

CCQM/CCTQM/ECCLQM Column Caps for CMU and Concrete Piers

The new CCQM/CCTQM/ECCLQM embedded column caps are designed for use in raised-pier foundations and applications where heavy timbers rest on concrete or concrete-block columns. The heavy-gauge beam seats and unique SSTB anchor bolts provide the high uplift and lateral resistance needed to help resist high-wind events.

- Framing is fastened with Simpson Strong-Tie® Strong-Drive® SDS wood screws (*included*) which install with no pre-drilling and feature a corrosion resistant double-barrier coating
- Hot-dip galvanized coating for corrosion resistance
- CCQM—Intended for use along a floor support beam and non-corner locations
- CCTQM—Also for use along a floor support beam and non-corner locations with a side bucket that accommodates intermediate support beams coming in at 90°
- ECCLQM-KT—Intended for use at the corners with a strap to make the connection from the ECCLQM to the wall framing above

MATERIAL: 7 gauge **FINISH:** Hot-dip galvanized
OPTIONS: • For variable widths on side stirrups specify W3 (3¼"-5½") and add an "X" to the end of the core model number.
 Example: CCTQM5.50X-SDSG W3 = 3⅝"
 • Contact Simpson Strong-Tie for other coating options.

Dimensions

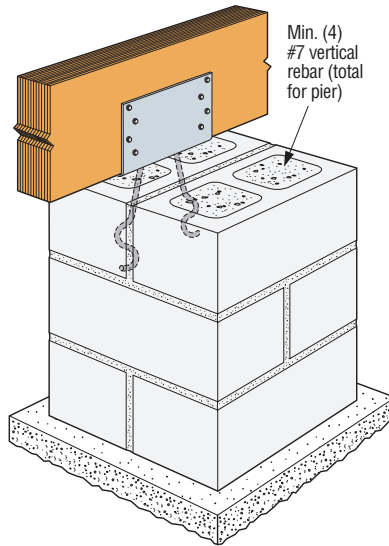
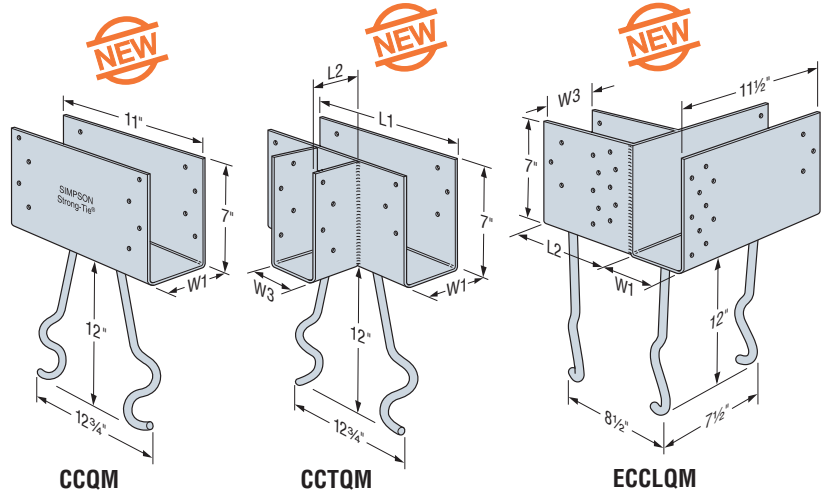
Model No.	Main Channel Width (W1)	Side Stirrup Width (W3)	Main Channel Length (L1)	Main Channel Length (L2)
CCQM3.62-SDSHDG	3⅝"	—	11"	—
CCQM4.62-SDSHDG	4⅝"	—	11"	—
CCQM5.50-SDSHDG	5½"	—	11"	—
CCTQM3.62-SDSG	3⅝"	3⅝"	11½"	4"
CCTQM4.62-SDSG	4⅝"	4⅝"	13½"	4"
CCTQM5.50-SDSG	5½"	5½"	13½"	4"
ECCLQM3.62G-KT ¹	3⅝"	3⅝"	11½"	7¾"
ECCLQM4.62G-KT ¹	4⅝"	4⅝"	11½"	7¾"
ECCLQM5.50G-KT ¹	5½"	5½"	11½"	7¾"

1. The MSTQM strap is a component of the ECCLQM kits. It is 12 ga. (0.101"); 3" wide and 48" long.

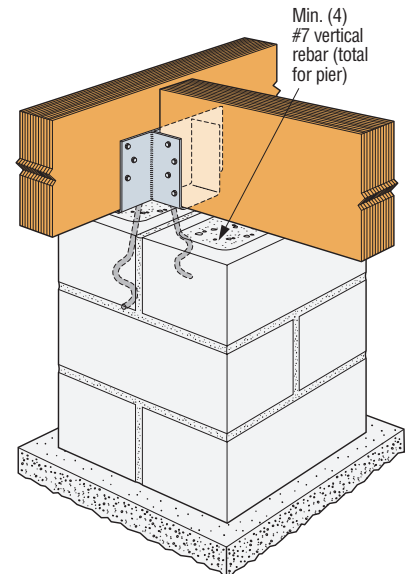
These products feature additional corrosion protection.

Model No.	No. of SDS ¼"x2½" Screws		16" Sq. x 16" Tall Grout-Filled CMU Pier ⁶				16" Sq. x 8" Tall CMU Shell Filled with 3 ksi Concrete			
			Uplift (160)			Lateral (160)	Uplift (160)			Lateral (160)
			Main Beam	Side Beam	Total		Main Beam	Side Beam	Total	
CCQM-SDSHDG	12	—	6750	—	6750	2460	6855	—	6855	2770
CCTQM-SDSG	12	8	6750	5375	6750	2460	6855	6720	6855	2770
ECCLQM-G-KT	16	16	6240	6240	7300	2220	6240	6240	8260	2680

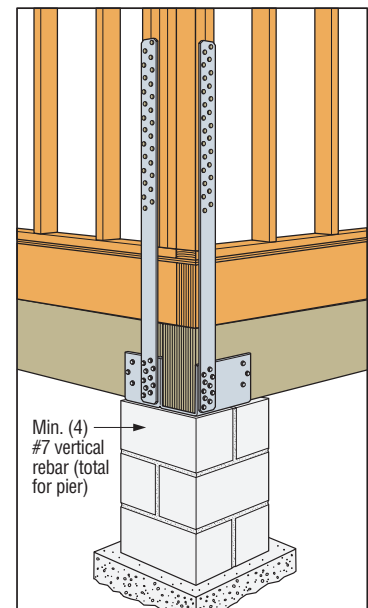
1. The allowable loads have been increased for wind or earthquake loading with no further increase allowed.
2. Total uplift load and lateral load is based on tested anchor failure in the pier.
3. Allowable loads are based on either a 16" square grout-filled CMU pier with f_m of 1500 psi or a 16" sq. x 8" tall CMU shell filled with 3000 psi concrete. A minimum of (4) #7 vertical rebars are required. The Designer shall design and detail the CMU/concrete pier to resist all forces including uplift, shear, and moment.
4. Side beam and main beam uplift loads assume DF members and are not additive.
5. The ECCLQM-KT is a kit packaged with (2) MSTQM straps and (32) SDS ¼" x 2½" screws. One strap may be installed on each face of the ECCLQM (*as shown*), using the SDS screws into the beams and 26-16dx2½" nails (*not provided*) into the wall framing. The MSTQM strap's allowable tension load is 6240 lbs.
6. The allowable loads listed for grout-filled CMU apply to solid concrete piers of 2500 psi concrete a minimum of 16" square.



Typical CCQM Installation



Typical CCTQM Installation



Typical ECCLQM Installation