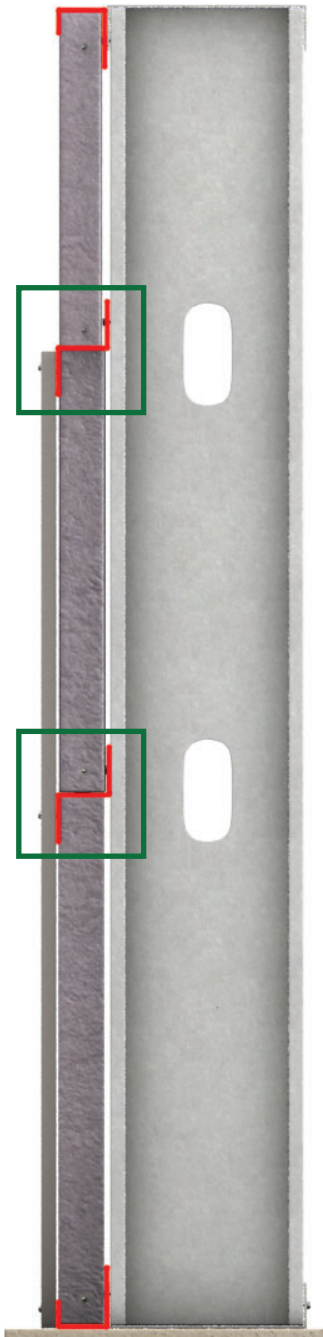


Material Properties

ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi(450MPa) minimum tensile strength, with ASTM A653/A653M G90 (Z275) hot dipped galvanized coating. Available in 33mil minimum thickness (20 gauge, 0.0346" design thickness) or 54mil minimum thickness (16 gauge, 0.0566" design thickness).

Thermal Tape: Thickness 1/16", Density 15 lbs/ft³ (ASTM D-1667), Thermal Conductivity k-factor 0.3 (ASTM C-518)



ThermaFast Z-Track is installed between every 24" rigid foam insulation.

ThermaFast® Z-Track Product Profile								
Section	Leg 1 Length	Leg 2 Length	Rigid Foam Insulation Depth	Gauge	Design Thickness	Min Steel Thickness	Inside Bend Radius	Unit Weight
	(in)	(in)	(in)	(ga)	(in)	(in)	(R)	(lbs/ft)
100ZT-33, 50ksi	1.5	1.5	1.0	20	0.0346	0.0329	0.0764	0.46
150ZT-33, 50ksi			1.5					0.52
200ZT-33, 50ksi			2.0					0.58
300ZT-33, 50ksi			3.0					0.69
400ZT-33, 50ksi			4.0					0.80
100ZT-54, 50ksi	1.5	1.5	1.0	16	0.0566	0.0538	0.0849	0.77
150ZT-54, 50ksi			1.5					0.86
200ZT-54, 50ksi			2.0					0.95
300ZT-54, 50ksi			3.0					1.13
400ZT-54, 50ksi			4.0					1.32

ThermaFast® Z-Track Section Properties		
Section	M _{xa}	M _{ya}
	(kips-in)	(kips-in)
100ZT-33, 50ksi	0.80	0.65
150ZT-33, 50ksi	0.79	1.23
200ZT-33, 50ksi	0.78	1.69
300ZT-33, 50ksi	0.78	2.72
400ZT-33, 50ksi	0.78	3.85
100ZT-54, 50ksi	1.83	1.52
150ZT-54, 50ksi	1.80	2.81
200ZT-54, 50ksi	1.80	3.99
300ZT-54, 50ksi	1.78	6.43
400ZT-54, 50ksi	1.79	9.17

Table Notes:

- M_{xa} is the ASD moment capacity in the gravity load direction based on 24" o.c. fastening to stud max.
- M_{ya} is the ASD moment capacity in the wind load direction based on 24" o.c. fastening to stud max.
- Attach track with minimum one #10-16 self-drilling screws to each stud. (2) screws may be required for high design wind pressures (higher than 30 psf service level)
- Refer to project specification and/or architectural sections for wall assembly details related to fire and acoustical performance as well as water resistance.