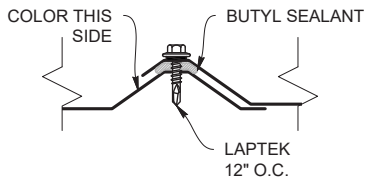
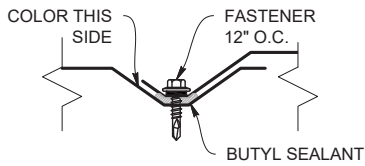


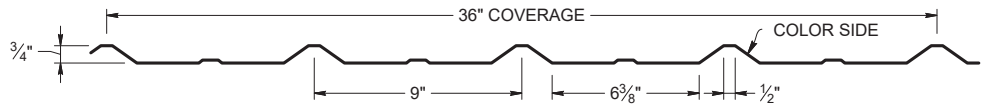
#### LAP DETAIL



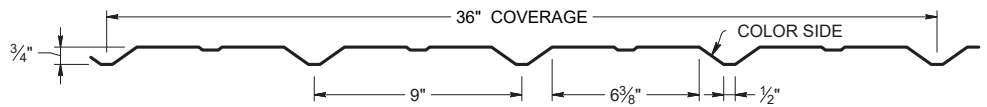
#### LAP DETAIL



#### ROOF & WALL PROFILE




#### OPTIONAL WALL PROFILE



### KEY FEATURES

- 29, 26, 24 and 22 Tru-Gauge™ and .032" Aluminum and Rusteel Plus™
- 3:12 minimum pitch recommended when installed with butyl sealant
- Custom lengths 1' to 45' (For longer length panels, please inquire)
- Long length flashings available up to 20' 11" (for longer length panels, please inquire)
- Standard trim, custom trim and accessory packages available
- Color matched neoprene washered screws
- Roof and Vertical or Horizontal Wall application
- Fiberglass & Polycarbonate panels available to match profile
- Manufactured in Salem OR

### TESTING

-  Code compliance UL Evaluation Report UL ER #25913-01
- UL 790 Class A (ASTM E108) - Fire rated
- UL 2218 Class 4 - Impact (hail) rated
- ASTM E1680 - Air infiltration (roof)
- ASTM E1646 - Water infiltration (roof)
- ASTM E331 - Water infiltration (wall)
- ASTM E283 - Air infiltration (wall)
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - ZINCALUME/Galvalume AZ-50/55
- ASTM E455-19 - Shear and Diaphragm. (For engineering data, please inquire)

### WEIGHT CHART

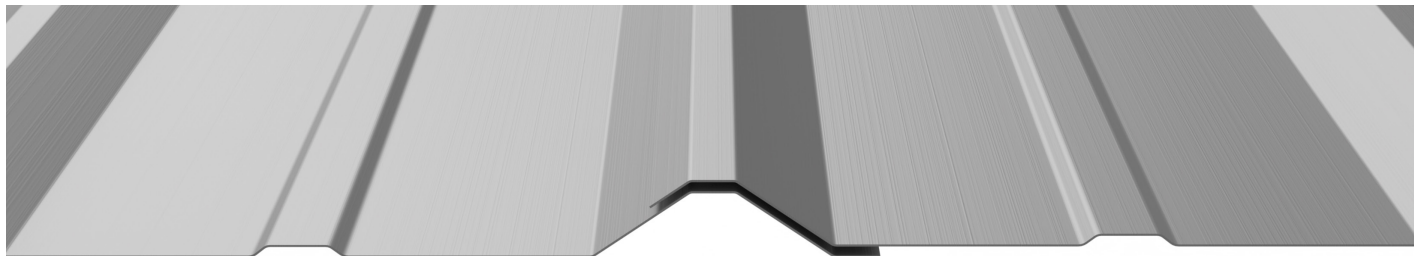
| T-3          | WIDTH | 29 GA STEEL | 26 GA STEEL | 24 GA STEEL | 22 GA STEEL | .032 ALUM | .040 ALUM |
|--------------|-------|-------------|-------------|-------------|-------------|-----------|-----------|
| THICKNESS    |       | 0.0136"     | 0.019"      | 0.0236"     | 0.0285"     | 0.032"    | 0.040"    |
| WEIGHT/LINFT | 36"   | 1.900 LBS   | 2.794 LBS   | 3.297 LBS   | 3.981 LBS   | 1.562 LBS | 1.953 LBS |
| WEIGHT/SQNF  | 36"   | 0.633 LBS   | 0.931 LBS   | 1.099 LBS   | 1.327 LBS   | 0.521 LBS | 0.651 LBS |

| ASTM E 1680/E283<br>Air Penetration     | ASTM E 1646/E331<br>Water Penetration |
|---|---------------------------------------|
| 12 PSF<0.01 CFM/ft²-PASS                | 20.5 PSF - Pass                       |
| Intertek Test Result L5460.01-901-44 R1 |                                       |
| Intertek Test Result L5461.01-901-44 R1 |                                       |

## FASTENER DIAGRAM



## PANEL ATTACHMENT



### Fastener Notes:

- When possible, lap panels away from prevailing wind direction.
- 15/32" OSB: #14 GP Neoprene Washered fastener. Screws should be long enough to penetrate through the bottom of the plywood by 3/8".
- 15/32" Plywood: #14 GP Neoprene Washered fastener. Screws should be long enough to penetrate through the bottom of the plywood by 3/8".
- Dimensional lumber: #10 GP. Screws should penetrate the lumber 1".
- 16GA (or less) steel furring: #12 Fastener with DP-1
- Sidelaps fasten with #14 LapTek screws.
- All trim screws used for roof or wall applications should have EPDM sealing washers.
- Fastener spacing is based on project specific structural requirements. Consult a licensed engineer.

## SHEAR LOAD AND STIFFNESS CHART

### Taylor Metal T3 panel at support spacing of 4' 0"

| Test No. | Ga. | Span (ft) | L (ft) | b (ft) | 0.4P <sub>max</sub> (lb) | Shear Deflection Δ <sub>n</sub> (in) | Max. Shear Load P <sub>u</sub> (lb) | Ultimate Shear S <sub>u</sub> (lb/ft) | Shear Stiffness G' (lb/in) |
|----------|-----|-----------|--------|--------|--------------------------|--------------------------------------|-------------------------------------|---------------------------------------|----------------------------|
| 1        | 26  | 4' 0"     | 16.0   | 15.0   | 3738                     | 0.074                                | 9345                                | 623.0                                 | 53881                      |
| 2        |     |           | 16.0   | 15.0   | 3818                     | 0.085                                | 9546                                | 636.4                                 | 47917                      |
| Average  |     |           |        |        |                          |                                      | 9446                                | 629.7                                 | 50899                      |
| 3        | 29  | 4' 0"     | 16.0   | 15.0   | 2082                     | 0.061                                | 5206                                | 347.1                                 | 36414                      |
| 4        |     |           | 16.0   | 15.0   | 2313                     | 0.068                                | 5782                                | 385.5                                 | 36279                      |
| Average  |     |           |        |        |                          |                                      | 5494                                | 366.3                                 | 36346                      |

### Notes:

1. Load (P) is 0.4 X ultimate shear load. Shear stiffness is measured at 0.4 ultimate load.
2. Shear Stiffness = (P/ δ<sub>s</sub>) X (a/b)
3. Panel fastener spacing was 6" and 12" o.c. at end and interior supports, respectively.