

Extensive SSTB testing has been done to determine the design load capacity at a common application, the garage stem wall. Design loads are based on the lowest ultimate, from a series of five tests, with a three-times safety factor.

SPECIAL FEATURES: • Rolled threads for higher tensile capacity.

- Offset angle reduces side-bursting, provides more concrete cover.
- Stamped bolt head for identification after pour.
- Stamped embedment line aids installation.
- Configuration results in minimum rebar interference.

INSTALLATION: • SSTB is used for monolithic and two-pour installations.

- Nuts and washers are not supplied with the SSTB; install standard nuts, couplers and/or washers as required.

REINFORCED CONCRETE FOUNDATION

- Install SSTB before the concrete pour using an MKP or Anchor Mate (see page 29). Install the SSTB diagonally at approximately 45° from the wall. Install one #4 rebar 3" to 5" from the top of the foundation.

- The SSTB does not need to be tied to the rebar.

- Minimum concrete compression strength is 2500 psi. Unless noted otherwise, no special inspection is required for foundation concrete when the structural design is based on concrete no greater than 2500 psi (1997 Uniform Building Code, section 1701.5.1).
- Use 90% of the table load for 2000 psi concrete.

REINFORCED CONCRETE BLOCK

- Before concrete pour, install diagonally at approx. 45° in the cell.
- Horizontal #4 rebar (minimum 56" long)—approx. one rebar 12" from the top and two rebars approx. 28" from the top. Vertical #4 rebar (minimum 24" long)—install with maximum 24" o.c. spacing.
- Grout all cells with minimum 2000 psi concrete. Vibrate the grout per the 1997 Uniform Building Code, section 2104.6.2.

OPTIONS: Available in hot-dip galvanized; consult factory.

CODES: ICBO 4935, City of L.A. RR 25248 for concrete foundation only.

SELECTION TABLE

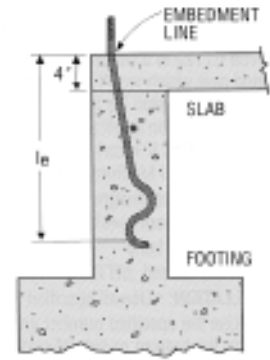
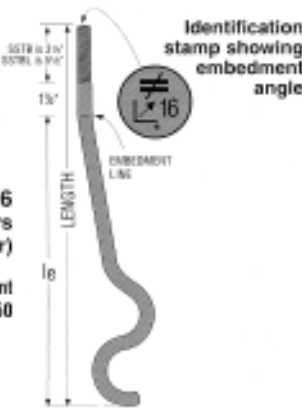
Model No.	2x, 3x, 2-2x Sill Plates	
	Mono Pour	Two Pour
PHD2, HD2A, LTT20B, LTT31, HTT16, HD5A	SSTB16	SSTB20
PHD5, MTT28B	SSTB20	SSTB24
HTT22, HDC5/22, HDC5/4	SSTB24	—
PHD6, PHD8, HD6A, HD8A, HD10A, HDQ8, HDC10/22, HDC10/4	SSTB28	SSTB34

1. SSTBL models are recommended for PHD holdowns on 2-2x and 3x sill plates.

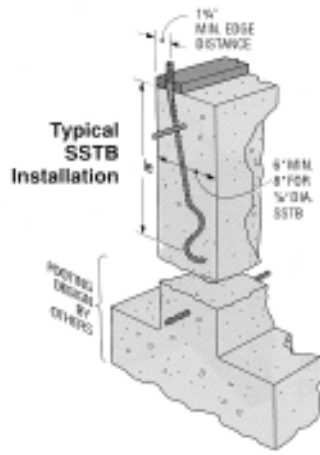
Model No.	Stemwall Width	Dia	Length	Min Embed l_e	Avg Unit	Allowable Tension Load (133) ^{1,2}		
						Concrete + $f'c = 2500$ psi	Concrete Block	Concrete Block End
SSTB16	6	¾"	17%	12"	13640	4420	4780	1850
SSTB20	6	¾"	21%	16"	14745	4600	4780	1850
SSTB24	6	¾"	25%	20"	14745	5175	4780	1850
SSTB28	8	¾"	29%	24"	32700	10100	6385	4815
SSTB34	8	¾"	34%	28"	32700	10100	6385	4815
SSTB36	8	¾"	36%	28"	32700	10100	6385	4815

- Loads may not be increased for short-term loading. Loads apply to earthquake and wind loading.
- Minimum anchor center-to-center spacing is 2 l_e for anchors acting in tension at the same time for full load.
- The SSTB was tested in a stem wall with a minimum amount of concrete cover.
- Maximum allowable load is 8150 lbs. for SSTB28, 34 and 36 when used 5" from the end of a concrete foundation. Use full table load when installed

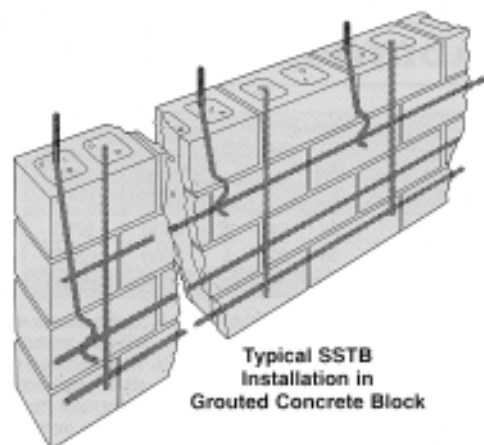
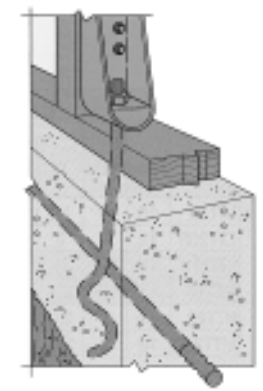
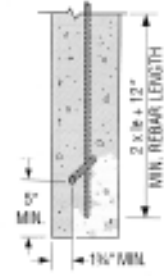
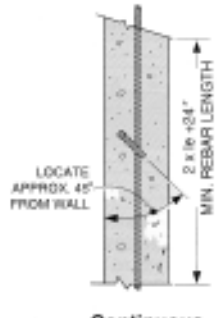
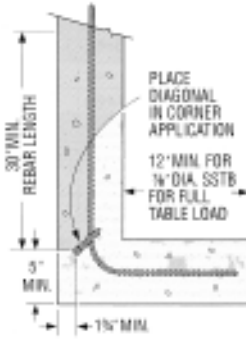
- 24" from the end or installed in a corner condition (see illustration).
- Connection is limited by the lowest of bolt or holdown capacity.
- PHD minimum end distance is 4 l_e . Minimum end distance for Strong-Wall™ shearwalls is 3 l_e .
- Order the SSTBL models for longer thread length (5 l_e). SSTBL and SSTB loads are the same.



Double Pour Installation (SSTB20, 24 and 34)



TYPICAL PLAN VIEWS OF REBAR INSTALLATION



STEEL PRODUCTS