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

CONTINUOUS HORIZONTAL STEEL REINFORCEMENT

BOND BEAM UNITS (OMIT C.J. AT BOND BEAM)

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

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

8C A-1

CMU BACK-UP CONTROL JOINT — ALTERNATE DETAIL

8B A-1

CMU BACK-UP CONTROL JOINT — MICHIGAN DETAIL

8A A-1

#15 FELT BOND BREAKER

GROUT OR MORTAR

RAKE JOINT, BACKER ROD & SEALANT (ON INTERIOR FACE)

DISCONTINUE HORIZONTAL JOINT REINFORCEMENT © CONTROL JOINT

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

CONTROL JOINT

PREFORMED CONTROL JOINT GASKET

RAKE JOINT, BACKER ROD & SEALANT (ON INTERIOR FACE)

CMU BACK-UP

CONTROL JOINT

CONTINUOUS HORIZONTAL STEEL REINFORCEMENT

BOND BEAM UNITS (OMIT C.J. AT BOND BEAM)

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

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

8C A-1

CMU BACK-UP CONTROL JOINT — MICHIGAN DETAIL

8A A-1

#15 FELT BOND BREAKER

GROUT OR MORTAR

RAKE JOINT, BACKER ROD & SEALANT (ON INTERIOR FACE)

DISCONTINUE HORIZONTAL JOINT REINFORCEMENT © CONTROL JOINT

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

CONTROL JOINT

PREFORMED CONTROL JOINT GASKET

RAKE JOINT, BACKER ROD & SEALANT (ON INTERIOR FACE)

CMU BACK-UP

CONTROL JOINT

CONTINUOUS HORIZONTAL STEEL REINFORCEMENT

BOND BEAM UNITS (OMIT C.J. AT BOND BEAM)

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

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

8C A-1
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

HORIZONTAL SLIP PLANE FOR LOOSE LINTEL (SEE IBA TEK 18A FIGURE 6)

ELEVATION VIEW

JUXTS MAY BE LOCATED AWAY FROM EDGE OF MULTIPLE WALL OPENINGS IF THE JOINTS ON BOTH SIDES ARE SYMMETRICALLY PLACED

NOTE: SEE IBA TEK NOTE 18A AND "BRICK EXPANSION JOINTS AND WALL OPENINGS" (BY J. GREGG BORCHELT, PE) (PUBLISHED IN "THE STORY POLE" JULY/AUG. 2007 VOL 38 NO. 4) FOR ADDITIONAL GUIDANCE ON LOCATING EXPANSION JOINTS.

BRICK EXPANSION JOINTS—PLACEMENT LOCATION

MIX EXPANSION JOINT SPACING (TYPICALLY 24'-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 IBA TEK NOTE 18A, FIGURE 6 FOR ADDITIONAL INFORMATION)

ELEVATION VIEW

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)

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