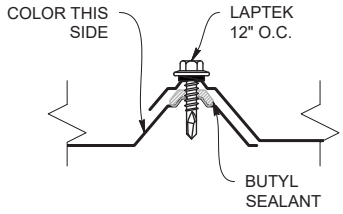
TAYLOR METAL PRODUCTS

Tuff Rib™
Roof & Wall Panel Technical Data Resource

LAP DETAIL



ROOF & WALL PROFILE



KEY FEATURES

- Manufactured in Salem OR and Riverside CA
- 29 and 26 Tru-Gauge™
- 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
- OverEZee™ Retro-fit systems available

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 E1592 - Negative structural uniform static air pressure
- ASTM E330 - Positive structural uniform static air pressure
- 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

TUFF RIB	WIDTH	29 GA STEEL	26 GA STEEL
THICKNESS		0.0136”	0.019”
WEIGHT/LINFT	36”	1.917 LBS	2.819 LBS
WEIGHT/SQFT	36”	0.639 LBS	0.940 LBS

SHEAR LOAD AND STIFFNESS CHART

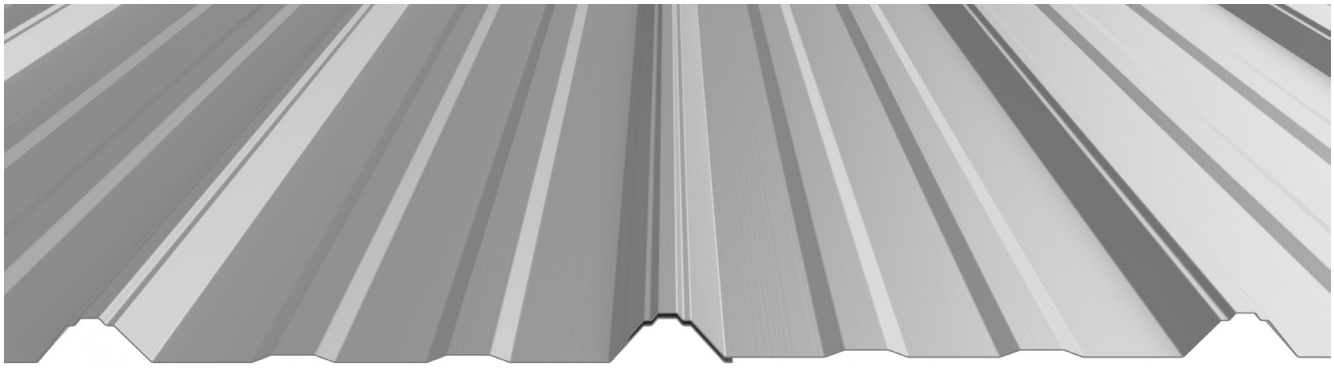
Shear load test results for Tuff Rib panels at support spacing of 4’ 0”

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	15	3848	0.106	9620	641.3	38722
2			16	15	3794	0.095	9486	632.4	42604
Average							9553	636.9	40663
3	29	4' 0"	16	15	2321	0.081	5802	386.8	30562
4			16	15	2287	0.078	5717	381.1	31273
Average							5760	384.0	30917

Notes:

P_u = Maximum applied load in the cantilever beam test (lb)
P = $0.4P_u$ in the cantilever beam test (lb)
Δ_n = Net shear deflection of diaphragm (in) at $0.4P_u$ load
G’ = Shear stiffness of the diaphragm as determined from test measurements
L = Length of diaphragm test frame = 16 ft
b = Depth of diaphragm test frame = 15 ft

PANEL ATTACHMENT



Rev. Date 10-26