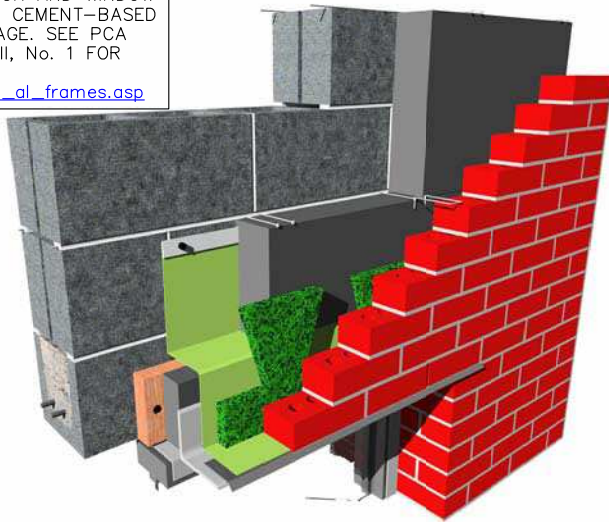


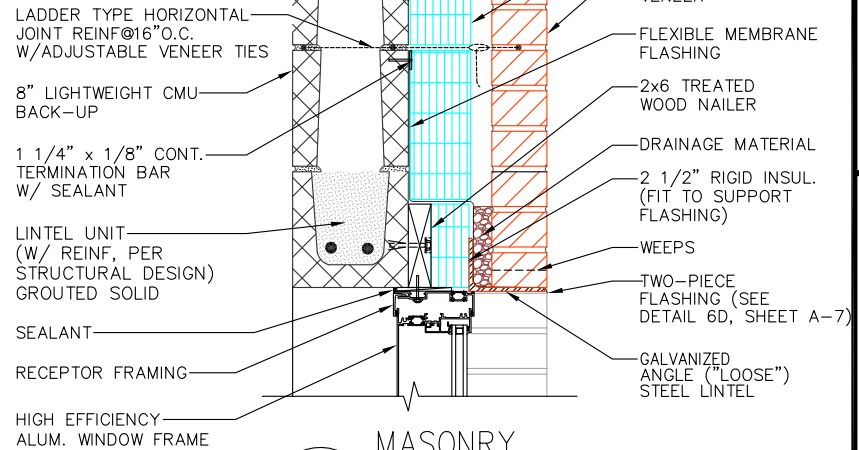
**NOTE:**

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](http://www.cement.org/masonry/cc_al_frames.asp)

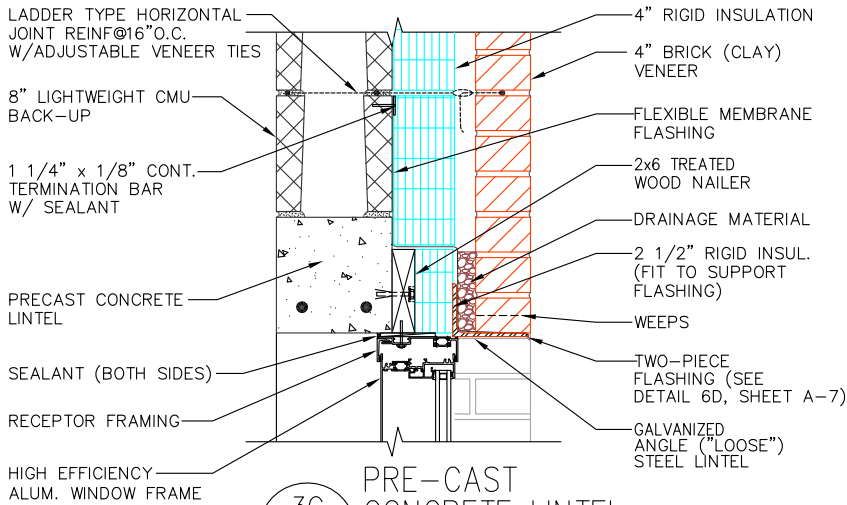


ISOMETRIC VIEW

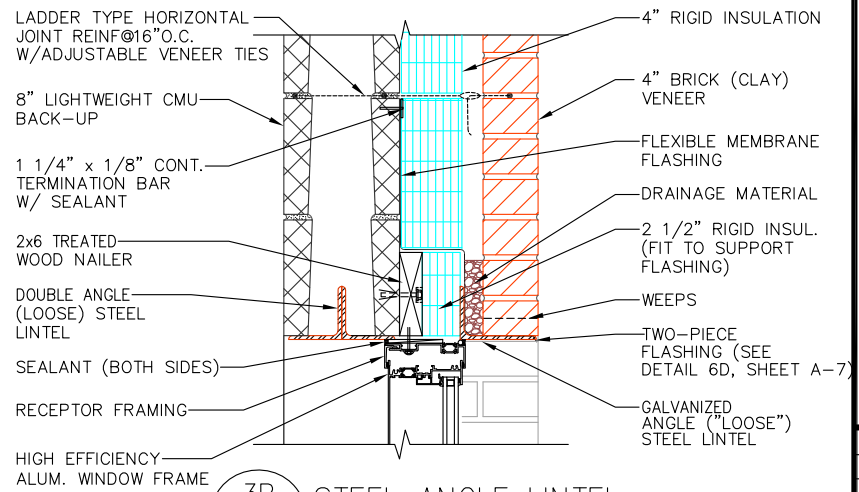
**NOTE: MASONRY LINTEL MAY BE PRECAST OR FIELD ASSEMBLED**



3A MASONRY LINTEL (PREFERRED)  
A-1



3C PRE-CAST CONCRETE LINTEL  
A-1



3B STEEL ANGLE LINTEL  
A-1

SHORT SPAN LINTELS—WINDOW OPENINGS — USING RECEPTORS

(3 OPTIONS FOR THE CMU BACK-UP)

**DAILEY ENGINEERING, INC.**  
 8486 STEPHENSON ROAD  
 ONSTED, MI 48866  
 PH. # (517) 467-9000  
 FAX # (517) 467-9010



the Masonry Institute of Michigan, Inc.



GENERIC WALL DESIGN — HIGH R MULTI WYTHE (8" CMU W/ BRICK VENEER)

IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	SHORT SPAN LINTEL DETAILS—WINDOWS
SHEET:	A-4

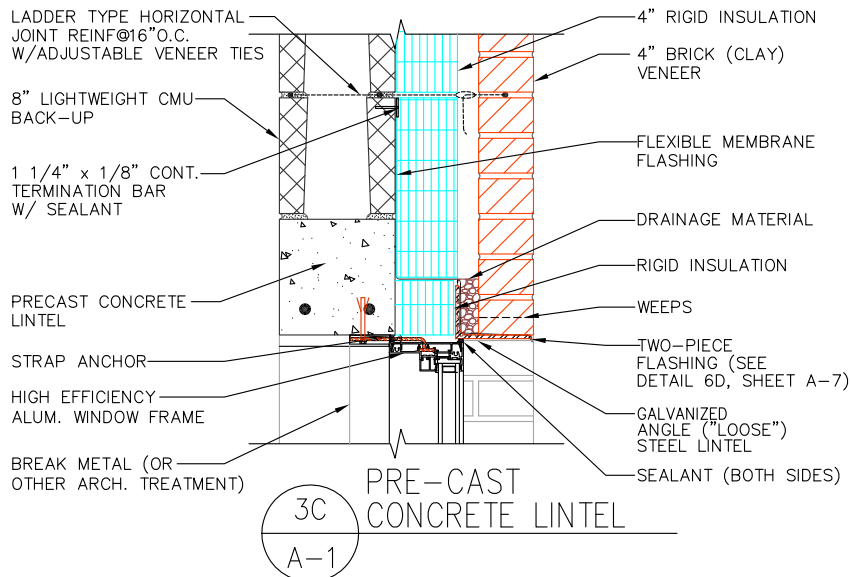
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**NOTE:**

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[www.cement.org/masonry/cc\\_al\\_frames.asp](http://www.cement.org/masonry/cc_al_frames.asp)

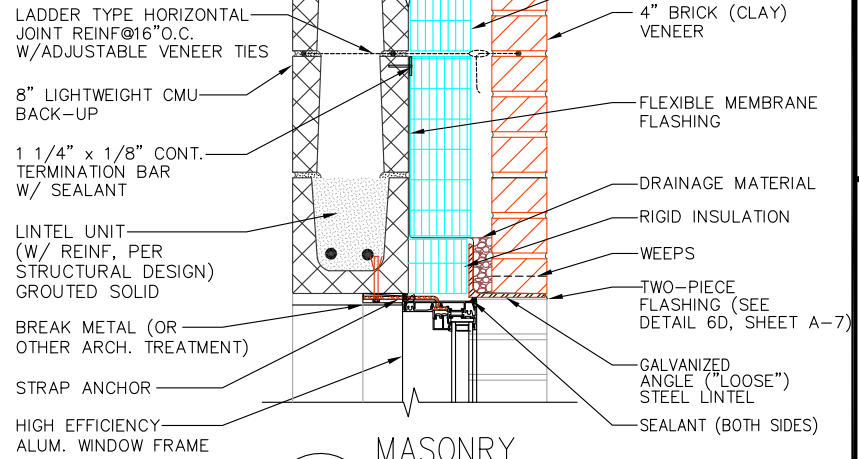


ISOMETRIC VIEW

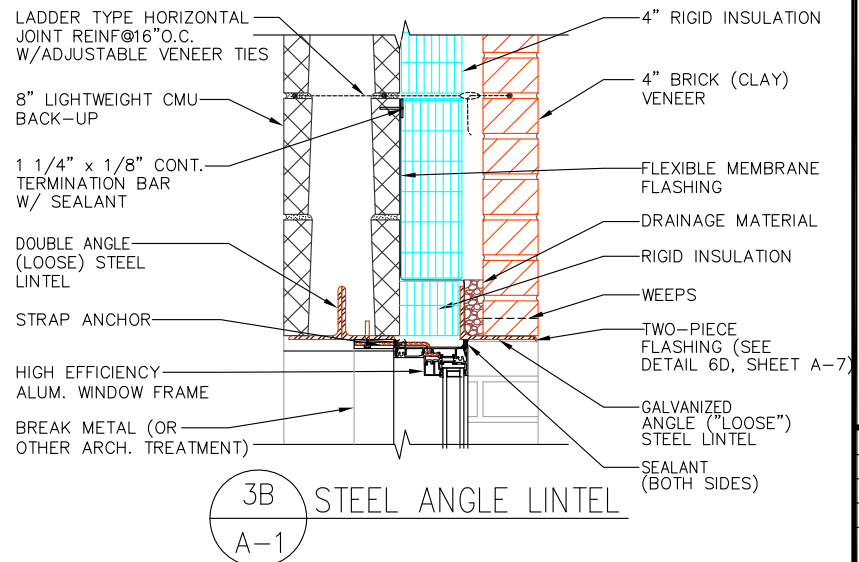


PRE-CAST CONCRETE LINTEL

**NOTE: MASONRY LINTEL MAY BE PRECAST OR FIELD ASSEMBLED**



MASONRY LINTEL (PREFERRED)



STEEL ANGLE LINTEL

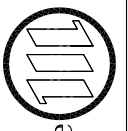
SHORT SPAN LINTELS—WINDOW OPENINGS — USING STRAP ANCHORS

(3 OPTIONS FOR THE CMU BACK-UP)

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 8486 STEPHENSON ROAD  
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GENERIC WALL DESIGN — HIGH R MULTI WYTHE (8" CMU W/ BRICK VENEER)

IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	ALTERNATE SHORT SPAN LINTEL DETAILS—WINDOWS
SHEET:	A-4.1

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**NOTE:**

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[www.cement.org/masonry/cc\\_al\\_frames.asp](http://www.cement.org/masonry/cc_al_frames.asp)



ISOMETRIC VIEW

**NOTE: MASONRY LINTEL MAY BE PRECAST OR FIELD ASSEMBLED**

- LADDER TYPE HORIZONTAL JOINT REINF. @ 16" O.C. W/ADJUSTABLE VENEER TIES
- 1 1/4" x 1/8" CONT. TERMINATION BAR W/ SEALANT
- 8" LIGHTWEIGHT CMU BACK-UP
- LINTEL UNIT (W/ REINF. PER STRUCTURAL DESIGN) GROUTED SOLID
- DOOR FRAME

- 4" BRICK (CLAY) VENEER
- 4" RIGID INSULATION
- FLEXIBLE MEMBRANE FLASHING
- DRAINAGE MATERIAL
- WEEPS
- TWO-PIECE FLASHING (SEE DETAIL 6D, SHEET A-7)
- GALVANIZED DOUBLE ANGLE ("LOOSE") STEEL LINTEL
- SEALANT (BOTH SIDES)

4A MASONRY LINTEL (PREFERRED)  
A-1

- LADDER TYPE HORIZONTAL JOINT REINF. @ 16" O.C. W/ADJUSTABLE VENEER TIES
- 8" LIGHTWEIGHT CMU BACK-UP
- 1 1/4" x 1/8" CONT. TERMINATION BAR W/ SEALANT
- PRECAST CONCRETE LINTEL
- SEALANT (BOTH SIDES)
- DOOR FRAME
- 4" BRICK (CLAY) VENEER
- 4" RIGID INSULATION
- FLEXIBLE MEMBRANE FLASHING
- DRAINAGE MATERIAL
- WEEPS
- TWO-PIECE FLASHING (SEE DETAIL 6D, SHEET A-7)
- GALVANIZED DOUBLE ANGLE ("LOOSE") STEEL LINTEL

4C PRE-CAST CONCRETE LINTEL  
A-1


- 1 1/4" x 1/8" CONT. TERMINATION BAR W/ SEALANT
- LADDER TYPE HORIZONTAL JOINT REINF. @ 16" O.C. W/ADJUSTABLE VENEER TIES
- 8" LIGHTWEIGHT CMU BACK-UP
- DOUBLE ANGLE (LOOSE) STEEL LINTEL
- DOOR FRAME
- 4" BRICK (CLAY) VENEER
- 4" RIGID INSULATION
- FLEXIBLE MEMBRANE FLASHING
- DRAINAGE MATERIAL
- WEEPS
- TWO-PIECE FLASHING (SEE DETAIL 6D, SHEET A-7)
- GALVANIZED DOUBLE ANGLE ("LOOSE") STEEL LINTEL
- SEALANT (BOTH SIDES)


4B STEEL ANGLE LINTEL  
A-1

SHORT SPAN LINTELS-DOOR OPENINGS

(3 OPTIONS FOR THE CMU BACK-UP)

**DAILEY ENGINEERING, INC.**  
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FAX # (517) 467-9010



**Masonry Institute of Michigan, Inc.**  
  
 GENERIC WALL DESIGN - HIGH R MULTI WYTHE (8" CMU W/ BRICK VENEER)

IN CHARGE:	
DRAWN:	M.W.F.
APPROVED:	
DATE:	05/03/2011
TITLE:	SHORT SPAN LINTEL DETAILS-DOORS
SHEET:	A-5

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