

ECCLQMD-KT *Column Cap*

The ECCLQM is a corner column cap, designed for use on CMU and concrete piers, that includes MSTQM straps to make the connection to the wall framing above the floor system. The new ECCLQMD-KT is a variation which incorporates an additional seat to support a third member at the corner connection.

FEATURES:

- Ideal for applications where a member is needed off the corner of the structure, such as a deck joist/beam
- SSTB anchor bolts on the bottom of the cap provide the high uplift and lateral restraint needed to resist high-wind forces
- Framing is fastened with Strong-Drive® SDS screws (*included*) for easy installation with no predrilling
- The cap may be specified/ordered with Simpson Strong-Tie® gray paint or a hot-dip galvanized coating for corrosion resistance; SDS screws feature a corrosion-resistant double-barrier coating

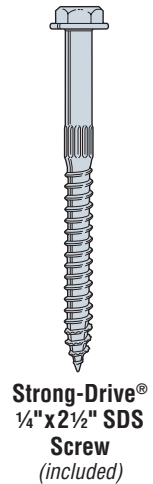
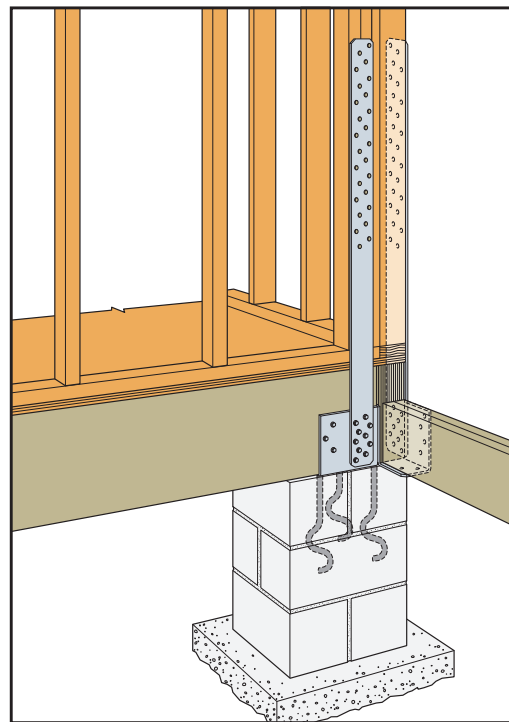
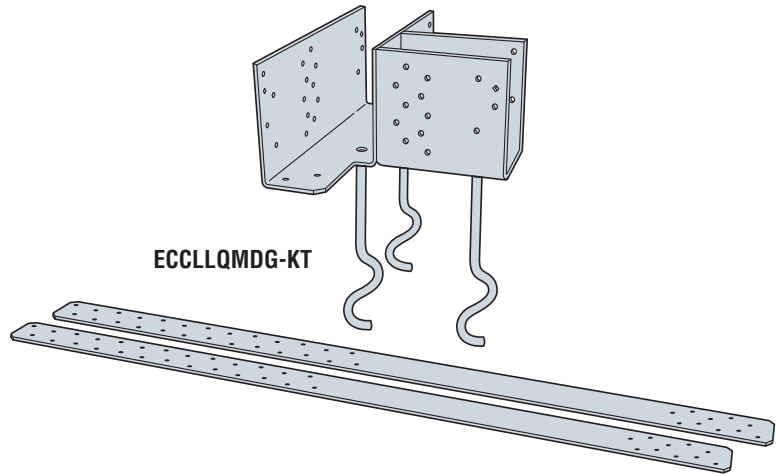
MATERIAL: ECCLQMDG cap—7 gauge; MSTQM strap—12 gauge

FINISH: ECCLQMDG cap—Hot-dip galvanized or Simpson Strong-Tie gray paint; MSTQM strap—galvanized (G90)

INSTALLATION:

- See the General Notes in our 2011 *Wood Construction Connectors* catalog (C-2011).
- Use all Strong-Drive SDS screws provided for installation.

OPTIONS: For Simpson Strong-Tie gray paint instead of a hot-dip galvanized coating, order/specify without the "G" in the model number (*example: ECCLQMD3.62-KT instead of ECCLQMD3.62G-KT*).



Typical ECCLQMD-KT Installation

| Model No. | Main Channel | Side Stirrup |
|-----------------|-------------------------|-------------------------|
| | Width (W ₁) | Width (W ₃) |
| ECCLQMD3.62G-KT | 3 5/8" | 3 5/8" |
| ECCLQMD3.62G-KT | 3 5/8" | 3 5/8" |
| ECCLQMD4.62G-KT | 4 5/8" | 4 5/8" |
| ECCLQMD4.62G-KT | 4 5/8" | 4 5/8" |
| ECCLQMD5.50G-KT | 5 1/2" | 5 1/2" |
| ECCLQMD5.50G-KT | 5 1/2" | 5 1/2" |

| Model No. | Number of 1/4" x 2 1/2" SDS Screws | | | 16" Square ^{3.6} Grout-Filled CMU Pier | | | | 16" Square ^{3.7} CMU Shell w/ 3000 psi Concrete | | | | Deck Joist Connection | |
|-------------|------------------------------------|-----------|-----------|---|-----------|-------|---------|--|-----------|-------|---------|-----------------------|--------|
| | Main Beam | Side Beam | Deck Beam | Uplift | | | Lateral | Uplift | | | Lateral | Download | Uplift |
| | | | | Main Beam | Side Beam | Total | | Main Beam | Side Beam | Total | | | |
| ECCLQMDG-KT | 16 | 16 | 6 | 6240 | 6240 | 7300 | 2220 | 6240 | 6240 | 8260 | 2680 | 5475 | 2010 |

1. Uplift and lateral loads have been increased for wind or earthquake loading, with no further increase allowed.
2. Total Uplift and Lateral Loads are based on tested anchor failure in the pier.
3. The Designer shall design and detail the CMU/concrete pier to resist all forces including uplift, shear and moment. A minimum of (4) #7 vertical rebars are required.
4. Pier height per Designer.
5. Deck joist connection, side beam and main beam uplift loads assume DF members and are not additive.
6. The allowable loads are for 16" square grout-filled CMU piers with f_m of 1500 psi or 16" square solid concrete piers of 2500 psi concrete.
7. The allowable loads listed for 16" square CMU shell, filled with 3000 psi concrete, apply to solid concrete piers of 3000 psi concrete, a minimum of 12" square.
8. The ECCL(L/R)QMD-KT is a kit packaged with two MSTQM straps and thirty eight SDS 1/4"x2 1/2" screws. One strap may be installed on each face of the ECCL(L/R)QMD-KT (*as shown*), using the SDS screws into the beams and 26-16dx2 1/2" nails (*not provided*) into the wall framing. The allowable tension load for the MSTQM straps is 6240 lbs.
9. The MSTQM strap is 0.101" thick 12 gauge, 3" wide and 48" long.