NOTE:
THERE IS USUALLY NO NEED FOR BRICK EXPANSION JOINTS TO ALIGN DIRECTLY WITH CONTROL JOINT LOCATIONS IN THE CMU BACKUP.

JOTNS TO BE STRUCK FLUSH ON EXTERIOR FACE OF CMU BACK-UP

CONTINUOUS BOND BEAM
CONTROL JOINT

JOTNS TO BE STRUCK FLUSH ON EXTERIOR FACE OF CMU BACK-UP

PREFORMED CONTROL JOINT GASKET
RAKE JOINT, BACKER ROD & SEALANT (ON INTERIOR FACE)
DISCONTINUE HORIZONTAL JOINT REINFORCEMENT @ CONTROL JOINT

MASONRY CONTROL JOINT © CONTINUOUS BOND BEAM DETAIL (PER STRUCTURAL REQUIREMENTS)

BRICK EXPANSION JOINT (EJ)

CMU BACK-UP CONTROL JOINT — MICHIGAN DETAIL

CMU BACK-UP CONTROL JOINT — ALTERNATE DETAIL
WHEN A JOINT IS TO BE USED AT A SMALL OPENING, LOCATE AT ONE SIDE OF OPENING.

LOCATE JOINTS AT BOTH EDGES OF LARGE OPENINGS FOR A ONE PIECE STEEL LINTEL.

NOTE:
SEE BIA TEK NOTE 18A AND "BRICK EXPANSION JOINTS AND WALL OPENINGS" (BY J. GREGG BORCHELT, PE) (PUBLISHED IN "THE STORY POLE" JULY/AUG. 2007 VOL 39 NO. 4) FOR ADDITIONAL GUIDANCE ON LOCATING EXPANSION JOINTS.

Joints may be located away from edge of multiple wall openings if the joints on both sides are symmetrically placed.

BRICK EXPANSION JOINTS—PLACEMENT LOCATION

ELEVATION VIEW

MAX EXPANSION JOINT SPACING
(TYPICALLY 20'-0")

STAINLESS STEEL HORIZONTAL JOINT REINFORCEMENT (PER STRUCTURAL DESIGN)

PROVIDE SEALANT JOINTS AT THE TOE OF THE FLASHING SUPPORT ANGLE. ALSO INCLUDE BACKER ROD AT THE ENDS OF THE FLASHING SUPPORT ANGLE (SEE BIA TEK NOTE 18A, FIGURE 6 FOR ADDITIONAL INFORMATION)

NOTE:
TYPICALLY EXPANSION JOINTS HAVE BEEN LOCATED AT OR VERY CLOSE TO THE SIDES OF OPENINGS. HOWEVER IT IS PREFERRED FOR EXPANSION JOINTS TO BE LOCATED AWAY FROM THE EDGES OF THE OPENINGS AND TO ADD REINFORCEMENT ABOVE THE OPENINGS TO FUNCTION AS THE STRUCTURAL LINTEL. DETAIL 98 ILLUSTRATES THE APPLICATION OF THIS APPROACH.

BRICK EXPANSION JOINTS—PLACEMENT LOCATIONS WITH "REINFORCED BRICK LINTEL OPENINGS" (PREFERRED)

ELEVATION VIEW

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