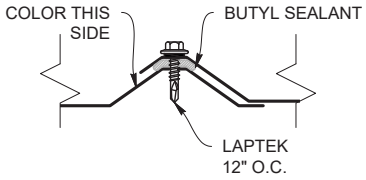
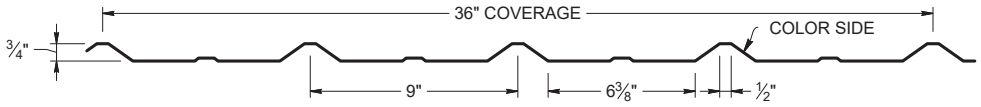
TAYLOR METAL PRODUCTS

T-3 Panel™
Roof & Wall Panel Technical Data Resource

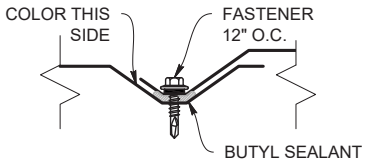
LAP DETAIL



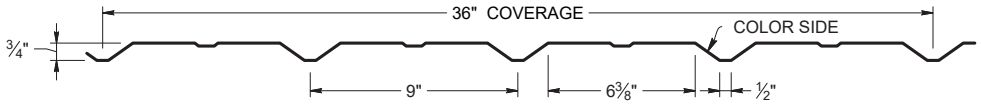
ROOF & WALL PROFILE



LAP DETAIL



OPTIONAL WALL PROFILE



KEY FEATURES

- Manufactured in Salem OR.
- 29, 26, 24 and 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 flashing, 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

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

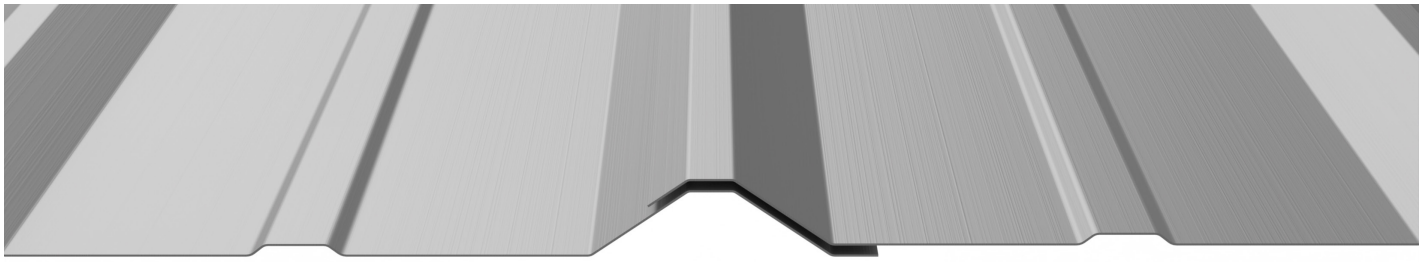
T-3	WIDTH	29 GA STEEL	26 GA STEEL	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0136"	0.019"	0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	36"	1.900 LBS	2.794 LBS	3.297 LBS	3.981 LBS	1.562 LBS	1.953 LBS
WEIGHT/SQNFT	36"	0.633 LBS	0.931 LBS	1.099 LBS	1.327 LBS	0.521 LBS	0.651 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 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. Consulant 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)	$0.4P_{max}$ (lb)	Shear Deflection Δ_n (in)	Max. Shear Load P_u (lb)	Ultimate Shear S_u (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_s) X (a/b)
3. Panel fastener spacing was 6” and 12” o.c. at end and interior supports, respectively.

Rev. Date 10-26