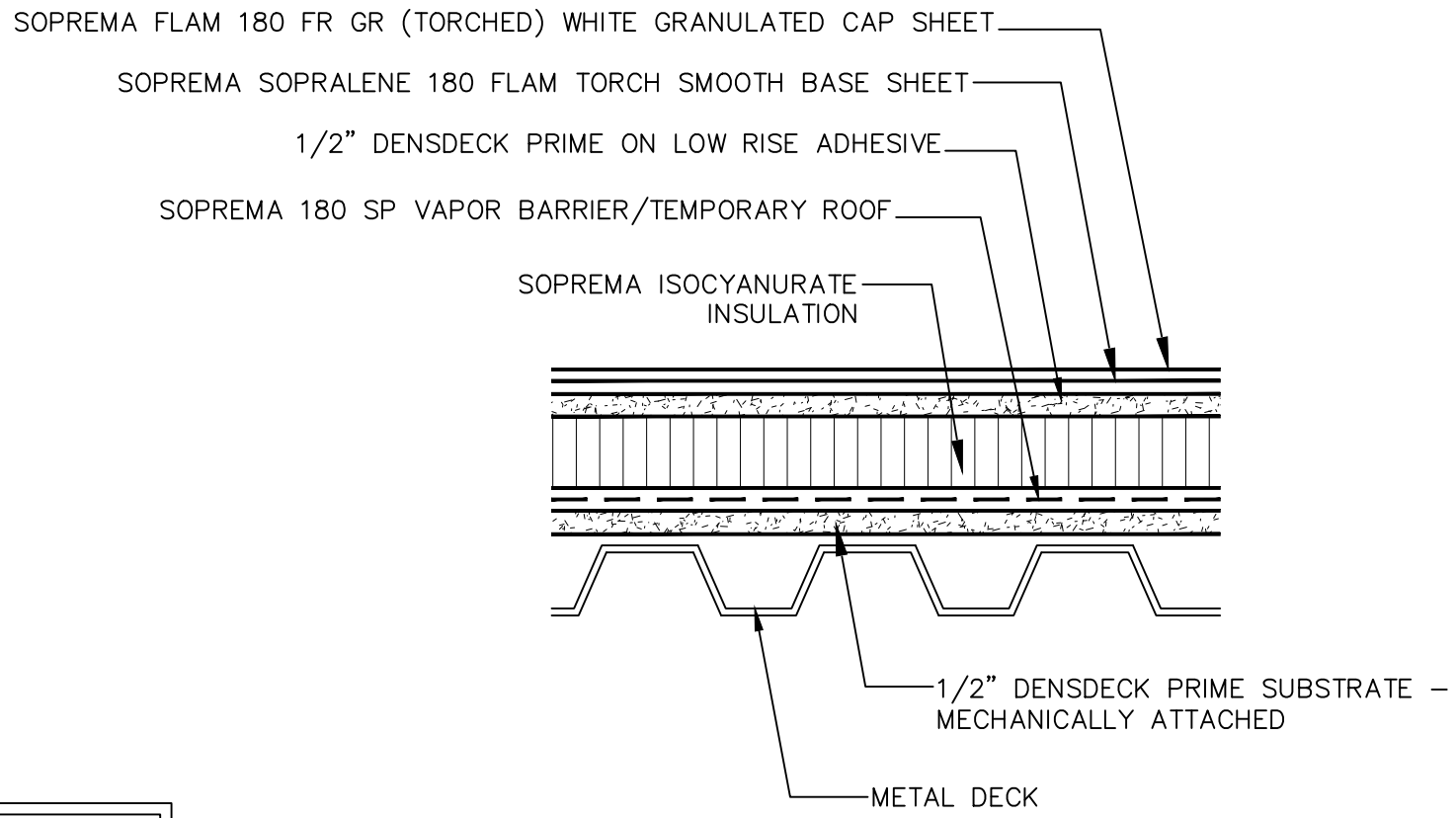
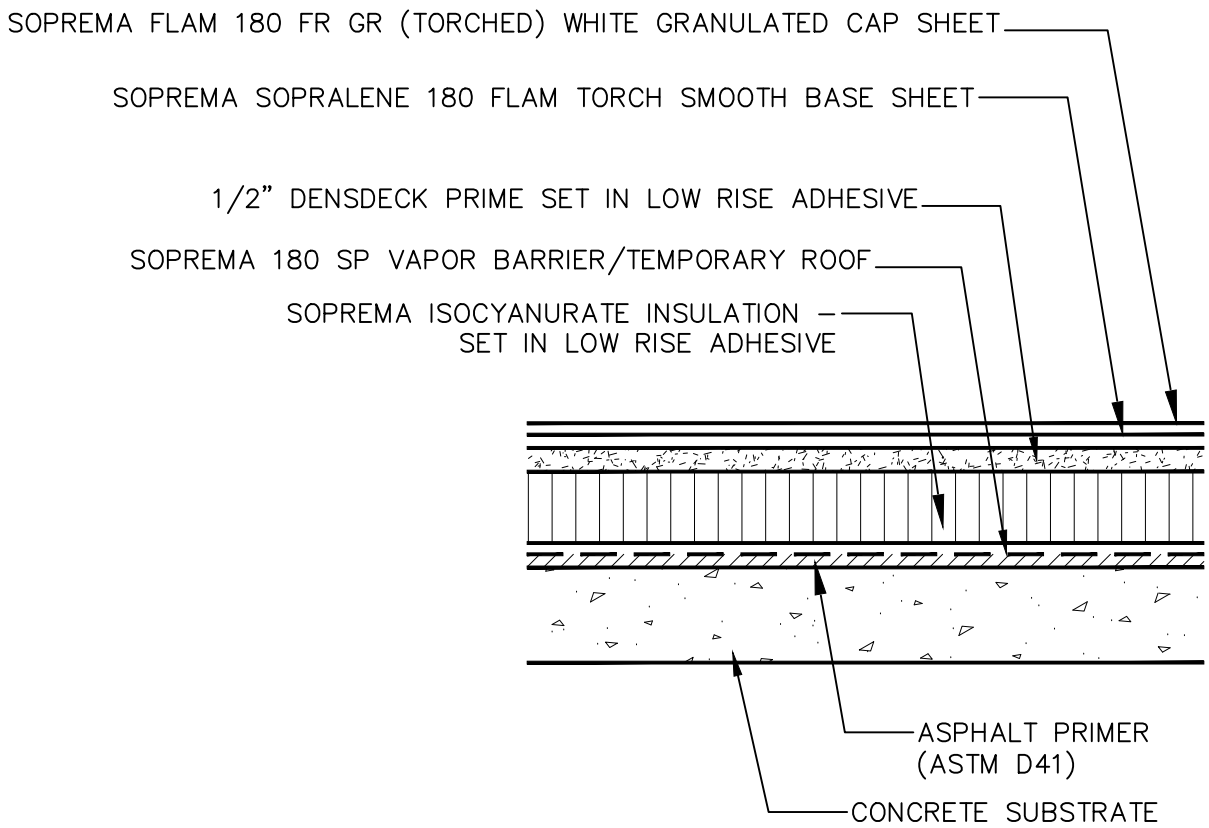


AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK ROOF PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
NEW ROOF CONSTRUCTION PROFILE (PUMP HOUSE ROOF)	4/27/2016	A



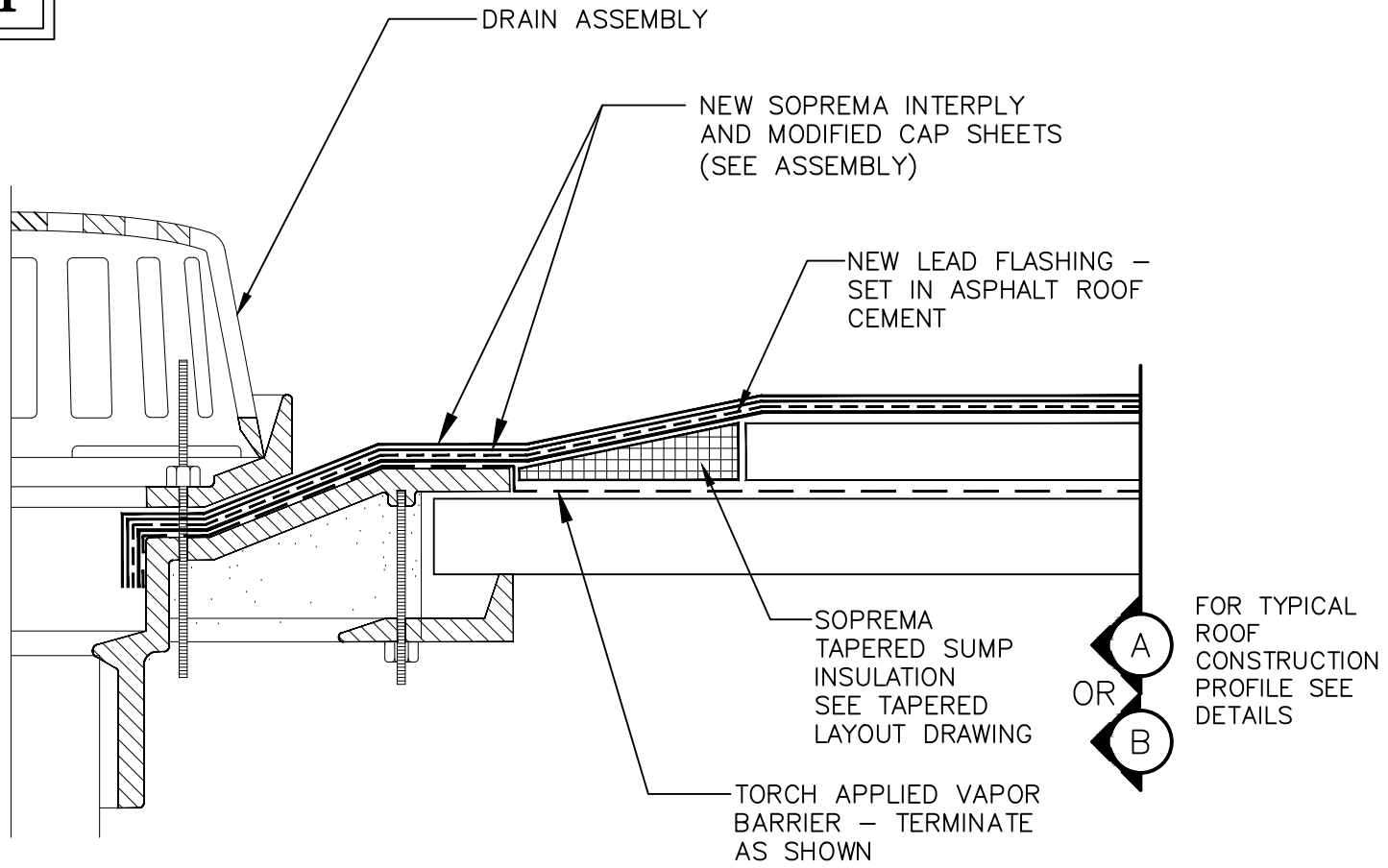
AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK ROOF PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
NEW ROOF CONSTRUCTION PROFILE (ENERGY BLDG./COMPRESSOR ROOF)	4/27/2016	B

AS-BUILT



GENERAL NOTES

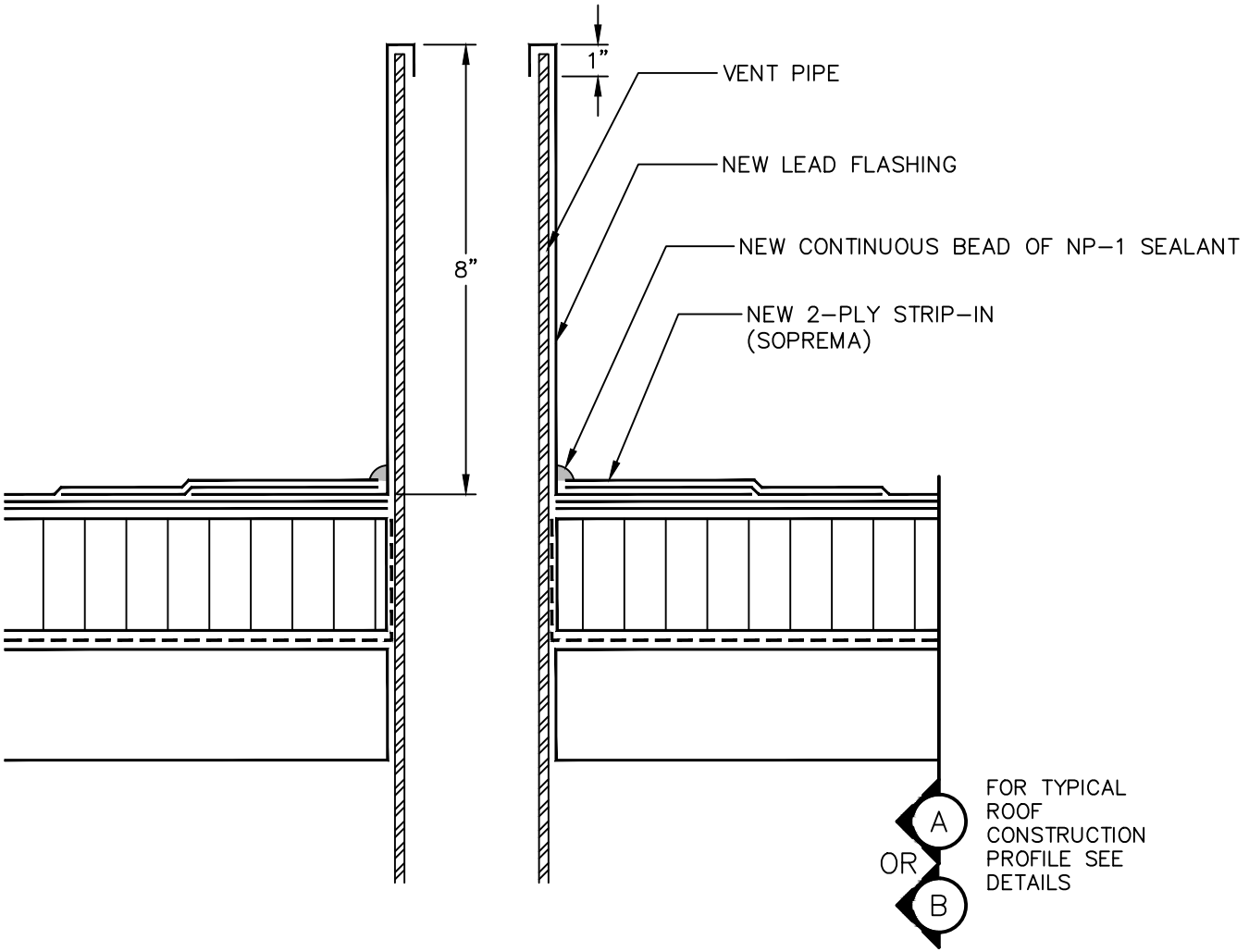
1.) TYPICAL TO OVERFLOW DRAINS.

2.) ROOF FLASHINGS ASSEMBLY WILL BE TYPICAL AT OVERFLOW DRAINS.

CAD FILE: MCCORMICK–1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597–5338
FAX: (708) 385–1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
ROOF DRAIN	4/27/2016	01



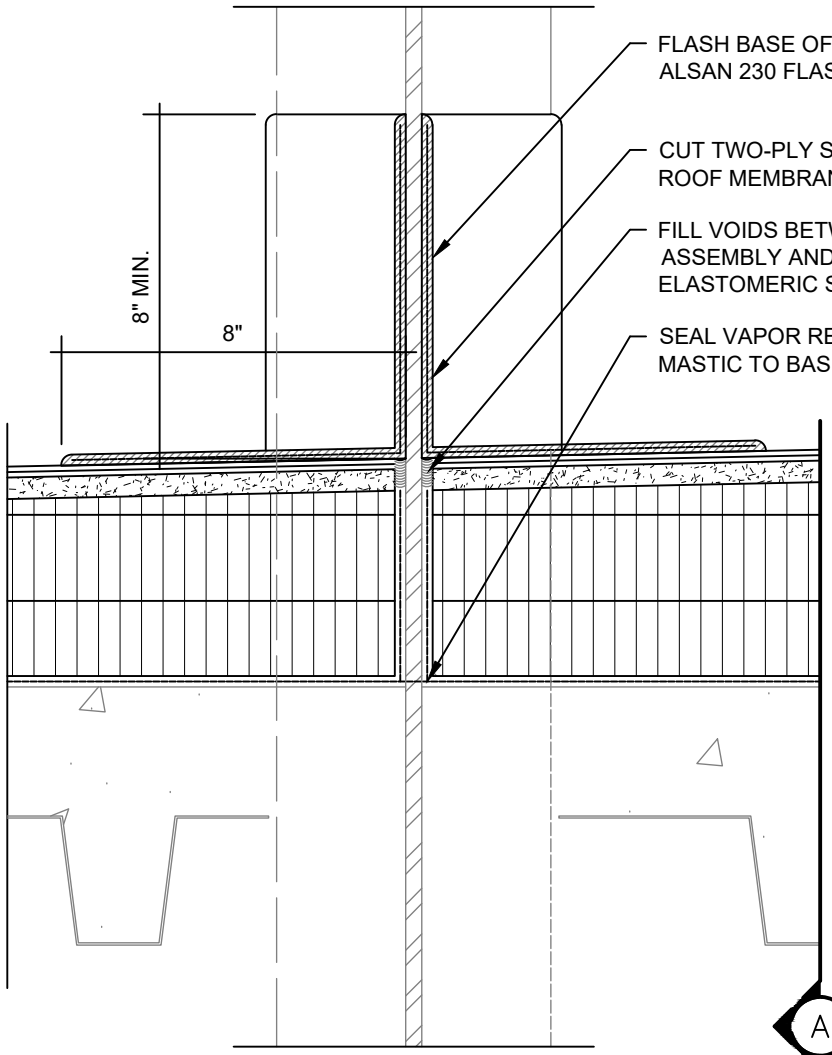
AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
PLUMBING VENT	4/27/2016	02

AS-BUILT



FLASH BASE OF STEEL SOPREMA ALSAN 230 FLASHING AND RS FLEECE

CUT TWO-PLY SOPREMA MODIFIED BITUMEN ROOF MEMBRANE TIGHT TO STEEL

FILL VOIDS BETWEEN ROOF ASSEMBLY AND STEEL WITH ELASTOMERIC SEALANT

SEAL VAPOR RETARDER WITH MASTIC TO BASE OF STEEL

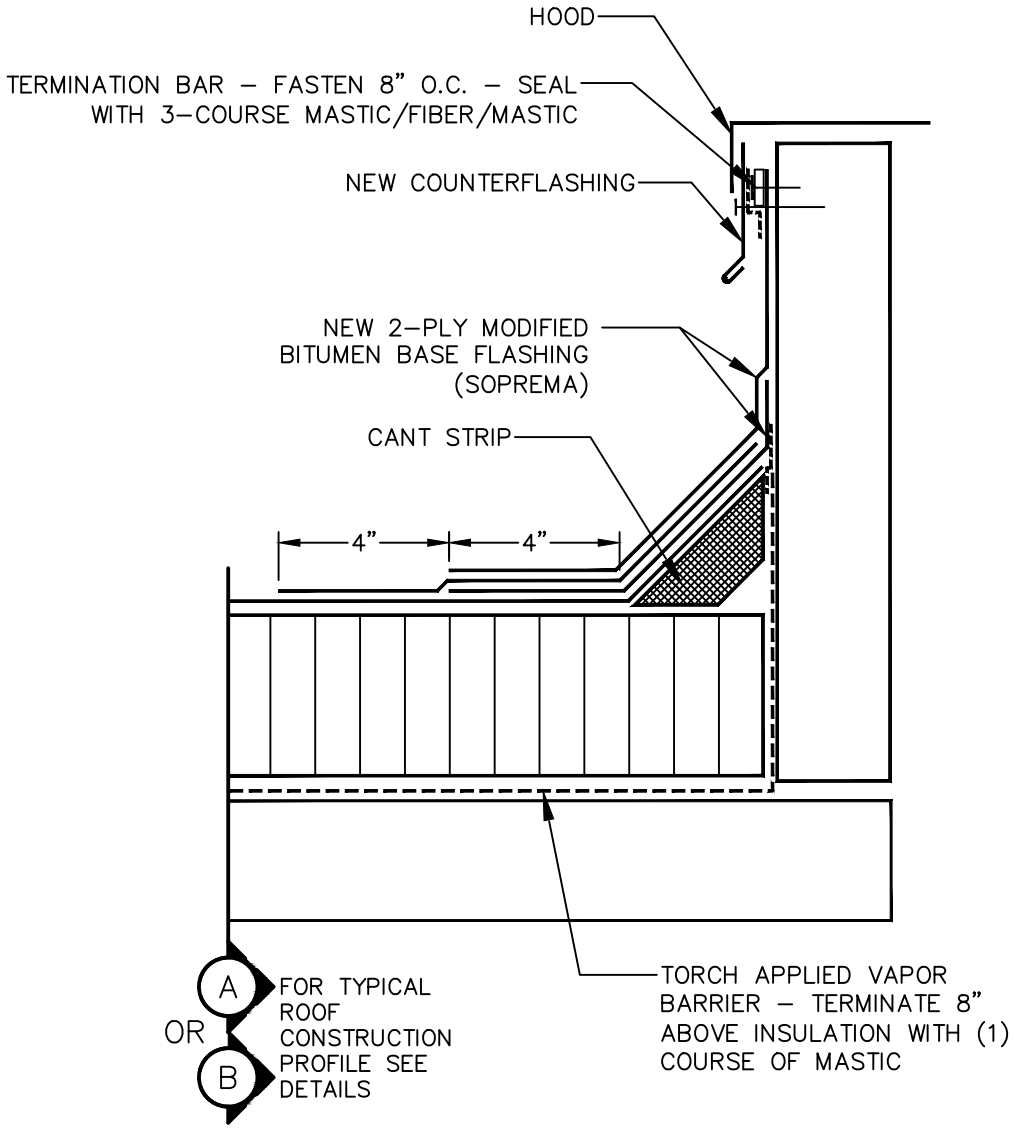
A OR B FOR TYPICAL ROOF CONSTRUCTION PROFILE SEE DETAILS

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
I-BEAM DETAIL	4/27/2016	03

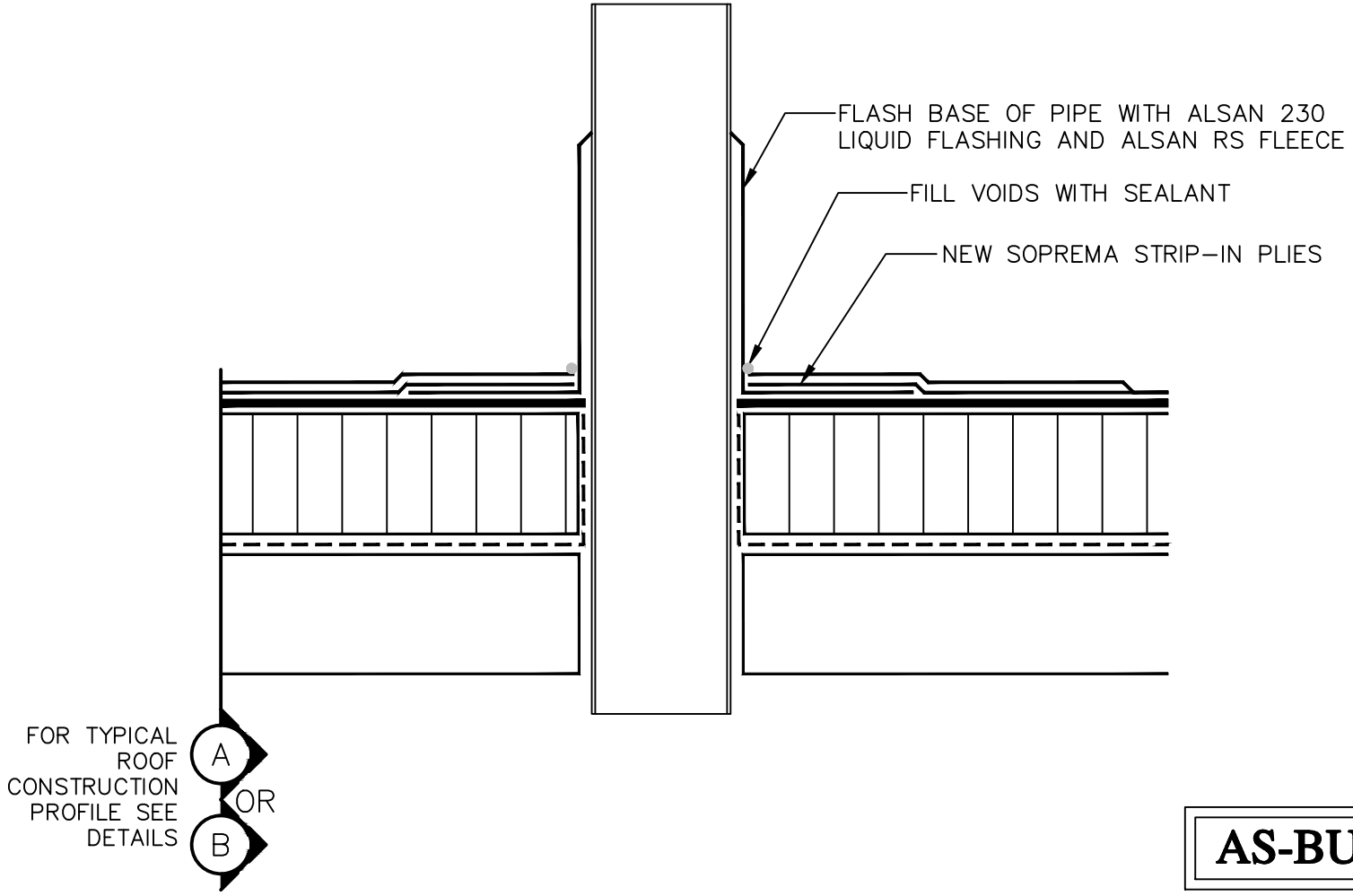
AS-BUILT



CAD FILE: MCCORMICK–1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597–5338
FAX: (708) 385–1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
TYP. ROOF CURB MEMBRANE FLASHING	4/27/2016	04

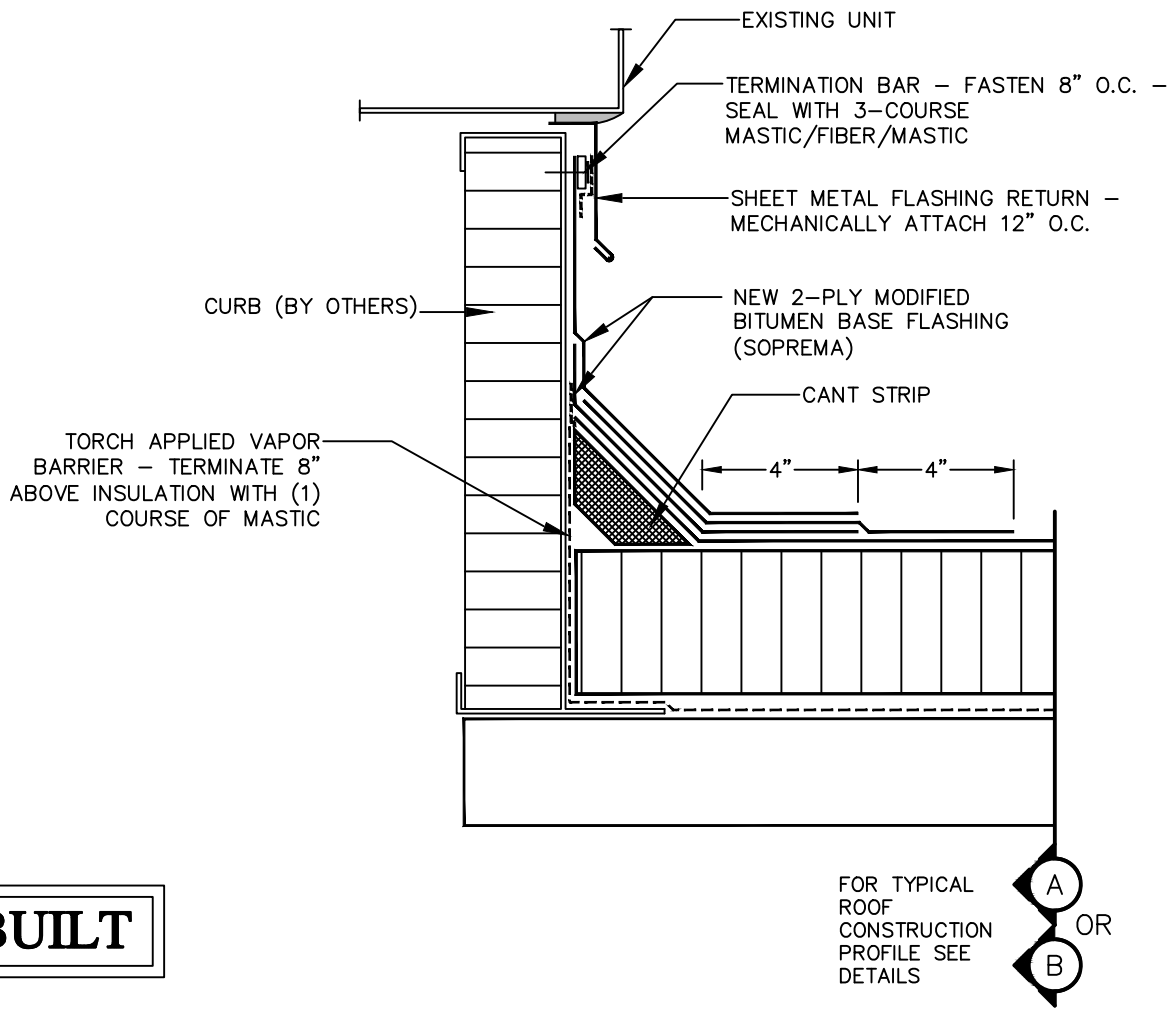


AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
PIPE PENETRATION	4/27/2016	05



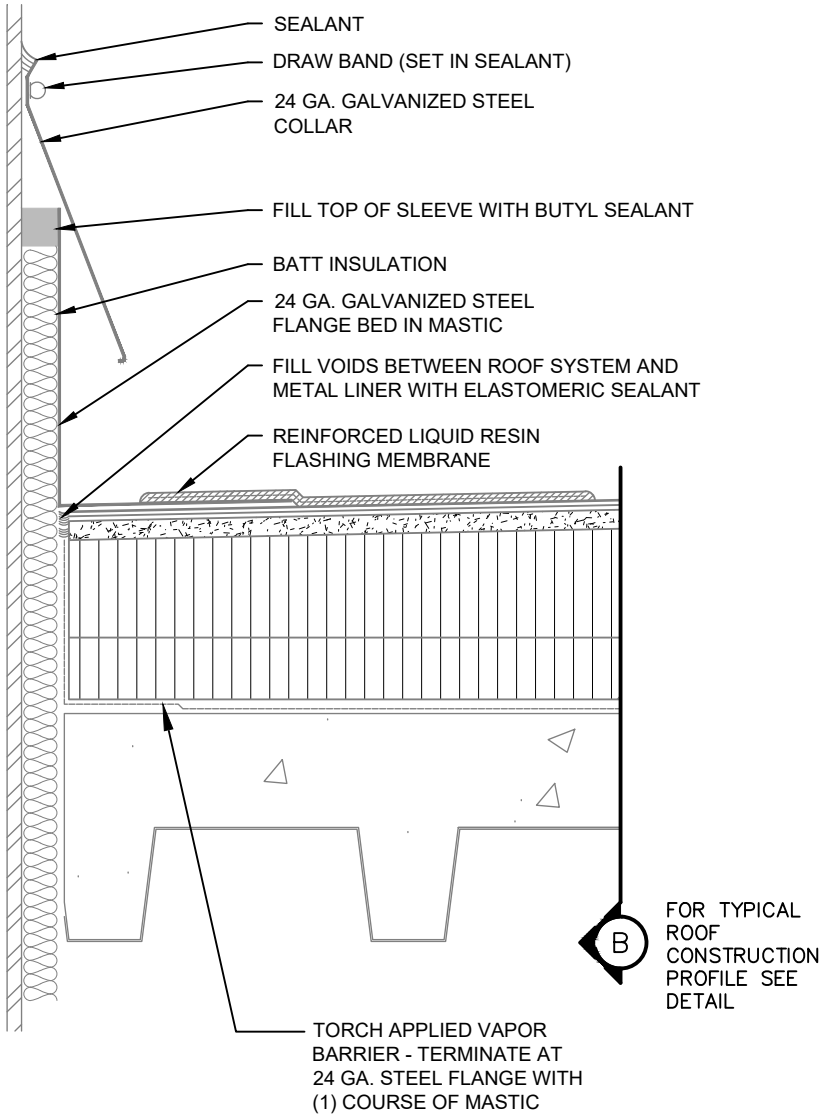
AS-BUILT

CAD FILE: MCCORMICK–1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597–5338
FAX: (708) 385–1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
HVAC CURB	4/27/2016	06

AS-BUILT

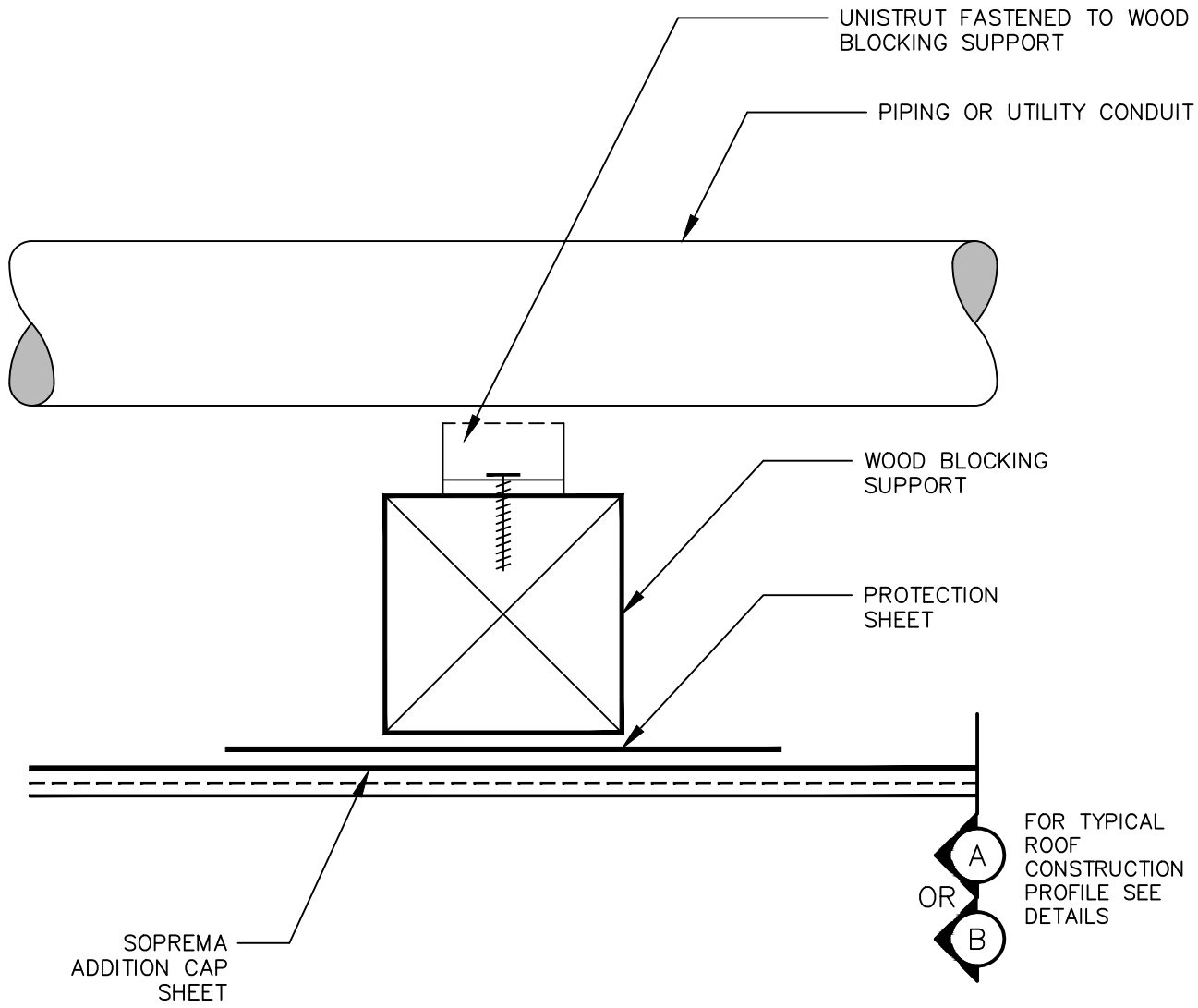


CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
FLUE VENT/HOT STACK	4/27/2016	07

AS-BUILT

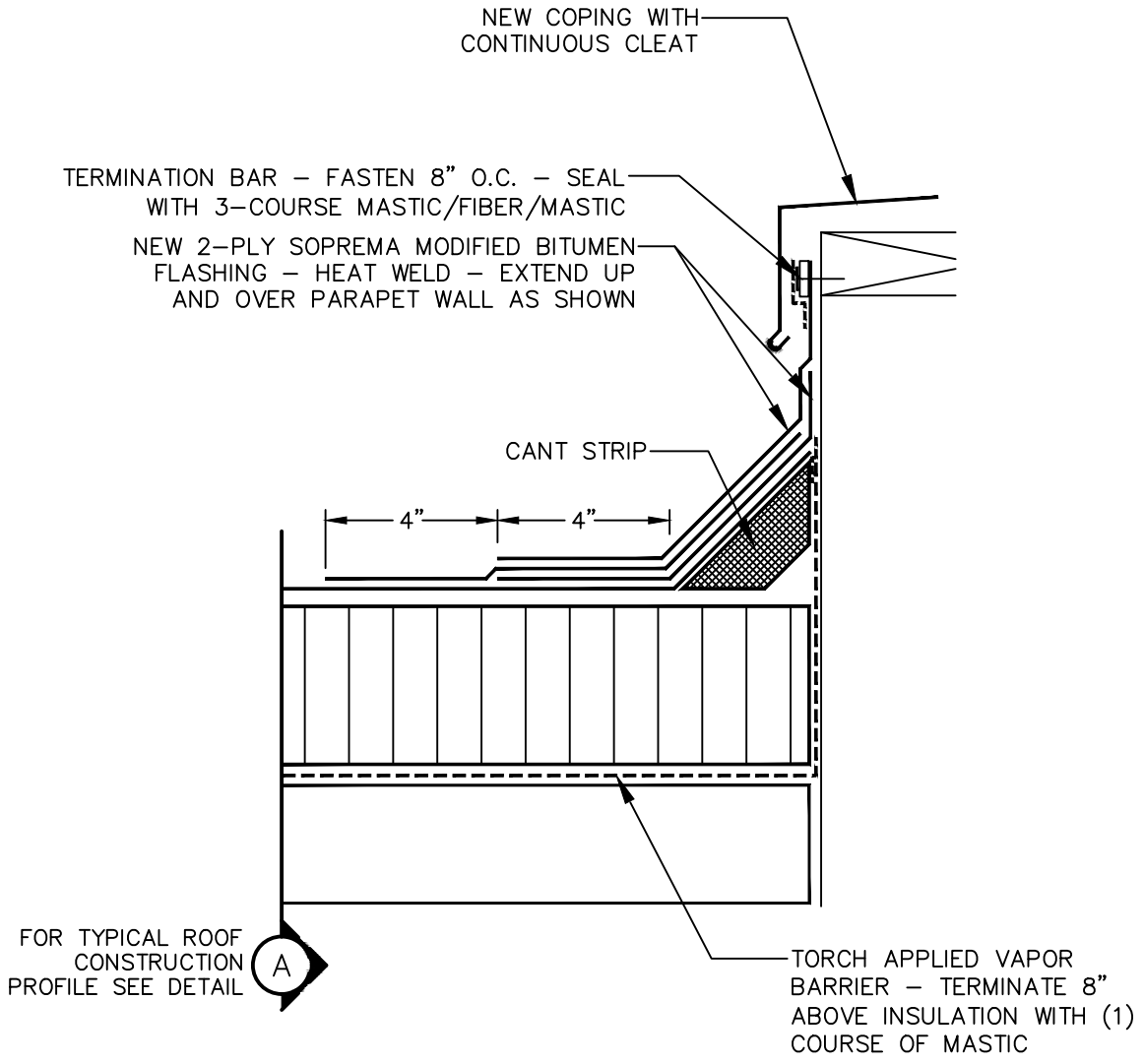


CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
PIPE SUPPORT	4/27/2016	08

AS-BUILT

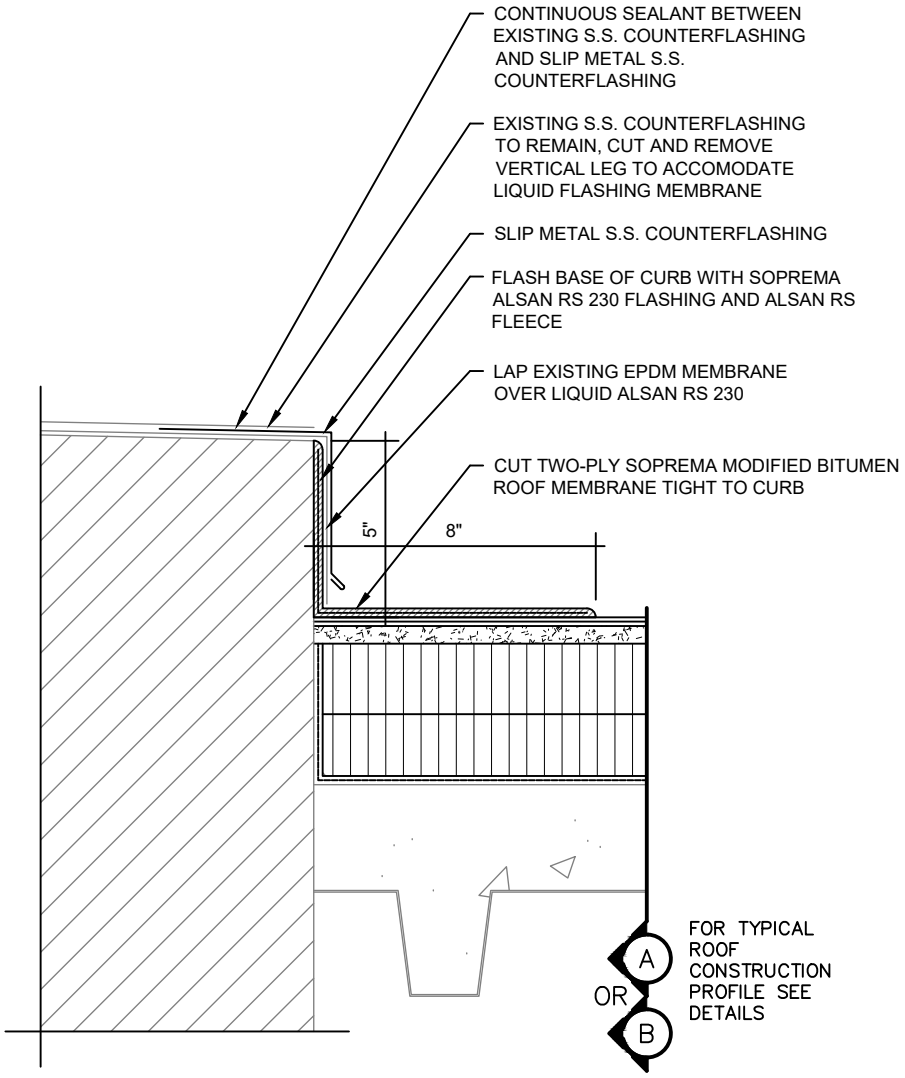


CAD FILE: MCCORMICK–1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597–5338
FAX: (708) 385–1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
COPING	4/27/2016	09

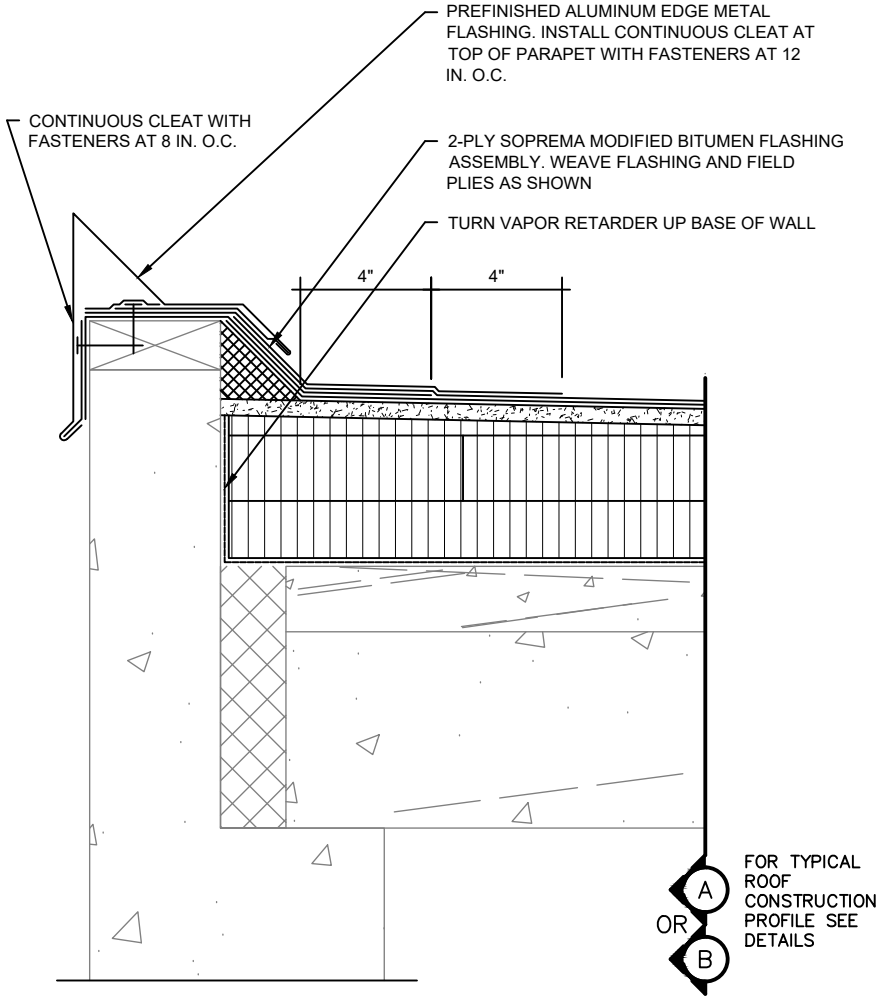
AS-BUILT



CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
LOUVERED PENTHOUSE BASE FLASHING	4/27/2016	10

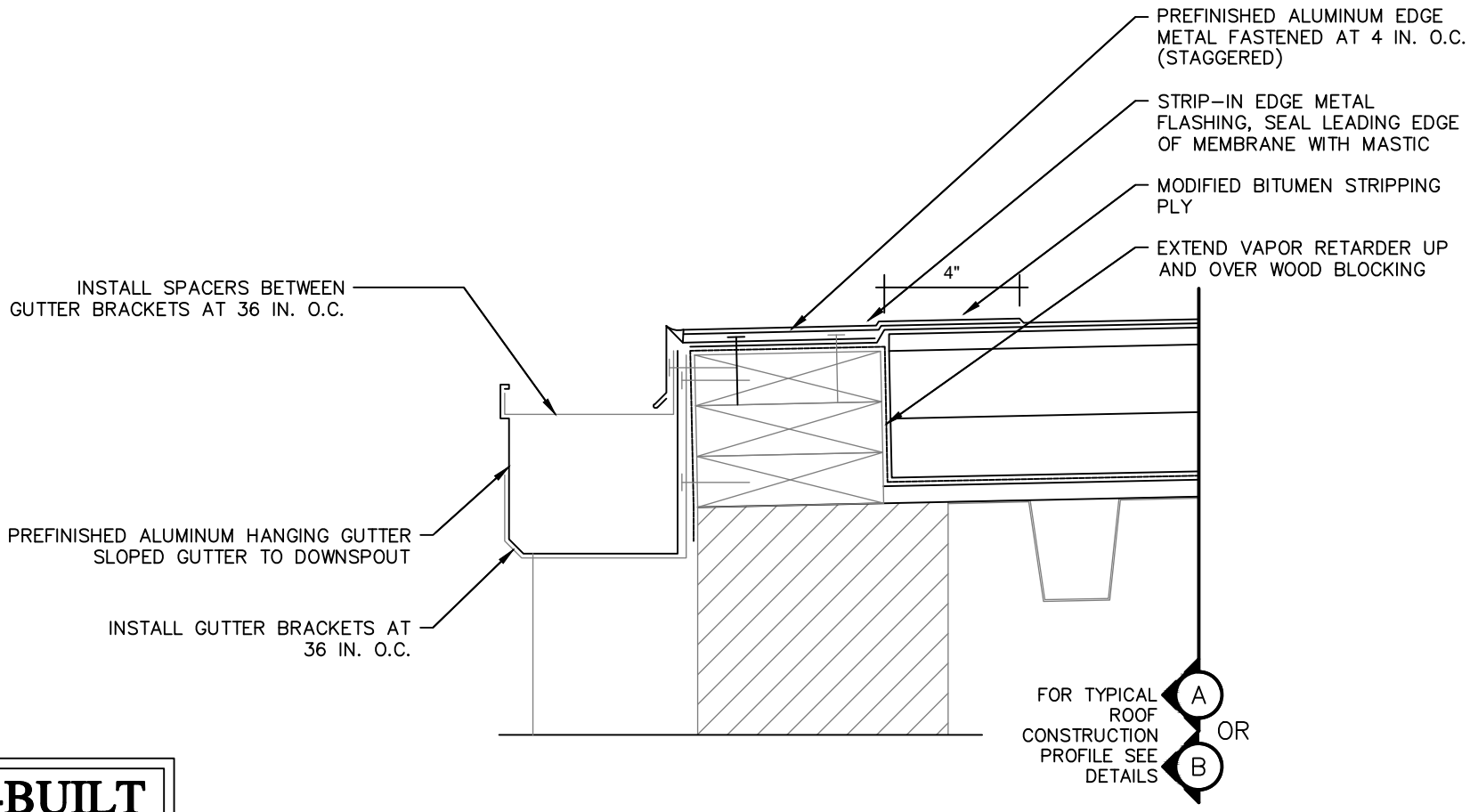


AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
PARAPET	4/27/2016	11

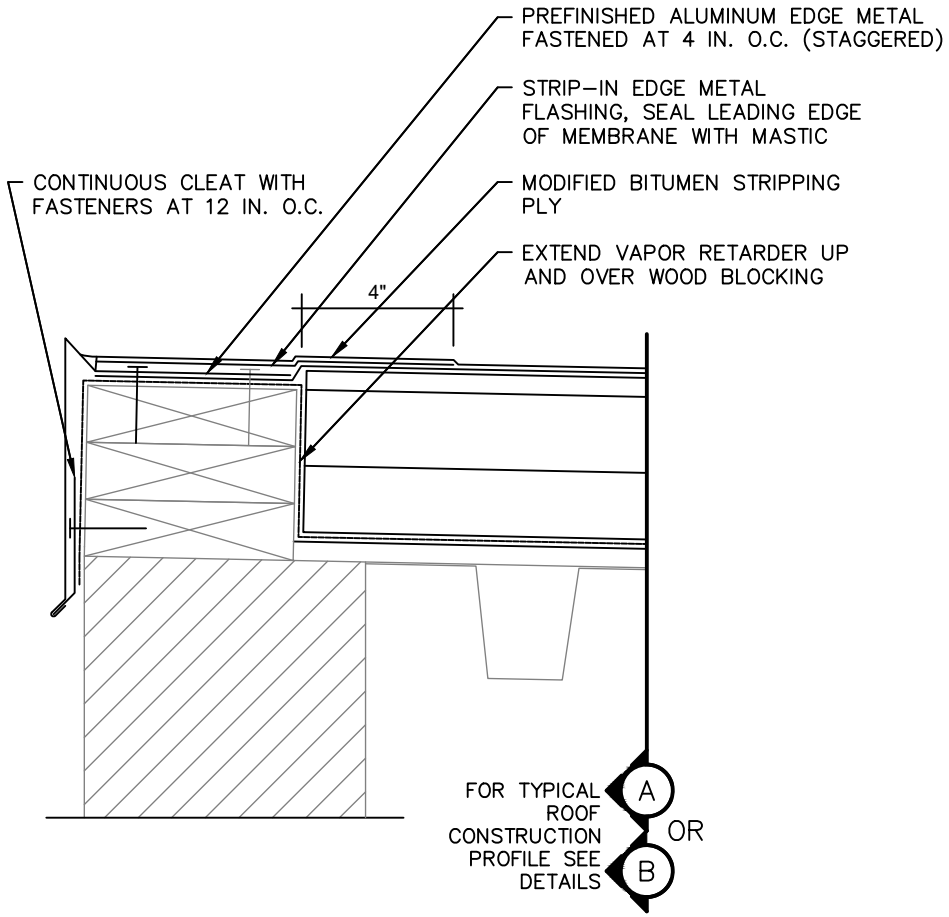


AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
HANGING GUTTER	4/27/2016	12

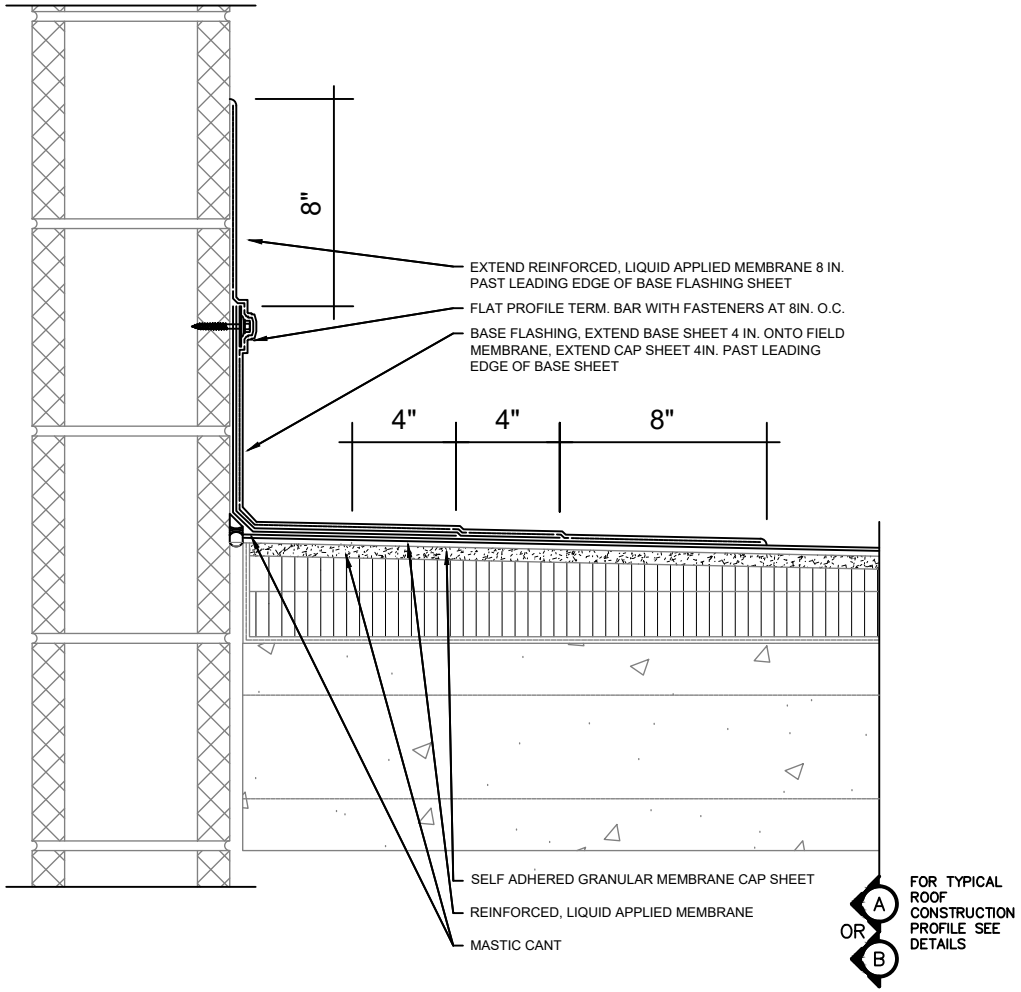


AS-BUILT

CAD FILE: MCCORMICK–1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597–5338
FAX: (708) 385–1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
ROOF EDGE	4/27/2016	13

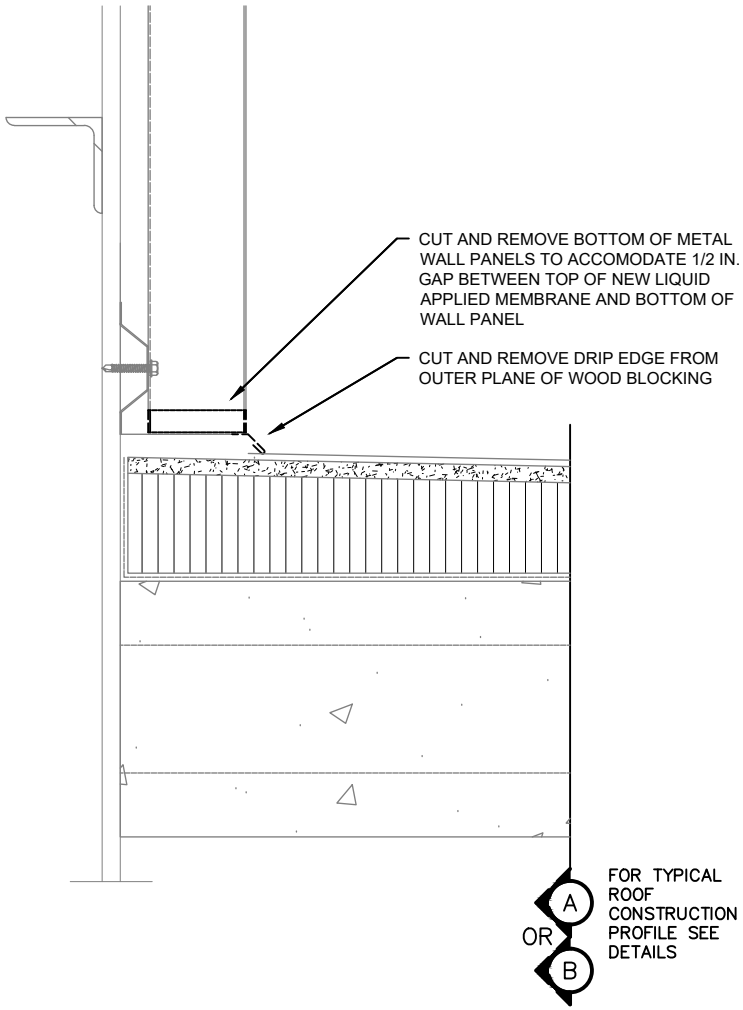


AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME: MCCORMICK PROJECT CHICAGO, IL	DRAWN BY: MER	SCALE: N.T.S.
TITLE: BASE FLASHING AT EAST WALL (GAS COMP. ROOM)	DATE: 4/27/2016	DRAWING No. 14

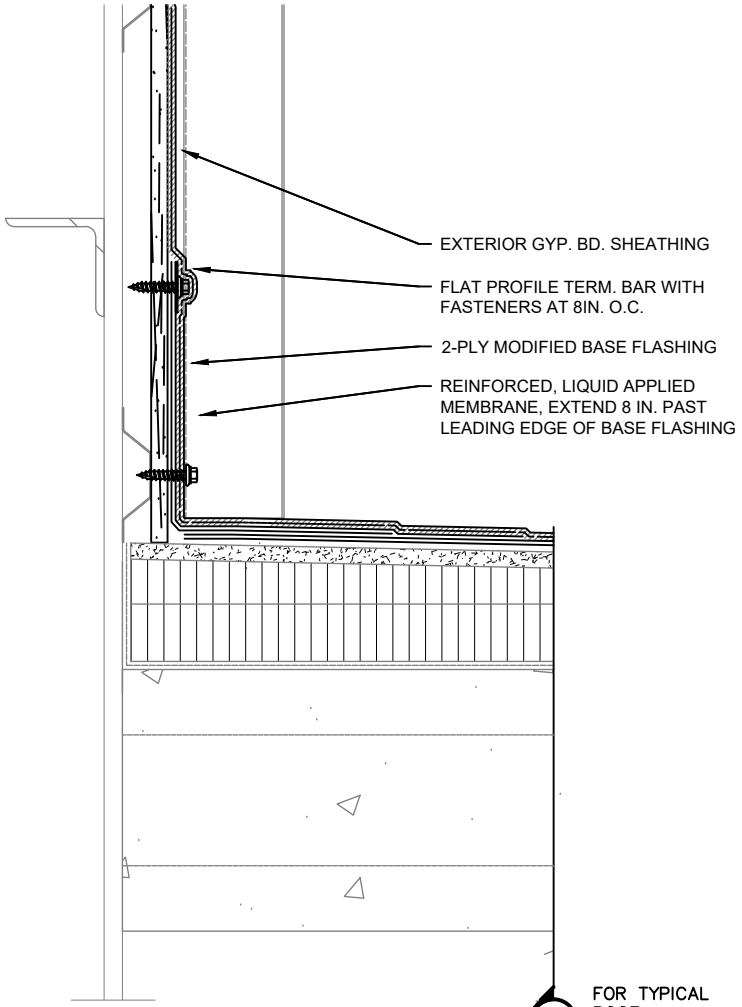


AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
BASE FLASHING DEMO AT WEST WALL (GAS COMP. ROOM)	4/27/2016	15



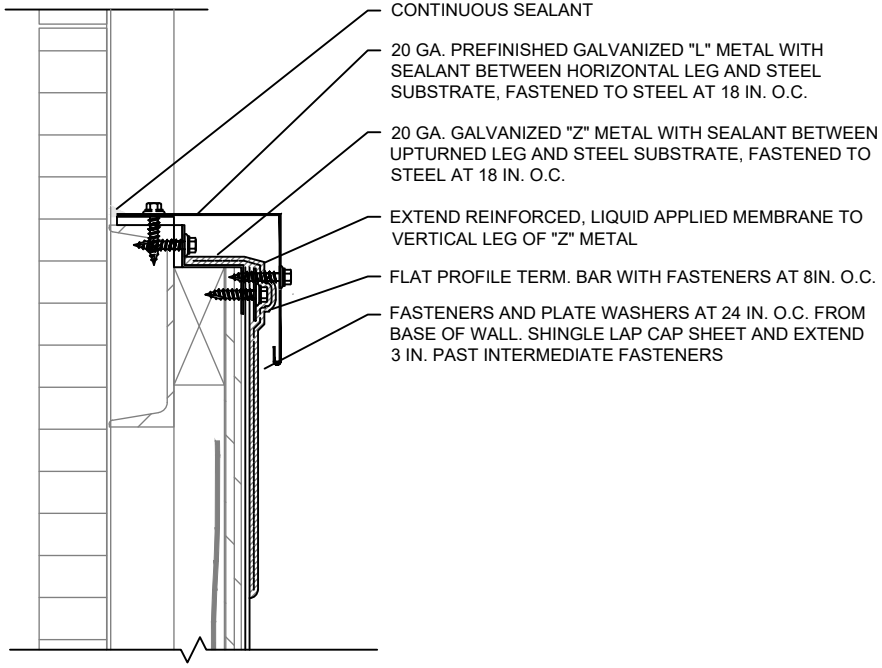
A OR B — FOR TYPICAL ROOF CONSTRUCTION PROFILE SEE DETAILS

AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
BASE FLASHING DEMO AT WEST WALL (GAS COMP. ROOM)	4/27/2016	16



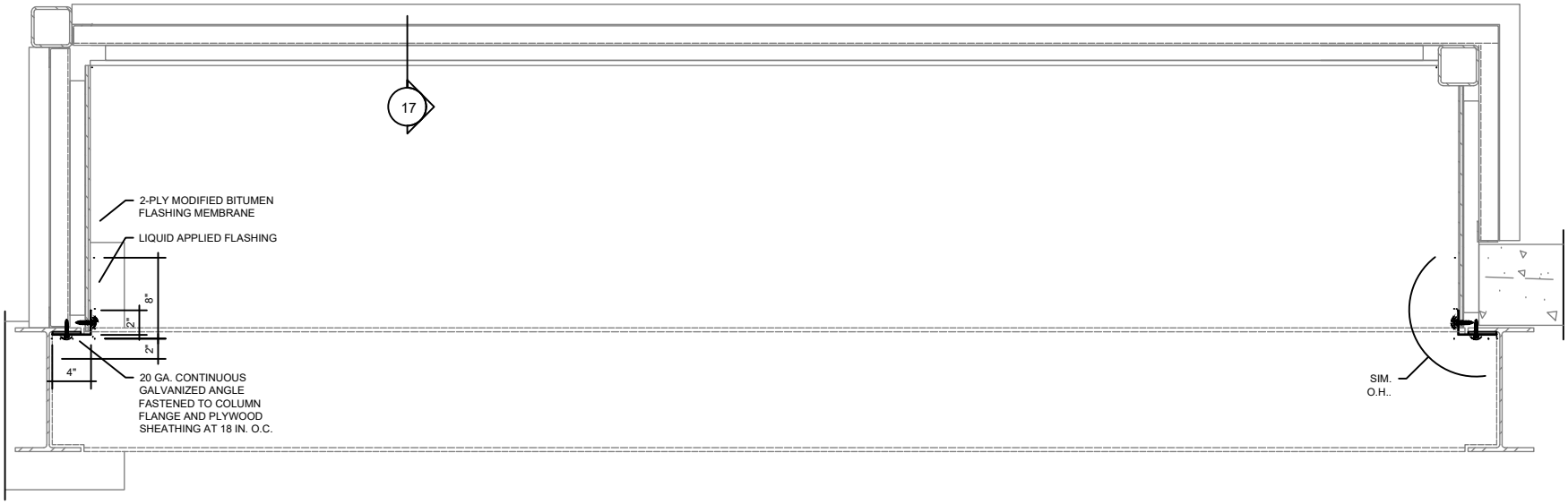
AS-BUILT

CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
ROOFING TERMINATION AT TOP OF WALL (NW CORNER OF MAIN ROOF)	4/27/2016	17

AS-BUILT

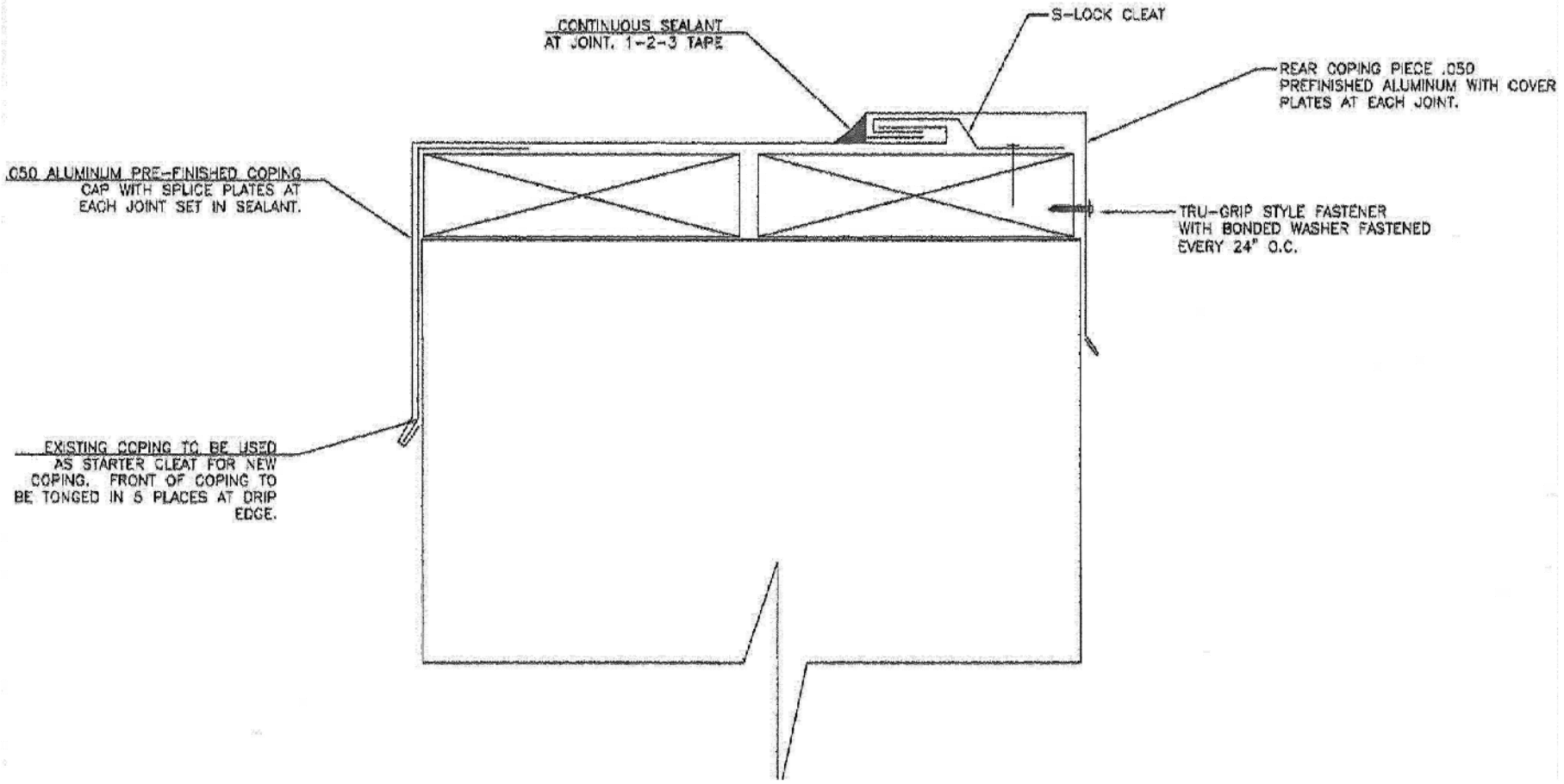


CAD FILE: MCCORMICK-1

F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
PARTIAL ENLARGED PLAN (NW CORNER OF MAIN ROOF)	4/27/2016	18

AS-BUILT



CAD FILE: MCCORMICK-1

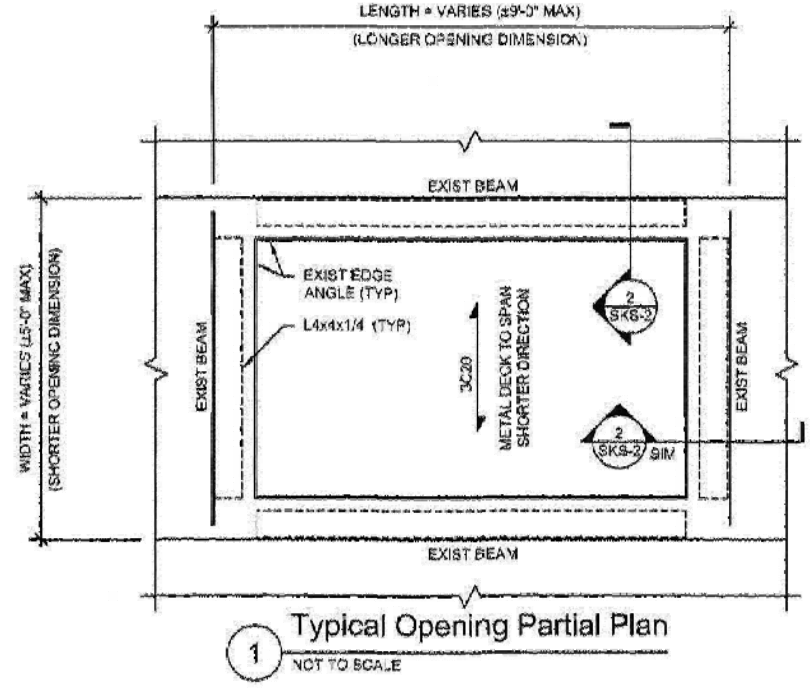
F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:		DRAWN BY:	SCALE:
	MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:		DATE:	DRAWING No.
	COPING AT ENERGY CENTER	4/27/2016	19

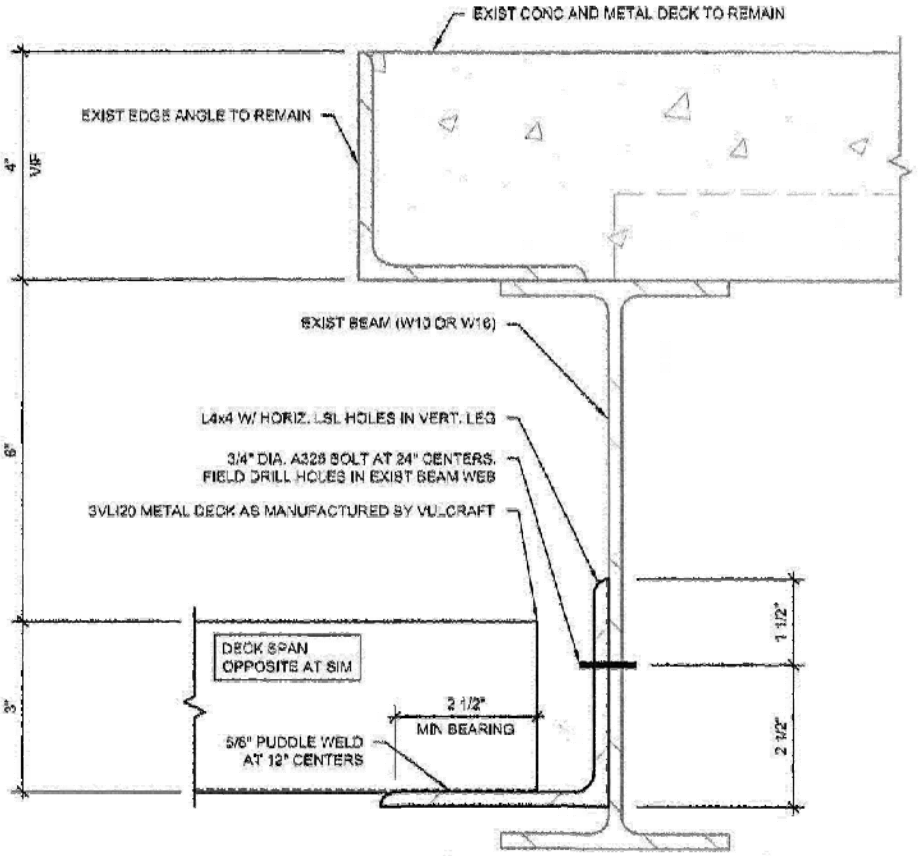
AS-BUILT

STRUCTURAL STEEL NOTES

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH THE PROVISIONS OF "THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), "STEEL CONSTRUCTION MANUAL" 14TH EDITION, "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" CURRENT EDITION, AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," CURRENT EDITION.
2. STEEL MATERIALS:
   a. ANGLES: ASTM A36
   b. FINISH: SHOP PRIMED FOR PROTECTED, INTERIOR CONDITIONS.
3. BOLTS: ASTM A325, 3/4-INCH MIN DIAMETER. ALL H.S. HIGH-STRENGTH BOLTING SHALL BE DONE IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS" AS PREPARED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
4. WELDS: WELDING SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" AS PREPARED BY THE AMERICAN WELDING SOCIETY.
   a. ALL WELD PROCEDURES SHALL BE PREQUALIFIED AND ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS ONLY.
   b. INSPECTION OF WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1.
5. METAL DECK: 3C20 AS MANUFACTURED BY VULCRAFT
   a. INSTALL EACH DECK UNIT ON A SUPPORTING STRUCTURAL FRAME, ADJUST TO FINAL POSITION WITH ACCURATELY ALIGNED SIDE LAPS AND ENDS BEARING ON SUPPORTING MEMBERS.
   b. DECK UNITS SHALL BE ANCHORED TO SUPPORTING MEMBERS BY WELDING. THIS SHALL BE DONE IMMEDIATELY AFTER ALIGNMENT.
   c. WELDING OF DECK SHALL BE IN CONFORMANCE WITH ANSI/AWS D1.3, STRUCTURAL WELDING CODE - SHEET STEEL.
   d. A MINIMUM VISIBLE 5/8-INCH DIAMETER PUDDLE WELD OR EQUIVALENT IS REQUIRED AT ALL RIBS AT SUPPORTED ENDS OF DECK. THE MAXIMUM AVERAGE SPACING OF WELDS SHALL BE 12 INCHES. THE MAXIMUM SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL BE 18 INCHES.
   e. SIDE LAPS AND PERIMETER EDGES (AT PERIMETER SUPPORT STEEL) SHALL BE ATTACHED AT MID-SPAN, OR 36-INCH INTERVALS, WHICHEVER IS SMALLER.



1 Typical Opening Partial Plan
NOT TO SCALE



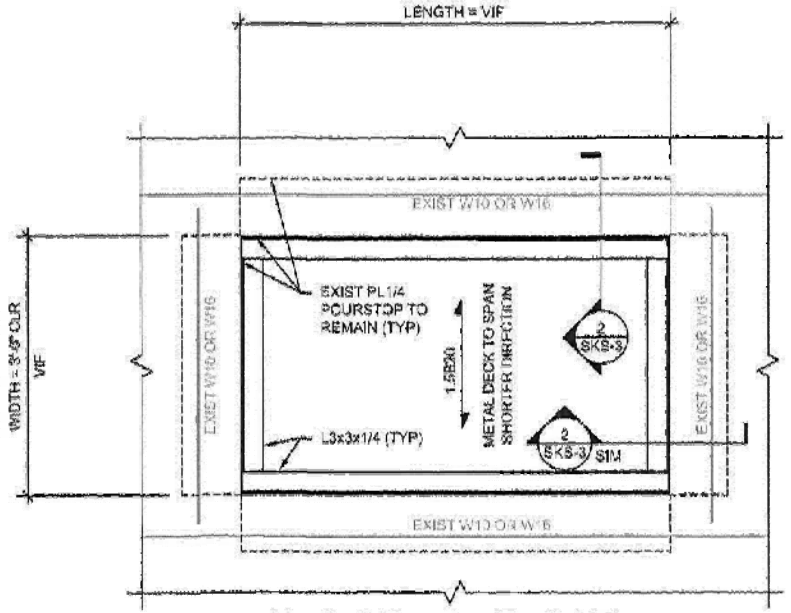
2 Section
SCALE: 6" = 1'-0"

CAD FILE: MCCORMICK-1

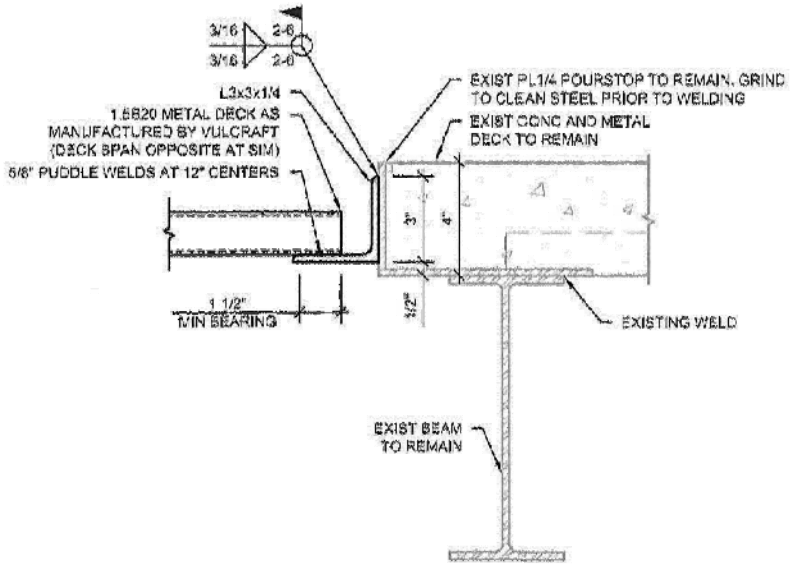
F & G ROOFING COMPANY, LLC.
4234 W. 124th PLACE
ALSIP, IL 60803
PH: (708) 597-5338
FAX: (708) 385-1107

PROJECT NAME:	DRAWN BY:	SCALE:
MCCORMICK PROJECT CHICAGO, IL	MER	N.T.S.
TITLE:	**DATE:**	**DRAWING No.**
TYP. OPENING DETAILS	4/27/2016	20

AS-BUILT



1 Typical Opening Partial Plan
NOT TO SCALE



2 Section
SCALE: 3" = 1'-0"

NOTE: EXISTING WELDS TO BE VERIFIED BY CONTRACTOR IN FIELD PRIOR TO INSTALLATION OF NEW COMPONENTS. CONTRACTOR TO NOTIFY ARCHITECT IN WRITING OF FIELD CONDITIONS THAT VARY FROM THIS DETAIL.

STRUCTURAL STEEL NOTES

1. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH THE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), "STEEL CONSTRUCTION MANUAL," 14TH EDITION, "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS," CURRENT EDITION, AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," CURRENT EDITION.
2. STEEL MATERIALS:
   a. ANGLES: ASTM A36
   b. FINISHES: SHOP PRIMED FOR PROTECTED, INTERIOR CONDITIONS.
3. WELDS: WELDING SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1 "STRUCTURAL WELDING CODE - STEEL" AS PREPARED BY THE AMERICAN WELDING SOCIETY.
   a. ALL WELD PROCEDURES SHALL BE PREQUALIFIED AND ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS ONLY.
   b. FILLET WELDS: 5/16-INCH MIN. SIZE. FILLER METAL SHALL BE LOW HYDROGEN ELECTRODES WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70 KSI.
   c. INSPECTION OF WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1.
4. METAL DECK: 3032 AS MANUFACTURED BY VULCRAFT
   a. INSTALL EACH DECK UNIT ON A SUPPORTING STRUCTURAL FRAME, ADJUST TO FINAL POSITION WITH ACCURATELY ALIGNED SIDE LAPS AND ENDS BEARING ON SUPPORTING MEMBERS.
   b. DECK UNITS SHALL BE ANCHORED TO SUPPORTING MEMBERS BY WELDING. THIS SHALL BE DONE IMMEDIATELY AFTER ALIGNMENT.
   c. WELDING OF DECK SHALL BE IN CONFORMANCE WITH AWS/ANSI D1.3, STRUCTURAL WELDING CODE - SHEET STEEL.
   d. A MINIMUM 1/36 SLB (36-INCH DIAMETER PUDDLE WELD OR EQUIVALENT IS REQUIRED AT ALL RIBS AT SUPPORTED ENDS OF DECK. THE MAXIMUM AVERAGE SPACING OF WELDS SHALL BE 12 INCHES. THE MAXIMUM SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL BE 18 INCHES.
   e. SIDE LAPS AND PERIMETER EDGES (AT PERIMETER SUPPORT STEEL) SHALL BE ATTACHED AT MID-SPAN, OR 36-INCH INTERVALS, WHICHEVER IS SMALLER.

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TITLE: TYP. OPENING DETAILS		DATE: 4/27/2016	DRAWING No. 21