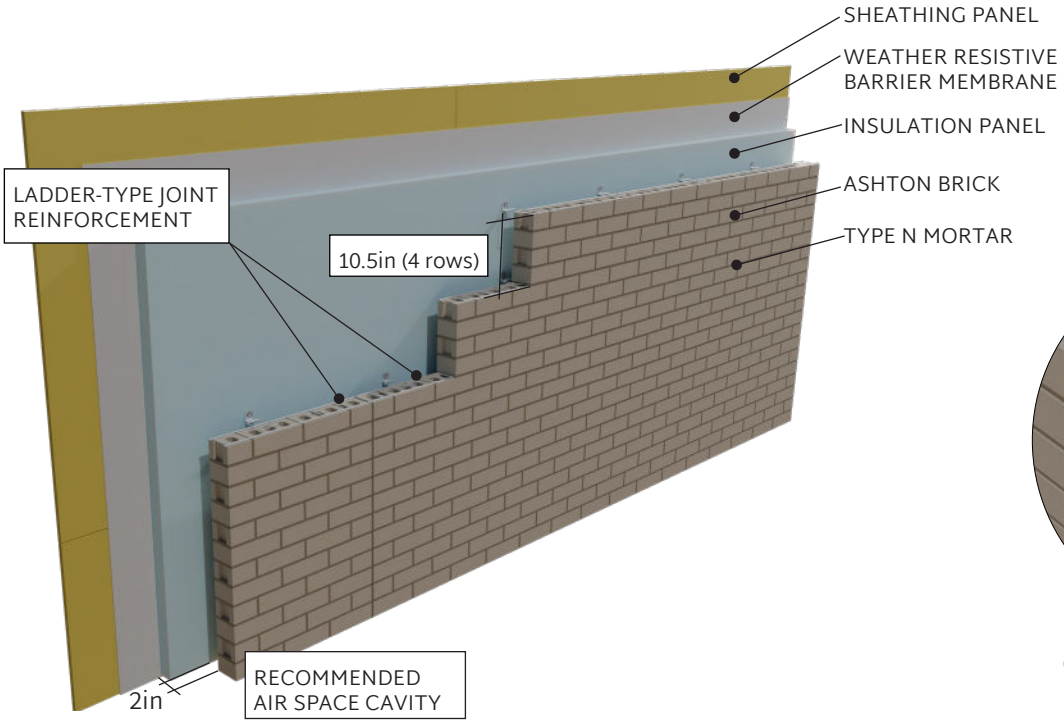
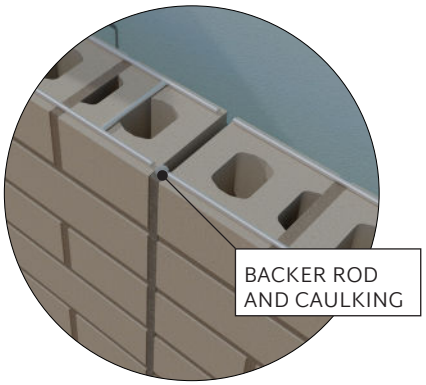
ASHTON BRICK

CONTROL JOINTS & JOINT REINFORCEMENT RECOMMENDATIONS

ECHELON® MASONRY





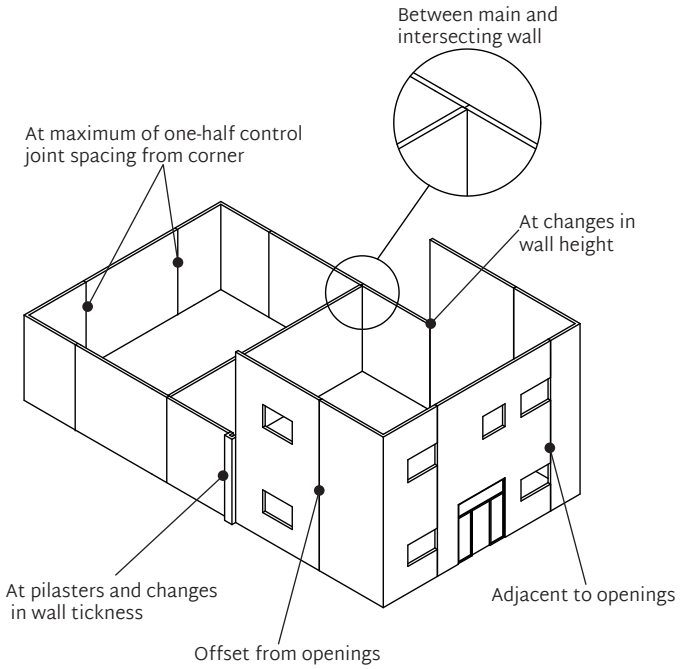
CONTROL JOINT DETAIL

CONTROL JOINT LOCATIONS

- Where there are no openings, the goal is to divide the wall into a series of square panels using vertical control joints.
- The panel length-to-height ratio should be limited to 1.5, with a maximum control joint spacing of 20 ft (horizontally).
- Where there are openings, material changes, or geometric variations:
  - Place control joints at stress concentrations, including changes in wall height or thickness, as well as wall corners and intersections.
- Place control joints near openings:
  - Openings ≤ 6 ft (1.8 m): control joint on one side
  - Openings > 6 ft (1.8 m): control joints on both sides
- Around corners: provide control joints approximately 10 ft on each side
- Where the backing includes a movement joint, it is good practice to align the veneer control joint with the backing movement joint.

HORIZONTAL JOINTS REINFORCEMENT

- The goal is to limit crack width and distribute shrinkage stresses between control joints.
- The minimum amount of horizontal reinforcement should be 0.034 in^2/ft.
- Typical compliant installation:
  - Two 9-gauge (MW11) wires
  - 10.5 in (267 mm) vertical spacing
  - Installed continuously between control joints
- Discontinue joint reinforcement at control joints.



- Notes:
  For complete requirements and additional details, you can refer to CMU-TEK-009-25 from the Concrete Masonry and Hardscapes Association (CMHA).
  All work must comply with applicable local building codes and AHJ requirements. Where conflicts occur, local codes and project specifications shall govern.