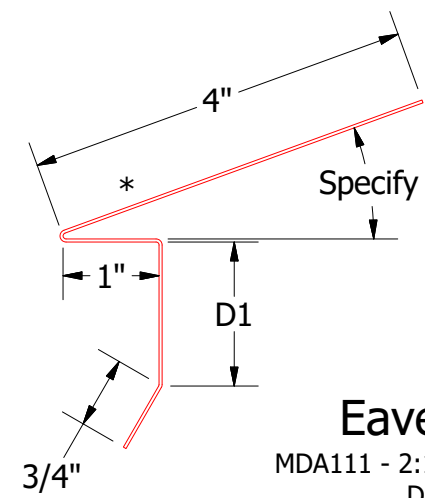
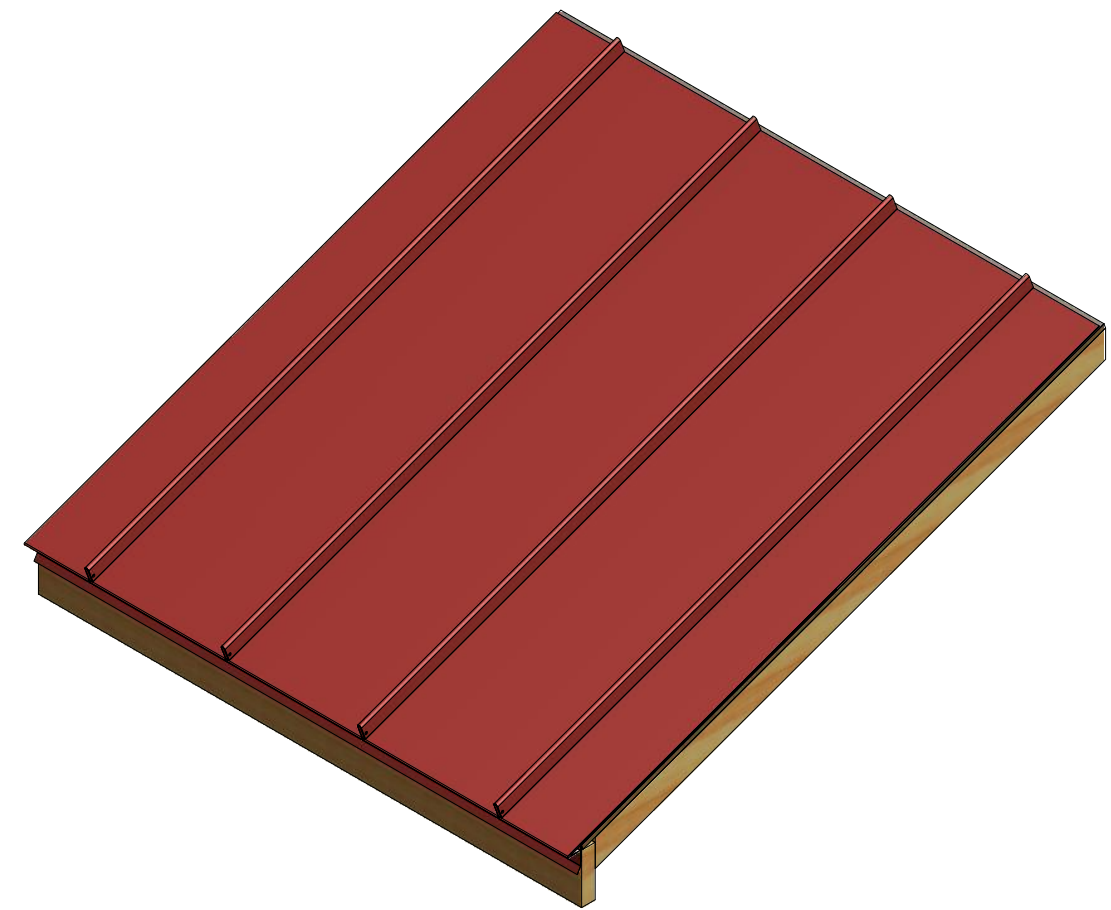
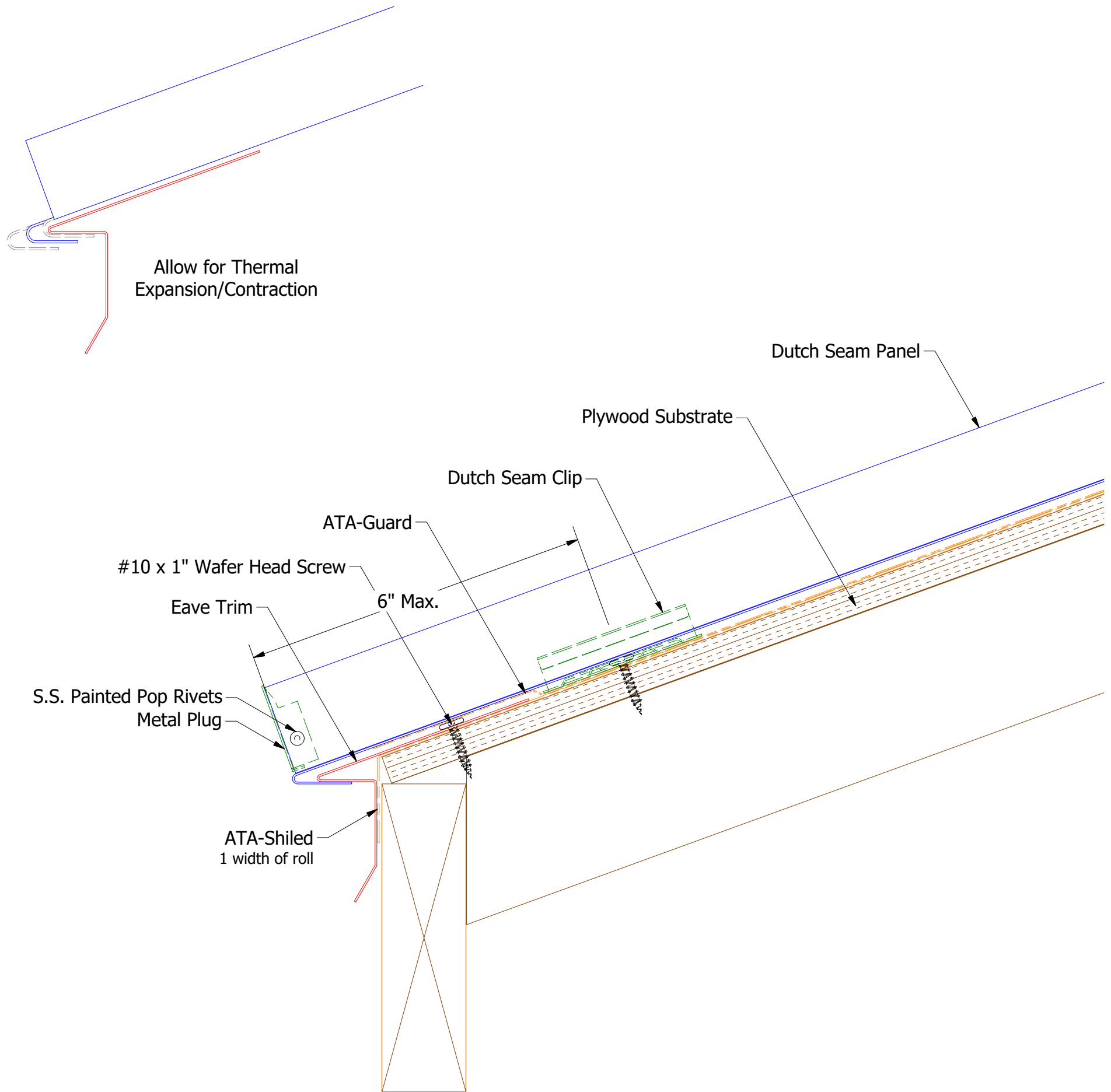


Positive Panel Interlock

					TITLE Dutch Seam Panel Profile Detail		
					DWG. NO.	DR KRK	DATE 1/29/2015
01	3/24/2022	Updated Detail to include Optional Seam Sealant	KRK		APP		DATE
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	MATERIAL	SH. SIZE B	SCALE X:X



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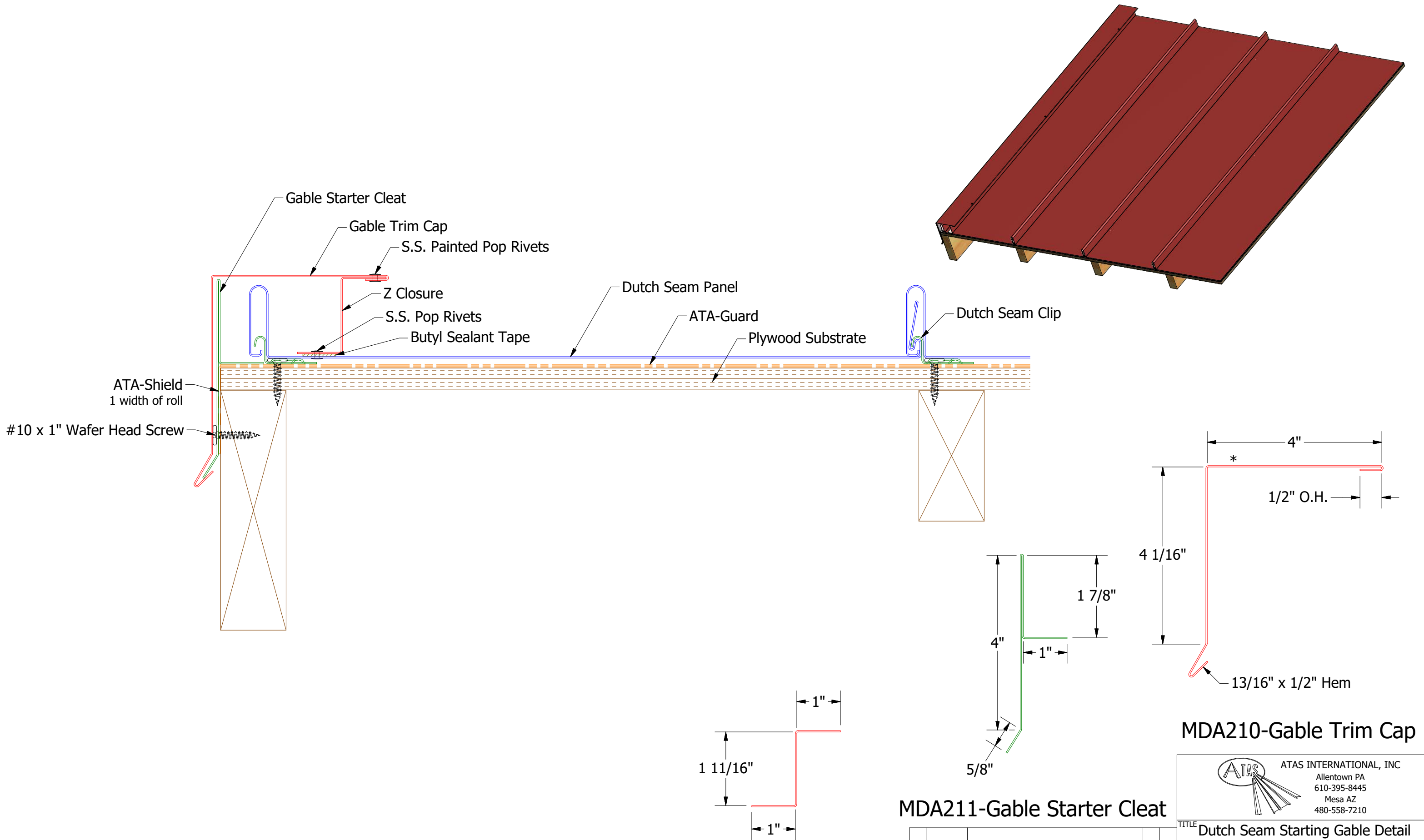


Eave Trim
MDA111 - 2:12 to 4:12 Slope
D1=1"
MDA112 - 4:12 to 8:12 Slope
D1 = 1 1/2"
MDA113 - 8:12 to 12:12 Slope
D1 = 2"



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TITLE					Dutch Seam Eave Detail		
02	5/29/2019	Updated Clip Description	KRK		DWG. NO.	DR KRK	DATE 1/27/2015
01	6/7/2017	Updated Substrate and Underlayment	KRK		APP		DATE
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	MATERIAL	SH. SIZE B	SCALE X:X

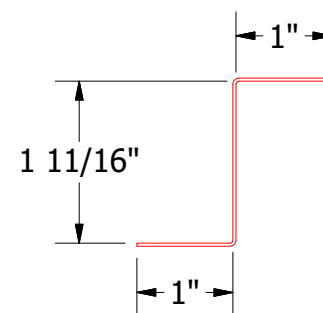
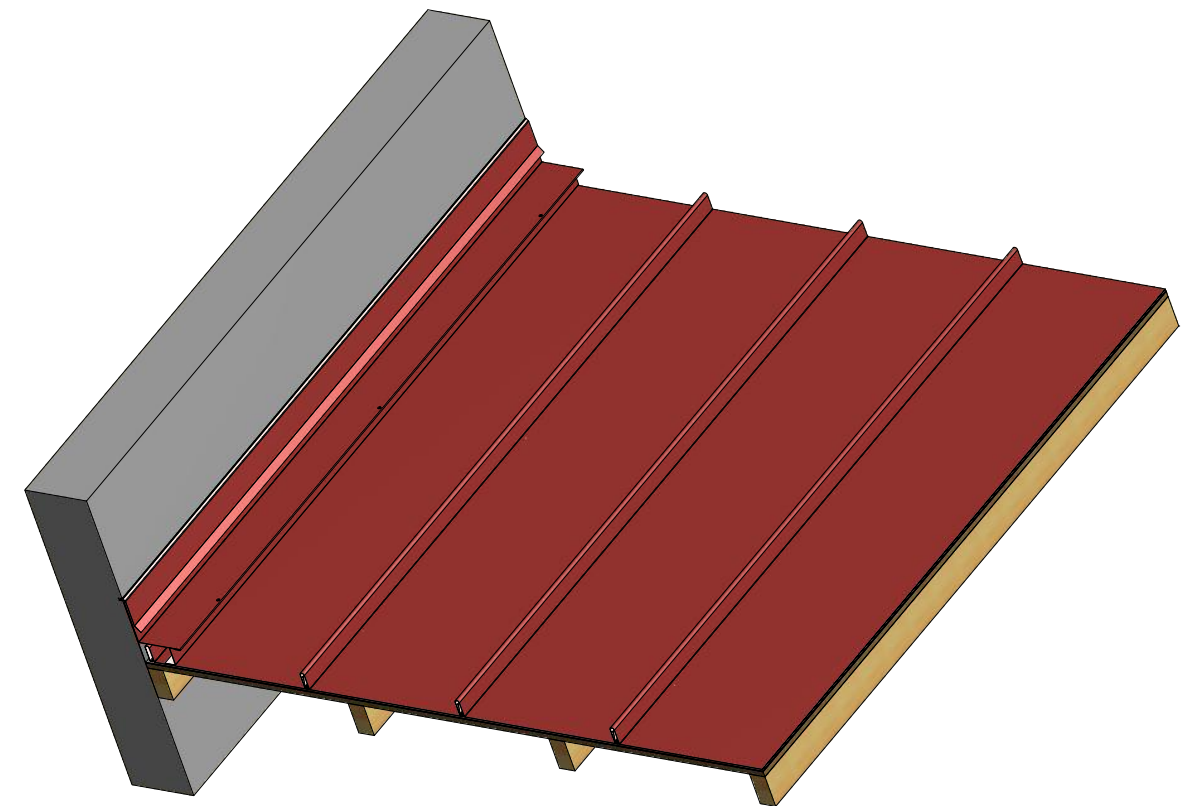
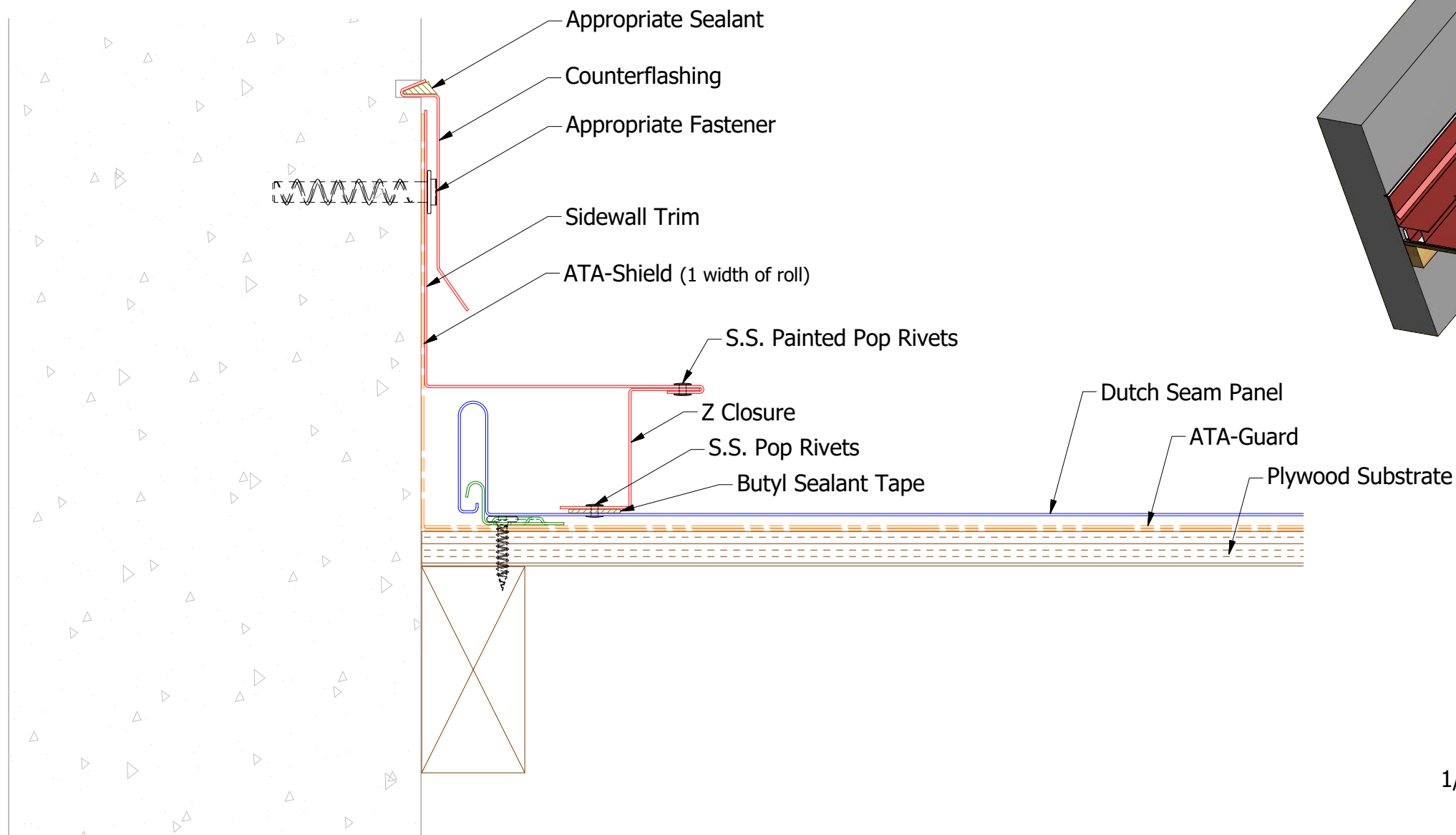


Note: * denotes color side.

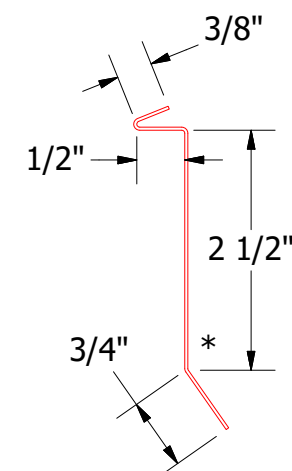
MDA211-Gable Starter Cleat

MDA210-Gable Trim Cap

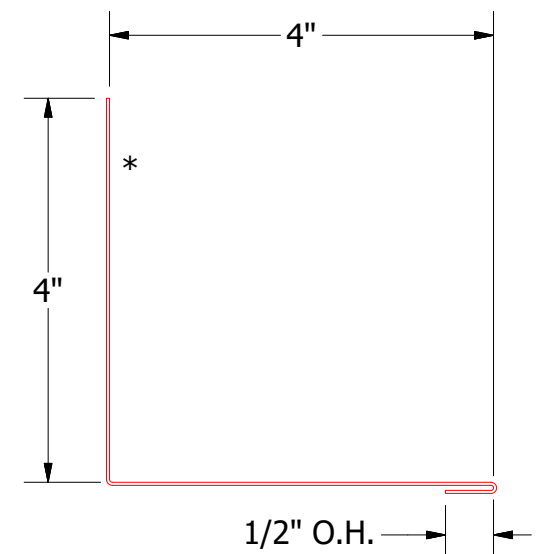
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DWG. NO.		DR		DATE		2/3/2015	
01		5/29/2019		Updated Clip Information		AJZ KRK	
REV. NO.		DATE		DESCRIPTION OF REVISION		BY APP	
MATERIAL		SH. SIZE		SCALE		X:X	
		B					



MDA910 - Z Closure



MDA980 - Counterflashing

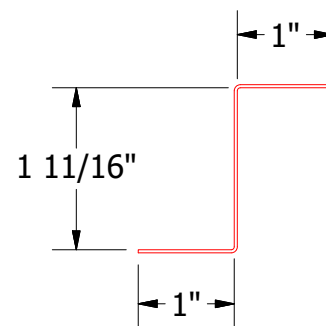
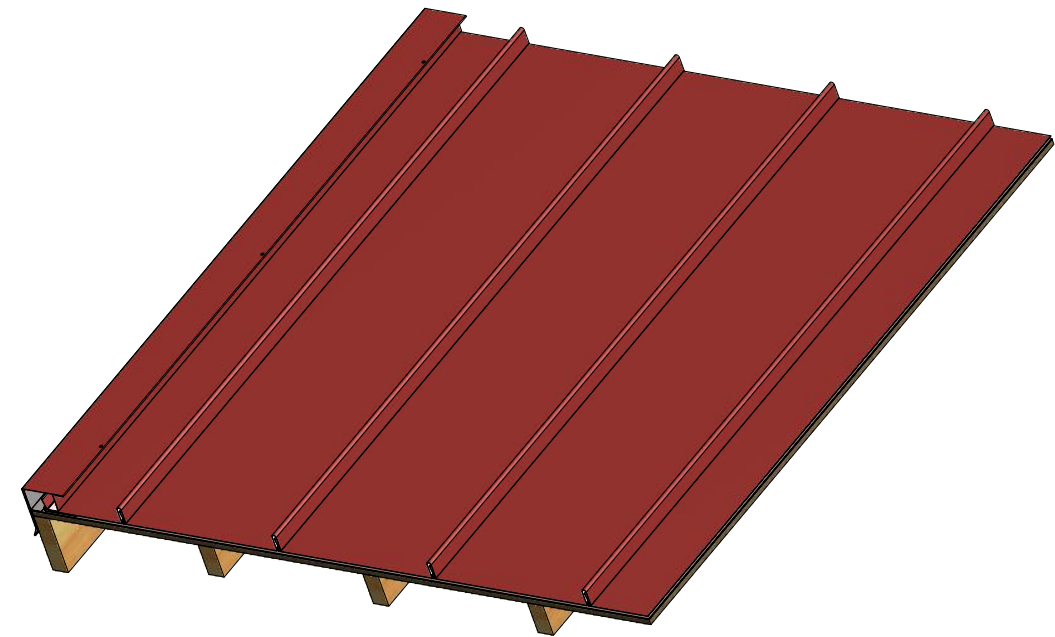
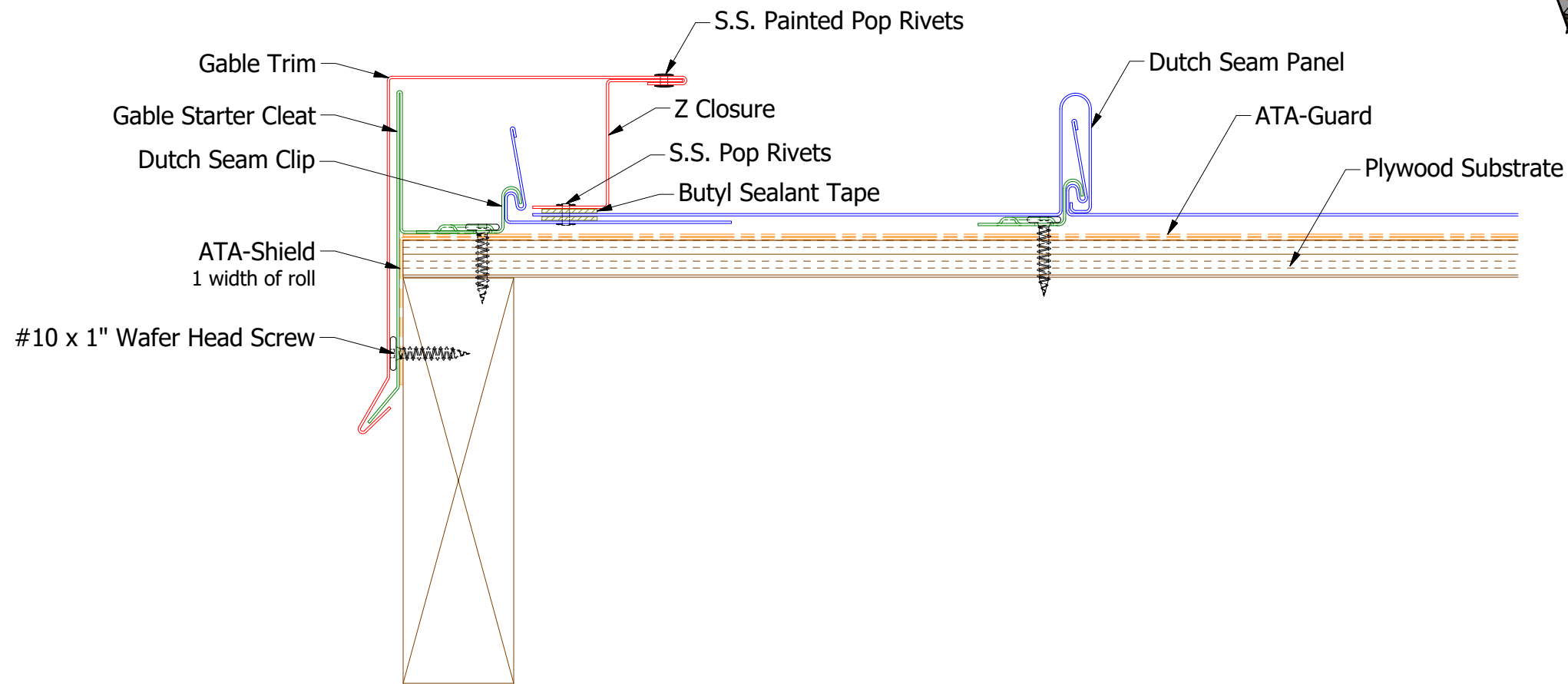


MDA410 - Sidewall Trim

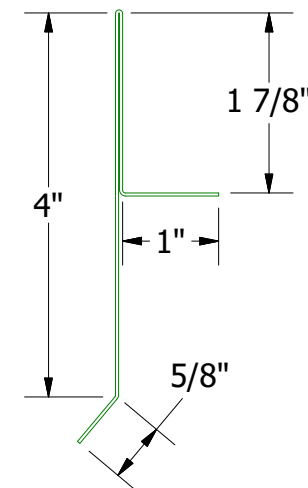
Note: * denotes color side.

TITLE				Dutch Seam Starting Sidewall Detail			
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	DWG. NO.		
					MATERIAL		
01	5/29/2019	Updated Clip Information	AJZ	KRK	DR		
					APP		
					SH. SIZE		
					SCALE		
					B		
					X:X		

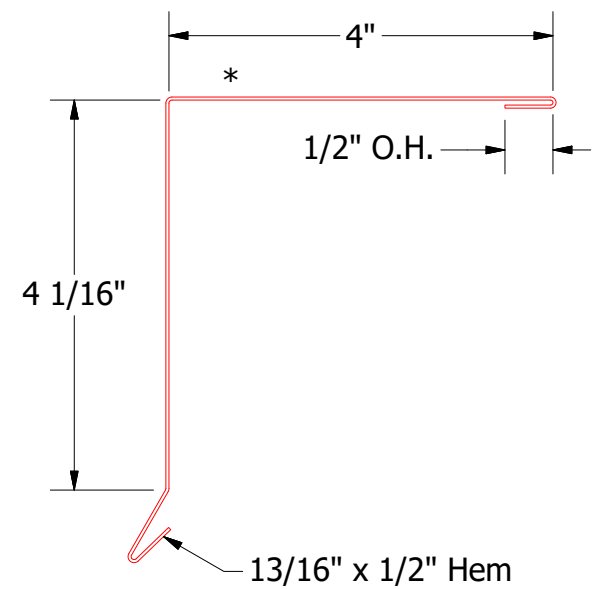
ATAS ATAS INTERNATIONAL, INC
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 610-395-8445
 Mesa AZ
 480-558-7210



MDA910-Z Closure



MDA211-Gable Starter Cleat



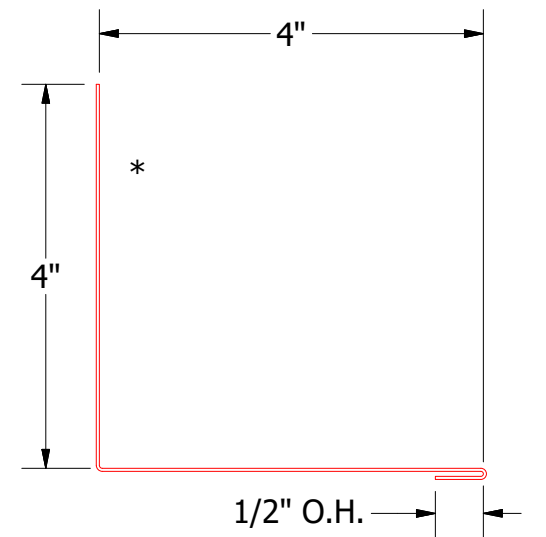
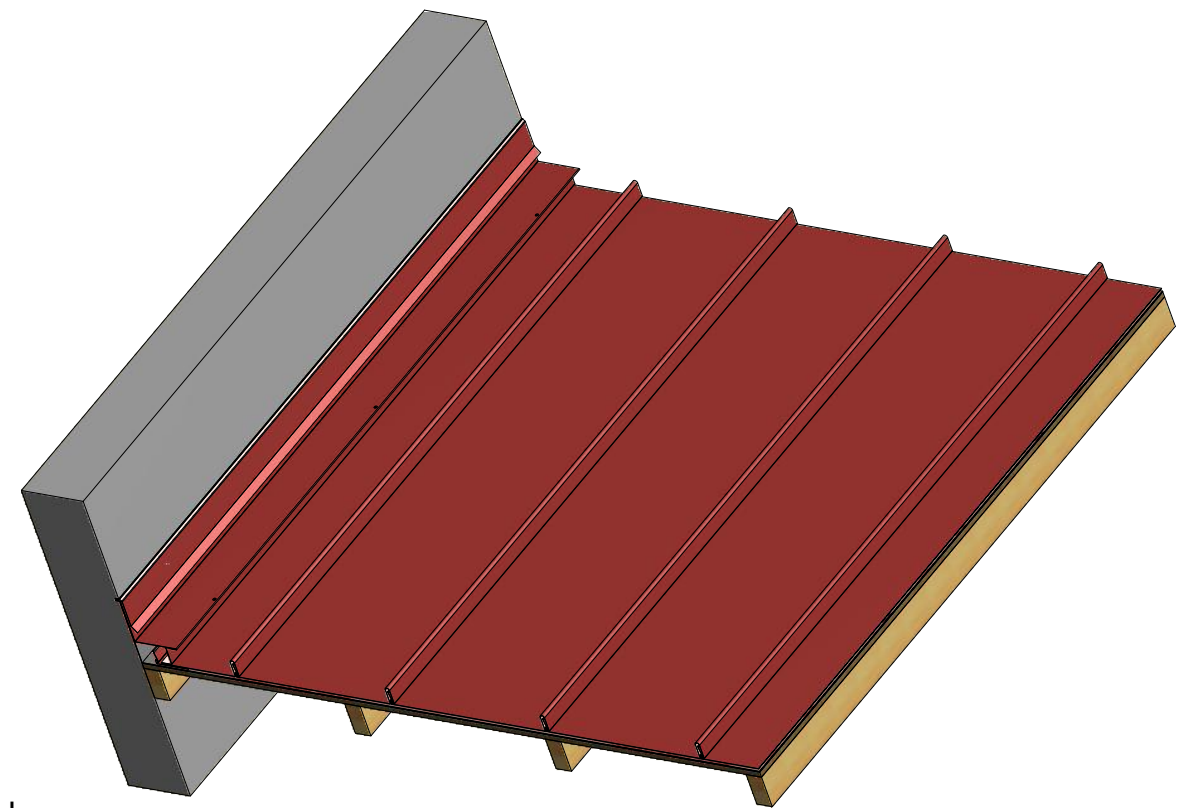
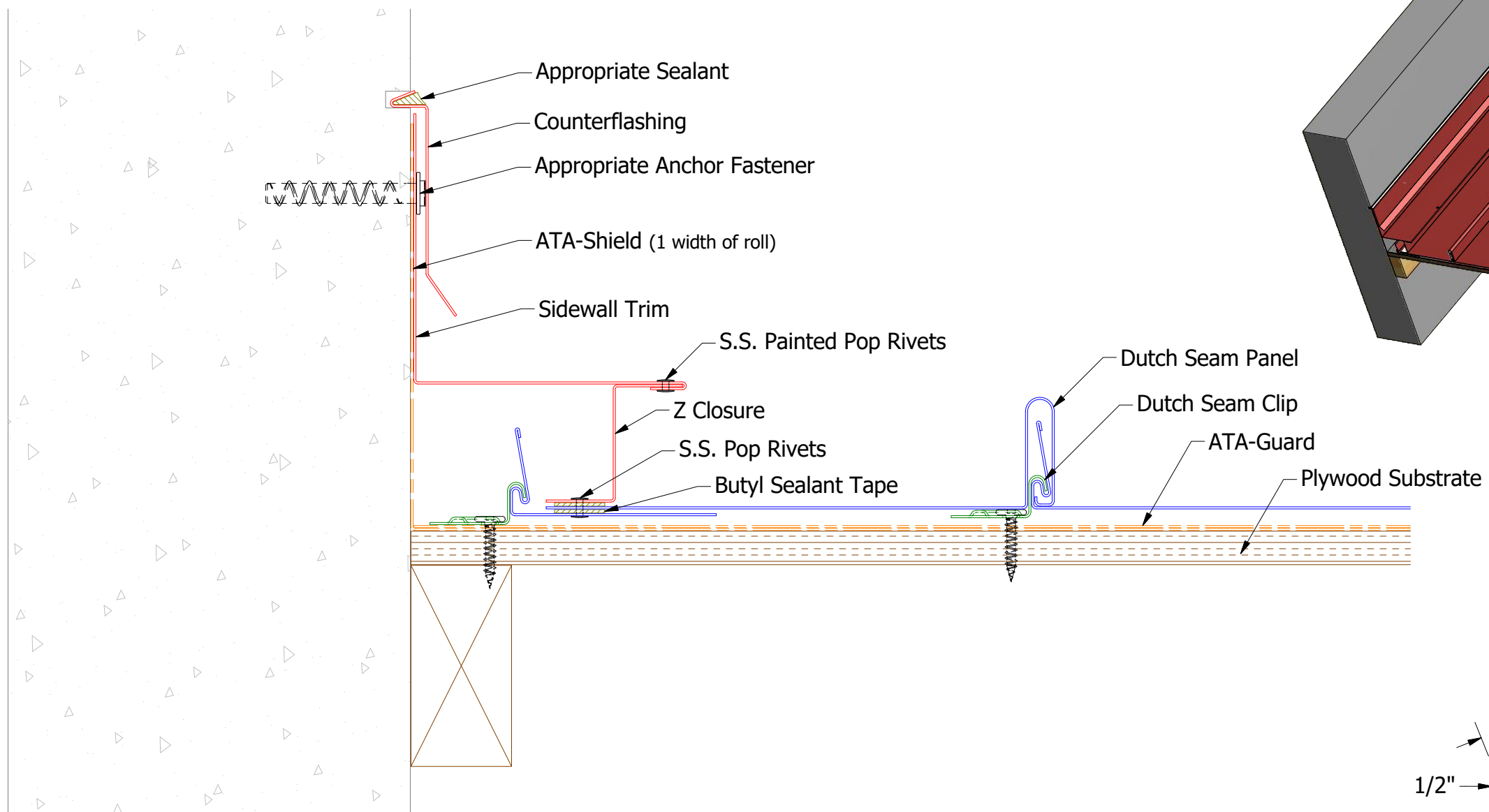
MDA210-Gable Trim Cap

Note: * denotes color side.

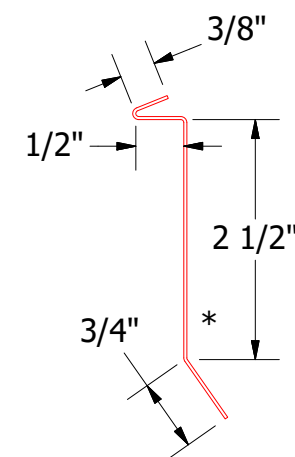
03	5/29/2019	Updated Clip Information	AJZ	KRK
02	2/8/2018	Updated ATA Shield Installation	KRK	
01	6/7/2017	Updated Trim Hems	KRK	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP

TITLE		Dutch Seam Ending Gable Detail	
DWG. NO.		DR	KRK
		APP	
SH. SIZE	B	SCALE	X:X

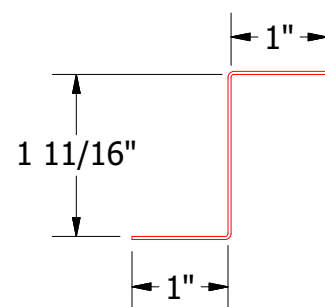
ATAS INTERNATIONAL, INC
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MDA410 - Sidewall Trim



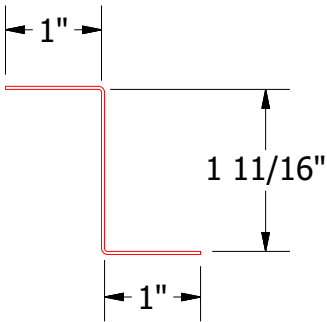
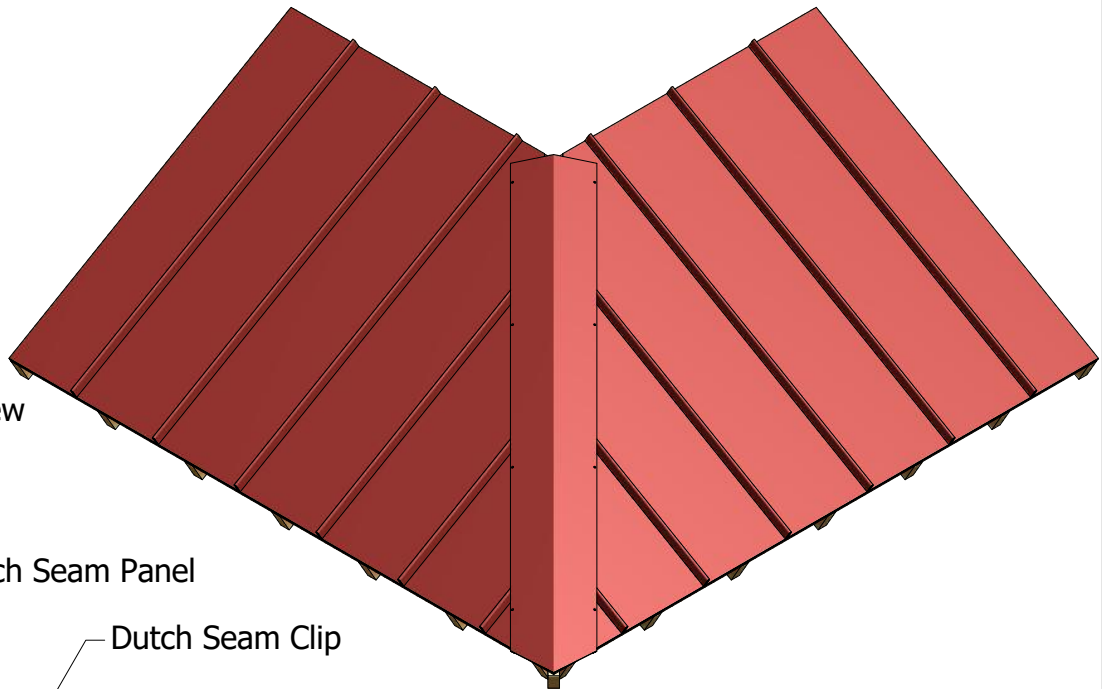
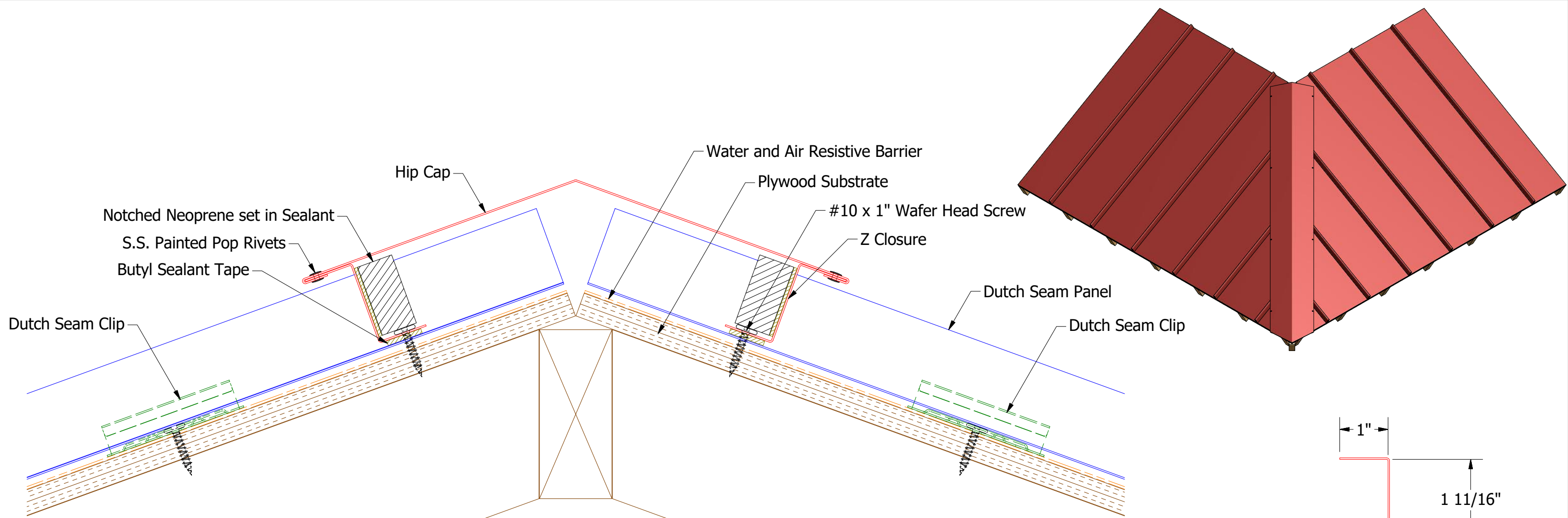
MDA980 - Counterflashing



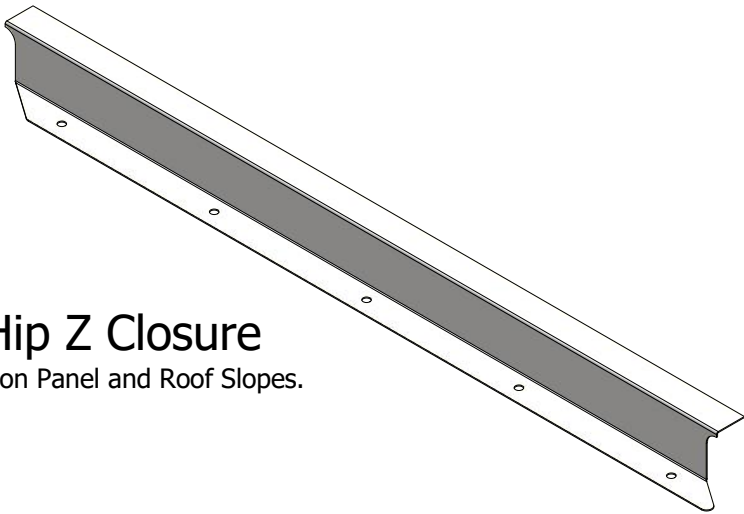
MDA910 - Z Closure

Note: * denotes color side.

		ATAS INTERNATIONAL, INC Allentown PA 610-395-8445 Mesa AZ 480-558-7210	
		Dutch Seam Ending Sidewall Detail	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY APP
02	5/29/2019	Updated Clip Information	AJZ KRK
01	6/7/2017	Updated Trim Hem	KRK

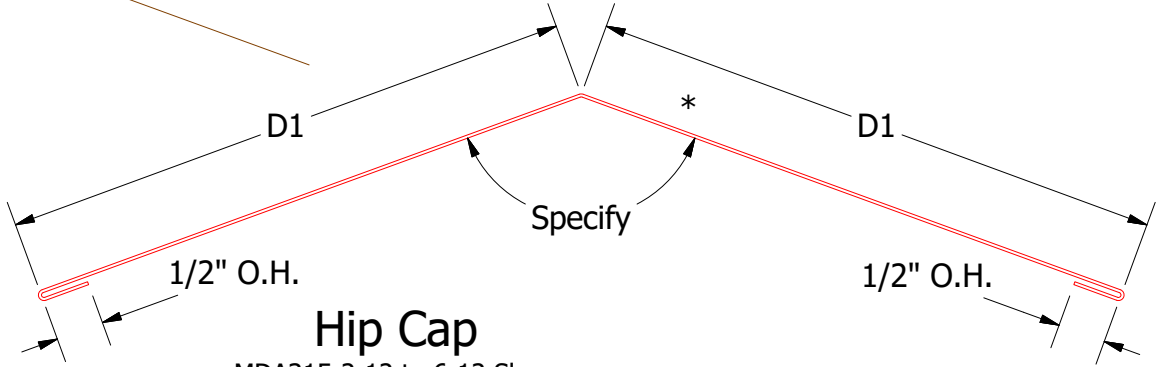


MDA910-Z Closure



Factory Pre Notched Hip Z Closure

*Right and Left sides are made depending on Panel and Roof Slopes.



Hip Cap

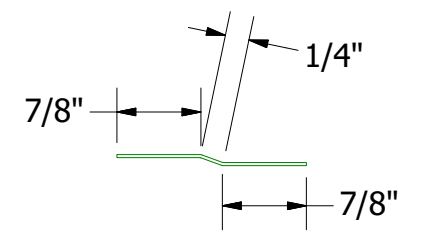
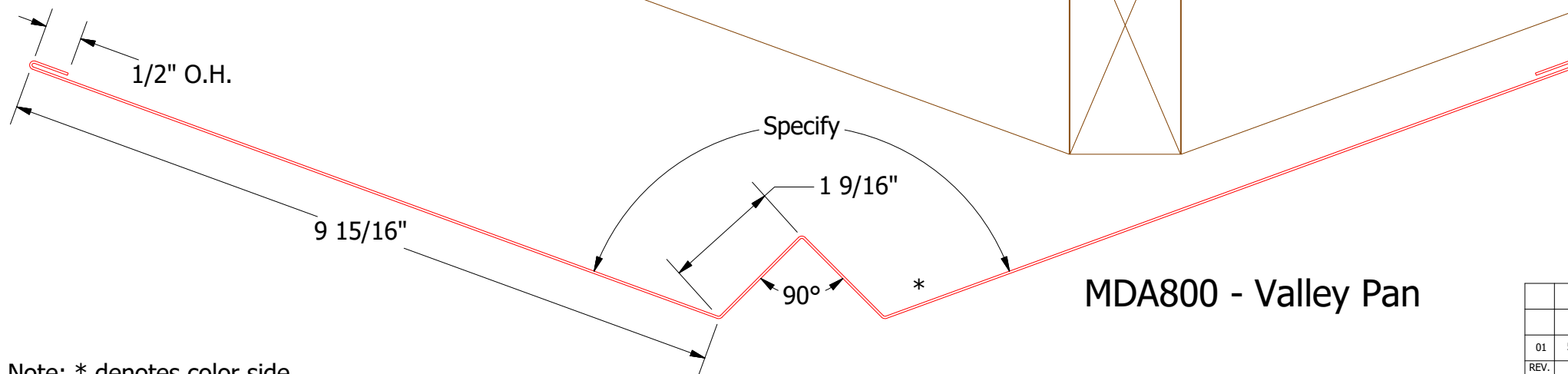
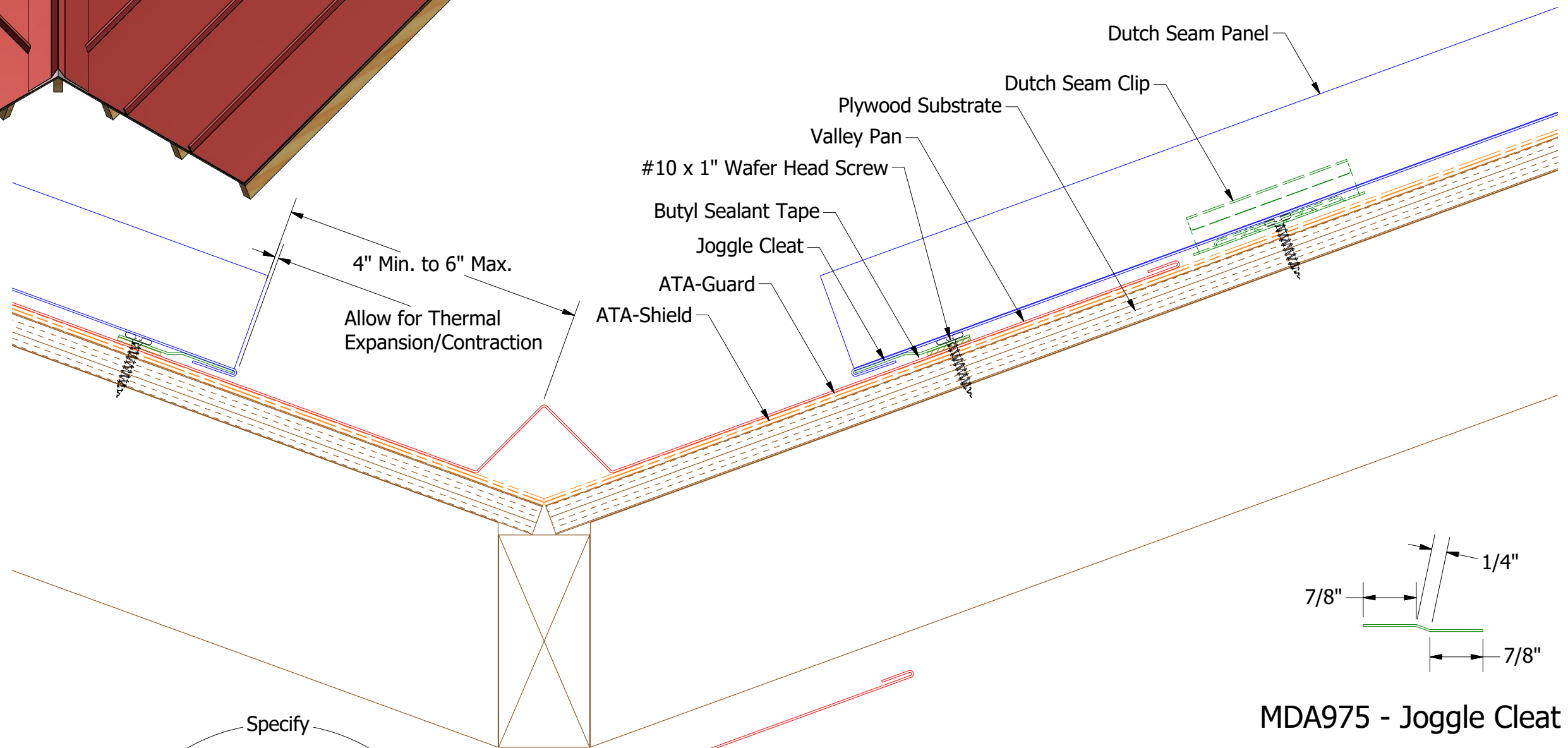
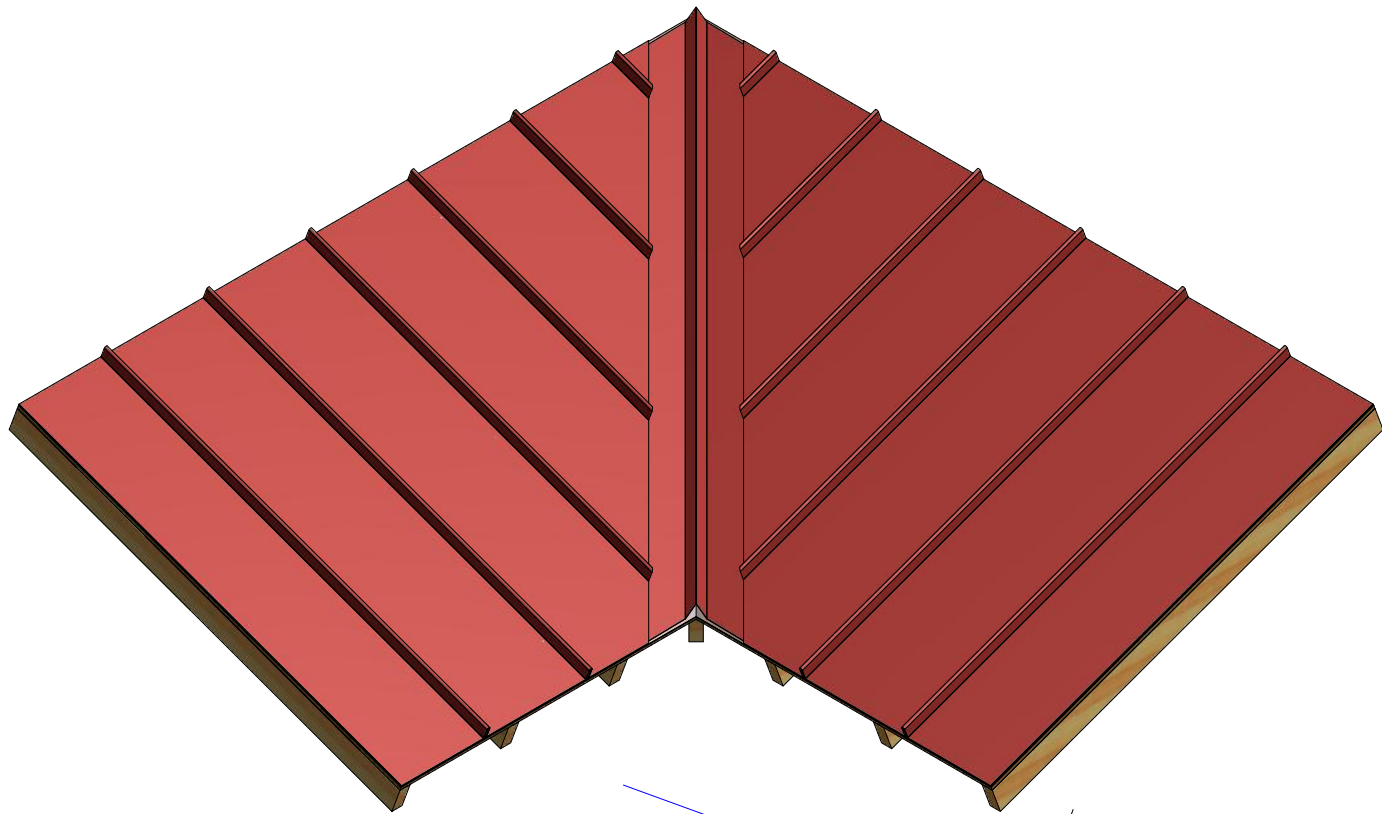
- MDA315-2:12 to 6:12 Slope
D1=6"
- MDA316-6:12 to 9:12 Slope
D1=7"
- MDA317-9:12 to 12:12 Slope
D1=8"

Note: * denotes color side
Note: Neoprene Closures are not required if Factory Pre Notched Hip Z Closures are utilized.

						TITLE Dutch Seam Hip Detail	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	DWG. NO.		DR
					MATERIAL		DATE
01	5/29/2019	Updated Clip Information	AJZ	KRK			1/28/2015
					SH. SIZE		SCALE
					B		X:X



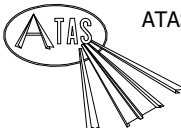
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MDA975 - Joggle Cleat

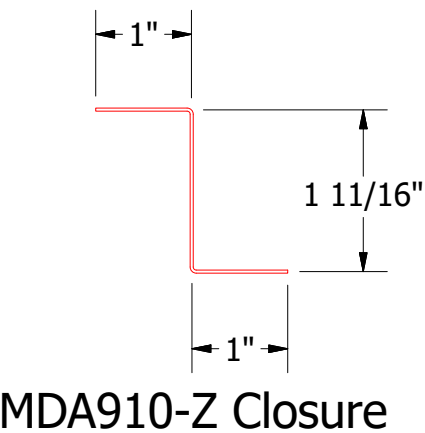
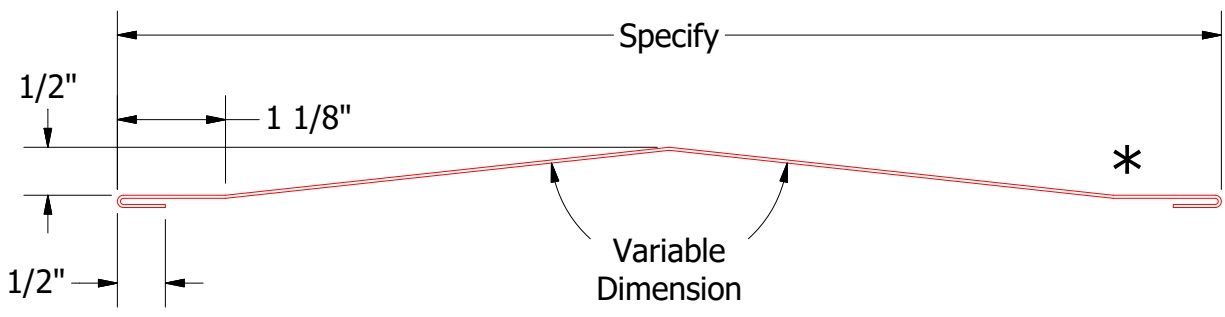
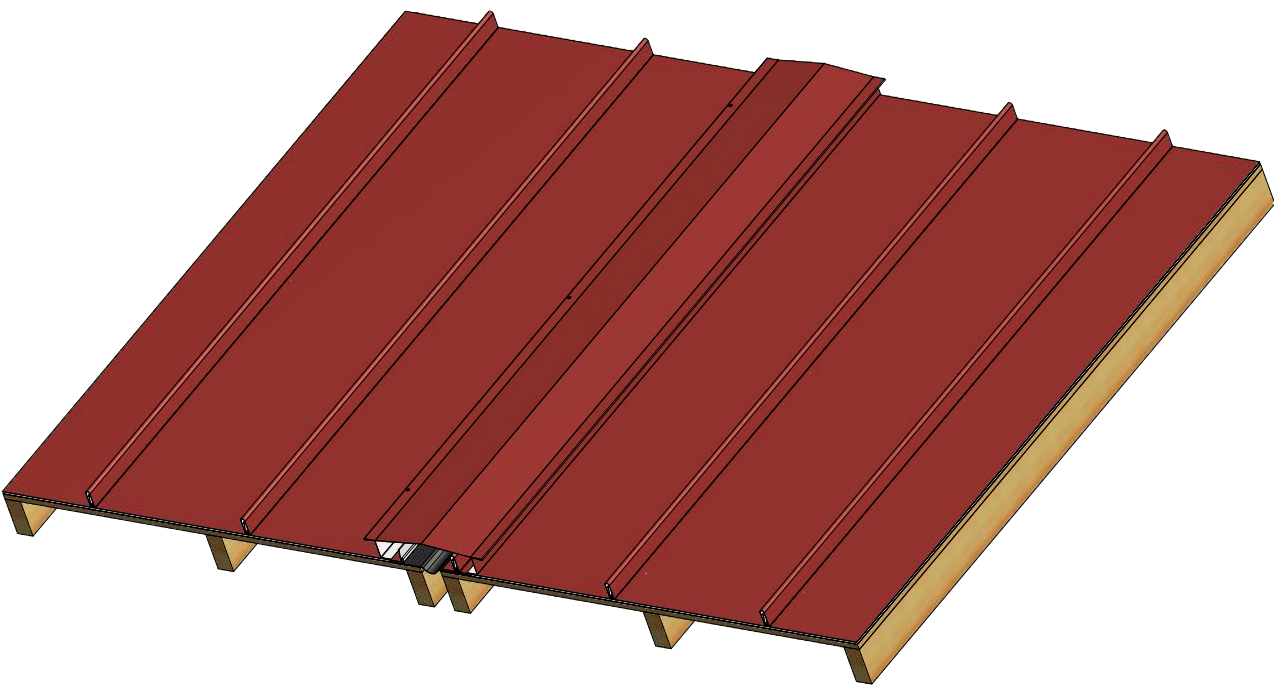
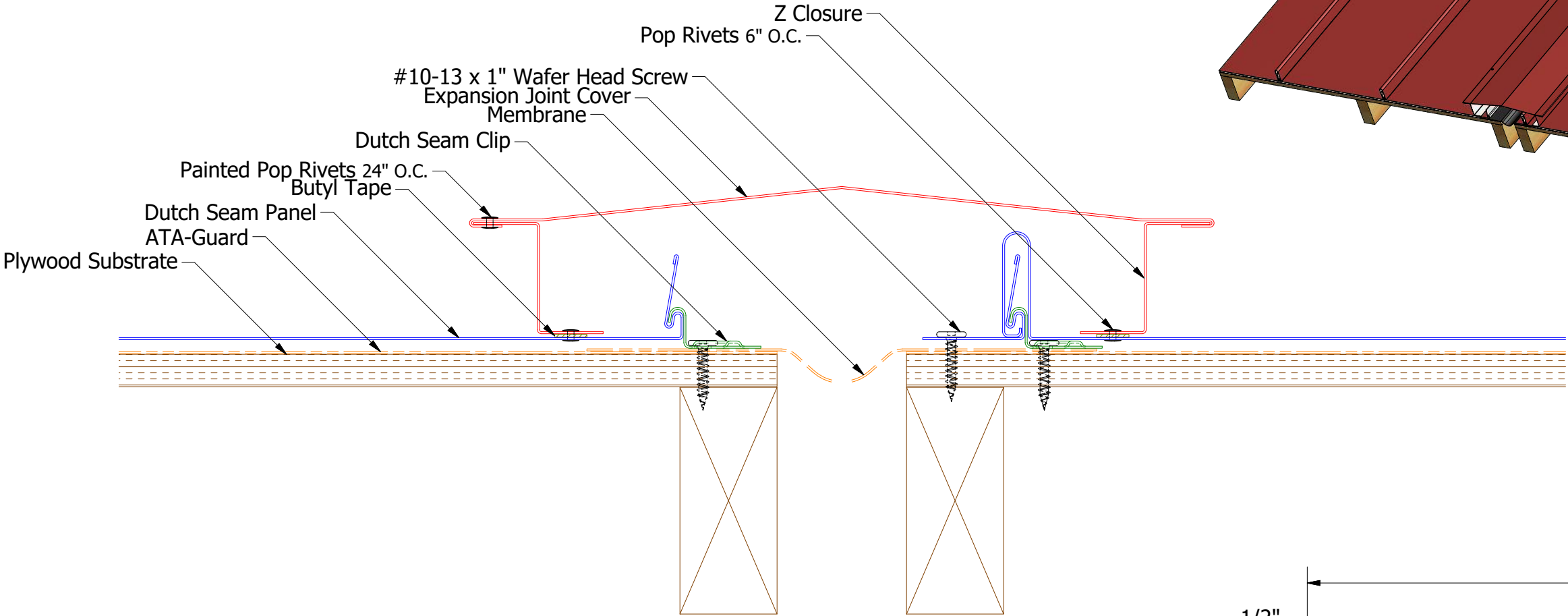
MDA800 - Valley Pan

Note: * denotes color side.



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TITLE			Dutch Seam Valley Detail		
DWG. NO.		DR	KRK	DATE	2/3/2015
REV. NO.		DATE	DESCRIPTION OF REVISION	BY	APP
01	5/29/2019		Updated Clip Information	AJZ	KRK
MATERIAL		SH. SIZE	B	SCALE	X:X

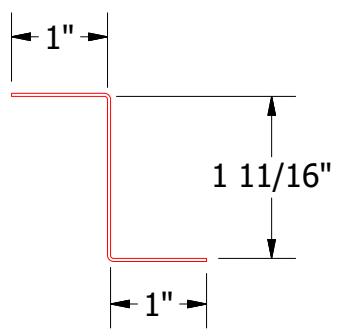
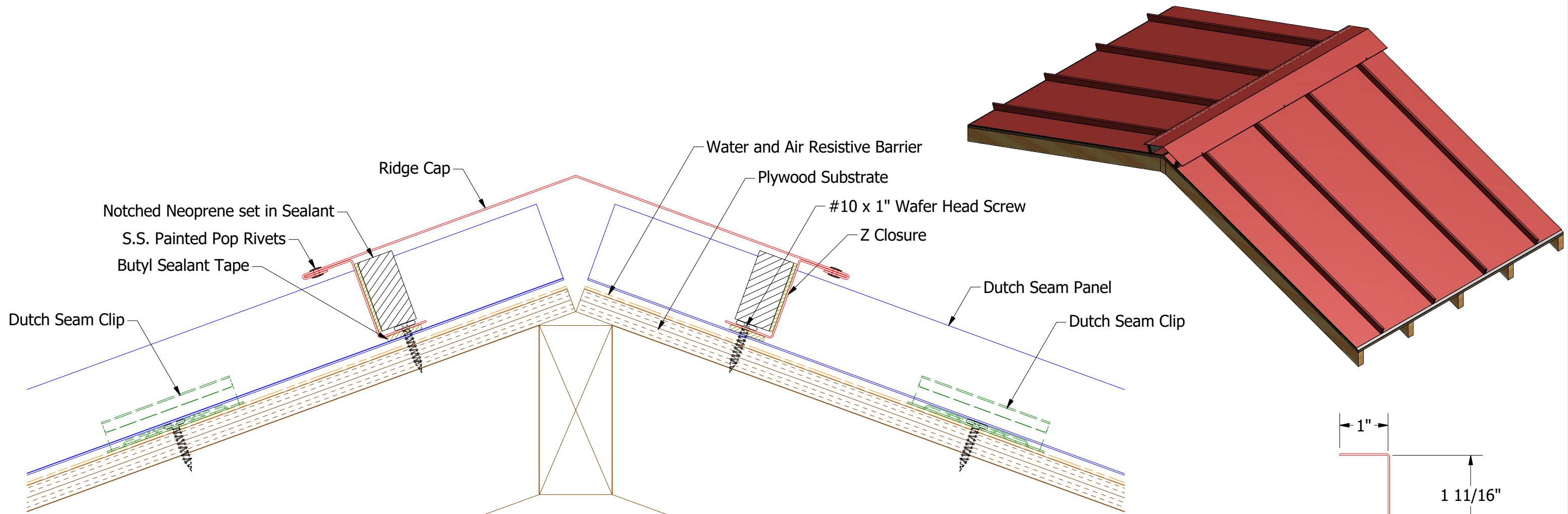


Note: * denotes color side.

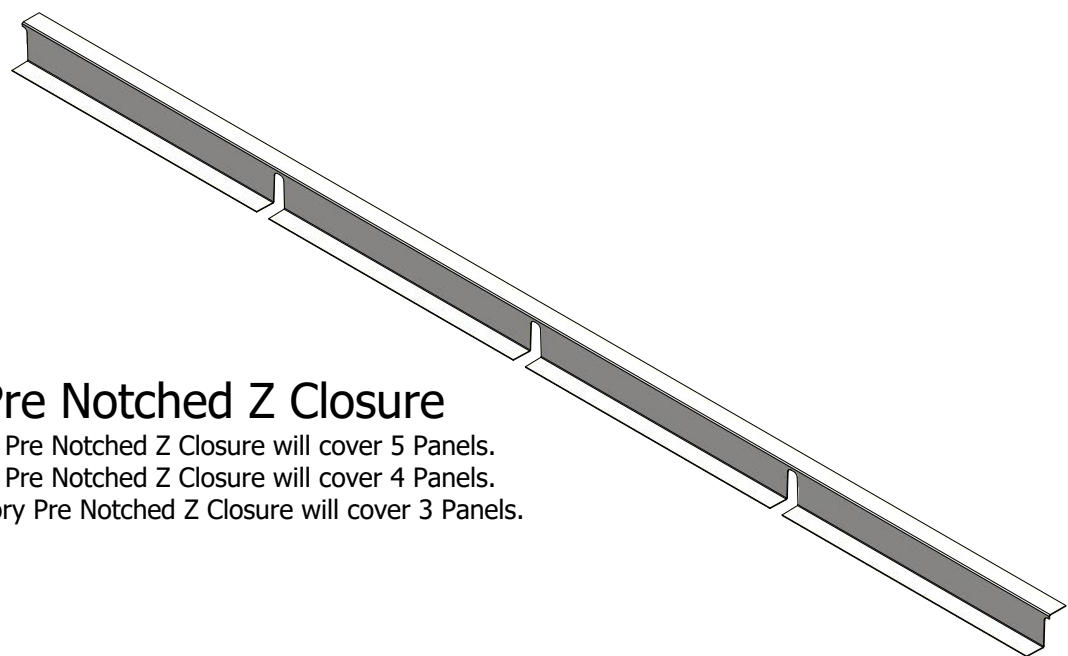
MDA939-Expansion Joint Cover

MDA910-Z Closure

				<div><div><div>ATAS</div><div>ATAS INTERNATIONAL, INC</div><div>Allentown PA</div><div>610-395-8445</div><div>Mesa AZ</div><div>480-558-7210</div></div></div>			
				TITLE Dutch Seam Expansion Joint Detail			
				DWG. NO.		DR	DATE
						KRK	2/6/2015
				APP		DATE	
01				5/29/2019			
REV. NO.				DATE		BY	
				DESCRIPTION OF REVISION		APP	
						SH. SIZE	
						B	
						SCALE	
						X:X	

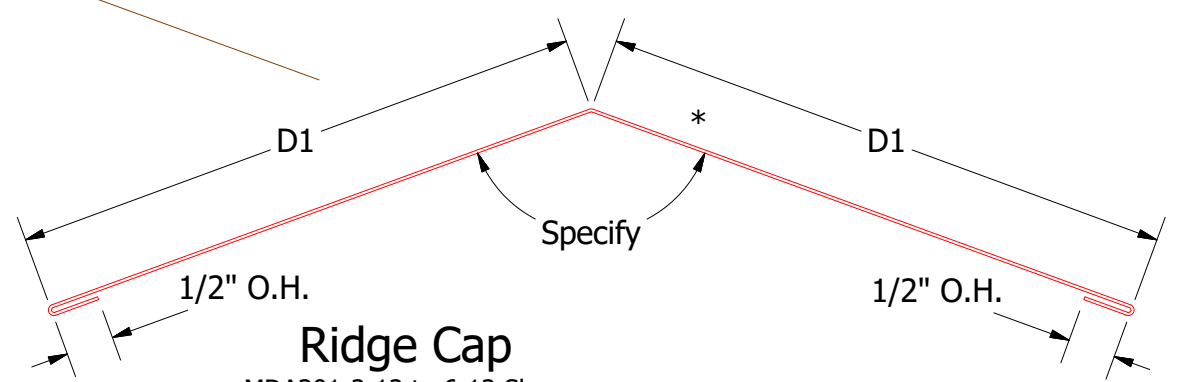


MDA910-Z Closure



Factory Pre Notched Z Closure

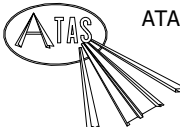
- 11" Panel - Factory Pre Notched Z Closure will cover 5 Panels.
- 15" Panel - Factory Pre Notched Z Closure will cover 4 Panels.
- 19 1/4" Panel - Factory Pre Notched Z Closure will cover 3 Panels.



Ridge Cap

- MDA301-2:12 to 6:12 Slope D1=6"
- MDA302-6:12 to 9:12 Slope D1=7"
- MDA303-9:12 to 12:12 Slope D1=8"

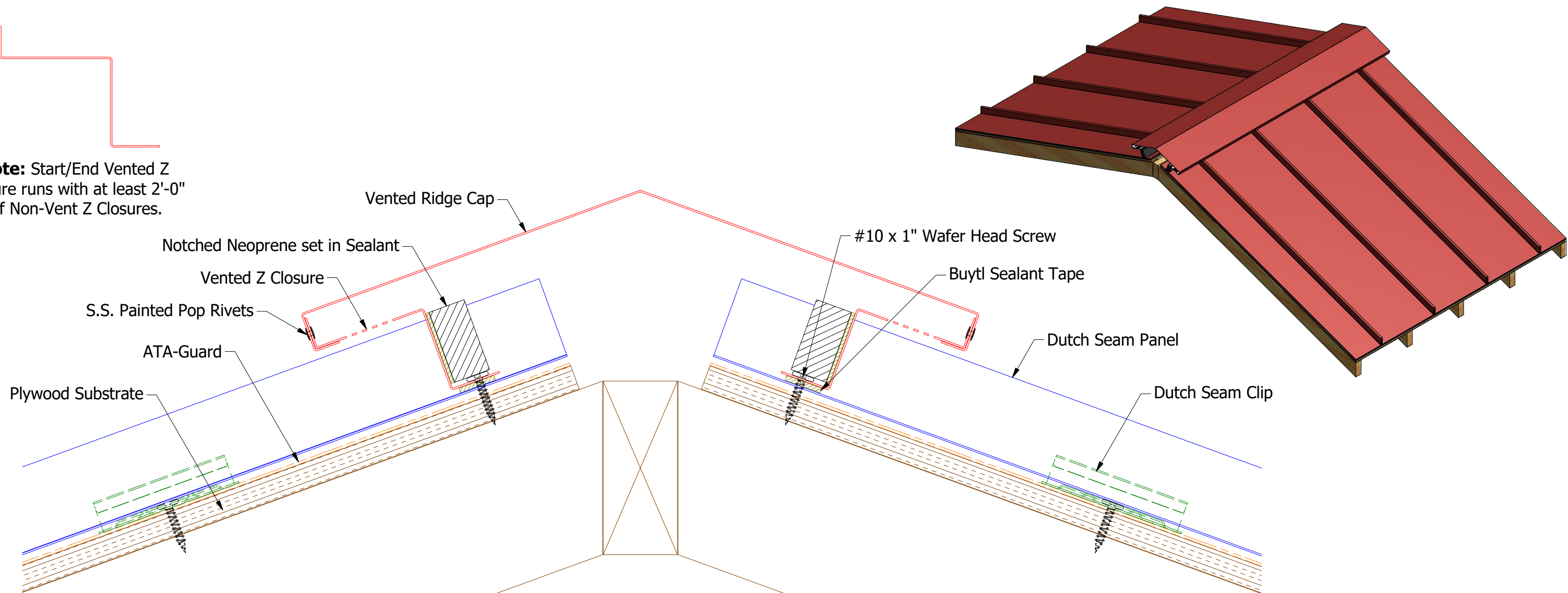
Note: * denotes color side
Note: Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.



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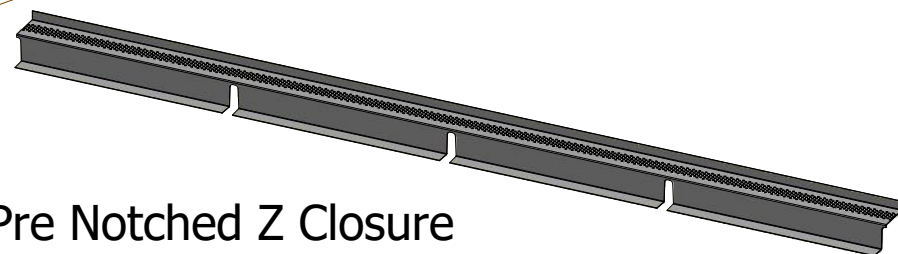
TITLE			Dutch Seam Ridge Detail		
DWG. NO.		DR		KRK	DATE
01		5/29/2019		Updated Clip Information	
REV. NO.		DATE		DESCRIPTION OF REVISION	
BY		APP		MATERIAL	
SH. SIZE		B		SCALE	
				X:X	

Note: Start/End Vented Z Closure runs with at least 2'-0" of Non-Vent Z Closures.



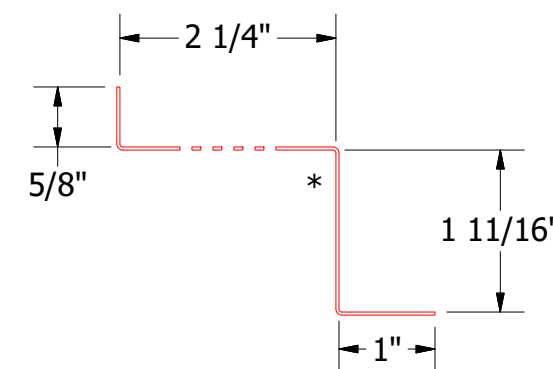
Factory Vented Pre Notched Z Closure

- 11" Panel** - Factory Vented Pre Notched Z Closure will cover 5 Panels.
- 15" Panel** - Factory Vented Pre Notched Z Closure will cover 4 Panels.
- 19 1/4" Panel** - Factory Vented Pre Notched Z Closure will cover 3 Panels.

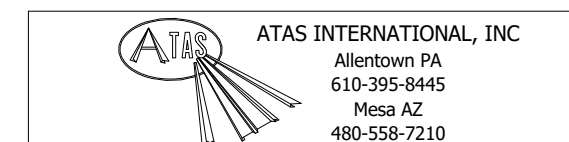


Vented Ridge Cap

- MDA322-2:12 to 6:12 Slope
D1=7 1/4"
- MDA324-6:12 to 9:12 Slope
D1=8 1/4"
- MDA326-9:12 to 12:12 Slope
D1=9 1/4"



MDA911-Vented Z Closure

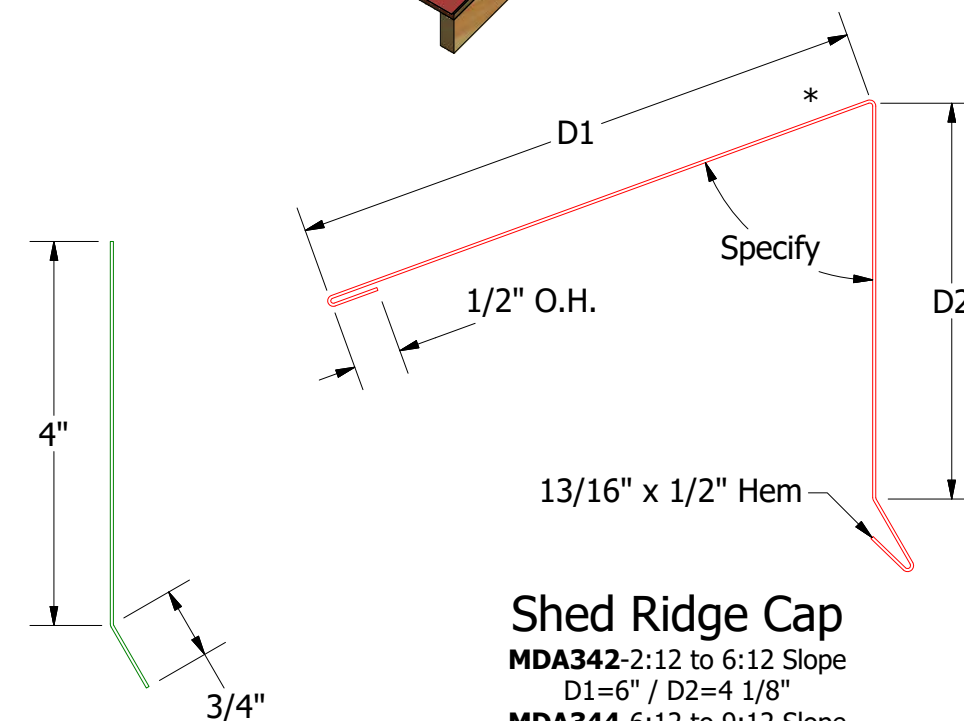
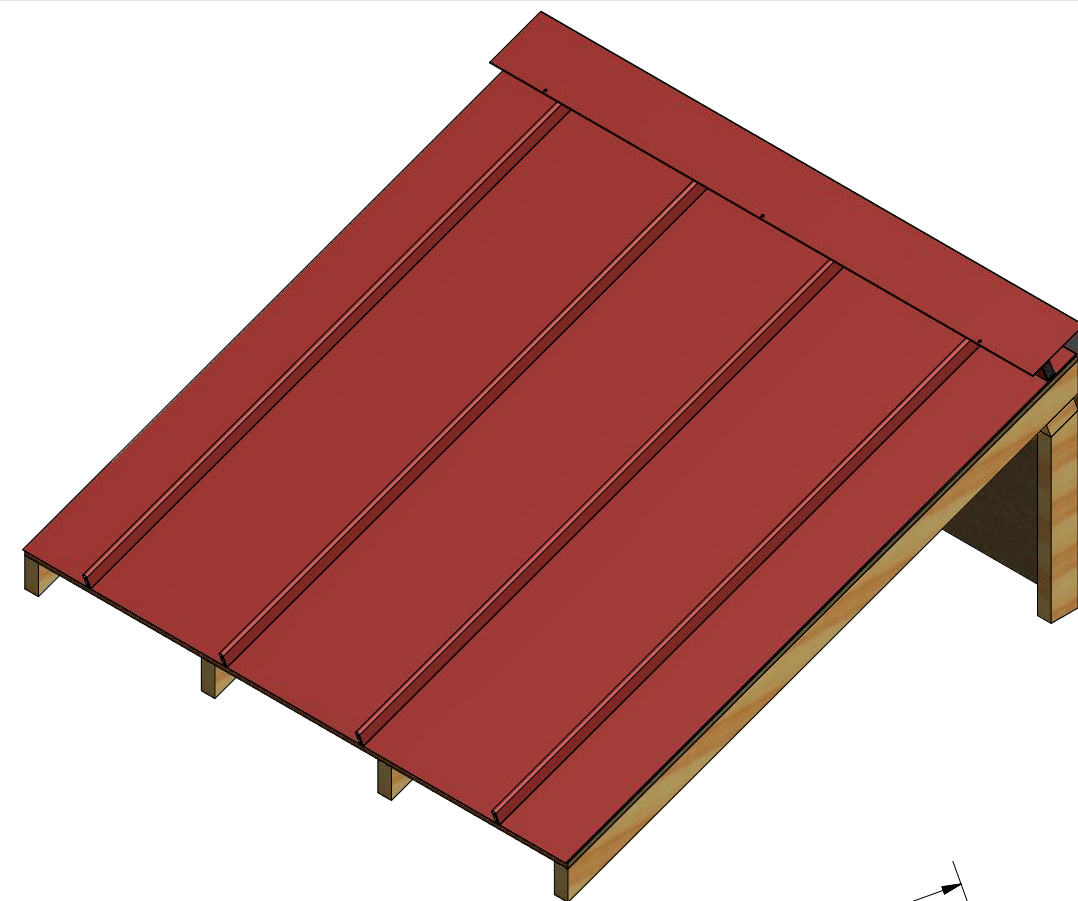
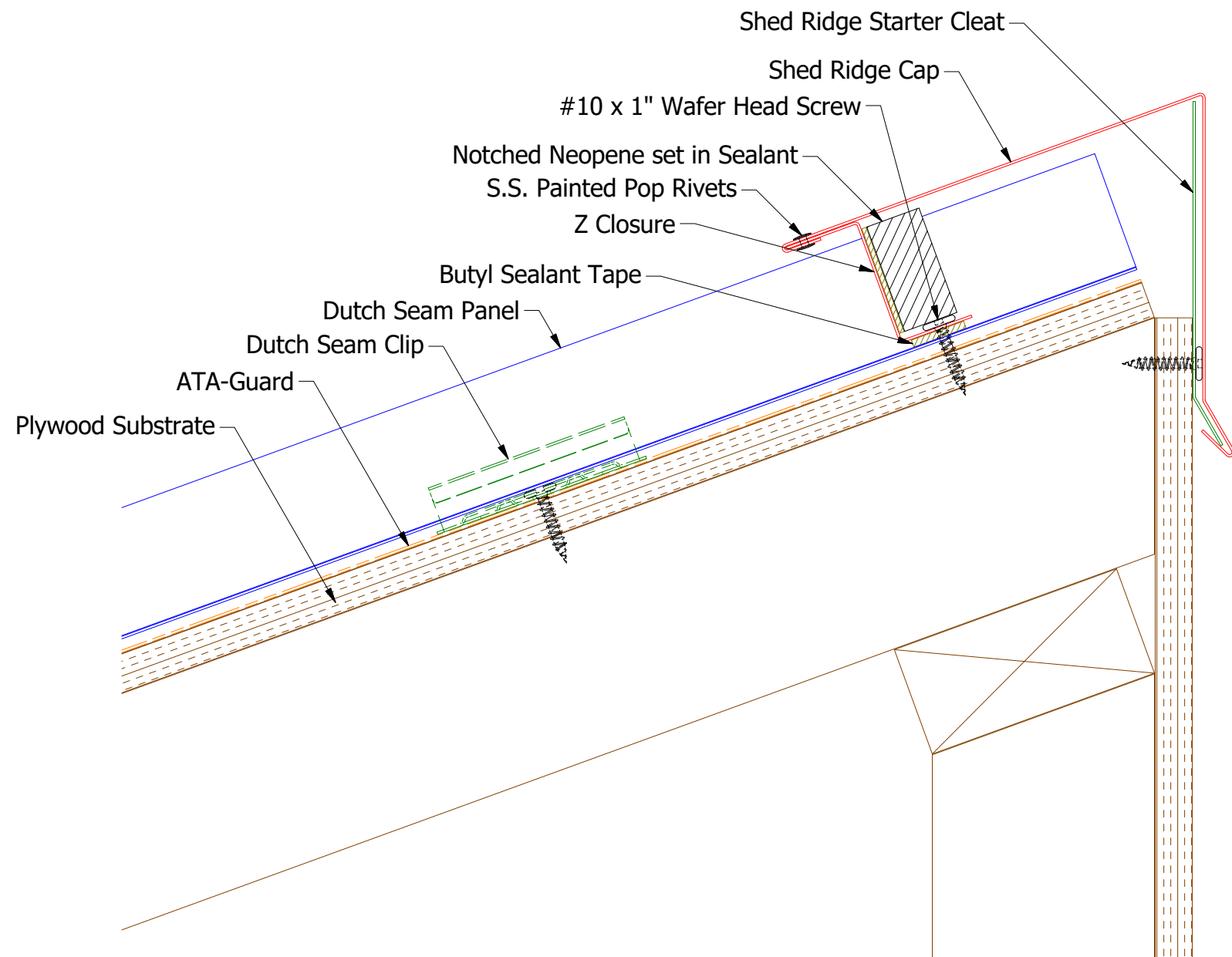


Dutch Seam Vented Ridge Detail

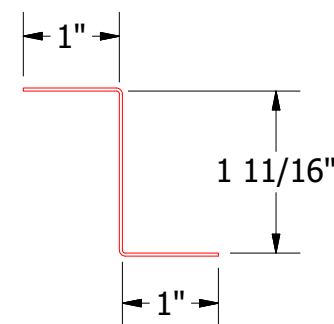
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01		KRK		2/5/2015	
REV. NO.		DATE		SCALE	
01		5/29/2019		B	
DESCRIPTION OF REVISION		BY		APP	
Updated Clip Information		AJZ		KRK	

Note: * denotes color side.

Note: Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.



Factory Pre Notched Z Closure
11" Panel - Factory Pre Notched Z Closure will cover 5 Panels.
15" Panel - Factory Pre Notched Z Closure will cover 4 Panels.
19 1/4" Panel - Factory Pre Notched Z Closure will cover 3 Panels.



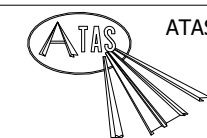
MDA910 - Z Closure

Shed Ridge Starter Cleat

- MDA341**-2:12 to 6:12 Slope
D1=4"
- MDA348**-6:12 to 9:12 Slope
D1=4 1/4"
- MDA349**-9:12 to 12:12 Slope
D1=4 1/2"

Shed Ridge Cap

- MDA342**-2:12 to 6:12 Slope
D1=6" / D2=4 1/8"
- MDA344**-6:12 to 9:12 Slope
D1=7" / D2=4 3/8"
- MDA346**-9:12 to 12:12 Slope
D1=8" / D2=4 5/8"



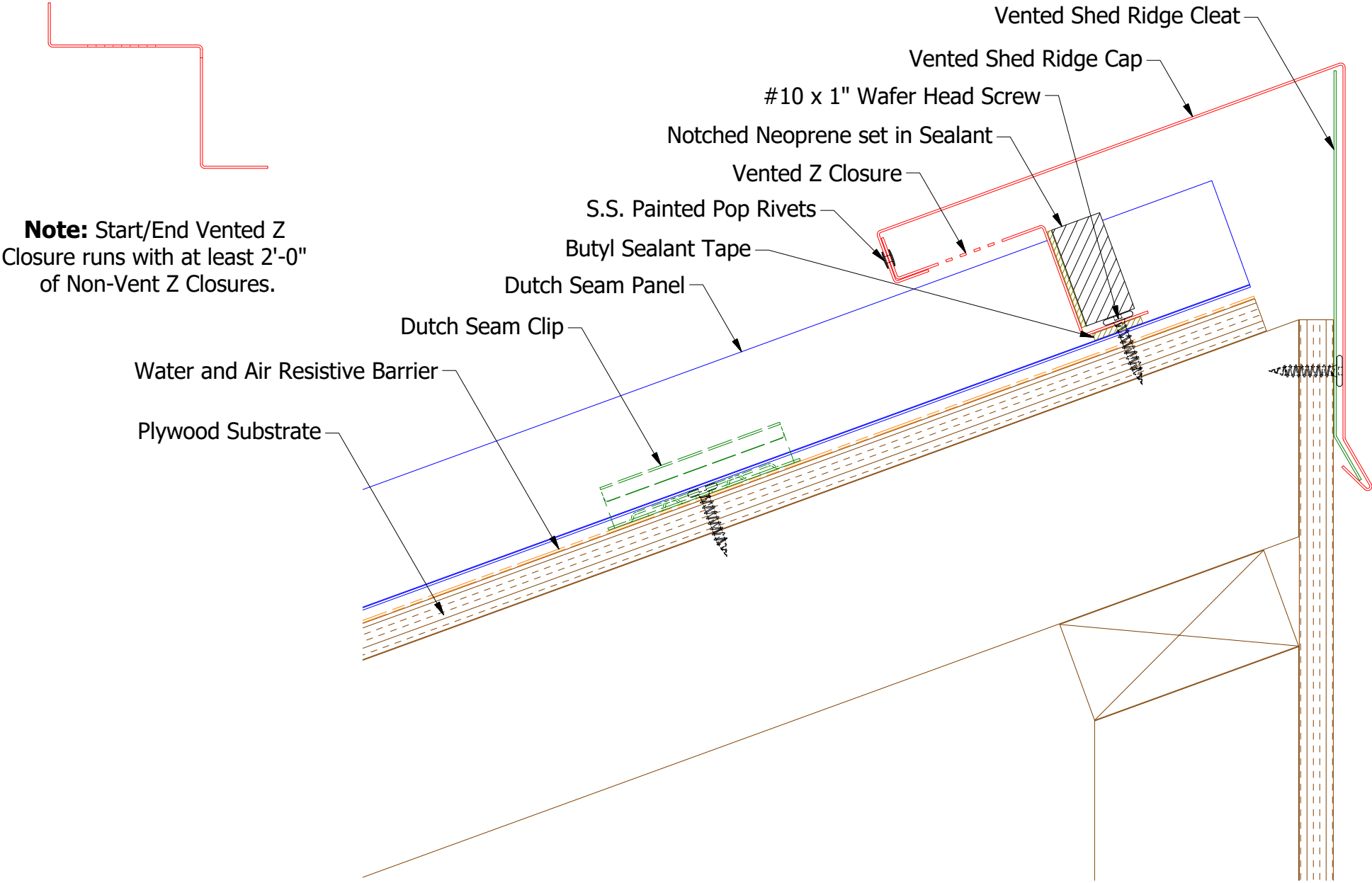
ATAS INTERNATIONAL, INC
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Mesa AZ
480-558-7210

TITLE Dutch Seam Shed Ridge Detail

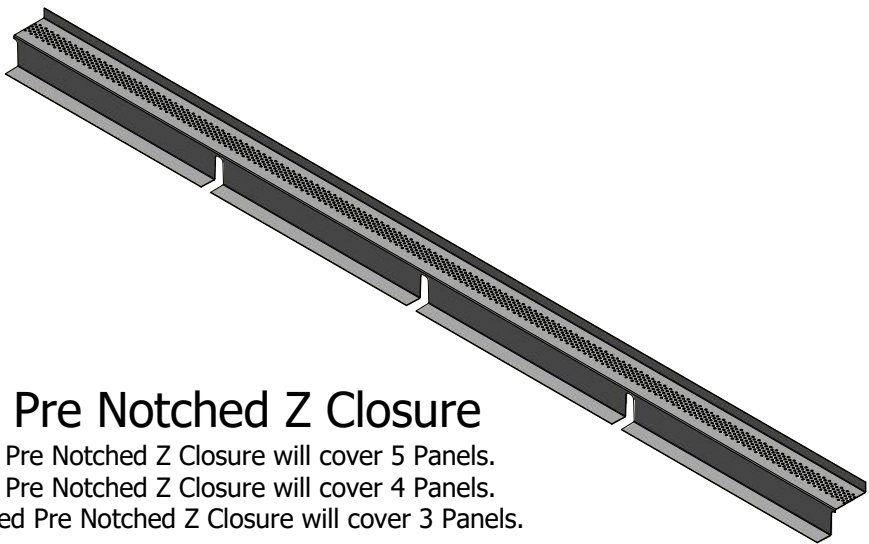
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1		KRK		1/29/2015	
REV. NO.		DATE		DATE	
DESCRIPTION OF REVISION		BY		SCALE	
Updated Clip Information		AJZ		X:X	
MATERIAL		SH. SIZE		B	

Note: * denotes color side.

Note: Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.



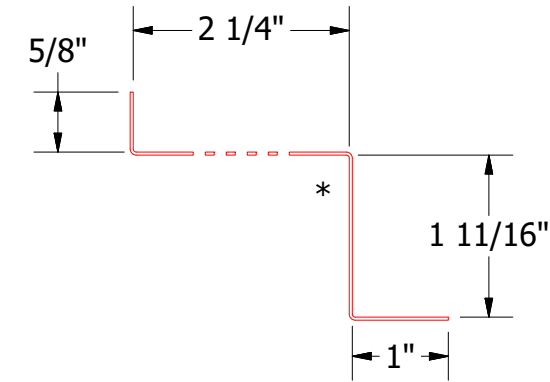
Note: Start/End Vented Z Closure runs with at least 2'-0" of Non-Vent Z Closures.



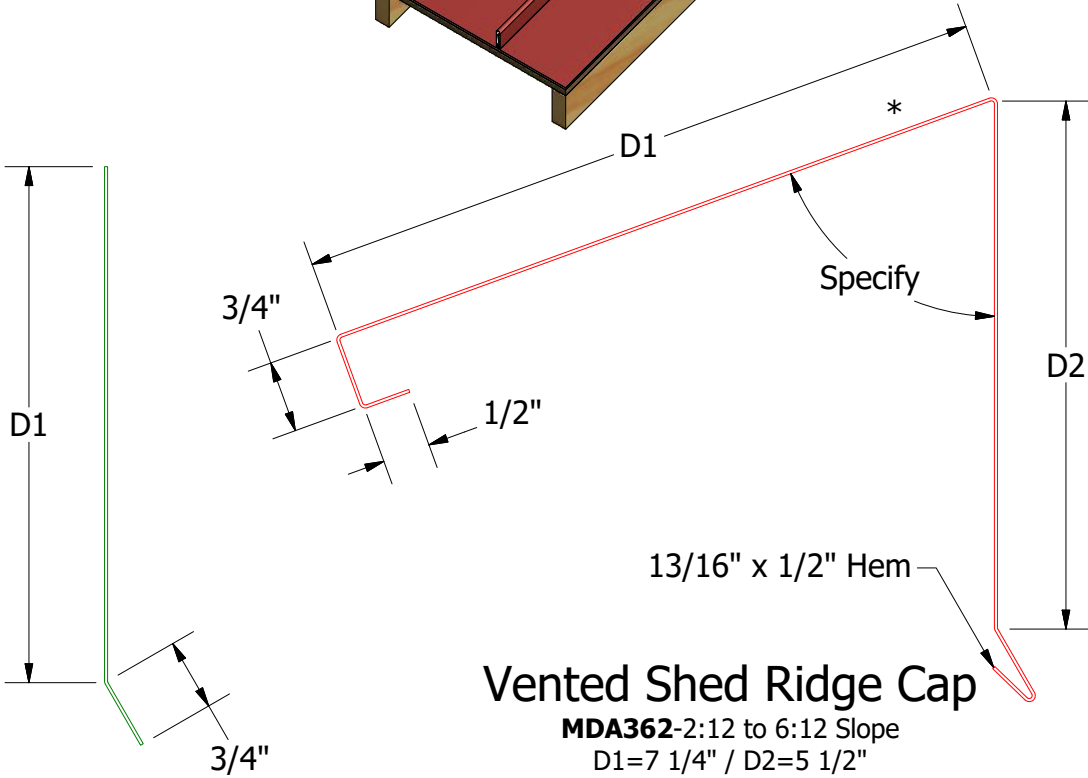
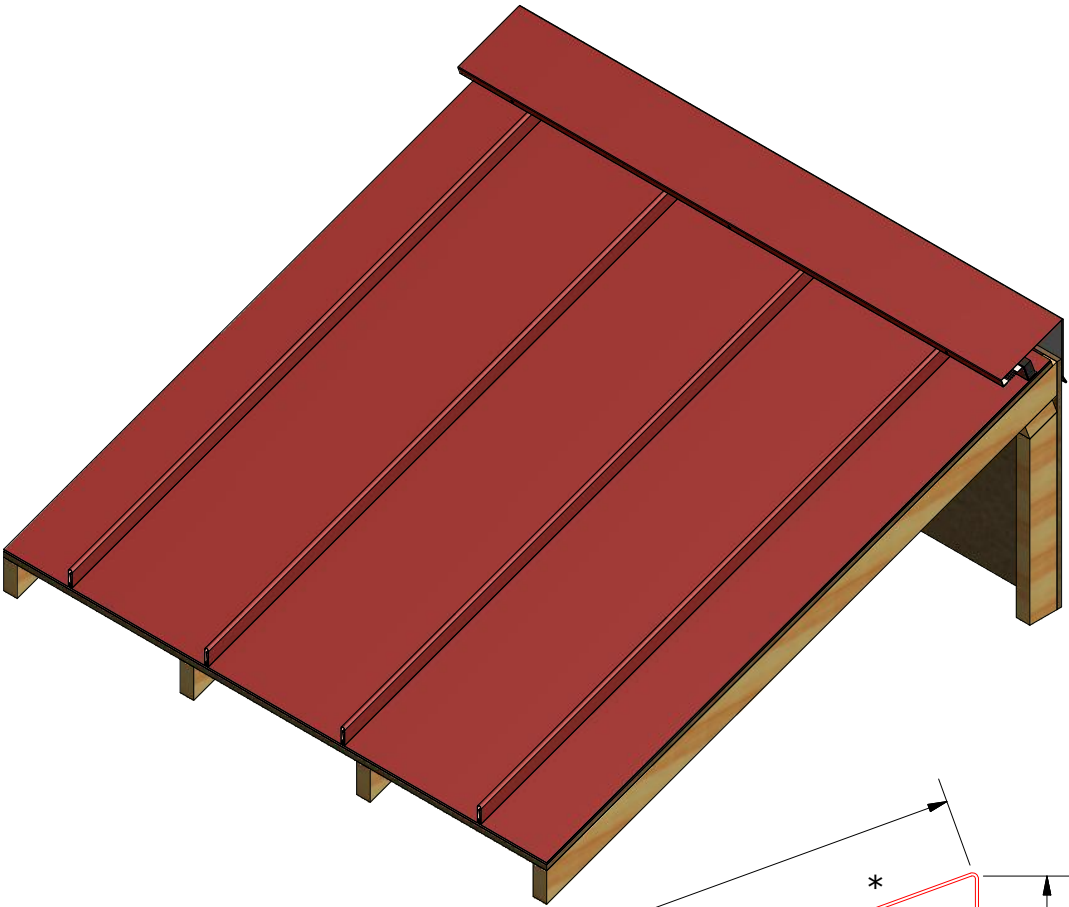
Factory Vented Pre Notched Z Closure

- 11" Panel** - Factory Vented Pre Notched Z Closure will cover 5 Panels.
- 15" Panel** - Factory Vented Pre Notched Z Closure will cover 4 Panels.
- 19 1/4" Panel** - Factory Vented Pre Notched Z Closure will cover 3 Panels.

Note: * denotes color change.
Note: Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.



MDA911 - Vented Z Closure

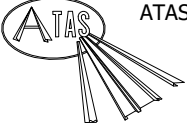


Vented Shed Ridge Cleat

- MDA361**-2:12 to 6:12 Slope
D1=5 3/8"
- MDA368**-6:12 to 9:12 Slope
D1= 5 5/8"
- MDA369**-9:12 to 12:12 Slope
D1=5 7/8"

Vented Shed Ridge Cap

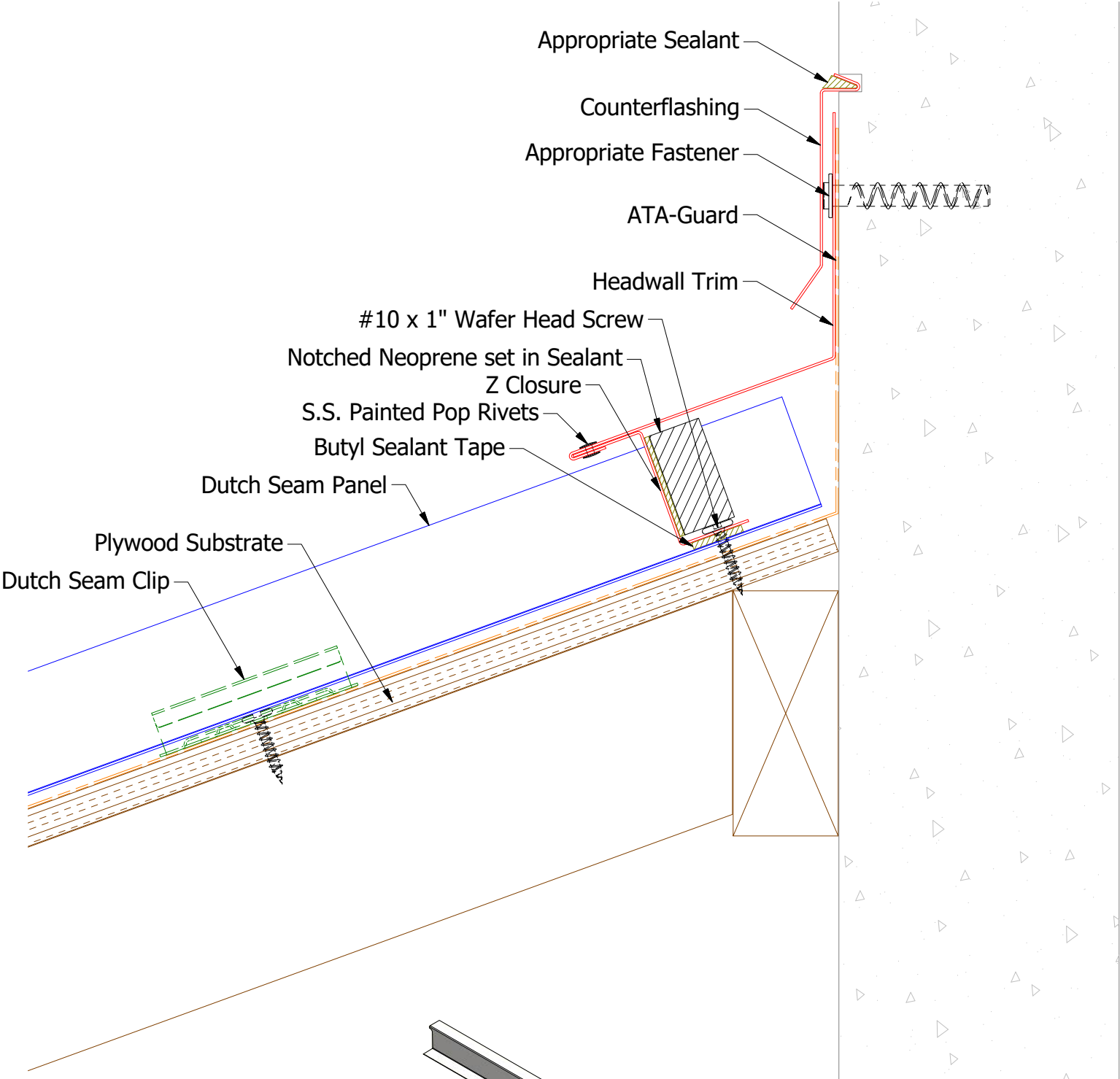
- MDA362**-2:12 to 6:12 Slope
D1=7 1/4" / D2=5 1/2"
- MDA364**-6:12 to 9:12 Slope
D1=8 1/4" / D1=5 3/4"
- MDA366**-9:12 to 12:12 Slope
D1=9 1/4" / D2=6"



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TITLE Dutch Seam Vented Shed Ridge Detail					
DWG. NO.		DR	KRK	DATE	2/5/2015
APP		DATE			
MATERIAL		SH. SIZE	B	SCALE	X:X

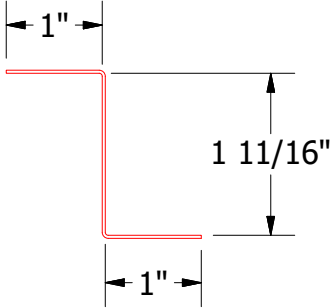
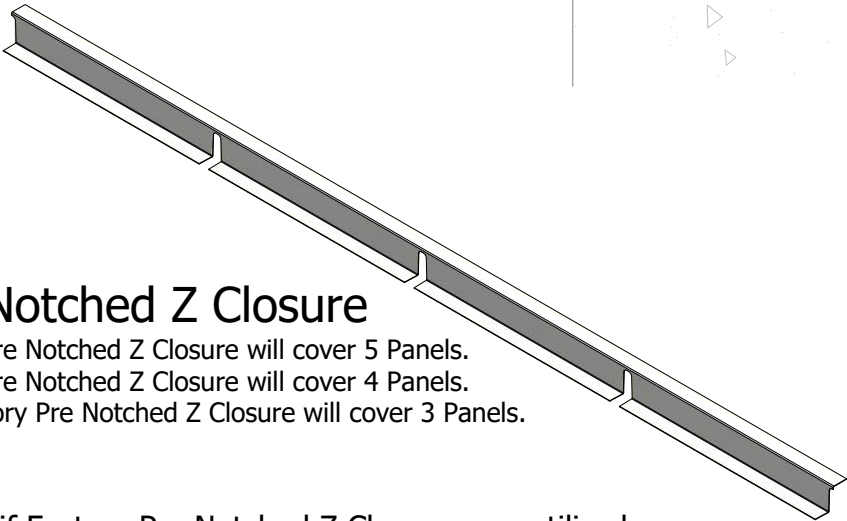
01	5/29/2019	Updated Clip Information	AJZ	KRK	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	



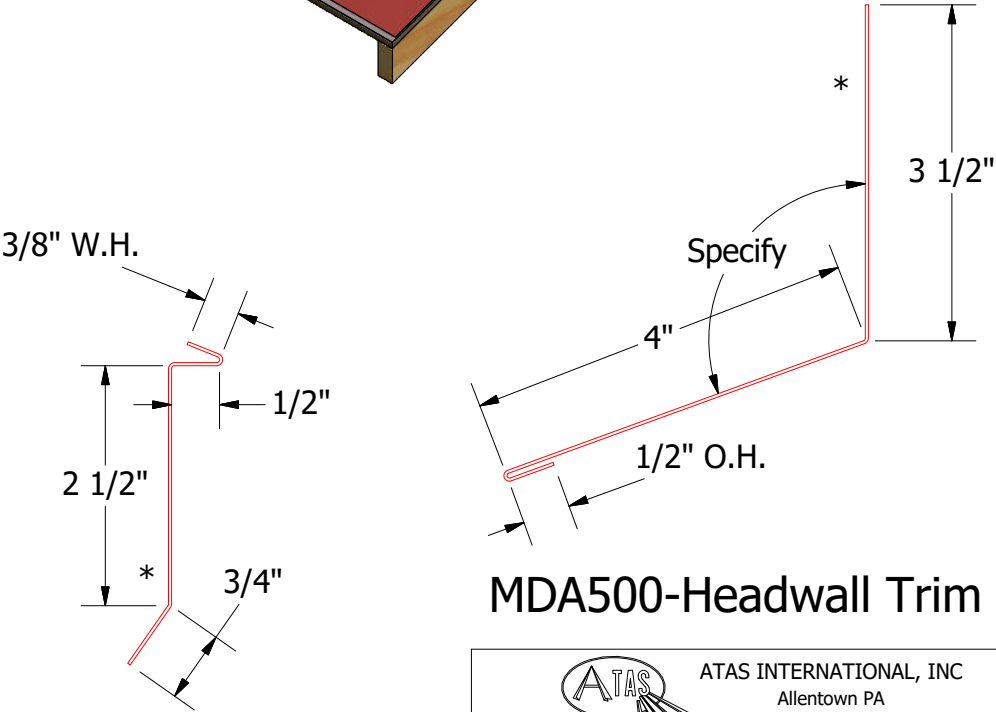
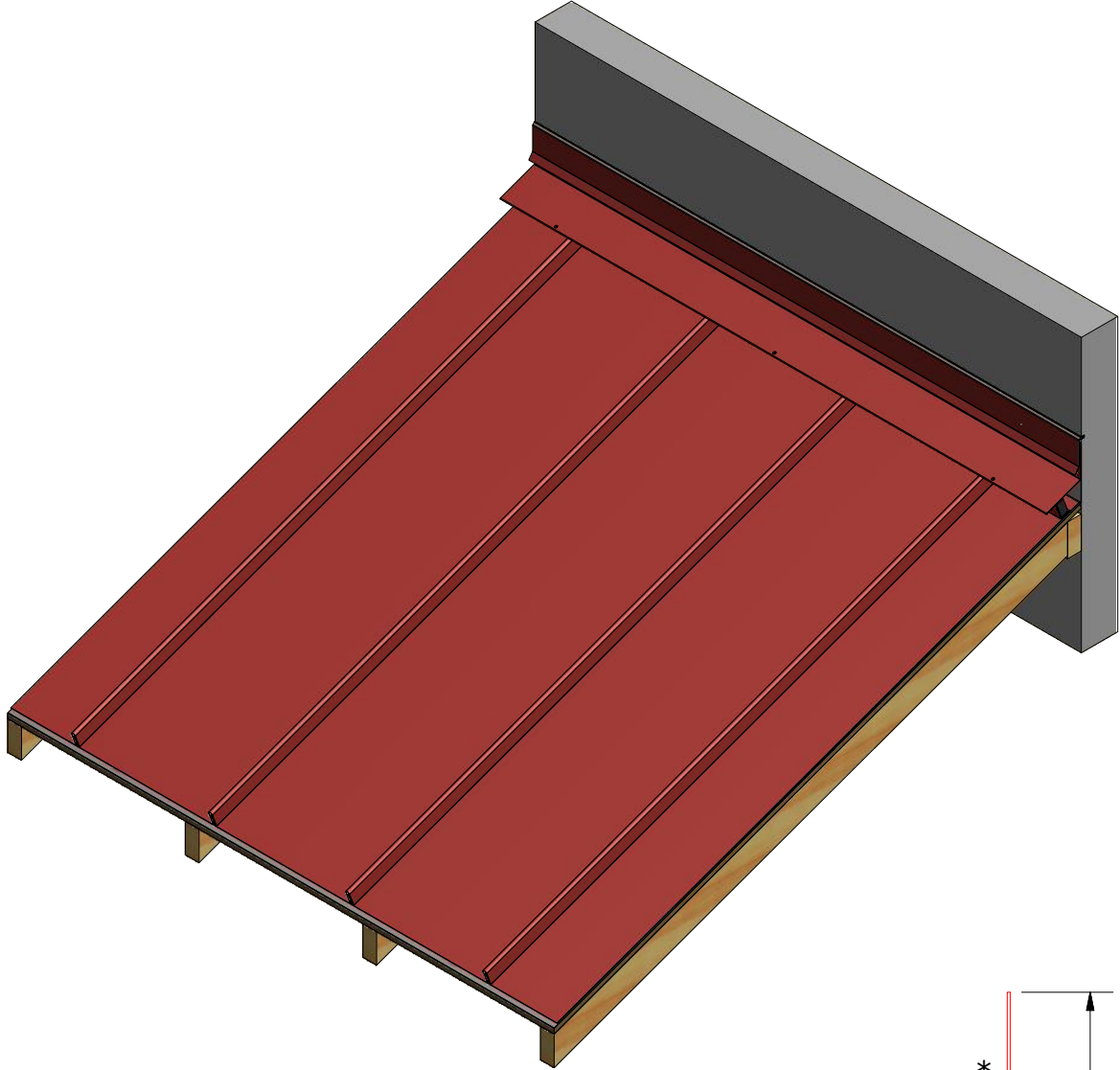
Factory Pre Notched Z Closure

- 11" Panel - Factory Pre Notched Z Closure will cover 5 Panels.
- 15" Panel - Factory Pre Notched Z Closure will cover 4 Panels.
- 19 1/4" Panel - Factory Pre Notched Z Closure will cover 3 Panels.

Note: * denotes color side.
Note: Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.



MDA910-Z Closure

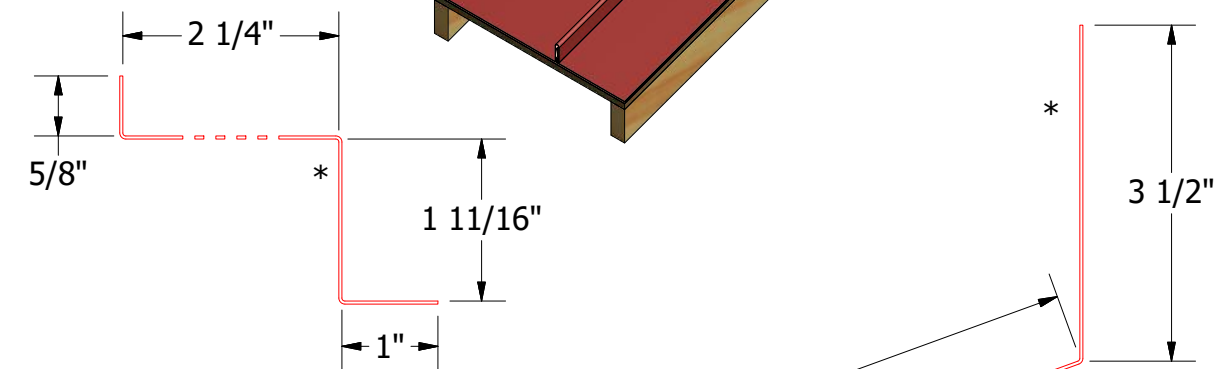
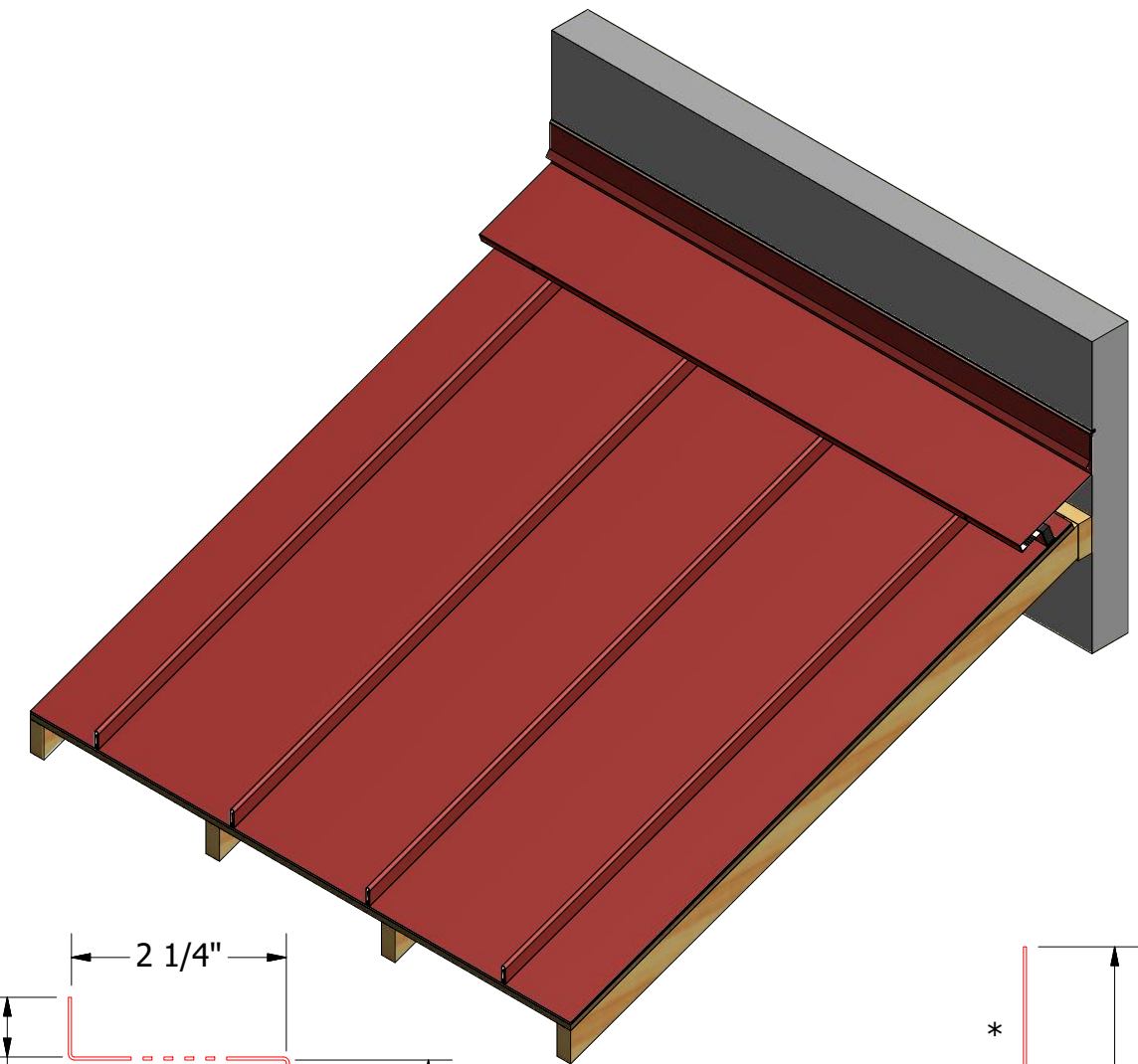
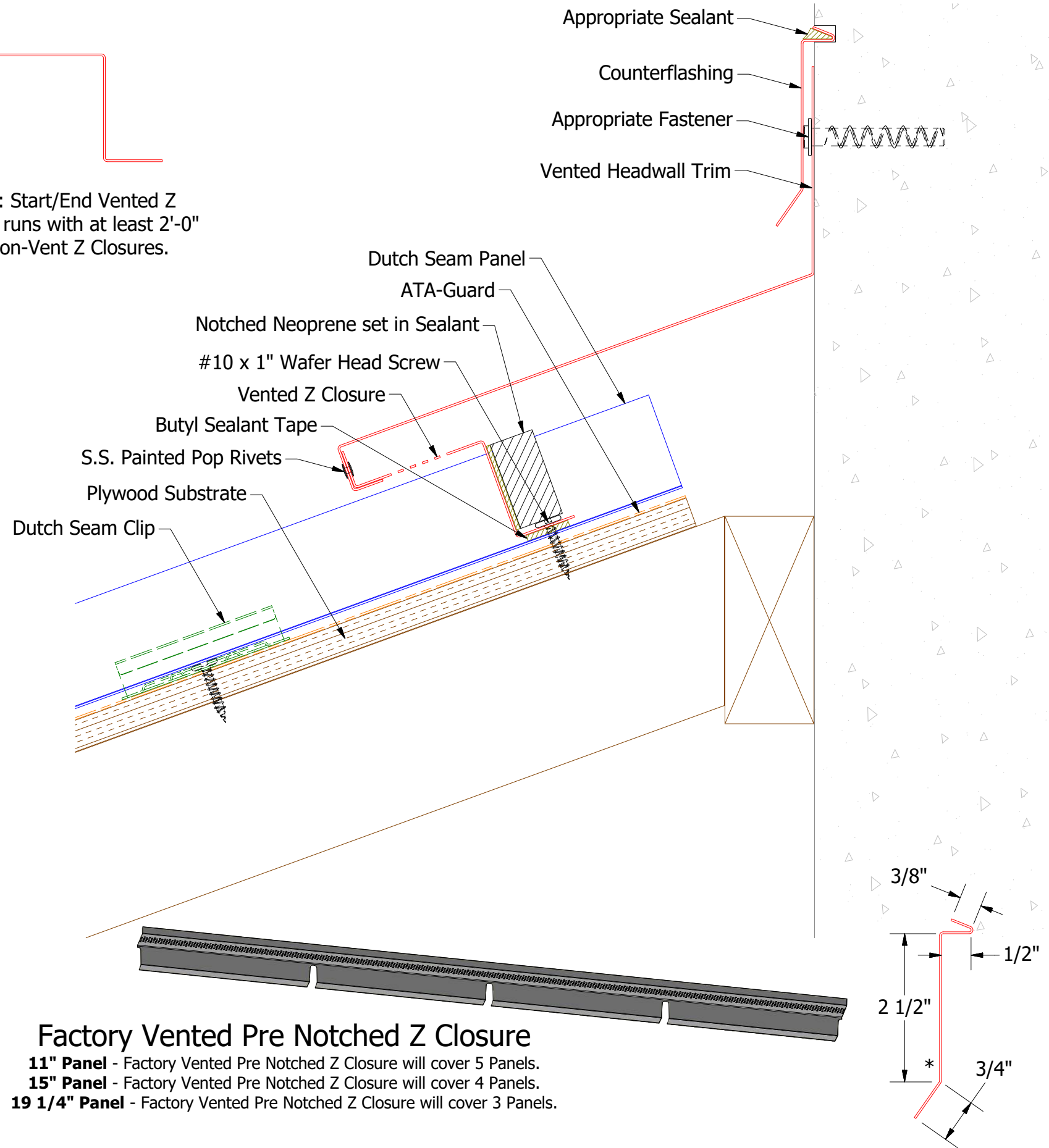


MDA980-Counterflashing

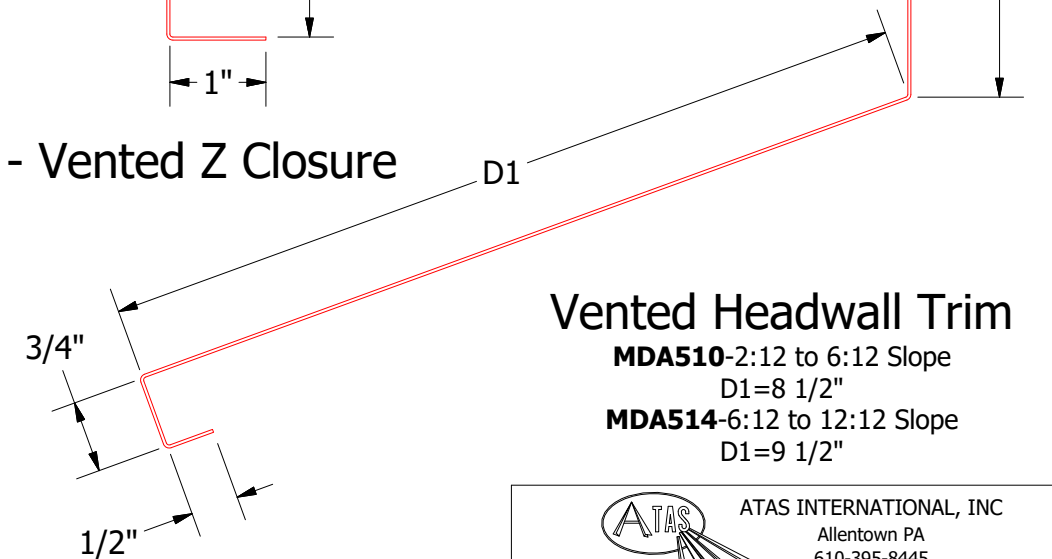
MDA500-Headwall Trim

TITLE				Dutch Seam Headwall Detail			
DWG. NO.				DR	KRK	DATE	1/27/2015
MATERIAL				APP		DATE	
REV. NO.				SH. SIZE	B	SCALE	X:X
01	5/29/2019	Updated Clip Information	AJZ	KRK			
		DESCRIPTION OF REVISION	BY	APP			

Note: Start/End Vented Z Closure runs with at least 2'-0" of Non-Vent Z Closures.



MDA911 - Vented Z Closure



Vented Headwall Trim

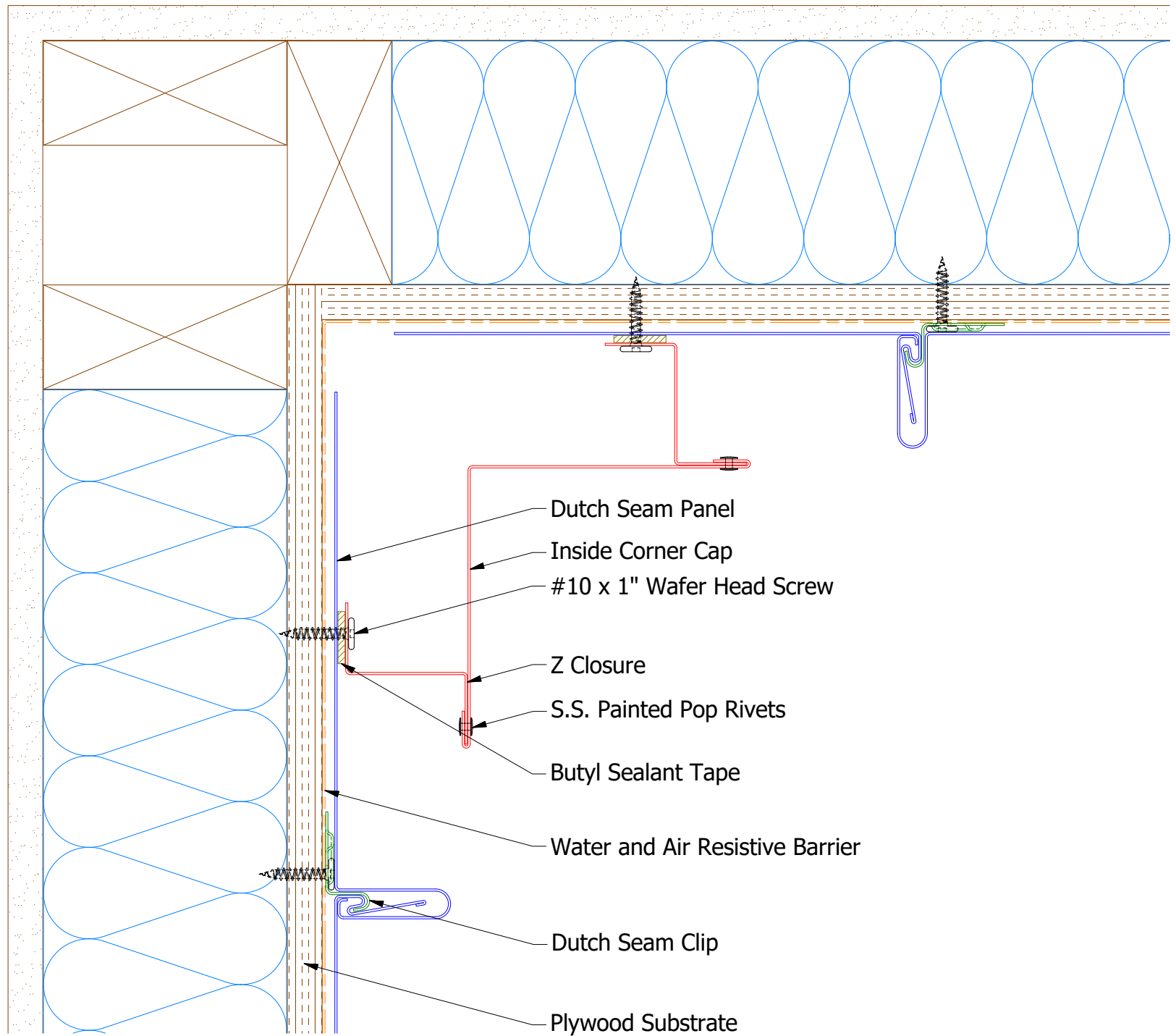
MDA510-2:12 to 6:12 Slope
D1=8 1/2"
MDA514-6:12 to 12:12 Slope
D1=9 1/2"

Factory Vented Pre Notched Z Closure
11" Panel - Factory Vented Pre Notched Z Closure will cover 5 Panels.
15" Panel - Factory Vented Pre Notched Z Closure will cover 4 Panels.
19 1/4" Panel - Factory Vented Pre Notched Z Closure will cover 3 Panels.

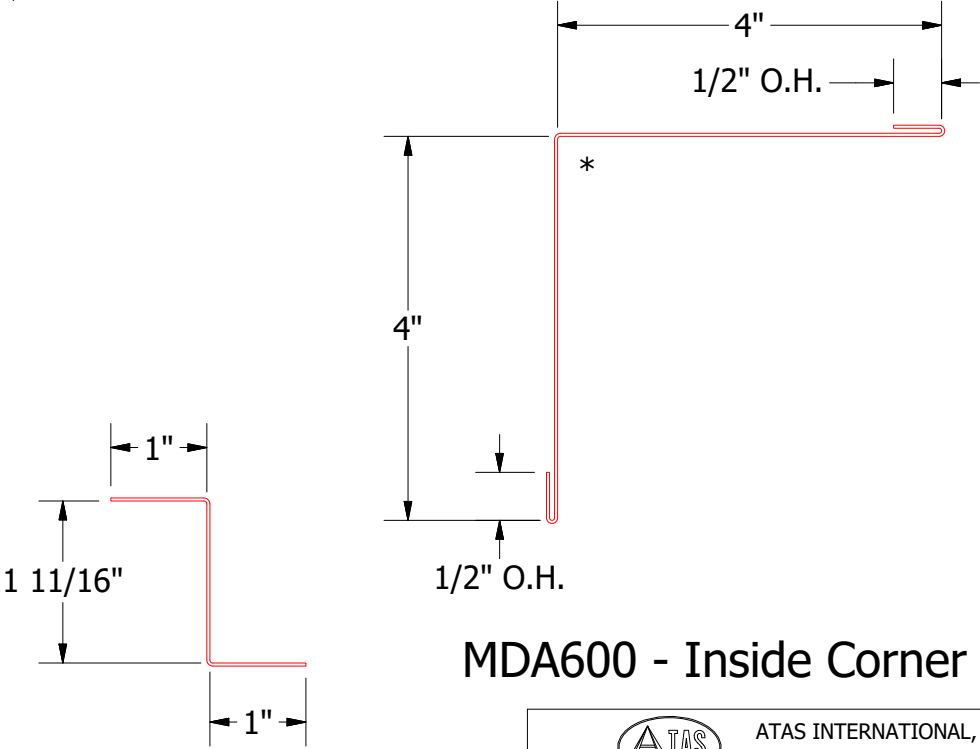
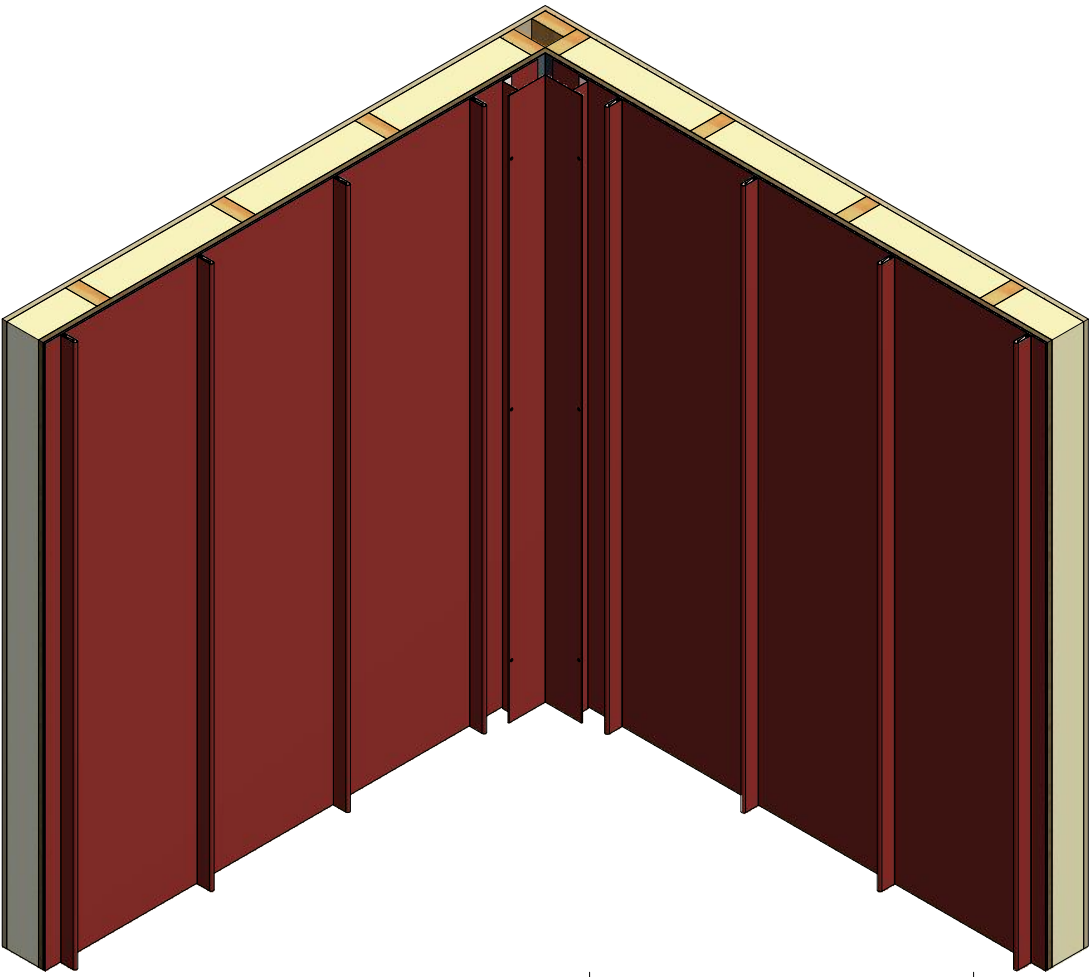
Note: * denotes color side.
Note: Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.

MDA980-Counterflashing

TITLE				Dutch Seam Vented Headwall Detail				
						DWG. NO.	DR	DATE
							KRK	2/3/2015
01	5/29/2019	Updated Clip Information			AJZ	KRK	APP	DATE
REV. NO.	DATE	DESCRIPTION OF REVISION			BY	APP	SH. SIZE	SCALE
							B	X:X



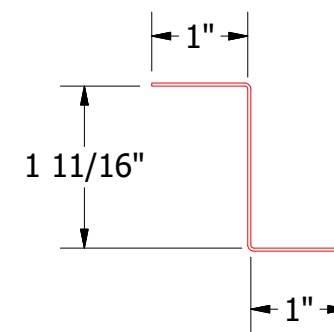
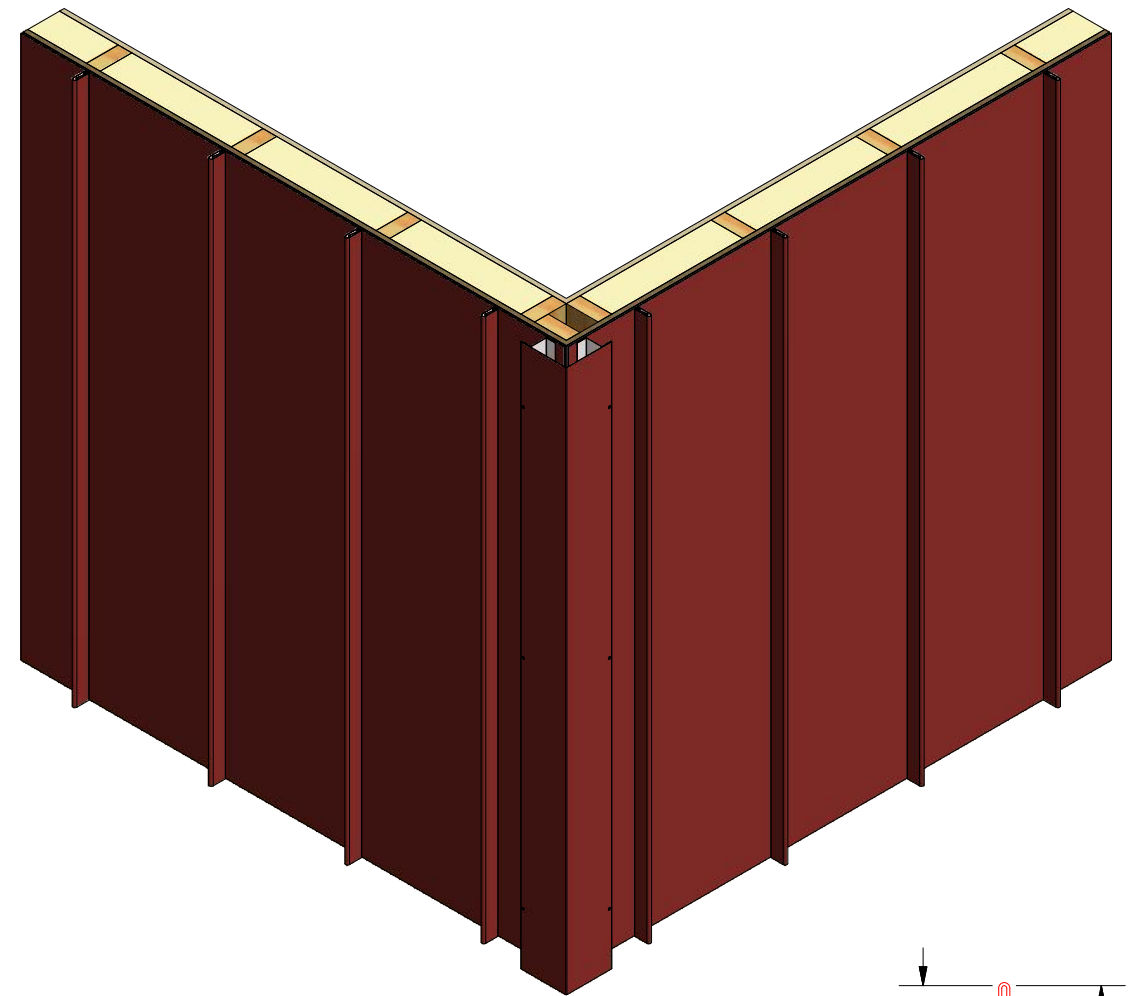
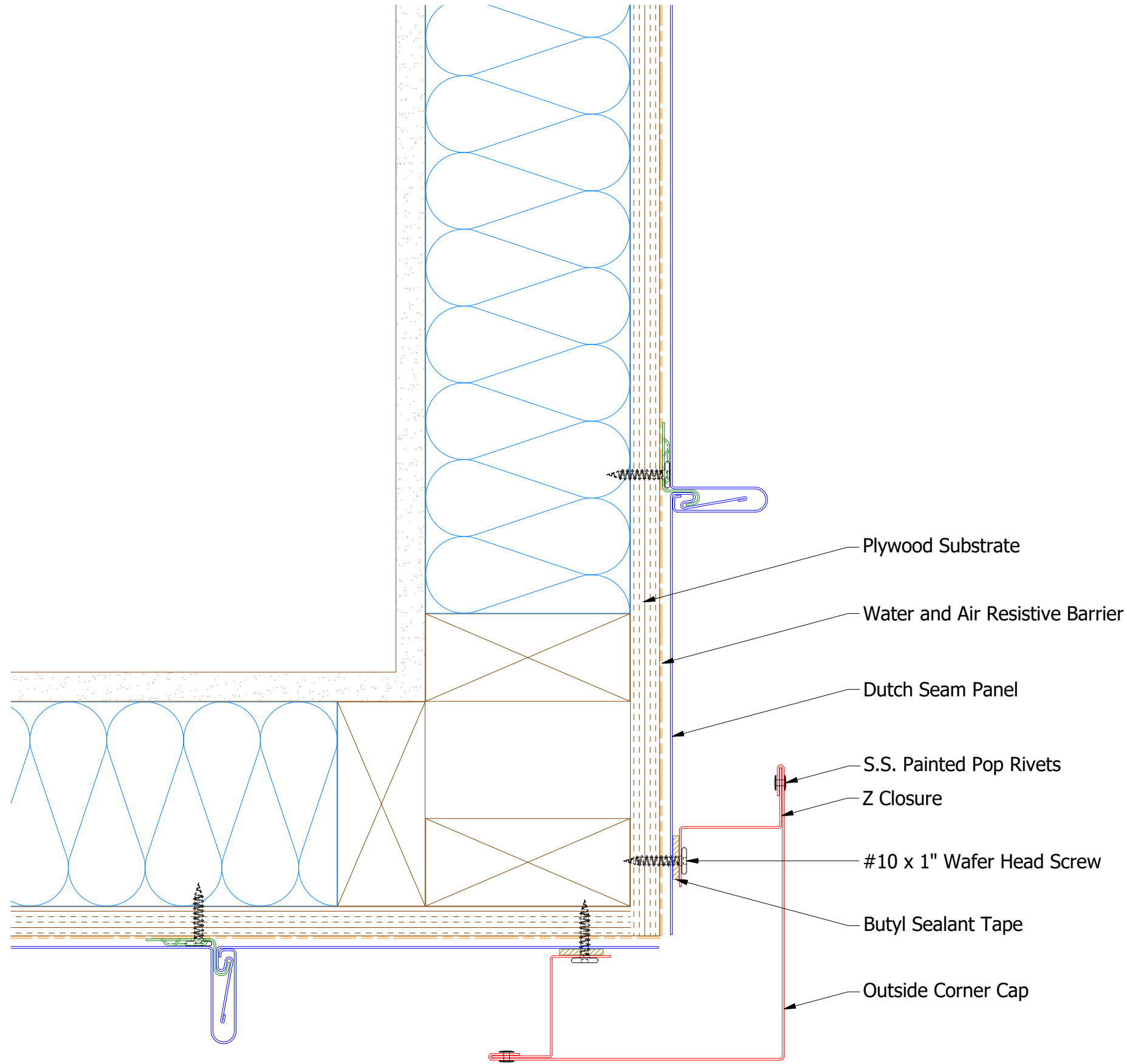
Note: * denotes color side.



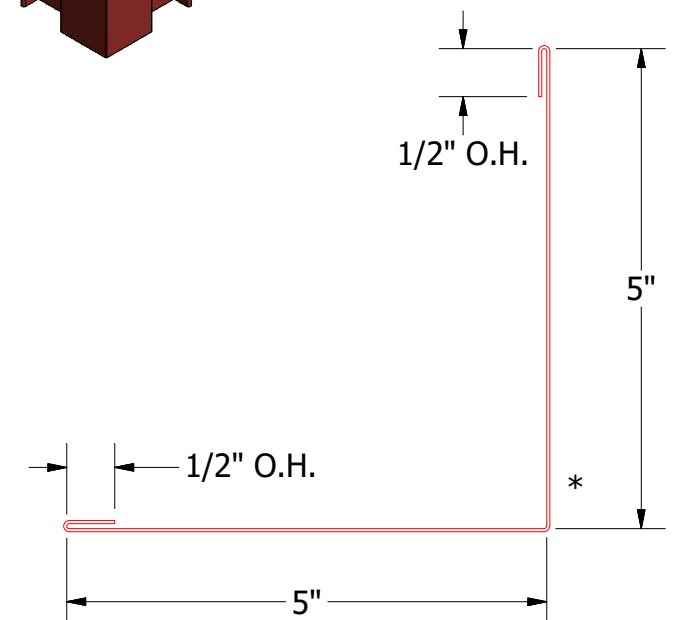
MDA910 - Z Closure

MDA600 - Inside Corner Cap

				TITLE Dutch Seam Inside Corner Detail			
				DWG. NO.	DR	KRK	DATE 1/28/2015
				MATERIAL	APP		DATE
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	SH. SIZE	B	SCALE X:X
01	3/28/2022	Updated Substrate	KRK				

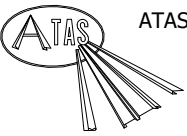


MDA910-Z Closure



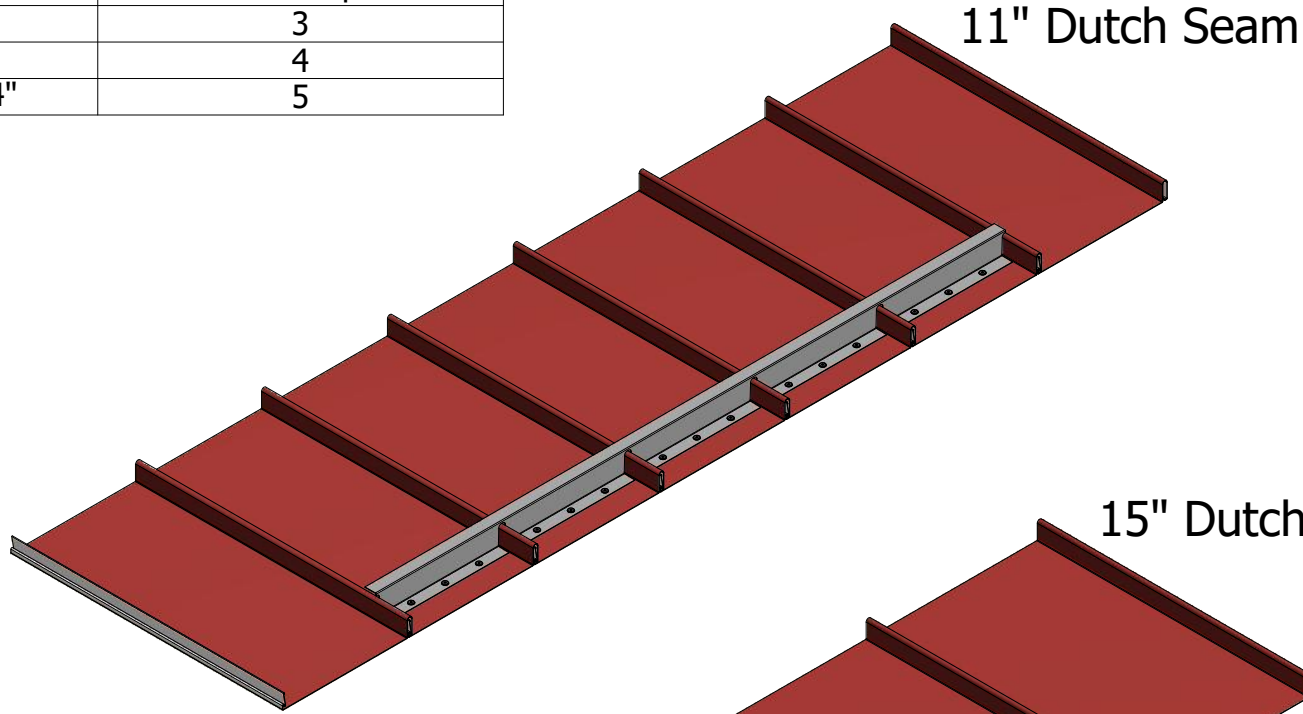
MDA610 - Outside Corner Cap

Note: * denotes color side.

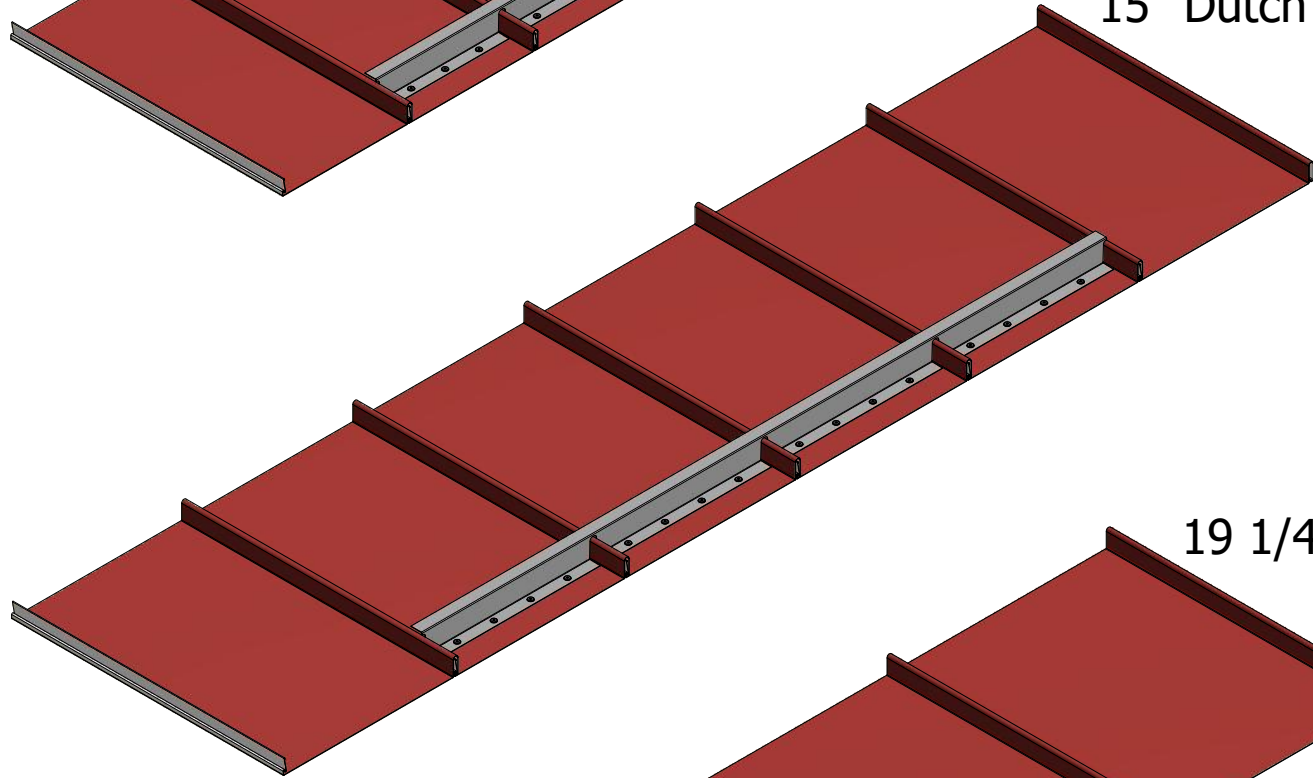
 ATAS INTERNATIONAL, INC Allentown PA 610-395-8445 Mesa AZ 480-558-7210		TITLE	
		Dutch Seam Outside Corner Detail	
DWG. NO.	DR	KRK	DATE
APP	DATE	1/29/2015	
MATERIAL	SH. SIZE	B	SCALE
			X:X

REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP
01	3/28/2022	Updated Substrate	KRK	

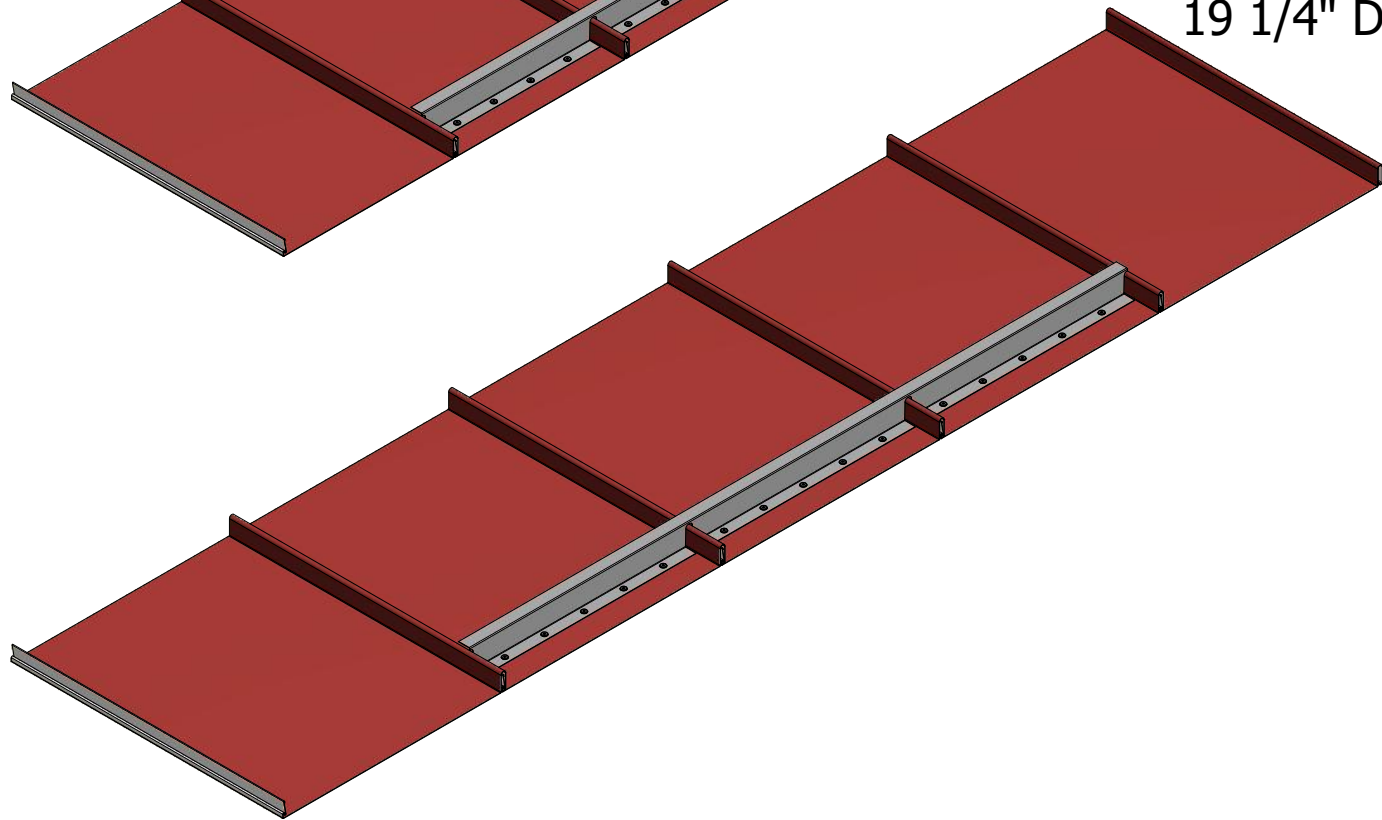
Fastener Quantity for Pre-Notched Z Closures	
Panel Width	# of Fasteners per Panel
11"	3
15"	4
19 1/4"	5



11" Dutch Seam

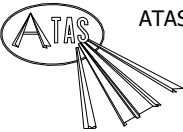
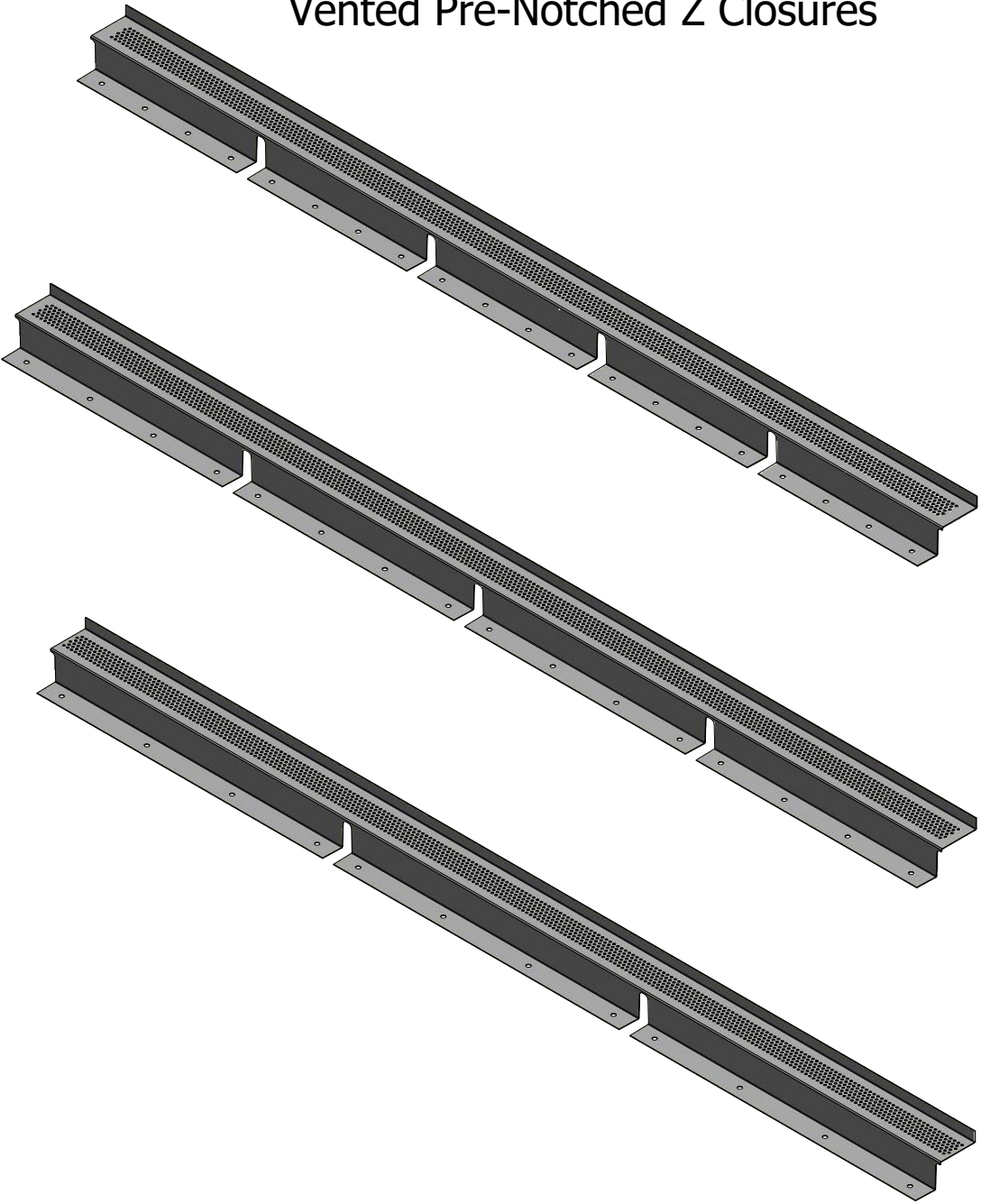


15" Dutch Seam



19 1/4" Dutch Seam

Vented Pre-Notched Z Closures



ATAS INTERNATIONAL, INC
Allentown PA
610-395-8445
Mesa AZ
480-558-7210

				TITLE	
				Dutch Seam Pre-Notched Z Closure Detail	
		DWG. NO.		DR KRK	DATE 1/21/2015
				APP	DATE
		MATERIAL		SH. SIZE B	SCALE X:X
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	