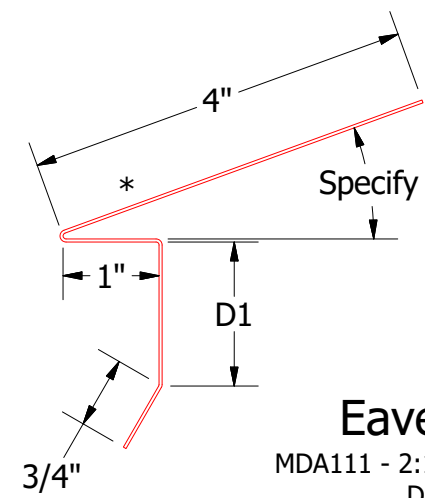
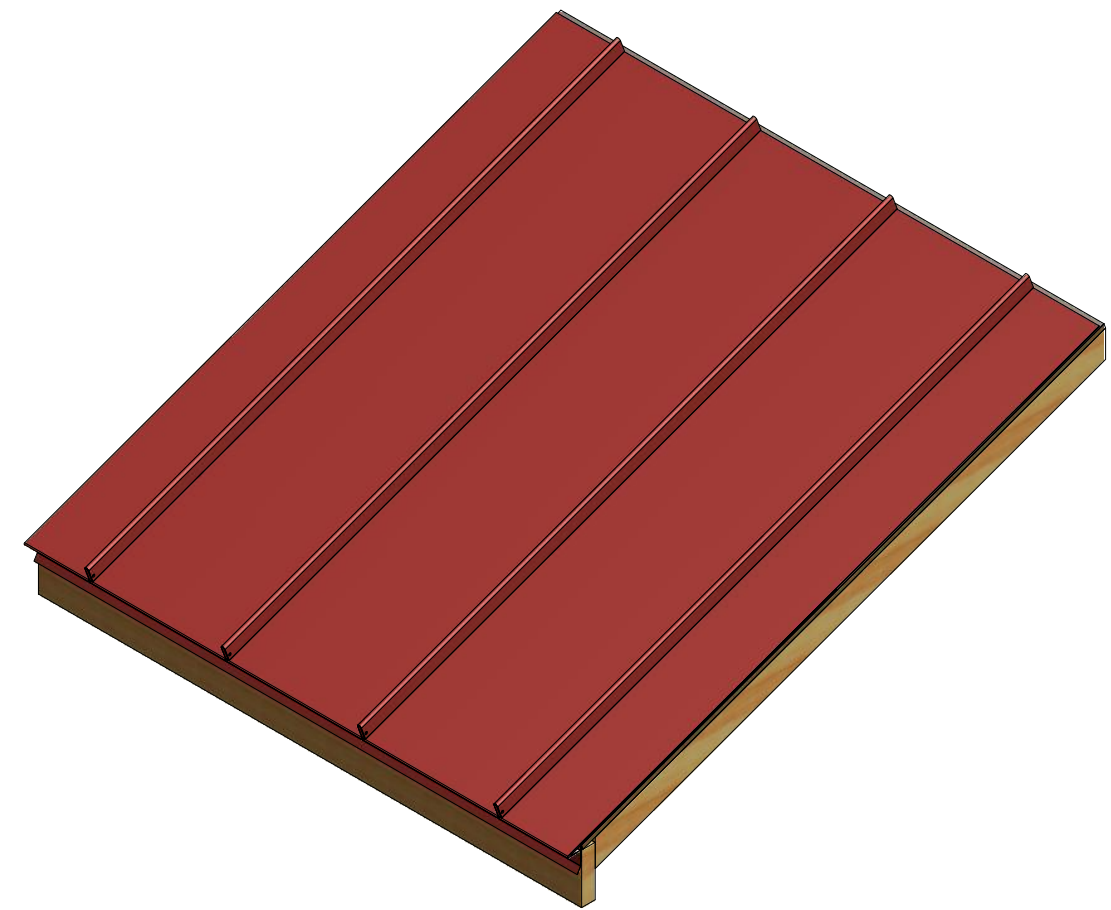
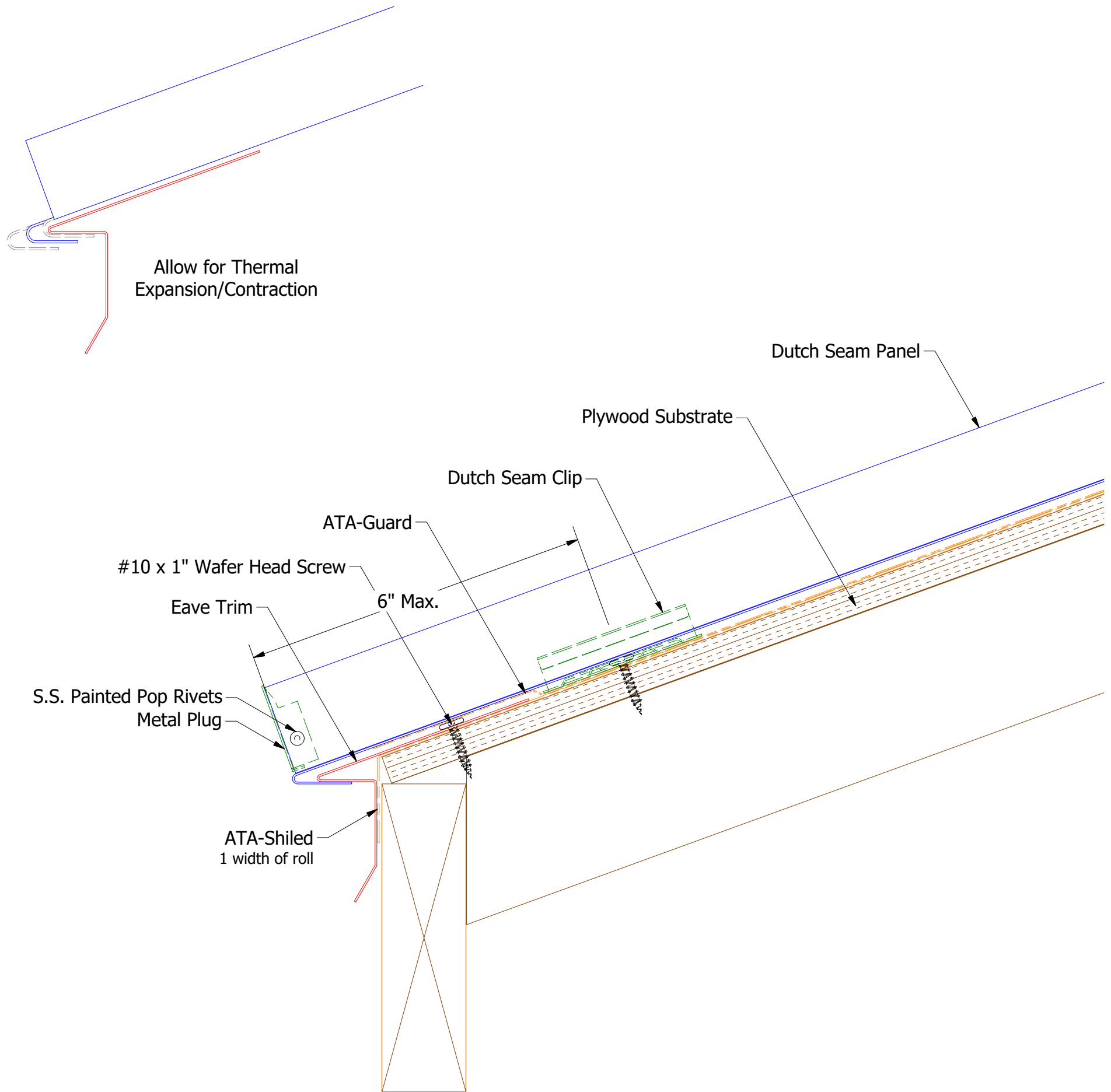


Positive Panel Interlock

					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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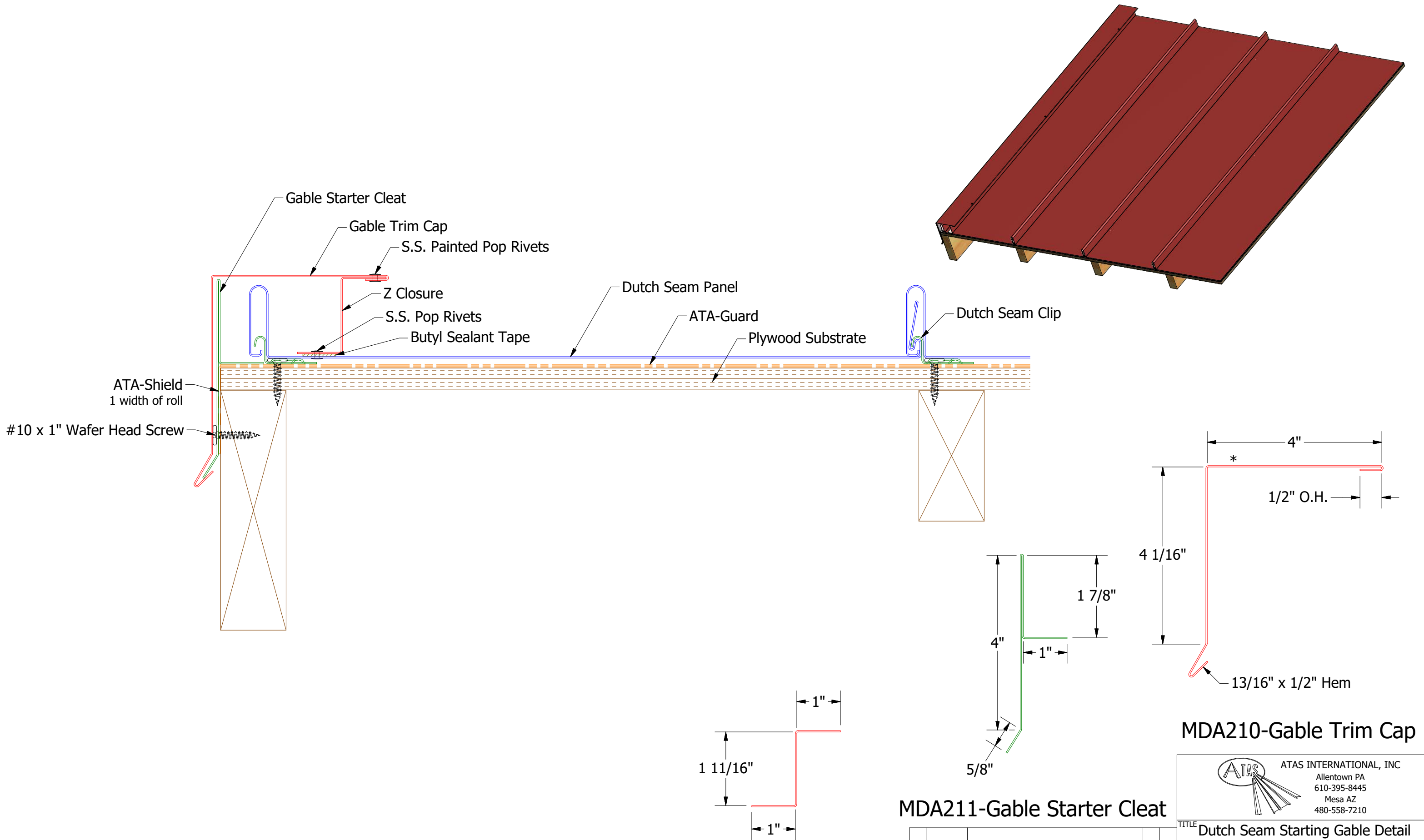


**Eave Trim**  
MDA111 - 2:12 to 4:12 Slope  
D1=1"  
MDA112 - 4:12 to 8:12 Slope  
D1 = 1 1/2"  
MDA113 - 8:12 to 12:12 Slope  
D1 = 2"



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

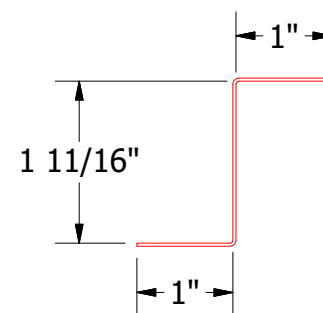
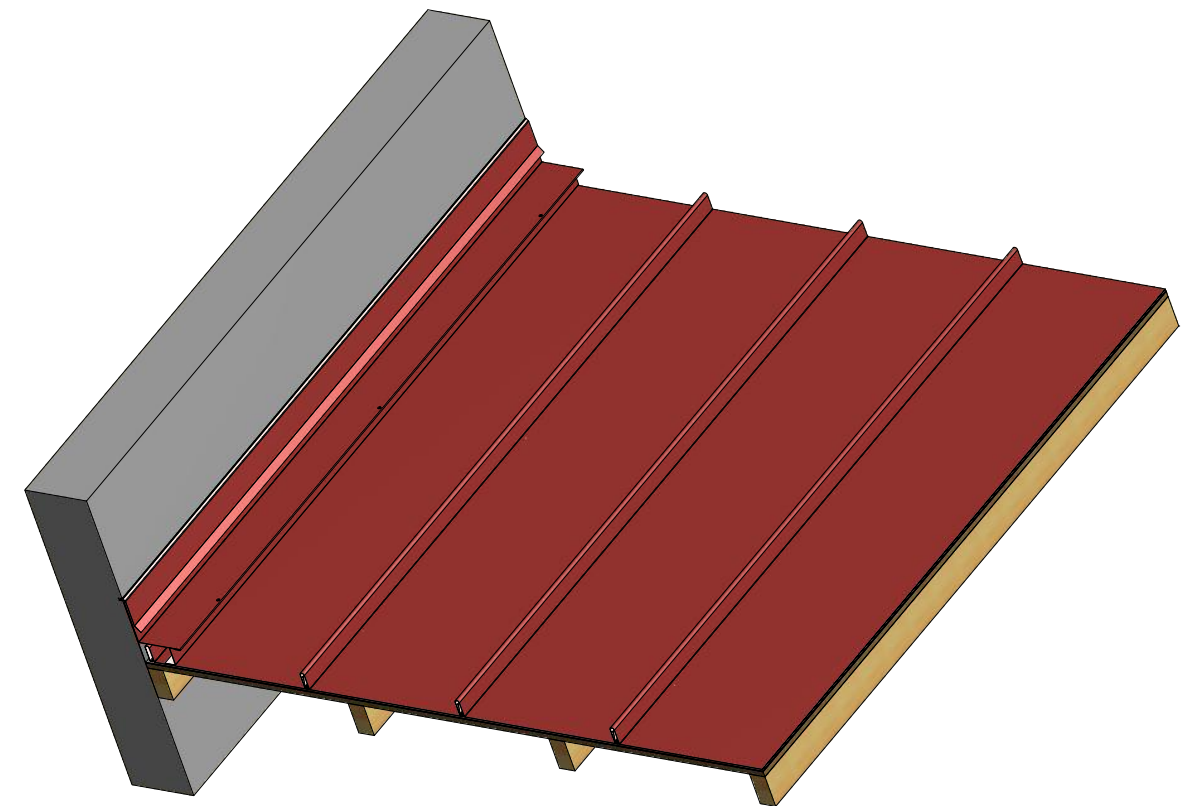
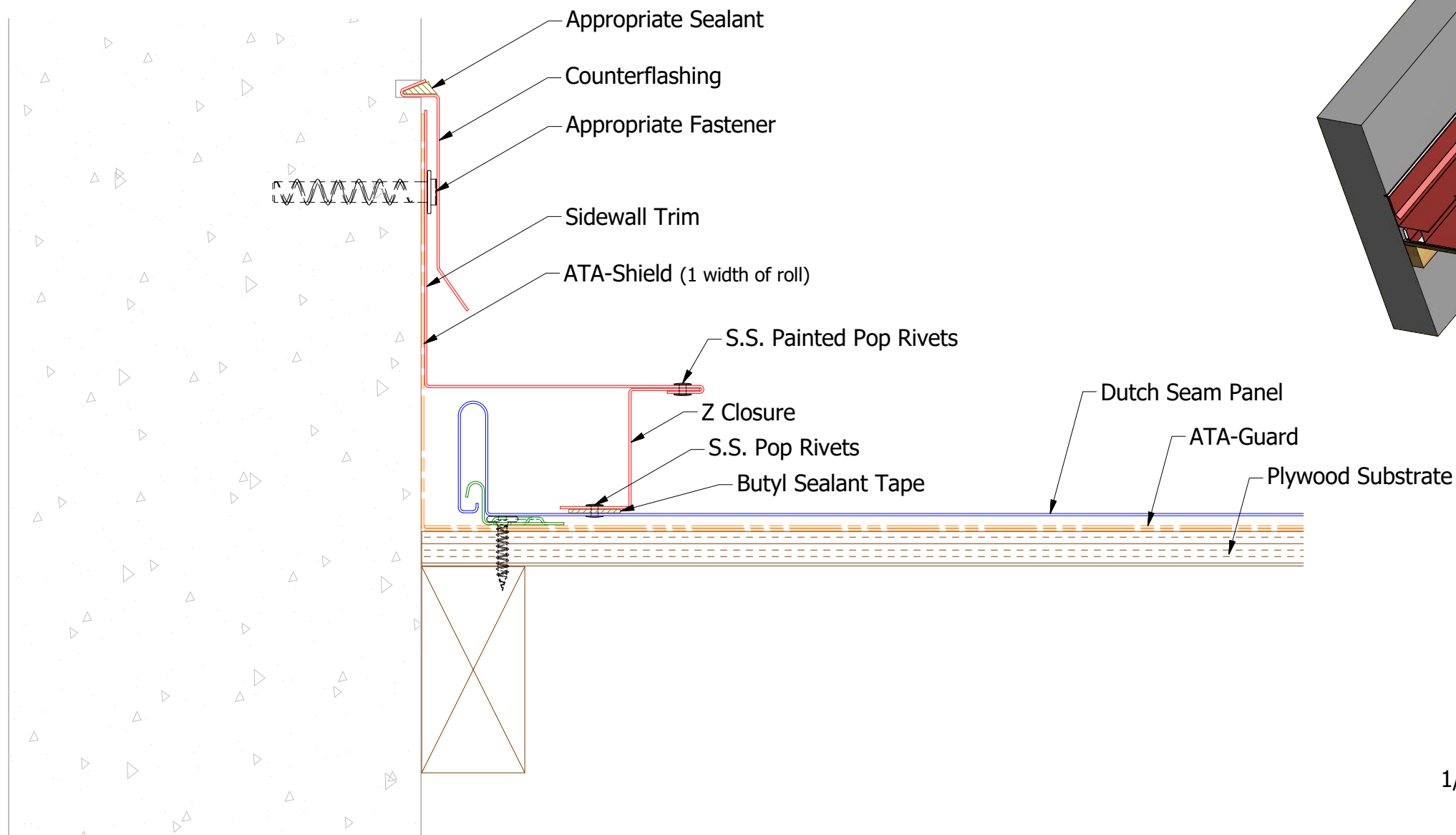


Note: \* denotes color side.

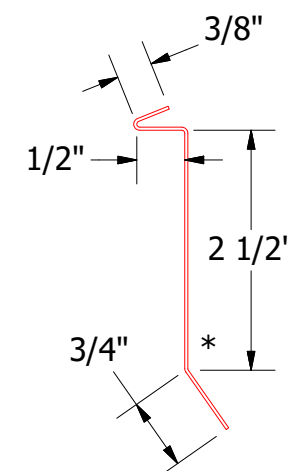
MDA211-Gable Starter Cleat

MDA210-Gable Trim Cap

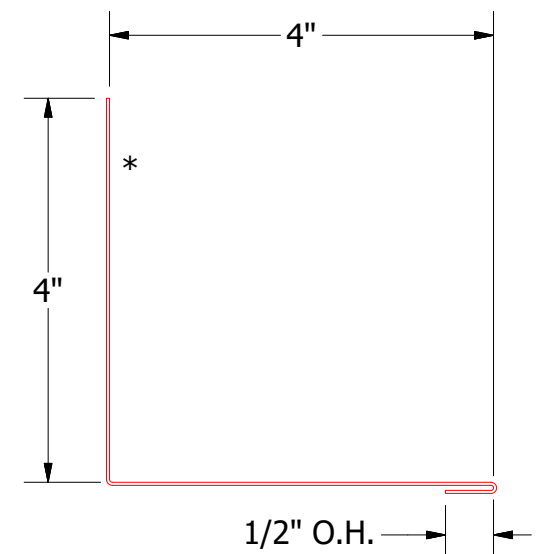
TITLE				Dutch Seam Starting Gable Detail			
DWG. NO.		DR		DATE		2/3/2015	
01		5/29/2019		Updated Clip Information		AJZ KRK	
REV. NO.		DATE		DESCRIPTION OF REVISION		BY APP	
MATERIAL		SH. SIZE		SCALE		X:X	



MDA910 - Z Closure



MDA980 - Counterflashing

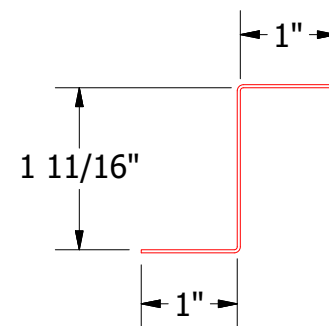
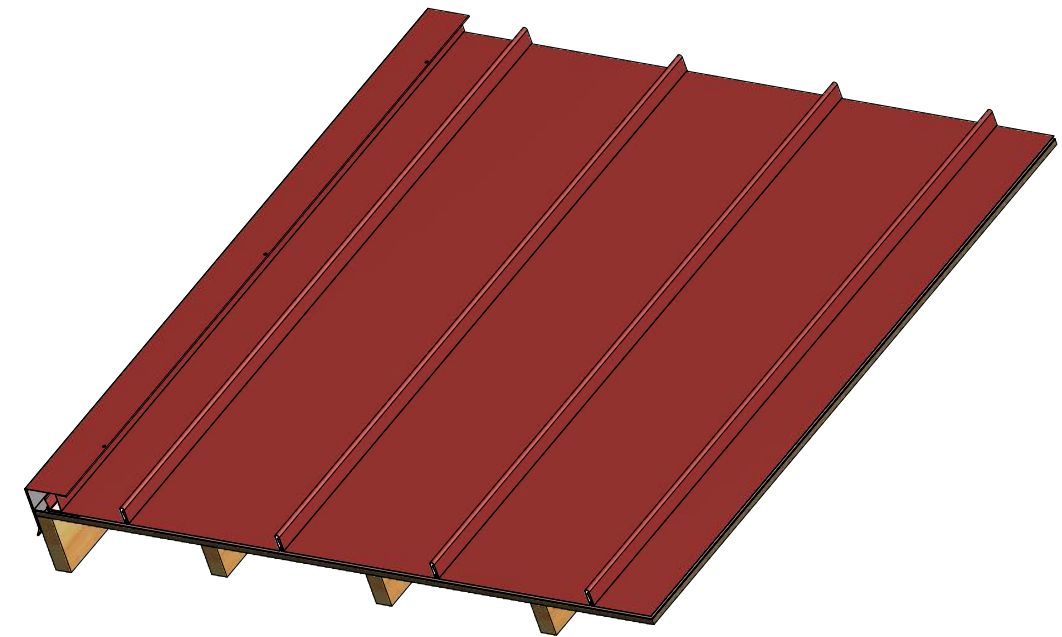
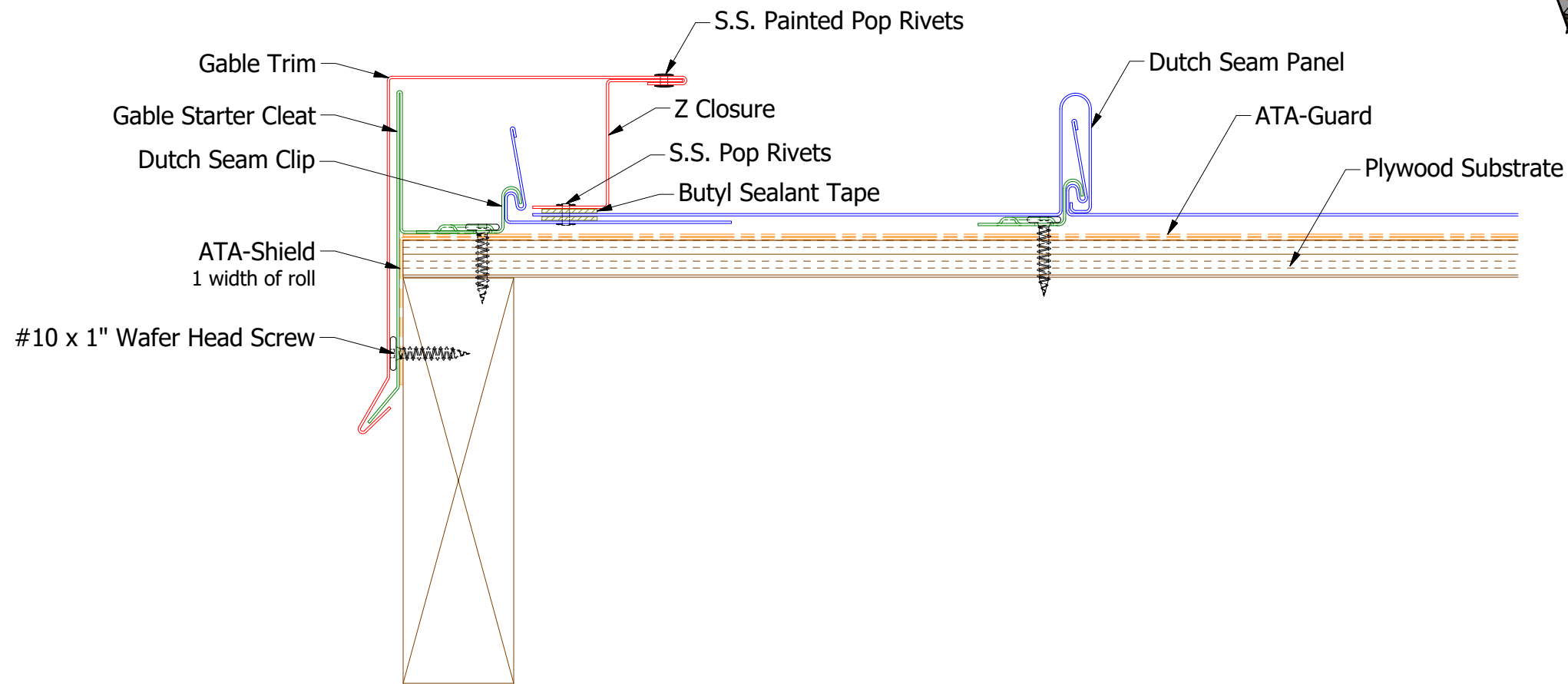


MDA410 - Sidewall Trim

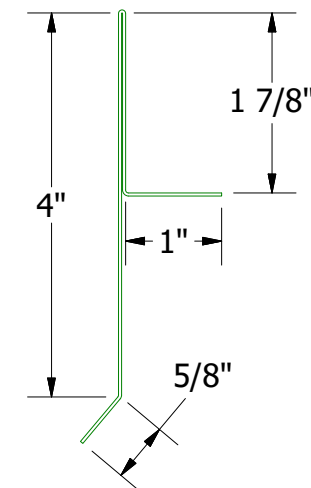
Note: \* denotes color side.

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

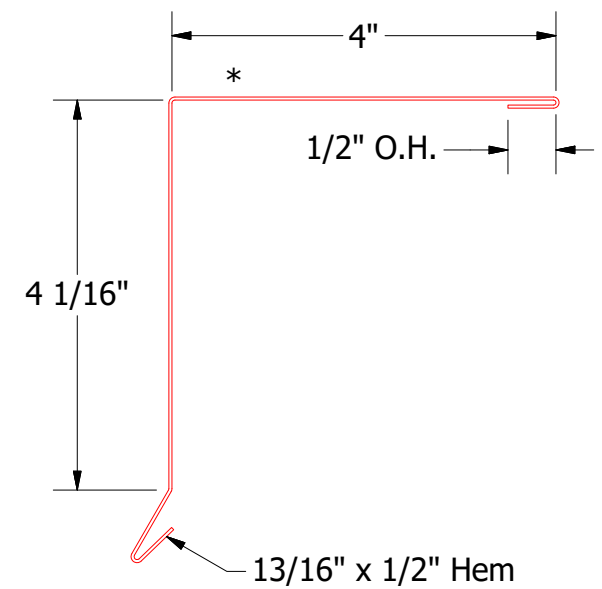

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MDA910-Z Closure



MDA211-Gable Starter Cleat



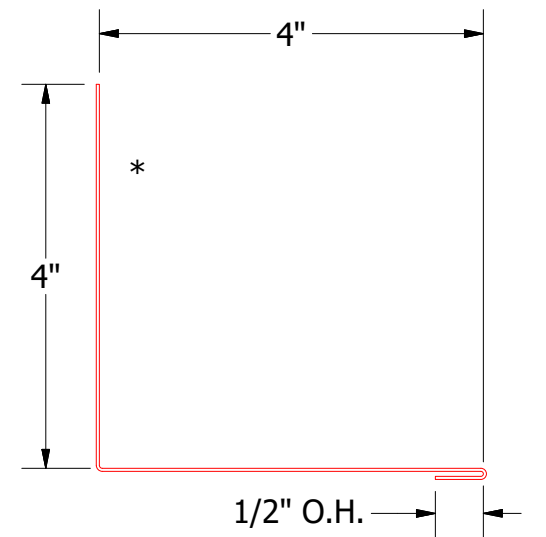
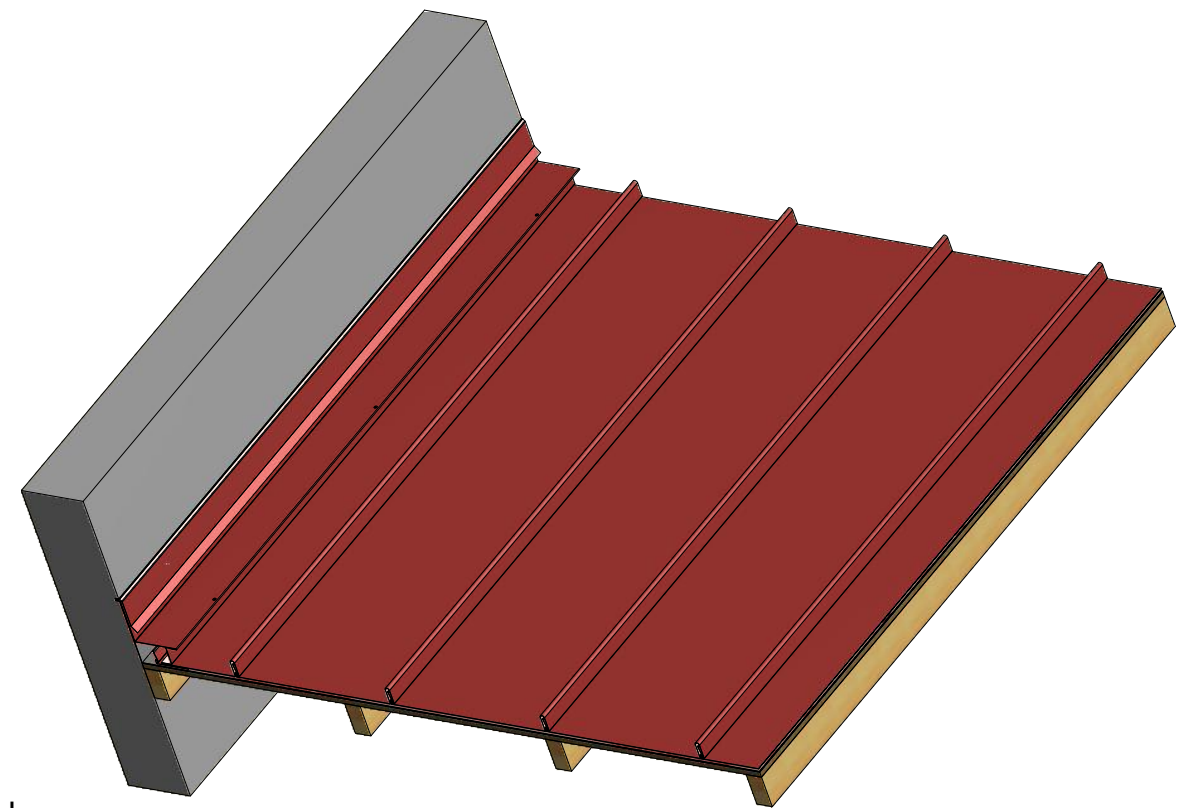
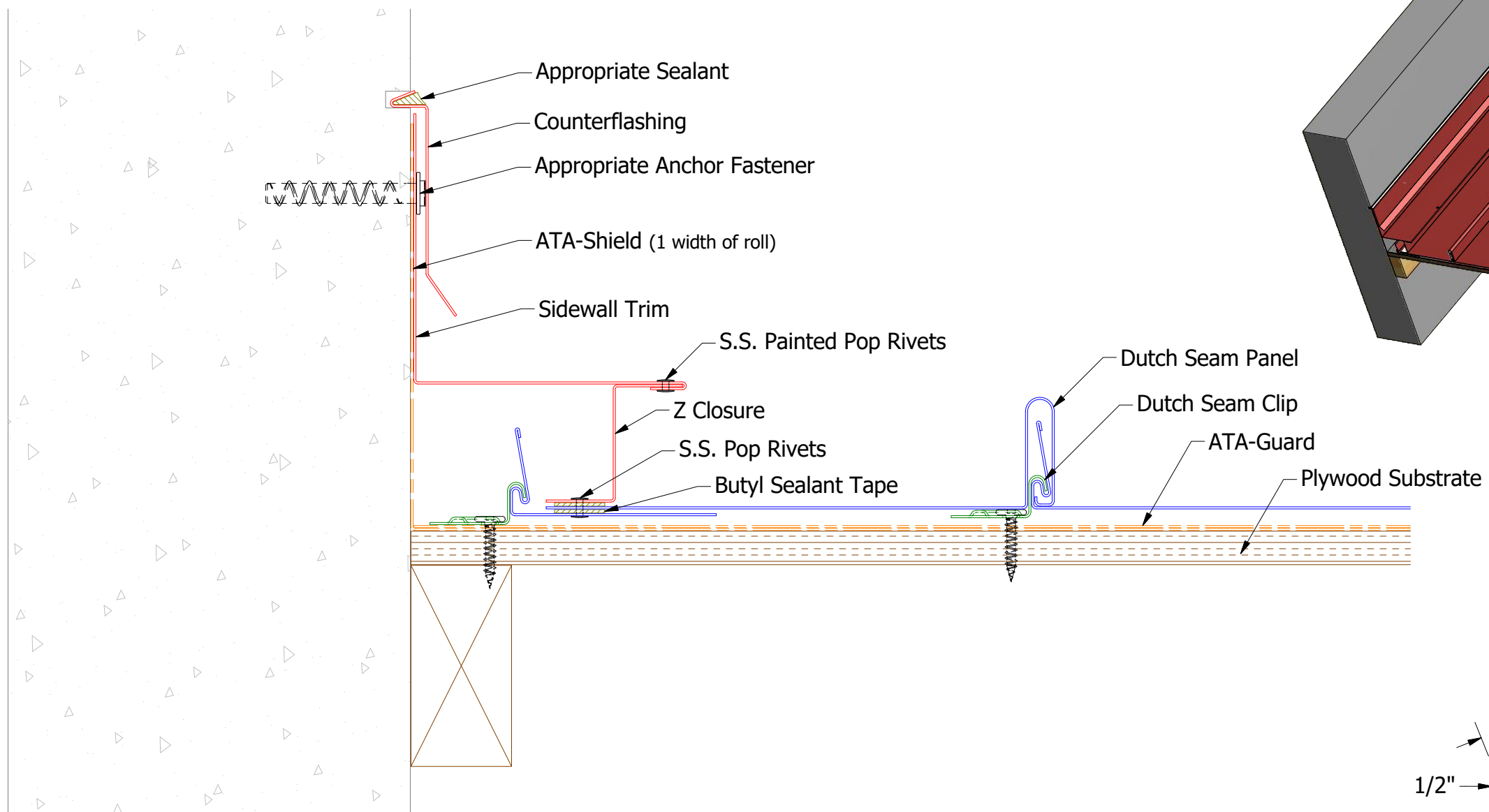
MDA210-Gable Trim Cap

Note: \* denotes color side.

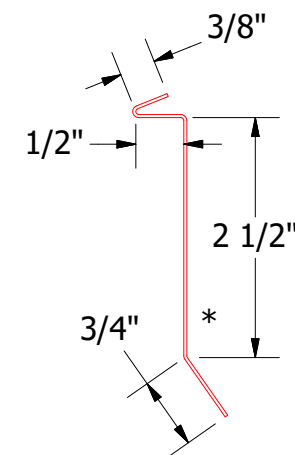
03	5/29/2019	Updated Clip Information	AJZ	KRK
02	2/8/2018	Updated ATA Shield Installation	KRK	
01	6/7/2017	Updated Trim Hems	KRK	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP

TITLE		Dutch Seam Ending Gable Detail	
DWG. NO.		DR	KRK
		APP	
MATERIAL		SH. SIZE	B
		SCALE	X:X
		DATE	1/27/2015

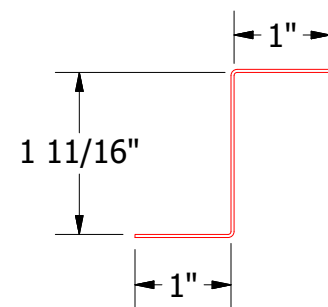
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ATAS INTERNATIONAL, INC  
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Mesa AZ  
480-558-7210



MDA410 - Sidewall Trim




MDA980 - Counterflashing



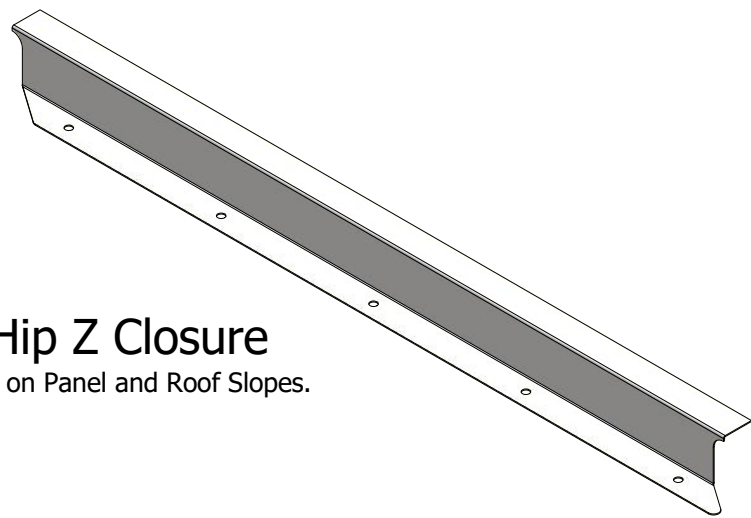
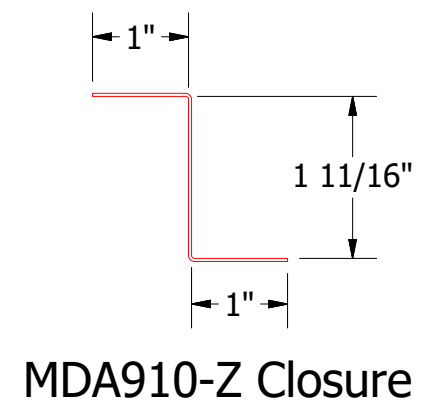
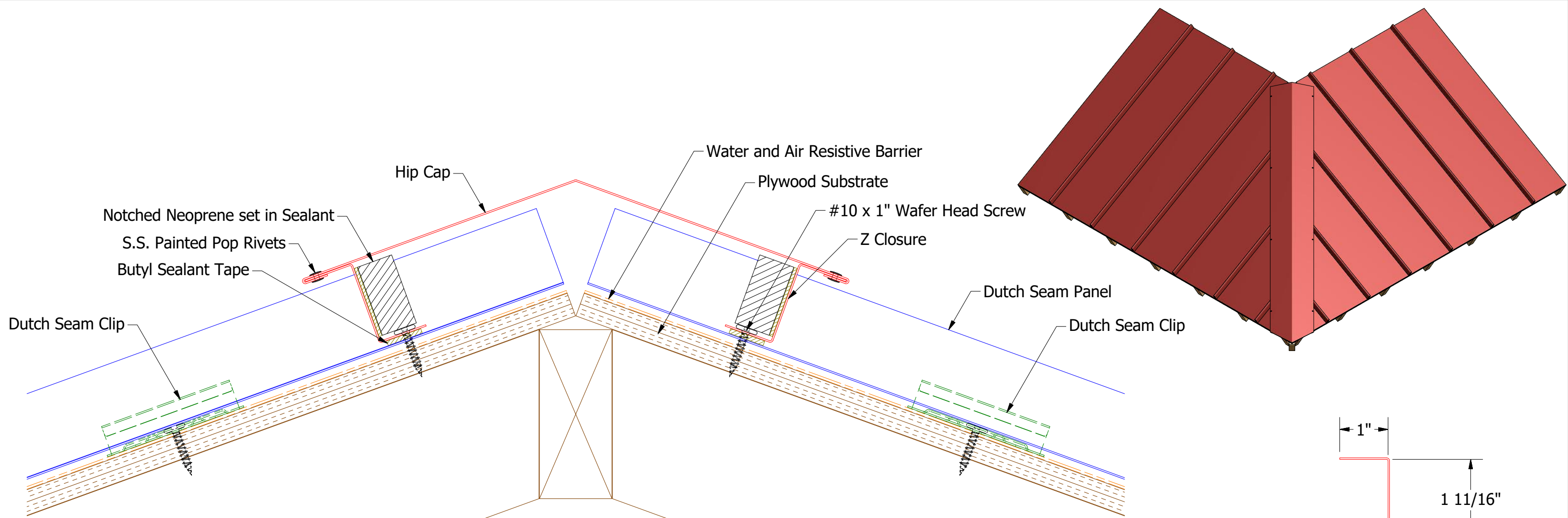
MDA910 - Z Closure

Note: \* denotes color side.

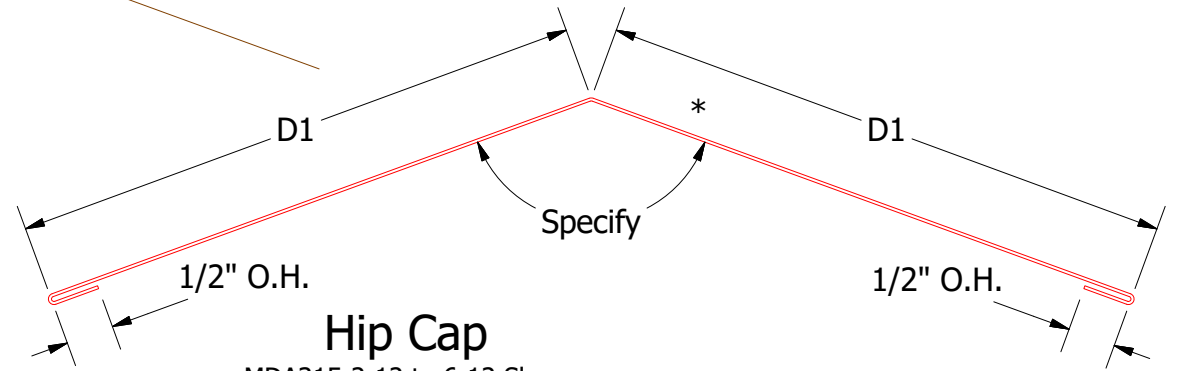
		ATAS INTERNATIONAL, INC	
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TITLE			
Dutch Seam Ending Sidewall Detail			
DR	DATE	1/27/2015	
KRK	APP		
MATERIAL		DATE	
SH. SIZE	B	SCALE	X:X

02	5/29/2019	Updated Clip Information	AJZ	KRK
01	6/7/2017	Updated Trim Hem	KRK	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP





**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.

01

REV. NO.

5/29/2019

DATE

Updated Clip Information

DESCRIPTION OF REVISION

AJZ

BY

KRK

APP

TITLE

Dutch Seam Hip Detail

DWG. NO.

MATERIAL

DR

KRK

DATE

1/28/2015

SH. SIZE

B

SCALE

X:X

ATAS

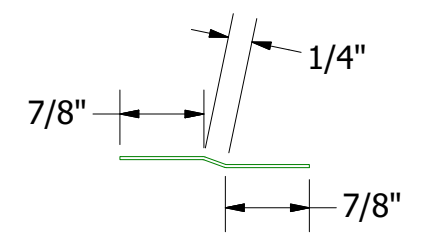
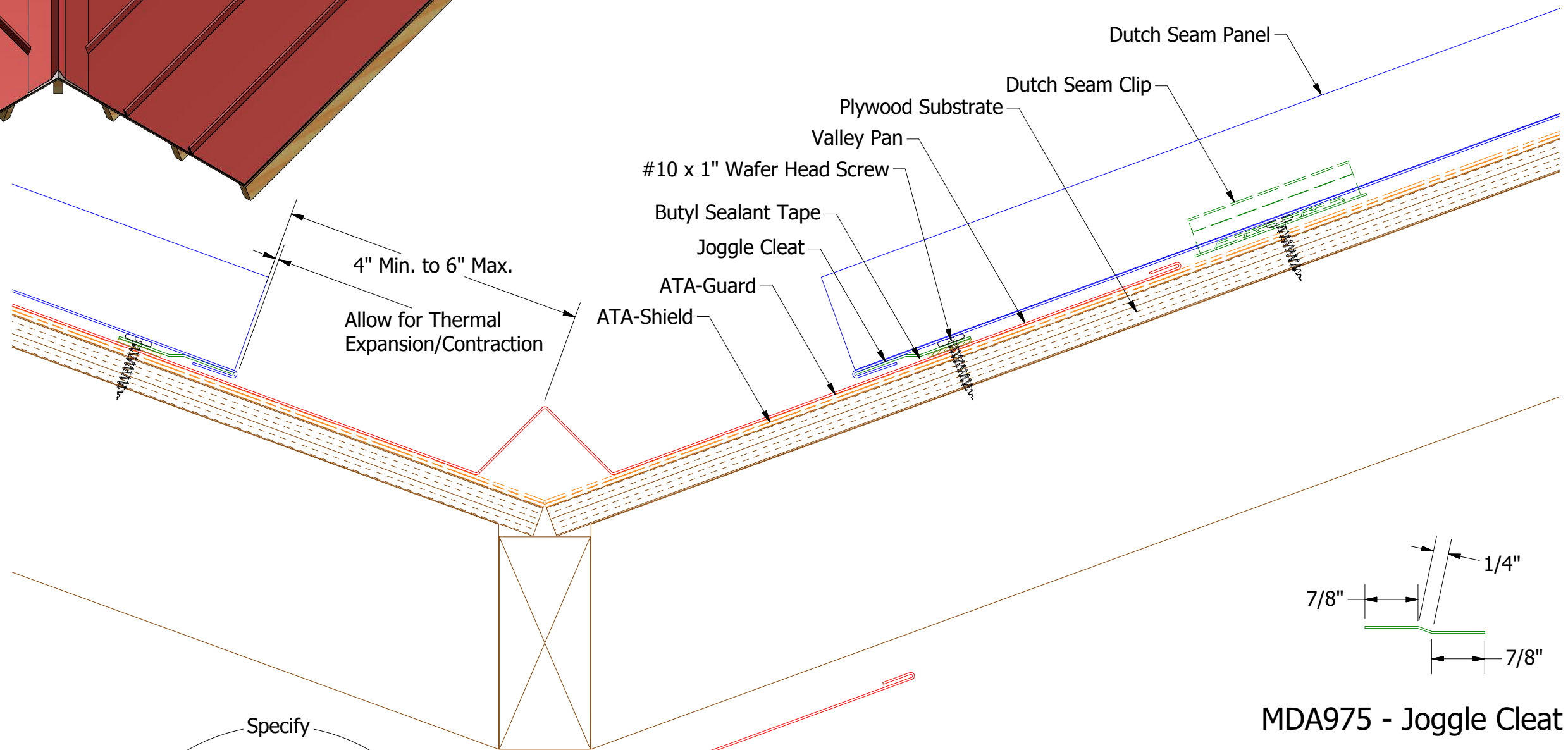
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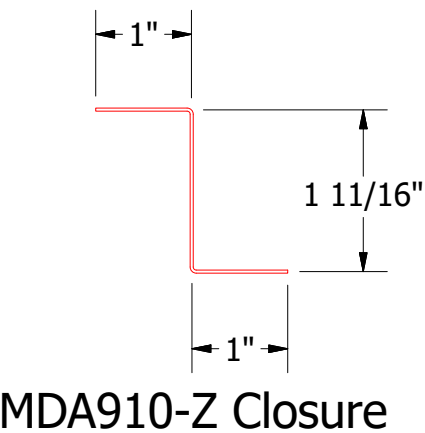
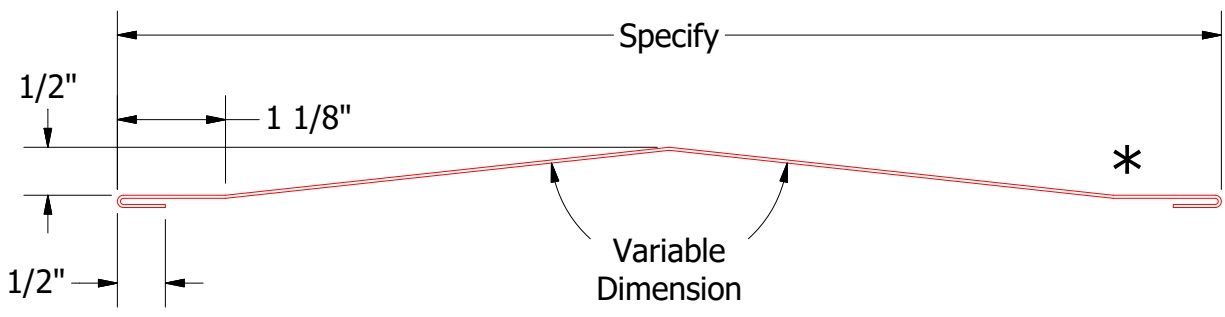
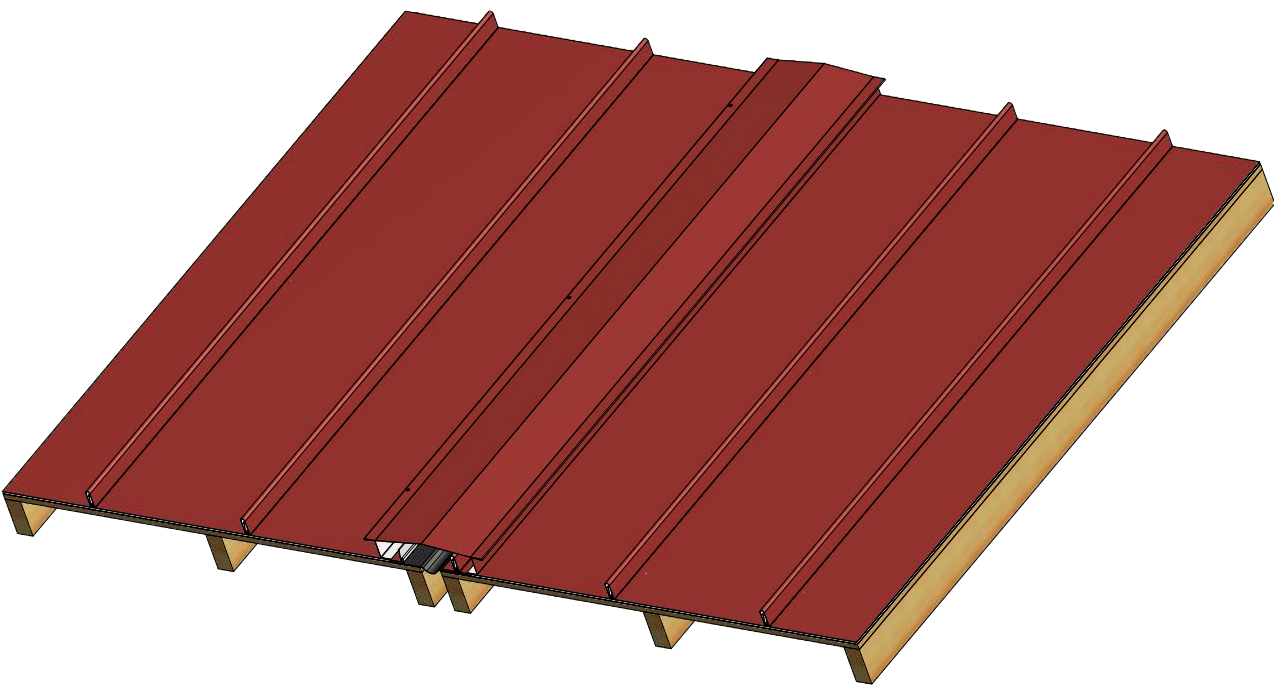
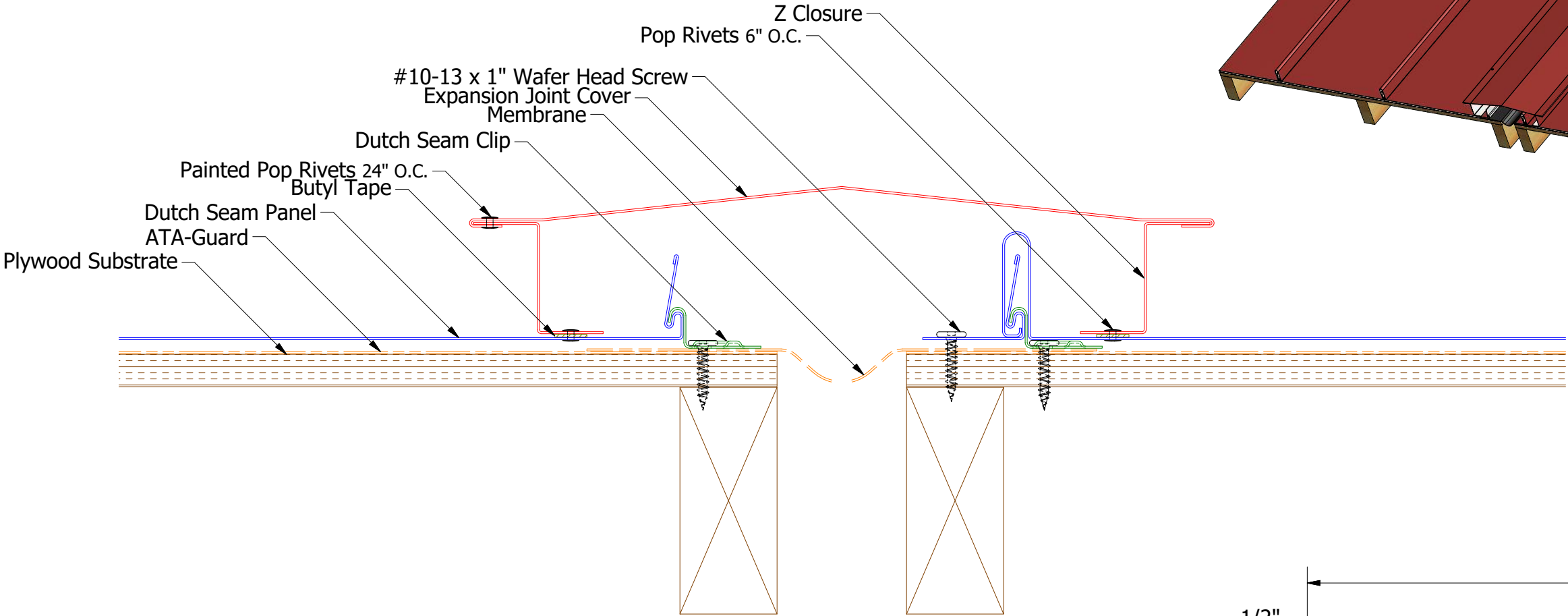


## MDA800 - Valley Pan

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

Note: \* denotes color side.



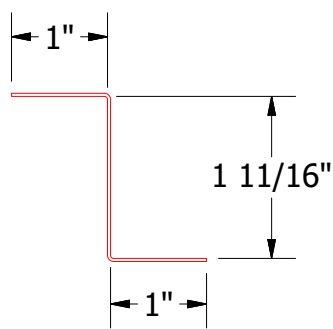
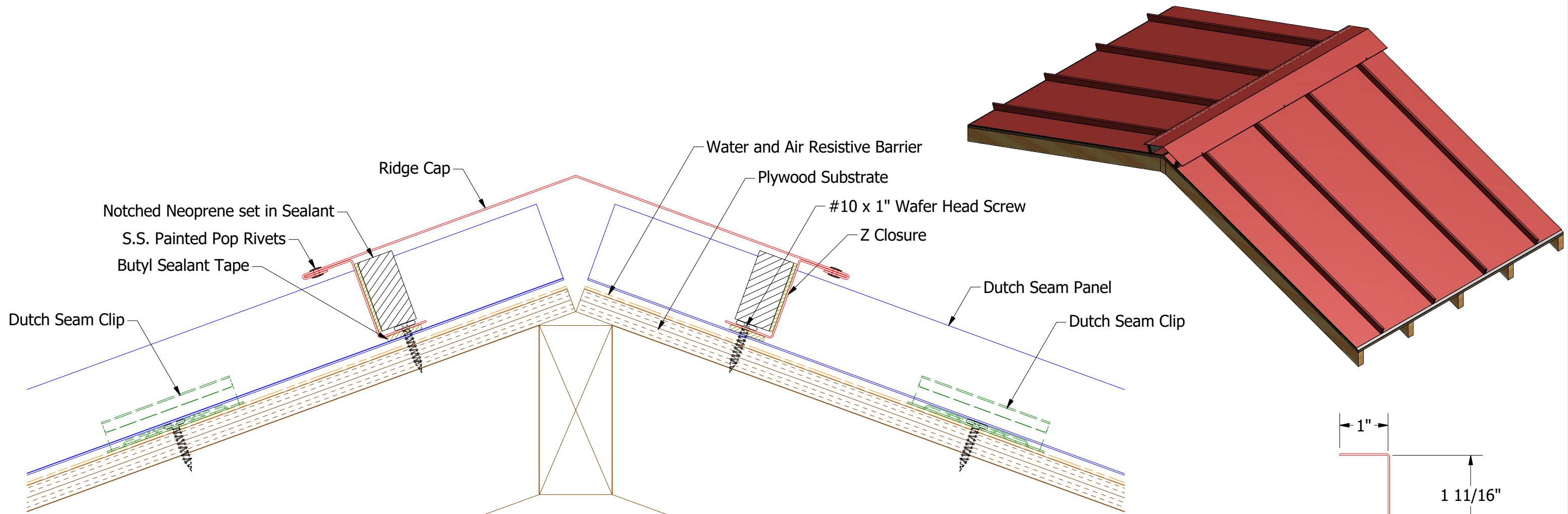


Note: \* denotes color side.

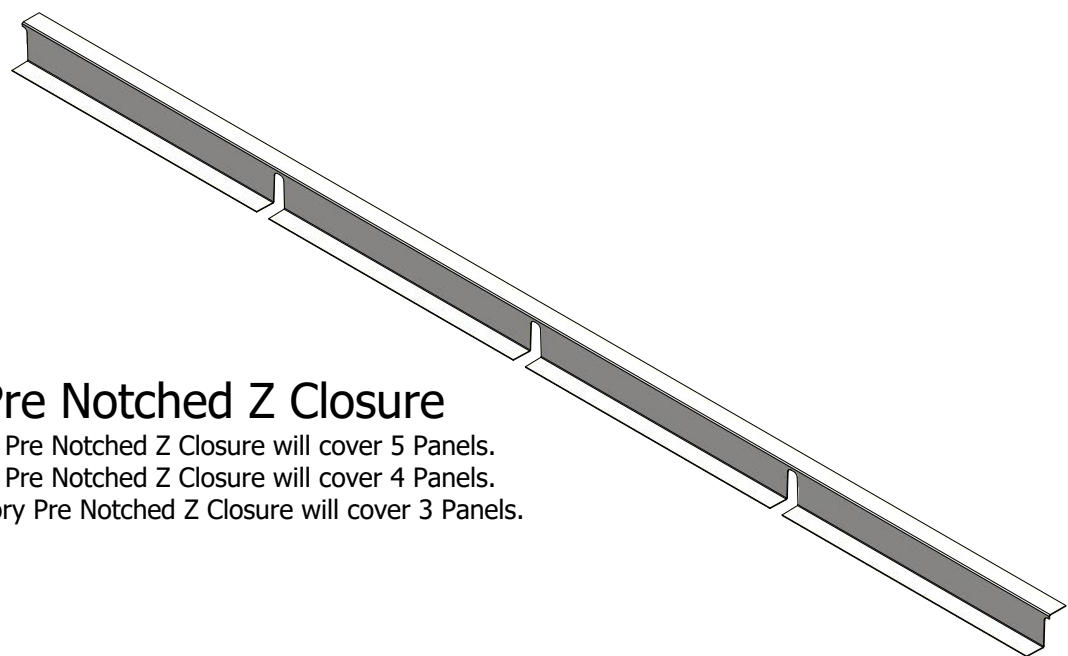
MDA939-Expansion Joint Cover

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		Updated Clip Information	
REV. NO.				DATE		BY	APP
				DESCRIPTION OF REVISION		BY	APP
						SH. SIZE	SCALE
						B	X:X

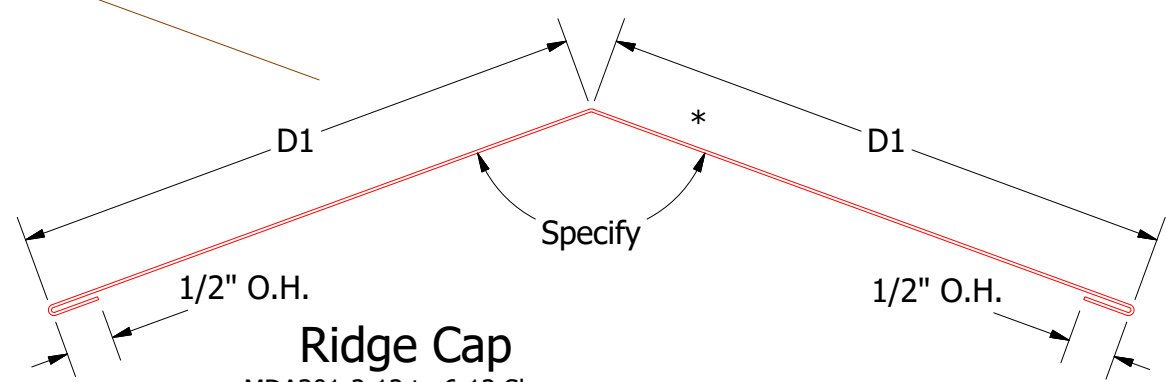


MDA910-Z Closure



Factory Pre Notched Z Closure

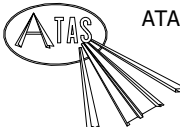
- 11" Panel - Factory Pre Notched Z Closure will cover 5 Panels.
- 15" Panel - Factory Pre Notched Z Closure will cover 4 Panels.
- 19 1/4" Panel - Factory Pre Notched Z Closure will cover 3 Panels.



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.

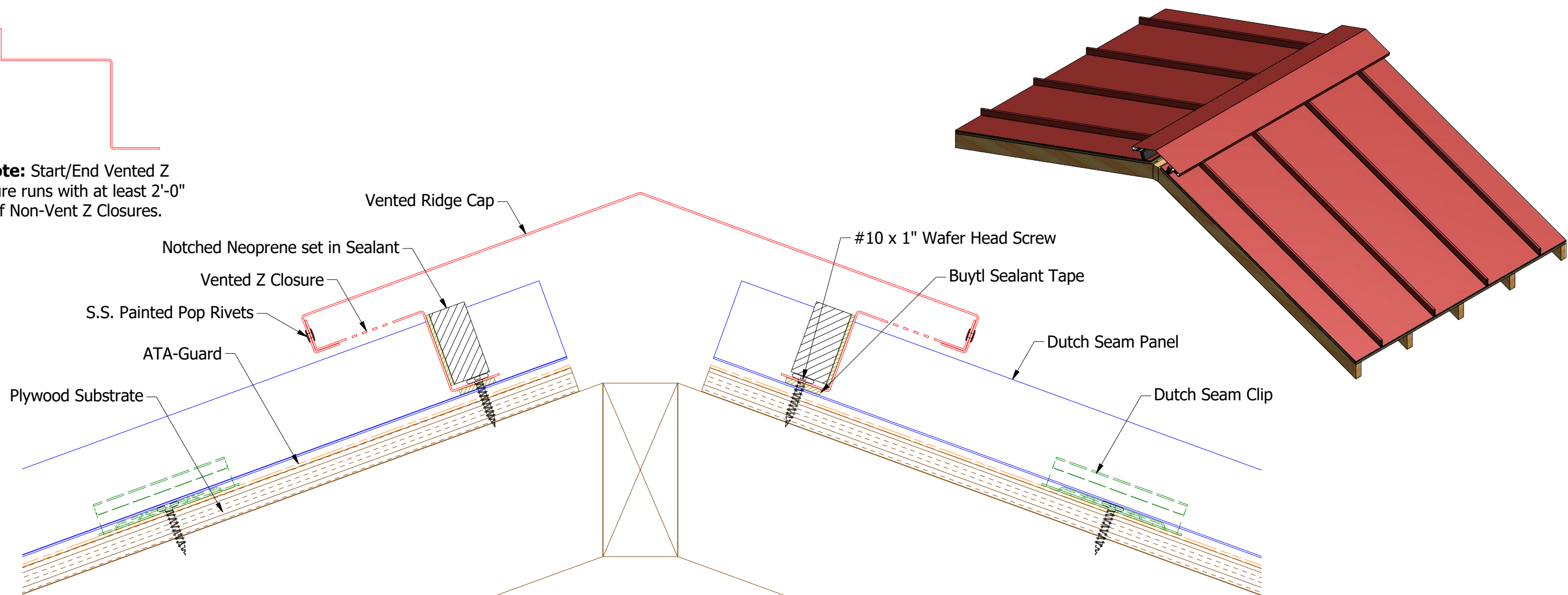


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TITLE Dutch Seam Ridge Detail		
DWG. NO.	DR KRK	DATE 1/27/2015
MATERIAL	APP KRK	DATE
SH. SIZE B	SCALE X:X	

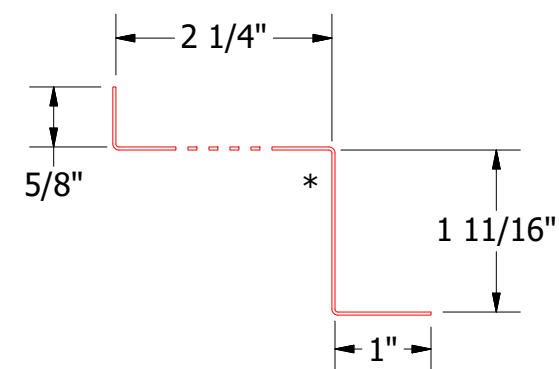
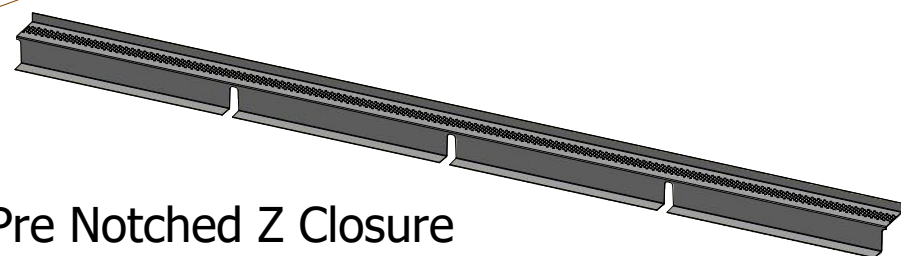
01	5/29/2019	Updated Clip Information	AJZ	KRK	
REV. NO.	DATE	DESCRIPTION OF REVISION	BY	APP	

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

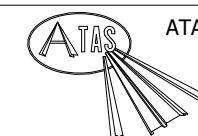


### Factory Vented Pre Notched Z Closure

- 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.



### MDA911-Vented Z Closure



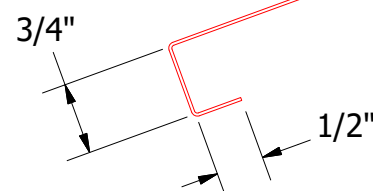
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#### TITLE Dutch Seam Vented Ridge Detail

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

### Vented Ridge Cap

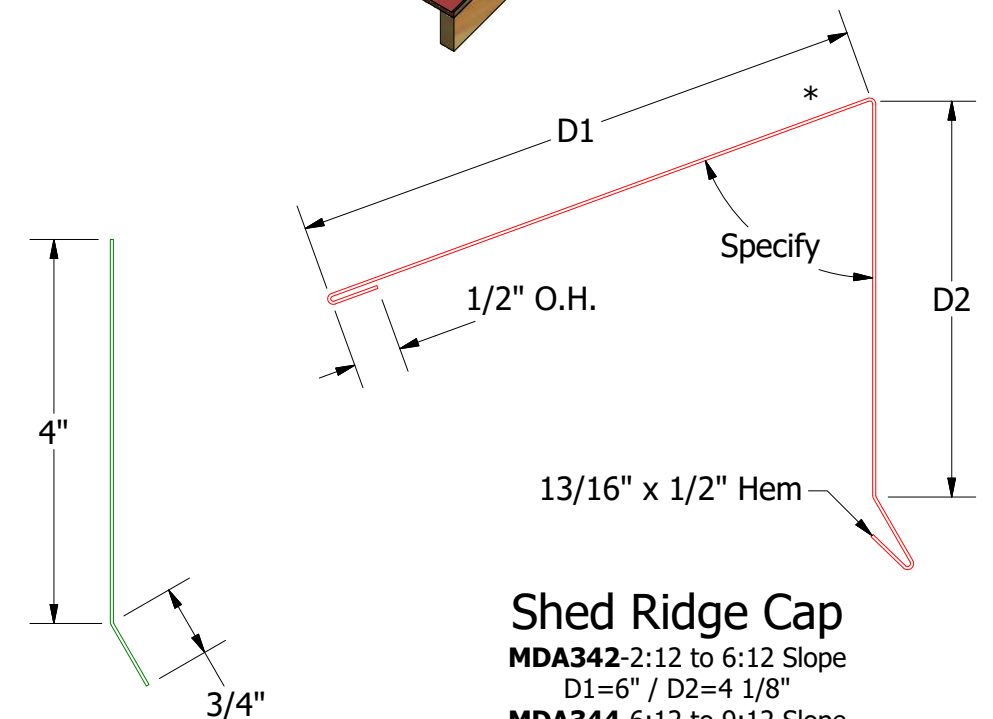
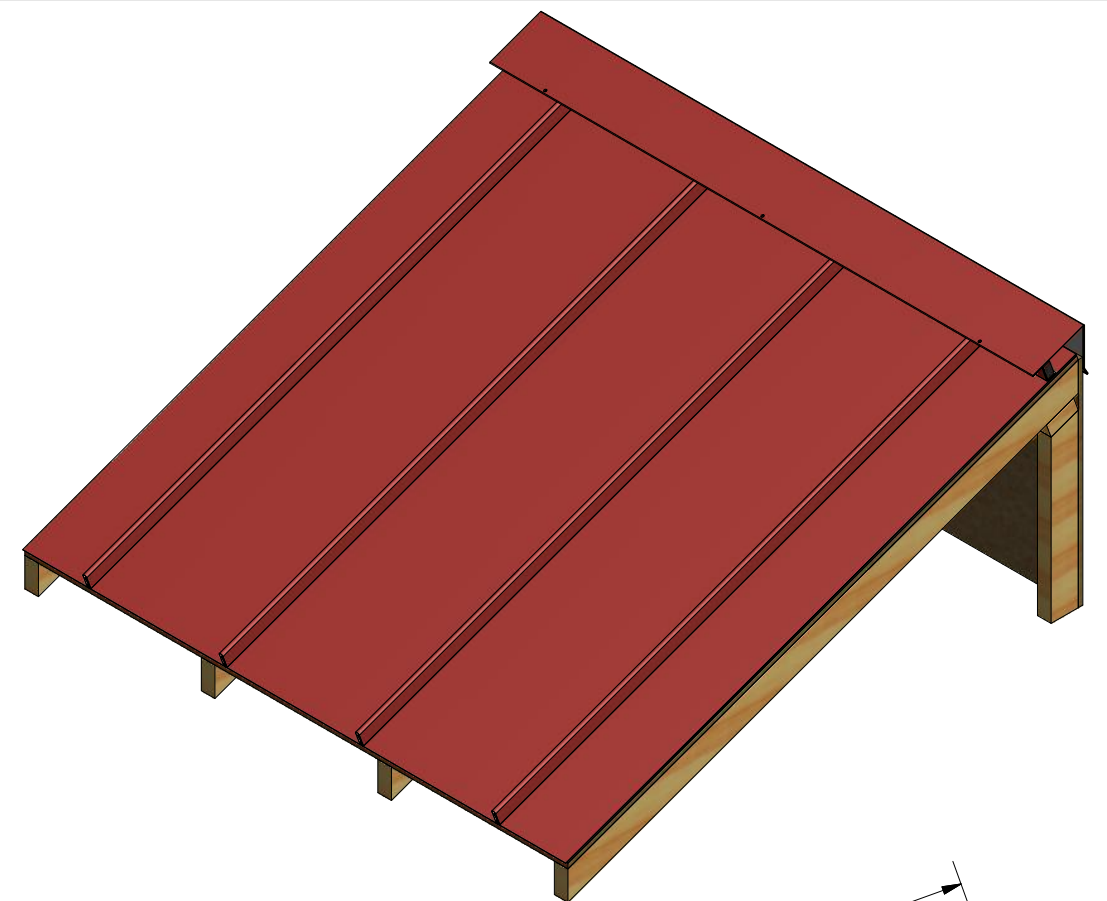
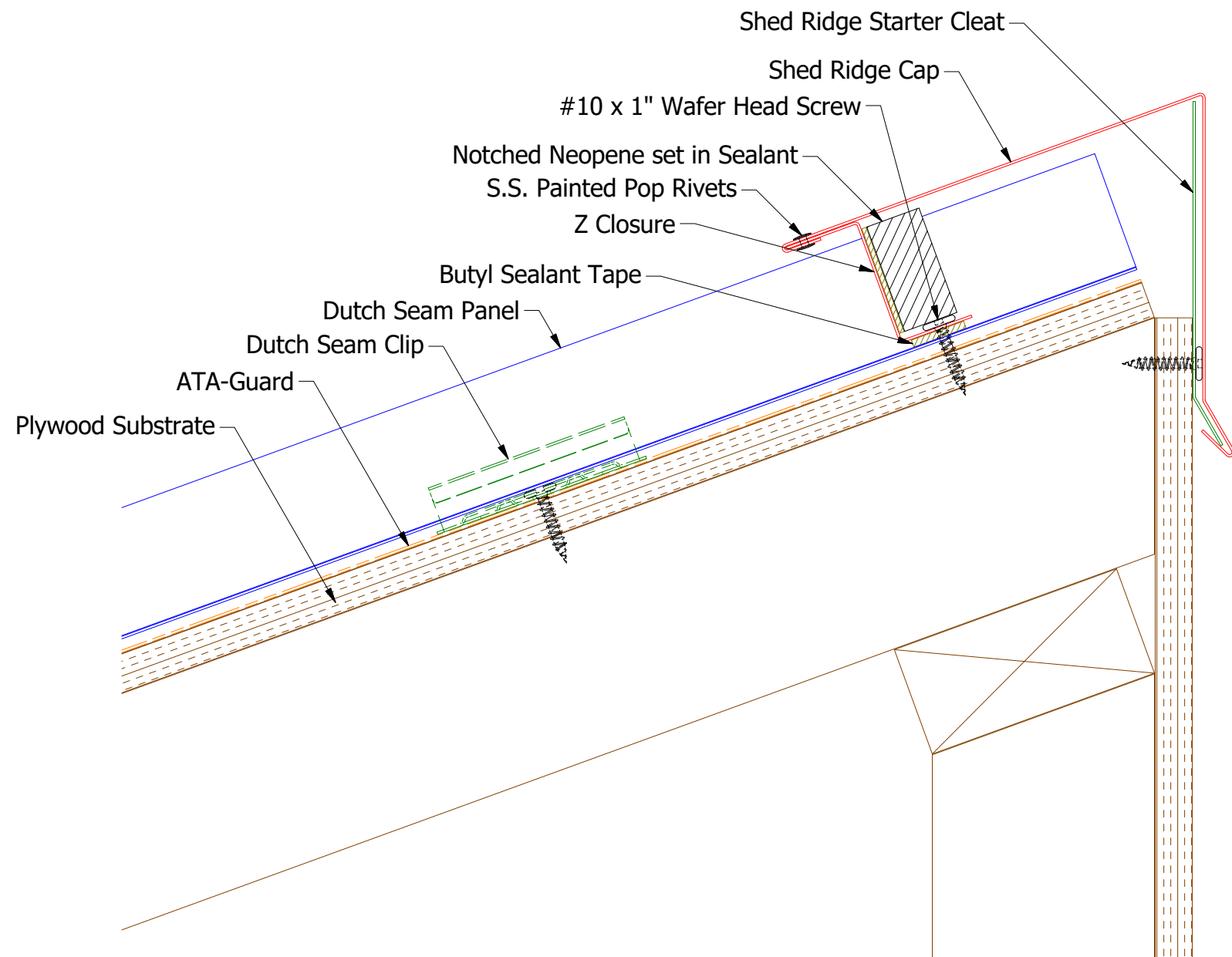
- MDA322-2:12 to 6:12 Slope  
D1=7 1/4"
- MDA324-6:12 to 9:12 Slope  
D1=8 1/4"
- MDA326-9:12 to 12:12 Slope  
D1=9 1/4"



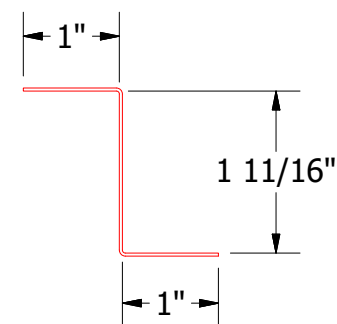
Note: \* denotes color side.

**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.



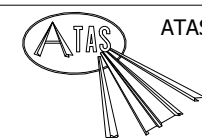
MDA910 - Z Closure

### 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"

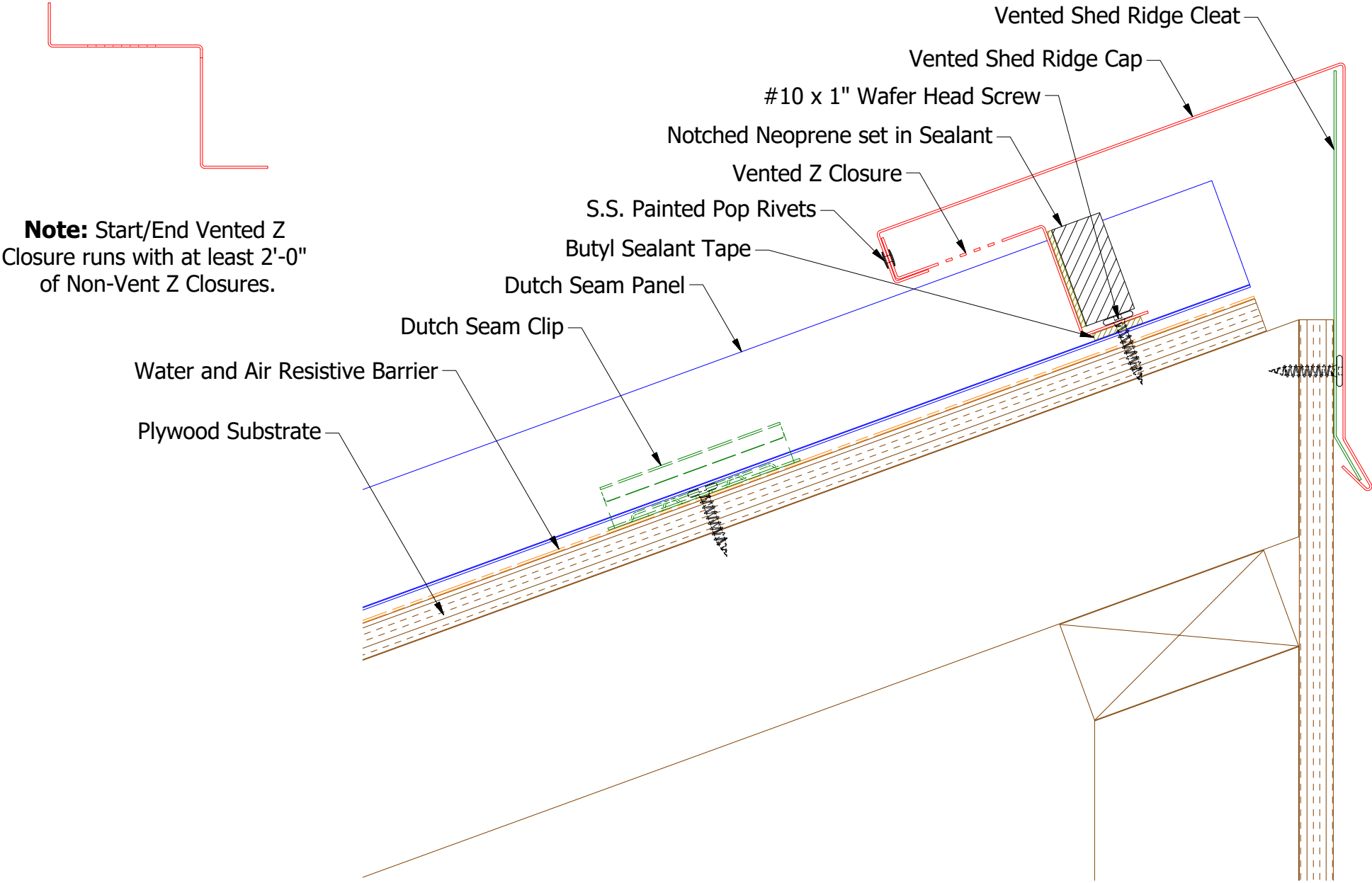


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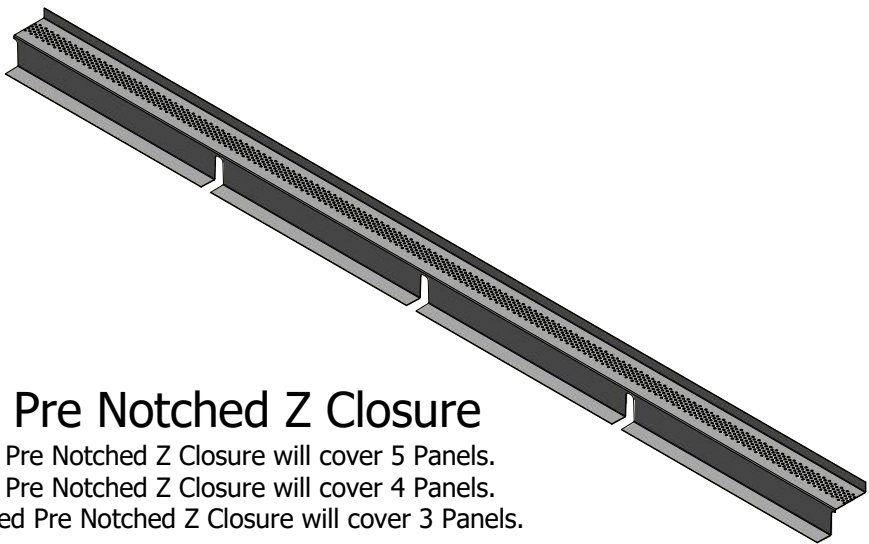
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Dutch Seam Shed Ridge Detail			
DWG. NO.	DR	KRK	DATE
1	5/30/2019	Updated Clip Information	AJZ KRK
REV. NO.	DATE	DESCRIPTION OF REVISION	BY APP
SH. SIZE	B	SCALE	X:X

Note: \* denotes color side.

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



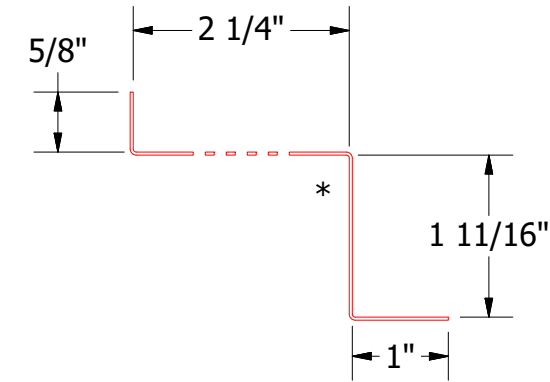
**Note:** Start/End Vented Z Closure runs with at least 2'-0" of Non-Vent Z Closures.



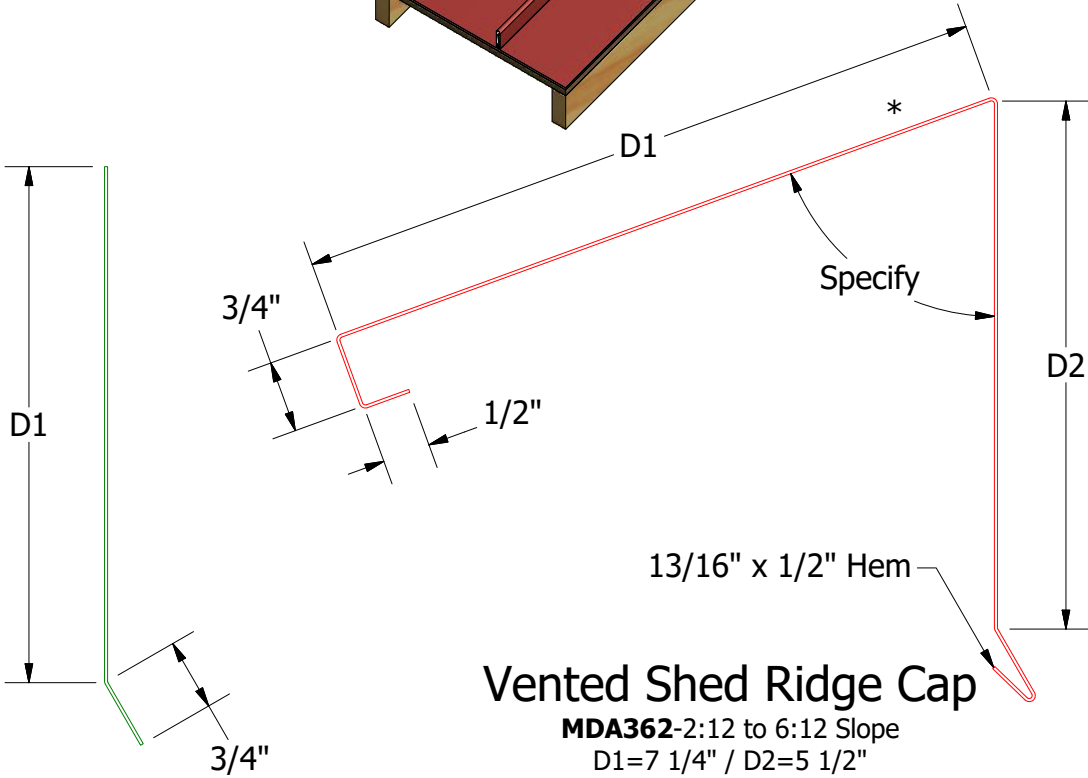
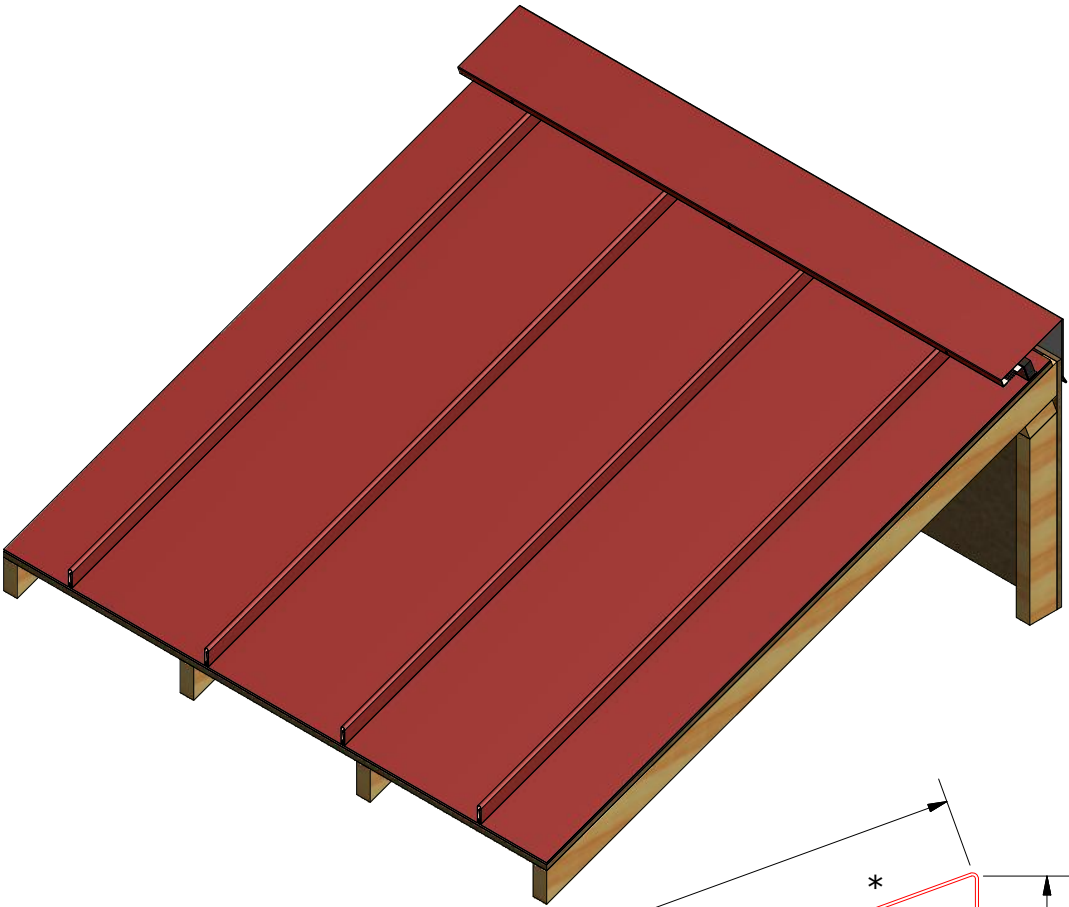
**Factory Vented Pre Notched Z Closure**

- 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"

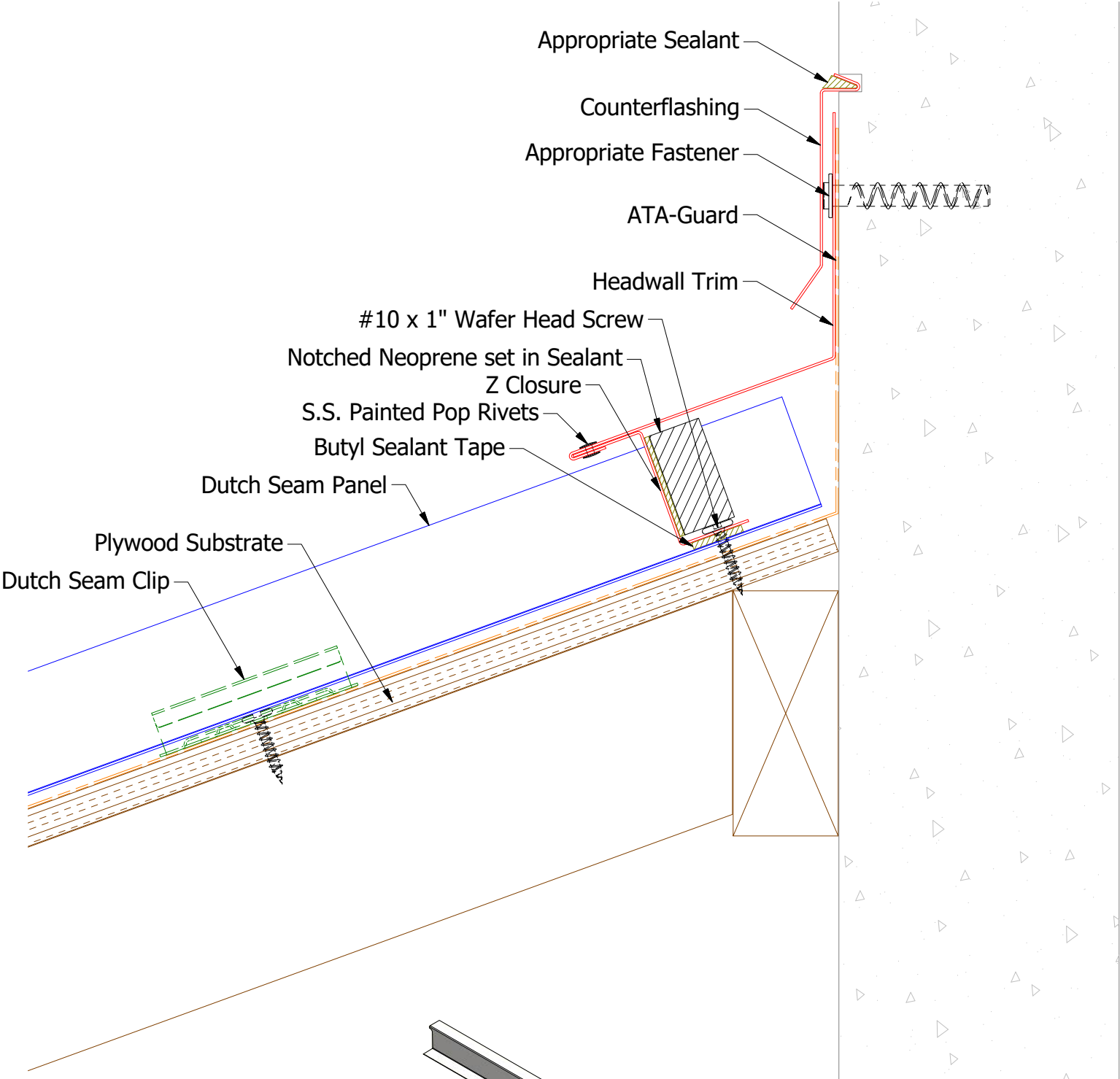
**Vented Shed Ridge Cap**

- 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	DATE
		KRK	2/5/2015
MATERIAL		APP	DATE
		SH. SIZE	SCALE
		B	X:X

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

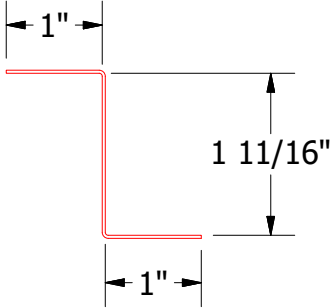
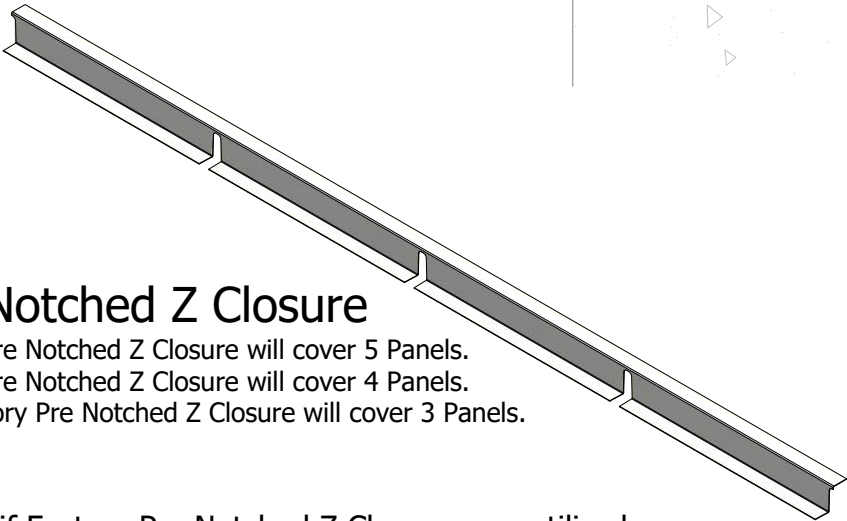




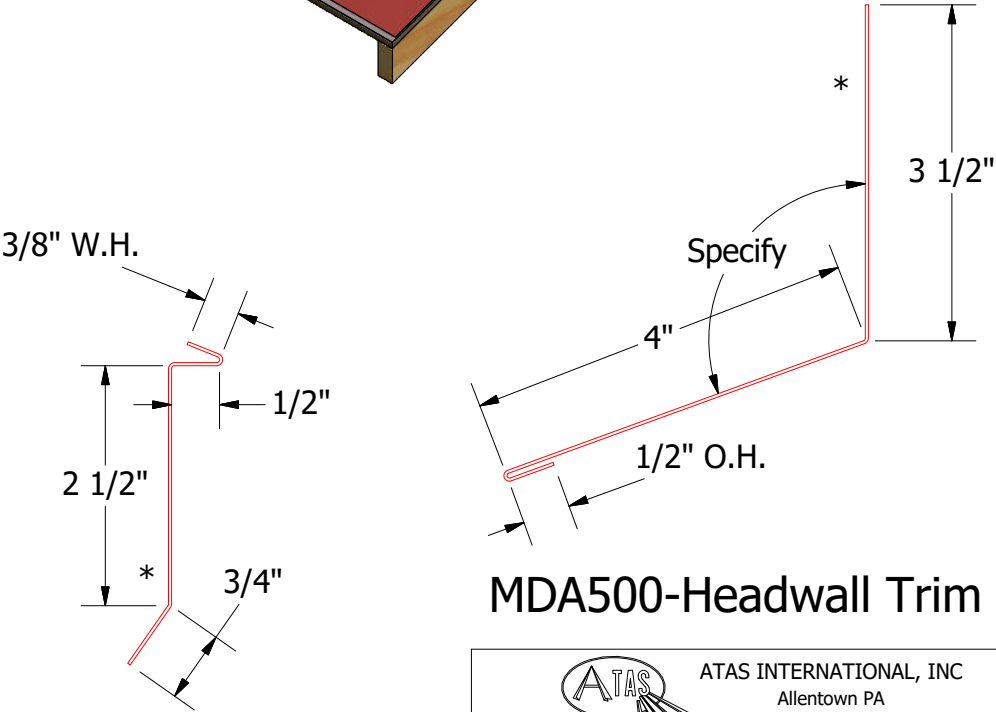
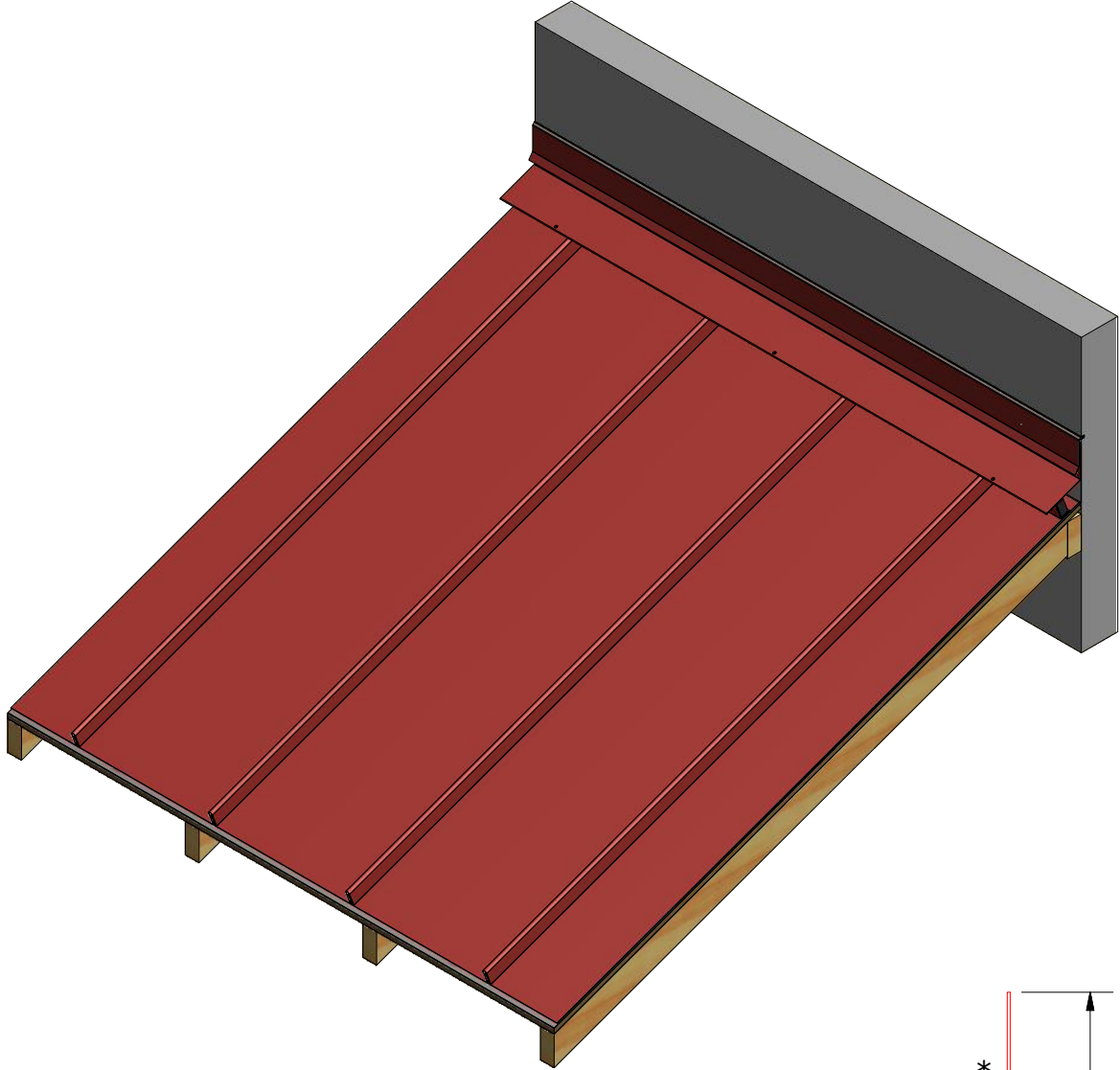
Factory Pre Notched Z Closure

- 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.



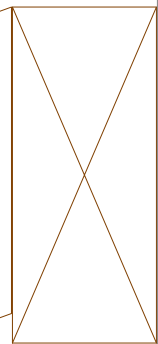
MDA910-Z Closure



MDA980-Counterflashing

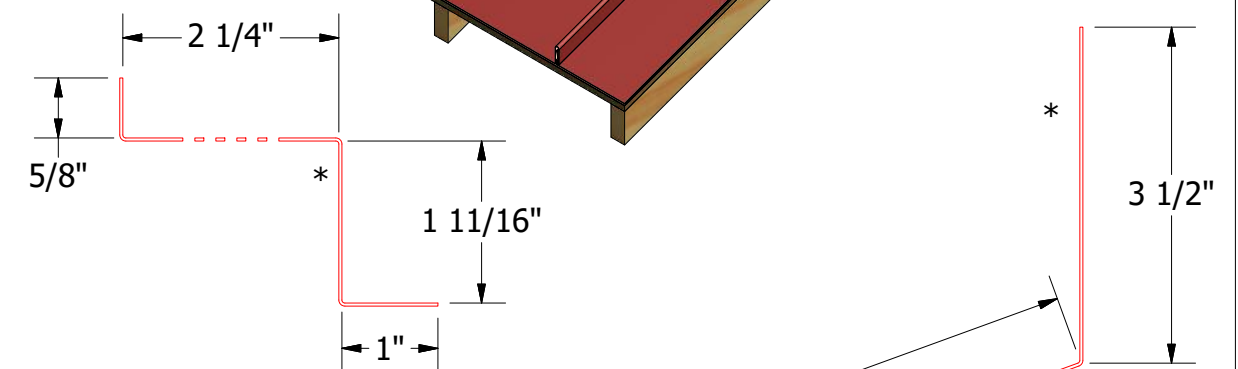
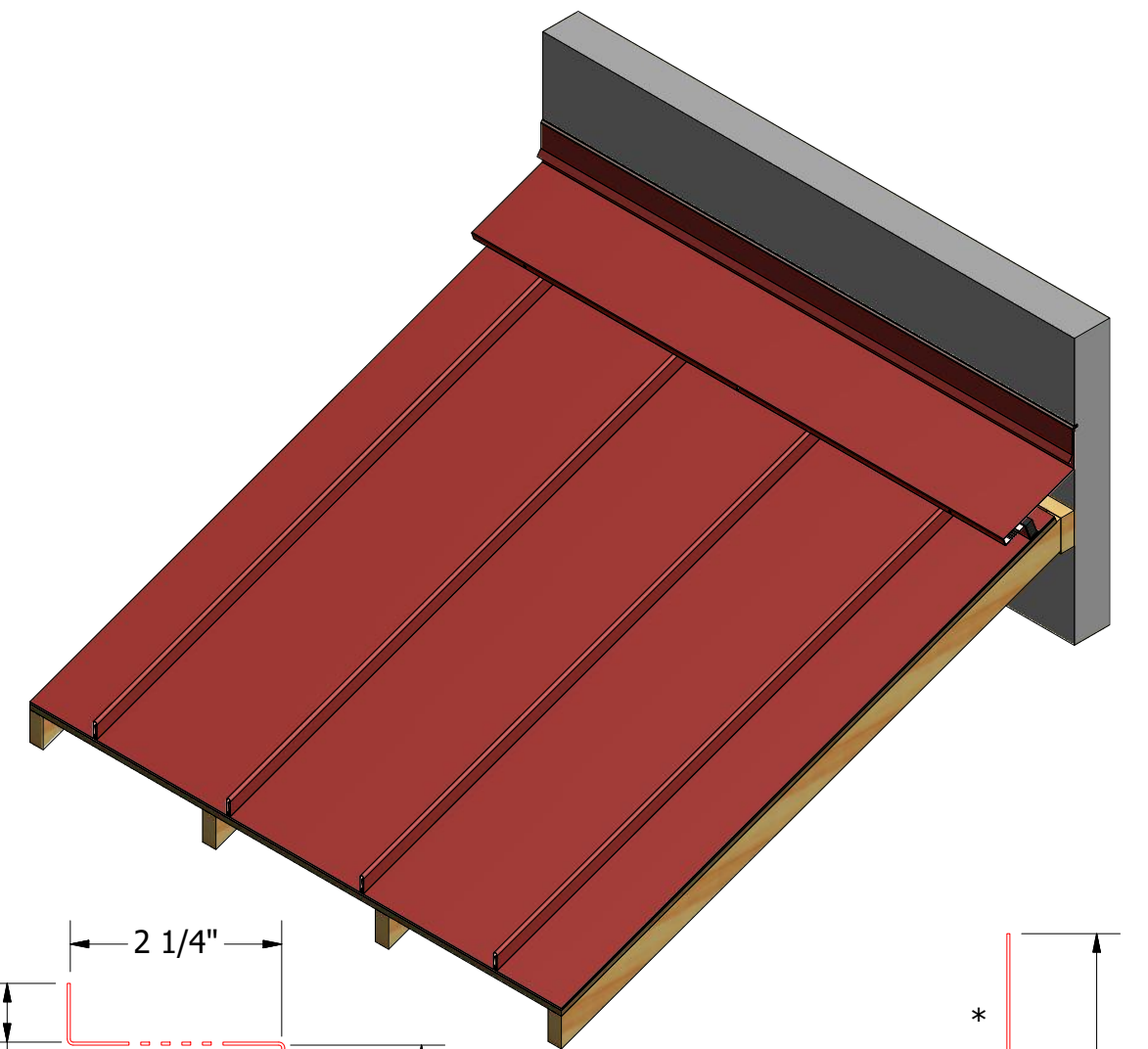
MDA500-Headwall Trim

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

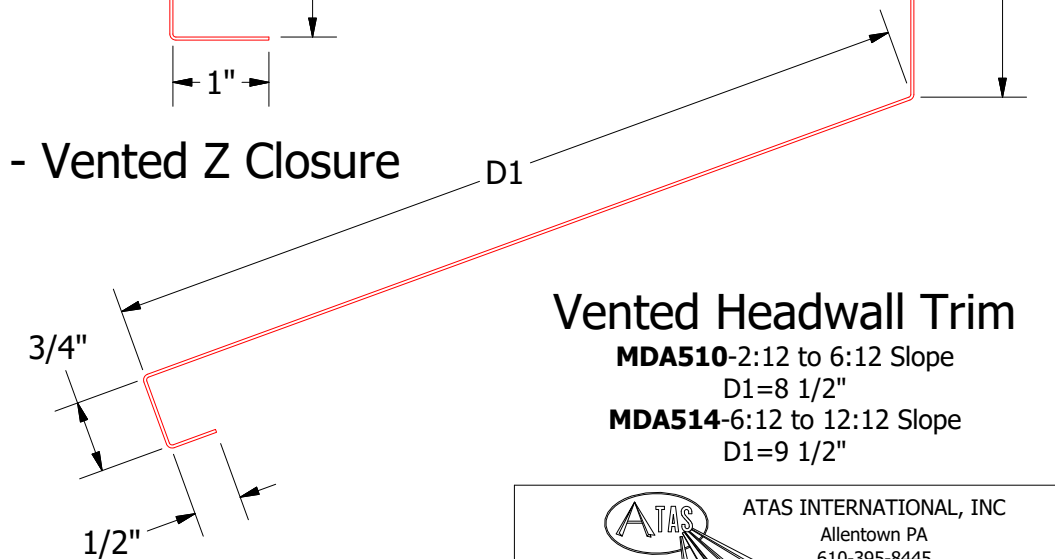


**11" Panel** - Factory Vented Pre Notched Z Closure will cover 5 Panels.  
**15" Panel** - Factory Vented Pre Notched Z Closure will cover 4 Panels.  
**19 1/4" Panel** - Factory Vented Pre Notched Z Closure will cover 3 Panels.

## MDA980-Counterflashing

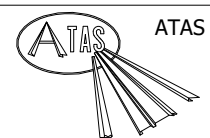


## MDA911 - Vented Z Closure



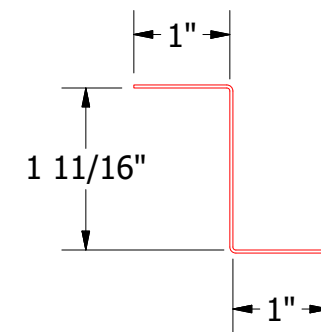
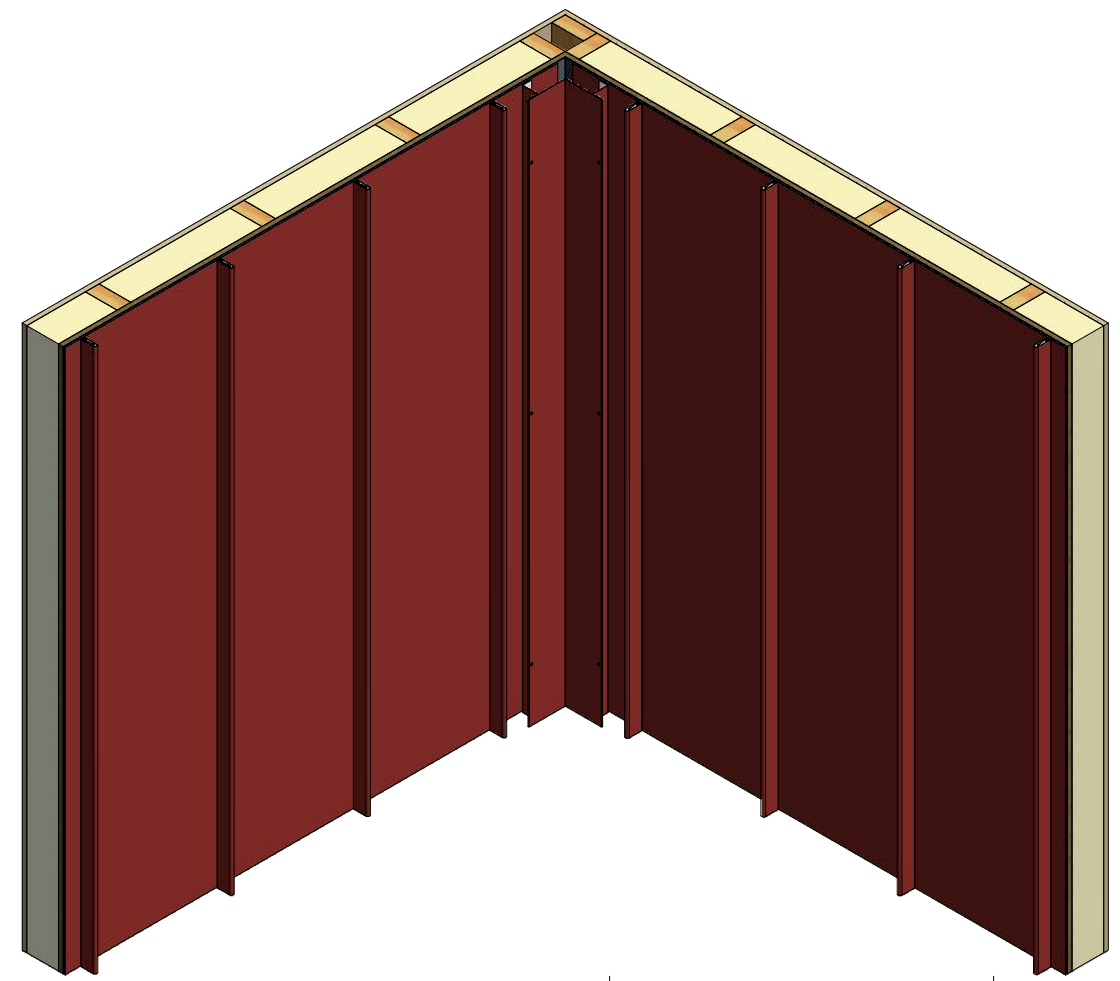
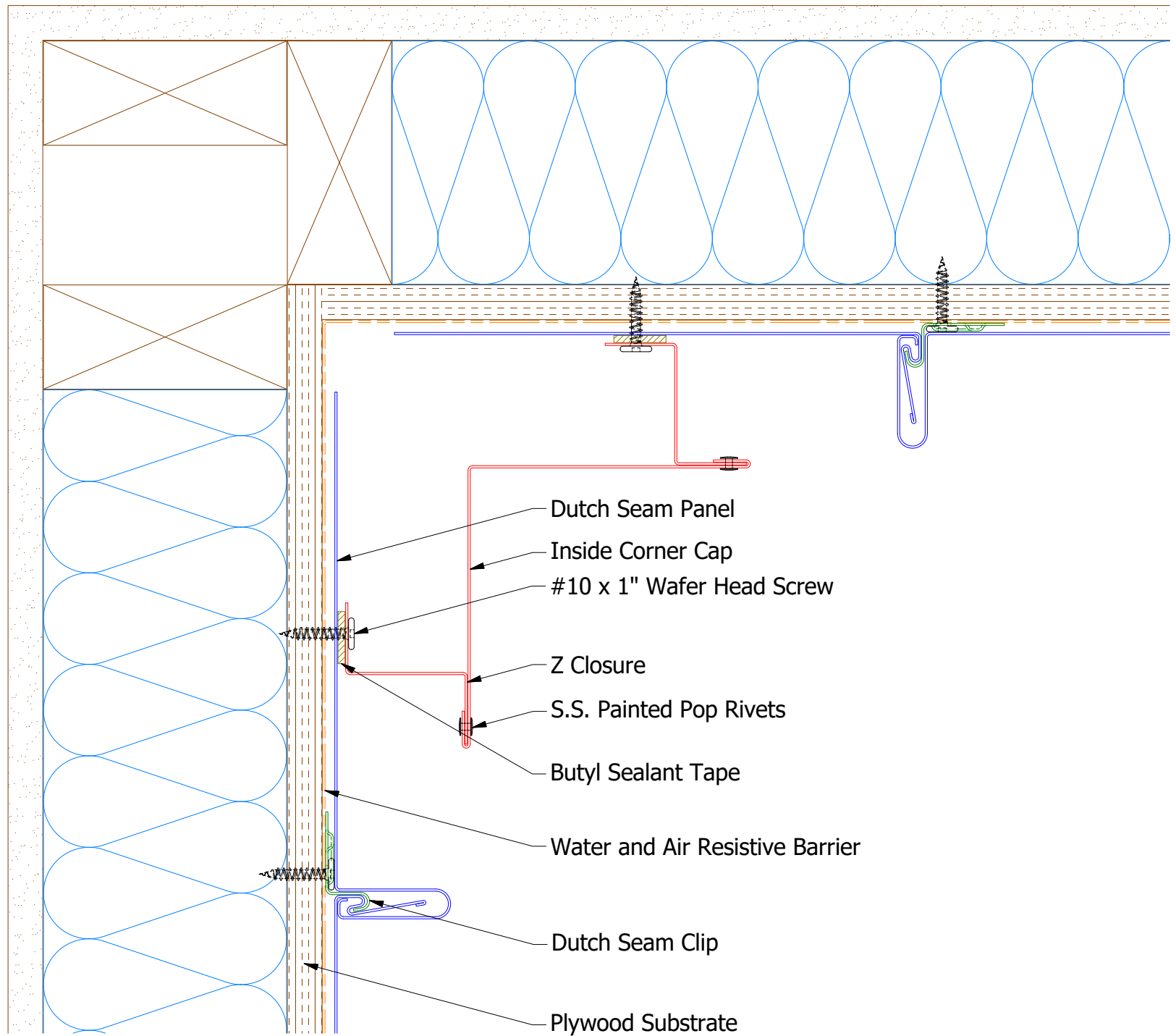
**MDA510-2:12 to 6:12 Slope**  
D1=8 1/2"

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

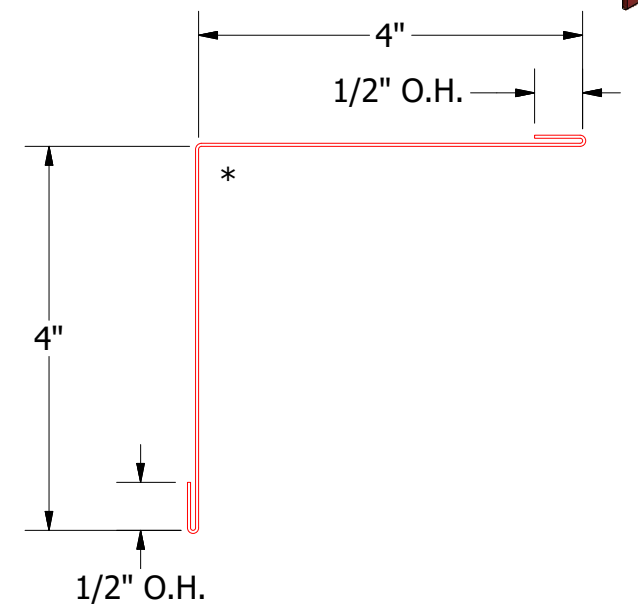


**ATAS INTERNATIONAL, INC**  
Allentown PA  
610-395-8445  
Mesa AZ  
480-558-7210

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



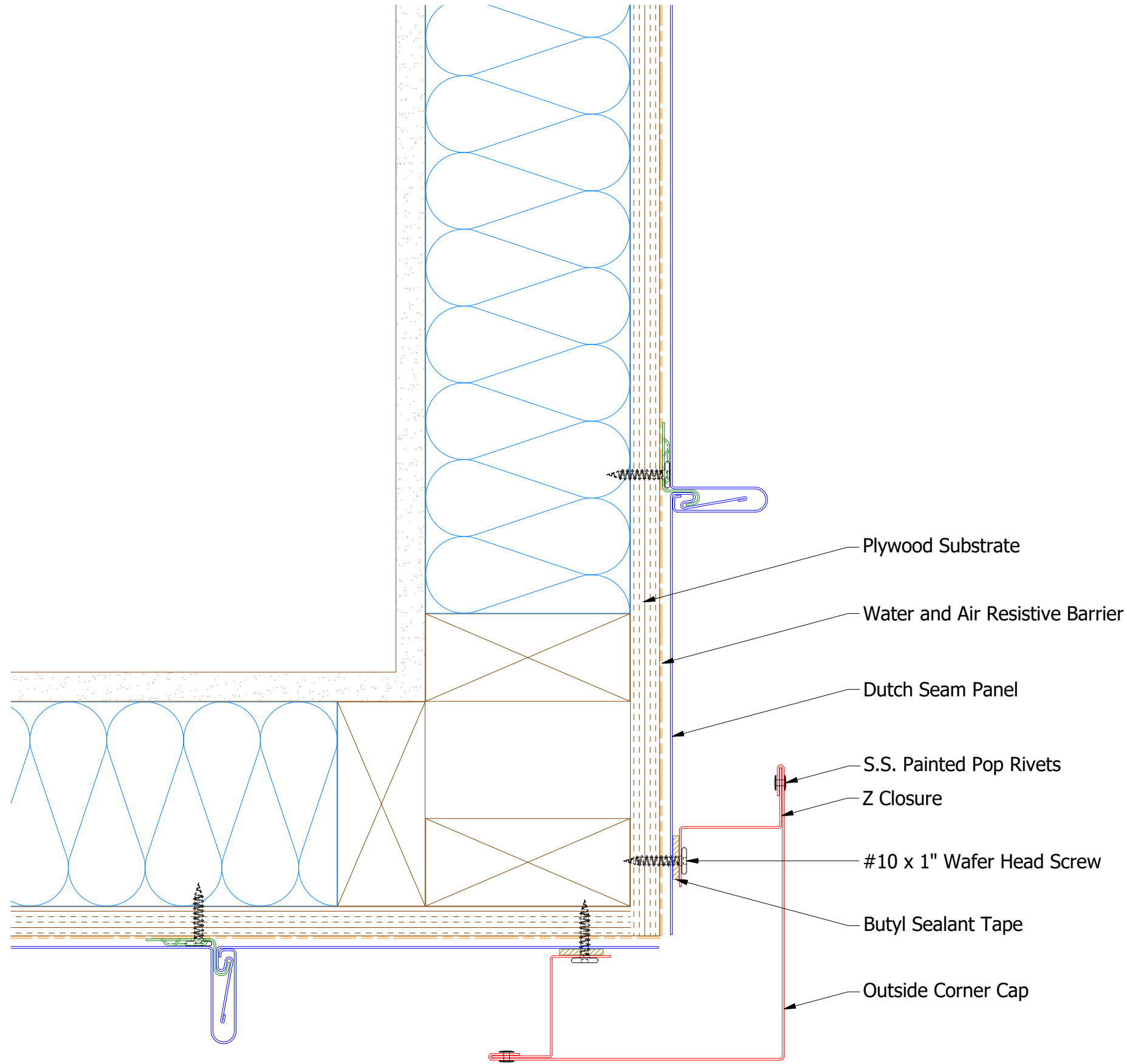
MDA910 - Z Closure



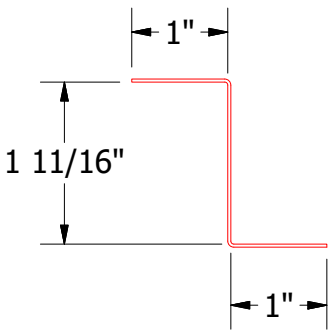
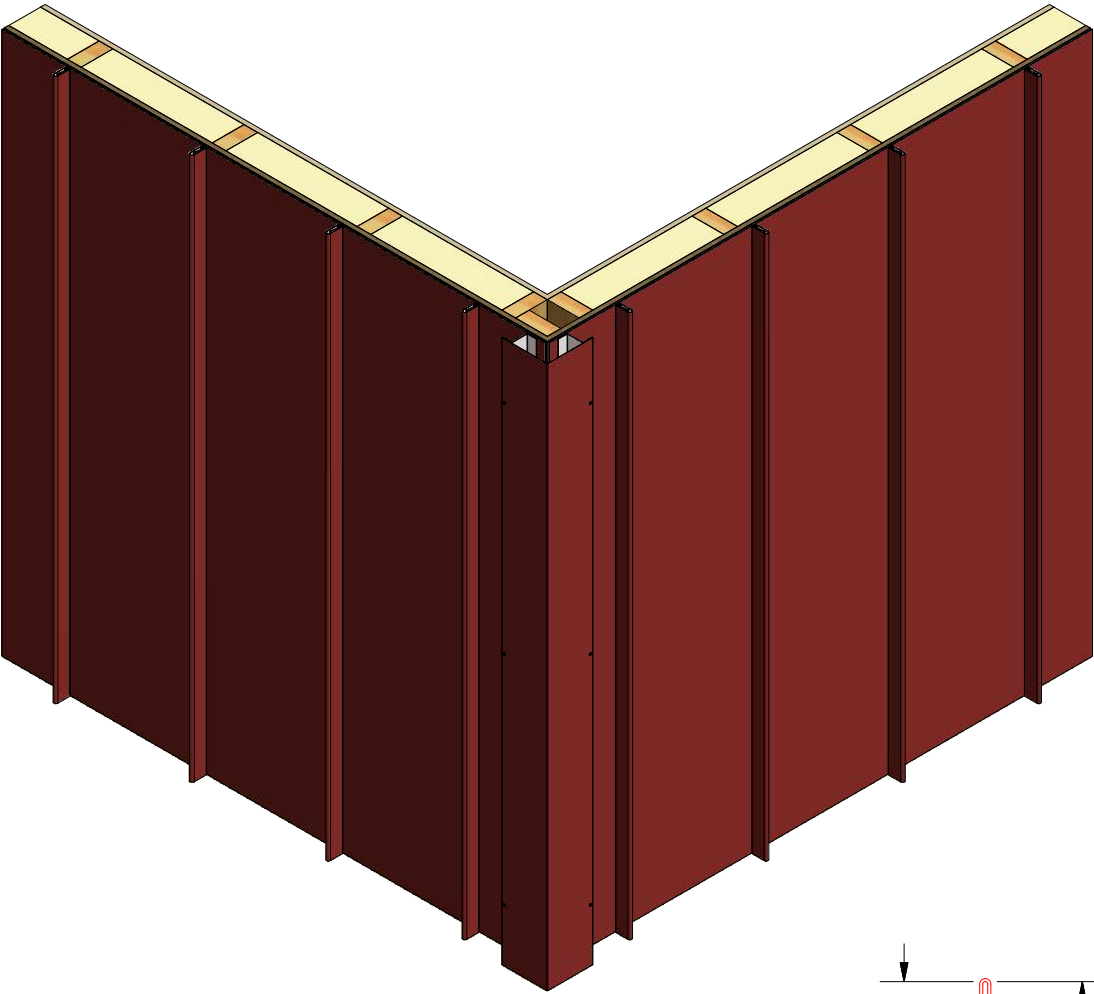
MDA600 - Inside Corner Cap

Note: \* denotes color side.

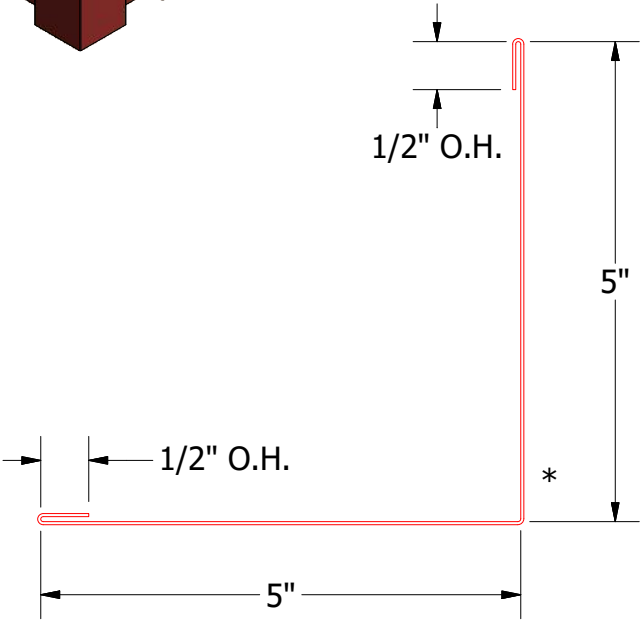
TITLE			
Dutch Seam Inside Corner Detail			
DWG. NO.		DR	DATE
		KRK	1/28/2015
REV. NO.		APP	DATE
01			
DATE		SH. SIZE	SCALE
3/28/2022		B	X:X
DESCRIPTION OF REVISION		BY	APP
Updated Substrate		KRK	



Note: \* denotes color side.



MDA910-Z Closure



MDA610 - Outside Corner Cap

								Dutch Seam Outside Corner Detail	
						DWG. NO.		DR	DATE
								KRK	1/29/2015
01	3/28/2022	Updated Substrate		KRK			APP	DATE	
						MATERIAL			
REV. NO.	DATE	DESCRIPTION OF REVISION		BY	APP			SH. SIZE	SCALE
								B	X:X



