NEW!

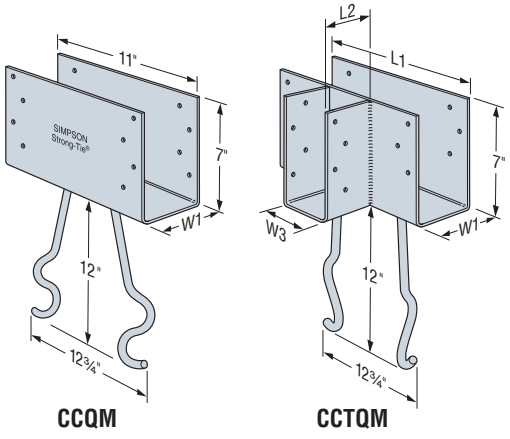
CCQM/CCTQM/ECCLQM

Column Caps for CMU and Concrete Piers

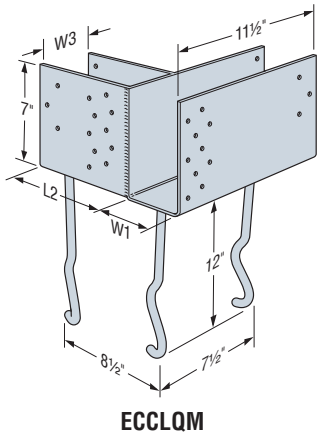
SIMPSON Strong-Tie®

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-style anchor bolts provide the high uplift and lateral resistance needed to help resist high-wind events.

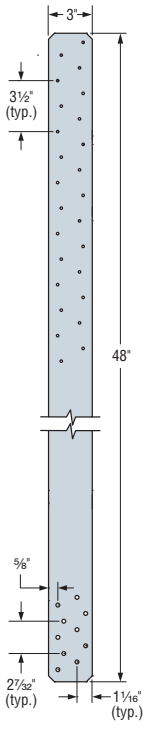
- Framing is fastened with Simpson Strong-Tie® Strong-Drive® SDS wood screws *(included)* that install with no pre-drilling and feature a corrosion-resistant double-barrier coating
- Hot-dip galvanized coating for corrosion resistance
- CCQM—Intended for use along a floor support beam and non-corner 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 MSTQM strap to make the connection from the ECCLQM to the wall framing above



CCQM CCTQM



ECCLQM



MSTQM

Typical ECCLQM Installation

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 (W_1)	Side Stirrup Width (W_3)	Main Channel Length (L_1)	Side Channel Length (L_2)
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.

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

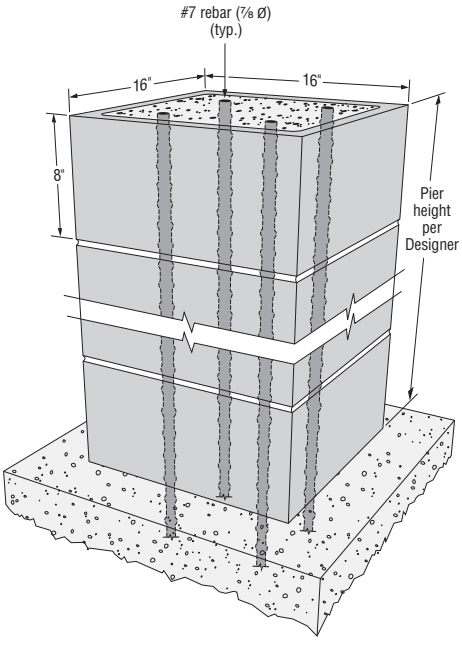
These products feature additional corrosion protection.

Model No.	No. of SDS ¼"x2½" Screws		16" Sq. Grout-Filled CMU Pier[7]				16" Square CMU Shell Filled with 3000 psi Concrete[8]			
			Uplift (160)			Lateral (160)	Uplift (160)			Lateral (160)
	Main Beam	Side Beam	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
ECCLQMG-KT[6]	16	16	6240	6240	7300	2220	6240	6240	8260	2680

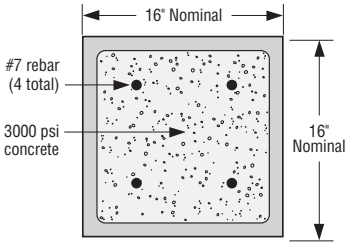
1. The allowable loads have been increased for wind or earthquake loading with no further increase allowed.
2. Total uplift load and lateral load is based on tested anchor failure in the pier.
3. Allowable loads are based on either a 16" square grout-filled CMU pier with f'_m of 1500 psi or a 16" square 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. Pier height per Designer.
5. Side beam and main beam uplift loads assume DF members and are not additive.
6. The allowable loads listed for grout-filled CMU apply to solid concrete piers of 2500 psi concrete a minimum of 16" square.
7. The allowable loads listed for CMU shell-filled with 3000 psi concrete apply to solid concrete piers of 3000 psi concrete a minimum of 12" square.
8. The ECCLQM-KT is a kit packaged with (2) MSTQM straps and (32) SDS ¼"x2½" 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.

Typical CCQM Installation

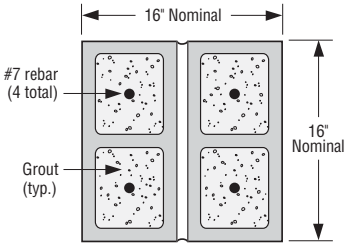
Typical CCTQM Installation



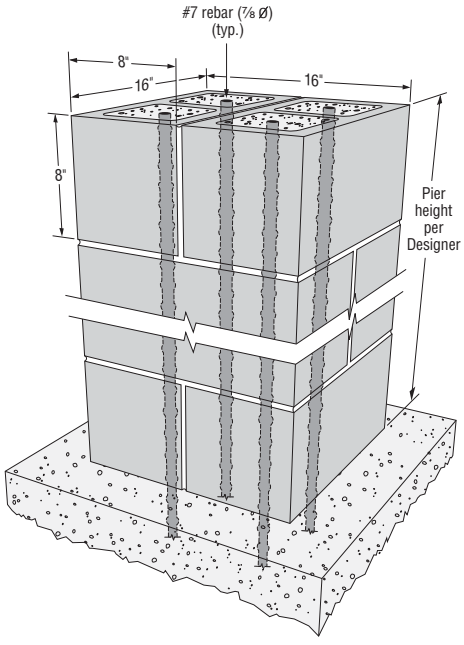
16" Square CMU Shell Filled with 3000 psi Concrete Pier



16" Square CMU Shell Filled with 3000 psi Concrete Pier
(Plan View)



16" Square Grout-Filled CMU Pier
(Plan View)



16" Square Grout-Filled CMU Pier

This flier is effective until June 30, 2012, and reflects information available as of March 1, 2010. This information is updated periodically and should not be relied upon after June 30, 2012; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.

800-999-5099
www.strongtie.com