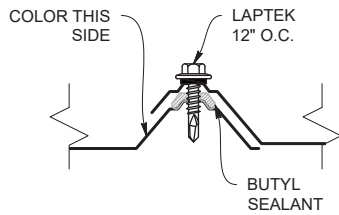
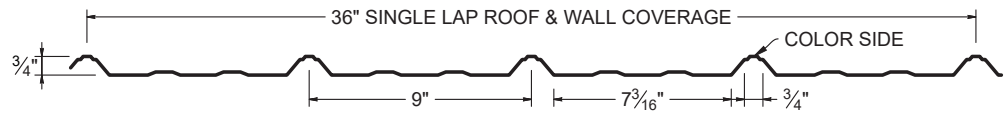


LAP DETAIL




ROOF & WALL PROFILE



KEY FEATURES

- 36" Coverage Option
- 29 Tru-Gauge™
- 3/4" Vertical Rib
- 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"
- Standard trim, custom trim and accessory packages available
- Color matched neoprene washed screws
- Roof and Vertical or Horizontal Wall application
- Perforated options available (please inquire)
- Fiberglass & Polycarbonate panels available to match profile
- Manufactured in Spokane WA
- 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® Plus/Galvalume® AZ-50/55
- ASTM E455-19 - Shear and Diaphragm.
(For engineering data, please inquire)

WEIGHT CHART

TUFF RIB	WIDTH	29 GA STEEL
THICKNESS		0.0136"
WEIGHT/LINFT	36"	1.917 LBS
WEIGHT/SQFT	36"	0.639 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

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

