nVent LENTON Mason Lock

CONNECT AND PROTECT

Cost Saving Method for Splicing Rebar in Masonry Walls

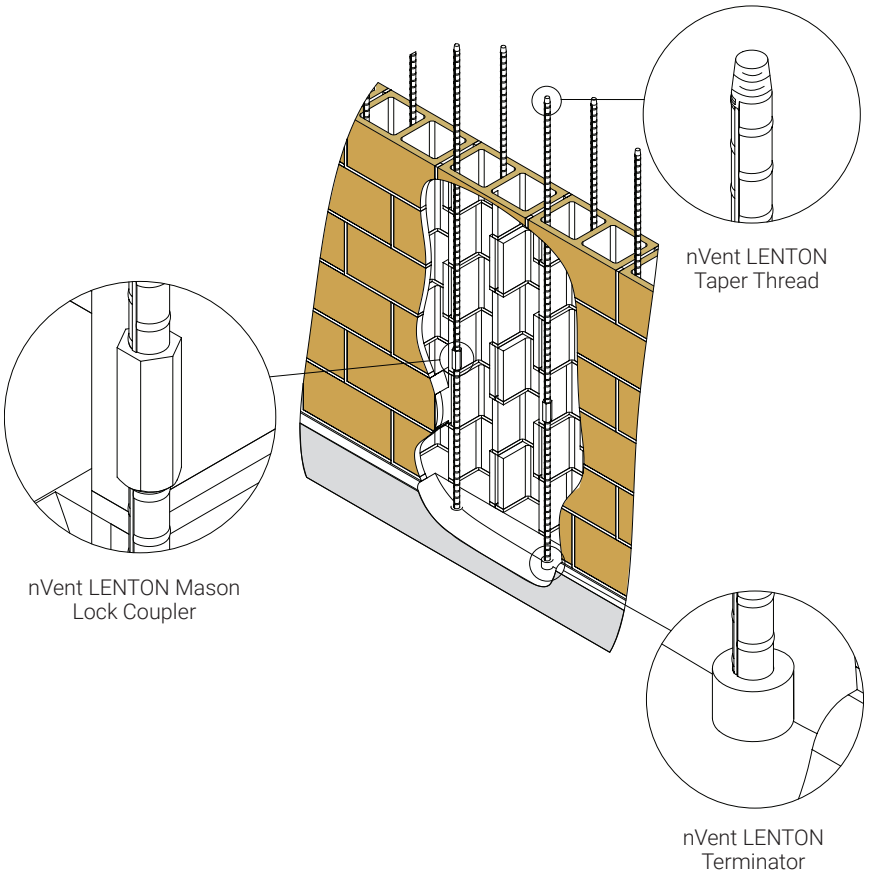
Code changes within the American Concrete Institute's (ACI®) Concrete and Masonry code require longer lap lengths in masonry construction. This code change means more congestion in the masonry cells and more difficulty in construction. To alleviate this problem, builders can either use open-cell blocks, which are quite expensive, or use mechanical rebar couplers to eliminate the lap.

The nVent LENTON taper-threaded splice – one of the most widely used mechanical splicing systems in the world today – quickly and easily connects two pieces of rebar. This cost-effective connector uses the time-tested, field-proven taper thread for assurance of strength, consistency and reliability while simplifying installation.

nVent LENTON splices are designed for use on worldwide standard grades of rebar and meet ACI-318, BS EN 1992-1, DIN EN 1992-1 and ISO 15835 full-tension splice requirements and many other international standards. No "special" high strength, enlarged thread section or increased rebar size is necessary, thus allowing the supply of rebar from multiple sources for maximum cost savings.

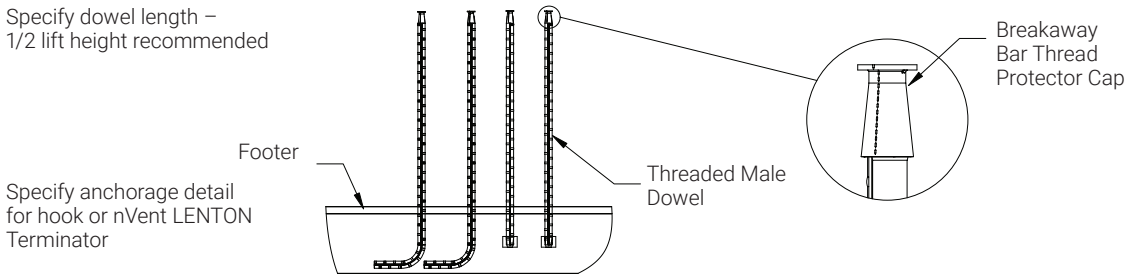
FEATURES

- Eliminates lap splices in CMU walls
- Adds structural integrity
- Fast and cost effective system
- Accelerates construction schedules
- Taper-thread design for easy installation
- Excellent for future extension applications
- Available in sizes #3 – #18 (10 mm – 57 mm)
- Accommodates unexpected design or construction changes
- Conforms to ACI® codes
- Approved by major building codes and agencies around the world
- Exceeds Type 1 and Type 2 splice requirements
- Exceeds ACI, UBC®, IBC®, and CSA® full-tension splice requirements
- Minimizes congestion in CMU wall



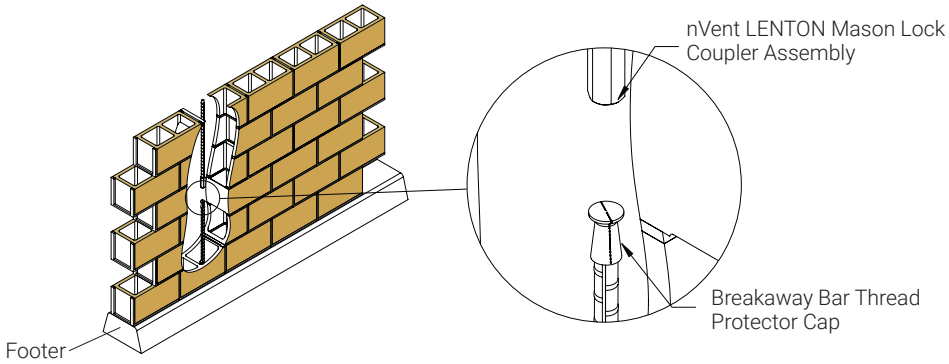
HOW IT WORKS

1. Place threaded male dowel into footer with the nVent LENTON taper-threaded end pointing upwards covered by a breakaway thread protector cap.



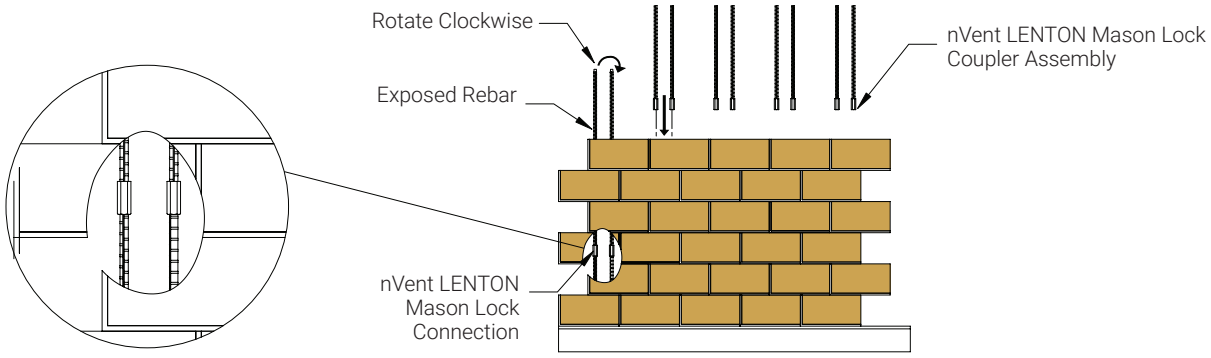
2. Install masonry block wall to heights or lifts that agree with current codes and standard practices. Recommended maximum dowel length is 8 feet.

3. From the top of the masonry wall, reach down using the nVent LENTON Mason Lock assembly and tap the breakaway cap. The cap will break away, allowing the coupler to be threaded onto the rebar.



4. After the cap has broken away, hand tighten the nVent LENTON Mason Lock coupler assembly onto the protruding male dowel.

5. To complete the installation, grip the exposed length of rebar protruding from the top of the block wall with a pipe wrench. Tighten the nVent LENTON Mason Lock assembly in a clockwise rotation until tight. Refer to supplied installation instructions for recommended tightness. (For additional lifts, repeat steps 2-5)



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