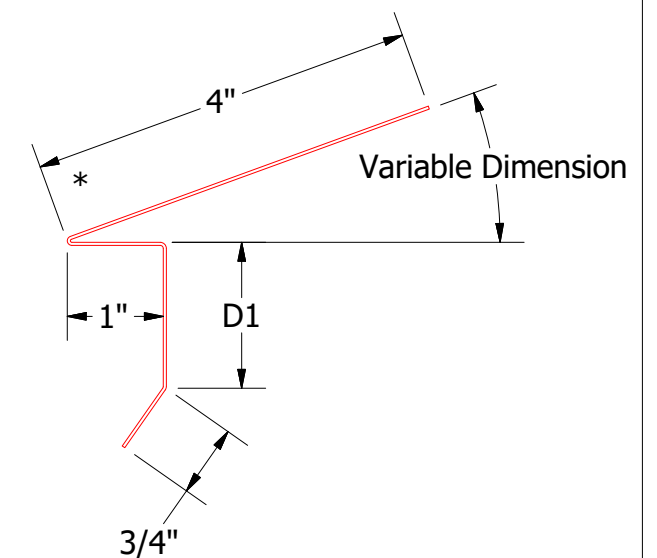
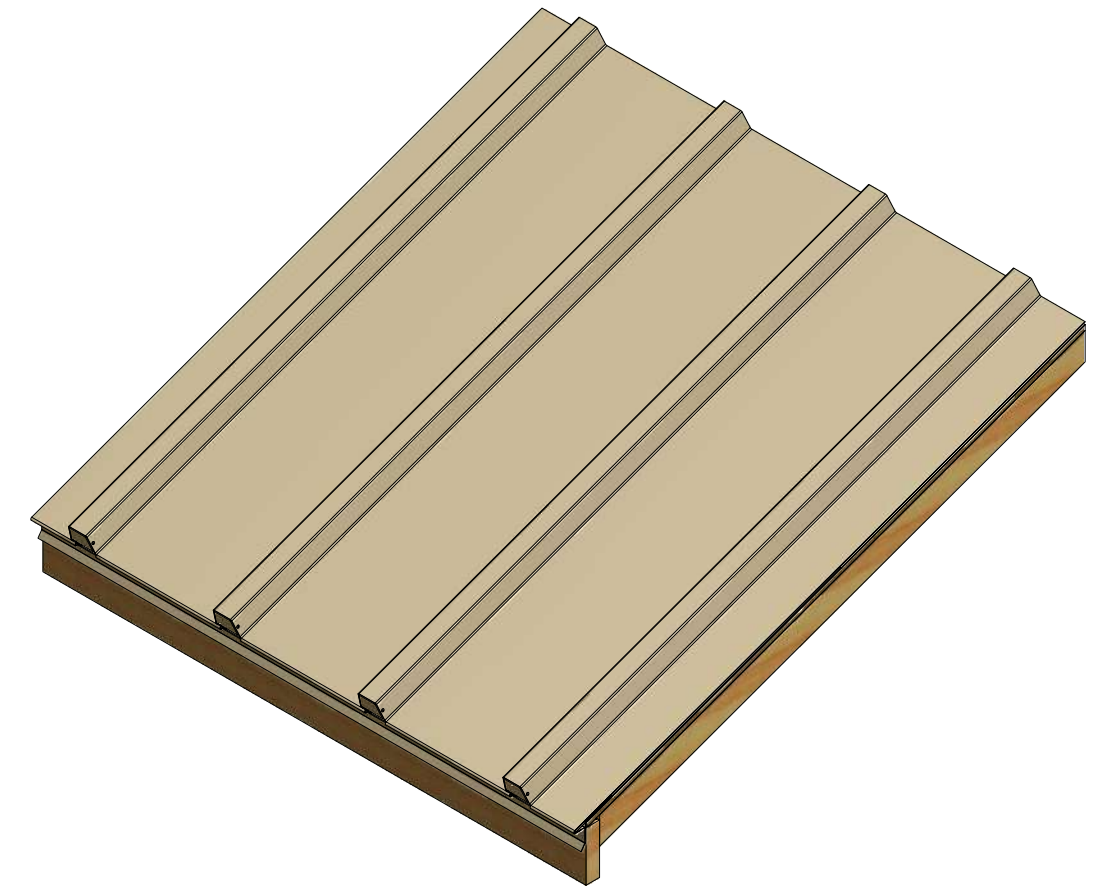
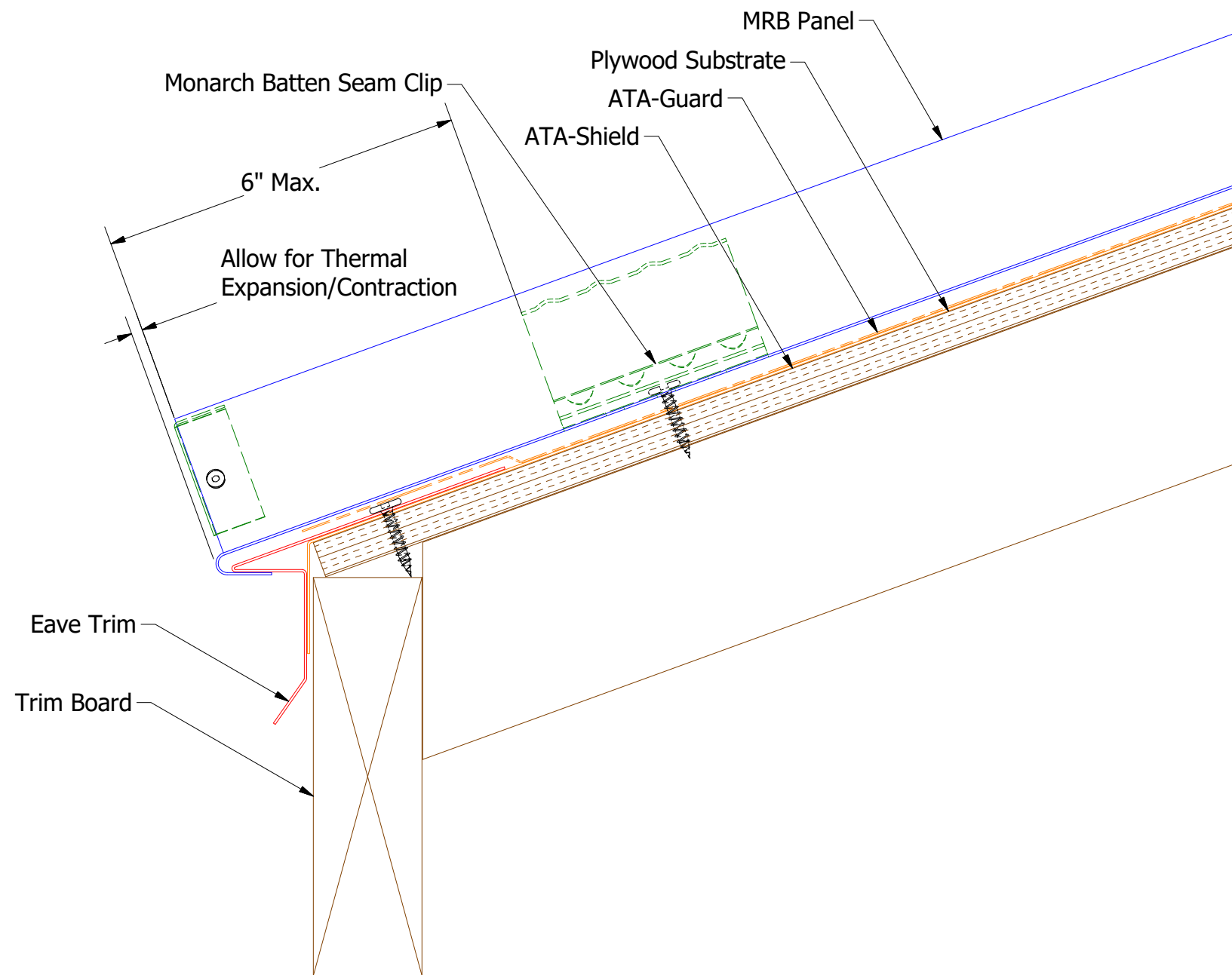




## Eave Trim

MRA111-2:12 to 4:12 Slope

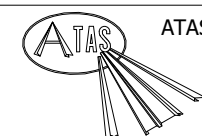
D1=1"

MRA112-4:12 to 8:12 Slope

D1=1 1/2"

MRA113-8:12 to 12:12 Slope

D1=2"

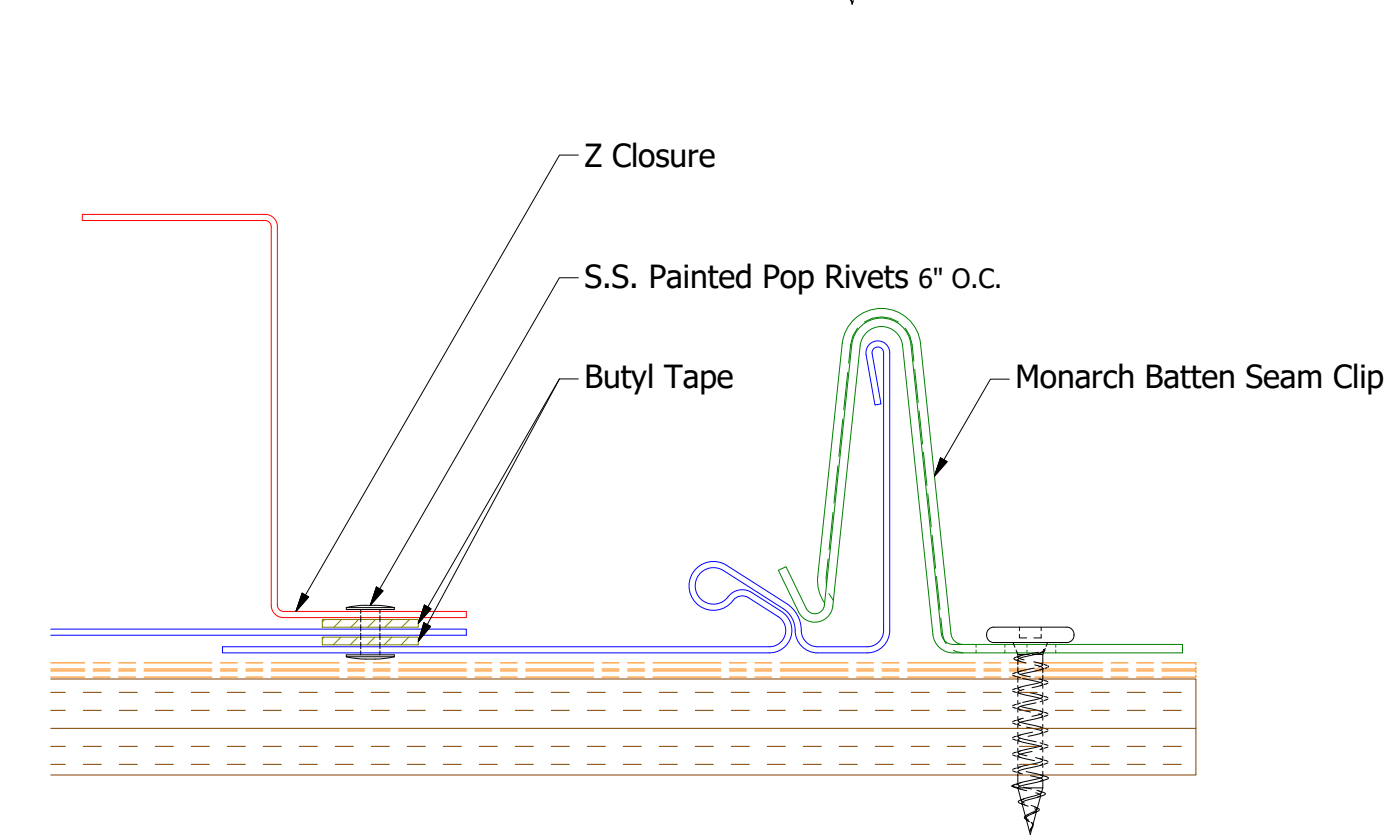
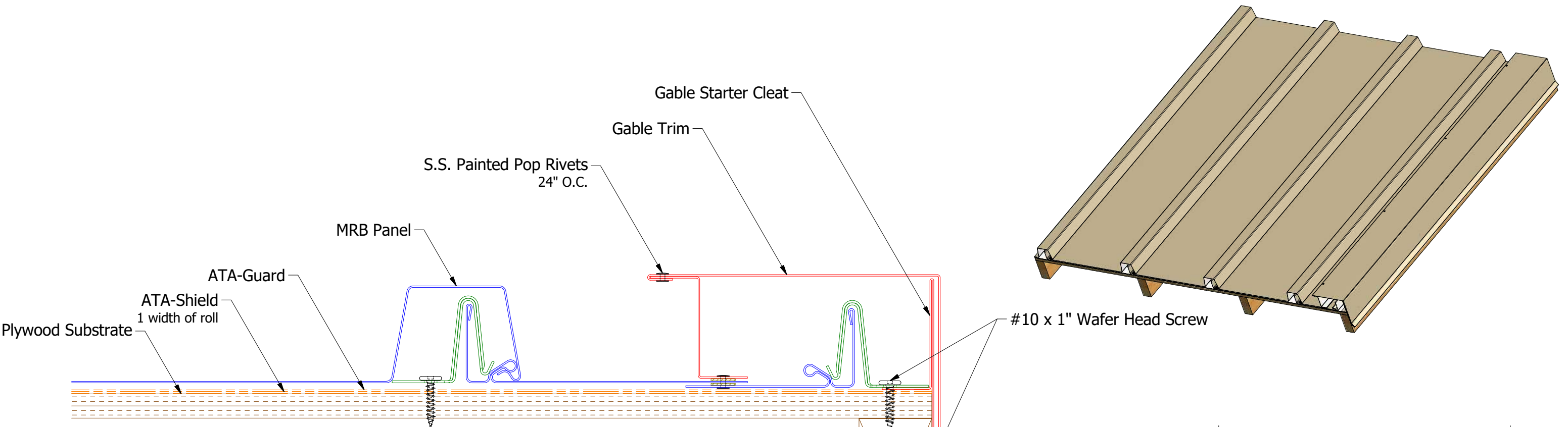


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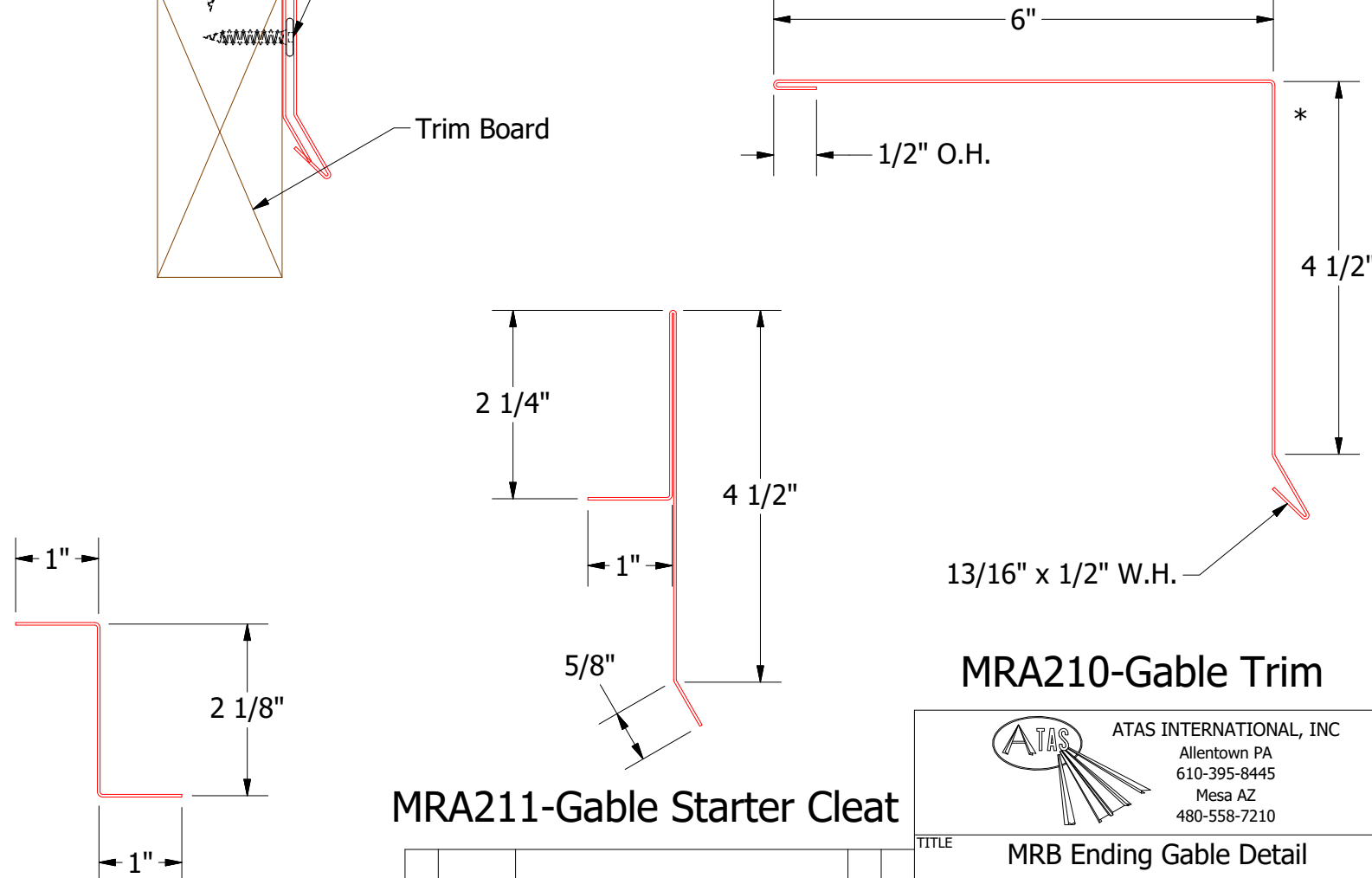
| TITLE           |     |       |            |
|-----------------|-----|-------|------------|
| MRB Eave Detail |     |       |            |
| DR              | KRK | DATE  | 10/21/2014 |
| APP             |     | DATE  |            |
| SH. SIZE        | B   | SCALE | X:X        |

| REV. NO. | DATE     | DESCRIPTION OF REVISION      | BY  | APP |
|----------|----------|------------------------------|-----|-----|
| 2        | 6/3/2019 | Updated Clip Information     | AJZ | KRK |
| 1        | 6/28/18  | Updated Substrate and Titles | MBP |     |

Note: \* denotes color side.



Butyl Tape Detail



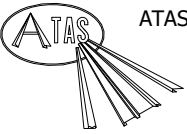
MRA910-Z Closure

MRA211-Gable Starter Cleat

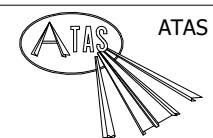
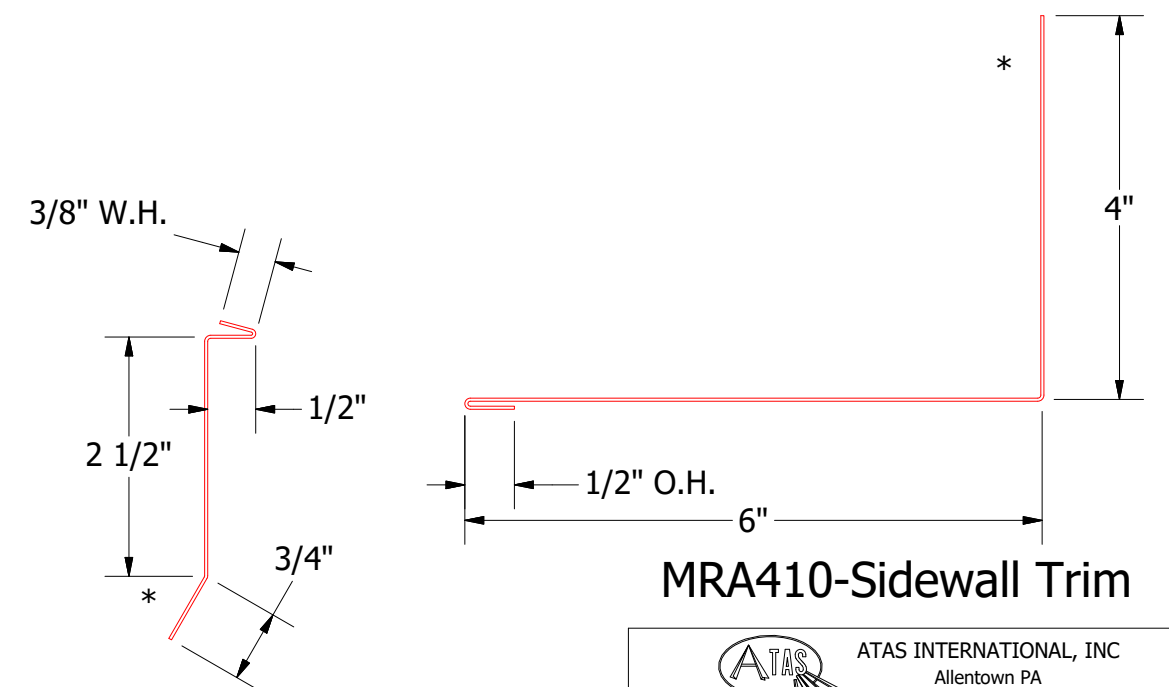
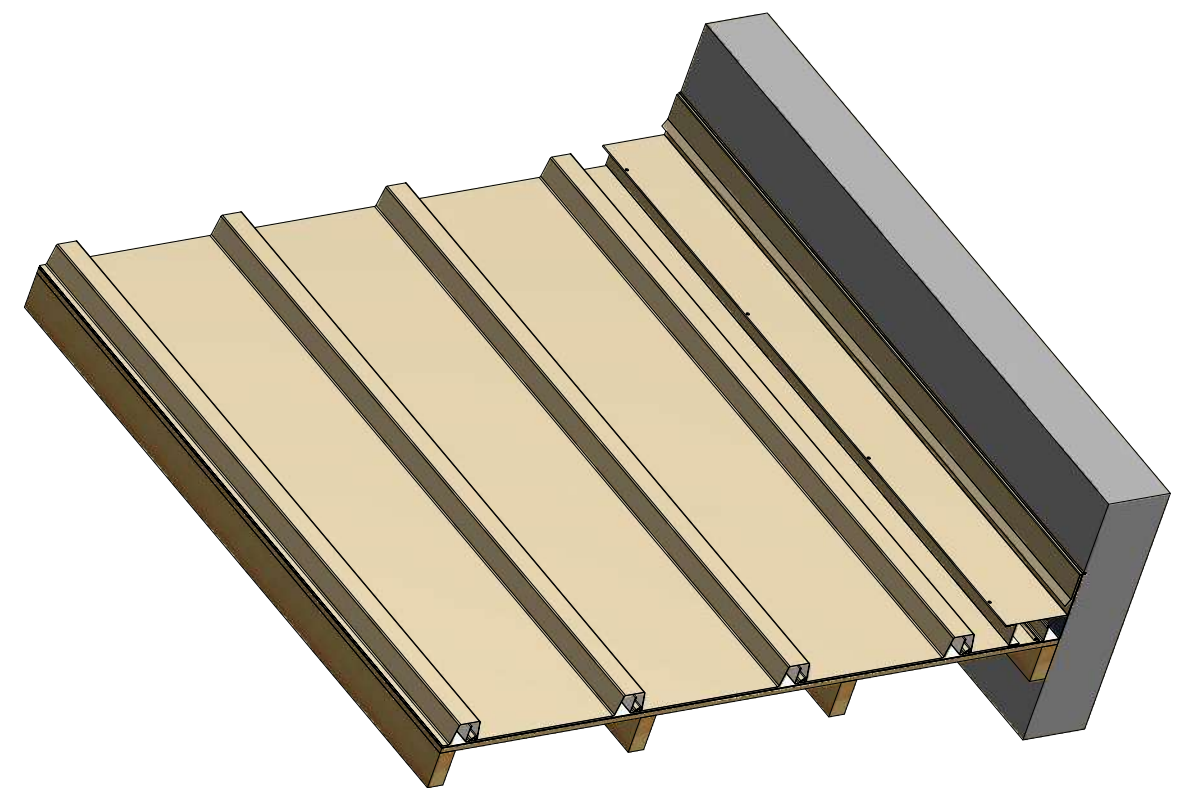
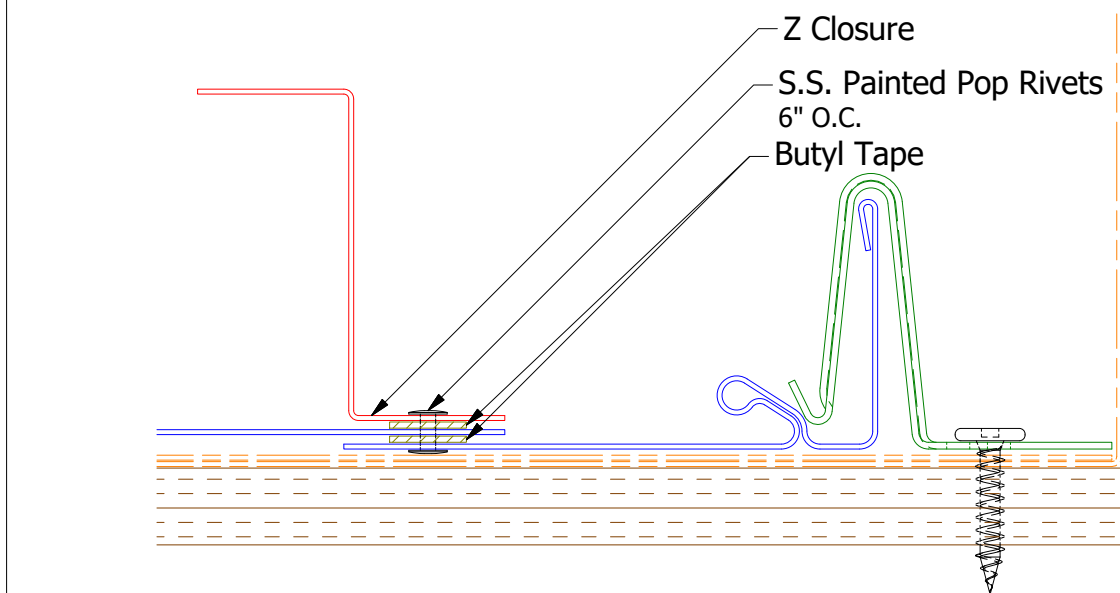
MRA210-Gable Trim

Note: \* denotes color side.

| REV. NO. |          | DATE | DESCRIPTION OF REVISION  | BY  | APP | TITLE                   |  | DR       | DATE       |
|----------|----------|------|--------------------------|-----|-----|-------------------------|--|----------|------------|
| 2        | 6/3/2019 |      | Updated Clip Information | AJZ | KRK | MRB Ending Gable Detail |  | KRK      | 10/21/2014 |
| 1        | 6/29/18  |      | Updated Titles and Trims | MBP |     |                         |  | APP      | DATE       |
|          |          |      |                          |     |     |                         |  | SH. SIZE | SCALE      |
|          |          |      |                          |     |     |                         |  | B        | X:X        |

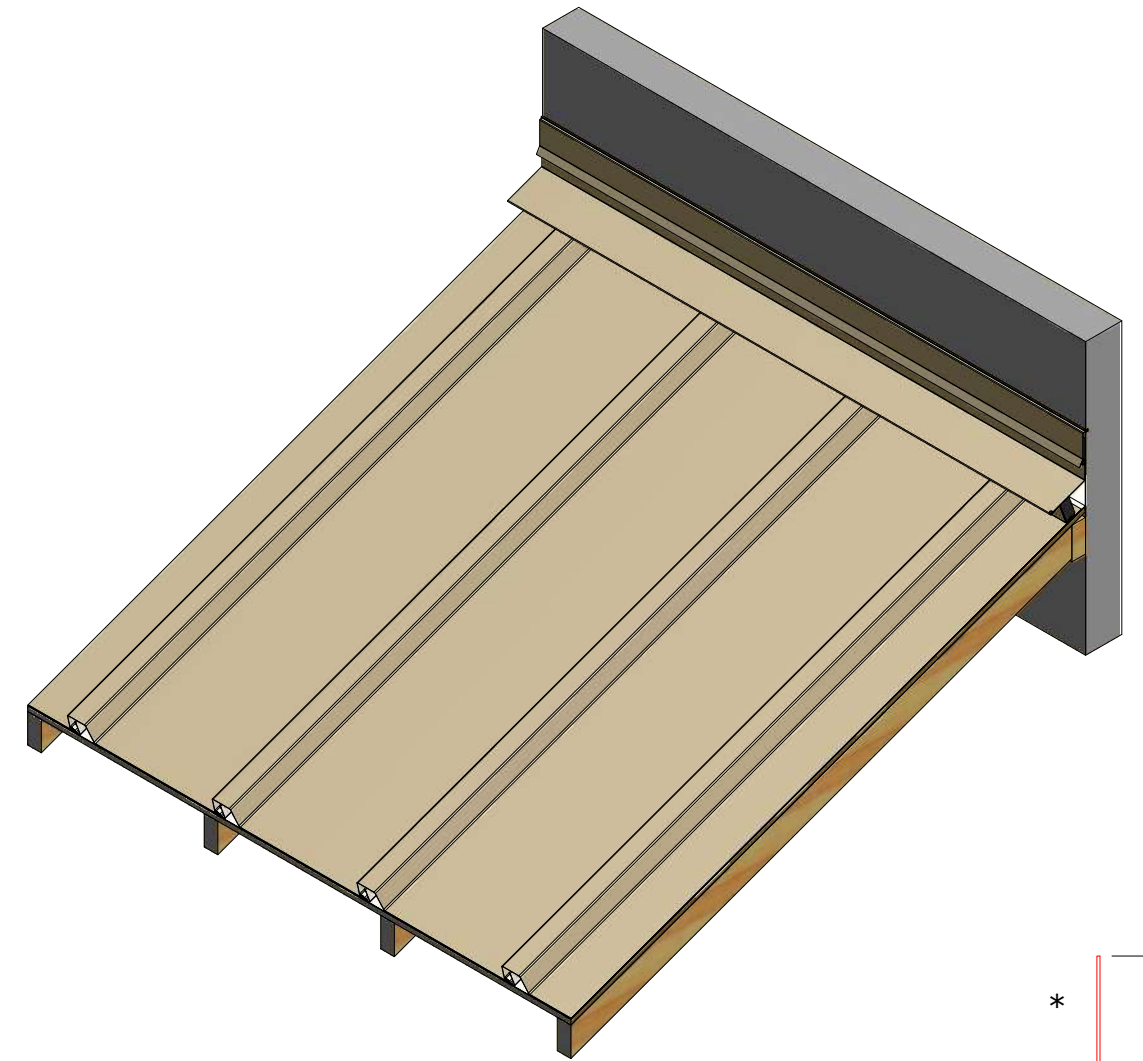
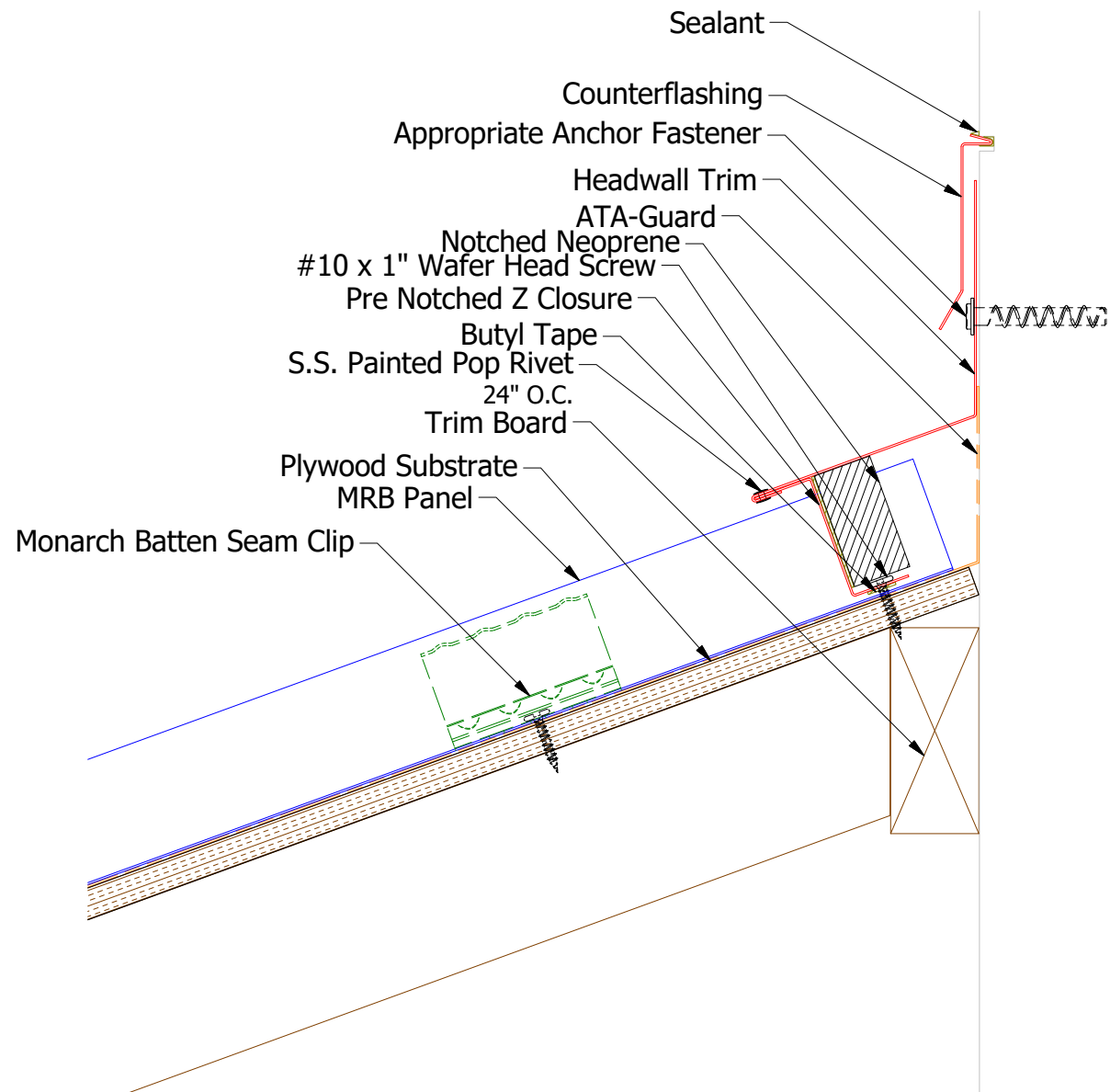


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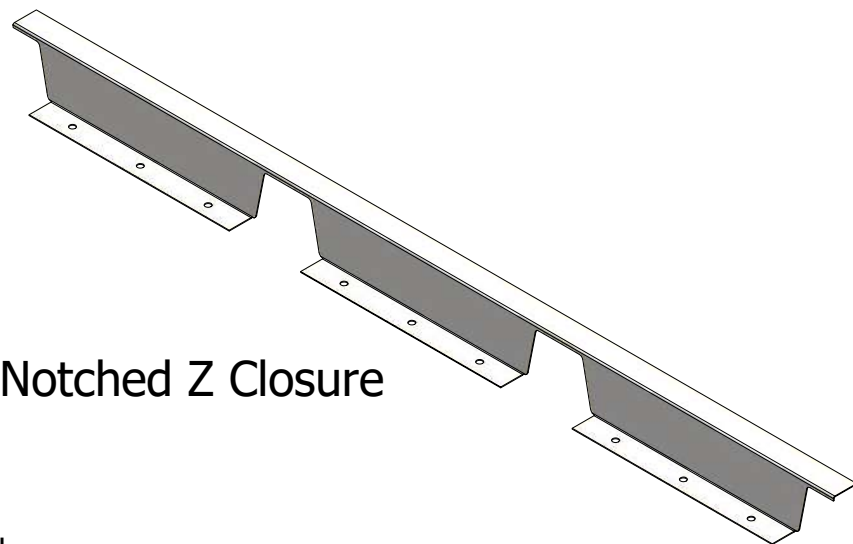


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|----------|----------|--------------------------|--|-----|----------|----------------------------|--|------------|--|
|          |          |                          |  |     | TITLE    | MRB Ending Sidewall Detail |  |            |  |
|          |          |                          |  |     | DWG. NO. | DR                         |  | DATE       |  |
| 1        | 6/3/2019 | Updated Clip Information |  | AJZ | KRK      | KRK                        |  | 10/21/2014 |  |
|          |          |                          |  |     | MATERIAL | APP                        |  | DATE       |  |
| REV. NO. | DATE     | DESCRIPTION OF REVISION  |  | BY  | APP      | SH. SIZE                   |  | SCALE      |  |
|          |          |                          |  |     |          | B                          |  | X:X        |  |

Note: \* denotes color change.

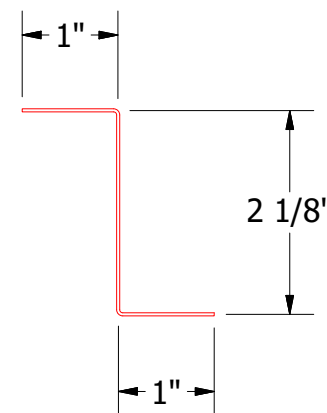


Factory Pre Notched Z Closure

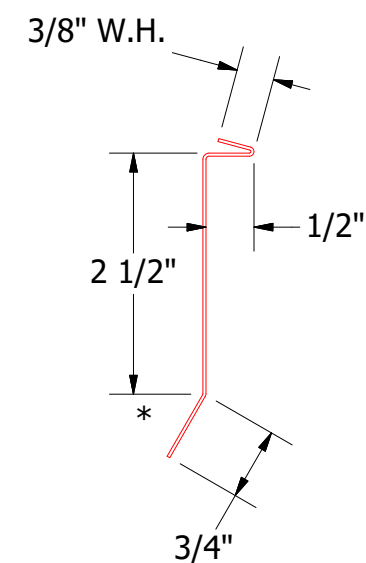


Note: \* denotes color side.

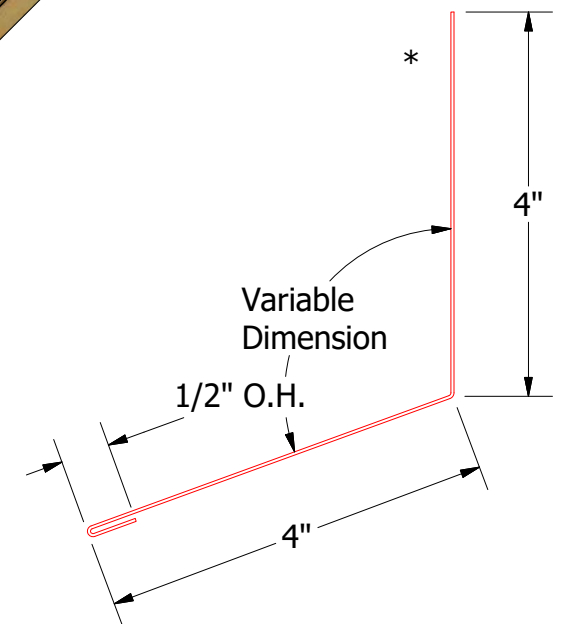
**Note:** Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.



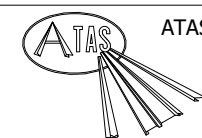
MRA910-Z Closure



MRA980-Counterflashing

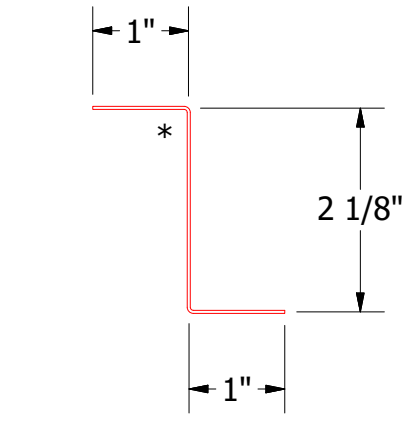
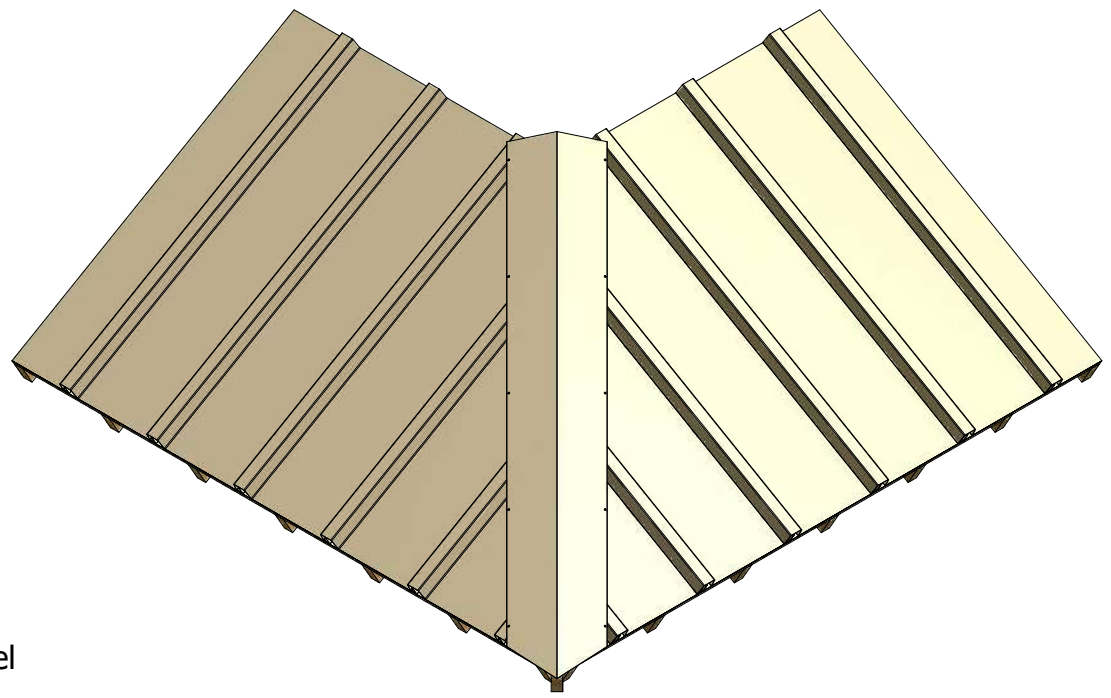
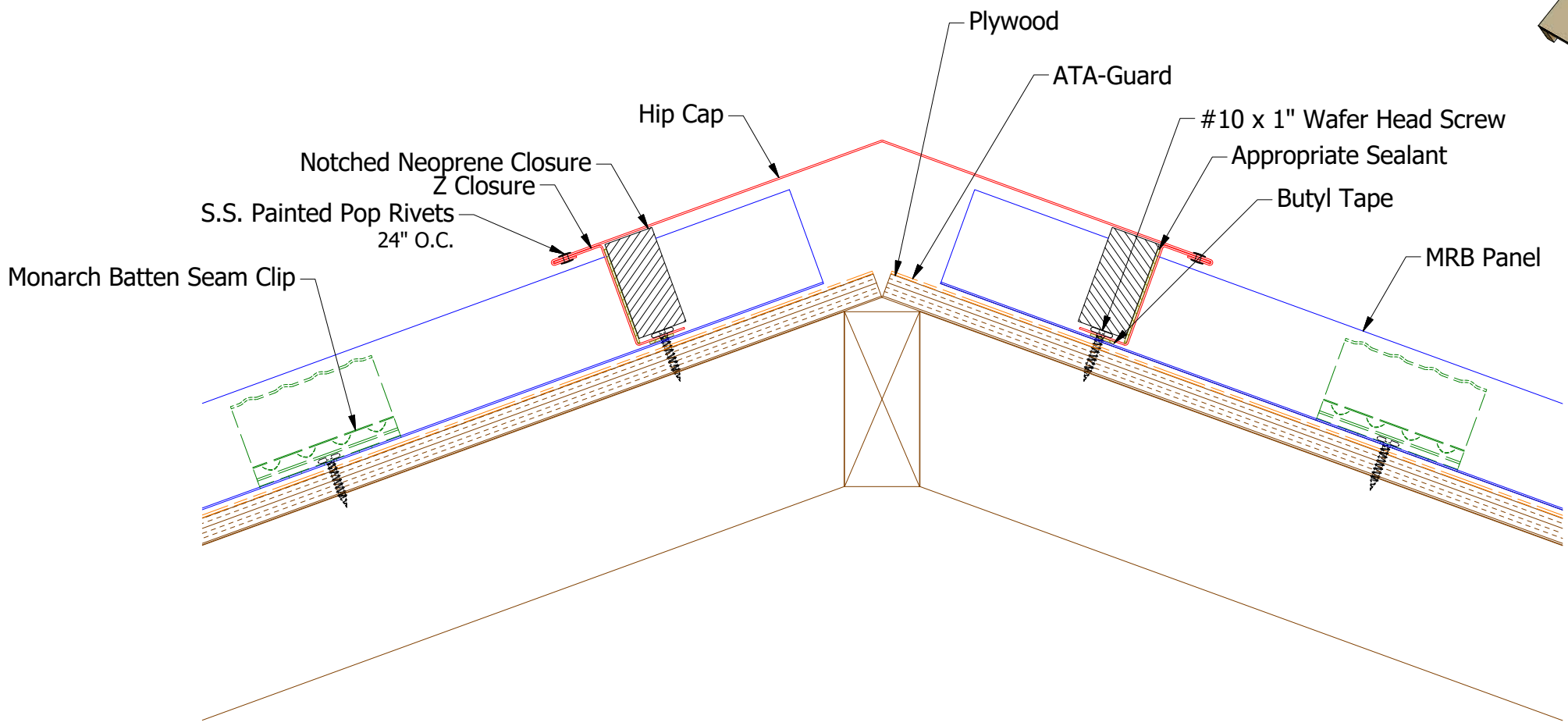


MRA500-Headwall Trim

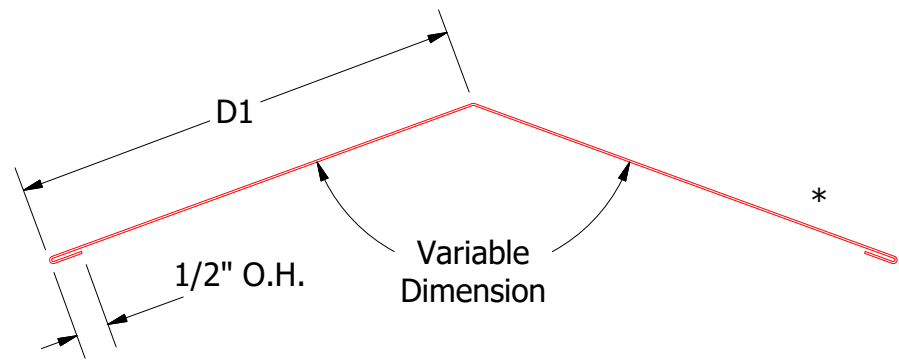


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| TITLE    |          |                              |     |     | MRB Headwall Detail |          |            |
|----------|----------|------------------------------|-----|-----|---------------------|----------|------------|
| 2        | 6/3/2019 | Updated Clip Information     | AJZ | KRK | DWG. NO.            | DR       | DATE       |
| 1        | 6/28/18  | Updated Substrate and Titles | MBP |     | APP                 | KRK      | 10/21/2014 |
| REV. NO. | DATE     | DESCRIPTION OF REVISION      | BY  | APP | MATERIAL            | SH. SIZE | SCALE      |
|          |          |                              |     |     |                     | B        | X:X        |



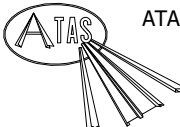
MRA910-Z Closure



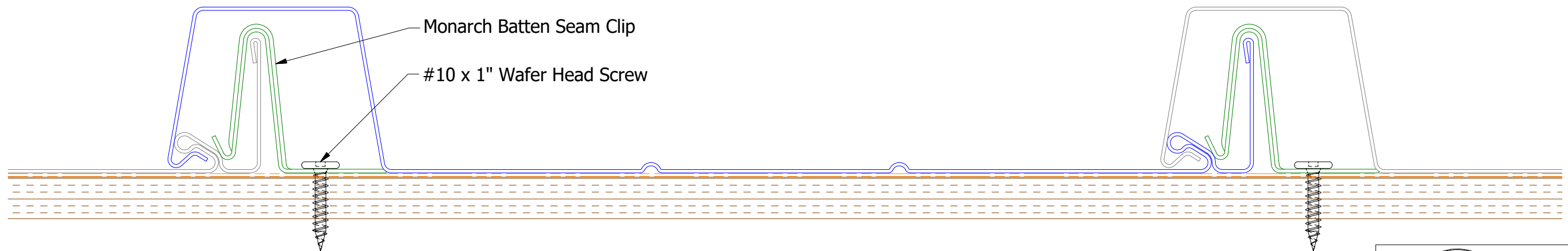
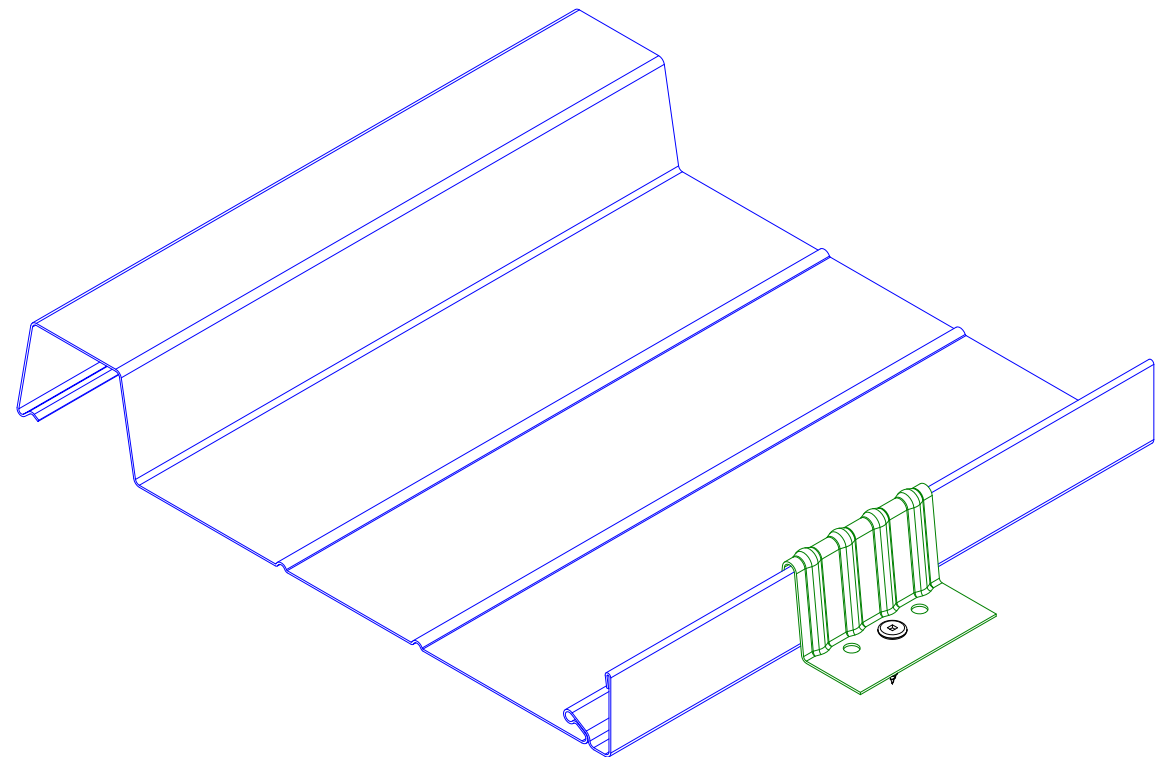
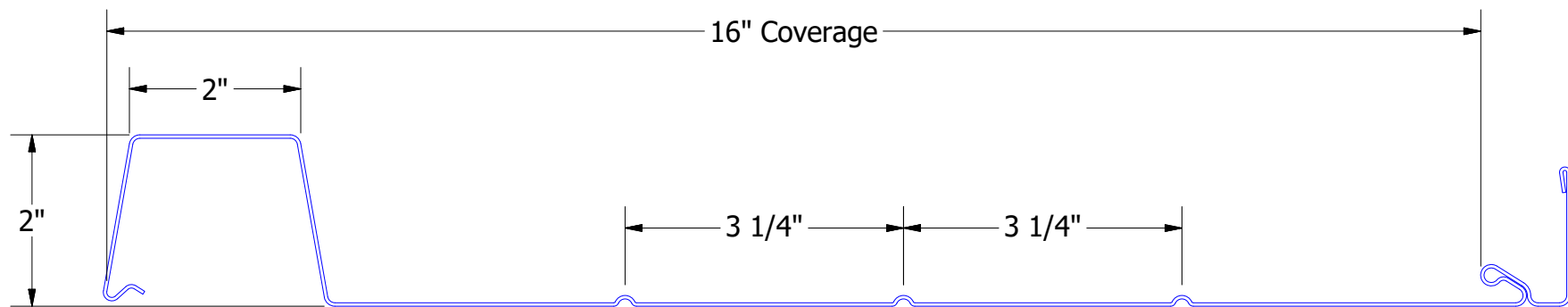
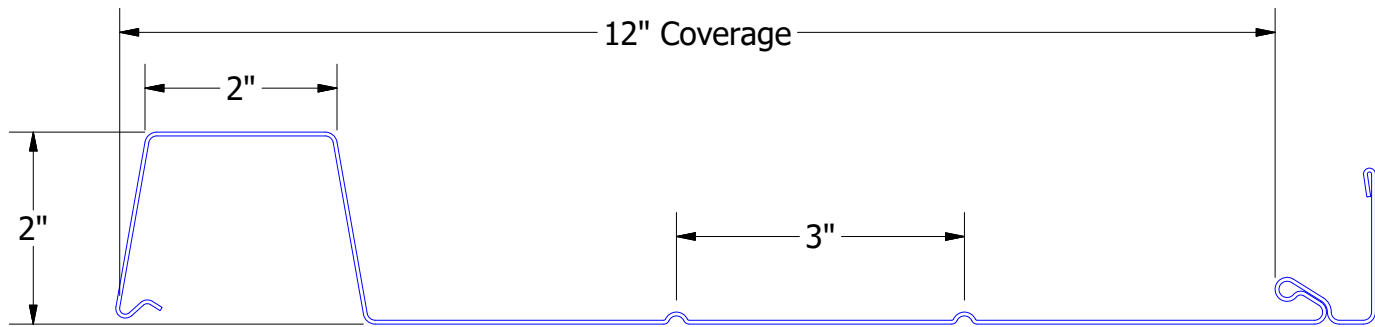
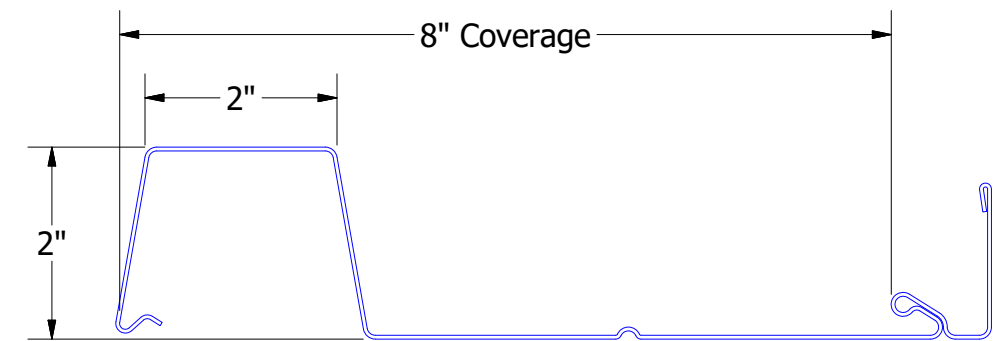
**Hip Cap**  
MRA315-2:12 to 6:12 Slope  
D1=6"  
MRA316-6:12 to 9:12 Slope  
D1=7"  
MRA317-9:12 to 12:12 Slope  
D1=8"

Note: \* denotes color side.

|          |          |                          |  |          |     |                |                 |
|----------|----------|--------------------------|--|----------|-----|----------------|-----------------|
|          |          |                          |  | TITLE    |     | MRB Hip Detail |                 |
|          |          |                          |  | DWG. NO. | DR  | KRK            | DATE 10/23/2014 |
|          |          |                          |  |          | APP |                | DATE            |
|          |          |                          |  | MATERIAL |     |                |                 |
|          |          |                          |  | SH. SIZE | B   |                | SCALE X:X       |
| 1        | 6/3/2019 | Updated Clip Information |  | AJZ      | KRK |                |                 |
| REV. NO. | DATE     | DESCRIPTION OF REVISION  |  | BY       | APP |                |                 |

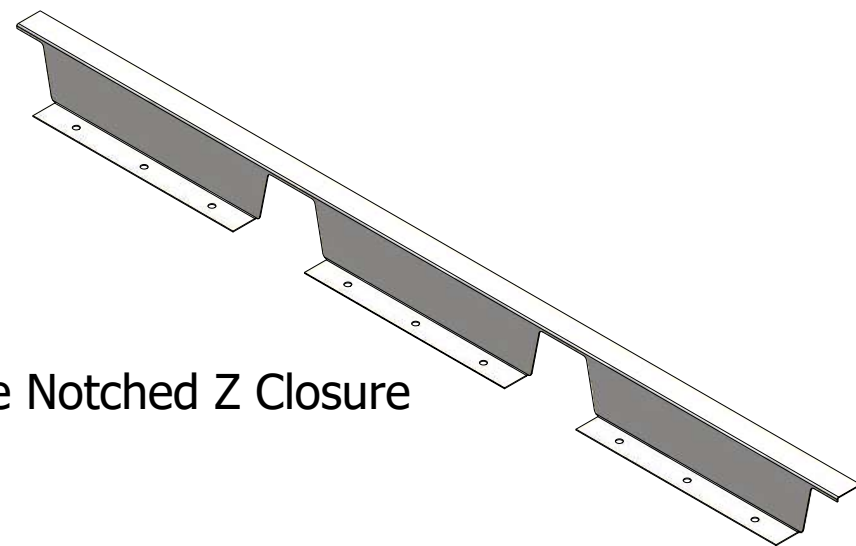
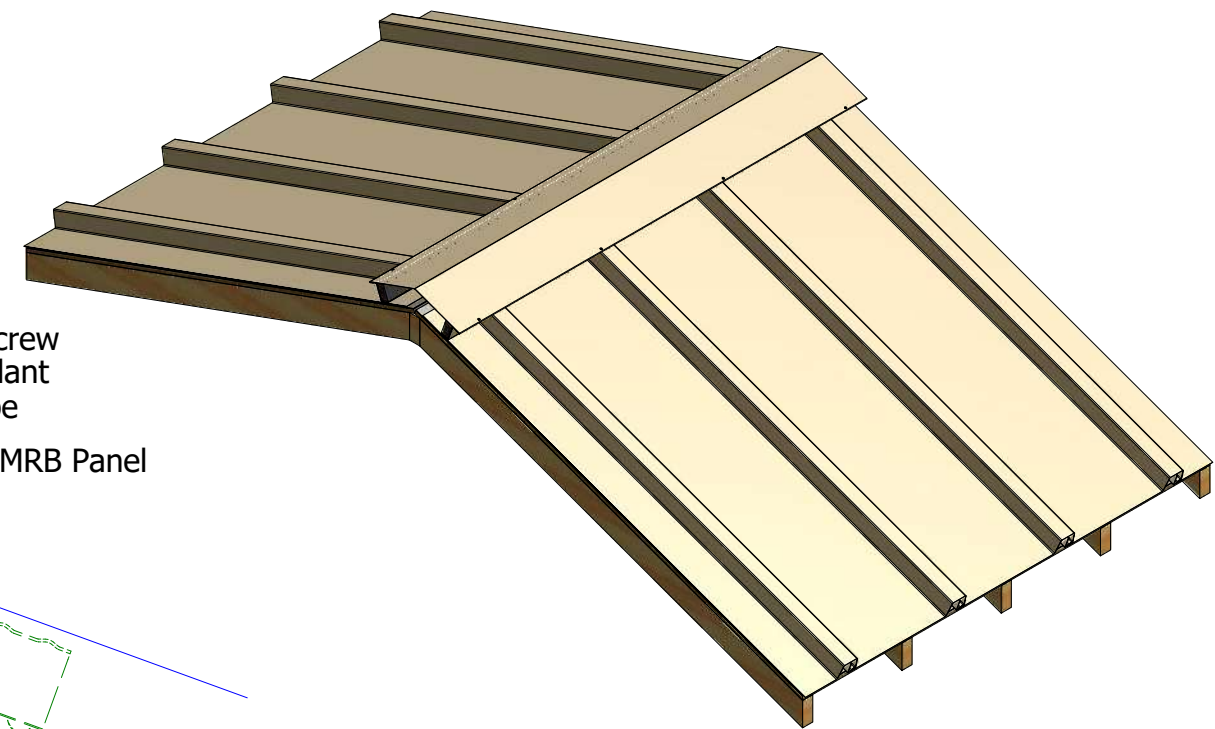
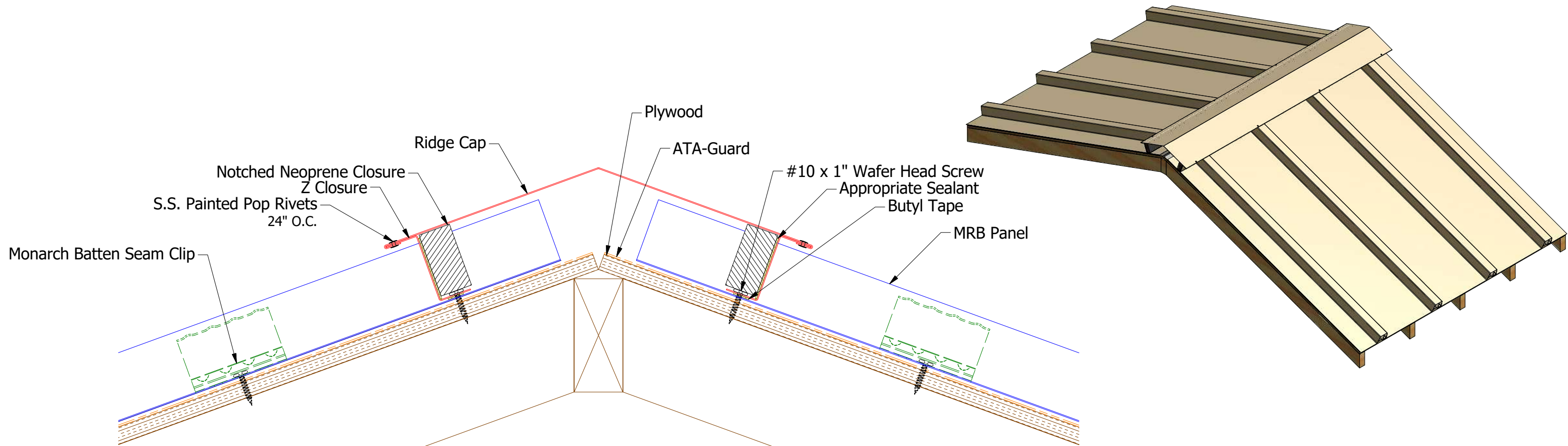


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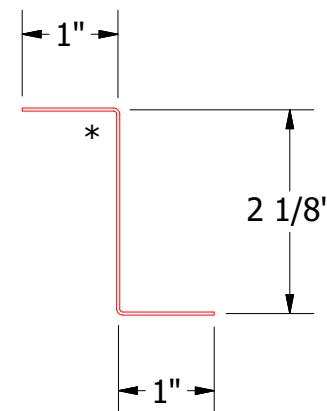


Note: Stiffening Ribs Standard, Specify Without.

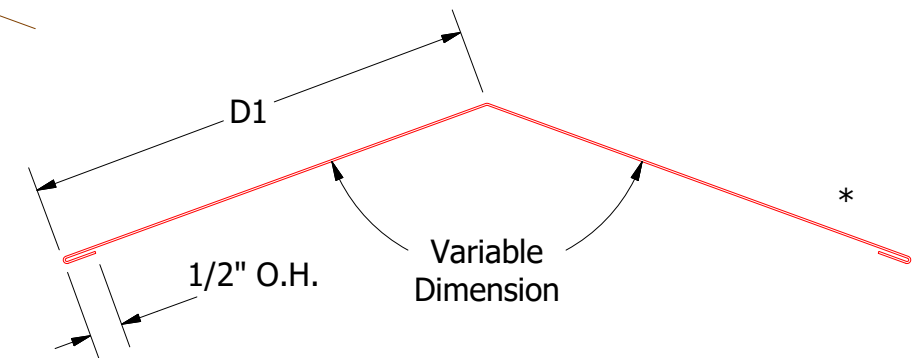
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Factory Pre Notched Z Closure



MRA910-Z Closure

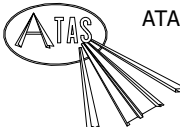


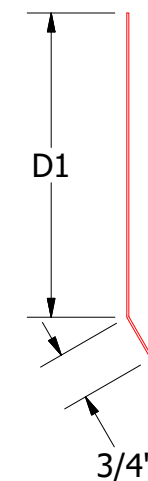
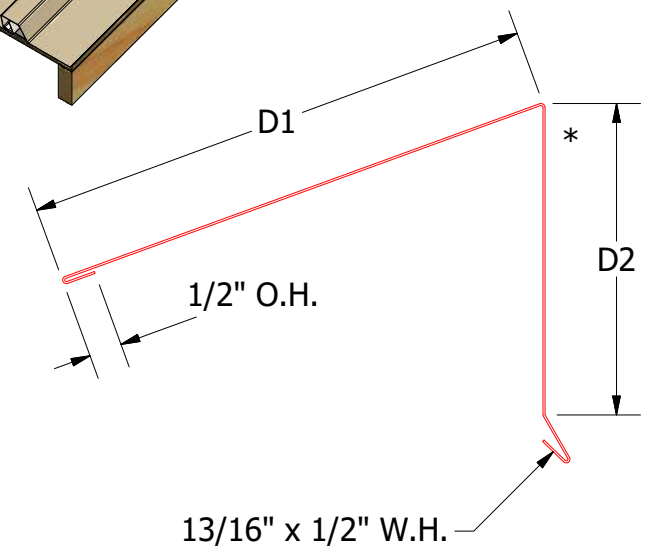
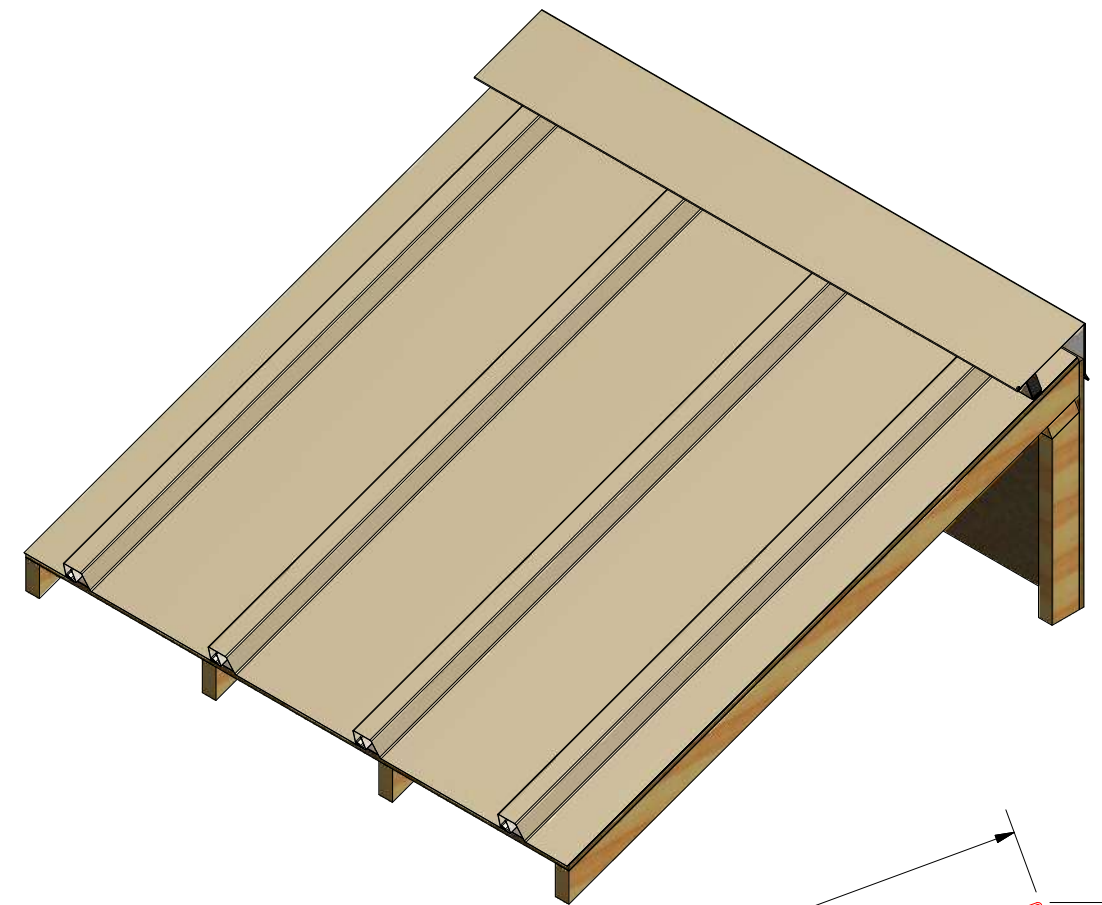
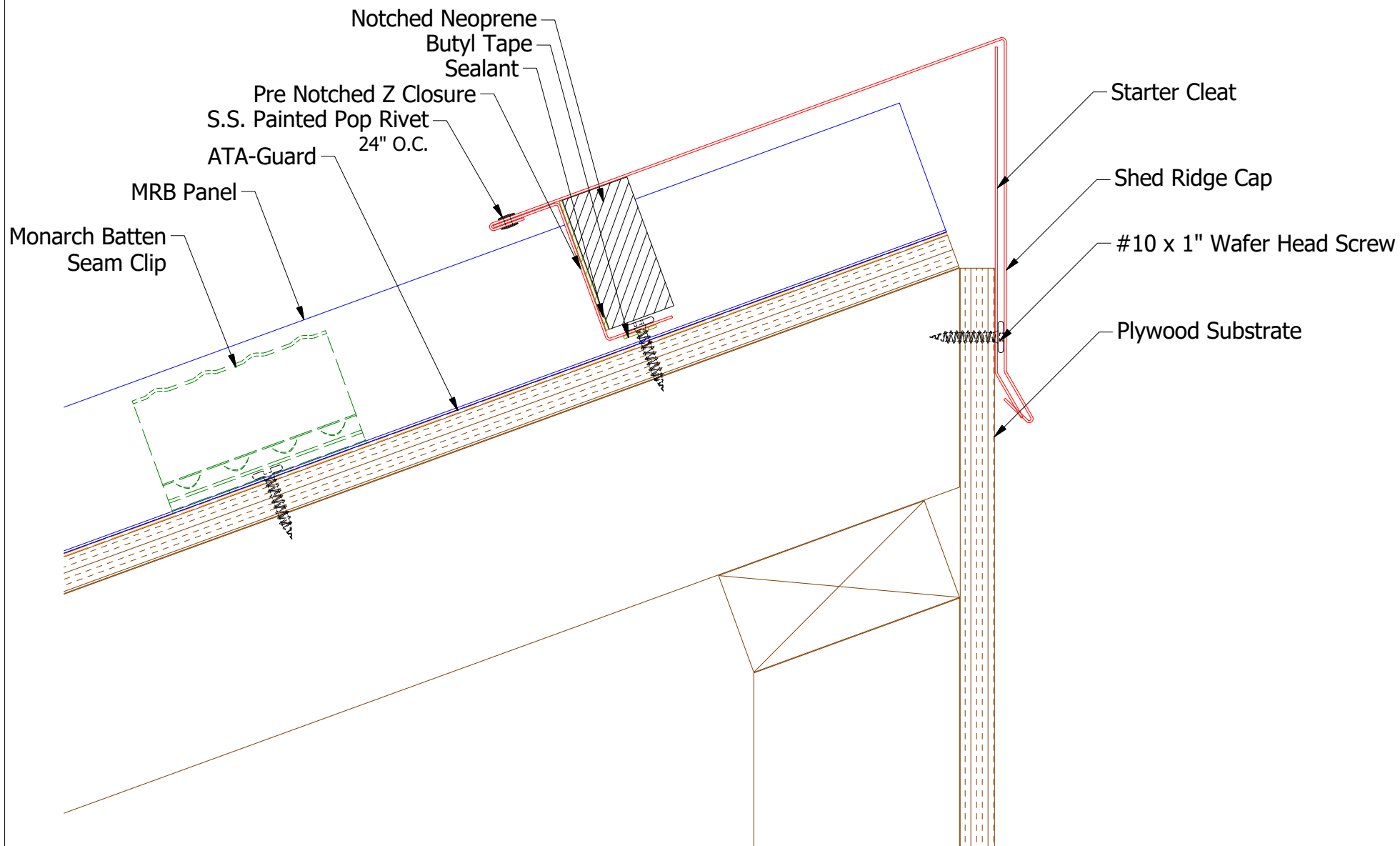
Ridge Cap

MRA301-2:12 to 6:12 Slope  
D1=6"  
MRA302-6:12 to 9:12 Slope  
D1=7"  
MRA303-9:12 to 12:12 Slope  
D1=8"

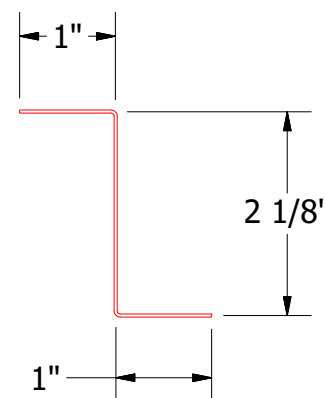
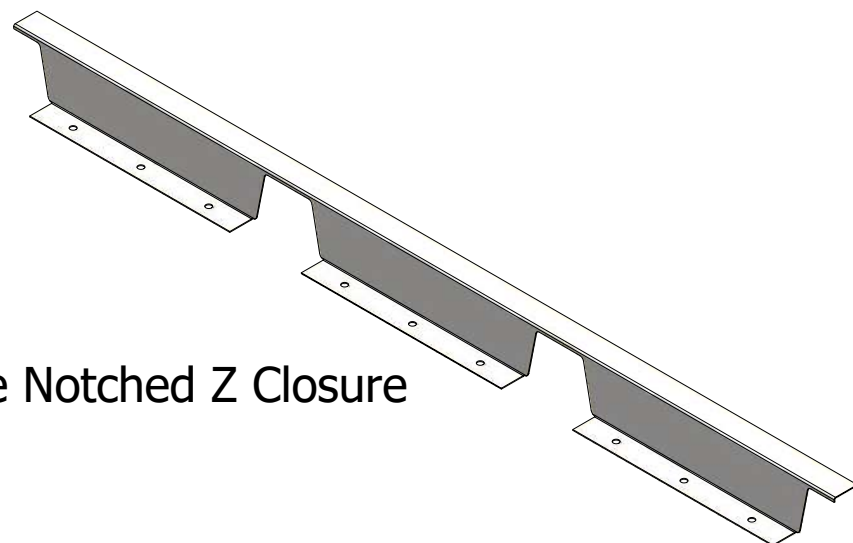
Note: \* denotes color side.

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

|                                                                                                                                                                                 |          |                          |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|---------|
|  <b>ATAS INTERNATIONAL, INC</b><br>Allentown PA<br>610-395-8445<br>Mesa AZ<br>480-558-7210 |          | TITLE                    |         |
|                                                                                                                                                                                 |          | MRB Ridge Detail         |         |
| DWG. NO.                                                                                                                                                                        | DR       | KRK                      | DATE    |
| 1                                                                                                                                                                               | 6/3/2019 | Updated Clip Information | AJZ KRK |
| REV. NO.                                                                                                                                                                        | DATE     | DESCRIPTION OF REVISION  | BY APP  |
| 1                                                                                                                                                                               | 6/3/2019 | Updated Clip Information | AJZ KRK |
| SH. SIZE                                                                                                                                                                        | B        | SCALE                    | X:X     |



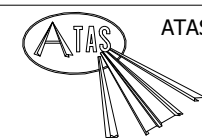
Factory Pre Notched Z Closure



MRA910-Z Closure

**Shed Ridge Starter Cleat**  
**MRA341**-2:12 to 6:12 Slope  
D1=4 1/2"  
**MRA348**-6:12 to 9:12 Slope  
D1=4 3/4"  
**MRA349**-9:12 to 12:12 Slope  
D1=5"

**Shed Ridge Cap**  
**MRA342**-2:12 to 6:12 Slope  
D1=7" / D2=4 5/8"  
**MRA344**-6:12 to 9:12 Slope  
D1=8" / D2=4 7/8"  
**MRA346**-9:12 to 12:12 Slope  
D1=9" / D2=5 1/8"



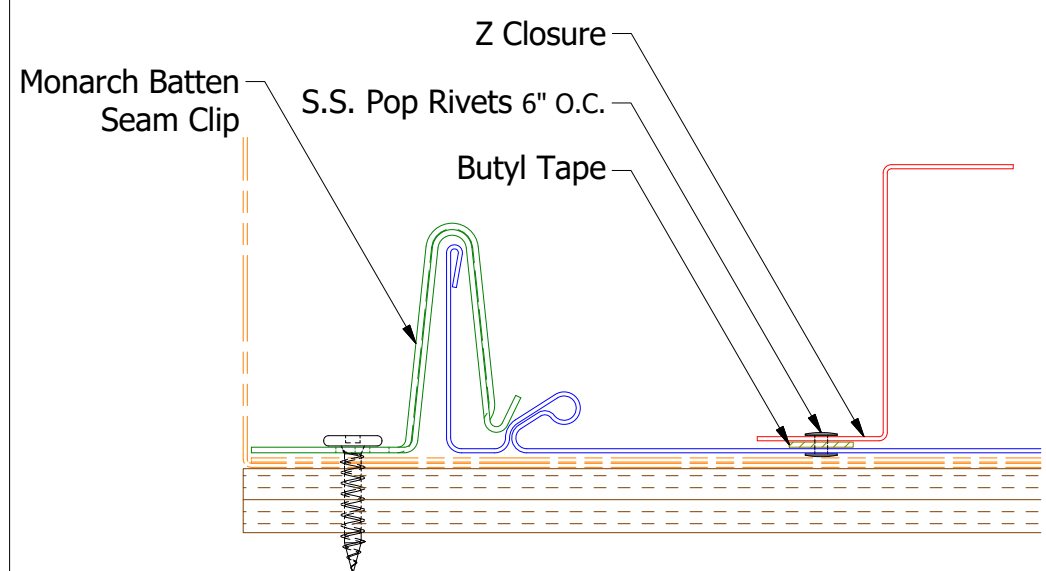
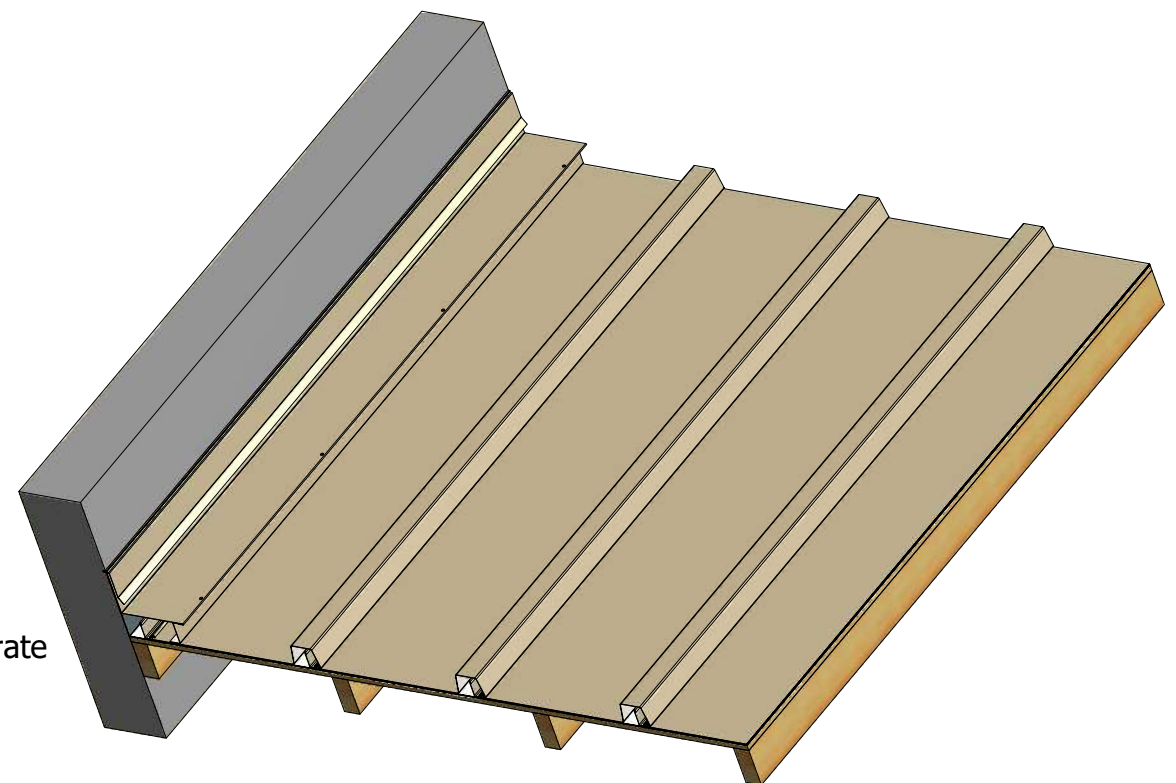
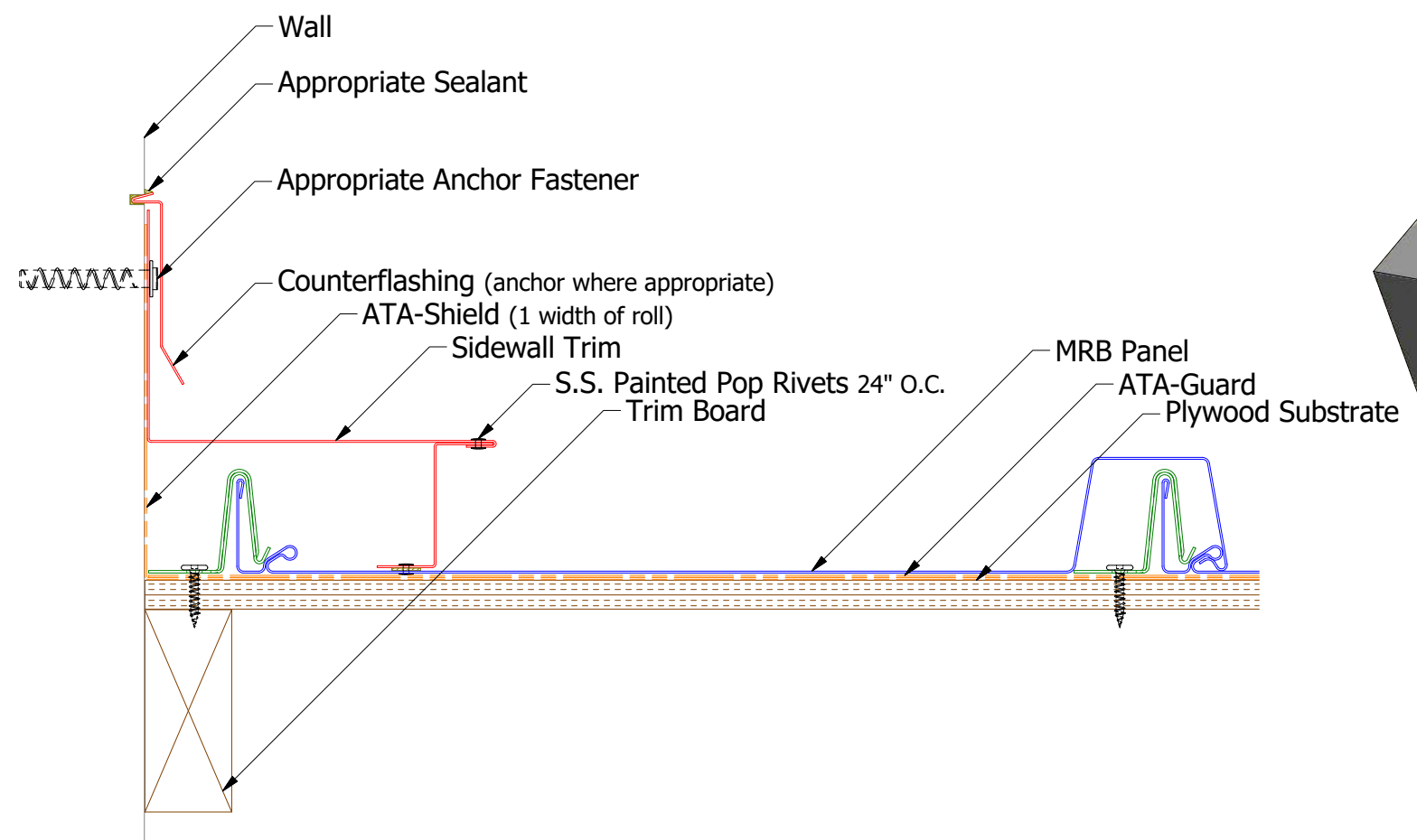
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Note: \* denotes color side.

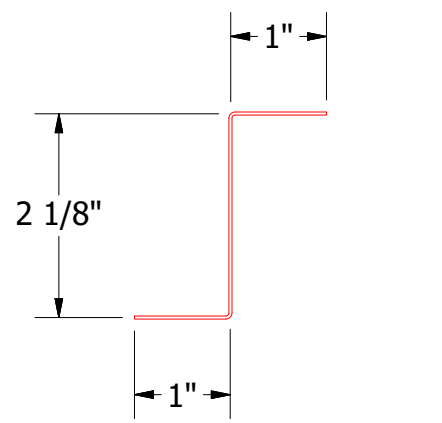
**Note:** Neoprene Closures are not required if Factory Pre Notched Z Closures are utilized.

| TITLE    |          |                             |     |     | MRB Shed Ridge Detail |     |       |      |            |
|----------|----------|-----------------------------|-----|-----|-----------------------|-----|-------|------|------------|
| 2        | 6/3/2019 | Updated Clip Information    | AJZ | KRK | DWG. NO.              | DR  | KRK   | DATE | 10/24/2014 |
| 1        | 6/29/18  | Updated Substrate and Trims | MBP |     | MATERIAL              | APP |       | DATE |            |
| REV. NO. | DATE     | DESCRIPTION OF REVISION     | BY  | APP | SH. SIZE              | B   | SCALE | X:X  |            |

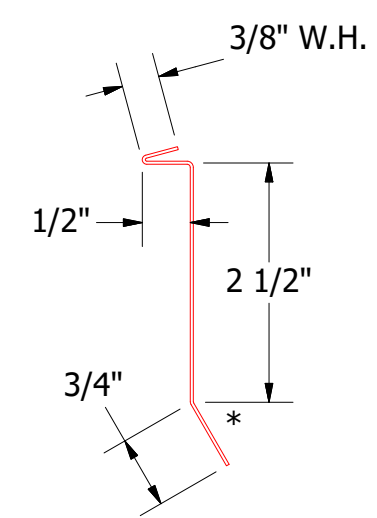




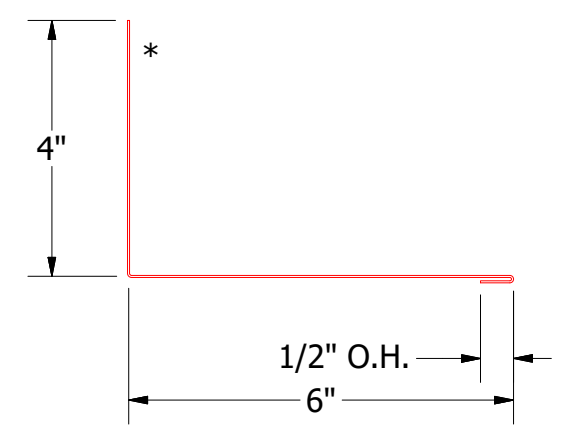
Butyl Tape Detail



MRA910-Z Closure



MRA980-Counterflashing



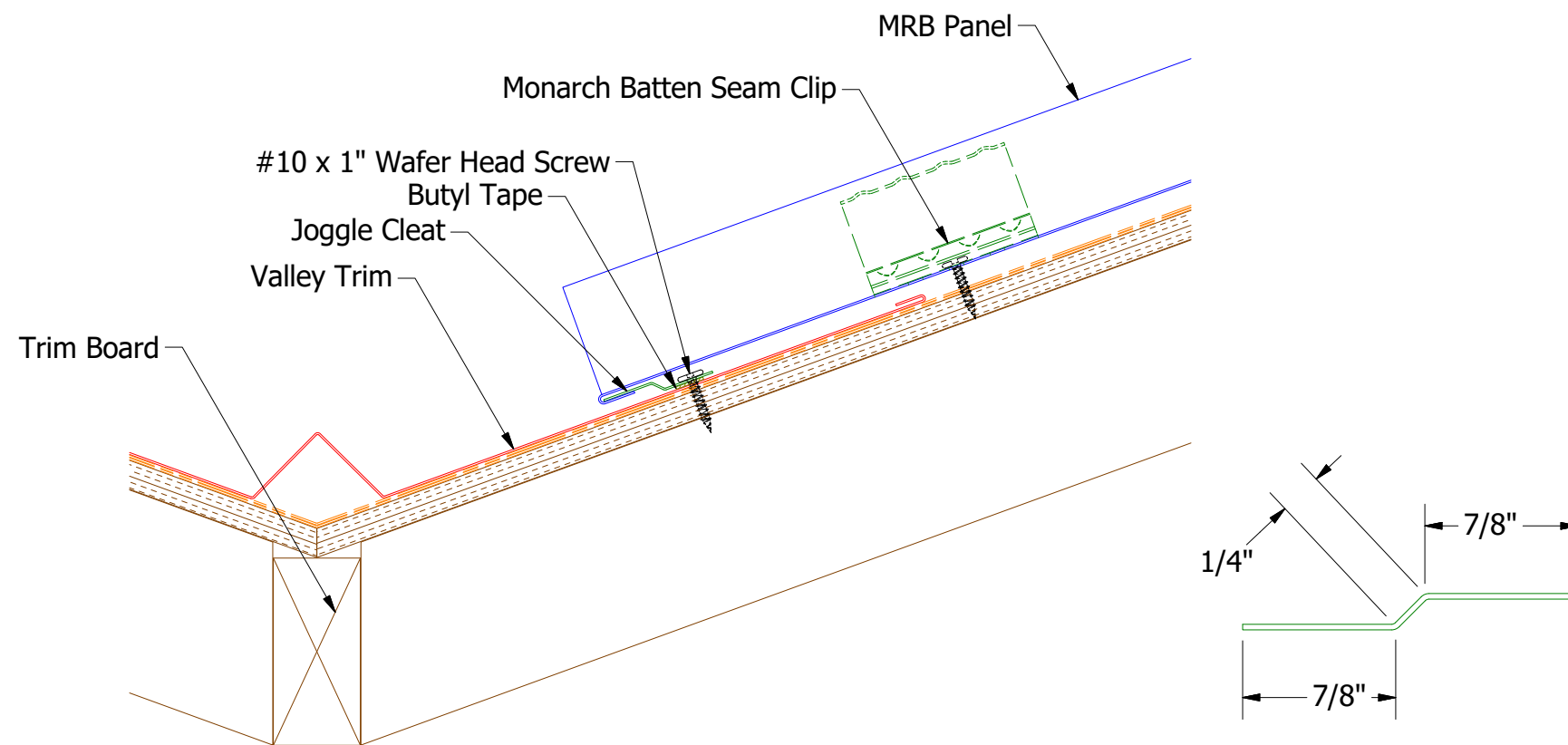
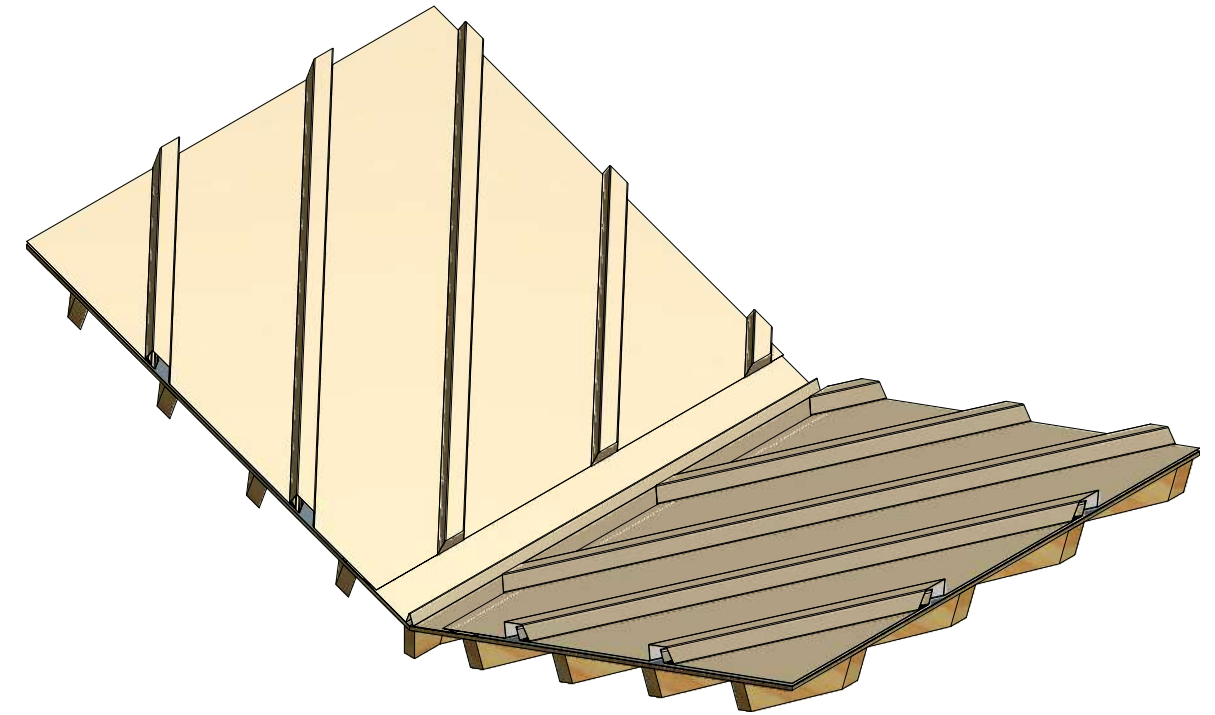
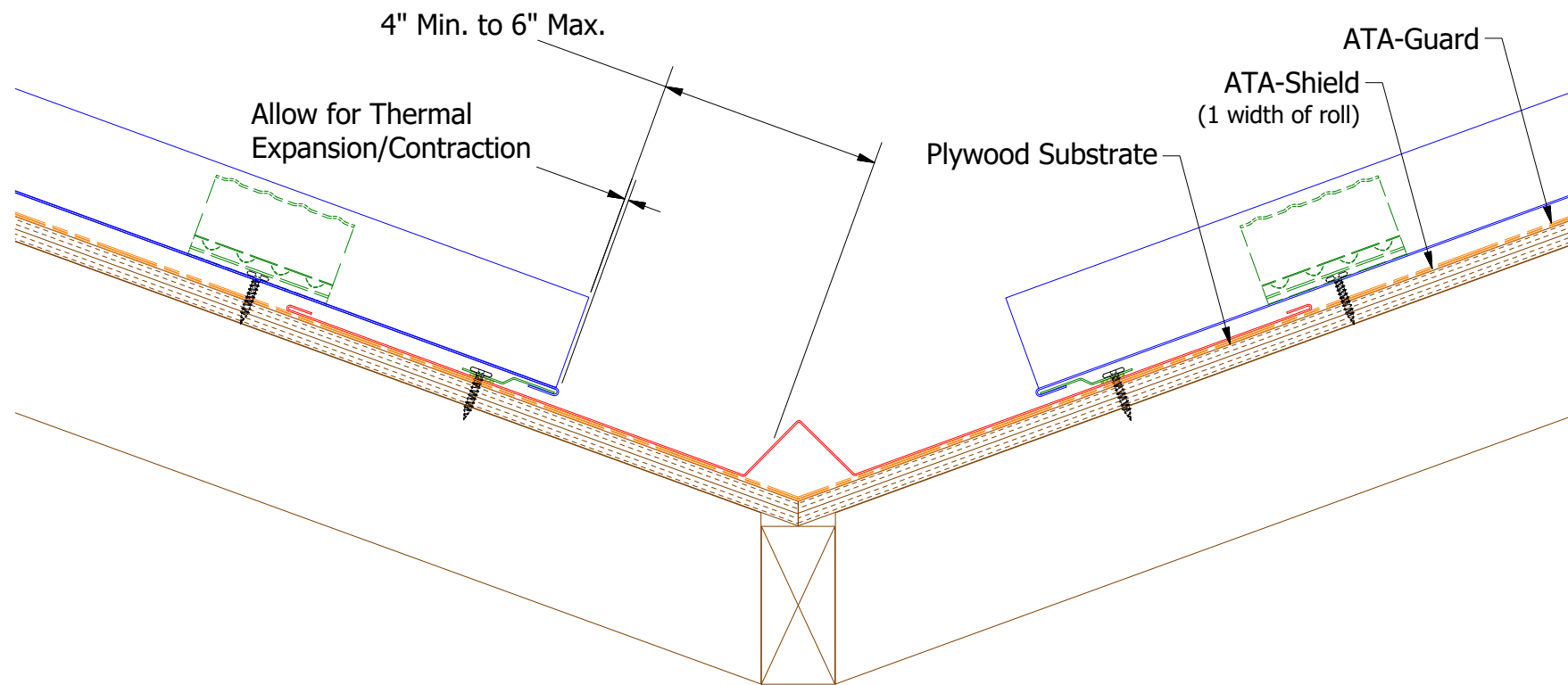
MRA410-Sidewall Trim

Note: \* denotes color side.

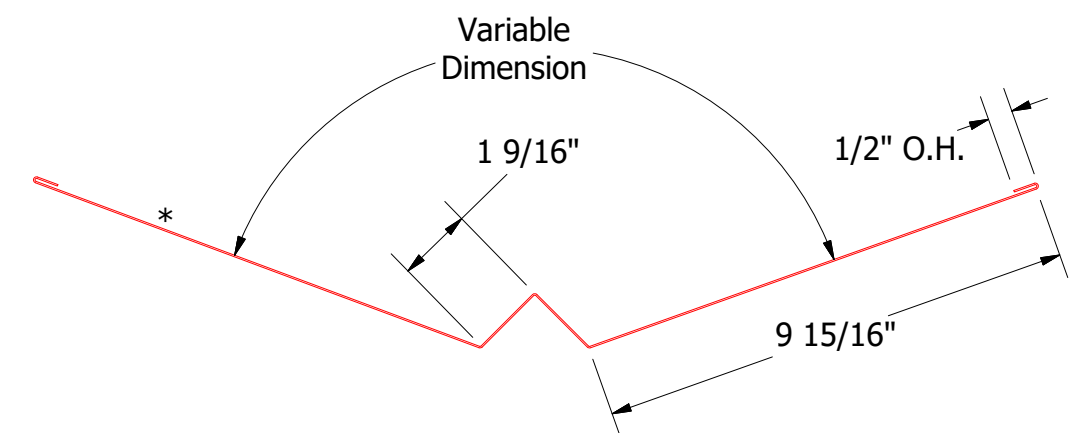
|          |          |                          |         |                              |                        |
|----------|----------|--------------------------|---------|------------------------------|------------------------|
|          |          |                          |         | TITLE                        |                        |
|          |          |                          |         | MRB Starting Sidewall Detail |                        |
|          |          |                          |         | DWG. NO.                     | DR KRK DATE 10/27/2014 |
|          |          |                          |         | APP                          | DATE                   |
|          |          |                          |         | MATERIAL                     | SH. SIZE B SCALE X:X   |
| 1        | 6/3/2019 | Updated Clip Information | AJZ KRK |                              |                        |
| REV. NO. | DATE     | DESCRIPTION OF REVISION  | BY APP  |                              |                        |



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MRA975-Joggle Cleat

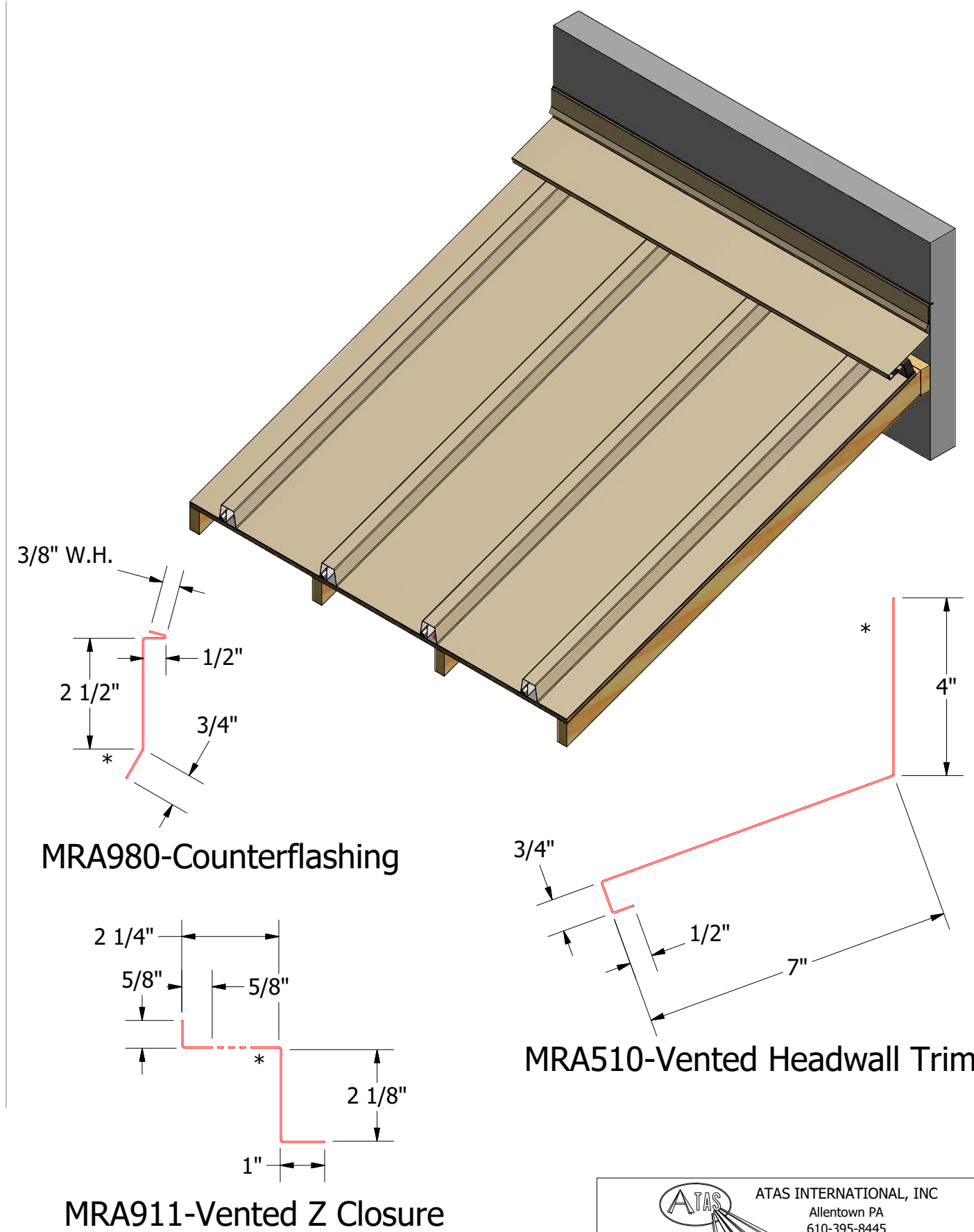
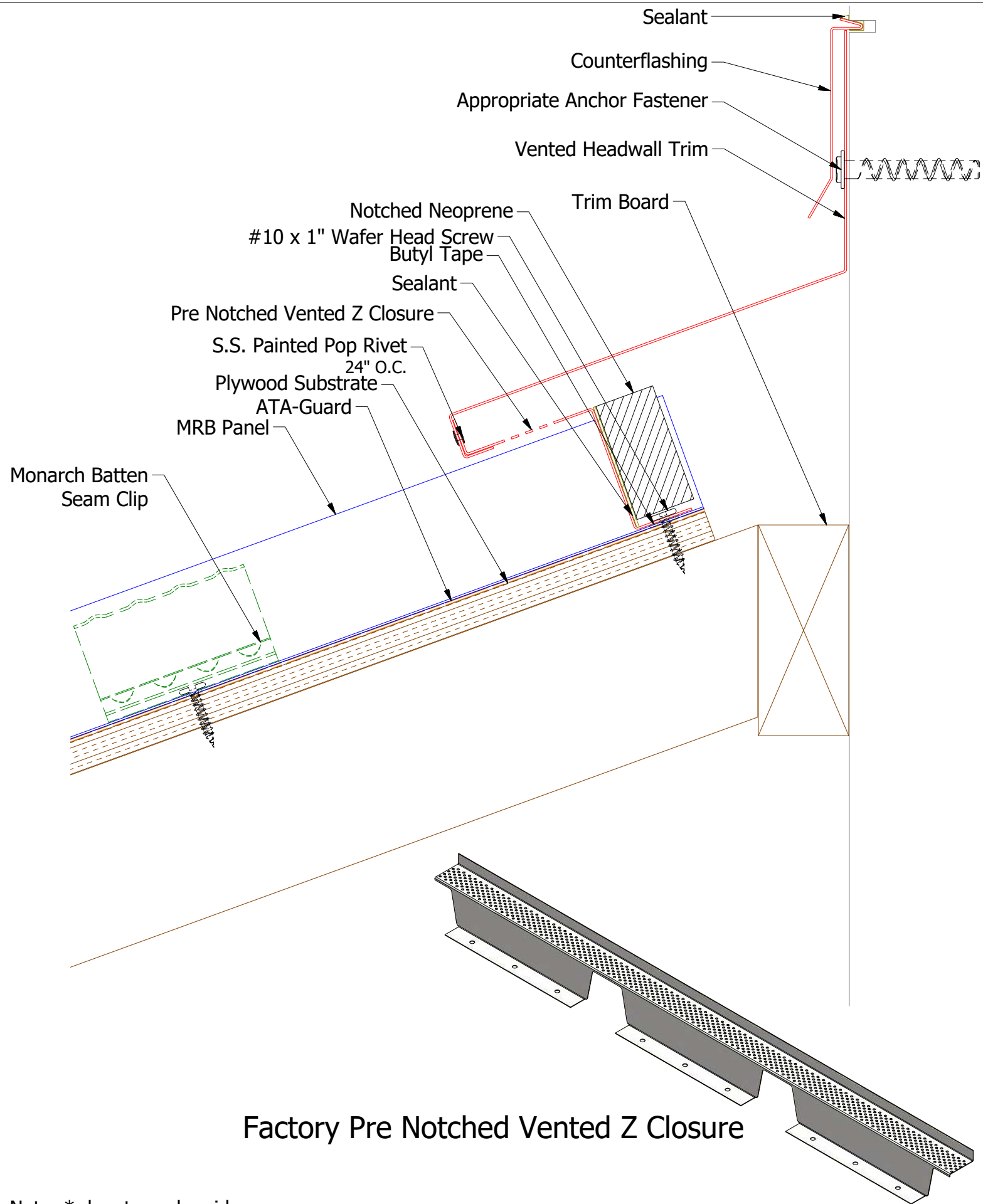


MRA800-Valley Trim



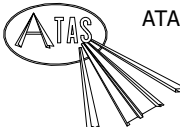
| TITLE             |          |                          |            |
|-------------------|----------|--------------------------|------------|
| MRB Valley Detail |          |                          |            |
| DWG. NO.          | DR       | KRK                      | DATE       |
| 1                 | APP      | DATE                     | 10/28/2014 |
| REV. NO.          | DATE     | DESCRIPTION OF REVISION  | BY APP     |
| 1                 | 6/3/2019 | Updated Clip Information | AJZ KRK    |
| SH. SIZE          | B        | SCALE                    | X:X        |

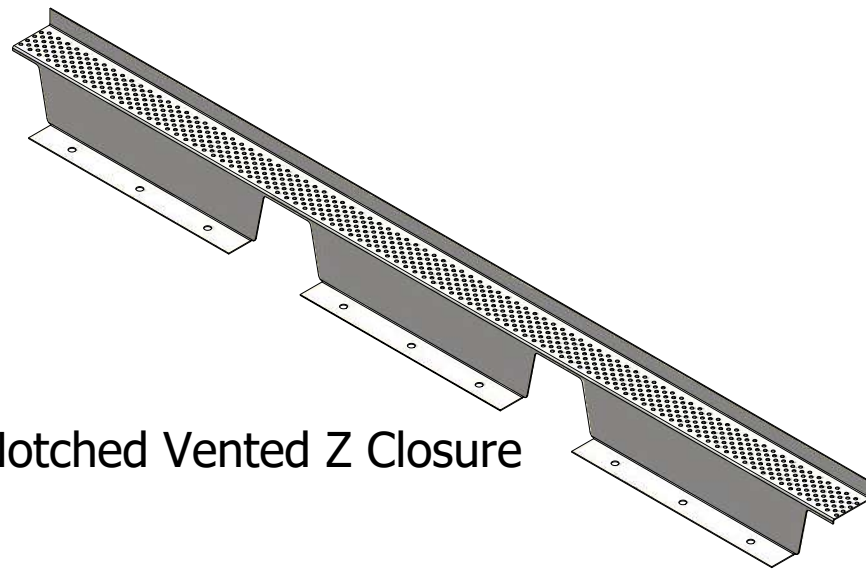
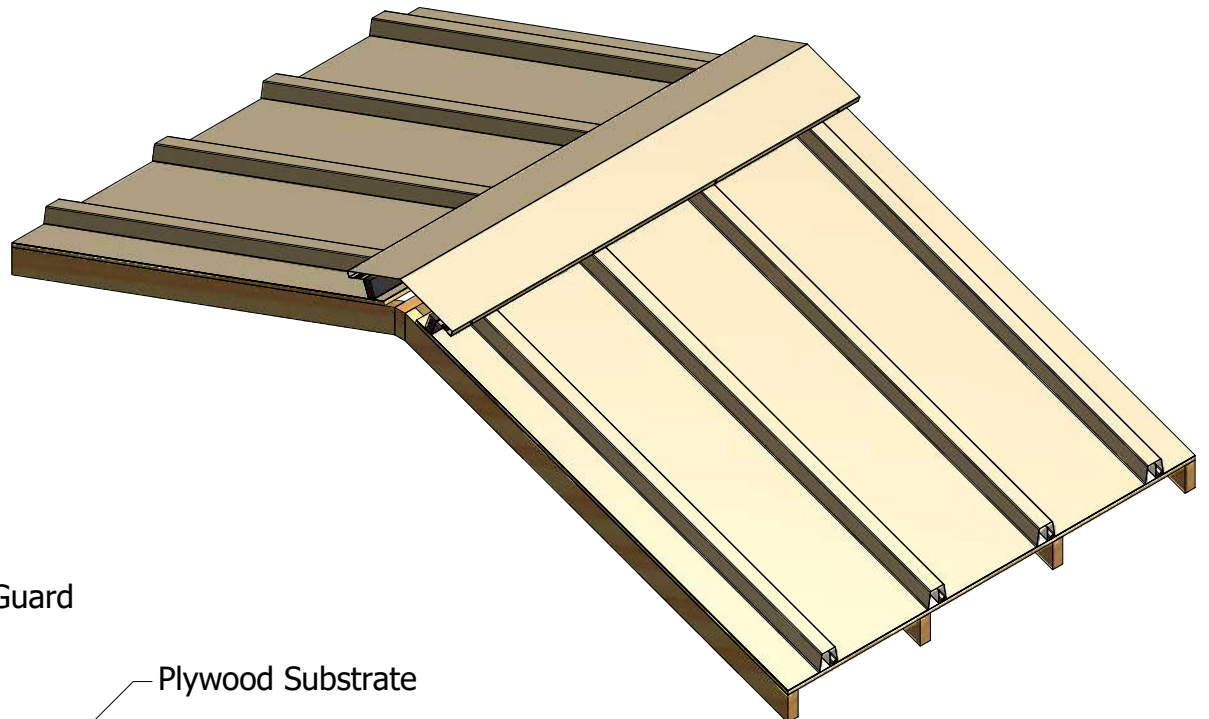
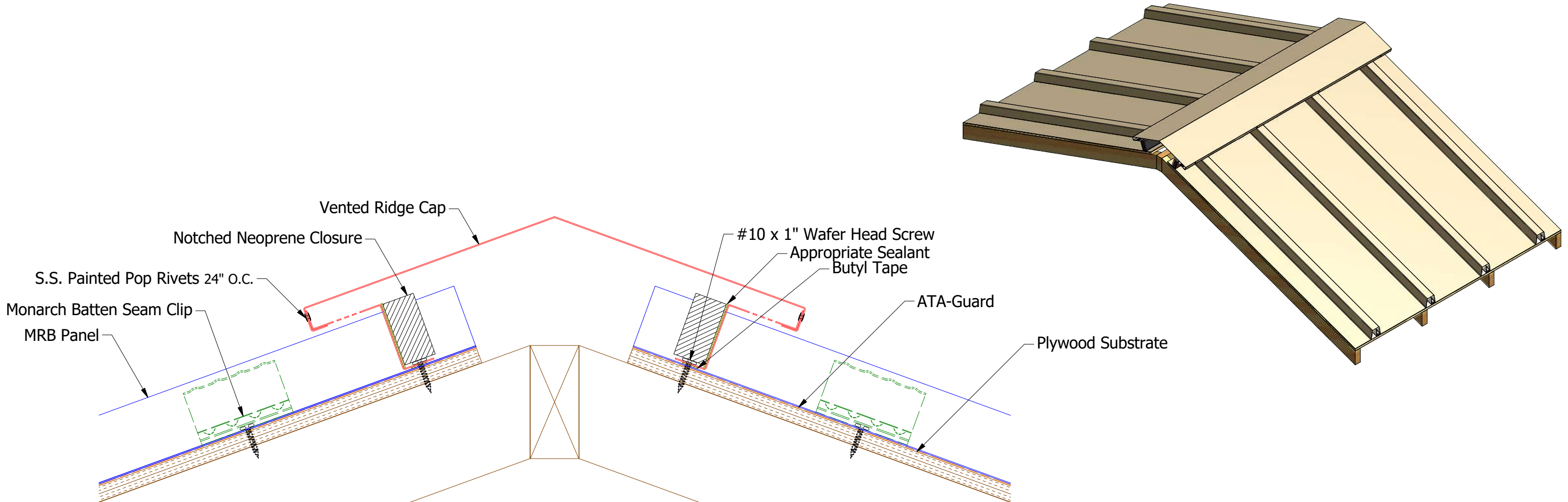
Note: \* denotes color side.



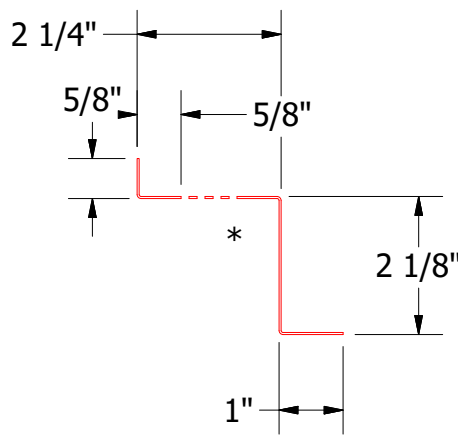
Note: \* denotes color side.

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

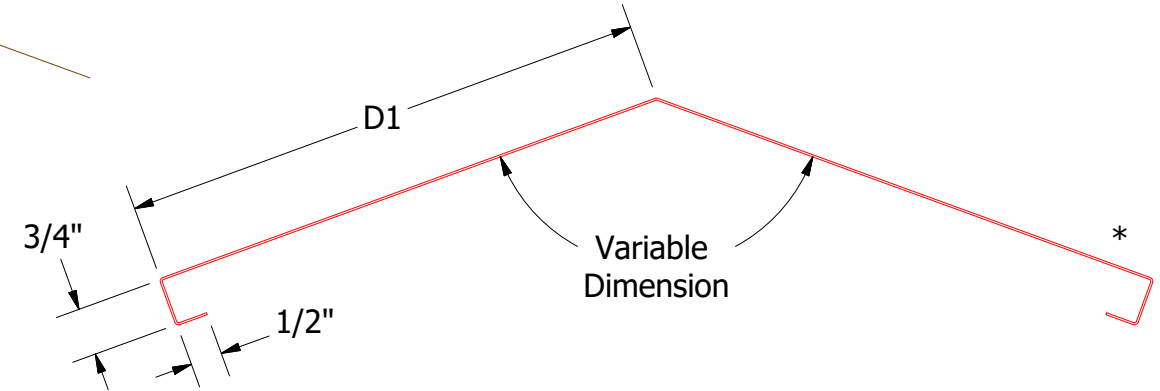
|          |          |                            |     |     |                                                                                                                                                                          |               |                   |
|----------|----------|----------------------------|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|
|          |          |                            |     |     |  ATAS INTERNATIONAL, INC<br>Allentown PA<br>610-395-8445<br>Mesa AZ<br>480-558-7210 |               |                   |
|          |          |                            |     |     | TITLE<br>MRB Vented Headwall Detail                                                                                                                                      |               |                   |
| 2        | 6/4/2019 | Updated Clip Information   | AJZ | KRK | DWG. NO.                                                                                                                                                                 | DR<br>KRK     | DATE<br>11/6/2014 |
| 1        | DATE     | Updaed Substrate and Trims | MBP |     | MATERIAL                                                                                                                                                                 | APP           | DATE              |
| REV. NO. | DATE     | DESCRIPTION OF REVISION    | BY  | APP |                                                                                                                                                                          | SH. SIZE<br>B | SCALE<br>X:X      |



Factory Pre Notched Vented Z Closure



MRA911-Vented Z Closure

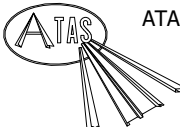


Vented Ridge Cap

- MRA322-2:12 to 6:12 Slope  
D1=7 1/4"
- MRA324-6:12 to 9:12 Slope  
D1=8 1/4"
- MRA326-9:12 to 12:12 Slope  
D1=9 1/4"

Note: \* denotes color side.

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



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|          |  |          |  |                          |  |         |  |
|----------|--|----------|--|--------------------------|--|---------|--|
| TITLE    |  |          |  | MRB Vented Ridge Detail  |  |         |  |
| DWG. NO. |  | DR       |  | KRK                      |  | DATE    |  |
| 1        |  | 6/4/2019 |  | Updated Clip Information |  | AJO KRK |  |
| REV. NO. |  | DATE     |  | DESCRIPTION OF REVISION  |  | BY APP  |  |
| SH. SIZE |  | B        |  | SCALE                    |  | X:X     |  |

