NOTE: 8" BEARING IS SHOWN AND IS TYPICAL, BUT SHOULD BE INCREASED IF NECESSARY BASED ON STRUCTURAL BEARING CALCULATIONS

STEEL REINFORCEMENT IN SOLID BROUGHT CELLS

CONTROL JOINT (BACKER ROD AND SEALANT)

GROUT SOLID (IN ONE LIFT) TOTAL NUMBER OF COURSES REQUIRED PER STRUCTURAL DESIGN (3 COURSES DEPICTED IN THIS DETAIL)

Lintel Steel Reinforcement

Masonry Lintel (May be pre-cast or field assembled)

Slip Plane (Backer Rod & Sealant)

Grout Solid Under Lintel Bearing as Required

Opening

Elevation View

NOTE: EVEN FOR FIELD ASSEMBLED MASONRY LINTELS, DO NOT OVERLAP/INTERLOCK THE LINTEL REINFORCING WITH THE WALL REINFORCING.

Preformed Control Joint Gasket (see Sheet A-9)

Opening Face

Preformed Control Joint Gasket (see Sheet A-9)

Backer Rod and Sealant on Bed Joint on all Three Exposed Faces

#15 Felt (Bond Breaker)

Jamb Opening Face

Isometric View

Slip Plane/Control Joint @ Long Span Masonry Lintels

A-10 (Spans of approximately 12' up to 20')

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PLAN OF LINTEL/BEARING PLATE

1) Do not weld steel beam plate lintel to bearing plate (typical both sides).
2) Steel beam to have slots on bottom flanges to allow for in-plane movement.

NOTE: 8" bearing is shown and is typical, but should be increased if necessary based on structural bearing calculations.

ELEVATION VIEW

SLIP PLANE/CONTROL JOINT
@ LONG SPAN STEEL LINTELS
REINFORCED MASONRY OPENINGS & ASSOCIATED CONTROL JOINT DESIGN
(SPANS UP TO APPROXIMATELY 12"

NOTES:

1) TRADITIONALLY, CONTROL JOINTS HAVE TYPICALLY BEEN LOCATED AT OR VERY CLOSE TO THE SIDES OF OPENINGS. HOWEVER, IT IS THE MIMA'S PREFERENCE FOR CONTROL JOINTS TO BE LOCATED AWAY FROM THE EDGE OF OPENINGS AND TO ADD REINFORCEMENT AROUND THE OPENINGS.

2) FOR BEST PERFORMANCE, THE VERTICAL REINFORCEMENT SHOULD BE PREFERABLY PLACED IN THE CELL IMMEDIATELY ADJACENT TO THE OPENING. HOWEVER, IF THIS CELL IS CONGESTED, THE VERTICAL REINFORCEMENT MAY BE PLACED IN THE 2ND CELL FROM THE OPENING.

3) ON LONG SPAN OPENINGS IT IS RECOMMENDED TO GROUT BOTH THE 1ST AND 2ND CELLS FROM THE OPENING TO PROVIDE ADDITIONAL RESISTANCE FOR ATTACHING THE DOOR OR WINDOW FRAME.

4) FOR CONTROL JOINT DETAILS SEE SHEET A-9.