Allow for Thermal Expansion/Contraction

Dutch Seam Panel

Plywood Substrate

Dutch Seam Clip

#10 x 1" Wafer Head Screw

ATA-Shield
1 width of roll

6" Max.

S.S. Painted Pop Rivets
Metal Plug

Eave Trim

Fasica Trim

Trim Board

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"

Slope

1"

3/4"

D1

ATAS INTERNATIONAL, INC
Allentown PA
610-395-8445
Fax 42
482-518-720

Dutch Seam Eave Detail
Note: * denotes color side.

MDA939-Expansion Joint Cover

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.

Note: * denotes color side.

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

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

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

MDA610-Outside Corner Cap

MDA910-Z Closure

Interior Finish
Insulation
1/2" Plywood (min.)
Water and Air Resistive Barrier
Dutch Seam Panel
Painted Pop Rivets
Butyl Tape
#10-13 x 1" Wafer Head Screw
Z Closure
Outside Corner Cap
19 1/4"  
15"  
11"  
1 1/2" TYP.  

Stiffening ribs (Standard)  
Optional striations (Specify)  

Positive Panel Interlock (N.T.S.)
<table>
<thead>
<tr>
<th>Panel Width</th>
<th># of Fasteners per Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>11&quot;</td>
<td>3</td>
</tr>
<tr>
<td>15&quot;</td>
<td>4</td>
</tr>
<tr>
<td>19 1/4&quot;</td>
<td>5</td>
</tr>
</tbody>
</table>

11" Dutch Seam

15" Dutch Seam

19 1/4" Dutch Seam

Vented Pre-Notched Z Closures (N.T.S.)
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: 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.

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

MDA910-Z Closure
Note: * denotes color side.

**Note 1:** Install ATA Shield down Fascia as shown.
Note: * denotes color side.
4" Min. to 6" Max.
Allow for Thermal Expansion/Contraction

Plywood Substrate

ATA-Guard
(1 width of roll)

Dutch Seam Panel

Dutch Seam Clip

#10-13 x 1" Wafer Head Screw
Butyl Tape

Joggle Cleat
Valley Trim

Trim Board

Note: * denotes color side.

MDA800-Valley Pan

MDA975-Joggle Cleat (N.T.S.)
**Note:** Start/End Vented Z Closure runs with at least 2'-0" of Non-Vent Z Closures.

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

**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:** 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 side.

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

MDA911-Vented Z Closure

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

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

**Vented Shed Ridge**

- **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" / D2 = 5 3/4"
- **MDA366-9:12 to 12:12 Slope**
  - D1 = 9 1/4" / D2 = 6"

**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"

**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.

**Appropriate Sealant**

- Butyl Tape
- #10-13 x 1" Wafer Head Screw