NOTES:
1) CONTINUE PAN FLASHING SYSTEM A MINIMUM OF ONE CELL BEYOND BOTH JAMB EDGES OF THE OPENING.
2) UNPROTECTED ALUMINUM DOOR AND WINDOW FRAMES CAN INTERACT WITH CEMENT-BASED MATERIALS AND INCUR DAMAGE. SEE PCA "MASONRY TODAY" VOLUME II, NO. 1 FOR RECOMMENDATIONS. (www.cement.org/masonry/cc_al_frames.asp)

3A MASONRY LINTEL (PREFERRED)

8" CMU
LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT SPACED @ 16" O.C.
PAN FLASHING SYSTEM
BOND BEAM UNIT (W/ REINF. PER STRUCTURAL DESIGN) GROUTED SOLID
NOTE: MASONRY UNITL MAY BE PRECAST OR FIELD ASSEMBLED

3B DOUBLE ANGLE STEEL LINTEL

8" CMU
LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT SPACED @ 16" O.C.
PAN FLASHING SYSTEM
GALVANIZED DOUBLE ANGLE STEEL LINTEL
GROUT CORES AND HEAD JOINTS SOLID

3C PRECAST CONCRETE LINTEL

8" CMU
LADDER-TYPE HORIZONTAL JOINT REINFORCEMENT SPACED @ 16" O.C.
PAN FLASHING SYSTEM
PRERCAST CONCRETE LINTEL

NOTE: FOR AESTHETIC REASONS, THIS DETAIL IS USUALLY USED ONLY ON WALLS CONSTRUCTED OF STANDARD UNITS, NOT THOSE WITH DECORATIVE CMU UNITS.

SHORT SPAN LINTELS

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

STEEL REINFORCEMENT IN SOLID GROUTED CELLS

CONTROL JOINT (BACKER ROD AND SEALANT)

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)

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

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

#15 Felt (Bond Breaker)

Jamb Opening Face

ELEVATION VIEW

ISOMETRIC VIEW

SLIP PLANE/CONTROL JOINT @ LONG SPAN MASONRY LINTELS

9 (SPANS OF APPROXIMATELY 12' UP TO 20')

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NOTES:

1) TRADITIONALLY, CONTROL JOINTS HAVE TYPICALLY BEEN LOCATED AT OR VERY CLOSE TO THE SIDES OF OPENINGS. HOWEVER, IT IS THE MIM’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 PREPARE 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 STRENGTH FOR ATTACHING THE DOOR OR WINDOW FRAME.

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