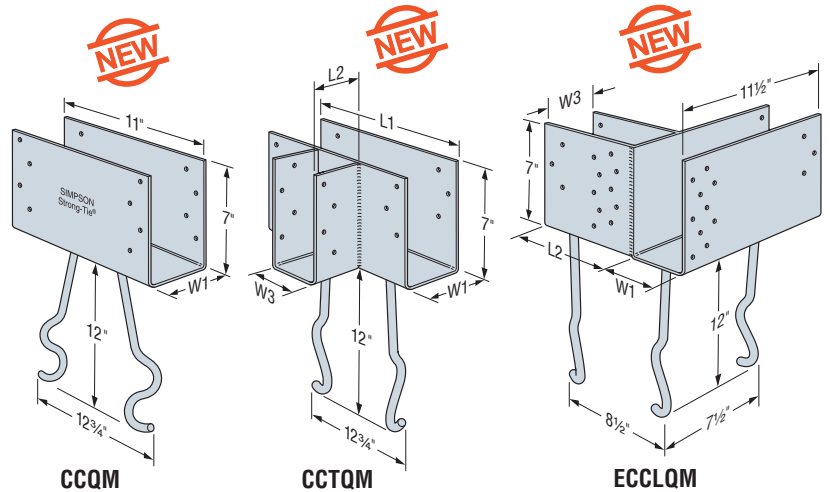


CCQM/CCTQM/ECCLQM Column Caps for CMU and Concrete Piers

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.

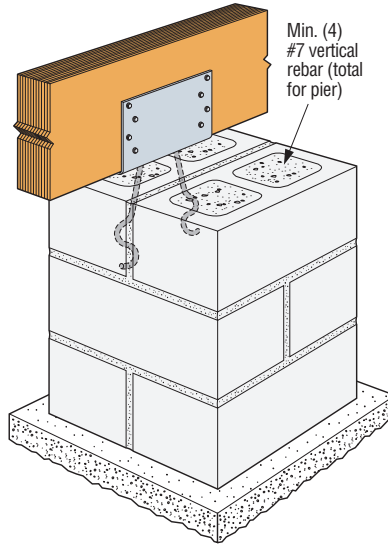
- Framing is fastened with Simpson Strong-Tie® Strong-Drive® SDS wood screws (included) which install with no pre-drilling and feature a corrosion resistant double-barrier coating
- Hot-dip galvanized coating for corrosion resistance
- CCQM—Intended for use along a floor support beam and non-corner locations
- CCTQM—Also for use along a floor support beam and non-corner locations with a side stirrup 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 = 3%"
 • Contact Simpson Strong-Tie for other coating options.
CODES: See page 20 for Code Reference Key Chart.

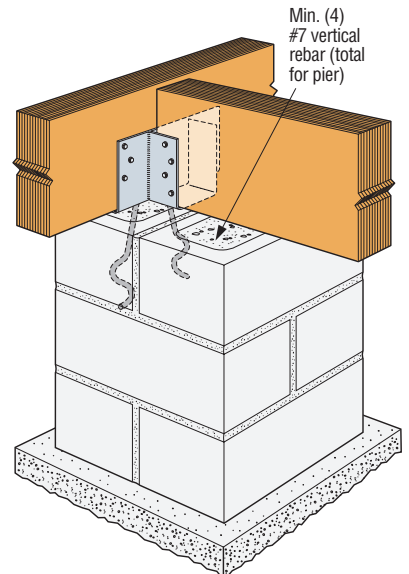


Dimensions

Model No.	Main Channel Width (W1)	Side Stirrup Width (W3)	Main Channel Length (L1)	Side Channel Length (L2)
CCQM3.62-SDSHDG	3%	—	11	—
CCQM4.62-SDSHDG	4%	—	11	—
CCQM5.50-SDSHDG	5½	—	11	—
CCTQM3.62-SDSG	3%	3%	11½	4
CCTQM4.62-SDSG	4%	4%	13½	4
CCTQM5.50-SDSG	5½	5½	13½	4
ECCLQM3.62G-KT ¹	3%	3%	11½	7¾
ECCLQM4.62G-KT ¹	4%	4%	11½	7¾
ECCLQM5.50G-KT ¹	5½	5½	11½	7¾



Typical CCQM Installation



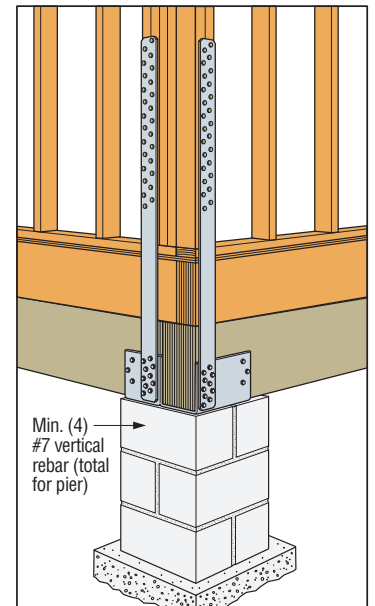
Typical CCTQM Installation

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" Square Grout-Filled CMU Pier ⁶				16" Square CMU Shell Filled with 3000 psi Concrete ⁷				Code Ref.
	Main Beam	Side Beam	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	F24
CCTQM-SDSG	12	8	6750	5375	6750	2460	6855	6720	6855	2770	
ECCLQM-KT ⁸	16	16	6240	6240	7300	2220	6240	6240	8260	2680	

- The allowable loads have been increased for wind or earthquake loading with no further increase allowed.
- Total uplift load and lateral load is based on tested anchor failure in the pier.
- 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.
- Pier height per Designer.
- Side beam and main beam uplift loads assume DF members and are not additive.
- The allowable loads listed for grout-filled CMU apply to solid concrete piers of 2500 psi concrete a minimum of 16" square.
- 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.
- 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 ECCLQM Installation