

Longboard L-Clip Spacing Tables
Table 1 – Light Weight (2 psf) Metal Cladding in High Seismic Zone

L-Clip Size	Wind Load (psf)	Maximum L-Clip Vertical Spacing (inches)			
		Vertical T-Girt		Horizontal T-Girt	
		16" o.c. Horizontal Spacing	24" o.c. Horizontal Spacing	16" o.c. Horizontal Spacing	24" o.c. Horizontal Spacing
3"	20	48	42	40	40
	40	36	30	32	32
	60	30	24	28	24
	80	24	18	24	18
4"	20	48	42	40	40
	40	36	30	32	32
	60	30	24	28	24
	80	24	18	24	18
5"	20	48	42	40	40
	40	36	30	32	32
	60	30	24	28	24
	80	24	18	24	18
6"	20	48	40	40	40
	40	36	30	32	32
	60	30	24	28	24
	80	24	18	24	18

Notes, Assumptions, and Limitations:

- The wind pressures listed are assumed to act equally either inwards towards to the face of the wall, or outwards away from the wall (negative pressure / suction).
- The 2 psf cladding dead load is assumed to include the weight of the wall cladding and any cladding support framing outboard of the Longboard T-Girt.
- Loads shown are applied loads, after all appropriate load factors have been included, suitable for strength design with Load and Resistance Factor Design (LRFD) or Limit States Design.
- Deflection limits of L/180 for the T-Girt have been considered, using a reduced wind pressure equal to 50% of the value listed in the table.
- Project designer must confirm strength and deflection of selected wall cladding product.
- Earthquake loads have been considered for a "high" seismic region, using a value equal to 50% of the 2 psf cladding weight, applied horizontally in any direction.
- L-Clip fasteners for steel stud backup walls must be (3) #12 screws per clip, into an 18 ga stud.
- L-Clip fasteners for wood stud backup walls must be (3) #12 wood screws per clip, with minimum 2" embedment into a 2x4 stud.
- L-Clip fasteners for cast-in-place concrete or concrete masonry unit (CMU) backup walls must be (3) 3/16" diameter Hilti Kwik-Con II anchors (or equivalent) with 1.75" embedment.

Longboard L-Clip Spacing Tables

Table 2 – Medium Weight (8 psf) Rigid Cladding in Low Seismic Zone

L-Clip Size	Wind Load (psf)	Maximum L-Clip Vertical Spacing (inches)			
		Vertical T-Girt		Horizontal T-Girt	
		16" o.c. Horizontal Spacing	24" o.c. Horizontal Spacing	16" o.c. Horizontal Spacing	24" o.c. Horizontal Spacing
3"	20	36	24	36	24
	40	36	24	33	24
	60	30	24	29	24
	80	26	18	26	18
4"	20	30	20	30	20
	40	30	20	30	20
	60	30	20	29	20
	80	26	18	26	18
5"	20	26	18	26	18
	40	26	18	26	18
	60	26	18	26	18
	80	24	16	24	16
6"	20	22	15	22	15
	40	22	15	22	15
	60	22	15	22	15
	80	22	15	22	15

Notes, Assumptions, and Limitations:

- The wind pressures listed are assumed to act equally either inwards towards to the face of the wall, or outwards away from the wall (negative pressure / suction).
- The 8 psf cladding dead load is assumed to include the weight of the wall cladding and any cladding support framing outboard of the Longboard T-Girt.
- Loads shown are applied loads, after all appropriate load factors have been included, suitable for strength design with Load and Resistance Factor Design (LRFD) or Limit States Design.
- Deflection limits of L/360 for the T-Girt have been considered, using a reduced wind pressure equal to 50% of the value listed in the table.
- Project designer must confirm strength and deflection of selected wall cladding product.
- Earthquake loads have been considered for a "low" seismic region, using a value equal to 10% of the 8 psf cladding weight, applied horizontally in any direction.
- L-Clip fasteners for steel stud backup walls must be (3) #12 screws per clip, into an 18 ga stud.
- L-Clip fasteners for wood stud backup walls must be (3) #12 wood screws per clip, with minimum 2" embedment into a 2x4 stud.
- L-Clip fasteners for cast-in-place concrete or concrete masonry unit (CMU) backup walls must be (3) 3/16" diameter Hilti Kwik-Con II anchors (or equivalent) with 1.75" embedment.

Longboard L-Clip Spacing Tables
Table 3 – Medium Weight (8 psf) Rigid Cladding in High Seismic Zone

L-Clip Size	Wind Load (psf)	Maximum L-Clip Vertical Spacing (inches)			
		Vertical T-Girt		Horizontal T-Girt	
		16" o.c. Horizontal Spacing	24" o.c. Horizontal Spacing	16" o.c. Horizontal Spacing	24" o.c. Horizontal Spacing
3"	20	24	18	24	18
	40	24	18	24	18
	60	24	18	24	18
	80	24	18	24	18
4"	20	20	14	20	14
	40	20	14	20	14
	60	20	14	20	14
	80	20	14	20	14
5"	20	18	12	18	12
	40	18	12	18	12
	60	18	12	18	12
	80	18	12	18	12
6"	20	16	10	16	10
	40	16	10	16	10
	60	16	10	16	10
	80	16	10	16	10

Notes, Assumptions, and Limitations:

- The wind pressures listed are assumed to act equally either inwards towards to the face of the wall, or outwards away from the wall (negative pressure / suction).
- The 8 psf cladding dead load is assumed to include the weight of the wall cladding and any cladding support framing outboard of the Longboard T-Girt.
- Loads shown are applied loads, after all appropriate load factors have been included, suitable for strength design with Load and Resistance Factor Design (LRFD) or Limit States Design.
- Deflection limits of L/360 for the T-Girt have been considered, using a reduced wind pressure equal to 50% of the value listed in the table.
- Project designer must confirm strength and deflection of selected wall cladding product.
- Earthquake loads have been considered for a "high" seismic region, using a value equal to 50% of the 8 psf cladding weight, applied horizontally in any direction.
- L-Clip fasteners for steel stud backup walls must be (3) #12 screws per clip, into an 18 ga stud.
- L-Clip fasteners for wood stud backup walls must be (3) #12 wood screws per clip, with minimum 2" embedment into a 2x4 stud.
- L-Clip fasteners for cast-in-place concrete or concrete masonry unit (CMU) backup walls must be (3) 3/16" diameter Hilti Kwik-Con II anchors (or equivalent) with 1.75" embedment.