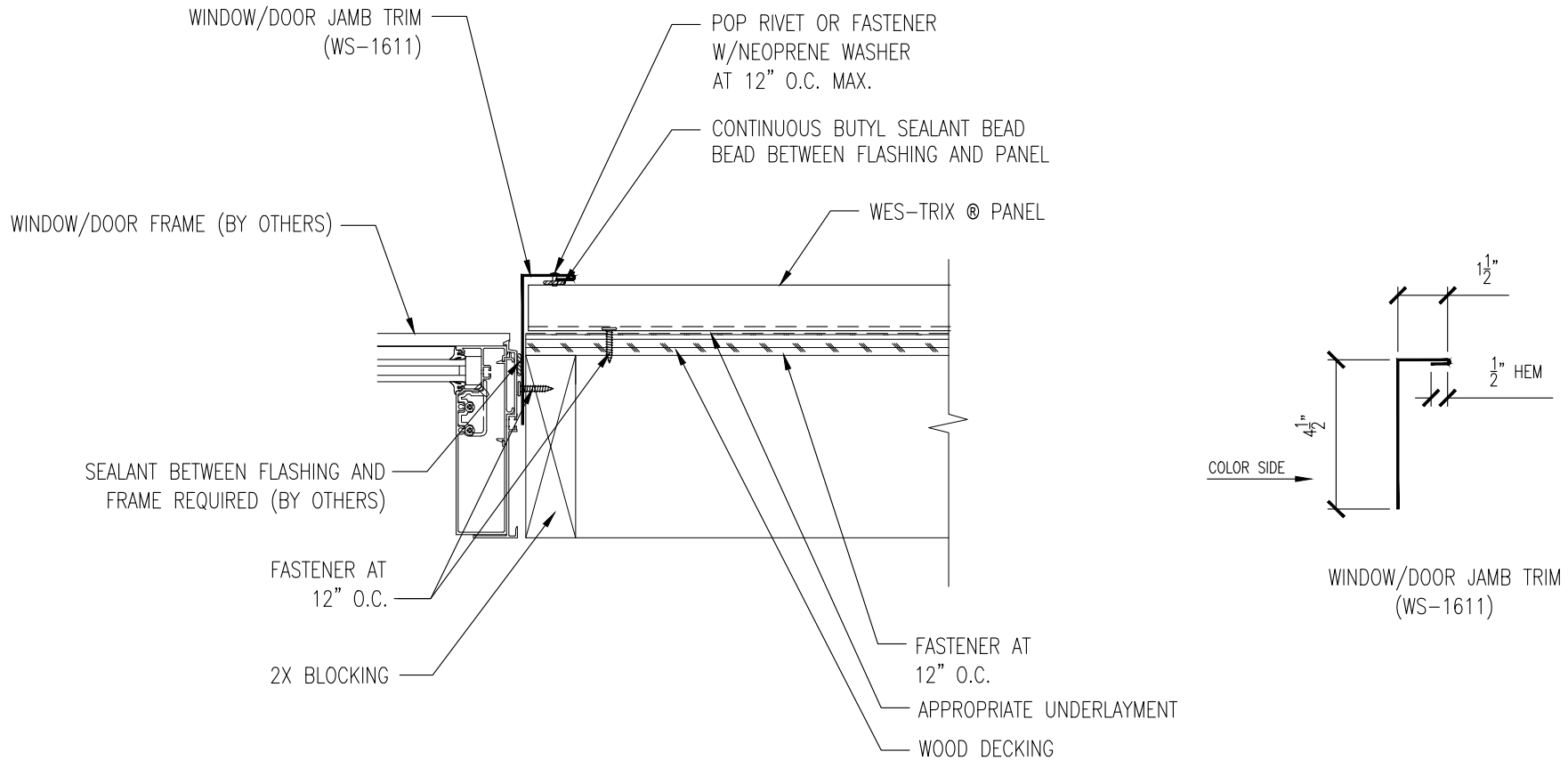
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
WINDOW/DOOR JAMB HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE:		DETAIL #:	
WES-TRIX ®		WR-WSD-W23	



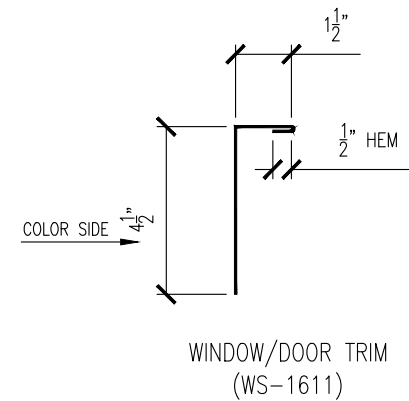
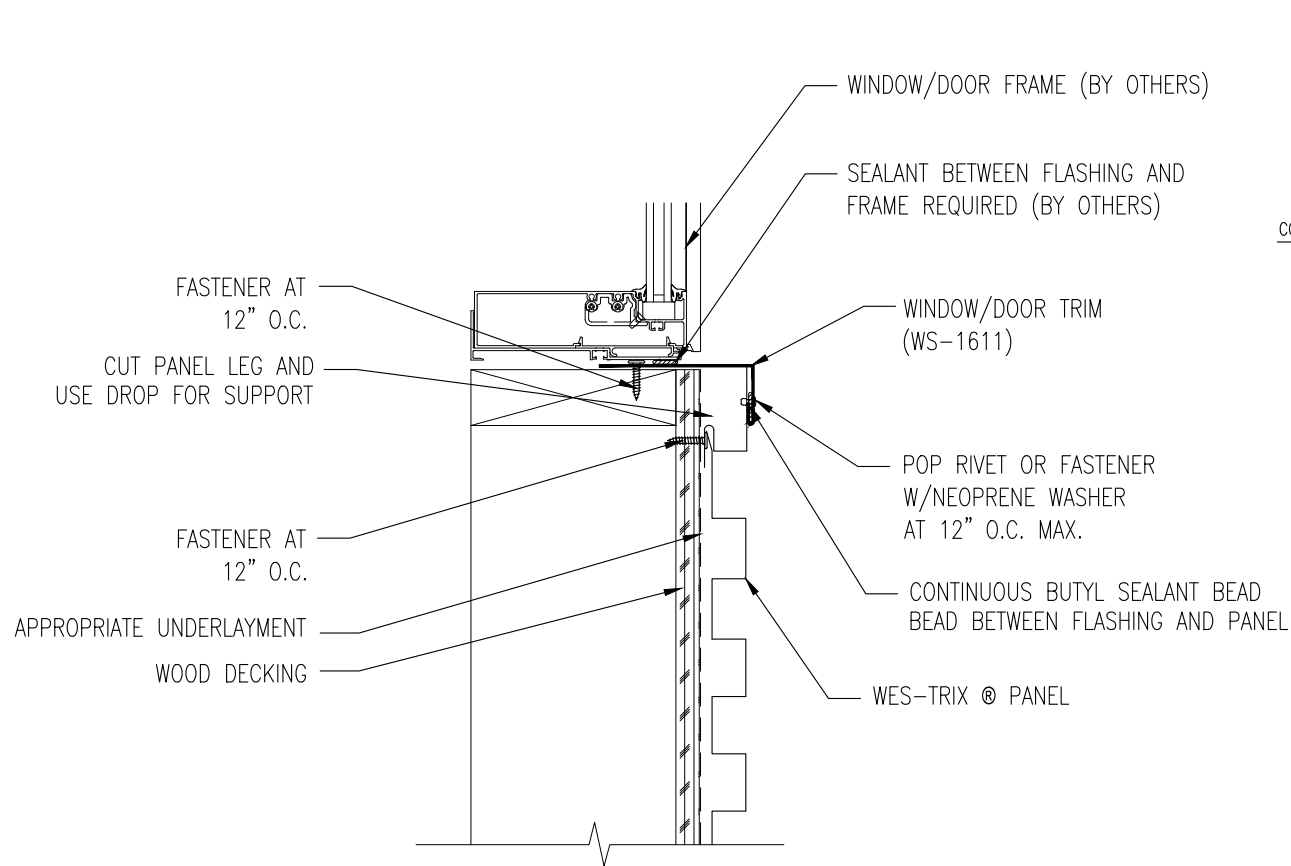
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
WINDOW/DOOR SILL HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX®		DETAIL #: WR-WSD-W24	



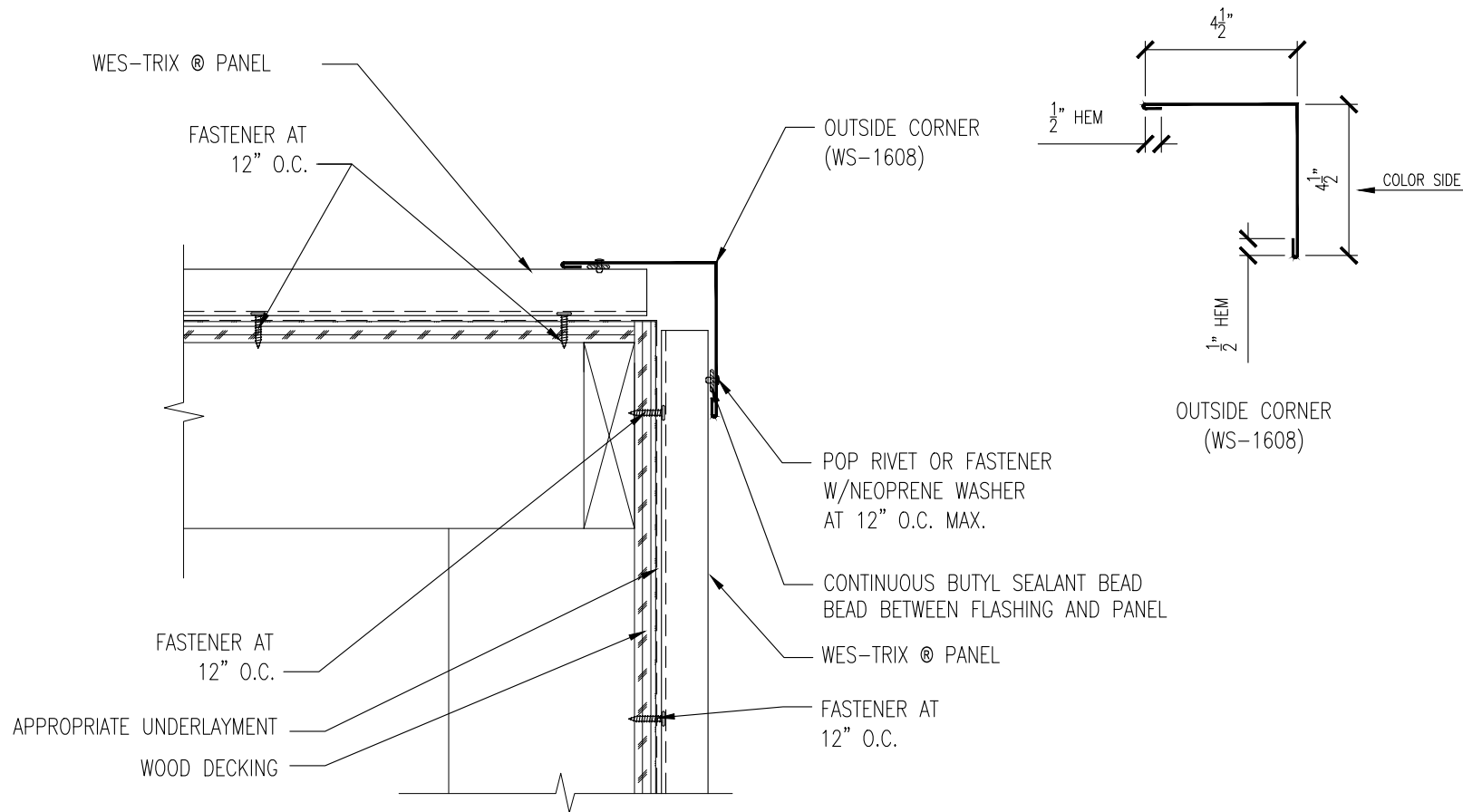
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
OUTSIDE CORNER HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX®		DETAIL #: WR-WSD-W25	



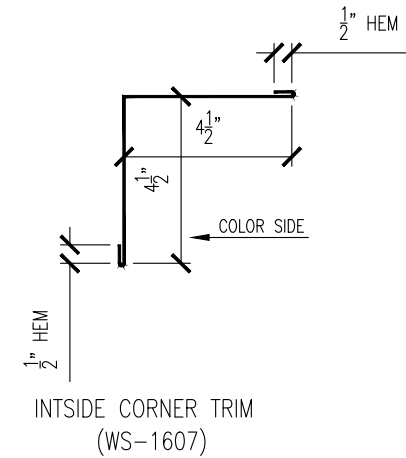
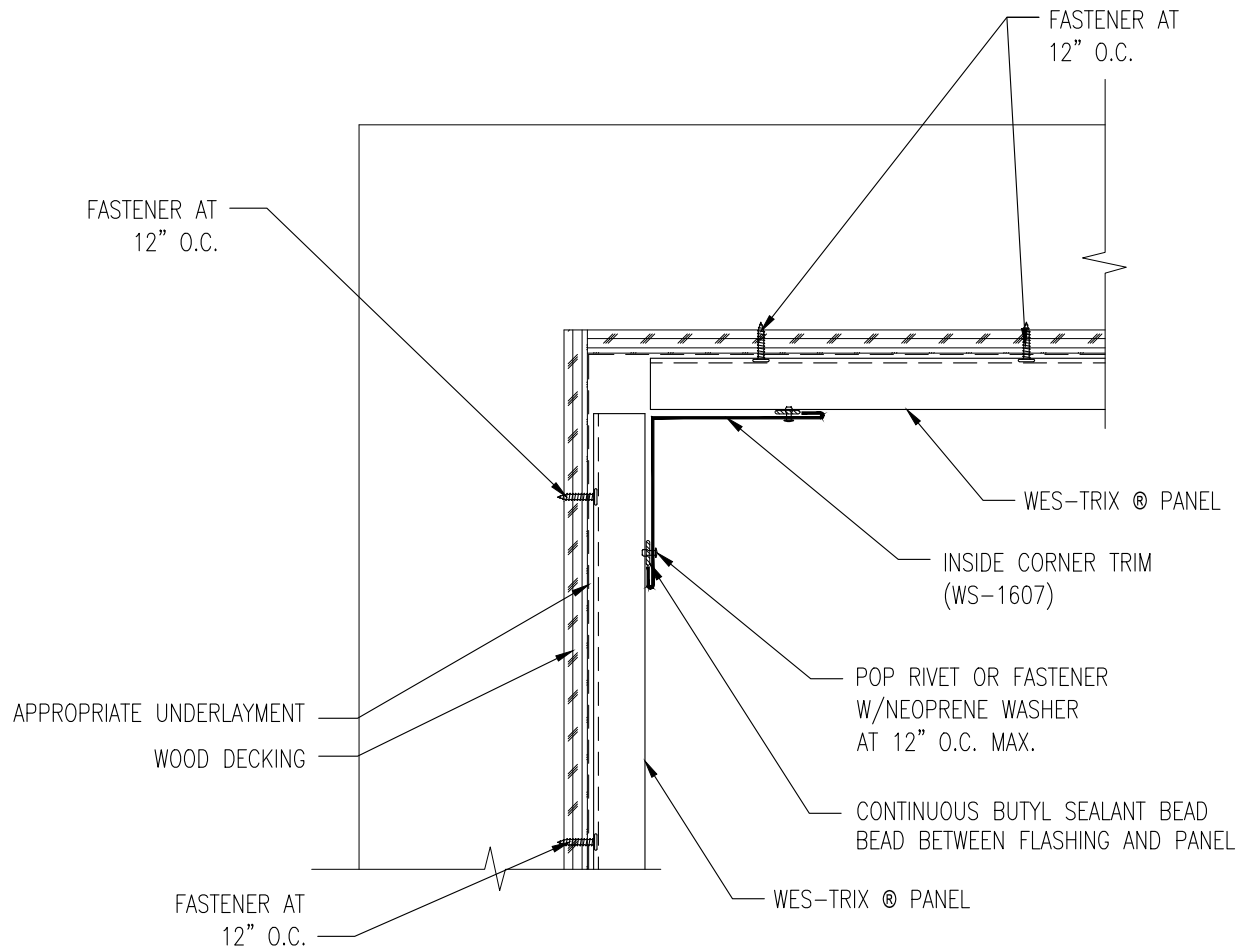
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GAUGE: _____		COLOR: _____	
LENGTH: _____		FINISH: _____	
MATERIAL: _____			
INSIDE CORNER HORIZONTAL DETAIL			
		A	01-23-26
		REV:	DATE:
PANEL TYPE: WES-TRIX®		DETAIL #: WR-WSD-W26	



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NOTES:

CUSTOM TRIM

GAUGE: _____	COLOR: _____
BREAKS: _____	FINISH: _____
LENGTH: _____	STRETCH OUT: _____
MATERIAL: _____	
CUSTOM TRIM NAME: _____	
PANEL TYPE: WES-TRIX ®	REV: _____
	DATE: _____
DETAIL #: WR-WSD-CT28	



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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 within 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 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. It is best to consult your design engineer for recommendations. WSMR Recommends SharkSkin Ultra SA

Not all conditions require an underlayment, however, metal siding is susceptible to condensation and it is recommended that an appropriate underlayment be used on all wood substrates to protect the structure during installation.

Snow Design

Design and dimension 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 Western Reveal panels are 12". Please consult with your WSDI 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.³

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.

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.westernstatesmetalroofing.com

Limited Warranty Information

Copies of the Limited Warranty can be found on WSMR website www.westernstatesmetalroofing.com WSMR Recommends the use of Eco Edge Sealer or equal for all exposed cut edges. Limited Warranty will not cover Failures or damages resulting from edge corrosion.



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