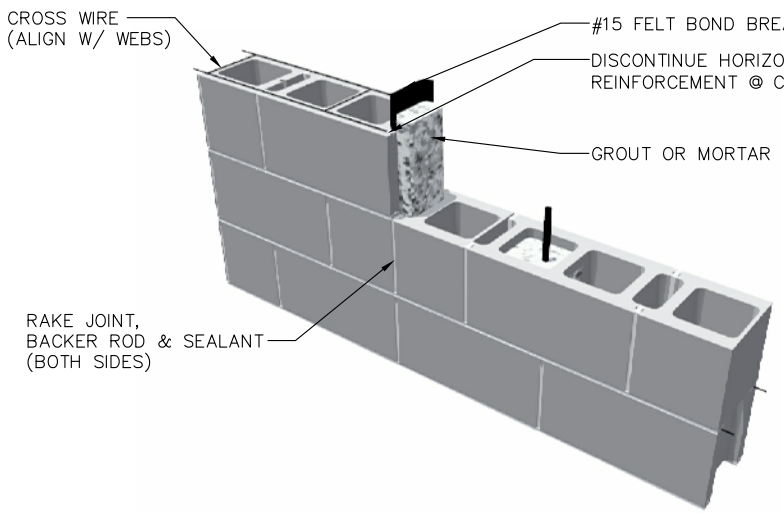
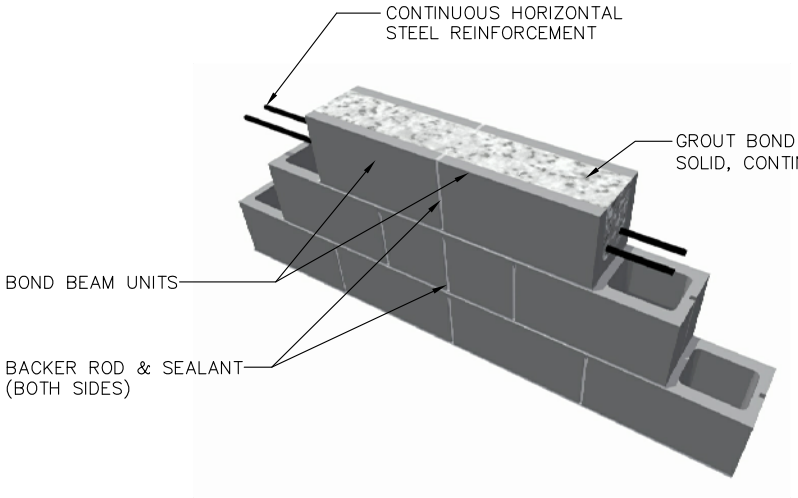
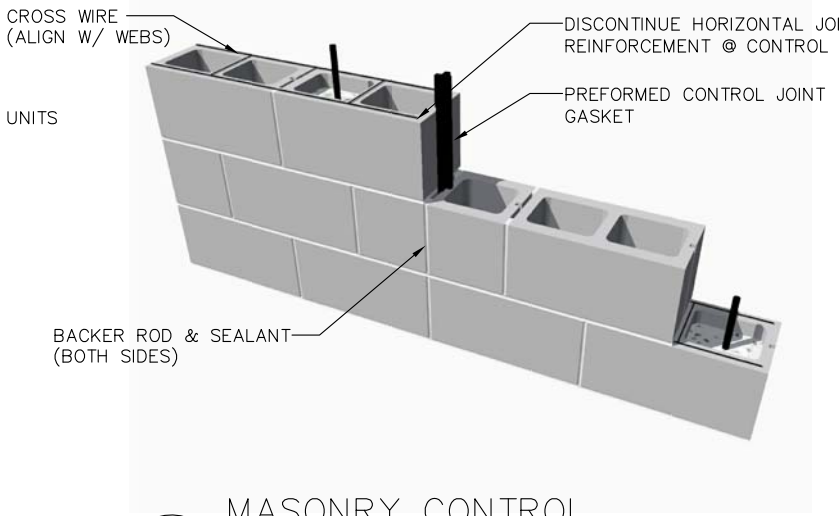


8A / A-9 MASONRY CONTROL JOINT – MICHIGAN DETAIL



8C / A-9 MASONRY CONTROL JOINT @ CONTINUOUS BOND BEAM DETAIL (PER STRUCTURAL REQUIREMENTS)



8B / A-9 MASONRY CONTROL JOINT – ALTERNATE DETAIL

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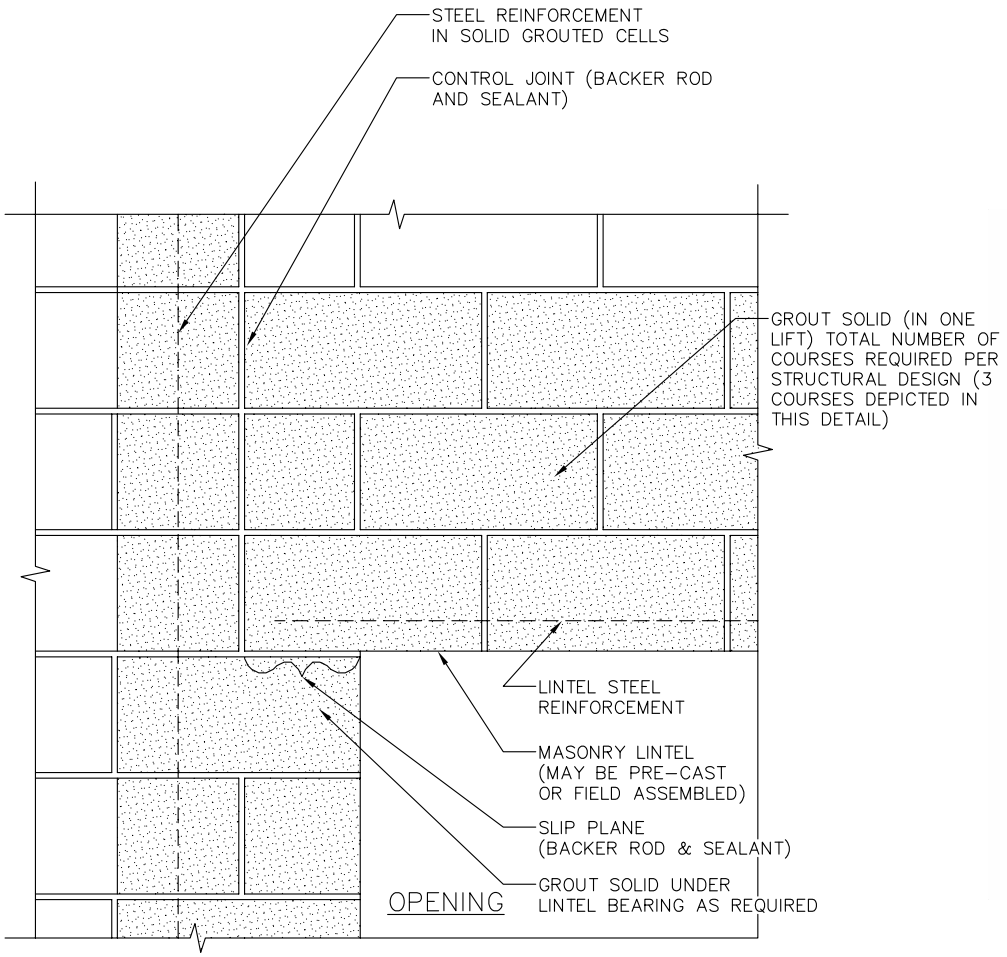
the 111 Masonry Institute of Michigan, Inc.

GENERIC WALL DESIGN – 8" SINGLE WYTHE CMU

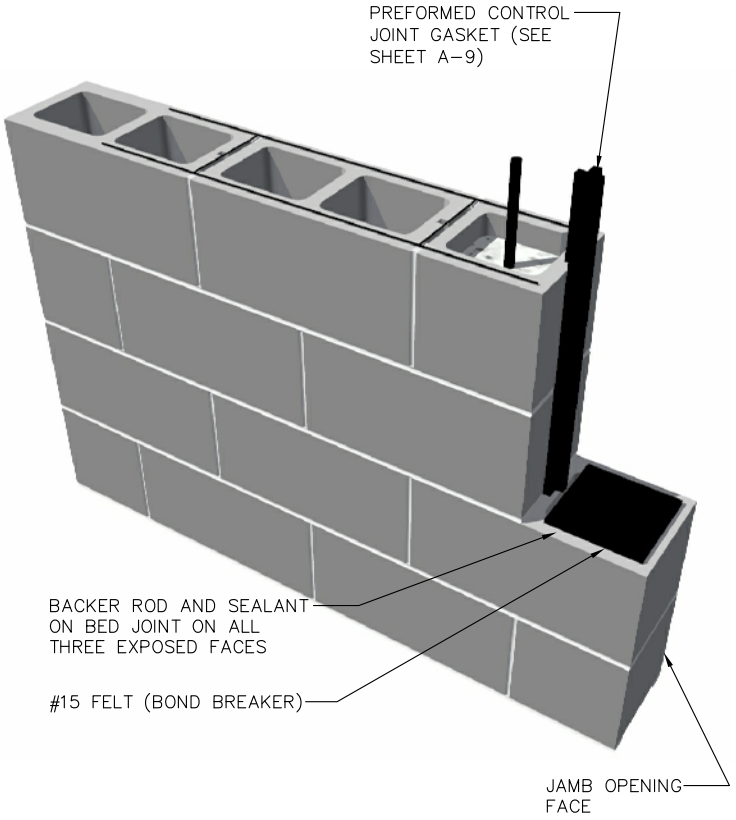
IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	CONTROL JOINT DETAILS
SHEET:	A-9

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



ELEVATION VIEW

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



ISOMETRIC VIEW

9 / A-10

SLIP PLANE/CONTROL JOINT @ LONG SPAN MASONRY LINTELS

(SPANS OF APPROXIMATELY 12' UP TO 20')

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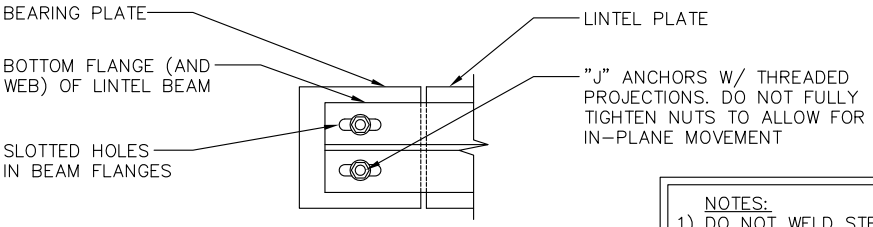
GENERIC WALL DESIGN - 8" SINGLE WYTHE CMU

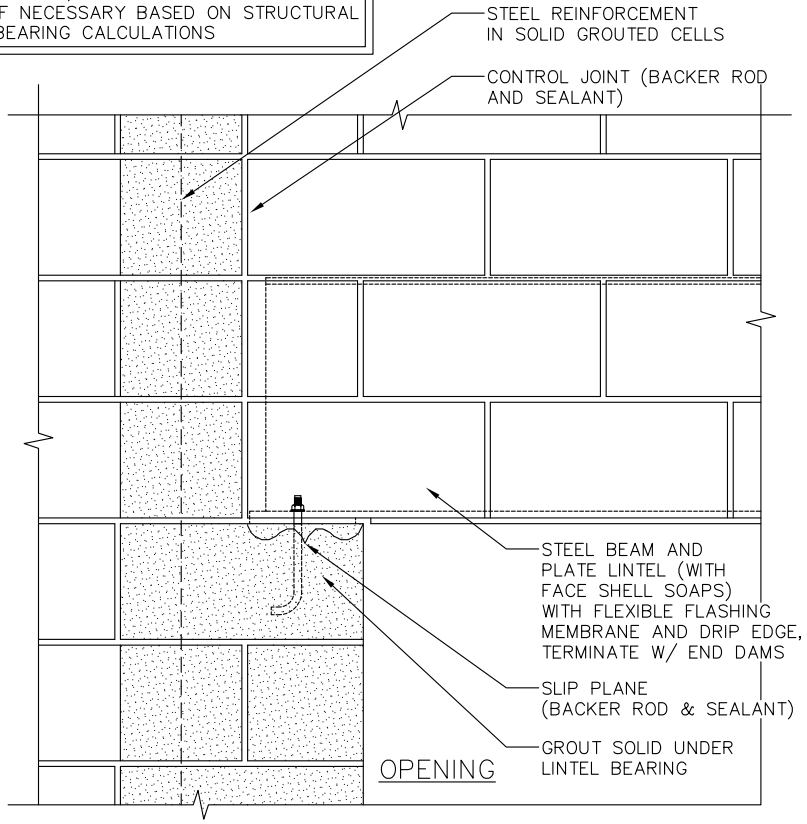
IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	SLIP PLANE/ CONTROL JOINT @ MASONRY LINTELS
SHEET:	A-10



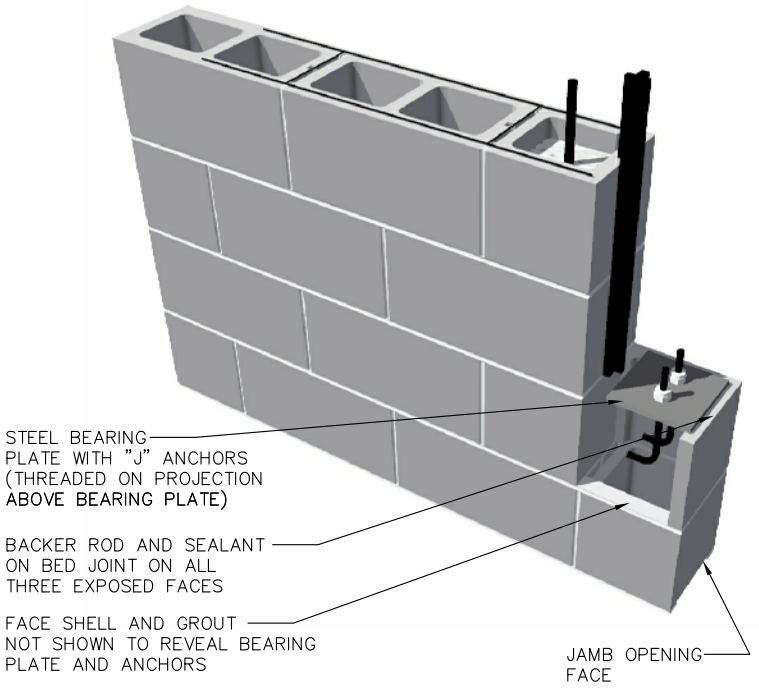
PLAN OF LINTEL/BEARING PLATE

NOTES:
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



ISOMETRIC VIEW

10 / A-11

SLIP PLANE/CONTROL JOINT @ LONG SPAN STEEL LINTELS

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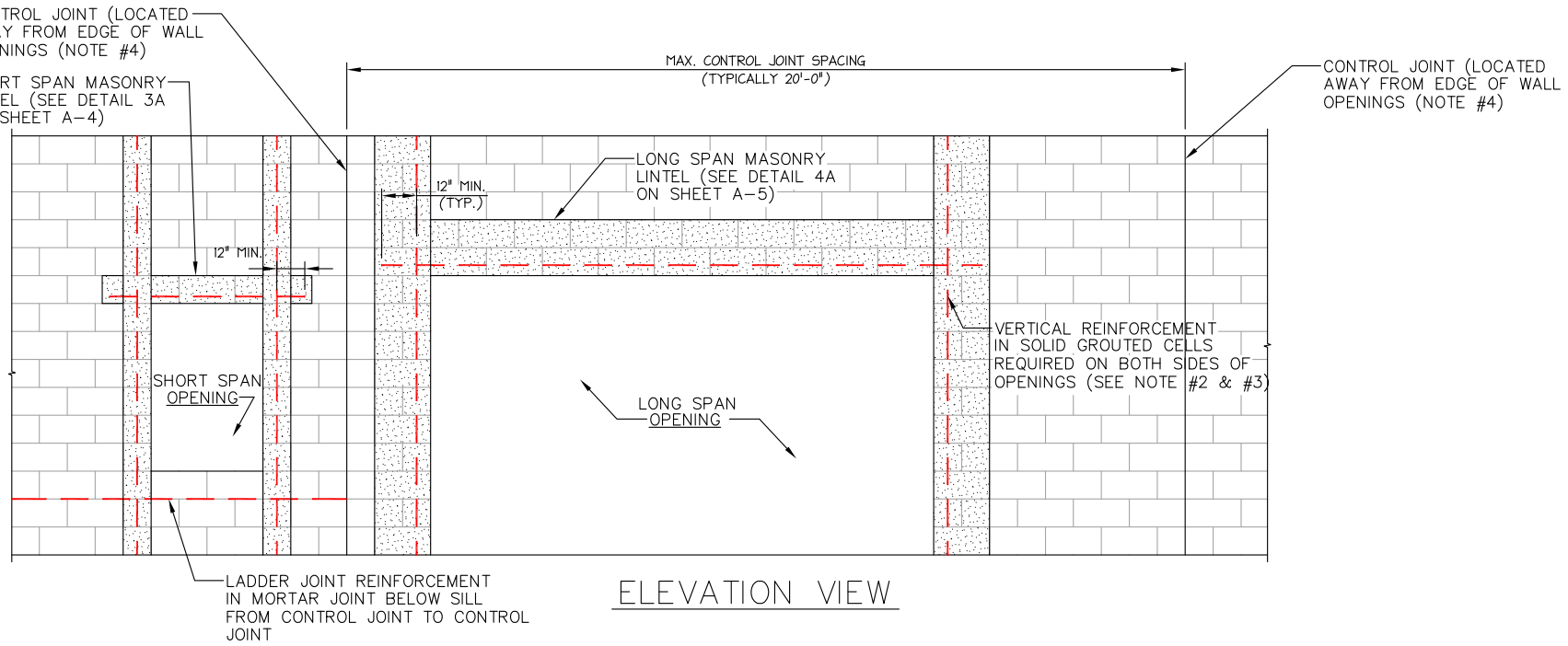
GENERIC WALL DESIGN - 8" SINGLE WYTHE CMU

IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	SLIP PLANE/ CONTROL JOINT @ STEEL LINTELS
SHEET:	A-11



ELEVATION VIEW

REINFORCED MASONRY OPENINGS & ASSOCIATED CONTROL JOINT DESIGN

11 / A-12

(SPANS UP TO APPROXIMATELY 12')

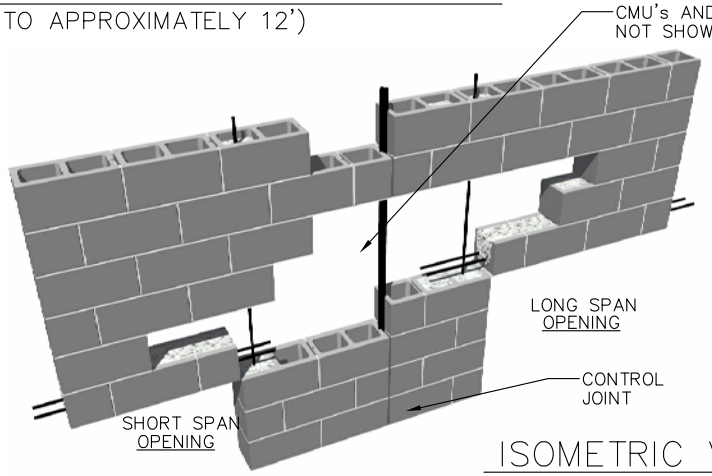
NOTES:

1) TRADITIONALLY, CONTROL JOINTS HAVE TYPICALLY BEEN LOCATED AT OR VERY CLOSE TO THE SIDES OF OPENINGS. HOWEVER IT IS THE 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 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.



ISOMETRIC VIEW

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the 111 Masonry Institute of Michigan, Inc.

GENERIC WALL DESIGN - 8" SINGLE WYTHE CMU

IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	REINFORCED MASONRY OPENING & ASSOCIATED CONTROL JOINT DESIGN
SHEET:	A-12