TRAKLOC® Non-Composite Limiting Heights
FULLY BRACED

Width (in)	Stud Member (TLE)	Design thickness (in)	Yield strength (ksi)	Spacing (in)	5 PSF			7.5 PSF			10 PSF		
					L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
2-1/2	TRAKLOC 25 (18mil) 250TLE125-18	0.0188	33	12	12'-3"	10'-3"	9'-0"	10'-0"	10'-0"	8'-10"	8'-8" e	8'-8" e	8'-0" e
				16	10'-7"	9'-4"	8'-2"	8'-8" e	8'-8" e	8'-0" e	7'-6" e	7'-6" e	7'-3" e
				24	8'-8" e	8'-2" e	7'-1"	7'-1" e	7'-1" e	7'-0" e	6'-1" e	6'-1" e	6'-1" e
	TRAKLOC 20EQ (24mil) 250TLE125-24	0.0250	57	12	14'-5"	11'-6"	10'-0"	14'-2"	11'-3"	9'-10"	12'-4"	10'-3"	8'-11"
				16	13'-1"	10'-5"	9'-1"	12'-4"	10'-3"	8'-11"	10'-9"	9'-4"	8'-2"
				24	11'-6"	9'-1"	7'-11"	10'-1"	8'-11"	7'-10"	8'-9"	8'-2"	7'-1"
	TRAKLOC 30mil 250TLE125-30	0.0312	33	12	16'-3"	12'-10"	11'-3"	14'-10"	12'-8"	11'-1"	12'-10"	11'-6"	10'-1"
				16	14'-9"	11'-8"	10'-3"	12'-10"	11'-6"	10'-1"	11'-1"	10'-5"	9'-2"
				24	12'-10"	10'-3"	8'-11"	10'-6"	10'-1"	8'-9"	9'-1"	9'-1"	8'-0"
	TRAKLOC 33mil 250TLE125-33	0.0346	33	12	16'-6"	13'-1"	11'-5"	15'-10"	12'-10"	11'-3"	13'-9"	11'-8"	10'-3"
				16	15'-0"	11'-11"	10'-5"	13'-9"	11'-8"	10'-3"	11'-11"	10'-7"	9'-3"
				24	13'-1"	10'-5"	9'-1"	11'-2"	10'-3"	8'-11"	9'-8"	9'-3"	8'-1"
3-5/8	TRAKLOC 25 (18mil) 362TLE125-18	0.0188	33	12	14'-11"	13'-10"	12'-1"	12'-2" e	12'-2" e	11'-1" e	10'-6" e	10'-6" e	10'-6" e
				16	12'-11" e	12'-7" e	11'-0"	10'-6" e	10'-6" e	10'-6" e	9'-1" e	9'-1" e	9'-1" e
				24	10'-6" e	10'-6" e	9'-7" e	8'-7" e	8'-7" e	8'-7" e	7'-5" e	7'-5" e	7'-5" e
	TRAKLOC 20EQ (24mil) 362TLE125-24	0.0250	57	12	19'-5"	15'-5"	13'-6"	17'-8"	15'-2"	13'-3"	15'-4"	13'-10"	12'-1"
				16	17'-8"	14'-0"	12'-3"	15'-4"	13'-10"	12'-1"	13'-3"	12'-6"	10'-11"
				24	15'-4"	12'-3"	10'-8"	12'-6"	12'-1"	10'-6"	10'-10" e	10'-10" e	9'-7"
	TRAKLOC 30mil 362TLE125-30	0.0312	33	12	21'-4"	17'-0"	14'-10"	17'-9"	16'-8"	14'-7"	15'-4"	15'-2"	13'-3"
				16	18'-10"	15'-5"	13'-6"	15'-4"	15'-2"	13'-3"	13'-3"	13'-3"	12'-0"
				24	15'-4"	13'-6"	11'-9"	12'-6"	12'-6"	11'-7"	10'-10"	10'-10"	10'-6"
	TRAKLOC 33mil 362TLE125-33	0.0346	33	12	21'-9"	17'-3"	15'-1"	19'-2"	17'-0"	14'-10"	16'-7"	15'-5"	13'-6"
				16	19'-9"	15'-8"	13'-9"	16'-7"	15'-5"	13'-6"	14'-4"	14'-0"	12'-3"
				24	16'-7"	13'-9"	12'-0"	13'-6"	13'-6"	11'-9"	11'-9"	11'-9"	10'-9"
4	TRAKLOC 25 (18mil) 400TLE125-18	0.0188	33	12	15'-7" e	14'-8"	12'-10"	12'-9" e	12'-9" e	12'-8" e	11'-0" e	11'-0" e	11'-0" e
				16	13'-6" e	13'-4" e	11'-8" e	11'-0" e	11'-0" e	11'-0" e	9'-7" e	9' 7" e	9'-7" e
				24	11'-0" e	11'-0" e	10'-2" e	9'-0" e	9'-0" e	9'-0" e	7'-10" e	7'-10" e	7'-10" e
	TRAKLOC 20EQ (24mil) 400TLE125-24	0.0250	57	12	21'-1"	16'-9"	14'-7"	18'-9"	16'-5"	14'-4"	16'-3"	14'-11"	13'-1"
				16	19'-2"	15'-2"	13'-3"	16'-3"	14'-11"	13'-1"	14'-1"	13'-7"	11'-10"
				24	16'-3"	13'-3"	11'-7"	13'-3"	13'-1"	11'-5"	11'-6"	11'-6"	10'-4"
	TRAKLOC 30mil 400TLE125-30	0.0312	33	12	22'-11"	18'-4"	16'-0"	18'-8"	18'-1"	15'-9"	16'-2"	16'-2"	14'-4"
				16	19'-10"	16'-8"	14'-7"	16'-2"	16'-2"	14'-4"	14'-0"	14'-0"	13'-0"
				24	16'-2"	14'-7"	12'-9"	13'-3"	13'-3"	12'-6"	11'-5"	11'-5"	11'-4"
	TRAKLOC 33mil 400TLE125-33	0.0346	33	12	23'-3"	18'-6"	16'-2"	20'-2"	18'-2"	15'-11"	17'-6"	16'-6"	14'-5"
				16	21'-2"	16'-9"	14'-8"	17'-6"	16'-6"	14'-5"	15'-2"	15'-0"	13'-1"
				24	17'-6"	14'-8"	12'-10"	14'-3"	14'-3"	12'-7"	12'-4"	12'-4"	11'-5"
6	TRAKLOC 25 (18mil) 600TLE125-18	0.0188	33	12	19'-2" e	19'-2" e	17'-6" e	15'-8" e	15'-8" e	15' 8" e	13'-7" e	13'-7" e	13'-7" e
				16	16'-7" e	16'-7" e	15'-10" e	13'-7" e	13'-7" e	13'-7" e	11'-9" e	11'-9" e	11'-9" e
				24	13'-7" e	13'-7" e	13'-7" e	11'-1" e	11'-1" e	11'-1" e	9'-7" e	9'-7" e	9'-7" e
	TRAKLOC 20EQ (24mil) 600TLE125-24	0.0250	57	12	27'-11"	22'-10"	20'-0"	22'-10" e	22'-6"	19'-8"	19'-9" e	19'-9" e	17'-10" e
				16	24'-2"	20'-9"	18'-2"	19'-9" e	19'-9" e	17'-10" e	17'-1" e	17'-1" e	16'-3" e
				24	19'-9" e	18'-2" e	15'-10"	16'-1" e	16'-1" e	15'-7" e	14'-0" e	14'-0" e	14'-0" e
	TRAKLOC 30mil 600TLE125-30	0.0312	33	12	29'-5"	25'-0"	21'-10"	24'-0"	24'-0"	21'-6"	20'-10"	20'-10"	19'-7"
				16	25'-6"	22'-9"	19'-10"	20'-10"	20'-10"	19'-7"	18'-0" e	18'-0" e	17'-9" e
				24	20'-10"	19'-10"	17'-4"	17'-0" e	17'-0" e	17'-0" e	14'-9" e	14'-9" e	14'-9" e
	TRAKLOC 33mil 600TLE125-33	0.0346	33	12	31'-11"	25'-4"	22'-2"	26'-8"	24'-11"	21'-10"	23'-1" e	22'-8"	19'-10"
				16	28'-3"	23'-1"	20'-2"	23'-1" e	22'-8"	19'-10"	20'-0" e	20'-0" e	18'-0" e
				24	23'-1" e	20'-2"	17'-7"	18'-10" e	18'-10" e	17'-4" e	16'-4" e	16'-4" e	15'-9" e

For SI Units: 1 inch = 25.4 mm, 1 ft = 0.3048m, 1 psf = 47.88 Pa

NOTES

- Heights are based on AISI S100-07 w/S2-10 Supplement, and AISI S100-12 Specification using steel properties alone.
- Compression flange must be continuously braced.
- End bearing must be 1 inch.
- The minimum overlap of the TSO (Outer Stud) and TSE (Inner Stud) must be 11 inches and must be connected with a minimum of (4) #8 x 9/16" long wafer head screws complying with ASTM C1513.

1 Web height-to-thickness ratio exceeds 200. Webs must have bearing stiffeners. See AISI S100 Section B1.2.

2 Web height-to-thickness ratio exceeds 260 but less than 300. Webs must have bearing and intermediate stiffeners. See AISI S100 Section B1.2.

e Web stiffeners are required at the stud/track connection.