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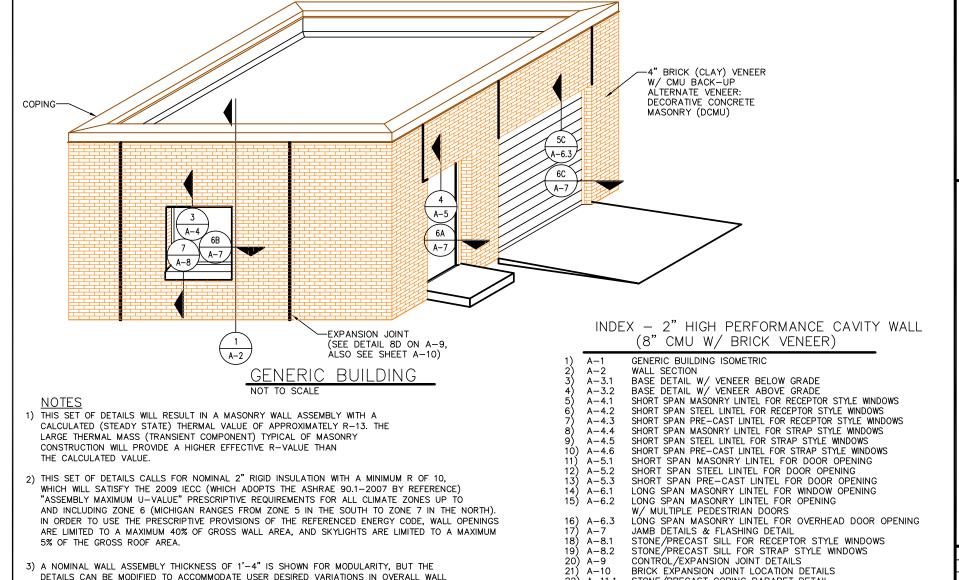
SET

TITLE:

GENERIC BUILDING ISOMETRIC

SHEET:

A-1



THICKNESS AS WELL AS VARIATIONS IN INSULATION AND AIR SPACE THICKNESS (A 1" MINIMUM AIR

LAYERS: MOISTURE, THERMAL, AND AIR. (SEE SHEET A-12 FOR ADDITIONAL INFORMATION).

SPACE IS MANDATED BY CODE).

4) THIS SET OF DETAILS WILL RESULT IN A WALL WITH THREE CONTROL

A - 11.1

A-11.2

A - 14.1

A - 14.2

A-12

25) A - 13

26)

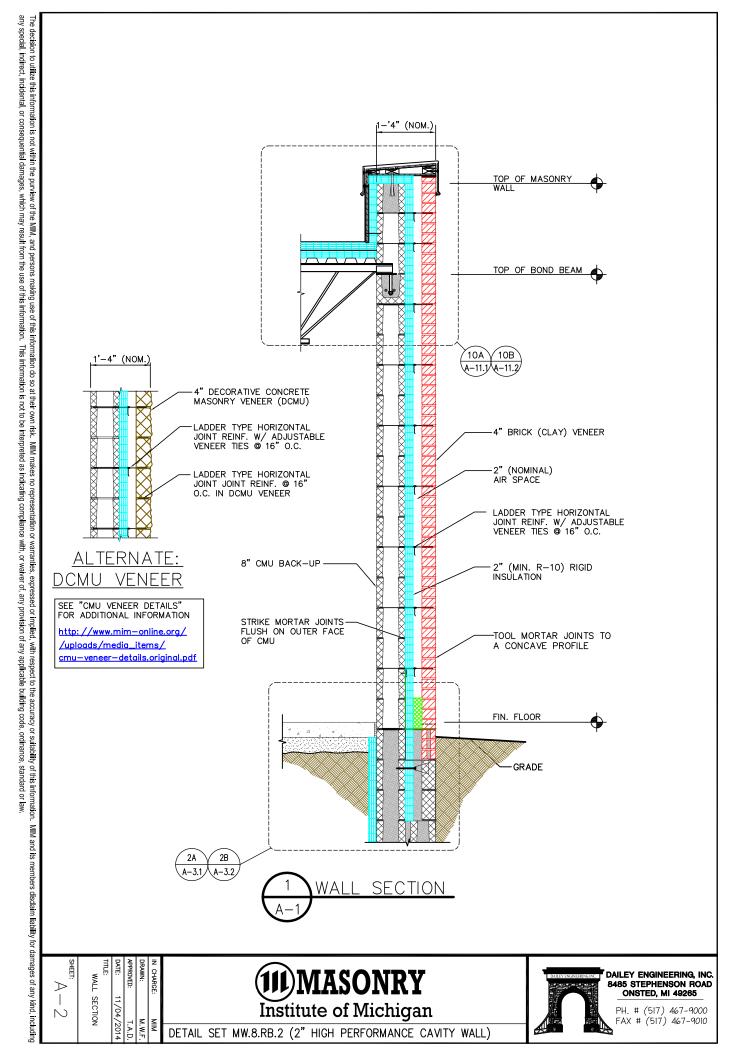
STONE/PRECAST COPING PARAPET DETAIL

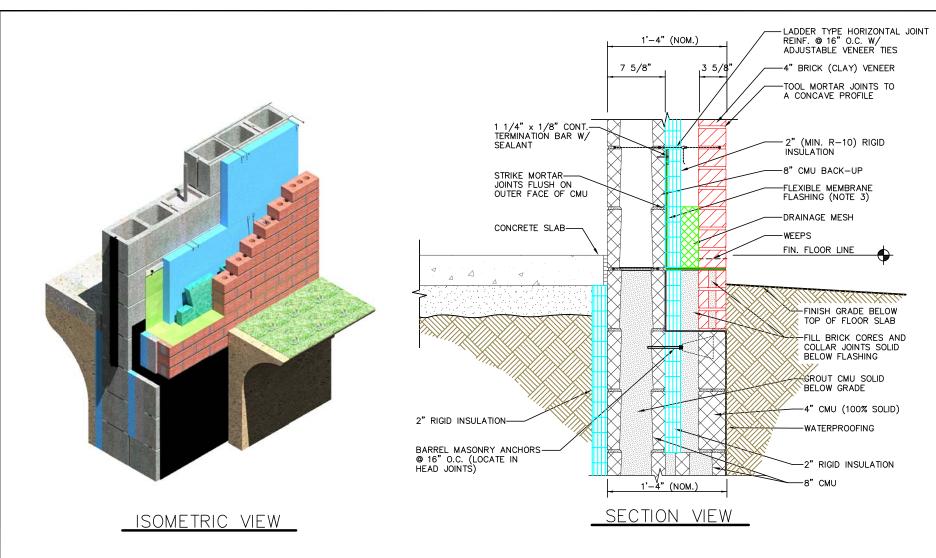
ADDITIONAL "CONTROL LAYER" INFORMATION

UPPER WALL / LOW ROOF FLASHING DETAIL UPPER WALL / LOW ROOF FLASHING ENLARGED DETAIL

BRICK LEDGER FOR CMU BACK-UP DETAIL

METAL COPING PARAPET DETAIL





NOTES

- 1) CMU BELOW GRADE SHALL BE MEDIUM OR NORMAL WEIGHT.
- 2) SPECIAL CARE IN BRICK SELECTION MUST BE EXERCISED WHEN PLACING BRICK BELOW GRADE.
- 3) IF A DRIP EDGE IS NOT DESIRED, THE FLASHING MEMBRANE SHALL, MINIMALLY, EXTEND TO THE OUTBOARD SURFACE OF THE EXTERIOR WALL FINISH. IF A METAL DRIP EDGE IS DESIRED, MODIFY THIS DETAIL TO BE SIMILAR TO THE 2-PIECE FLASHING SHOWN ON DETAIL 6D SHEET A-7. EXERCISE CAUTION WHEN USING METAL DRIP EDGES AT ACCESSIBLE LOCATIONS DUE TO POSSIBLE SHARP METAL SEE: http://www.mim-online.org/bulletins.html

BASE DETAIL W/ VENEER BELOW GRADE | DAILEY ENGINEERING, INC. | 8485 STEPHENSON ROAD | ONSTED, MI 49265 | PH. # (517) 467-9000 | FAX # (517) 467-9010

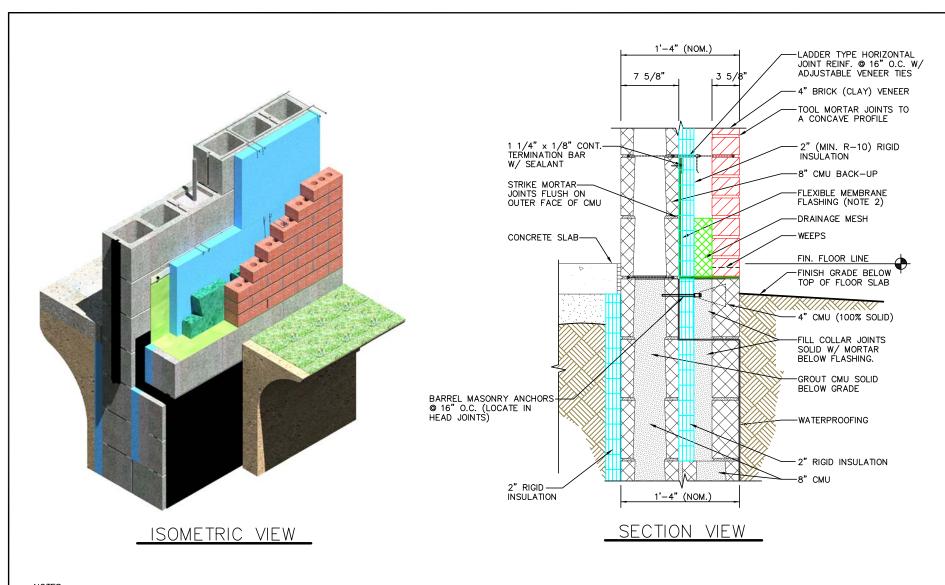
(11) MASONRY Institute of Michigan MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

SET

DETAIL

IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
BASE DETAIL W/
VENEER BELOW GRADE
SHEET:

A-3.



1) CMU BELOW GRADE SHALL BE MEDIUM OR NORMAL WEIGHT.

2) IF A DRIP EDGE IS NOT DESIRED, THE FLASHING MEMBRANE SHALL, MINIMALLY, EXTEND TO THE OUTBOARD SURFACE OF THE EXTERIOR WALL FINISH. IF A METAL DRIP EDGE IS DESIRED, MODIFY THIS DETAIL TO BE SIMILAR TO THE 2-PIECE FLASHING SHOWN ON DETAIL 6D SHEET A-7. EXERCISE CAUTION WHEN USING METAL DRIP EDGES AT ACCESSIBLE LOCATIONS DUE TO POSSIBLE SHARP METAL SEE: http://www.mim-online.org/bulletins.html



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Institute of Michigan 111)MASONRY

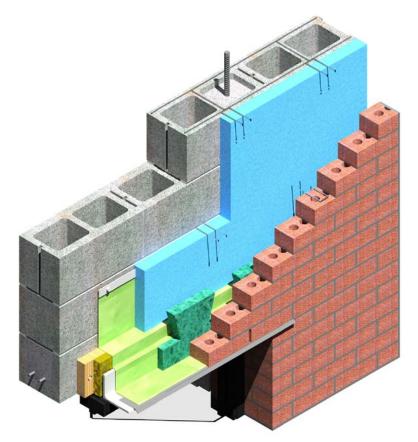
MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

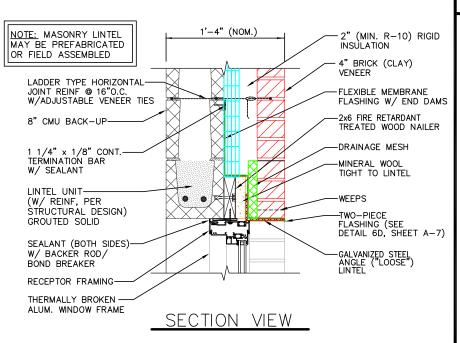
SET

DETAIL

МІМ IN CHARGE: DRAWN: M.W.F APPROVED: T.A.D DATE: 11/04/2014 TITLE: BASE DETAIL W/ VENEER ABOVE GRADE SHEET:

www.cement.org/masonry/cc_al_frames.asp





ISOMETRIC VIEW

SHORT SPAN MASONRY LINTEL FOR RECEPTOR STYLE WINDOWS

B485 STEPHENSON ROAD ONSTED, MI 46266

PH. # (517) 467-9000

FAX # (517) 467-9000

(11) MASONRY Institute of Michigan MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

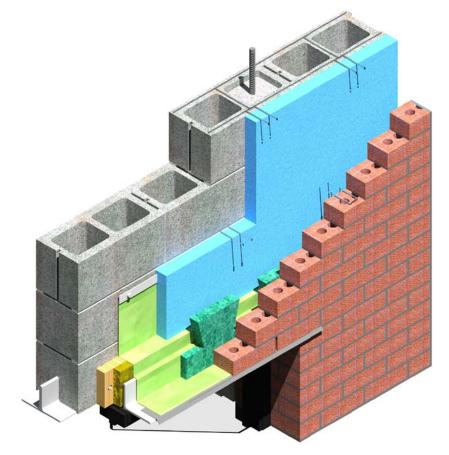
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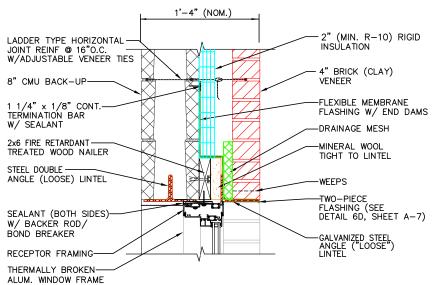
DETAIL

IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
SHORT SPAN MASONR\
LINTEL FOR RECEPTOR
STYLE WINDOWS

A - 4.1

www.cement.org/masonry/cc_al_frames.asp





SECTION VIEW

ISOMETRIC VIEW



SHORT SPAN STEEL LINTEL FOR RECEPTOR STYLE WINDOWS

DAILEY ENGINEERING, INC.

8485 STEPHENSON ROAD
ONSTED, MI 49285

PH. # (517) 467-9000
FAX # (517) 467-9010

(11) MASONRY
Institute of Michigan

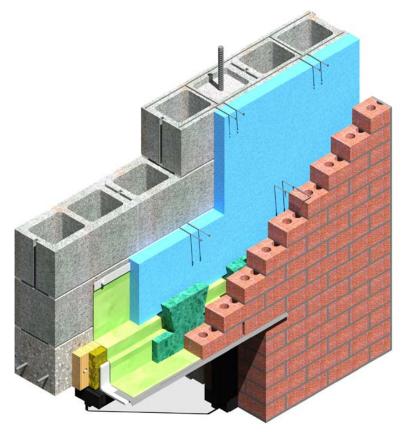
WW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

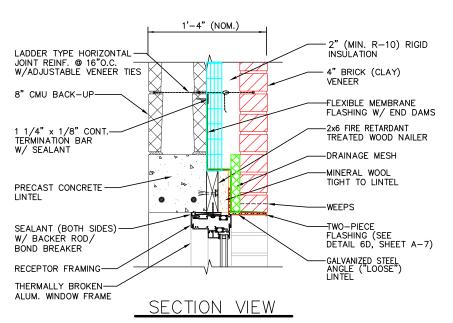
SET

DETAIL

A-4.2

www.cement.org/masonry/cc_al_frames.asp





ISOMETRIC VIEW

SHORT SPAN PRE-CAST LINTEL FOR RECEPTOR STYLE WINDOWS

BABS STEPHENSON ROAD ONSTED, MI 40208
PH. # (517) 467-9000

(11) MASONRY
Institute of Michigan

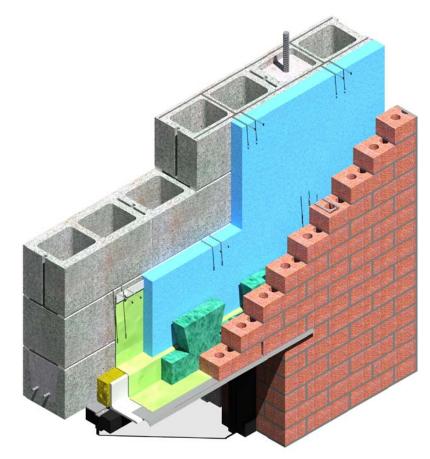
WW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

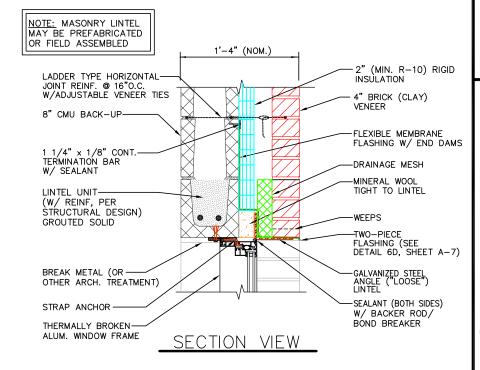
IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
SHORT SPAN PRE-CAST
LINTEL FOR RECEPTOR
STYLE WINDOWS

SET

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ISOMETRIC VIEW

SHORT SPAN MASONRY LINTEL FOR STRAP STYLE WINDOWS DAILEY ENGINEERING, INC. 8485 STEPHENSON ROAD ONSTED, MI 49286 PH. # (517) 467-9000 PH. # (517) 467-9000

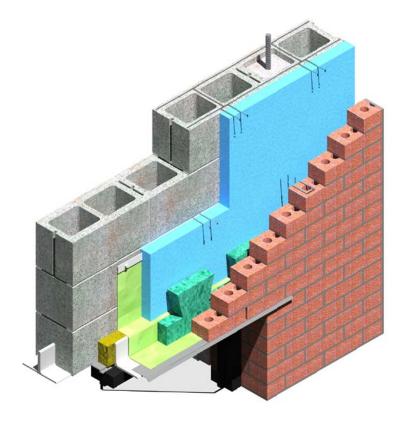
(11) MASONRY Institute of Michigan MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

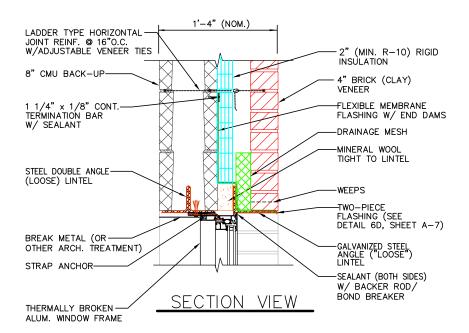
SET

IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
SHORT SPAN MASONRY
LINTEL FOR STRAP
STYLE WINDOWS

A-4.4

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ISOMETRIC VIEW



DAILEY ENGINEERING, INC.

8485 STEPHENSON ROAD
ONSTED, MI 49285

PH. # (517) 467-9000
FAX # (517) 467-9010

III) MASONRY Institute of Michigan MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

SET

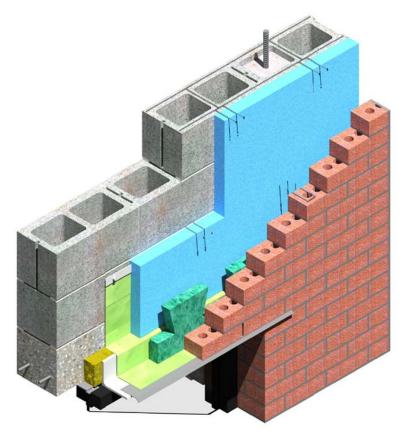
IN CHARGE: MIM

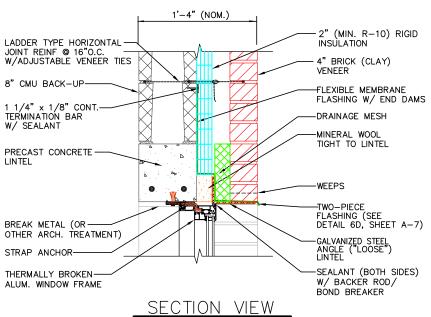
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014

TITLE:
SHORT SPAN STEEL
LINTEL FOR STRALE
LINTEL FOR STRALE
STYLE WINDOWS

A — 4 . 5

www.cement.org/masonry/cc_al_frames.asp





ISOMETRIC VIEW

SHORT SPAN PRE-CAST LINTEL FOR STRAP STYLE WINDOWS DAILEY ENGINEERING, INC.

8486 STEPHENSON ROAD
ONSTED, MI 49266
PH. # (517) 467-9000
FAX # (517) 467-9000

(11) MASONRY
Institute of Michigan

WW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

IN CHARGE: MIM

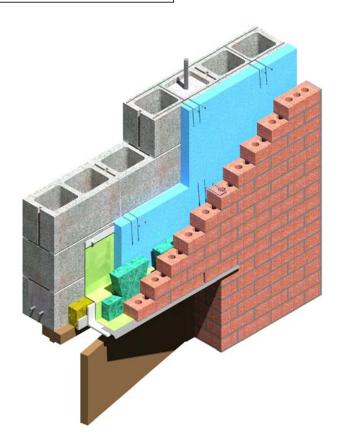
DRAWN: M.W.F.
APPROVED: T.A.D.

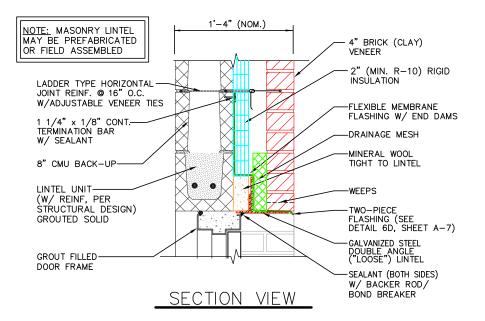
TITLE:
SHORT SPAN PRE-CAST
LINTEL FOR STRAP
STYLE WINDOWS

SET

A-4.6

www.cement.org/masonry/cc_al_frames.asp





ISOMETRIC VIEW

SHORT SPAN MASONRY
LINTEL FOR DOOR OPENING
A-1

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PH. # (517) 467-9000

(11) MASONRY
Institute of Michigan

WW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

IN CHARGE: MIM

DRAWN: M.W.F.

APPROVED: T.A.D.

DATE: 11/04/2014

TITLE:

SHORT SPAN MASONRY
LINTEL FOR
DOOR OPENING

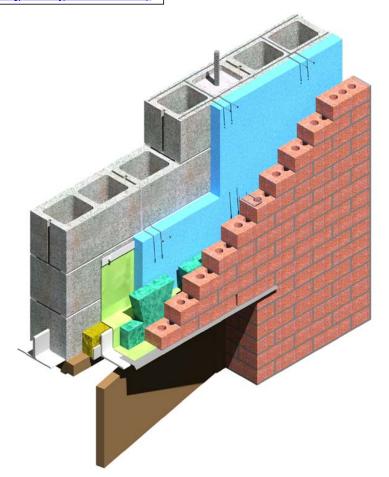
SET

DETAIL

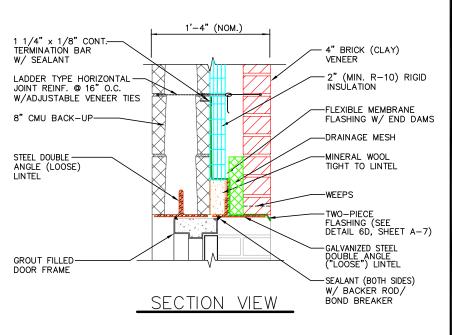
A-5.1



www.cement.org/masonry/cc_al_frames.asp



ISOMETRIC VIEW



SHORT SPAN STEEL

A-1

SHORT SPAN STEEL

ADDOR OPENING

| DAILEY ENGINEERING, INC. | 8485 STEPHENSON ROAD | ONSTED, MI 49265 | PH. # (517) 467-9000 | FAX # (517) 467-9010

(11) MASONRY Institute of Michigan MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

SET

IN CHARGE: MIM

DRAWN: M.W.F.

APPROVED: T.A.D.

DATE: 11/04/2014

TITLE:

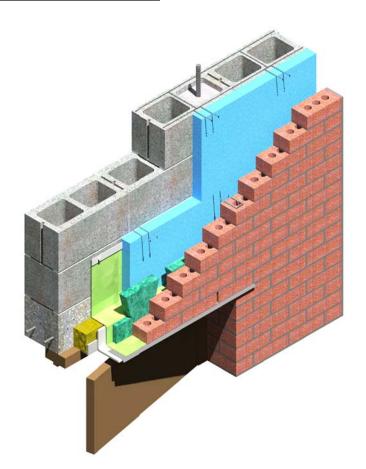
SHORT SPAN STEEL

LINTEL FOR

DOOR OPENING

A - 5.2

www.cement.org/masonry/cc_al_frames.asp



1'-4" (NOM.) 4" BRICK (CLAY) VENEER LADDER TYPE HORIZONTAL-JOINT REINF. @ 16" O.C. W/ADJUSTABLE VENEER TIES 2" (MIN. R-10) RIGID INSULATION 8" CMU BACK-UP--FLEXIBLE MEMBRANE FLASHING W/ END DAMS -DRAINAGE MESH 1 1/4" x 1/8" CONT. TERMINATION BAR W/ SEALANT MINERAL WOOL TIGHT TO LINTEL PRECAST CONCRETE WEEPS LINTEL TWO-PIECE FLASHING (SEE DETAIL 6D, SHEET A-7) SEALANT (BOTH SIDES)-W/ BACKER ROD/ BOND BREAKER -GALVANIZED STEEL DOUBLE ANGLE ("LOOSE") LINTEL GROUT FILLED DOOR FRAME SECTION VIEW

ISOMETRIC VIEW

SHORT SPAN PRE-CAST LINTEL FOR DOOR OPENING | DAILEY ENGINEERING, INC. | 8488 STEPHENSON ROAD | ONSTED, MI 49265 | PH. # (517) 467–9000 | FAX # (517) 467–9000

(11) MASONRY Institute of Michigan MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

SET

DETAIL

IN CHARGE: MIM

DRAWN: M.W.F.

APPROVED: T.A.D.

DATE: 11/04/2014

TITLE:

SHORT SPAN PRE-CAST

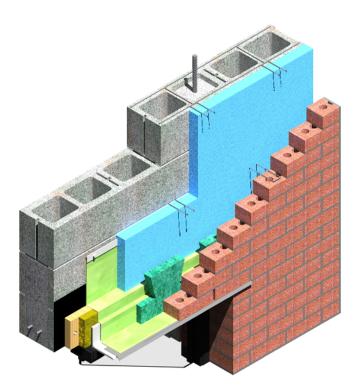
LINTEL FOR

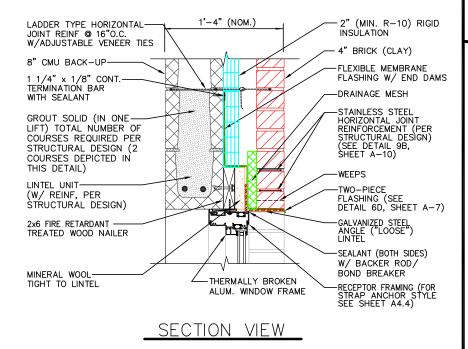
DOOR OPENING

A - 5.3

NOTES:

- 1) FOR ADDITIONAL INFORMATION ON THE REINFORCED BRICK LINTEL DEPICTED IN THIS DETAIL, SEE DETAIL 9B ON SHEET A-10.
- 2) UNPROTECTED ALUMINUM DOOR
 AND WINDOW FRAMES CAN INTERACT WITH
 CEMENT-BASED MATERIALS AND INCUR DAMAGE.
 SEE PC "MASONRY TODAY" VOLUME II,
 No. 1 FOR RECOMMENDATIONS.
 www.cement.org/masonry/cc_al_frames.asp





ISOMETRIC VIEW

5A LONG SPAN MASONRY LINTEL FOR WINDOW OPENING



(11) MASONRY Institute of Michigan 8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

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SET

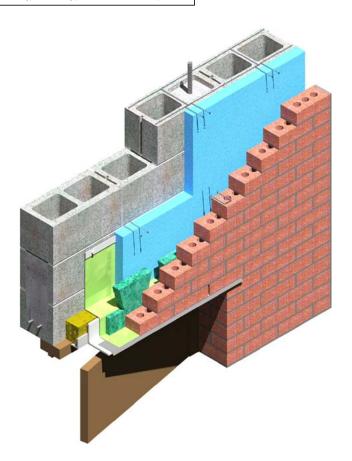
DETAIL

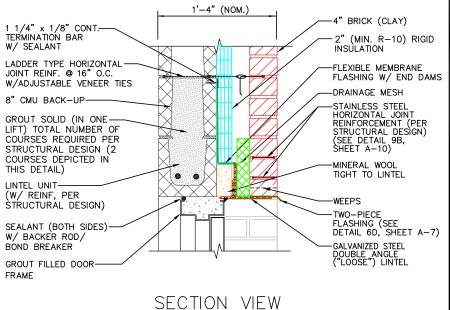
IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
LONG SPAN MASONRY
LINTEL FOR
WINDOW OPENING

A - 6.1

NOTES:

- 1) FOR ADDITIONAL INFORMATION ON THE REINFORCED BRICK LINTEL DEPICTED IN THIS DETAIL, SEE DETAIL 9B ON SHEET A-10.
- 2) UNPROTECTED ALUMINUM DOOR
 AND WINDOW FRAMES CAN INTERACT WITH
 CEMENT-BASED MATERIALS AND INCUR DAMAGE.
 SEE PC "MASONRY TODAY" VOLUME II,
 No. 1 FOR RECOMMENDATIONS.
 www.cement.org/masonry/cc_al_frames.asp





<u>ISOMETRIC VIEW</u>

LONG SPAN MASONRY LINTEL FOR OPENING WITH MULTIPLE PEDESTRIAN DOORS

DAILEY ENGINEERING, INC.

8486 STEPHENSON ROAD

ONSTED, MI 49266

PH. # (517) 467-9000

FAX # (517) 467-9010

(III) MASONRY Institute of Michigan 8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

SET MW.

DETAIL

IN CHARGE: MIM

DRAWN: M.W.F.

APPROVED: T.A.D.

DATE: 11/04/2014

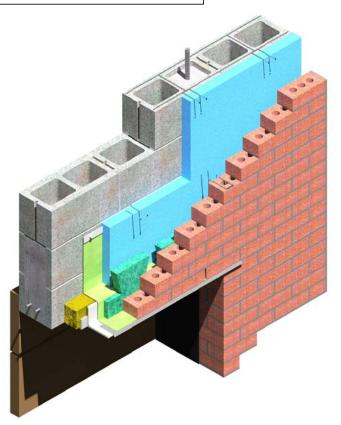
TITLE:

LONG SPAN MASONRY
LINTEL FOR

MULTIPLE PEDESTRIAN

DOOR OPENING
SHEET:
A-6.2

- 1) FOR ADDITIONAL INFORMATION ON THE REINFORCED BRICK LINTEL DEPICTED IN THIS DETAIL, SEE DETAIL 9B ON SHEET A-10.
- 2) UNPROTECTED ALUMINUM DOOR AND WINDOW FRAMES CAN INTERACT WITH CEMENT-BASED MATERIALS AND INCUR DAMAGE. SEE PC "MASONRY TODAY" VOLUME II, No. 1 FOR RECOMMENDATIONS. www.cement.org/masonry/cc_al_frames.asp



1'-4" (NOM.) 1 1/4" x 1/8" CONT.— TERMINATION BAR WITH SEALANT 4" BRICK (CLAY) LADDER TYPE HORIZONTAL-JOINT REINF. @ 16" O.C. 2" (MIN. R-10) RIGID W/ADJUSTABLE VENEER TIES INSULATION -FLEXIBLE MEMBRANE 8" CMU BACK-UP-FLASHING W/ END DAMS -DRAINAGE MESH GROUT SOLID (IN ONE-LIFT) TOTAL NUMBER OF -STAINLESS STEEL HORIZONTAL JOINT COURSES REQUIRED PER REINFORCEMENT (PER STRUCTURAL DESIGN) (SEE DETAIL 9B, SHEET A-10) STRUCTURAL DESIGN (2 COURSES DEPICTED IN THIS DETAIL) WEEPS LINTEL UNIT-(W/ REINF, PER -TWO-PIECE FLASHING (SEE STRUCTURAL DESIGN) DETAIL 6D, SHEET A-7) -GALVANIZED STEEL DOUBLE ANGLE ("LOOSE") LINTEL 10" STEEL CHANNEL JAMB (BEYOND) MINERAL WOOL TIGHT TO LINTEL SECTION VIEW

ISOMETRIC VIEW

LONG SPAN MASONRY LINTEL FOR OVERHEAD DOOR OPENING

MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL) Institute of Michigan MASONRY

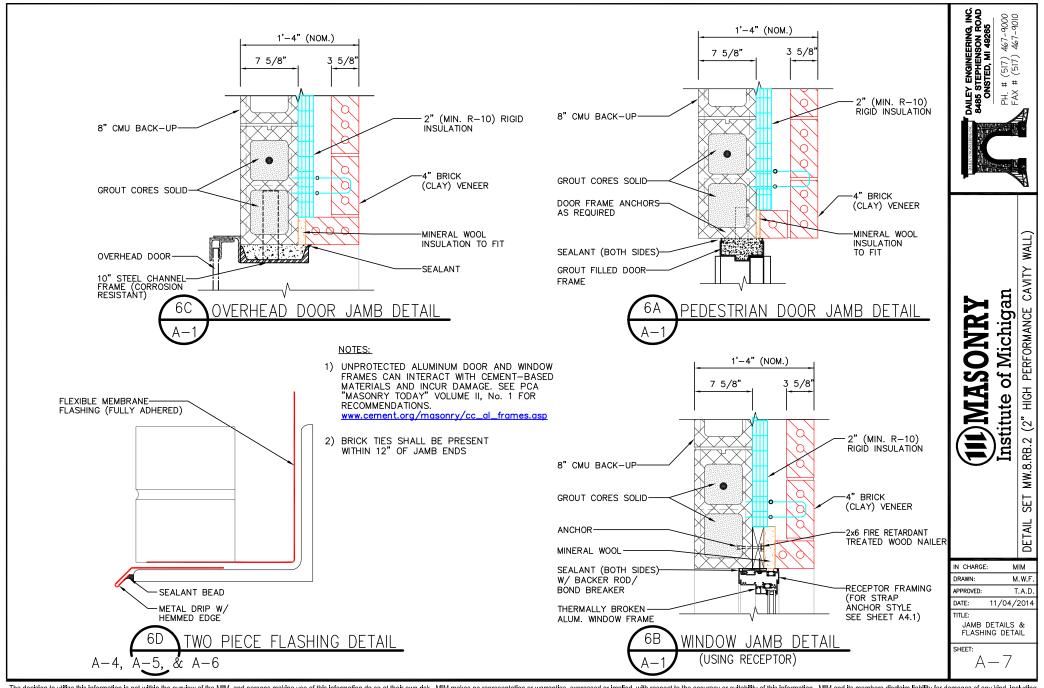
IN CHARGE: MIM DRAWN: M.W.F APPROVED: T.A.D 11/04/2014 TITLE:
LONG SPAN MASONRY
LINTEL FOR
OVERHEAD
OPENING

A - 6.3

SET

DETAIL

SHEET:



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MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

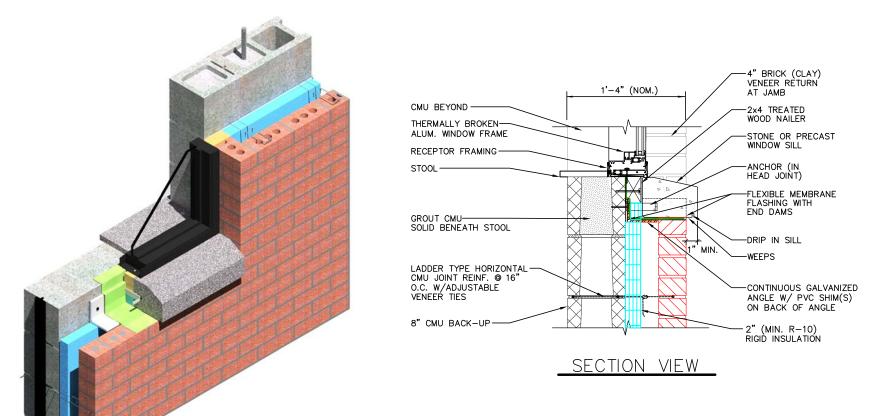
Institute of Michigan 111)MASONRY

DETAIL IN CHARGE: MIM DRAWN: M.W.F APPROVED: T.A.D. DATE: 11/04/2014

SET

TITLE:
STONE/PRECAST
SILL FOR RECEPTOR
STYLE WINDOWS

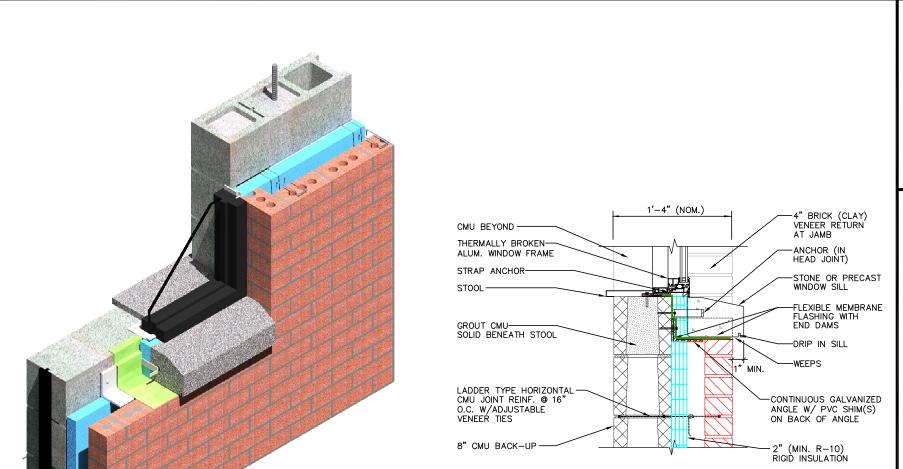
A - 8.1



ISOMETRIC VIEW

STONE/PRECAST SILL FOR RECEPTOR STYLE WINDOWS

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ISOMETRIC VIEW

STONE/PRECAST SILL
FOR STRAP STYLE WINDOWS

A-1

SECTION VIEW

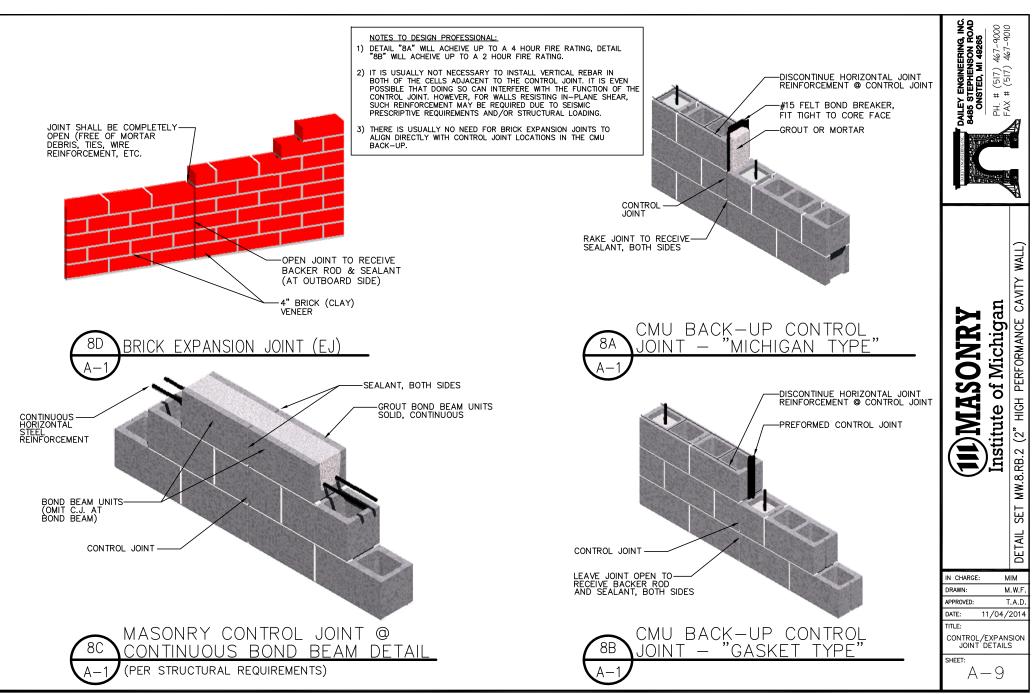
Institute of Michigan

MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

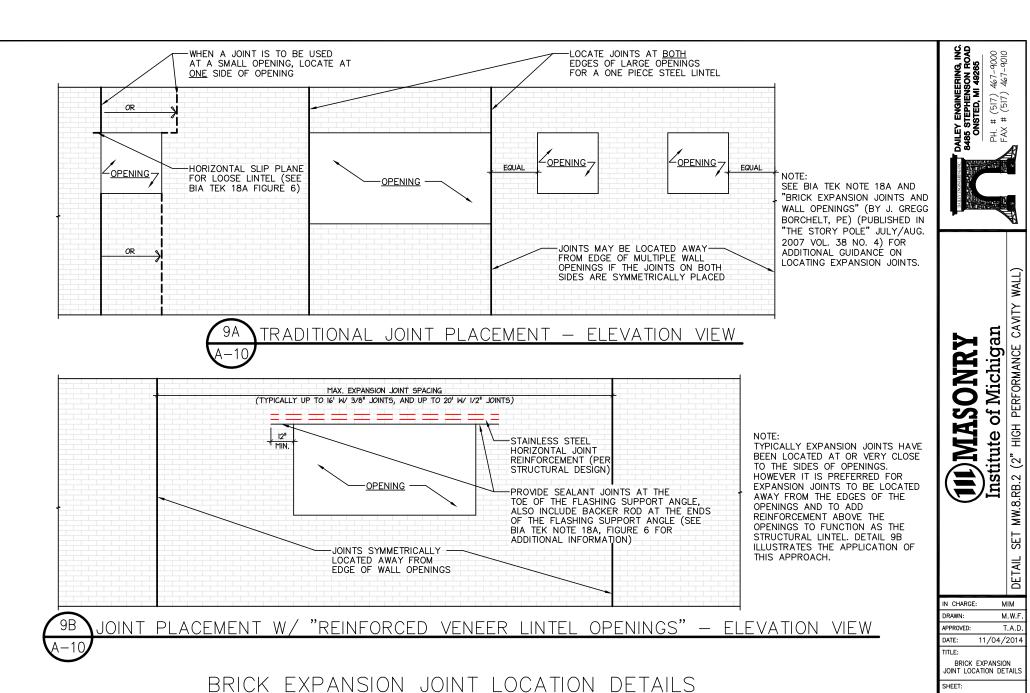
IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
STONE/PRECAST
SILL FOR STRAP
STYLE WINDOWS

SET

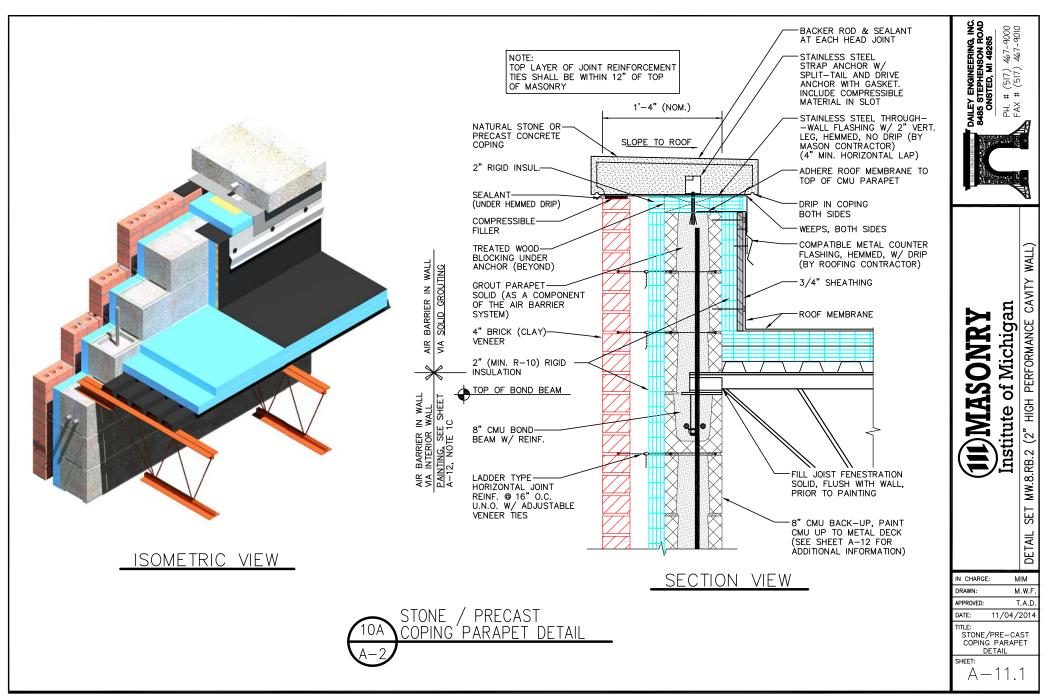
A-8.2



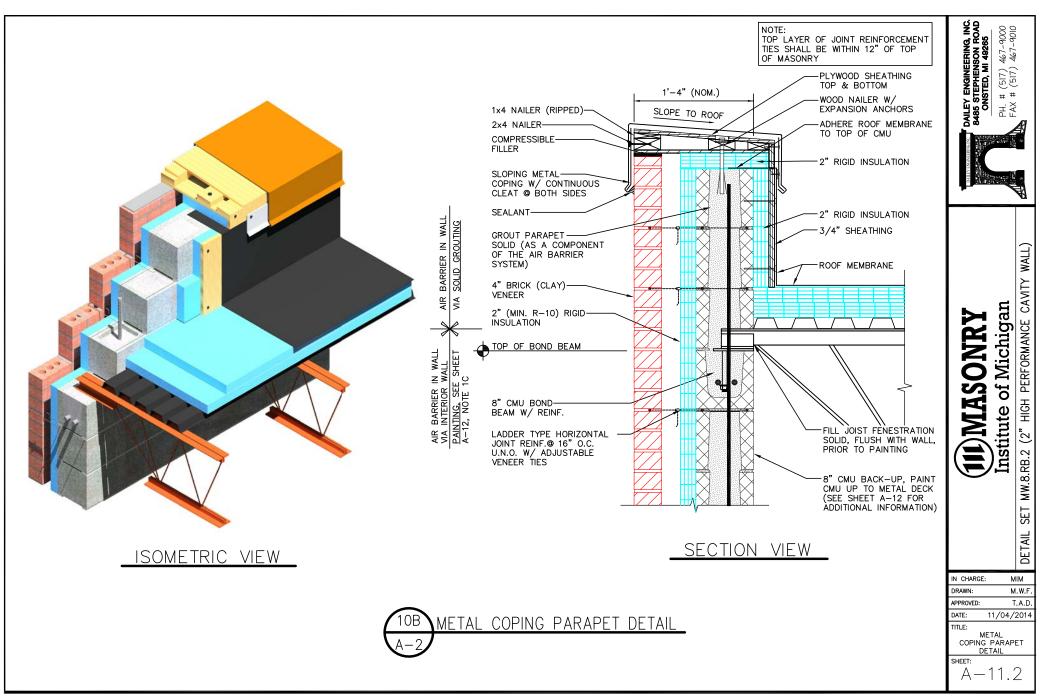
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A - 10



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- 1) AIR CONTROL LAYER:
 - A) THE AIR CONTROL LAYER IS OFTEN REFERED TO AS AN "AIR BARRIER". SEVERAL PRODUCTS AND OPTIONS (SUCH AS LIQUID OR MEMBRANE APPLIED PROPRIETARY SYSTEMS) ARE AVAILABLE, WITH DIFFERING LEVELS OF COST AND COMPLEXITY.
 - B) THIS SET OF DETAILS REFLECTS AN AIR BARRIER SYSTEM ACHIEVED WITH SPECIFIC MASONRY DETAILING/CONSTRUCTION AND NON-PROPRIETARY COATINGS DESCRIBED IN NOTE C BELOW.
 - C) THE FOLLOWING NON-PROPRIETARY COATINGS ARE CONSIDERED TO MEET AN AIR LEAKAGE OF LESS THAN 0.04 CFM/SQ. FT. @ 75 Pa. (SEE NCMA TEK 6-14A FOR ADDITIONAL INFORMATION)
 - 1) PRESCRIPTIVE COMPLIANCE:
 - FULLY GROUTED CMU
 - CMU WALL WITH ONE APPLICATION OF BLOCK FILLER
 AND TWO APPLICATIONS OF A PAINT OR SEALER COATING
 - CMU WALL WITH A PORTLAND CEMENT/SAND PARGE, STUCCO OR PLASTER WITH A MINIMUM THICKNESS OF 1/2".
 - 2) BY LABORATORY TESTING:
 - 12" CMU SEALED WITH AT LEAST (2) COATS OF COMMERCIAL-GRADE LATEX PAINT.
 - 8" CMU COATED WITH A SINGLE COAT OF HIGH QUALITY LATEX PAINT.
 - 8" CMU COATED WITH A SINGLE COAT OF MASONRY BLOCK FILLER.
- 2) VAPOR CONTROL LAYER:
 - A) BASED ON MULTIPLE DEW POINT ANALYSES FOR CLIMATE ZONE 5 (INCLUDING INDOOR HUMIDITY CONDITIONS VARYING FROM NON-HUMIDIFIED TO HIGH HUMIDITY), THE DEW POINT IN THIS CAVITY WALL SYSTEM OCCURS ONLY IN THE WET ZONE. THEREFORE A VAPOR CONTROL LAYER IS NOT NECESSARY. CAREFUL CONSIDERATION SHOULD BE GIVEN BEFORE INCLUDING A VAPOR RETARDER.

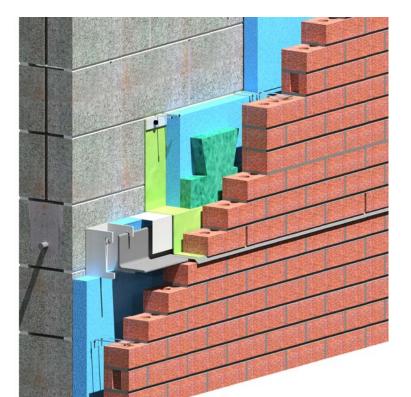


(111) MASONRY
Institute of Michigan

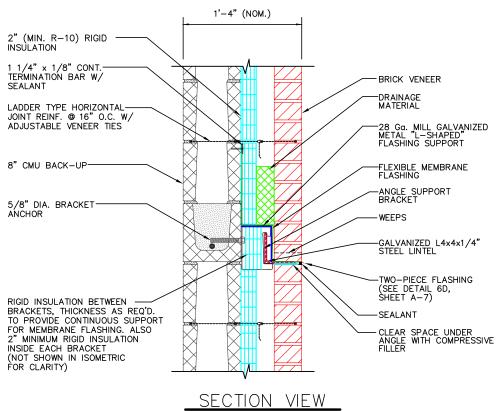
MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

IN CHARGE:	MIM
DRAWN:	M.W.F.
APPROVED:	T.A.D.
DATE:	11/04/2014
LAYER OF	R CONTROL PTIONS AND DTES
SHEET:	1 0

SET



ISOMETRIC VIEW



BRICK LEDGER DETAILS FOR CMU BACK-UP DETAIL

A-13

BAILEY ENGINEERING, INC.

8485 STEHENSON ROAD

ONSTED, MI 49265

PH. # (517) 467-9000

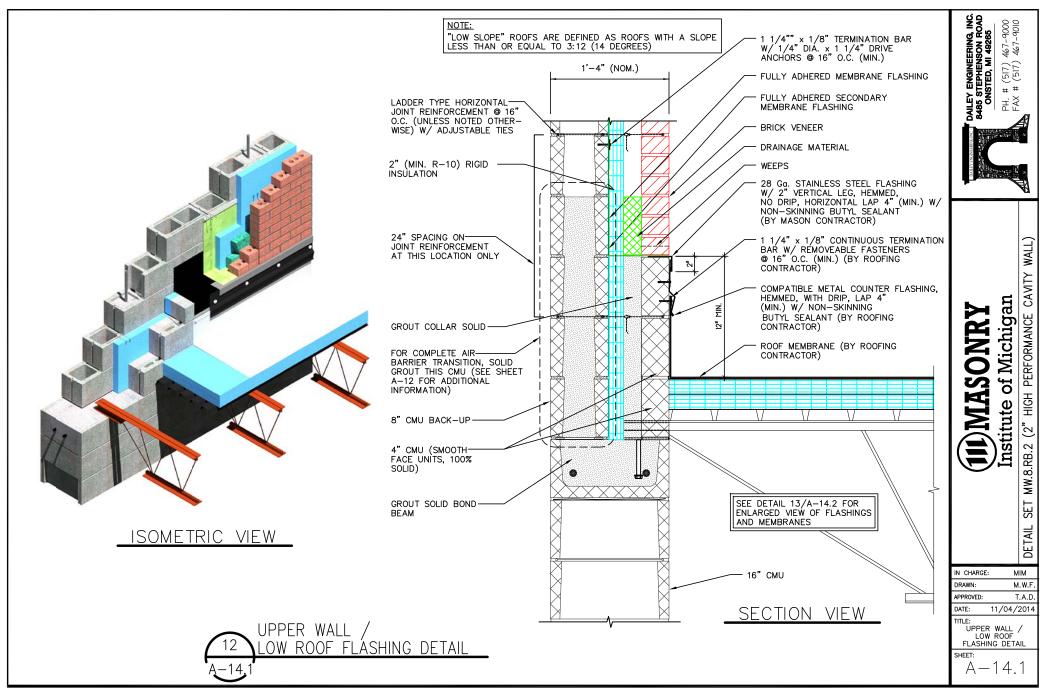
Institute of Michigan

MW.8.RB.2 (2" HIGH PERFORMANCE CAVITY WALL)

IN CHARGE: MIM
DRAWN: M.W.F.
APPROVED: T.A.D.
DATE: 11/04/2014
TITLE:
BRICK LEDGER
FOR CMU
BACK-UP DETAIL
SHEET:

SET

DETAIL



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SET MW.

APPROVED: T.A.D

DATE: 11/04/2014

TITLE:

TITLE:

UPPER WALL / LOW

ROOF FLASHING

DETAIL ENLARGED

SHEET:

A-14.2

