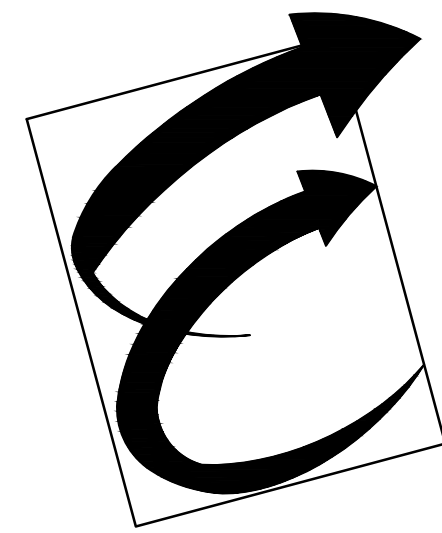


BRODERICK TOWER

10 WITHERELL

DETROIT, MICHIGAN 48226

AS BUILT WINDOW & STOREFRONT SHOP DRAWINGS



Environmental Glass, Inc.
12235 Stark Road
Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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DRAWINGS PREPARED BY:



Charrette Studios, Inc.
23581 Donaldson St.
Clinton Township, MI. 48035
(586) 790-4329
(586) 790-4346 (fx)

Revision or Issue:		
No.	Date	Subject
1	08-12-11	First Submittal
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
**Broderick Tower
Redevelopment
Project**
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:			

DRAWING TITLE:
GENERAL NOTES

SCALE: NOT TO SCALE

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:
C1
35

ARCHITECT

KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR

JC BEAL CONSTRUCTION INC.
277 GRATIOT AVE. SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

ABBREVIATIONS

R.O.	=	ROUGH OPENING	A.D.	=	ASSEMBLED DIMENSION
M.O.	=	MASONRY OPENING	REF.	=	REFERENCE
F.S.	=	FRAME SIZE	F.F.	=	FINISH FLOOR
D.L.O.	=	DAY LIGHT OPENING	G.C.	=	GENERAL CONTRACTOR
D.O.	=	DOOR OPENING	N.T.S.	=	NOT TO SCALE
W.M.	=	WINDOW MAKE	CL	=	CENTER LINE
V.I.F.	=	VERIFY IN FIELD			

DIMENSION VERIFICATION

- ☐ FIELD VERIFY ALL DIMENSIONS
- ☐ GENERAL CONTRACTOR TO HOLD ALL DIMENSIONS AS SHOWN HEREIN

SIGNED

DATE

INSTALLATION NOTES:

- ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO ANY FABRICATION OR INSTALLATION OF CURTAIN WALL, STOREFRONT AND OR WINDOW SYSTEMS, UNLESS GUARANTEED BY THE GENERAL CONTRACTOR.
- FASTENER TYPES SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. ACTUAL FASTENER TYPES MAY VARY DUE TO FIELD CONDITIONS AS PROFESSIONALLY DETERMINED BY THE GLAZING CONTRACTOR.
- SEE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR FURTHER INFORMATION CONCERNING BOTH INSTALLATION AND FABRICATION.

SHEET INDEX

C1	GENERAL NOTES	E3	33 & 34 FLRS ELEVATION
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BE2	BUILDING ELEVATIONS	E5	33 & 34 FLRS ELEVATION
F1	FLOOR PLANS	D1	33 & 34 FLRS DETAILS
F2	FLOOR PLANS	D2	33 & 34 FLRS DETAILS
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F7	FLOOR PLANS	D7	33 & 34 FLRS DETAILS
E1	1ST & MEZZ ELEVATION	D8	33 & 34 FLRS DETAILS
D1	1ST & MEZZ DETAILS		
D2	1ST & MEZZ DETAILS		
D3	1ST & MEZZ DETAILS		
E1	2, 3 & 4 FLR ELEVATION		
D1	2, 3 & 4 FLR DETAILS		
D2	2, 3 & 4 FLR DETAILS		
D3	2, 3 & 4 FLR DETAILS		
E1	5 - 32 FLRS ELEVATION		
D1	5 - 32 FLRS DETAILS		
D2	5 - 32 FLRS DETAILS		
D3	5 - 32 FLRS DETAILS		
E1	33 & 34 FLRS ELEVATION		
E2	33 & 34 FLRS ELEVATION		

SPECIFICATIONS OF ITEMS FURNISHED BY GLAZING CONTRACTOR:

FLOORS 1 & MEZZANINE
WINDOW FRAMING TO BE:
PEERLESS 4160 FIXED SERIES

FINISH TO BE:
AAMA 2605 EARTHEN GOLD UC106716LB WITH CLEAR COAT @ 1ST FLR.
CLASS I - MEDIUM BRONZE ANODIZED AN312

PERIMETER CAULKING BY GLAZING CONTRACTOR

GLASS TO BE:

 1" INSULATED
1/4" CLEAR TEMPERED
1/2" AIR SPACE - WITH LIGHT GRAY WARM EDGE
1/4" PPG SUNGATE 500 LOW-E #3 TEMPERED

NOTE: ANY EXTERIOR OR INTERIOR WORK I.E.
PAINTING, RESTORATION, CASING TRIM BY OTHERS

FLOORS 5 - 32
WINDOW FRAMING TO BE:
TRACO TR-9700 SERIES BEVELED SINGLE HUNG - NO SCREENS
TRACO TR-7900 SERIES FIXED


WINDOW FINISH TO BE:
CLASS I - MEDIUM BRONZE ANODIZED AN312

WINDOW HARDWARE TO BE:
TR-9700 SERIES TO RECEIVE THE FOLLOWING:
- ALUMINUM AUTOMATIC SILL LOCKS
- BLOCK & TACKLE BALANCES
- 4" CLEAR OPENING LIMITS

PERIMETER CAULKING BY GLAZING CONTRACTOR

GLASS TO BE:

 3/4" INSULATED @ TR-9700 SERIES
1/8" CLEAR TEMPERED
1/2" AIR SPACE - WITH BLACK TPS NEXGEN SPACER
1/8" CLEAR AFG LOW-E #3 TEMPERED


 11/16" INSULATED @ TR-7900 SERIES
1/8" CLEAR TEMPERED
7/16" AIR SPACE - WITH BLACK TPS NEXGEN SPACER
1/8" CLEAR AFG LOW-E #3 TEMPERED

FLOORS 2, 3 & 4
WINDOW FRAMING TO BE:
PEERLESS 4160 FIXED SERIES
PEERLESS 416A OFFSET FIXED SERIES

FINISH TO BE:
CLASS I - MEDIUM BRONZE ANODIZED AN312

PERIMETER CAULKING BY GLAZING CONTRACTOR

GLASS TO BE:

 1" INSULATED
1/4" CLEAR TEMPERED
1/2" AIR SPACE - WITH STANDARD SPACER
1/4" CLEAR HARDCOAT #3 TEMPERED

NOTE: ANY EXTERIOR OR INTERIOR WORK I.E.
PAINTING, RESTORATION, CASING TRIM BY OTHERS

FLOORS 33 & 34
WINDOW FRAMING TO BE:
TRACO TR-9700 SERIES BEVELED SINGLE HUNG - NO SCREENS
TRACO TR-7900 SERIES FIXED

TRACO / TUBELITE FINISH TO BE:
CLASS I - MEDIUM BRONZE ANODIZED AN312

WINDOW HARDWARE TO BE:
TR-9700 SERIES TO RECEIVE THE FOLLOWING:
- ALUMINUM AUTOMATIC SILL LOCKS
- BLOCK & TACKLE BALANCES
- 4" CLEAR OPENING LIMITS

FRAMING TO BE:
TUBELITE T14000 SERIES 2" X 4 1/2"

DOORS TO BE:
TUBELITE NARROW STILE DOORS WITH 10" BOTTOM RAILS

HARDWARE TO BE:			
EACH ASSEMBLY TO HAVE			
(2) EA. CONTINUOUS GEAR HINGE	SL11-HD 83" (MEDIUM BRONZE ANODIZED)	SPL	SEL
(1) EA. HD THRESH BOLT	4015-18-1B	603	ADA
(1) EA. HVV DUTY - LOCK	MS1851SW-350	710	ADA
(1) EA. CYL THUMBTURN	4066	710	ADA
(1) EA. IC - CONSTR CORE	80-035	GRN	SCH
(1) EA. IC - KEY CYLINDER	80-103	613	SCH
(2) EA. TAPERED PUSH & PULL SET	215BT85 16" (MEDIUM BRONZE ANODIZED)	SPL	ROC
(2) EA. VERT - ASTRAGAL	114NDKB 84"	710	NGP
(2) EA. OH SUNF HOLDER	451H	613	GLY
(1) EA. OVERHEAD - DRIP	160KB 48"	710	NGP
(1) EA. BTM DOOR SWEEP	200NDKB 22"	710	NGP
(1) EA. BUMPER - THRESH	813SNDKB 48" COPE	710	NGP


WEATHERSTRIPPING BY DOOR & FRAME MANUFACTURER
INSTALL MS1851SW LOCK BELOW TAPERED PUSH & PULL SET


PERIMETER CAULKING BY GLAZING CONTRACTOR

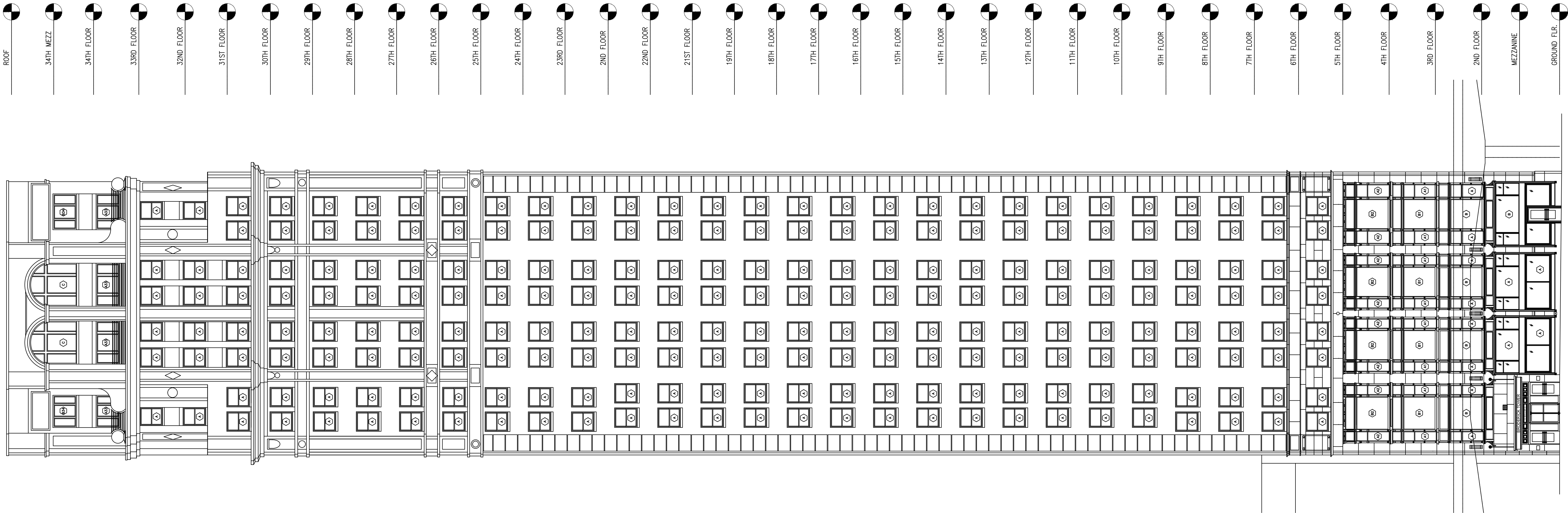
GLASS TO BE:

 3/4" INSULATED @ TR-9700 SERIES
1/8" CLEAR TEMPERED
1/2" AIR SPACE - WITH BLACK TPS NEXGEN SPACER
1/8" CLEAR AFG LOW-E #3 TEMPERED

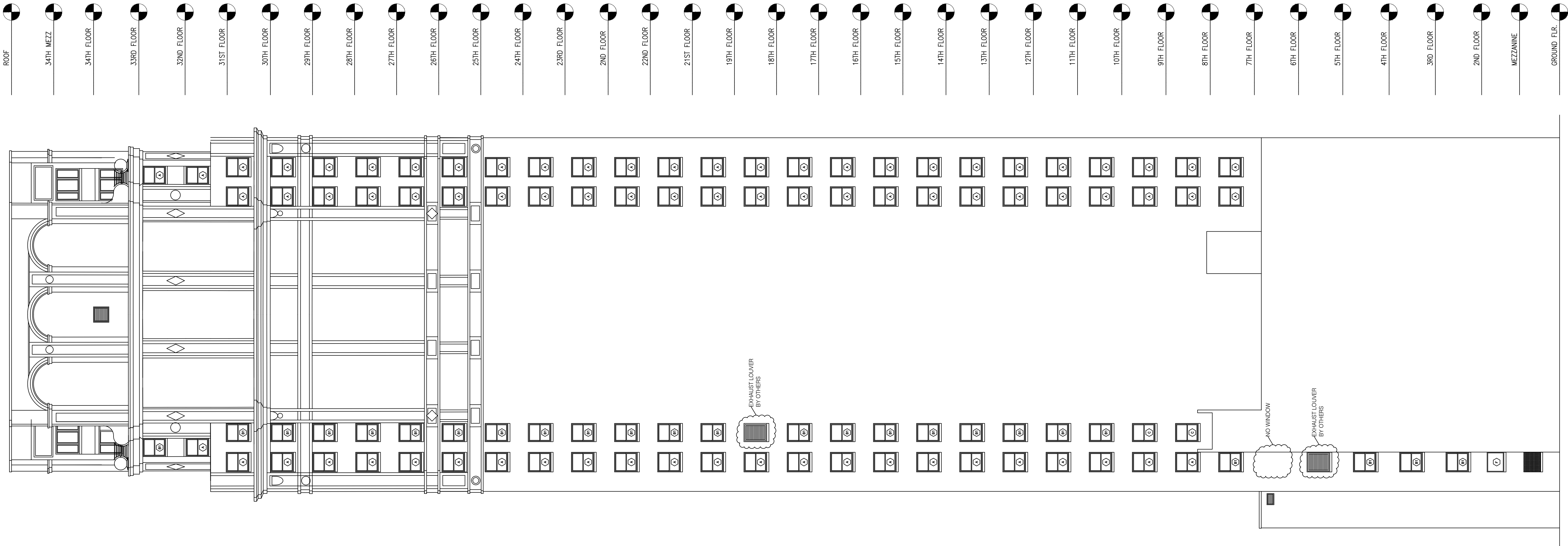
 11/16" INSULATED @ TR-7900 SERIES
1/8" CLEAR TEMPERED
7/16" AIR SPACE - WITH BLACK TPS NEXGEN SPACER
1/8" CLEAR AFG LOW-E #3 TEMPERED

 1" INSULATED @ TUBELITE DOOR & FRAMING
1/4" CLEAR TEMPERED
1/2" AIR SPACE - WITH STANDARD SPACER
1/4" CLEAR AFG LOW-E #3 TEMPERED

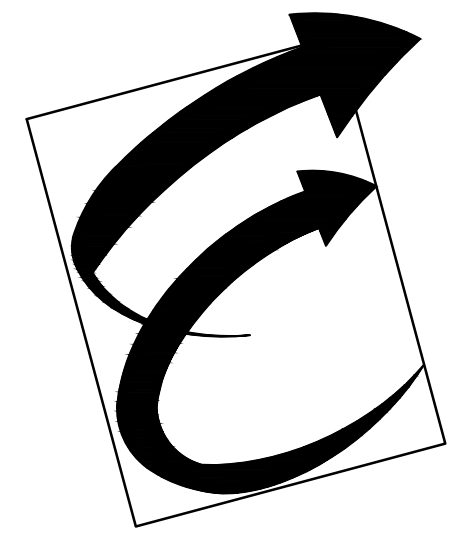
 1" PANEL INFILL
EXTERIOR: SMOOTH ALUMINUM FACE SHEET (MFR. STD. COLOR)
SUBSTRATE: COREGATED POLYALLOMER (HPDE)
CORE: STYRENE
INTERIOR: SMOOTH ALUMINUM FACE SHEET (MFR. STD. COLOR / RANDOM WHERE NOT EXPOSED)



2 NORTH ELEVATION



1 EAST ELEVATION



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DRAWINGS PREPARED BY:



Charrette Studios, Inc.
23581 Donaldson St.
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(586) 790-4346 (fx)

Revision or Issue:		
No.	Date	Subject
1	08-12-11	First Submittal
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
**Broderick Tower
Redevelopment
Project**
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

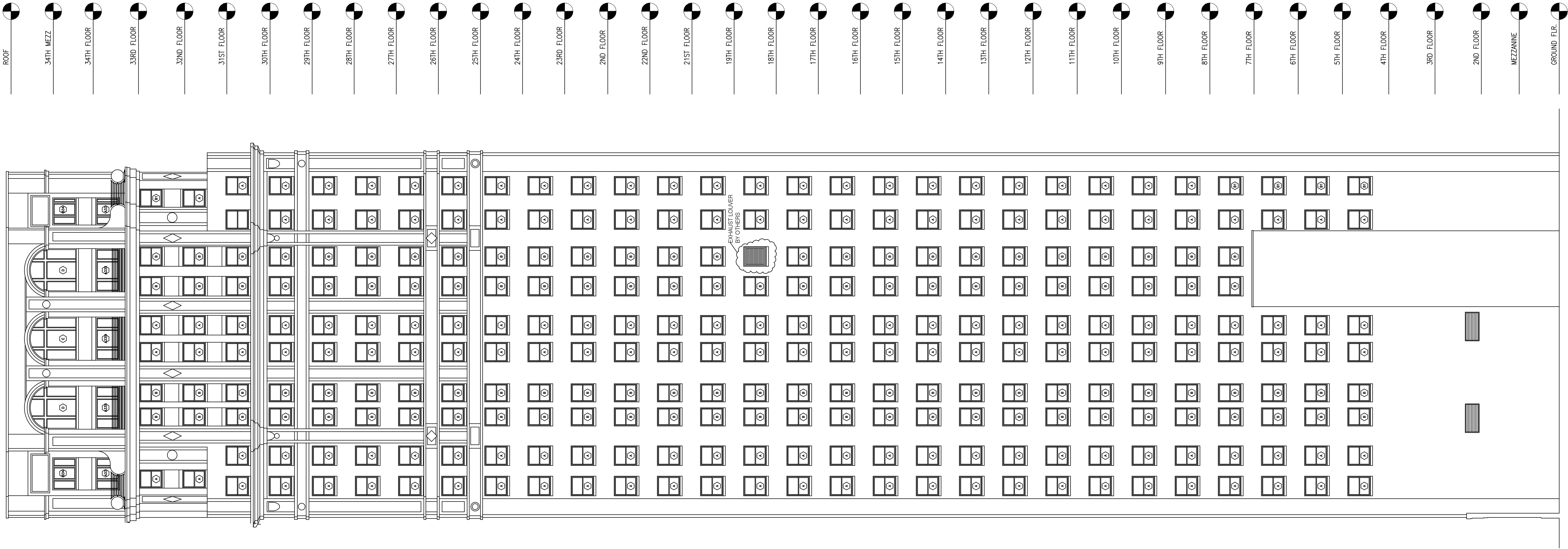
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

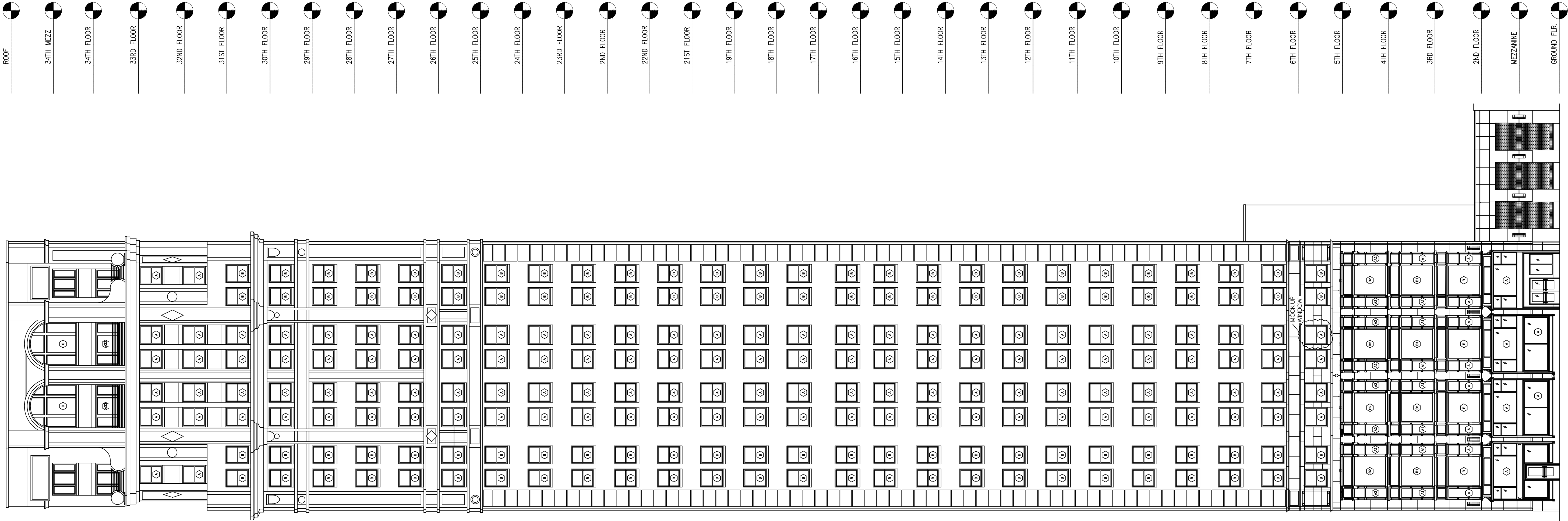
DRAWING TITLE:
**BUILDING
ELEVATIONS**

SCALE: NOT TO SCALE
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

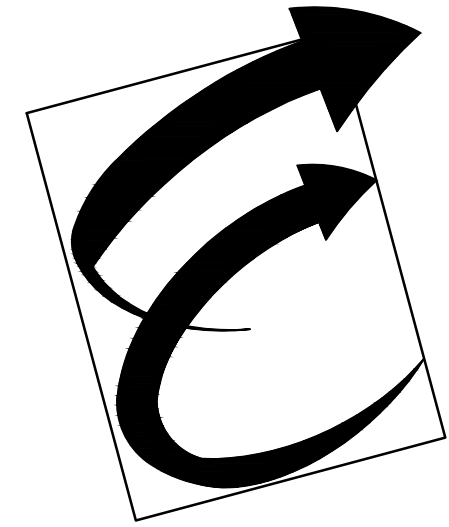
DRAWING NO:
BE1



4 SOUTH ELEVATION



3 WEST ELEVATION



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Livonia, Michigan 48150
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DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
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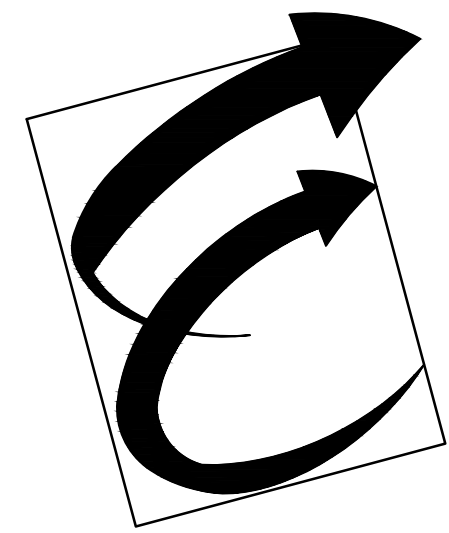
ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
**BUILDING
ELEVATIONS**

SCALE: NOT TO SCALE
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO: **BE2**



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Phone: (734) 261-1930 | Fax: (734) 261-5590

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PROJECT NAME AND LOCATION:
**Broderick Tower
Redevelopment
Project**
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48206
PH: 313-965-3399 | FAX: 313-965-3555

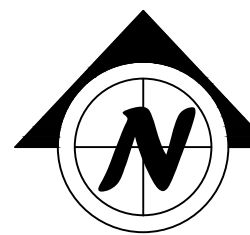
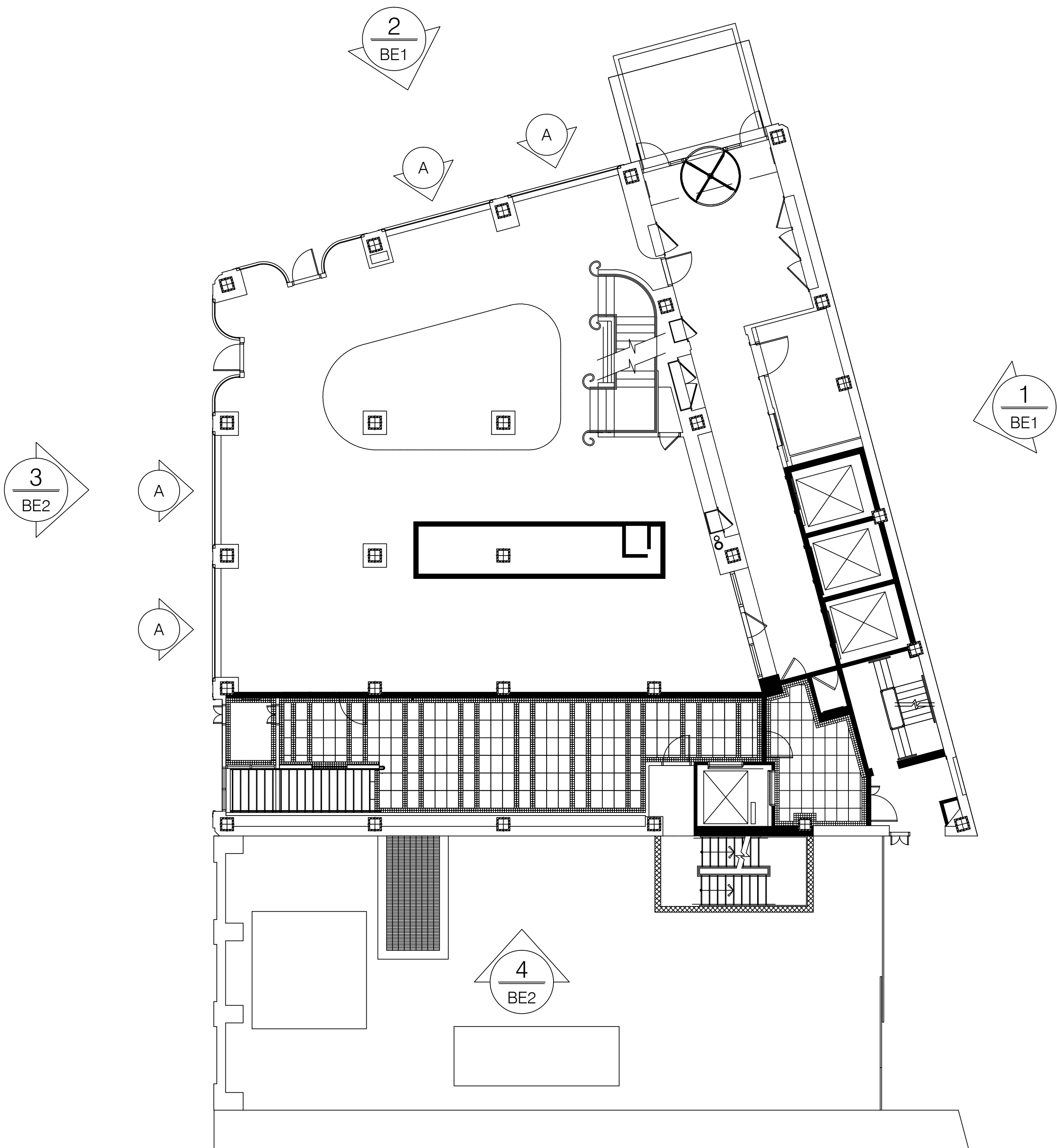
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
FLOOR PLANS

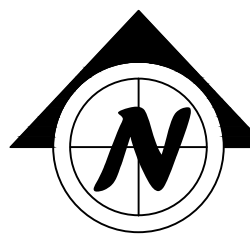
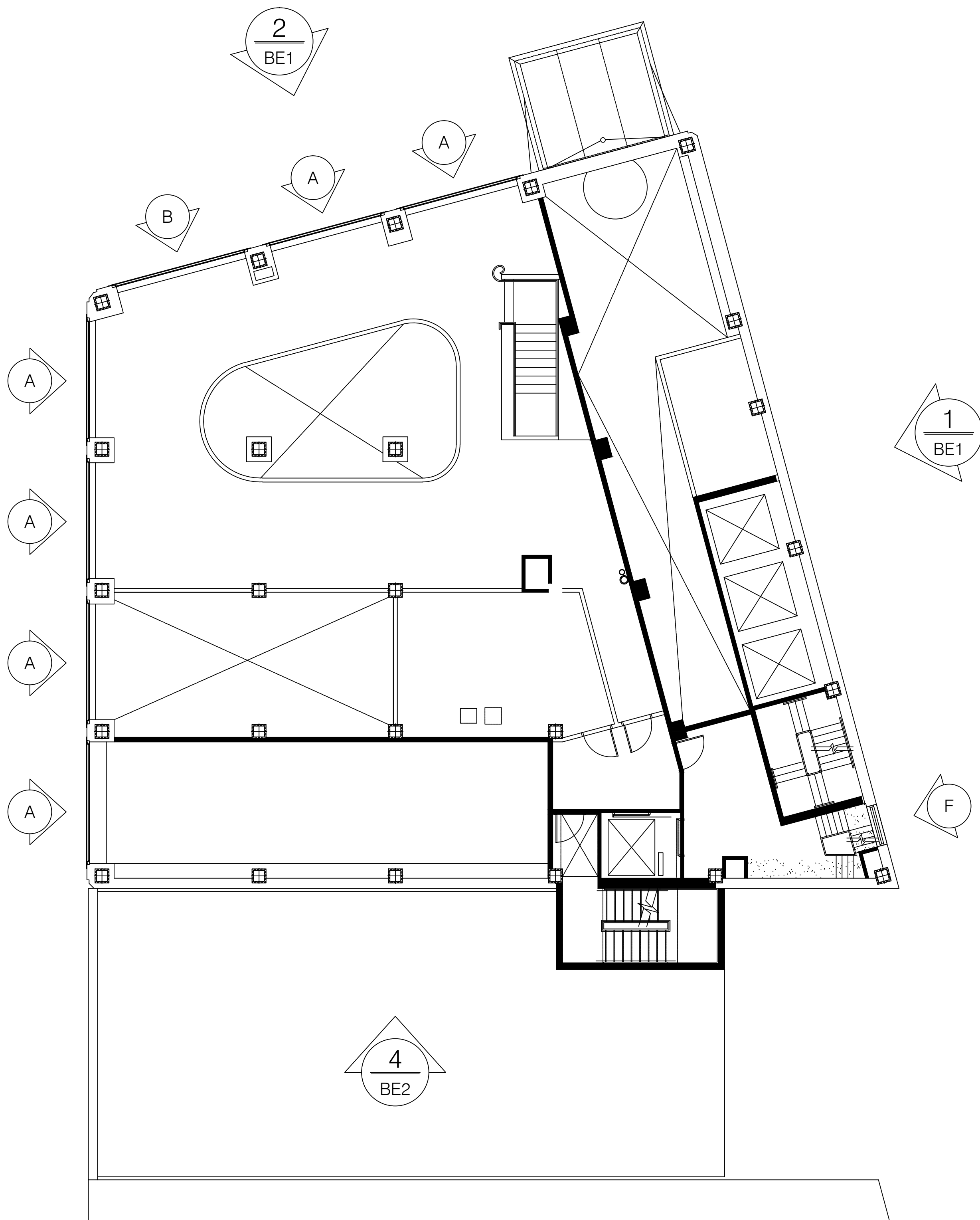
SCALE: 1/8" = 1' - 0"	
CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:
F1



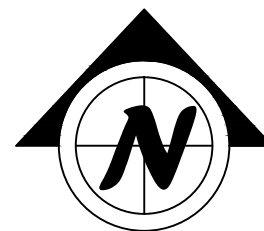
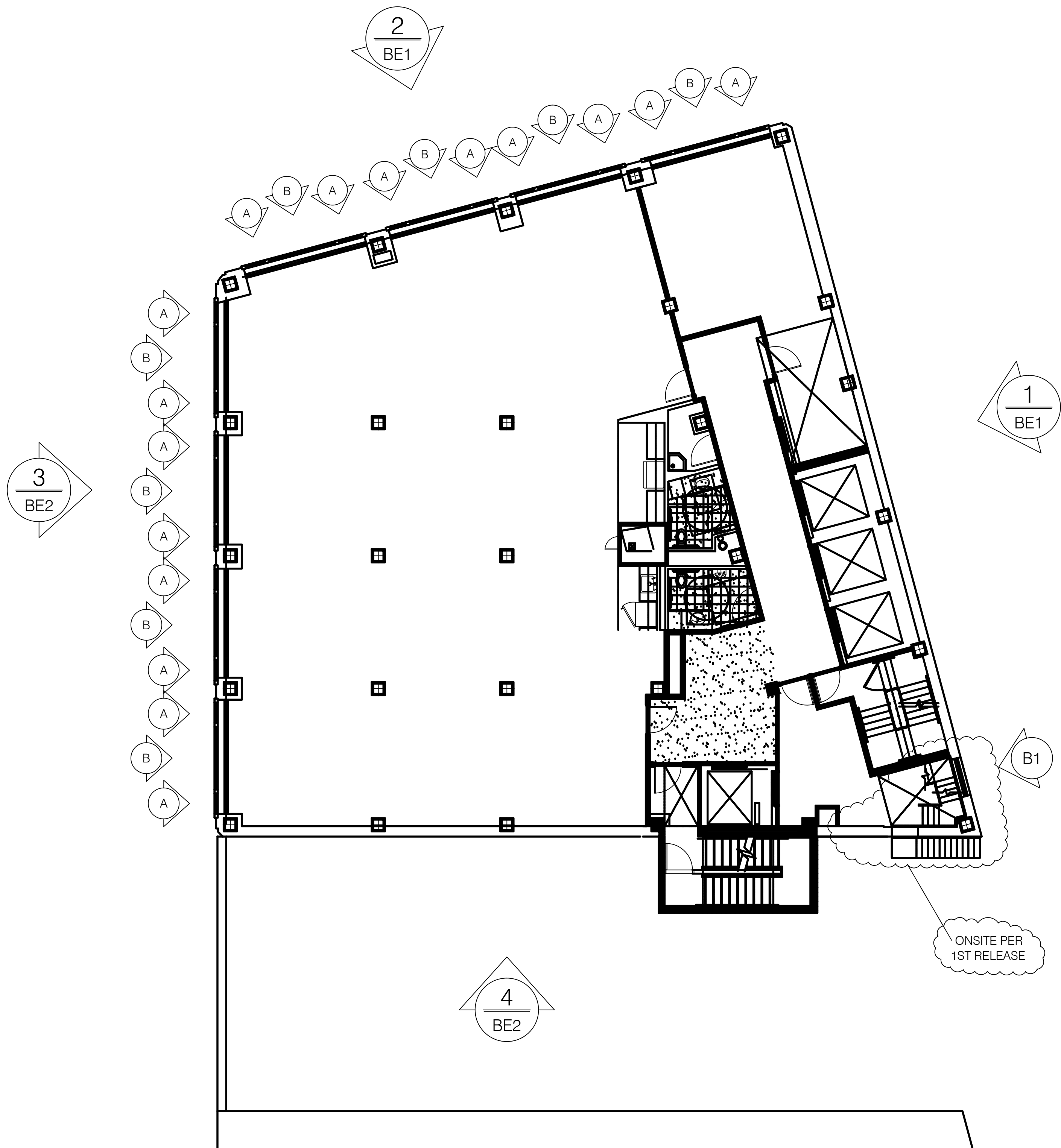
FLOOR PLAN
1ST FLOOR
ARCH REF: A103

SCALE: 1/8" = 1'-0"

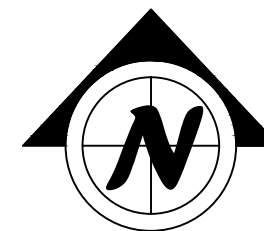
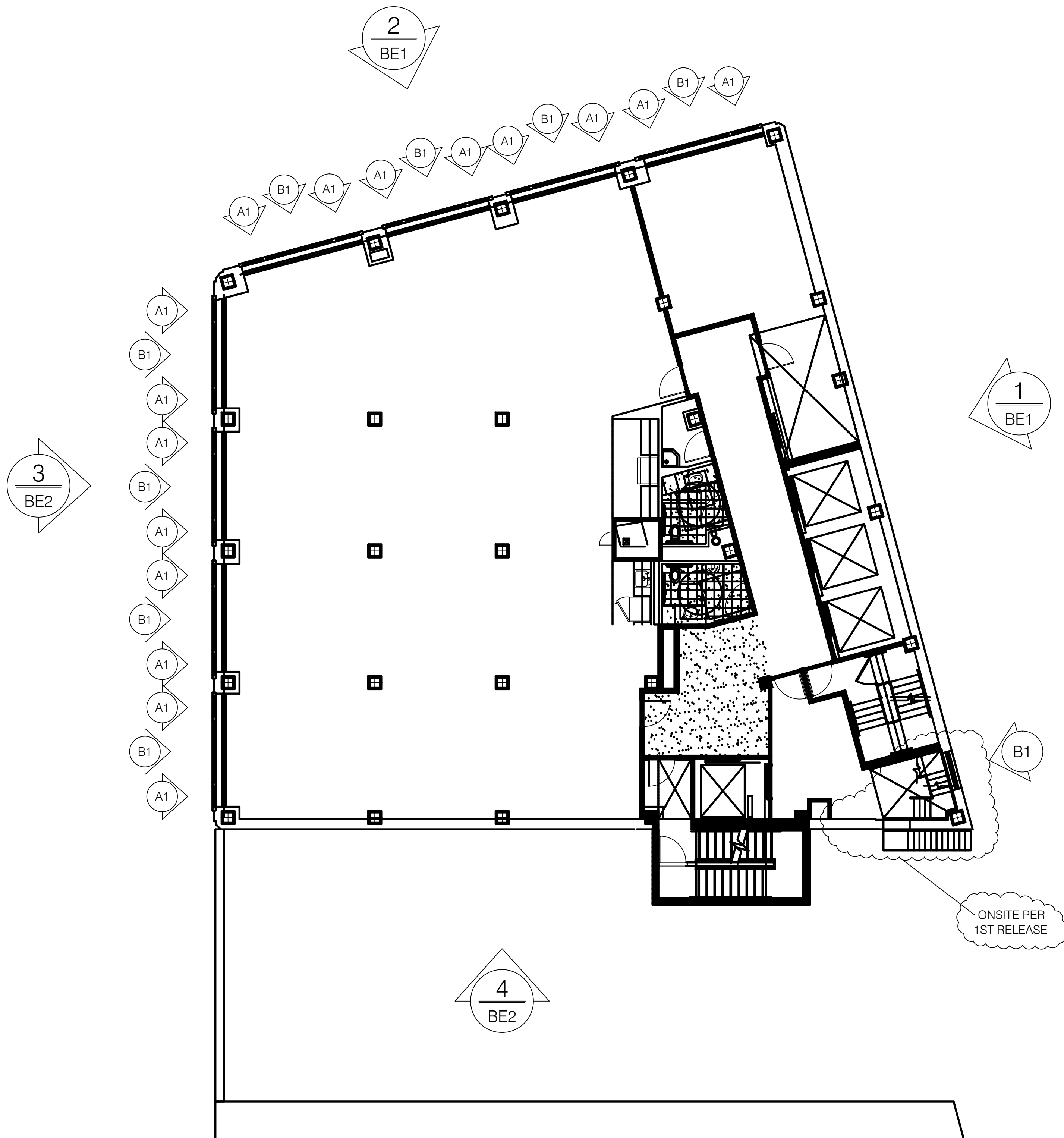


FLOOR PLAN
MEZZANINE FLOOR
ARCH REF: A104

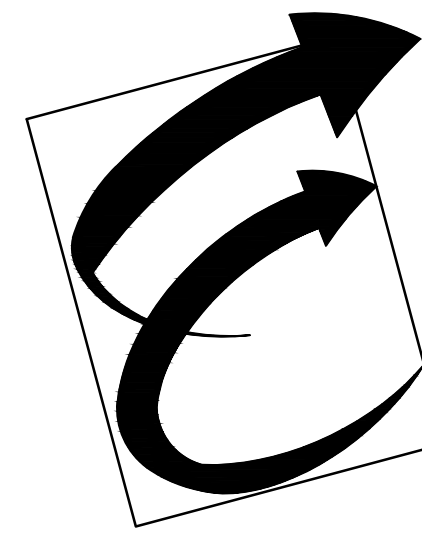
F = 1 TOTAL



FLOOR PLAN
2ND FLOOR
ARCH REF: A105
B1 = 2 TOTAL



FLOOR PLAN
3RD FLOOR
ARCH REF: A105
B1 = 2 TOTAL



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**Broderick Tower
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10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
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PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48206
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
FLOOR PLANS

SCALE: 1/8" = 1' - 0"
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
F2



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DRAWINGS PREPARED BY



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roderick Tower
edevelopment
roject

WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

TORICAL WINDOW
PLICATION / REPLACEMENT
OP DRAWINGS

ARCHITECT:
TRAEMER DESIGN GROUP

20 BROADWAY
DETROIT, MICHIGAN 48226
TEL: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:
C BEAL CONSTRUCTION, INC
7 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
TEL: 313-963-8951 | FAX: 313-963-3144

REAL:

DRAWING TITLE:

FLOOR PLANS

SCALE: 1/8" = 1' - 0"

PROJECT NO: 03111042-AB

PROJECT MANAGER: D. VAINER

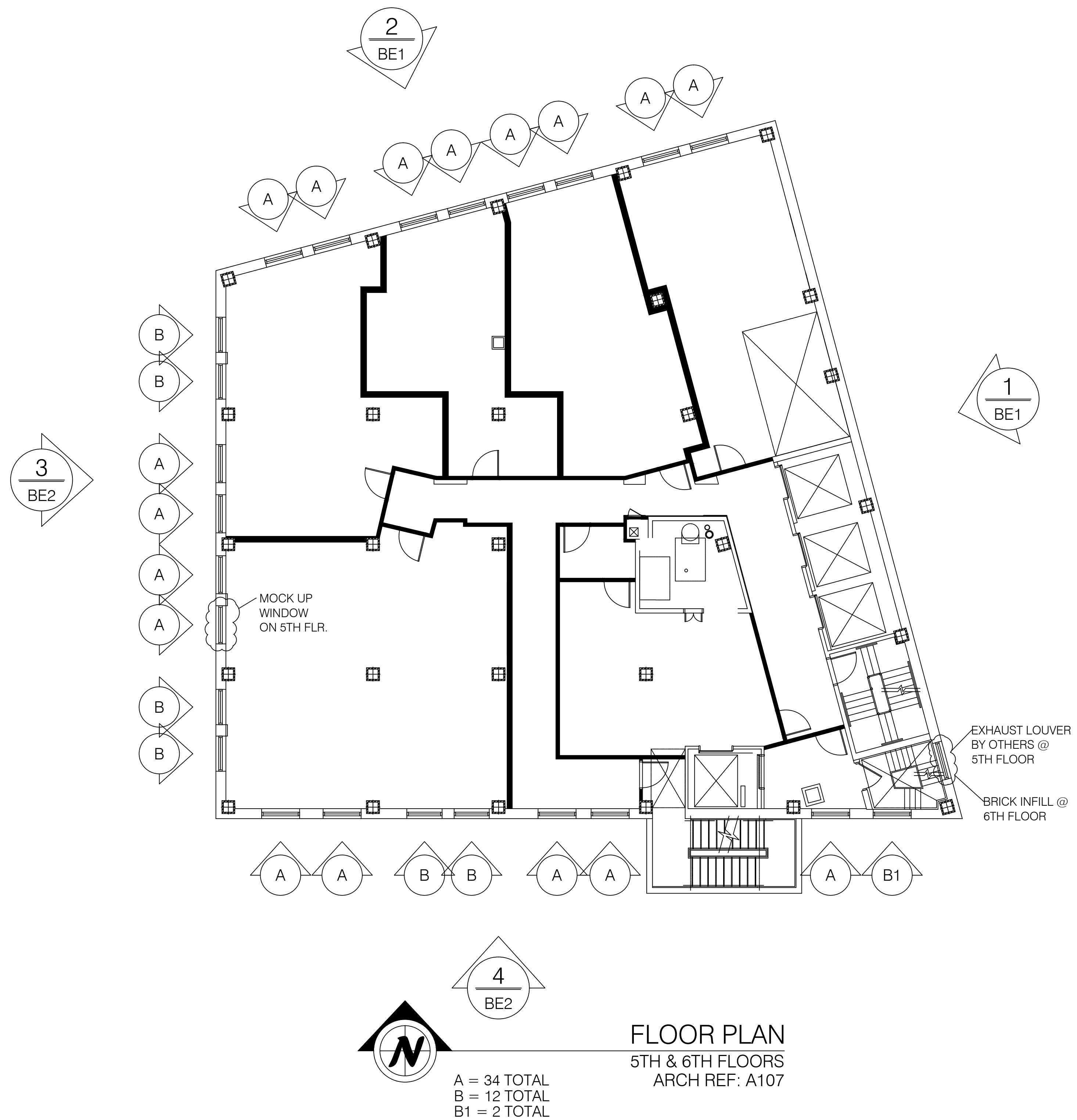
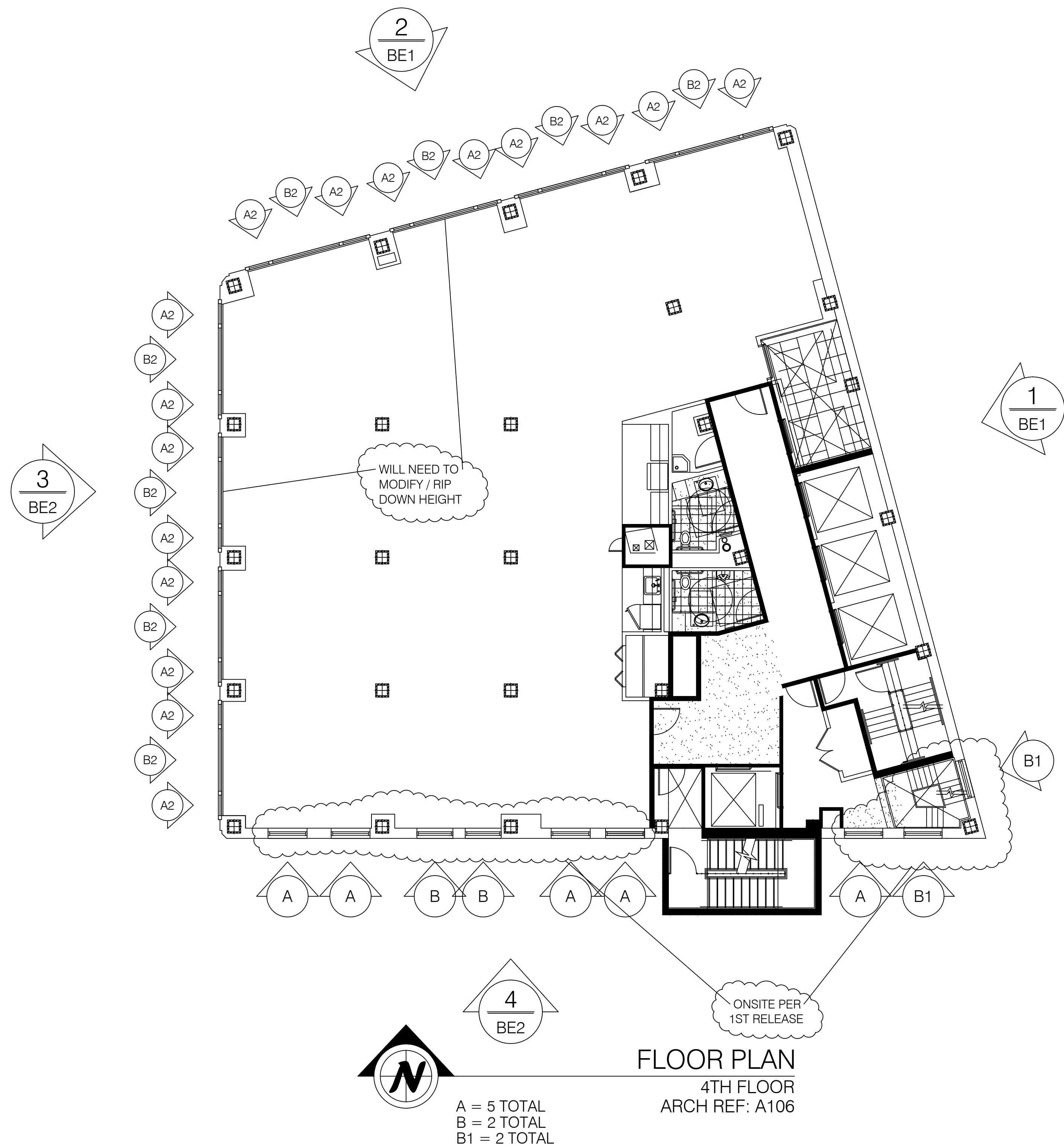
DRAWN BY: MJC

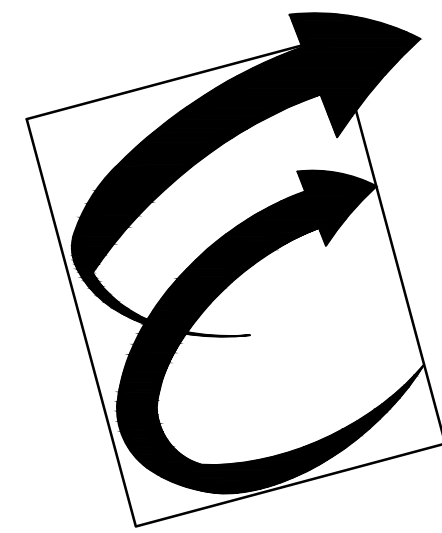
DATE: 10-01-12

DRAWING NO:

F3

35





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12235 Stark Road
Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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DRAWINGS PREPARED BY:



Charrette Studios, Inc.
23581 Donaldson St.
Clinton Township, MI. 48035
(586) 790-4329
(586) 790-4346 (fx)

Revision or Issue:

No.	Date	Subject
1	08-12-11	First Submittal
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:

Broderick Tower
Redevelopment
Project

10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:

KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48206
PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:

JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

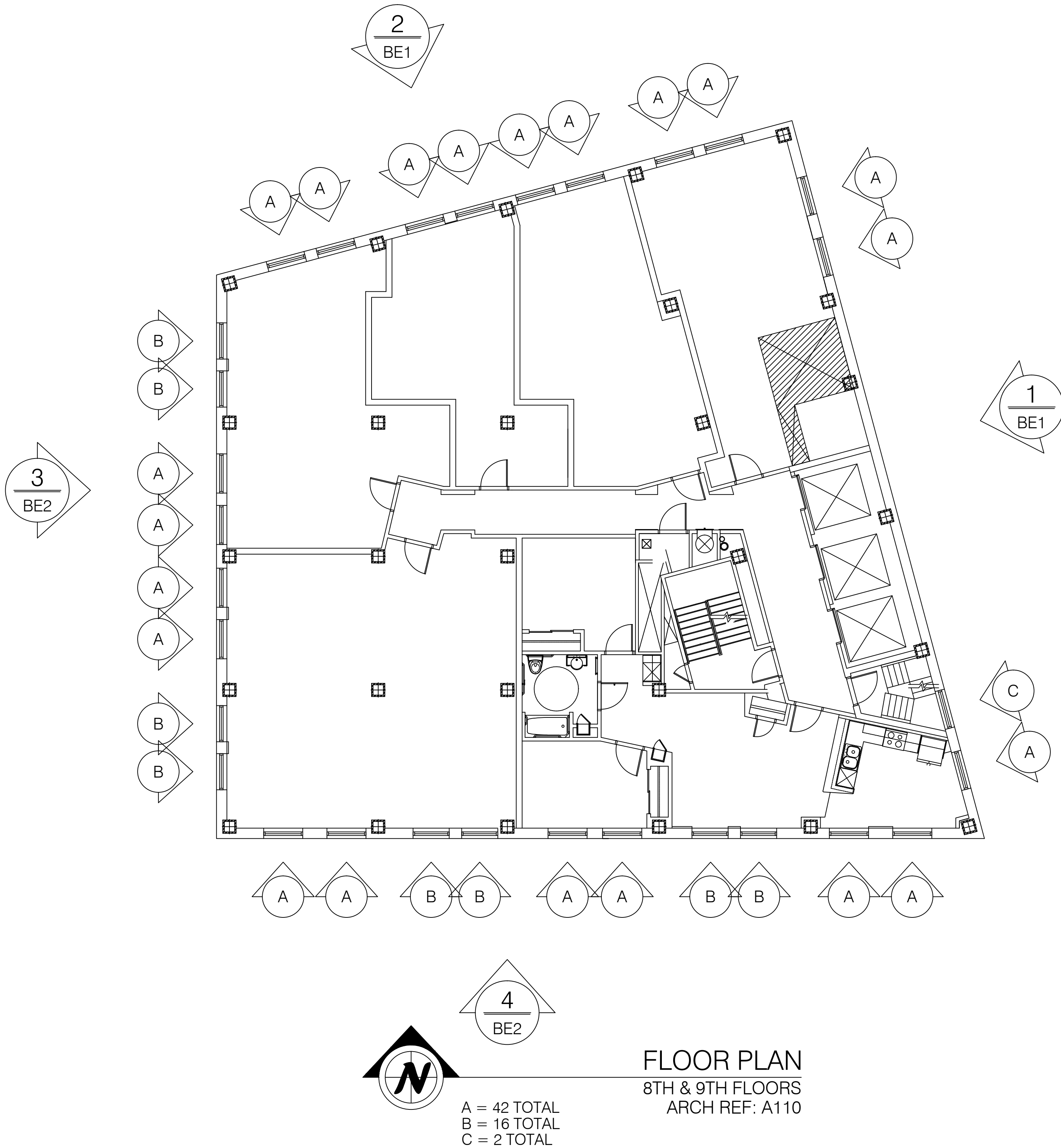
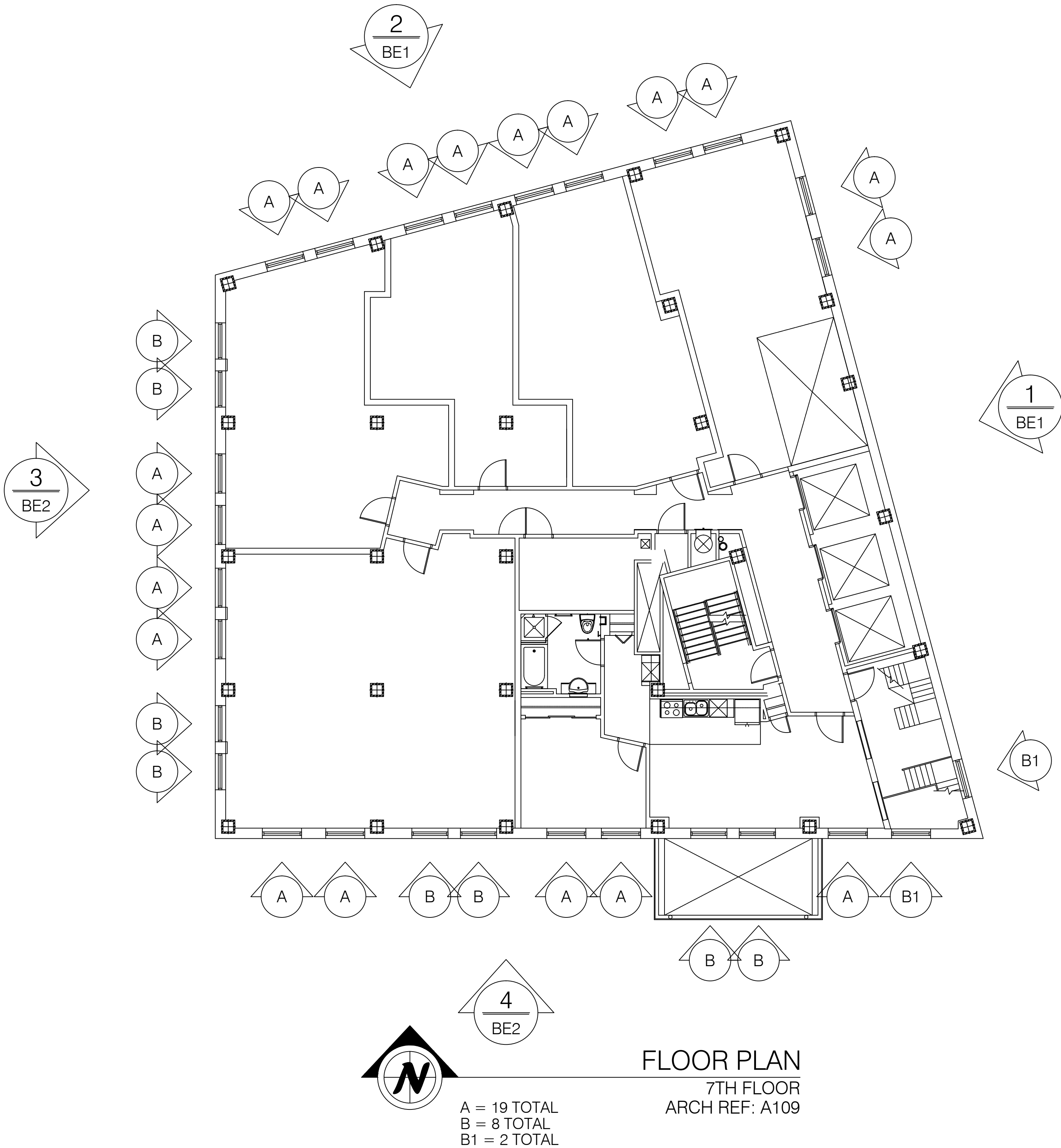
FLOOR PLANS

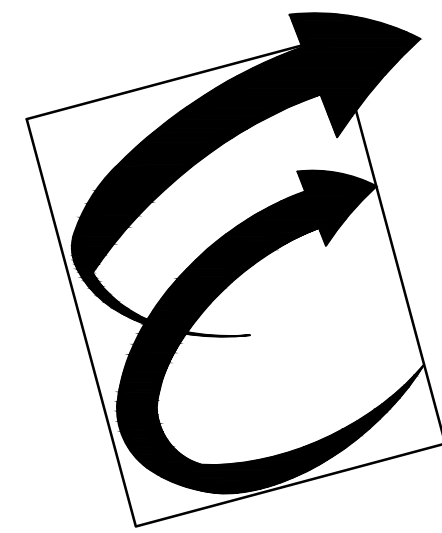
SCALE: 1/8" = 1' - 0"

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:

F4





Environmental Glass, Inc.
12235 Stark Road
Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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Broderick Tower
Redevelopment
Project

10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

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PH: 313-965-3399 | FAX: 313-965-3555

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277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

FLOOR PLANS

SCALE: 1/8" = 1' - 0"

CSI PROJECT NO: 03111042-AB

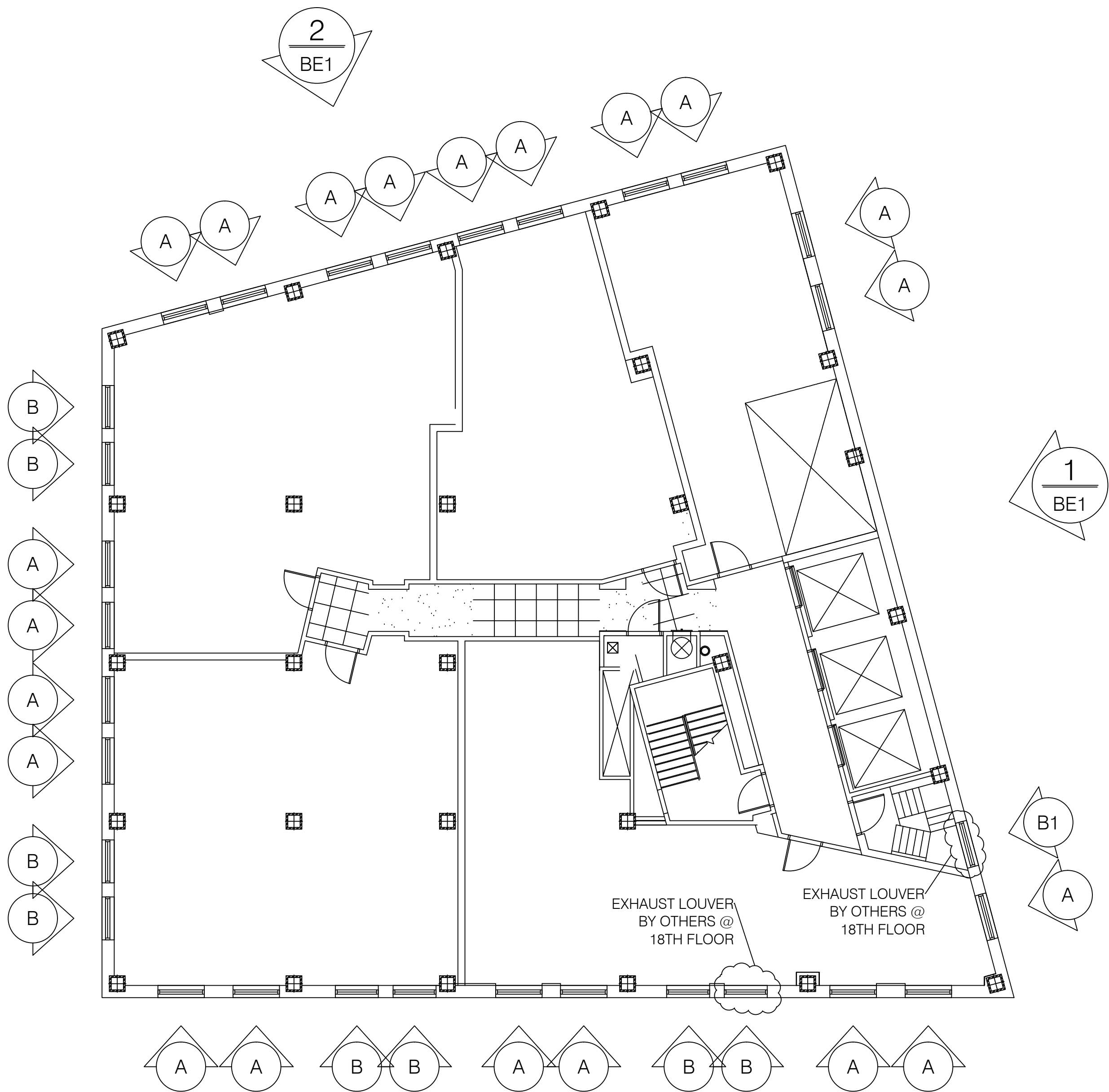
PROJECT MANAGER: D. VAINER

DRAWN BY: MJC

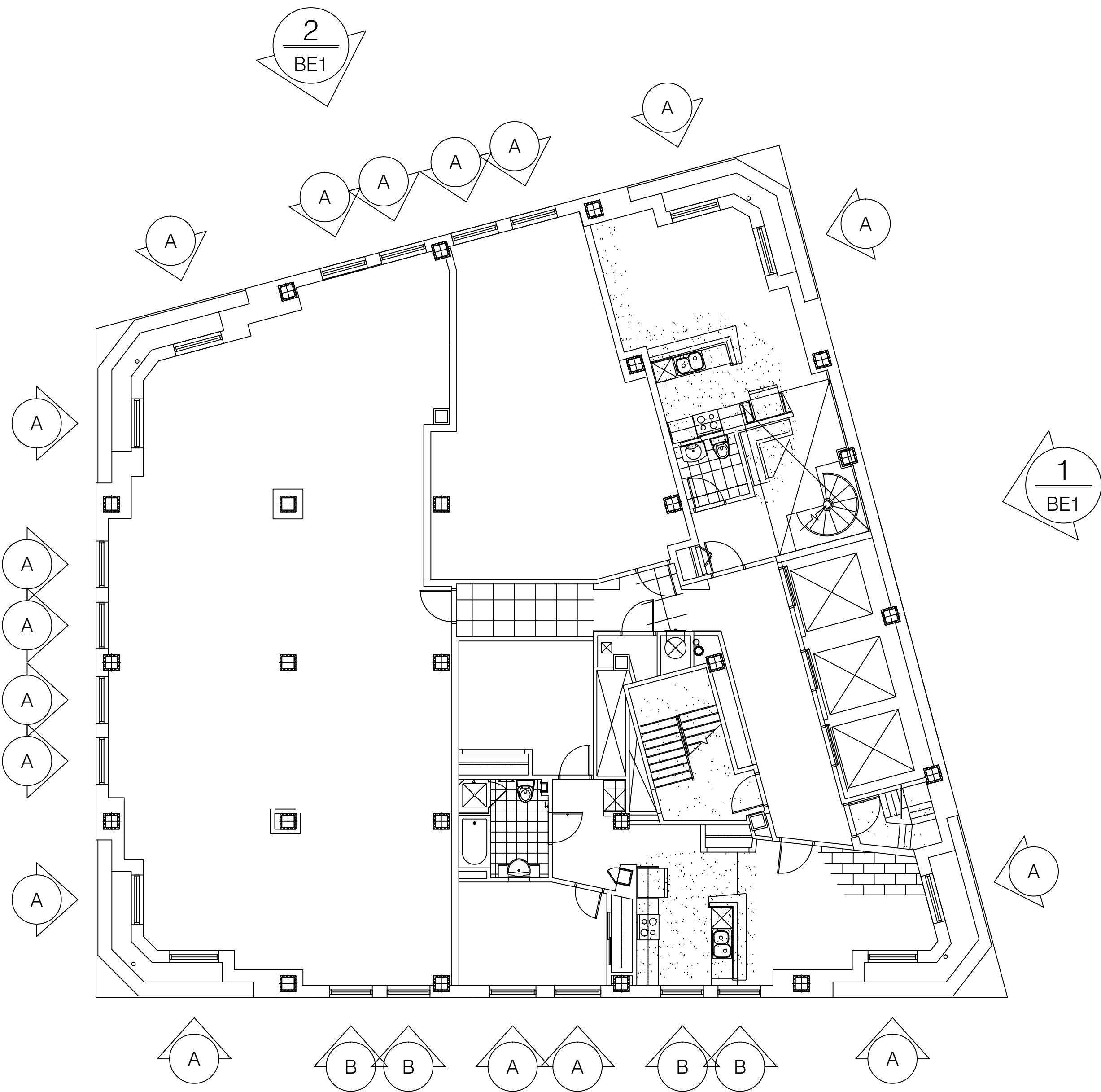
DATE: 10-01-12

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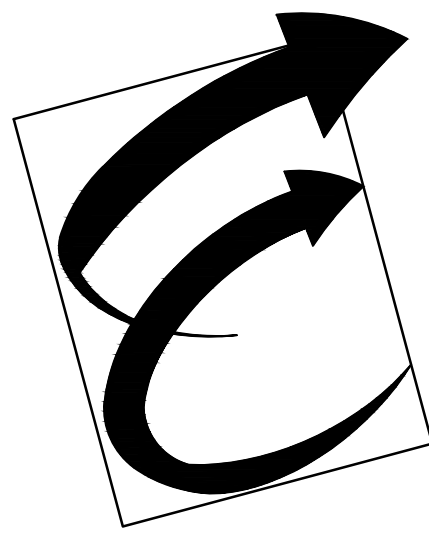
F5



FLOOR PLAN
10TH - 30TH FLOORS
ARCH REF: A111



FLOOR PLAN
31ST FLOOR
ARCH REF: A117



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Project

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DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

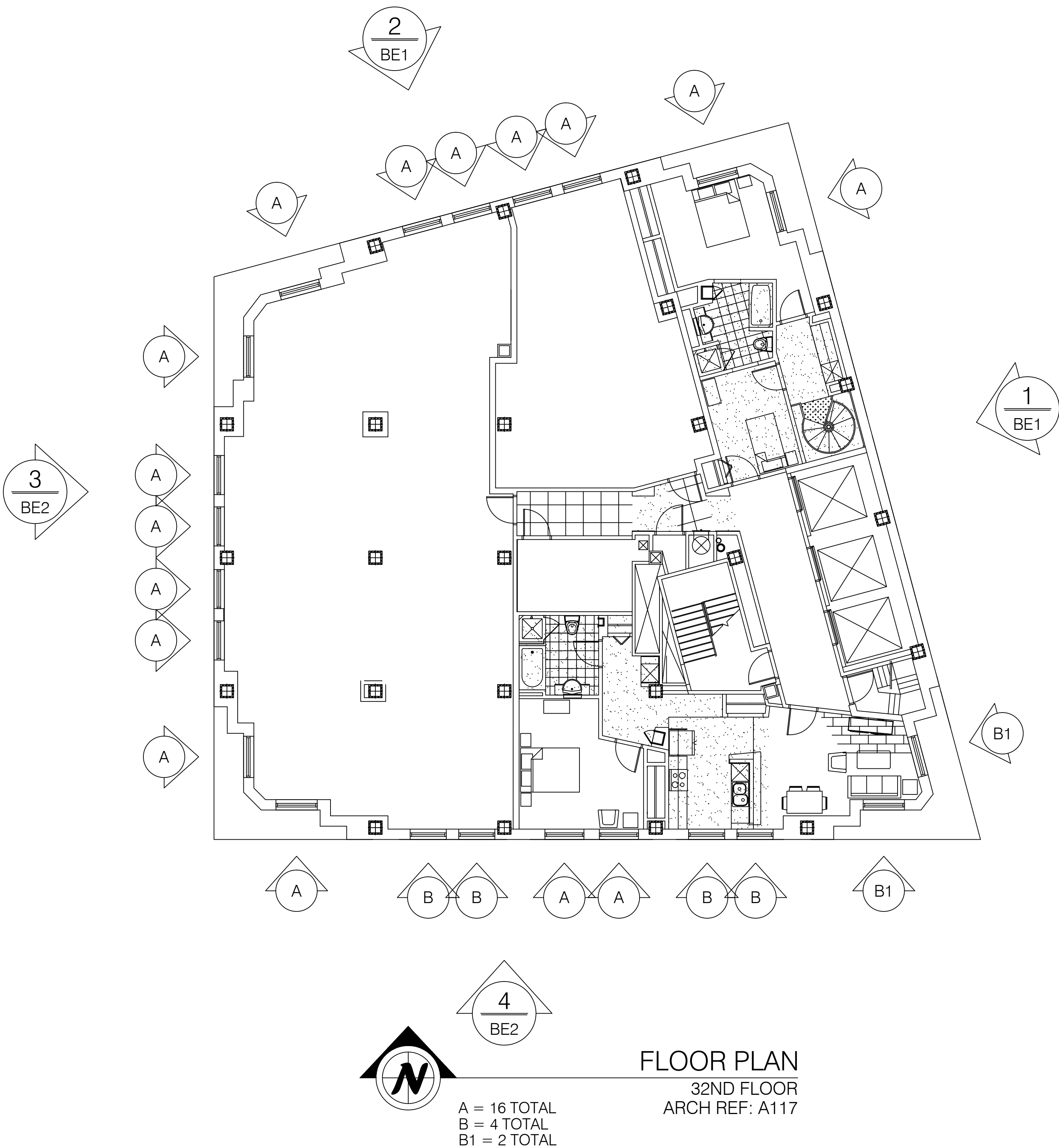
FLOOR PLANS

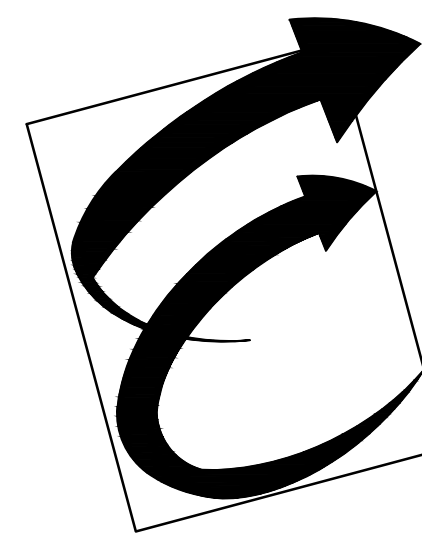
SCALE: 1/8" = 1' - 0"

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:

F6





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Redevelopment
Project

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DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

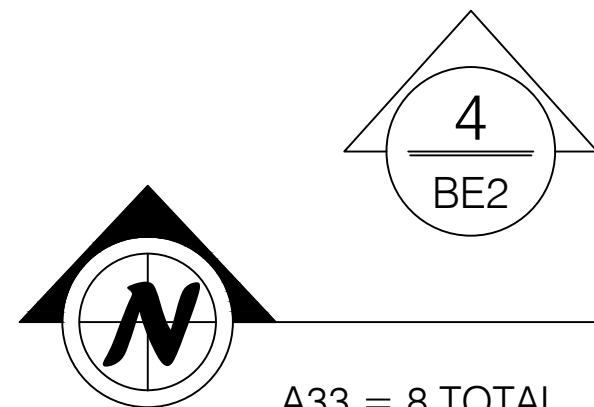
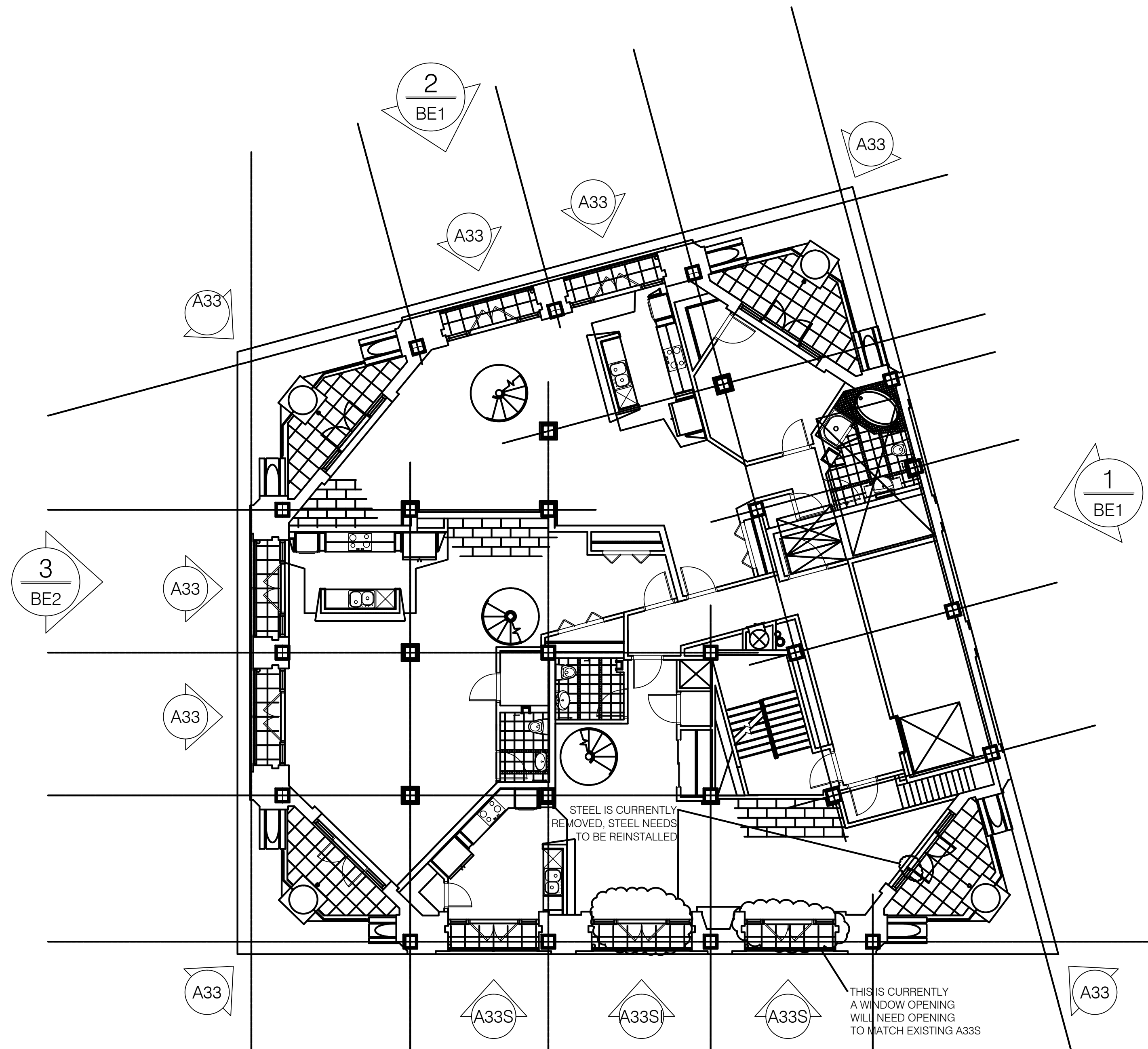
ARCHITECT:

KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48206
PH: 313-965-3399 | FAX: 313-965-3555

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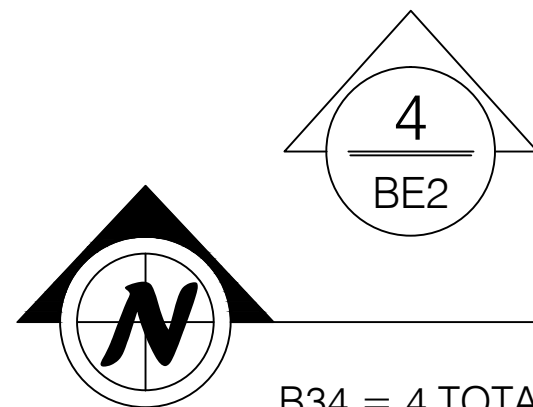
SEAL:



FLOOR PLAN
33RD FLOOR
ARCH REF: A119

A33 = 8 TOTAL
A33S = 2 TOTAL
A33SI = 1 TOTAL

REPLACE STEEL VERTICALS
REMOVE REPLACEMENT FRAME
PREP OPENINGS TO MATCH OTHER OPENINGS



FLOOR PLAN
34TH FLOOR
ARCH REF: A119

B34 = 4 TOTAL
C = 4 TOTAL
D = 2 TOTAL
E = 1 TOTAL

DRAWING TITLE:

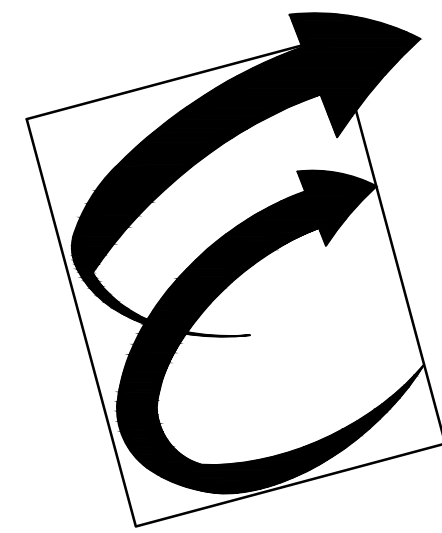
FLOOR PLANS

SCALE: 1/8" = 1' - 0"

CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:

F7



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Revision or Issue:		
No.	Date	Subject
1	09-23-11	PURPOSED INSTALLATION
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
**Broderick Tower
Redevelopment Project**

10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW REPLICATION / REPLACEMENT
PURPOSED INSTALLATION DETAILS

ARCHITECT:
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PH: 313-965-3399 | FAX: 313-965-3555

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DETROIT, MICHIGAN 48206
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

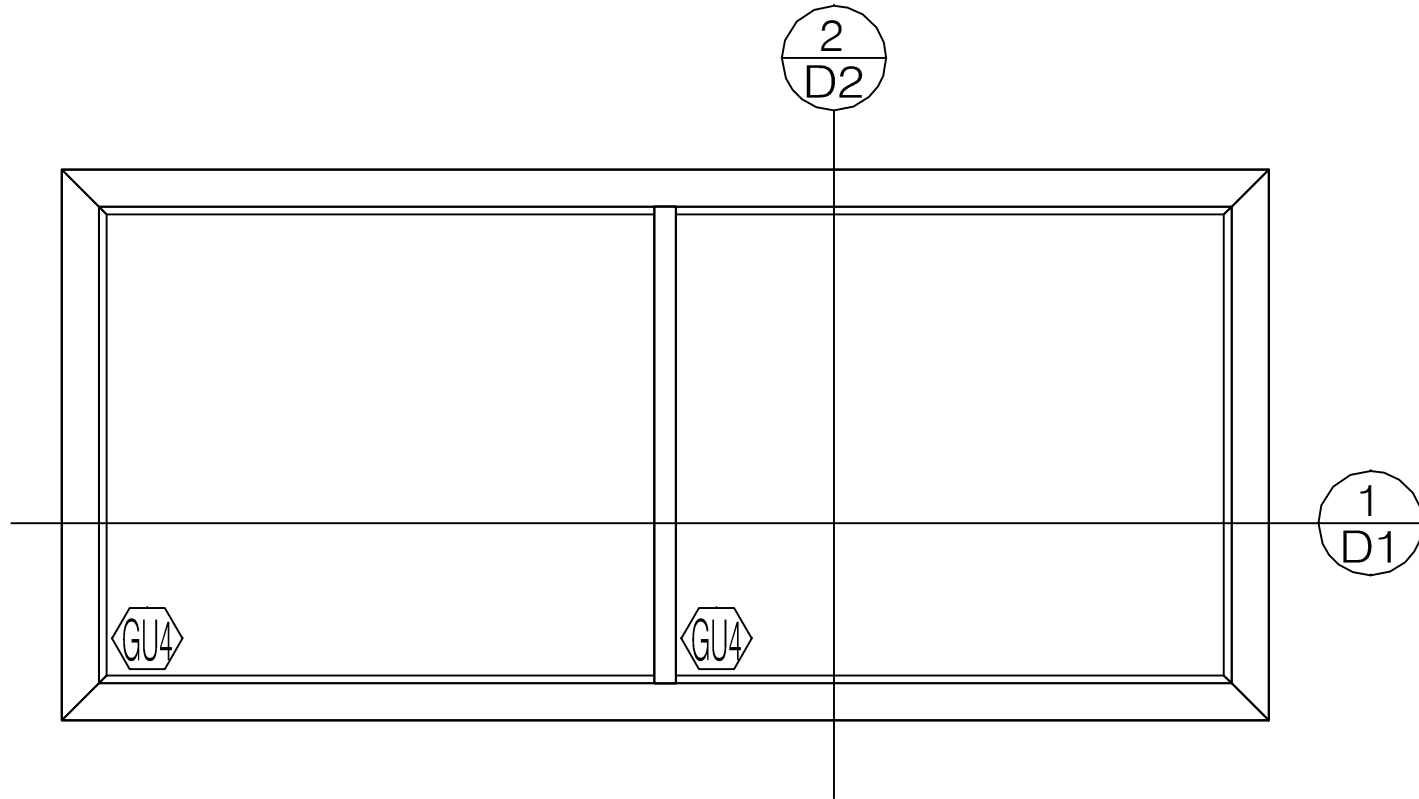
DRAWING TITLE:
**ELEVATIONS
1ST FLOOR AND
MEZZANINE**

SCALE: 1/2" = 1' - 0"
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
E1

158 1/2" Window Make

70 1/2" Window Make



A

1ST FLOOR WINDOW
ELEVATION

PEERLESS 4160 SERIES
FIXED

SCALE: 1/2" = 1' - 0"
ARCH REF:
1ST FLOOR

TOTAL: 4 TOTAL

158 3/4" Assembled

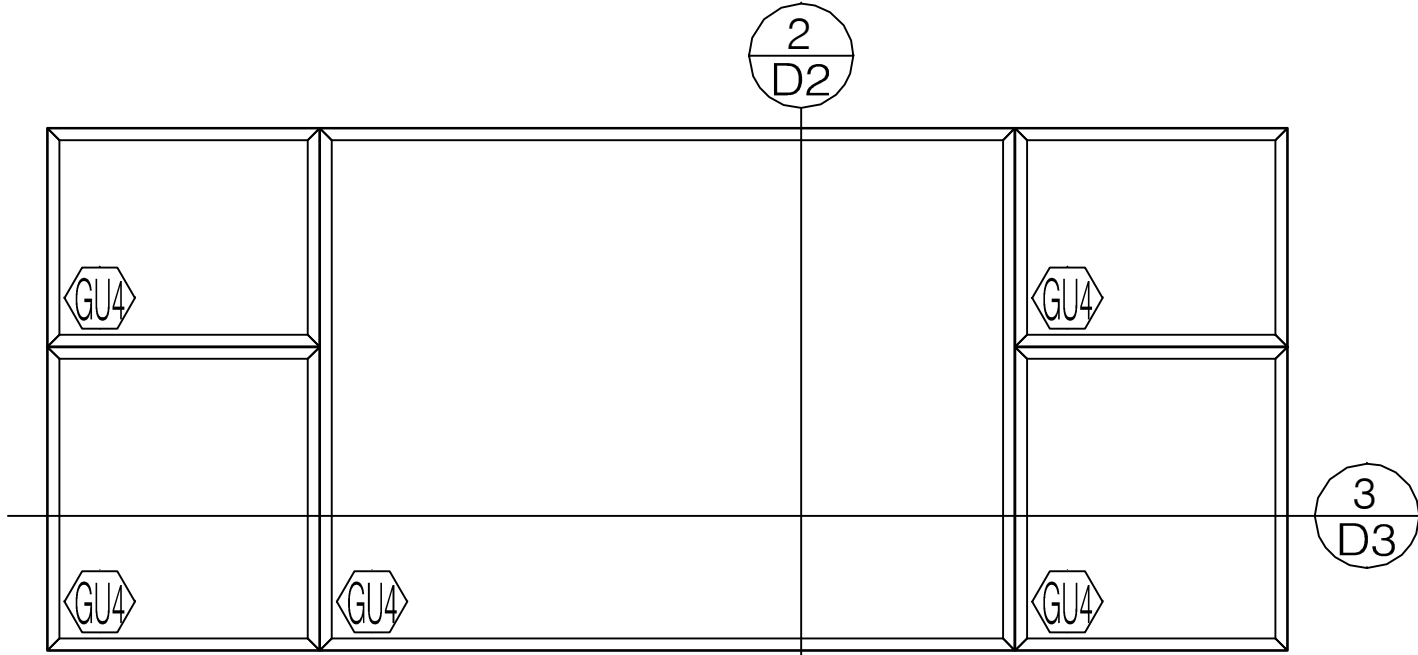
34 1/8" W.M.

89" W.M.

34 1/8" W.M.

3/4"

3/4"



A

MEZZANINE WINDOW
ELEVATION

PEERLESS 4160 SERIES
FIXED

SCALE: 1/2" = 1' - 0"
ARCH REF:
MEZZANINE LEVEL

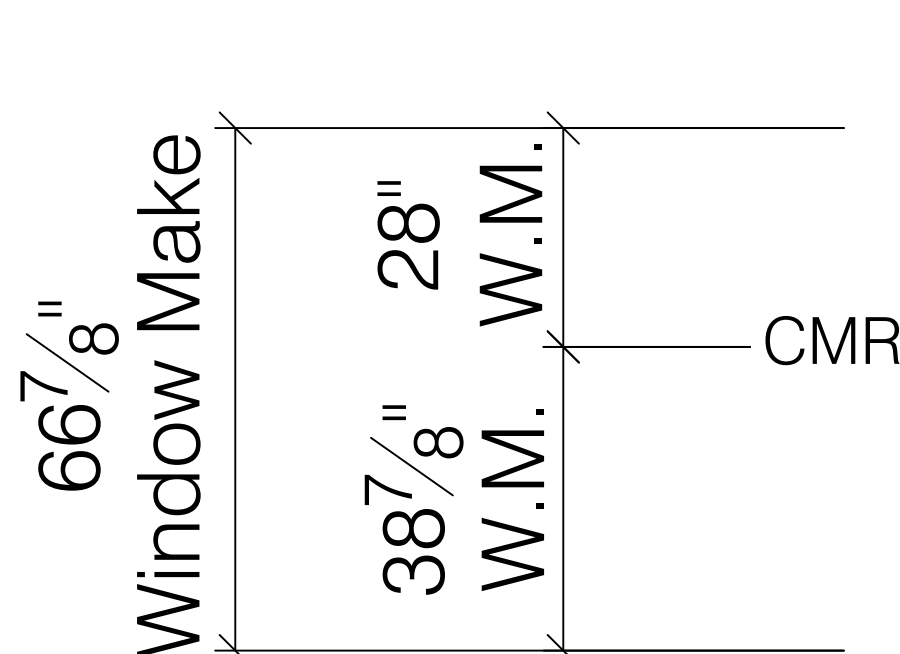
TOTAL: 6 TOTAL

66 7/8" Window Make

38 7/8" W.M.

28" W.M.

CMR



177 3/4" Assembled

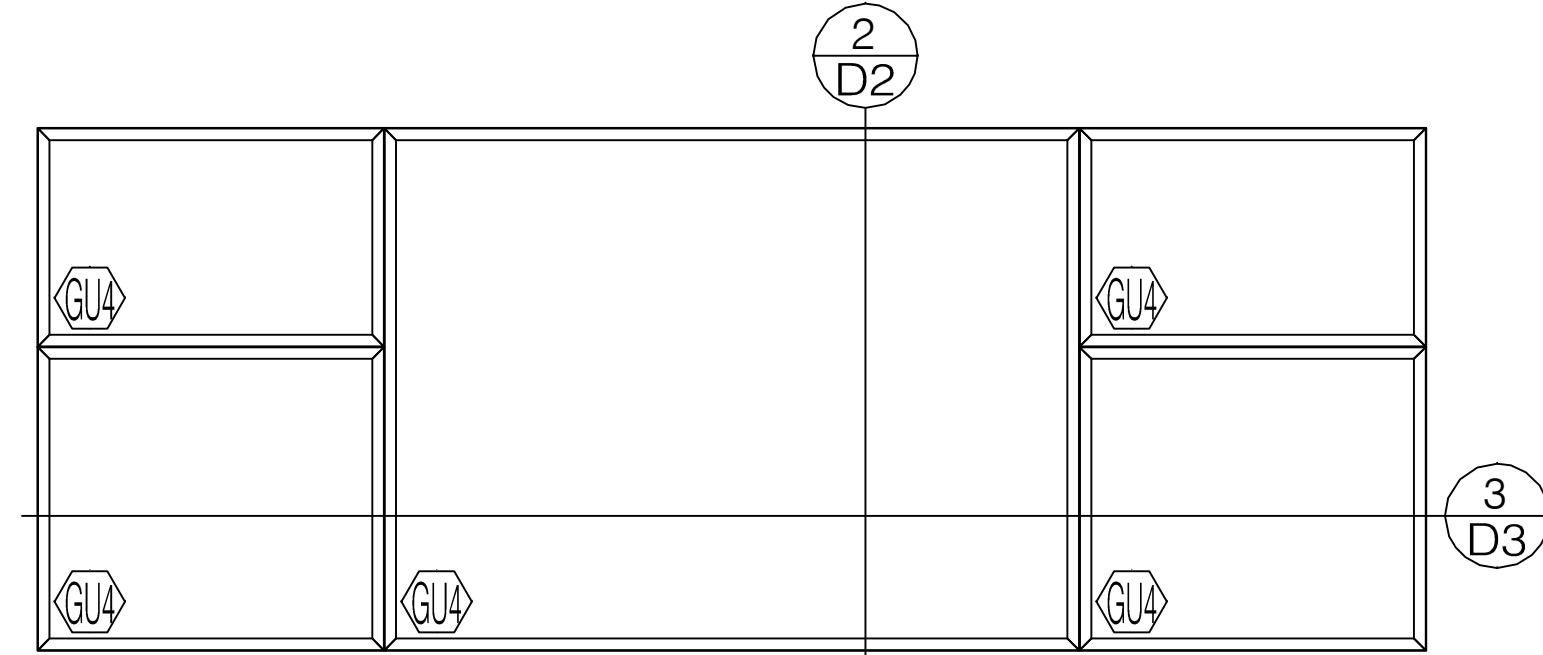
43 5/8" W.M.

89" W.M.

43 5/8" W.M.

3/4"

3/4"



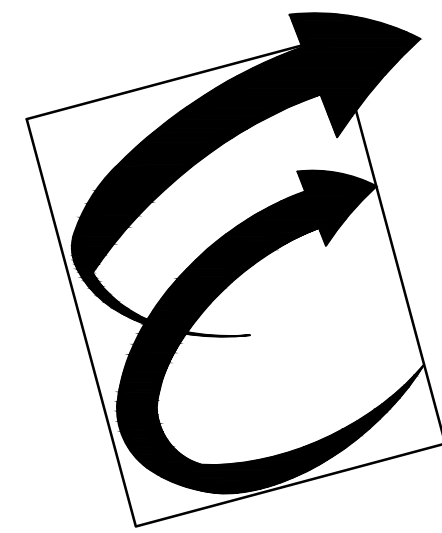
B

MEZZANINE WINDOW
ELEVATION

PEERLESS 4160 SERIES
FIXED

SCALE: 1/2" = 1' - 0"
ARCH REF:
MEZZANINE LEVEL

TOTAL: 1 TOTAL



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	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:

Broderick Tower
Redevelopment Project

10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW REPLICATION / REPLACEMENT
PURPOSED INSTALLATION DETAILS

ARCHITECT:

KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:

JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

1ST FLOOR & MEZZ
DETAILS

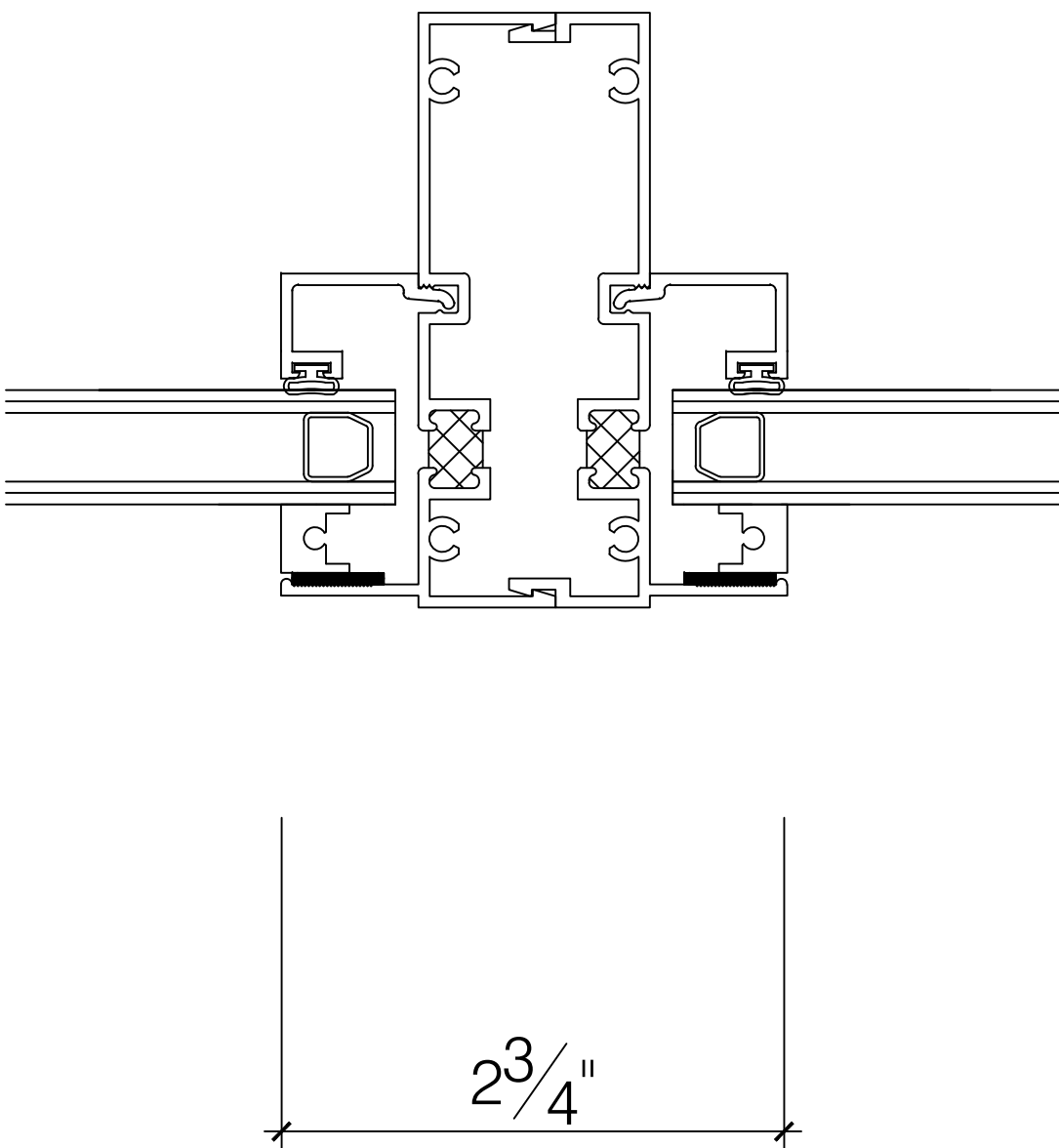
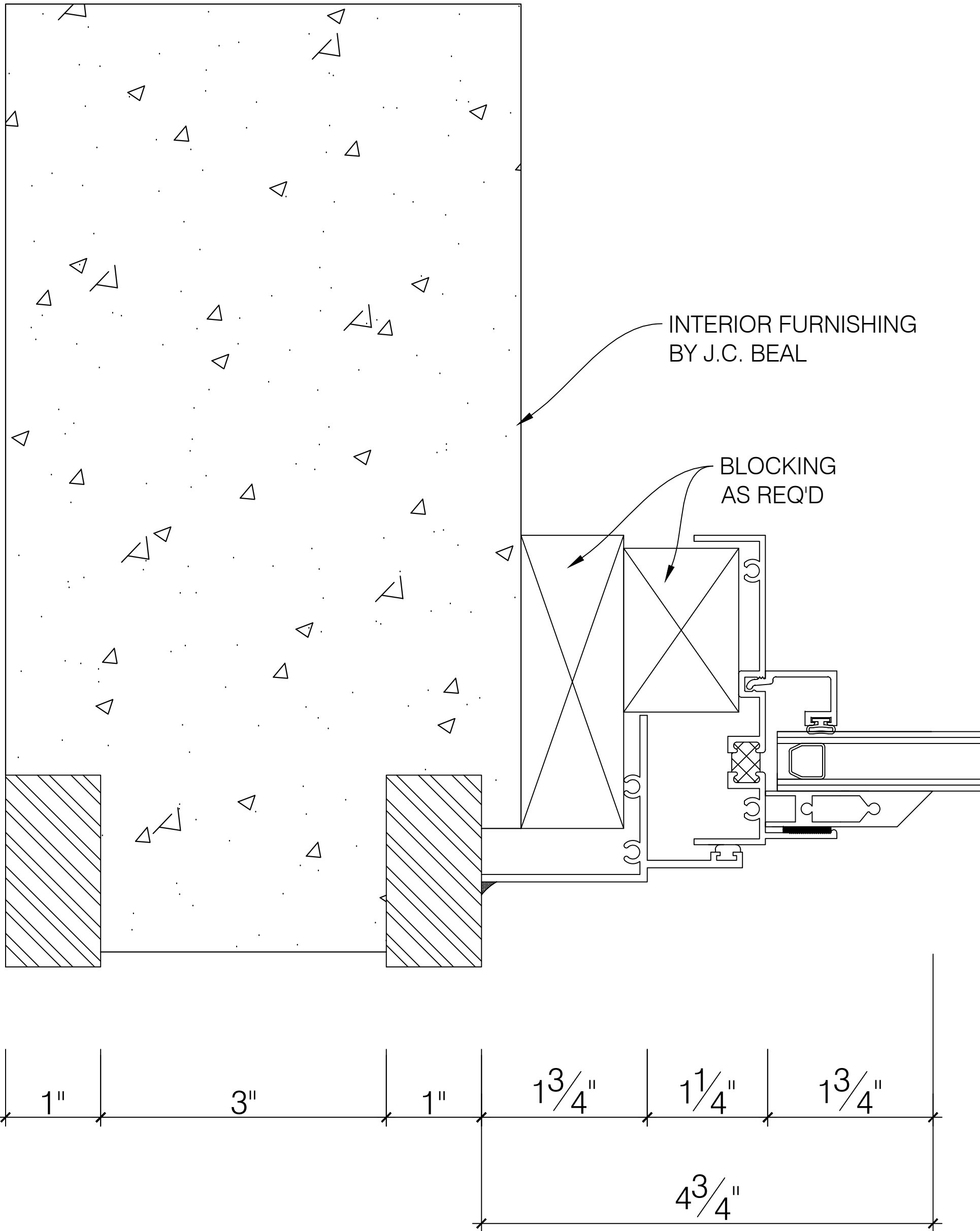
SCALE: FULL

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

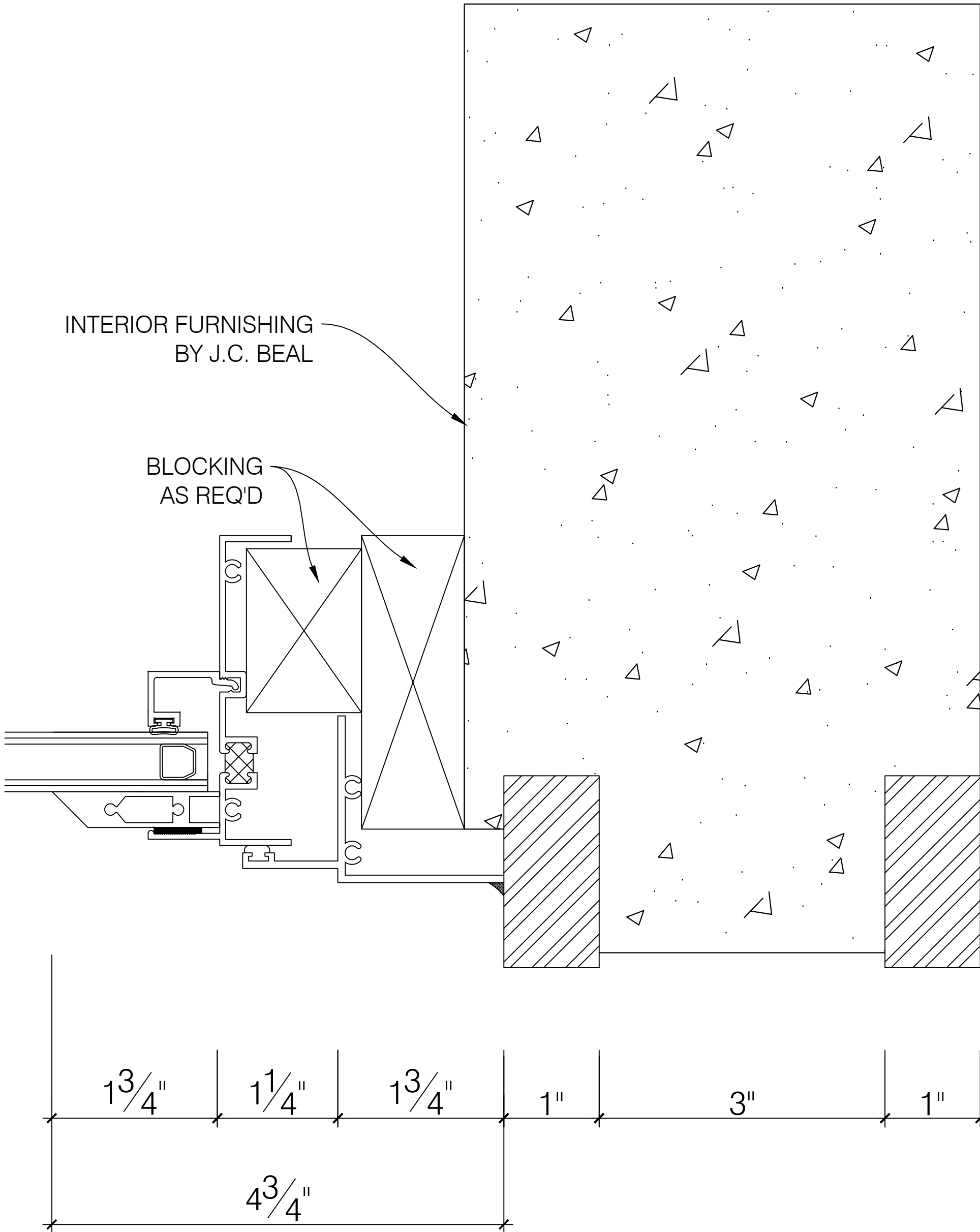
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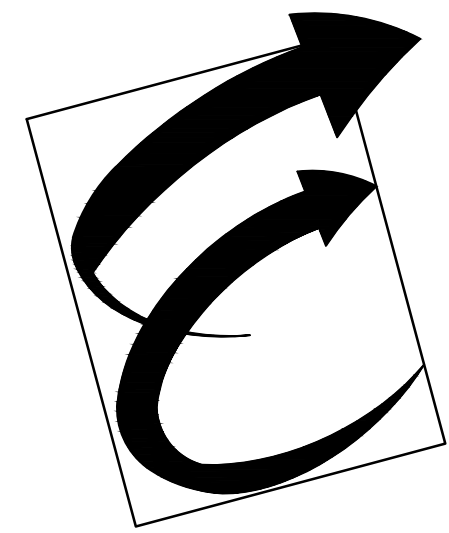
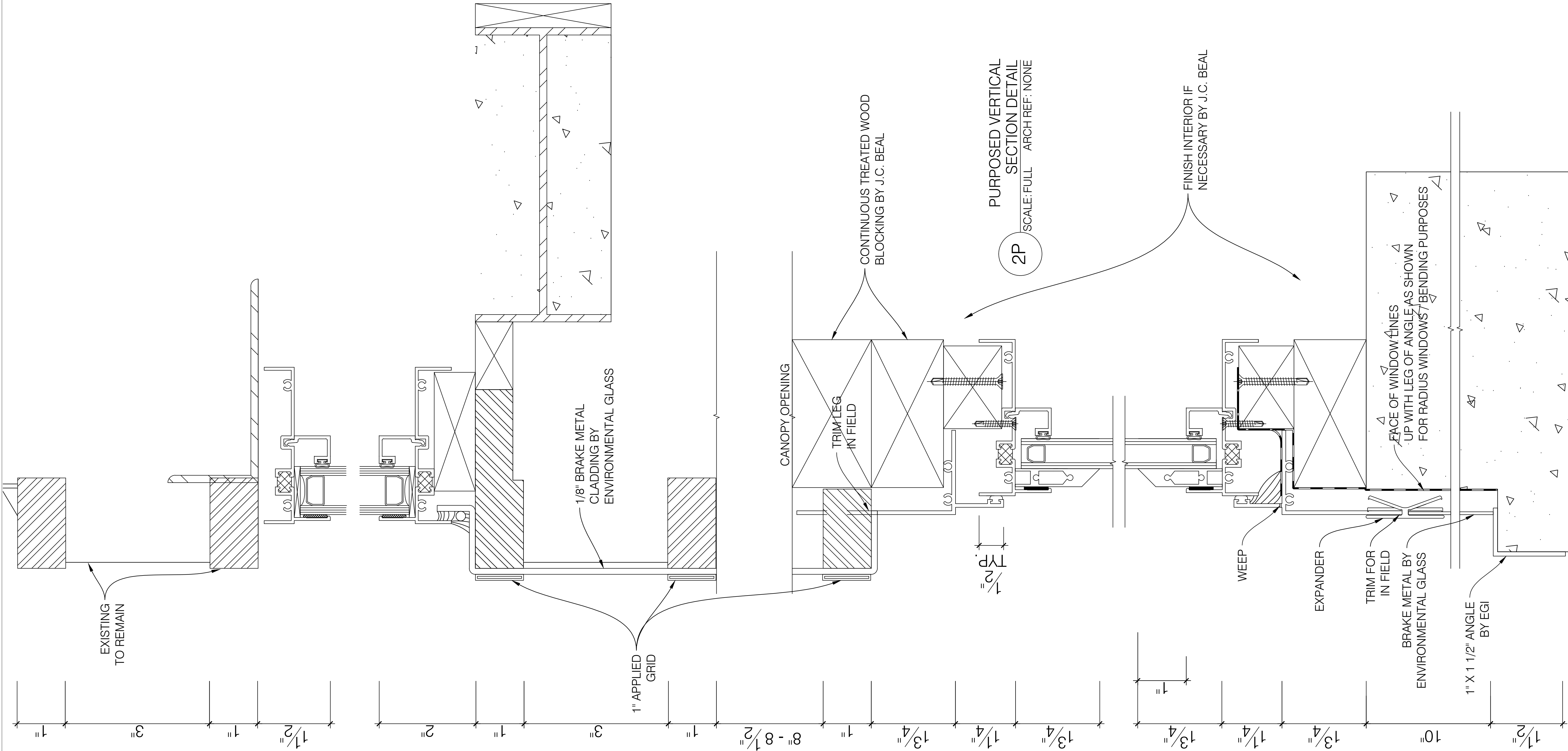
D1

35



1P
PURPOSED 1ST FLOOR
JAMB SECTION DETAIL
SCALE: FULL ARCH REF: NONE





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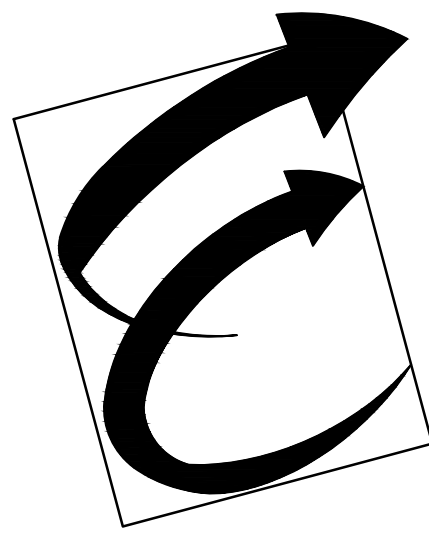
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277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
**1ST FLOOR & MEZZ
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
D2



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SEAL:

DRAWING TITLE:

1ST FLOOR & MEZZ
DETAILS

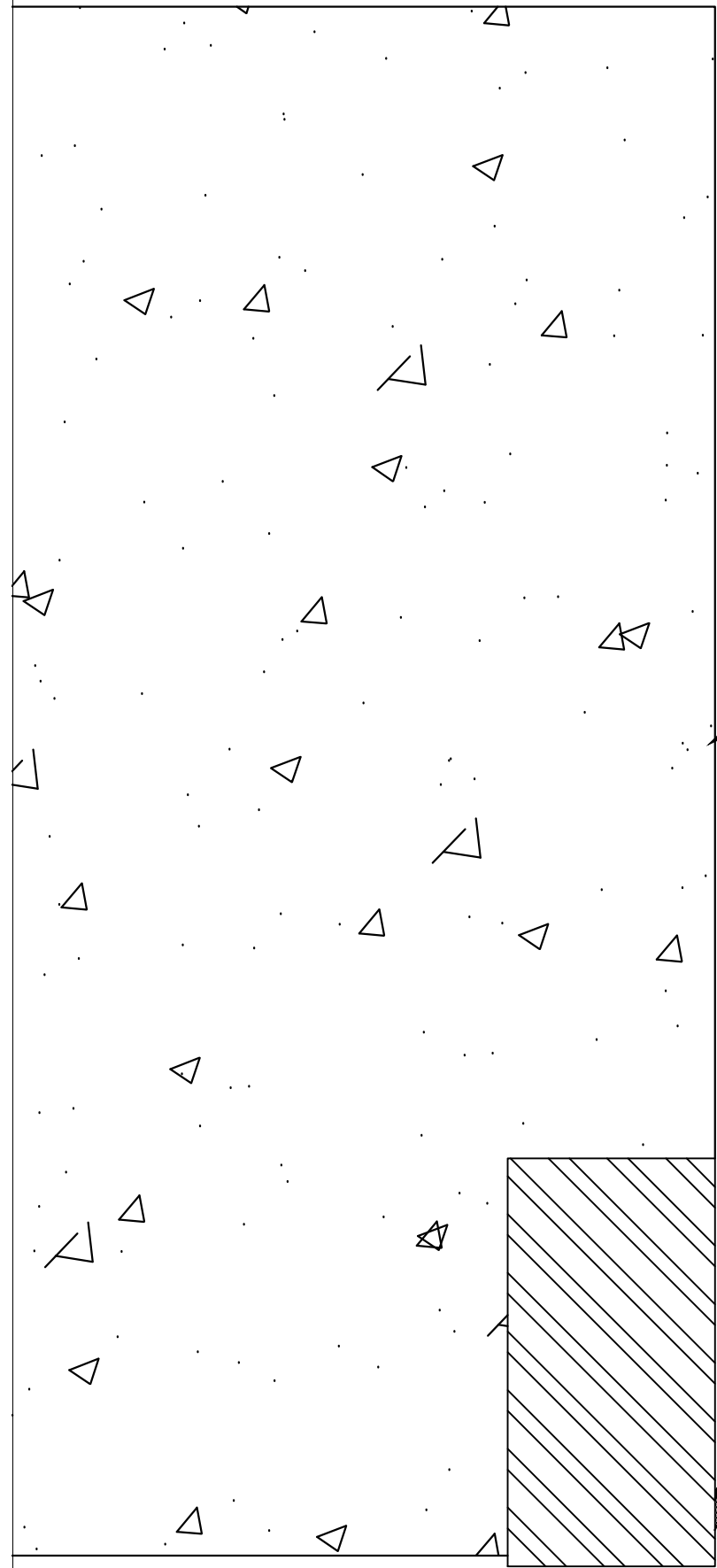
SCALE: FULL

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

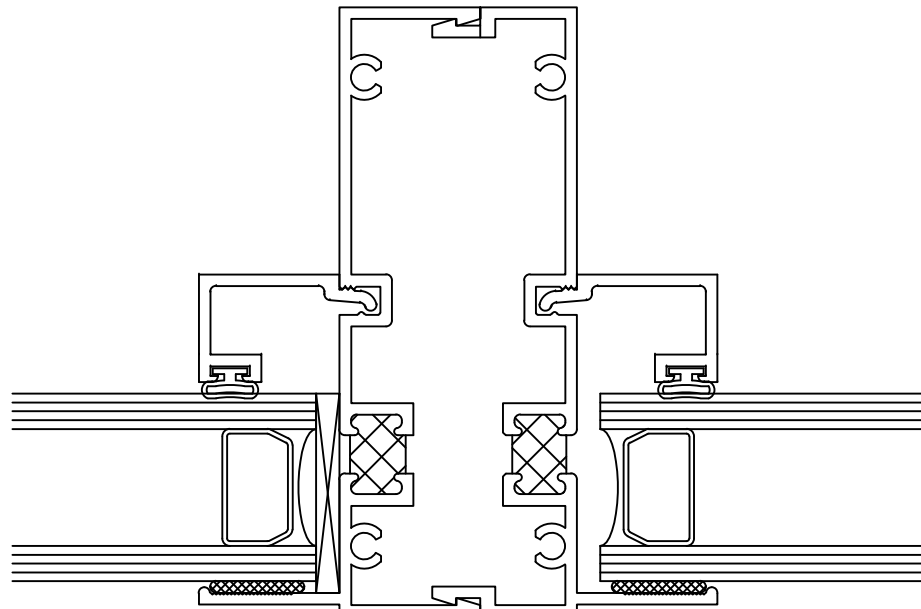
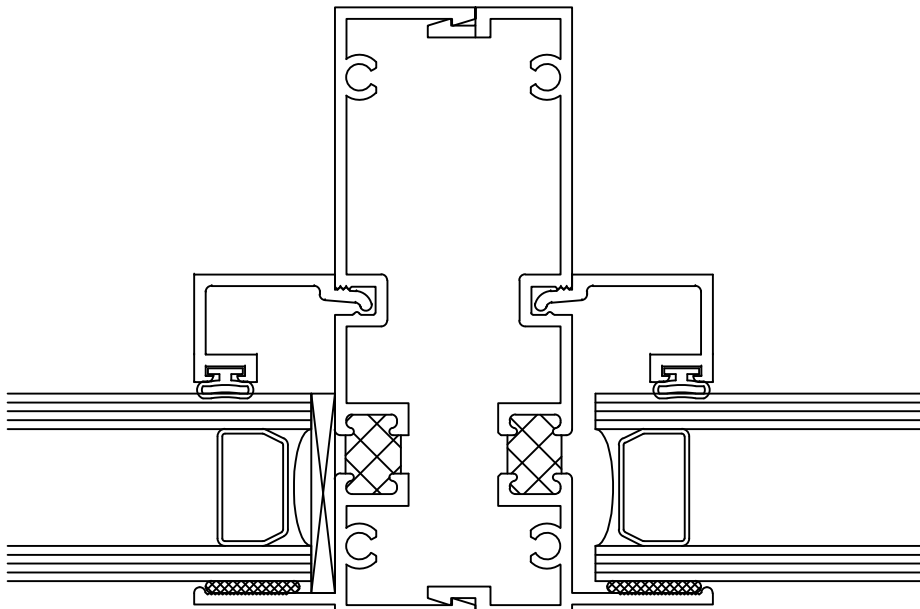
DRAWING NO:

D3

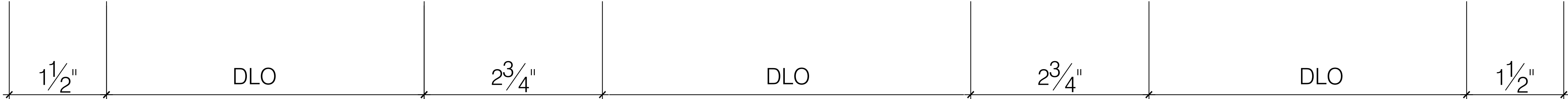
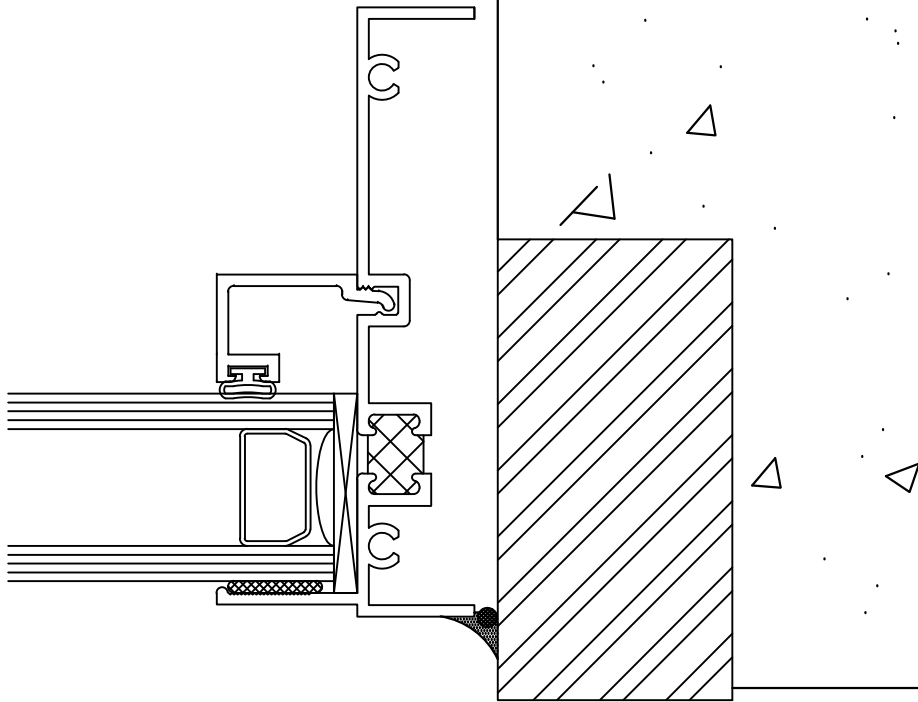
35



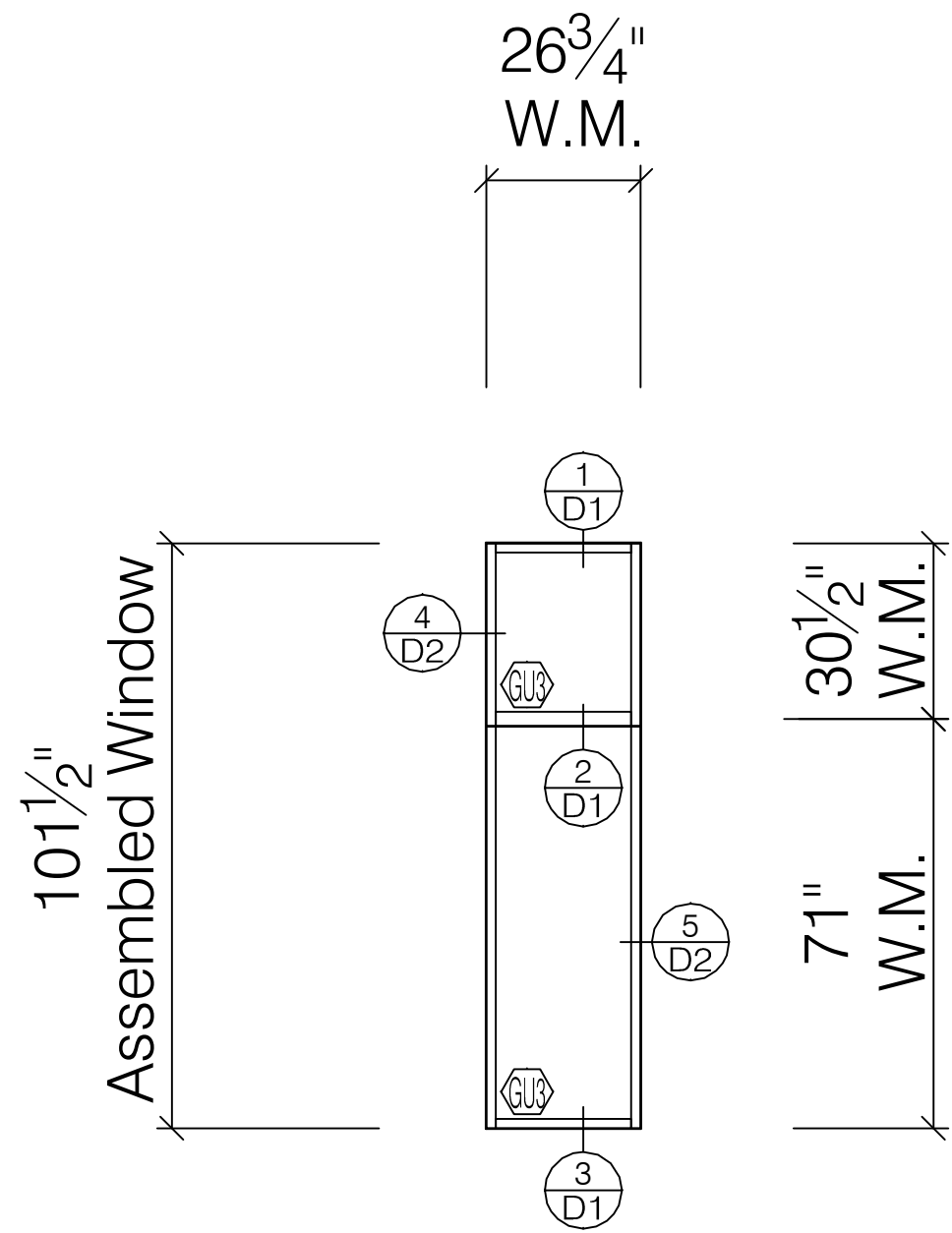
INTERIOR FURNISHING
BY J.C. BEAL



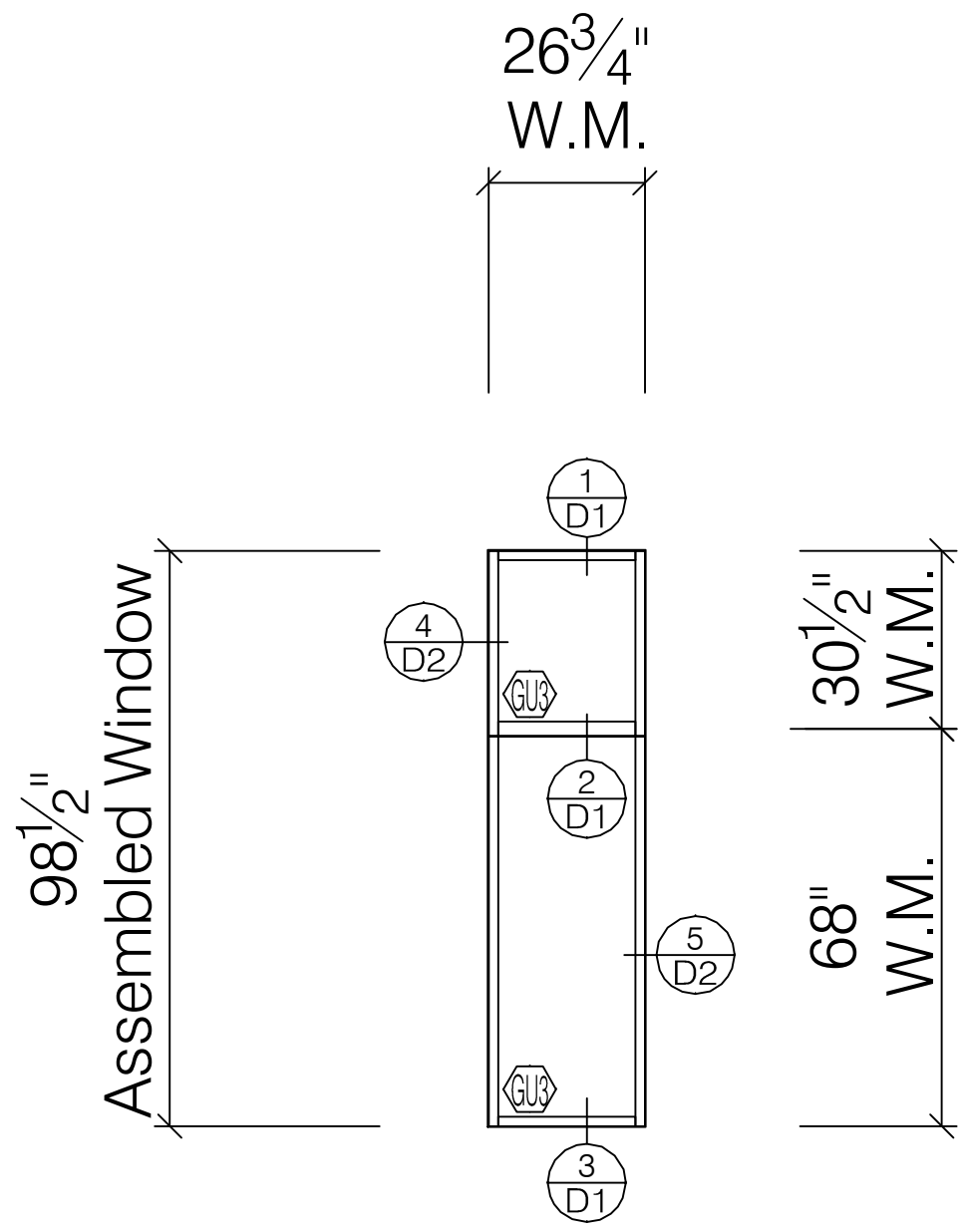
INTERIOR FURNISHING
BY J.C. BEAL



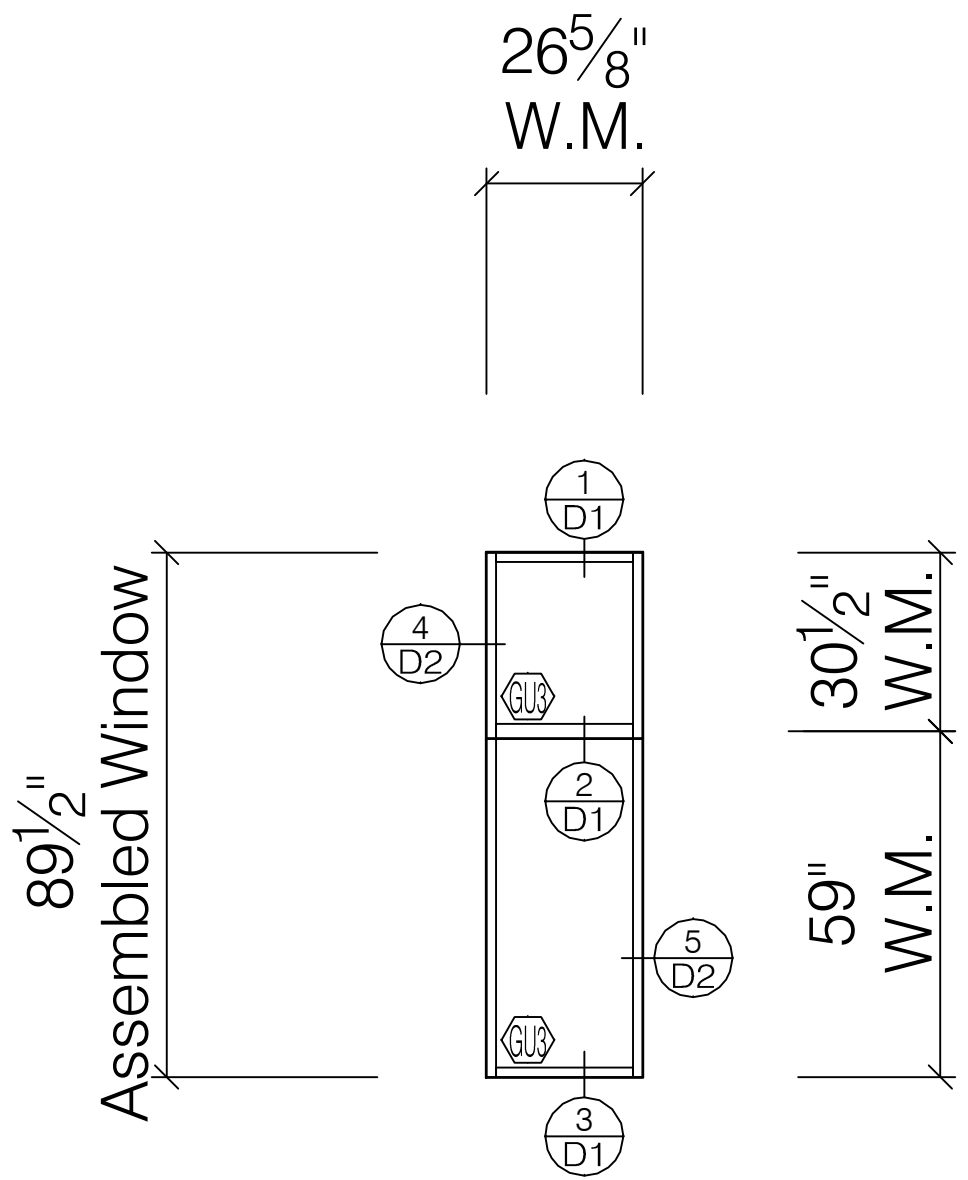
3P
PURPOSED MEZZANINE
JAMB SECTION DETAIL
SCALE: FULL ARCH REF: NONE



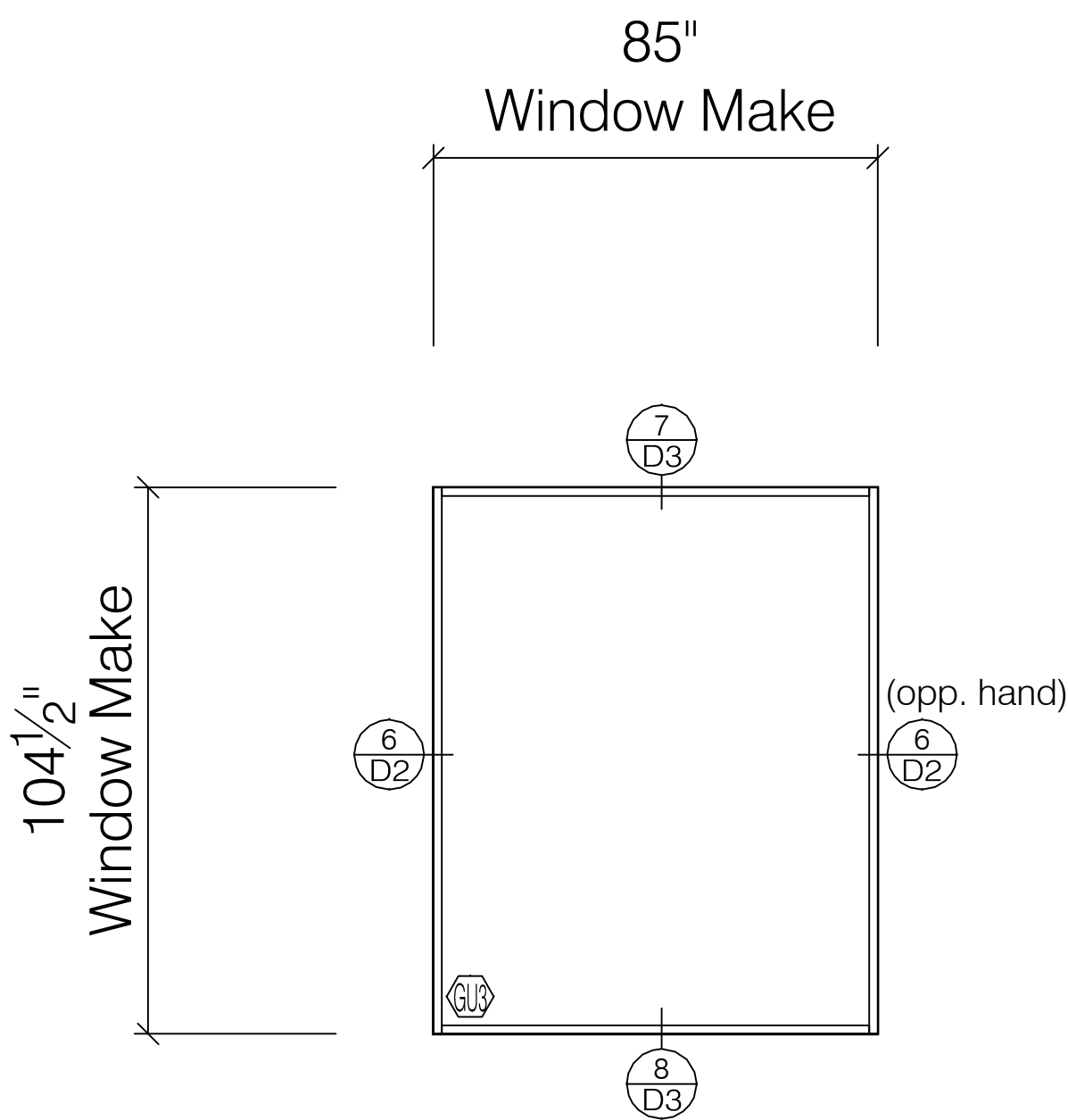
A 2ND FLOOR WINDOW ELEVATION
PEERLESS 416A SERIES
OFFSET FIXED
SCALE: 3/8" = 1' - 0"
ARCH REF: 2ND FLOOR
TOTAL: 16 TOTAL



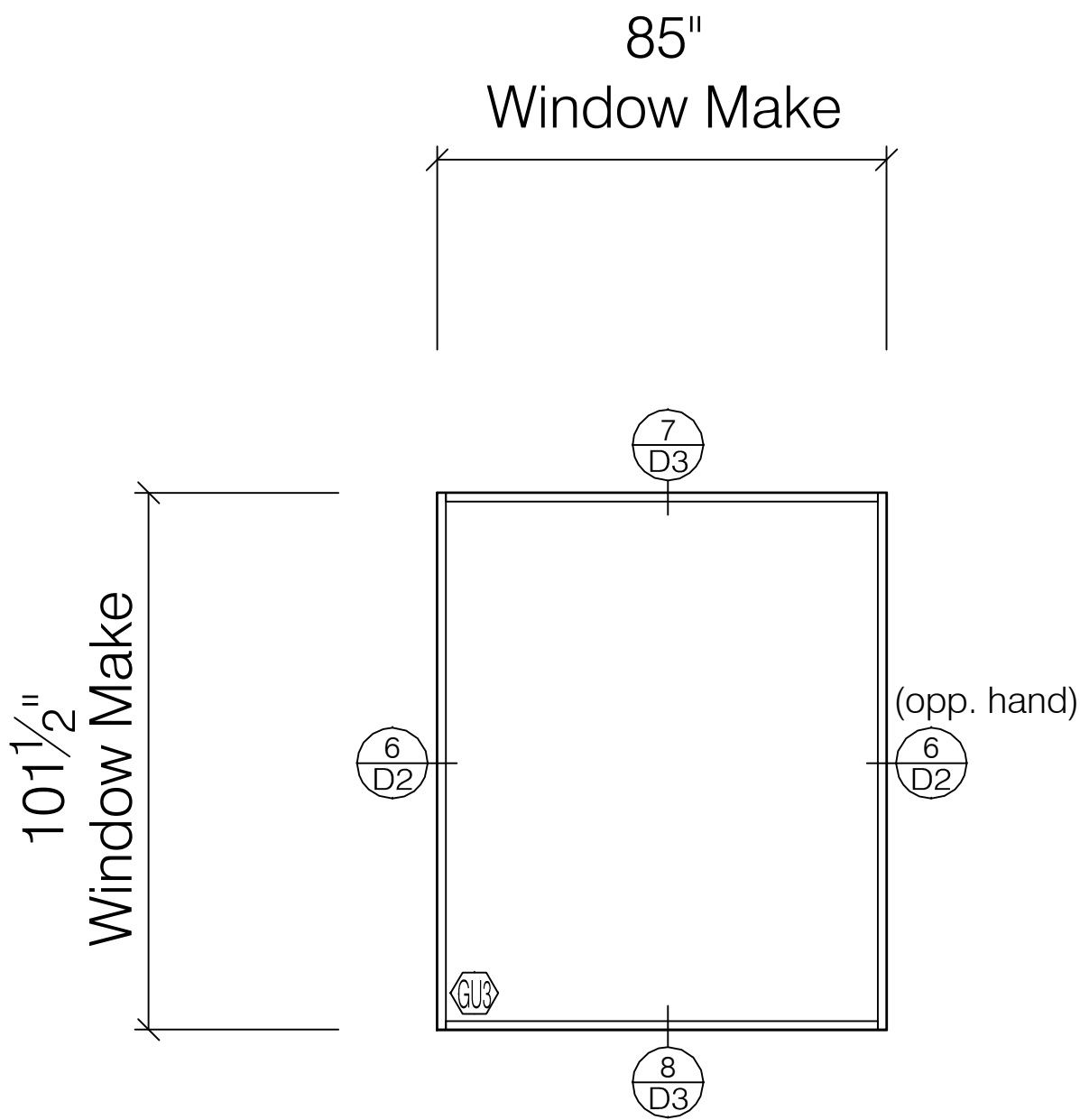
A1 2ND FLOOR WINDOW ELEVATION
PEERLESS 416A SERIES
OFFSET FIXED
SCALE: 3/8" = 1' - 0"
ARCH REF: 3RD FLOOR
TOTAL: 16 TOTAL



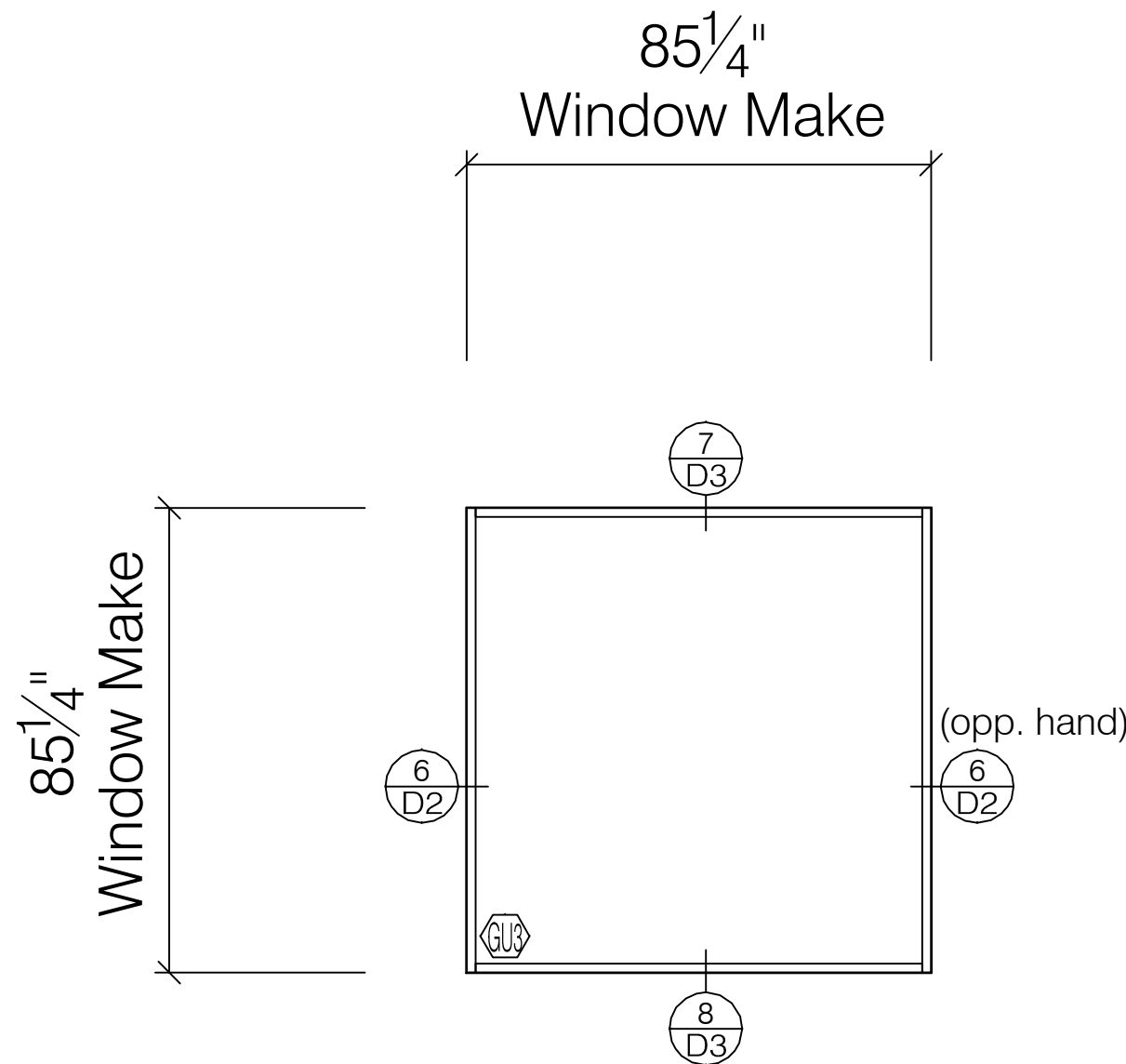
A2 2ND FLOOR WINDOW ELEVATION
PEERLESS 416A SERIES
OFFSET FIXED
SCALE: 3/8" = 1' - 0"
ARCH REF: 4TH FLOOR
TOTAL: 16 TOTAL



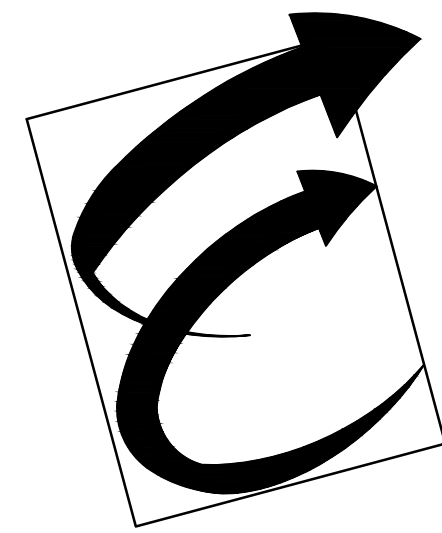
B 2ND FLOOR WINDOW ELEVATION
PEERLESS 4160 SERIES
FIXED
SCALE: 3/8" = 1' - 0"
ARCH REF: 2ND FLOOR
TOTAL: 8 TOTAL



B1 3RD FLOOR WINDOW ELEVATION
PEERLESS 4160 SERIES
FIXED
SCALE: 3/8" = 1' - 0"
ARCH REF: 3RD FLOOR
TOTAL: 8 TOTAL



B2 4TH FLOOR WINDOW ELEVATION
PEERLESS 4160 SERIES
FIXED
SCALE: 3/8" = 1' - 0"
ARCH REF: 4TH FLOOR
TOTAL: 8 TOTAL



Environmental Glass, Inc.
12235 Stark Road
Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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DRAWINGS PREPARED BY:



Charrette Studios, Inc.
23581 Donaldson St.
Clinton Township, MI. 48035
(586) 790-4329
(586) 790-4346 (fx)

Revision or Issue:		
No.	Date	Subject
1	11-14-11	First Submittal
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
**Broderick Tower
Redevelopment Project**
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

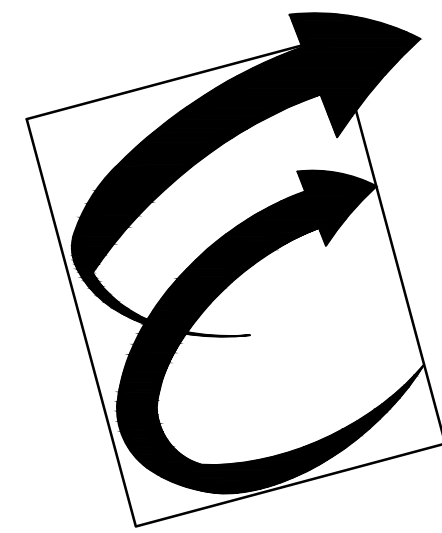
ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
**2ND, 3RD & 4TH FLR
ELEVATIONS**

SCALE: 3/8" = 1' - 0"
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
E1



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10 WITHERELL / 1556 WOODWARD
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PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

2ND, 3RD & 4TH FLR
DETAILS

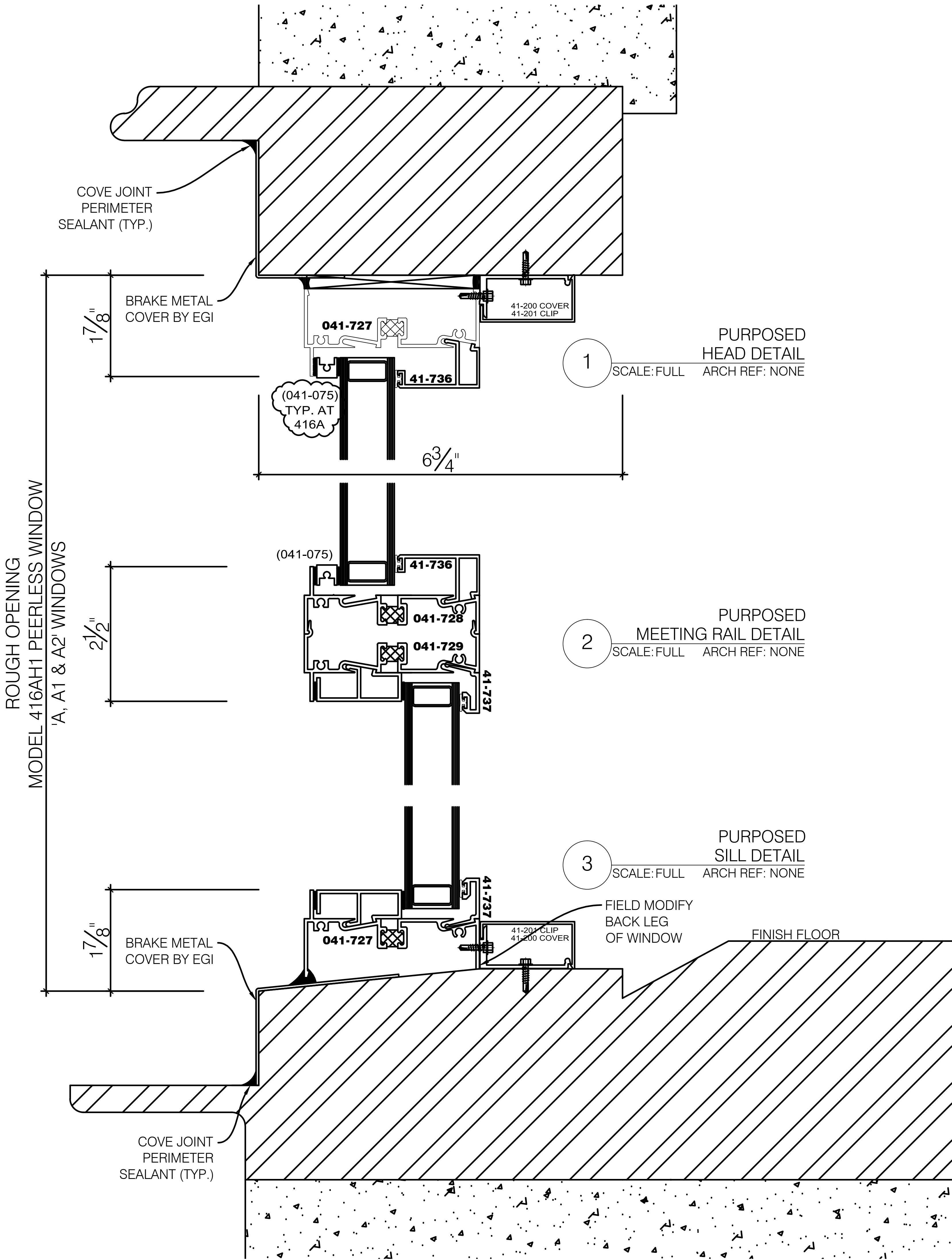
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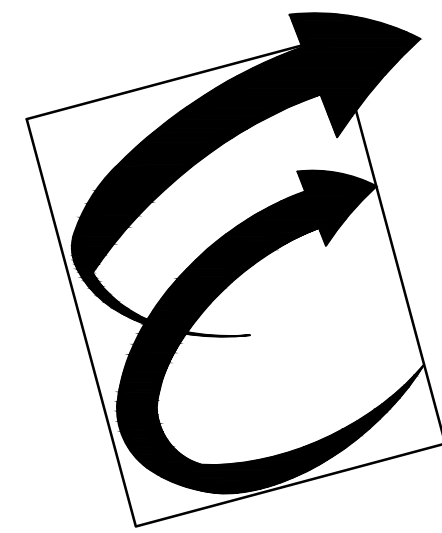
CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
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DRAWING NO:

D1

35





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DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

2ND, 3RD & 4TH FLR
DETAILS

SCALE: FULL

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:

D2

4 PROPOSED JAMB
UPPER SASH DETAIL
SCALE: FULL ARCH REF: NONE

5 PROPOSED JAMB
LOWER SASH DETAIL
SCALE: FULL ARCH REF: NONE

6 PROPOSED JAMB
FIXED DETAIL
SCALE: FULL ARCH REF: NONE

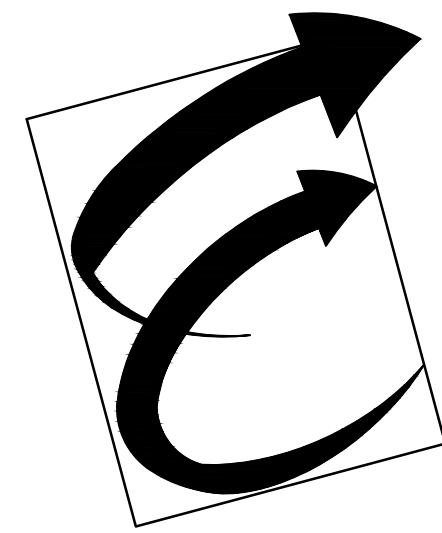
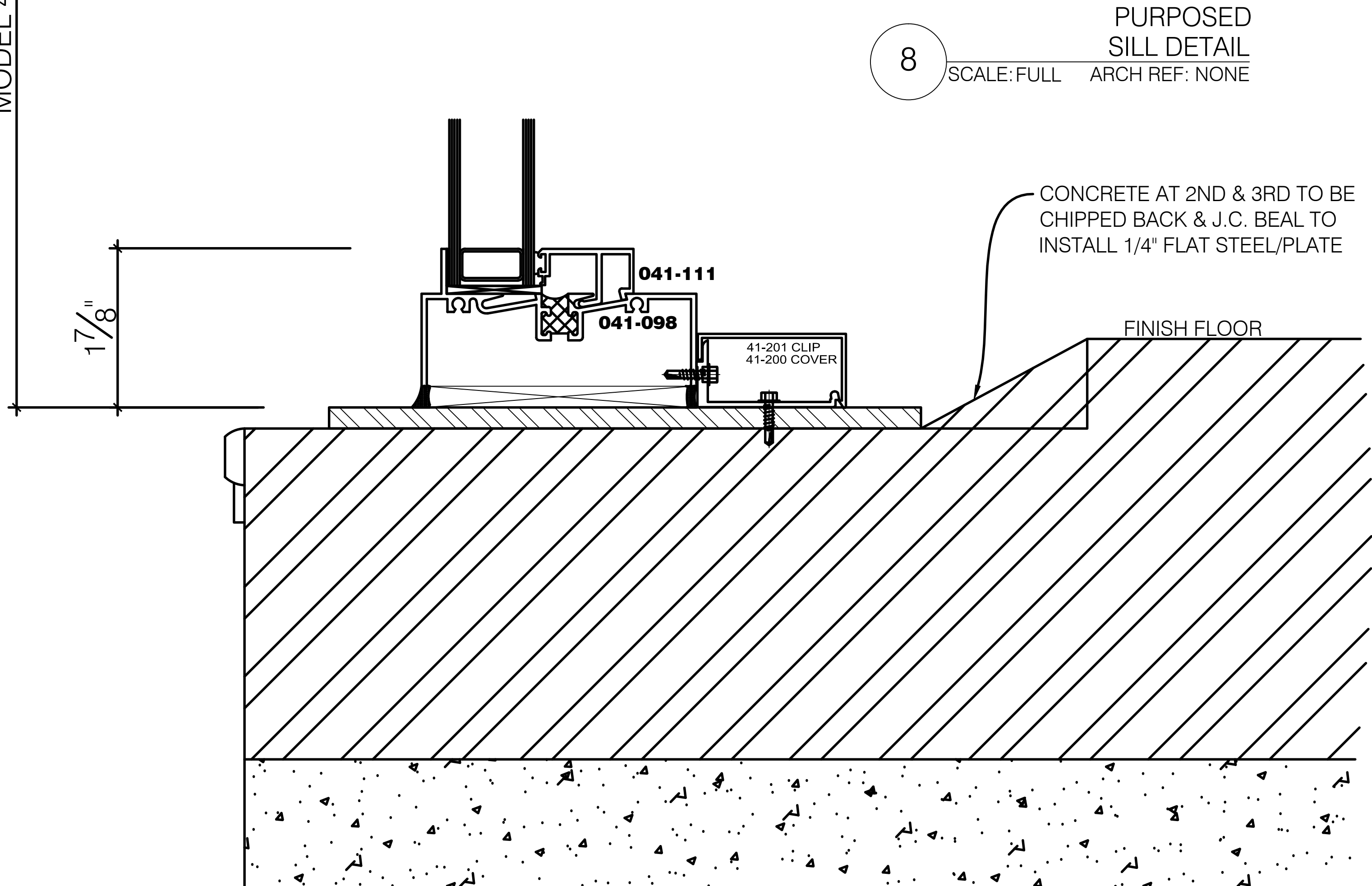
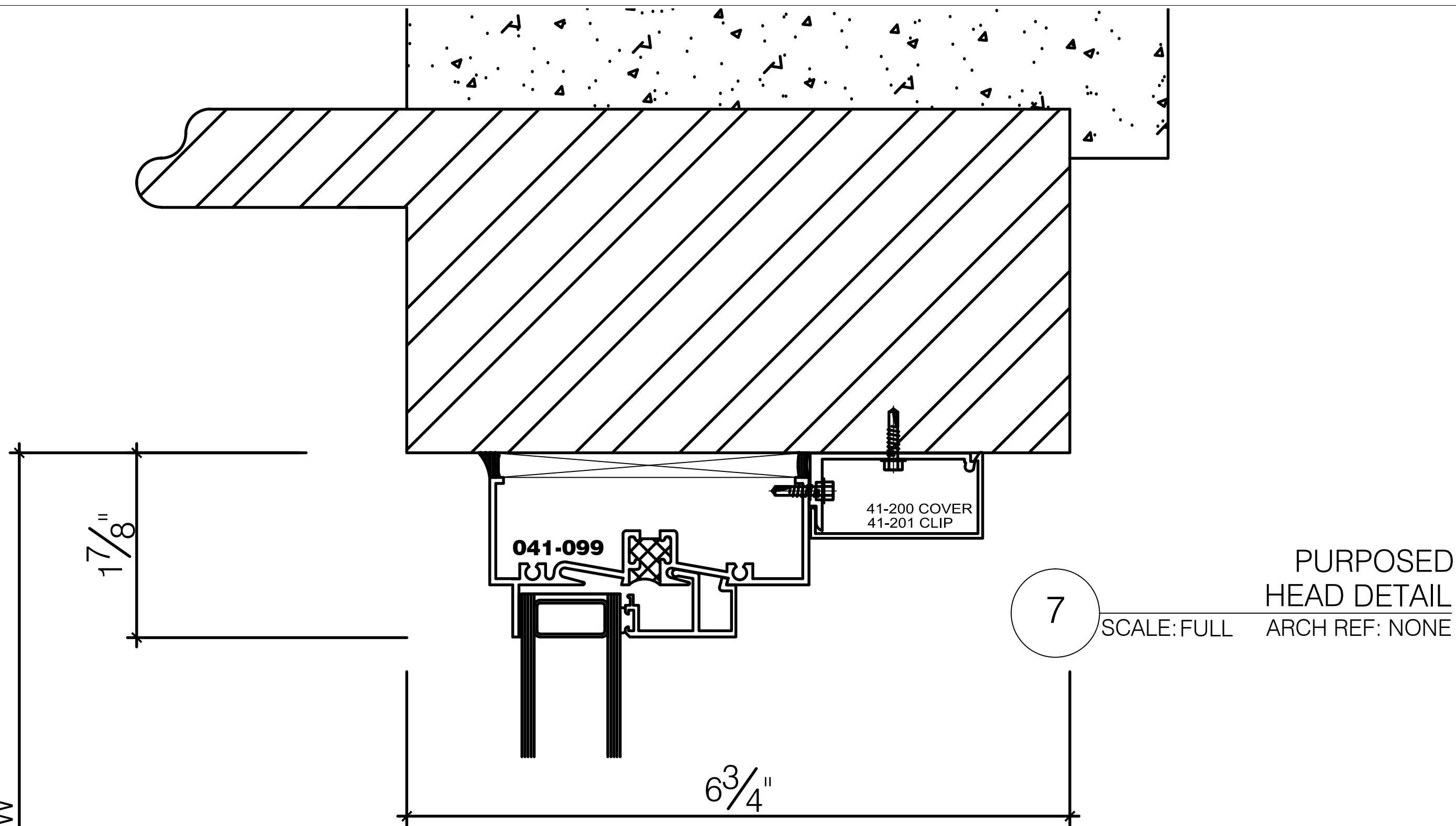
27 1/2" ROUGH OPENING
MODEL 416AH1 PEERLESS WINDOW
'A, A1 & A2' WINDOWS

85 1/2" ROUGH OPENING
MODEL 4160 FIXED PEERLESS WINDOW
'B, B1 & B2' WINDOWS

COVE JOINT
PERIMETER
SEALANT (TYP.)

COVE JOINT
PERIMETER
SEALANT (TYP.)

ROUGH OPENING
MODEL 4160 FIXED PEERLESS WINDOW
B, B1 & B2 WINDOWS



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10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
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DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

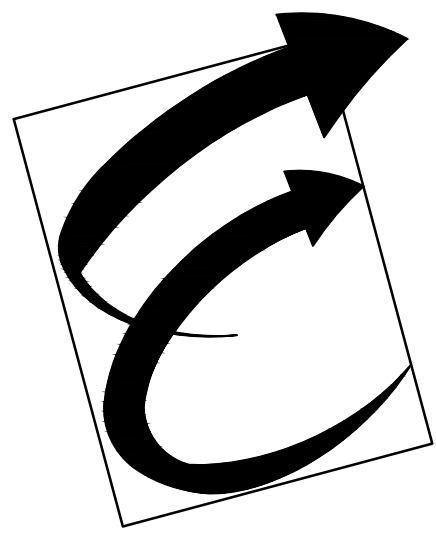
GENERAL CONTRACTOR:
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277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
**2ND, 3RD & 4TH FLR
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
D3
35



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Broderick Tower
Redevelopment
Project
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:

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DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

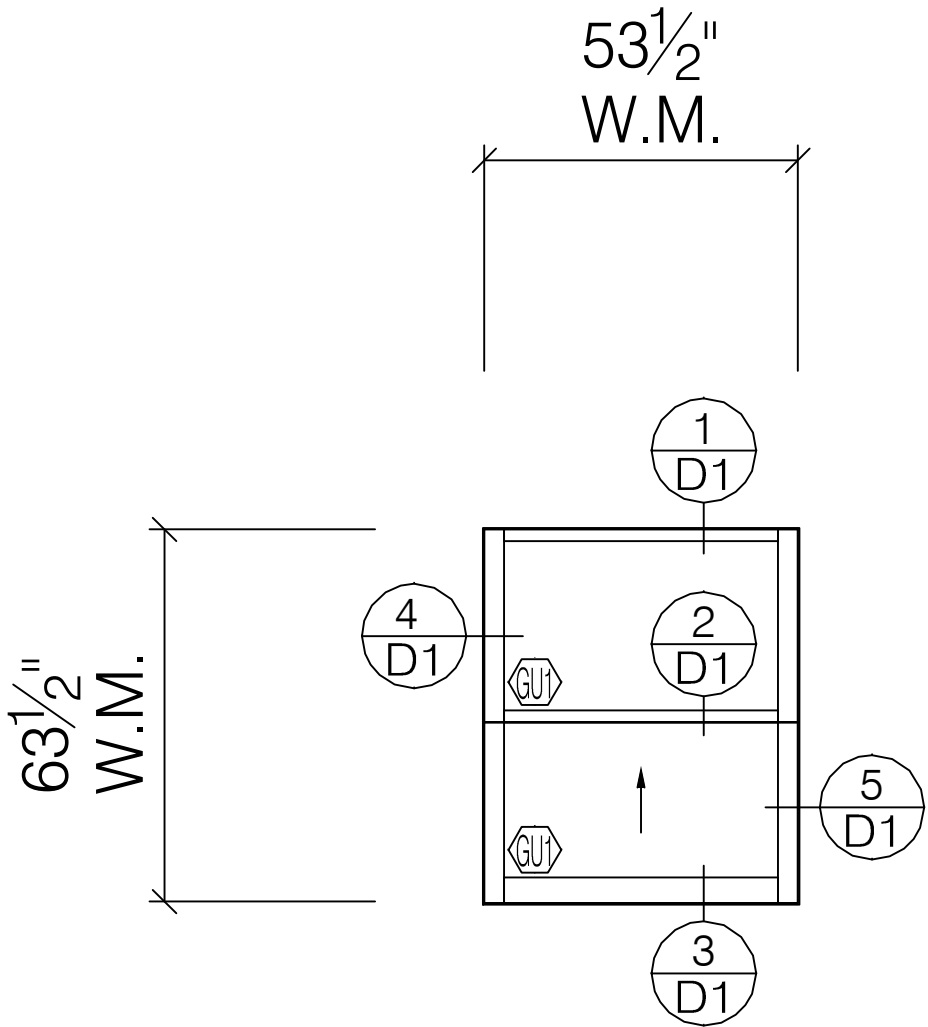
ELEVATIONS
5TH - 32ND FLOORS

SCALE: 3/8" = 1' - 0"

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:

E1



A

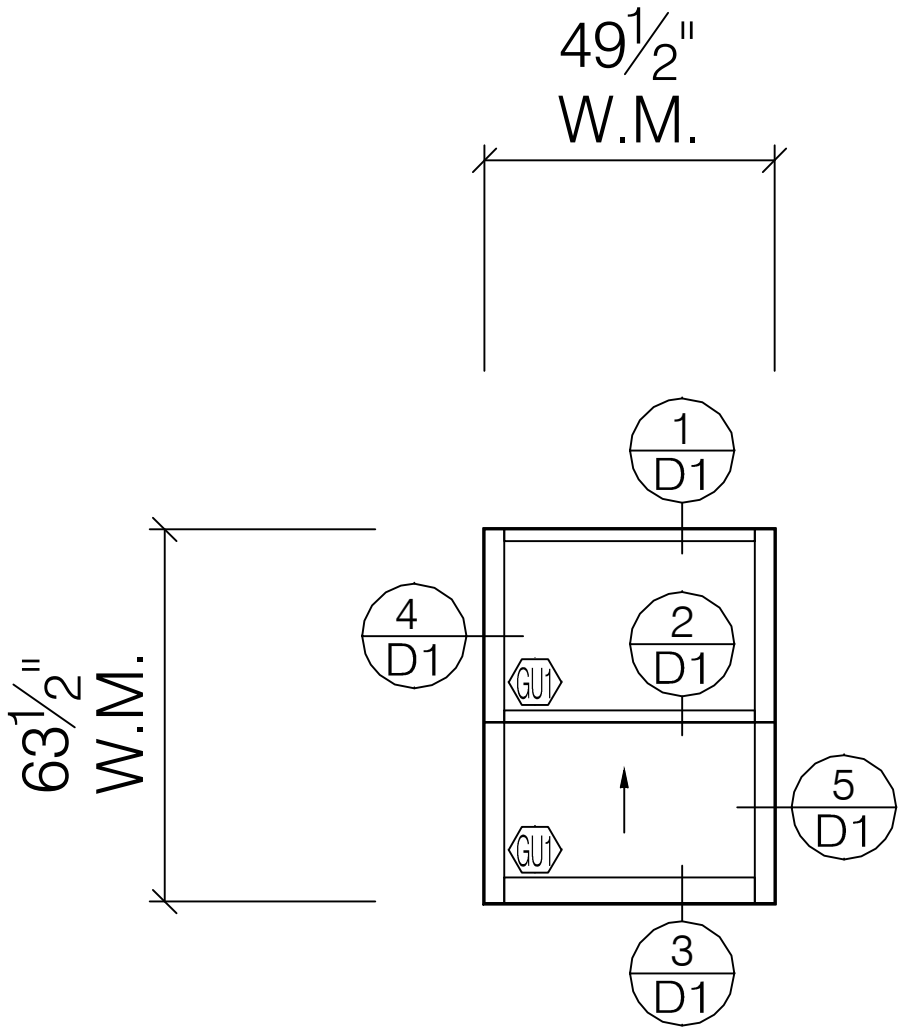
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG

WINDOW
ELEVATION

SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 576 TOTAL

+1 ATTIC STOCK



B

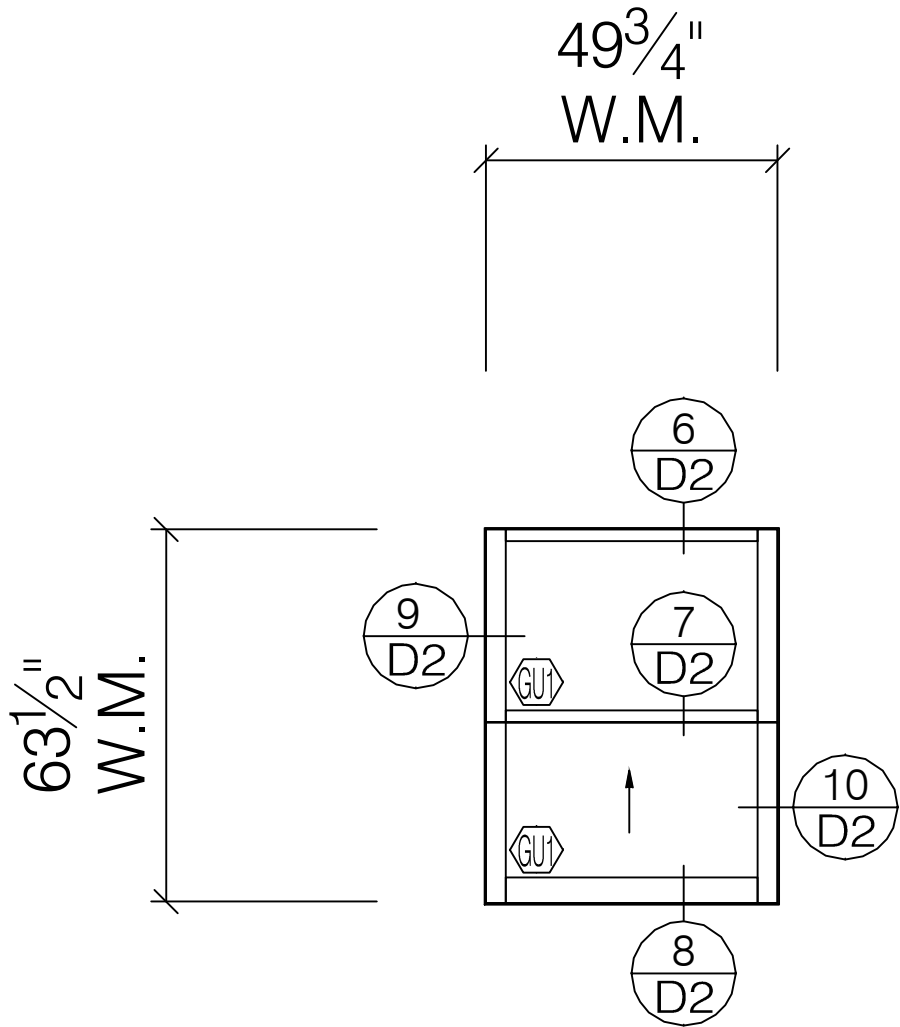
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG

WINDOW
ELEVATION

SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 214 TOTAL

+1 ATTIC STOCK



B1

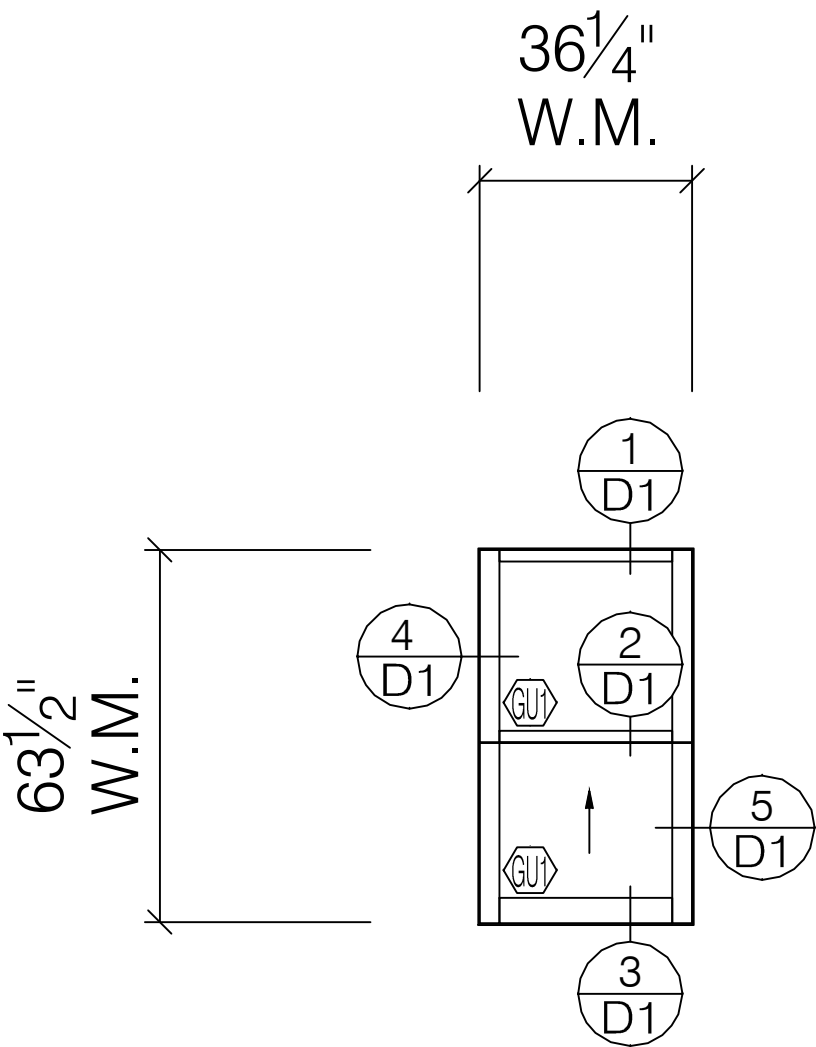
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG

WINDOW
ELEVATION

SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 31 TOTAL

+1 ATTIC STOCK



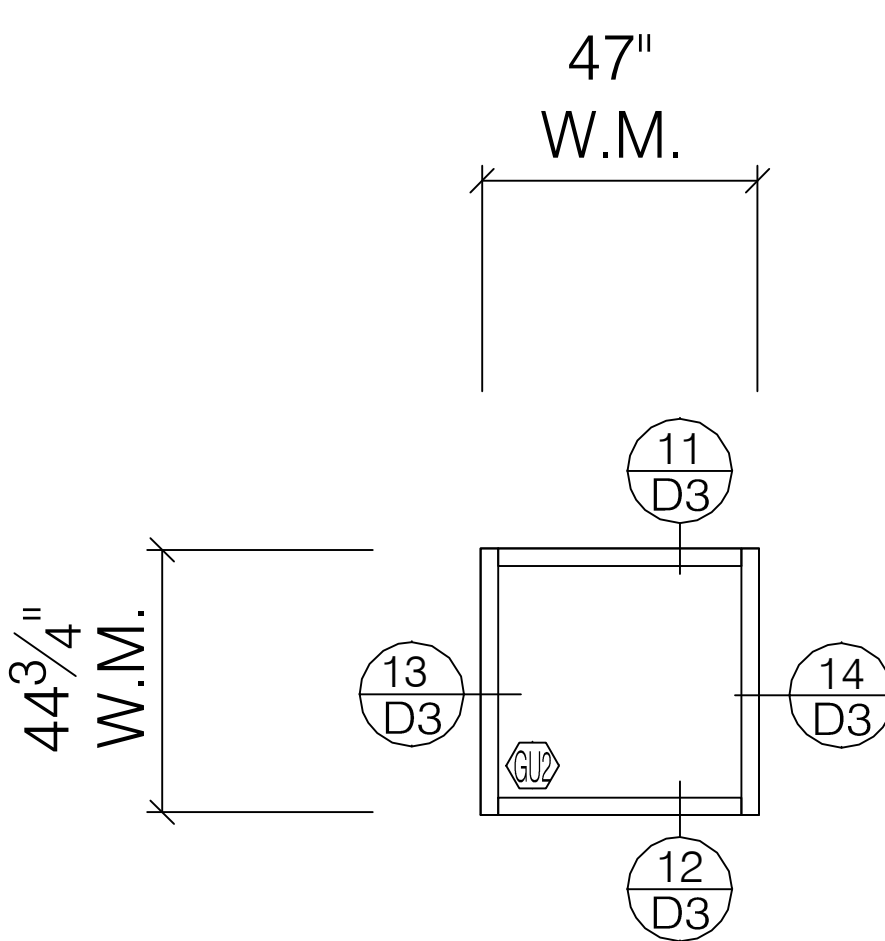
C

TRACO TR-9700 SERIES
BEVELED SINGLE HUNG

WINDOW
ELEVATION

SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



F

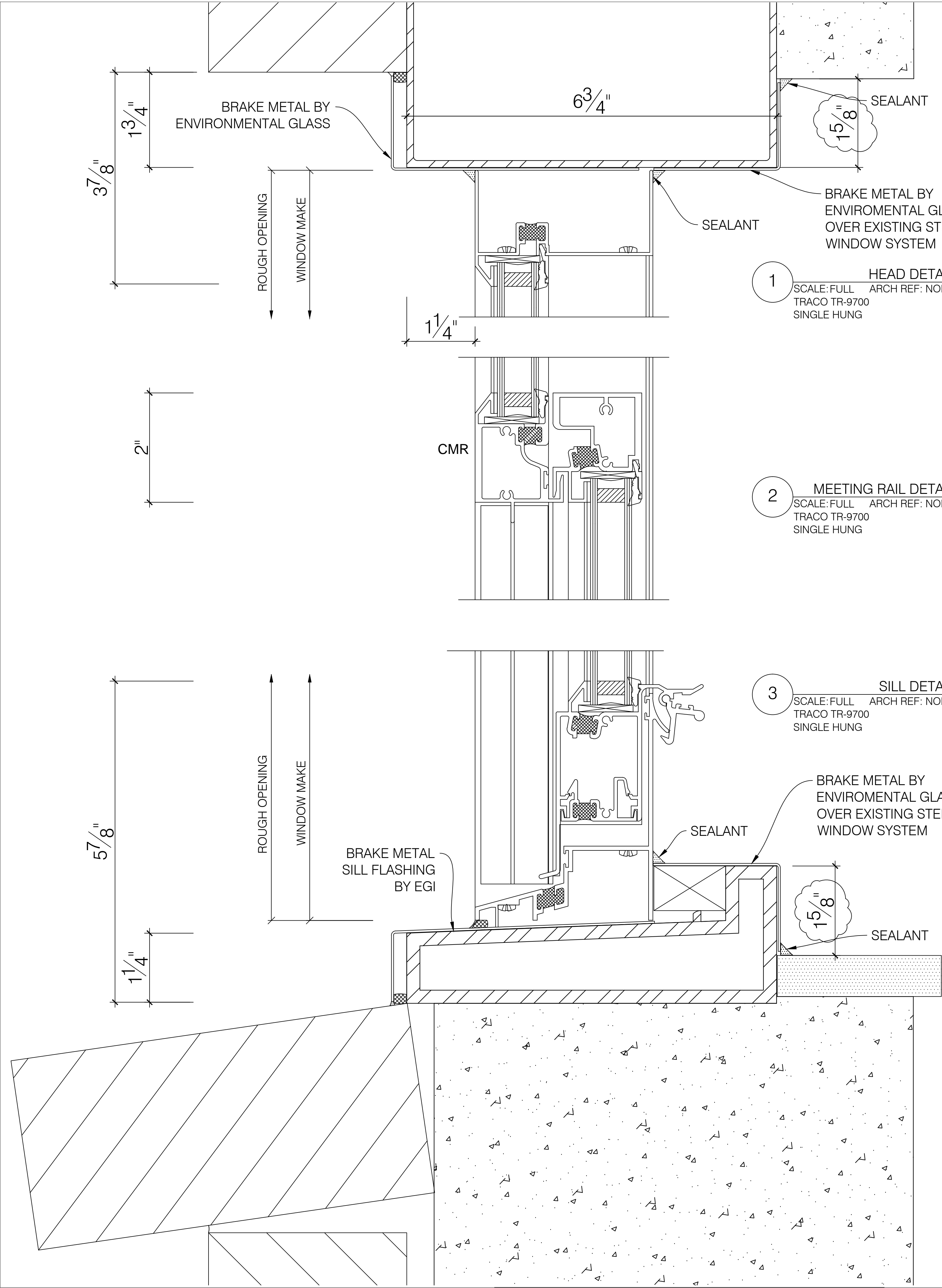
TRACO TR-7900 SERIES
FIXED WINDOW

WINDOW
ELEVATION

SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 1 TOTAL

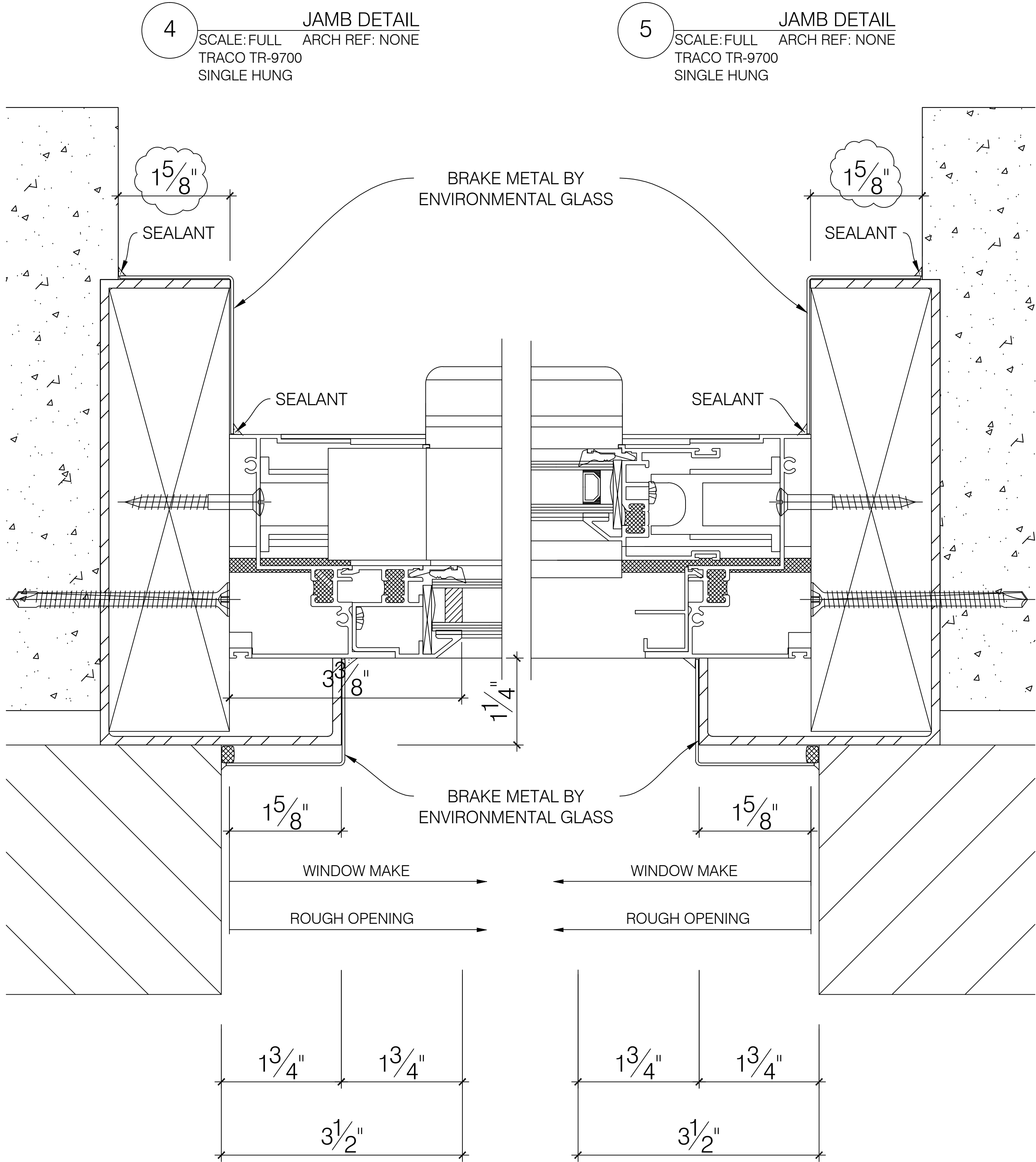
+1 ATTIC STOCK



1 HEAD DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-9700
SINGLE HUNG

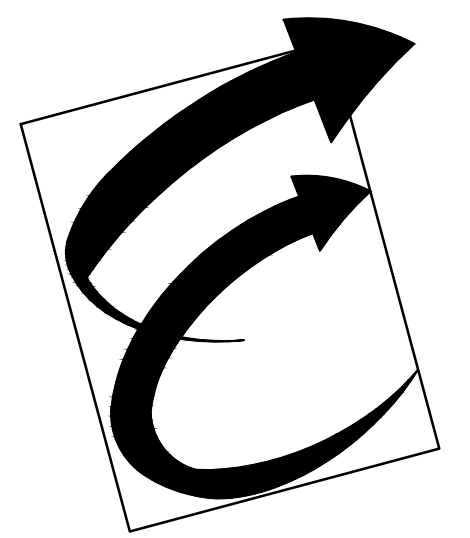
2 MEETING RAIL DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-9700
SINGLE HUNG

3 SILL DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-9700
SINGLE HUNG



4 JAMB DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-9700
SINGLE HUNG

5 JAMB DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-9700
SINGLE HUNG



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**Broderick Tower
Redevelopment
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10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
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DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

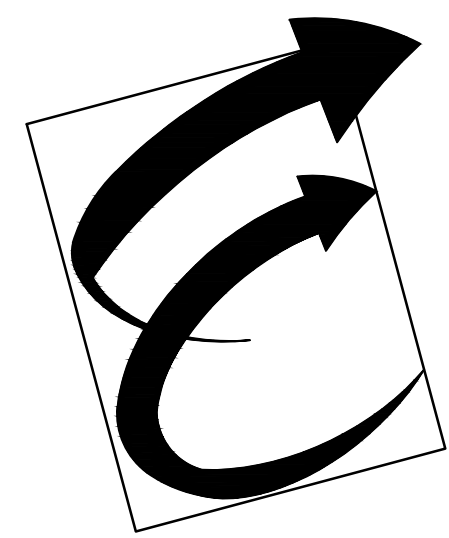
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
**5TH - 32ND FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
D1



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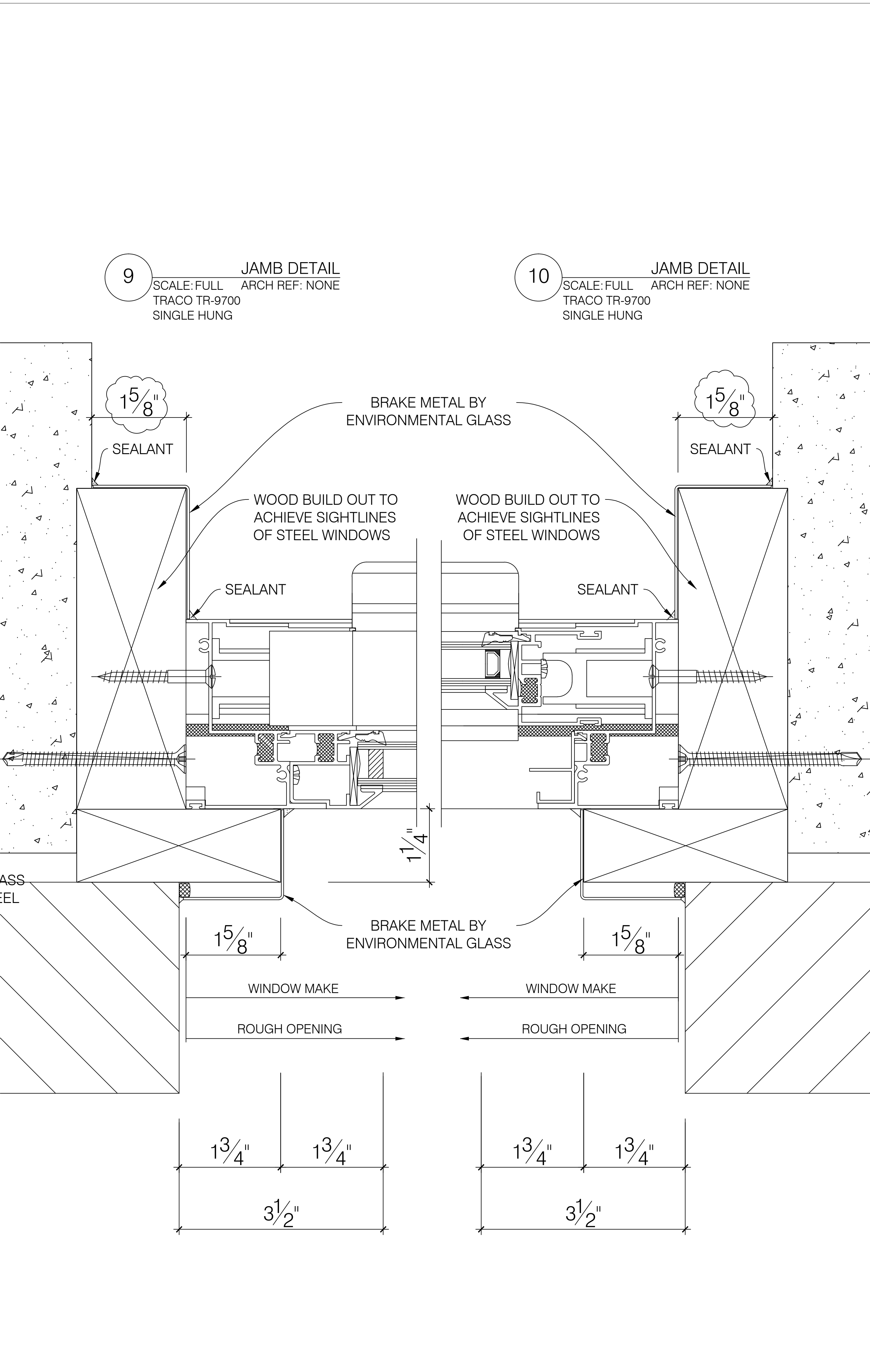
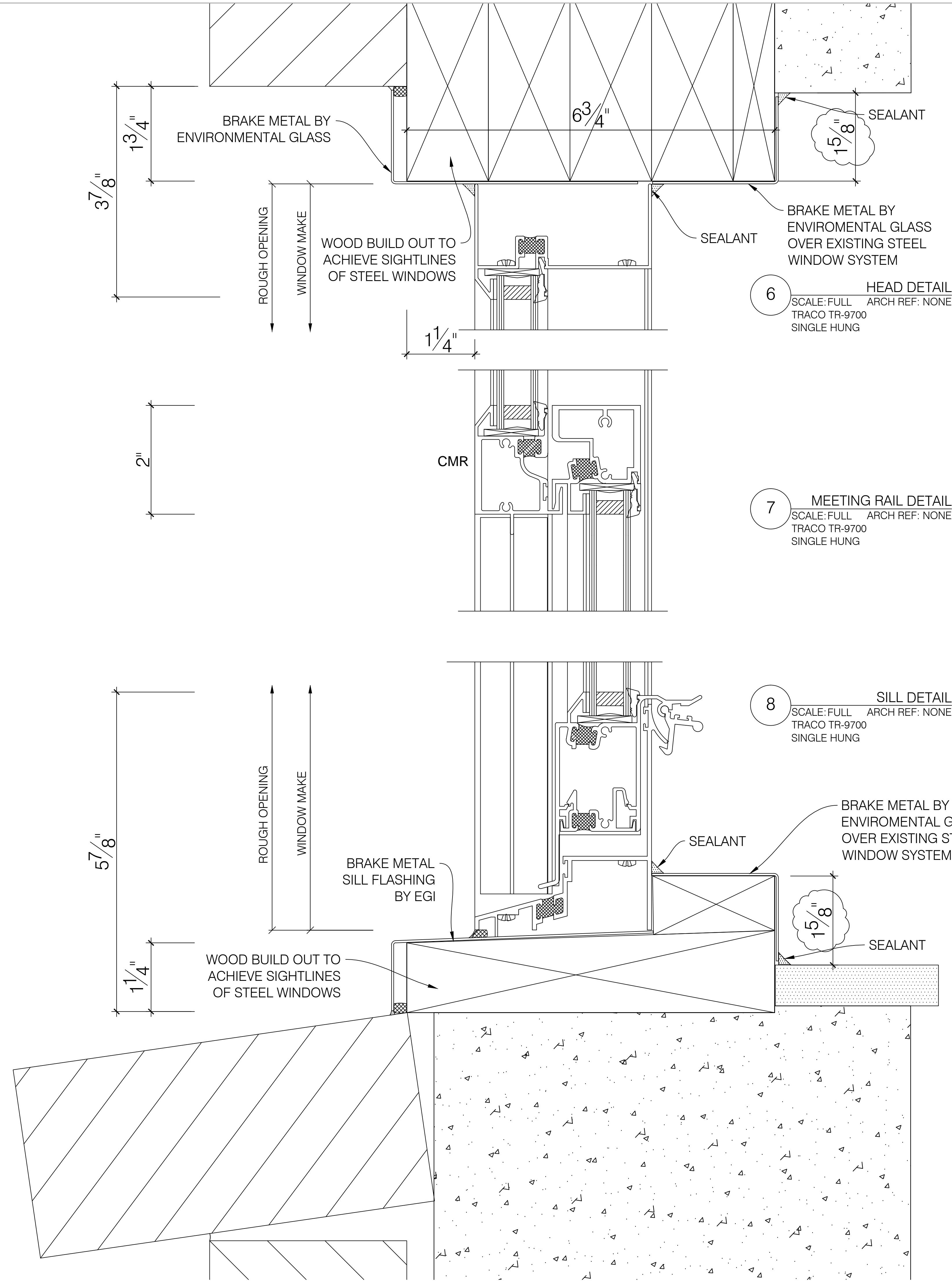
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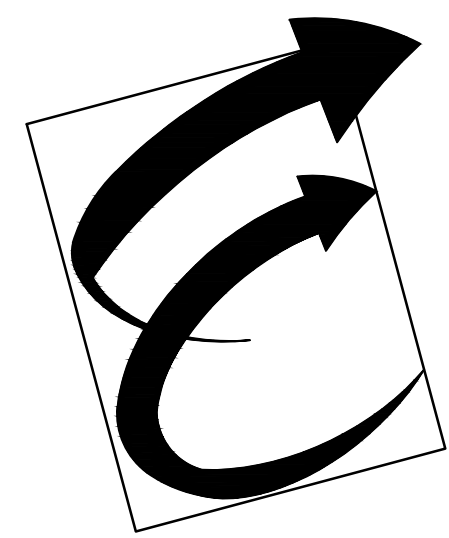
DRAWING TITLE:
**5TH - 32ND FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:

D2





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ARCHITECT:
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PH: 313-965-3399 | FAX: 313-965-3555

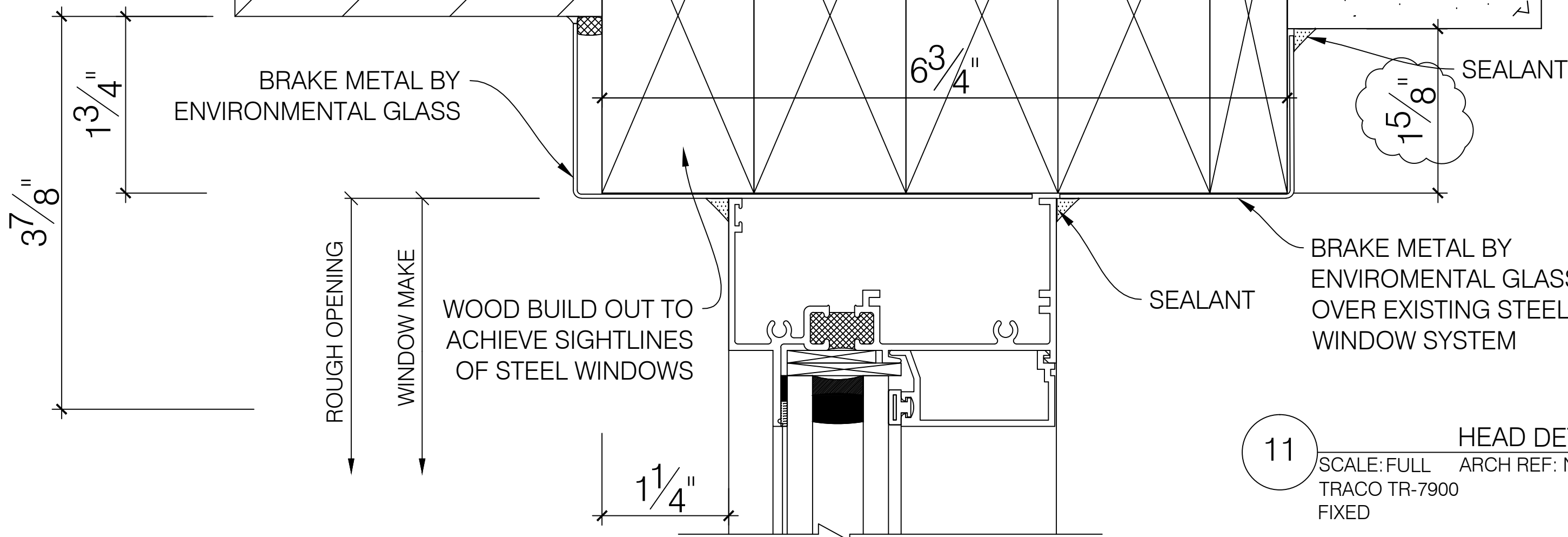
GENERAL CONTRACTOR:
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DETROIT, MICHIGAN 48226
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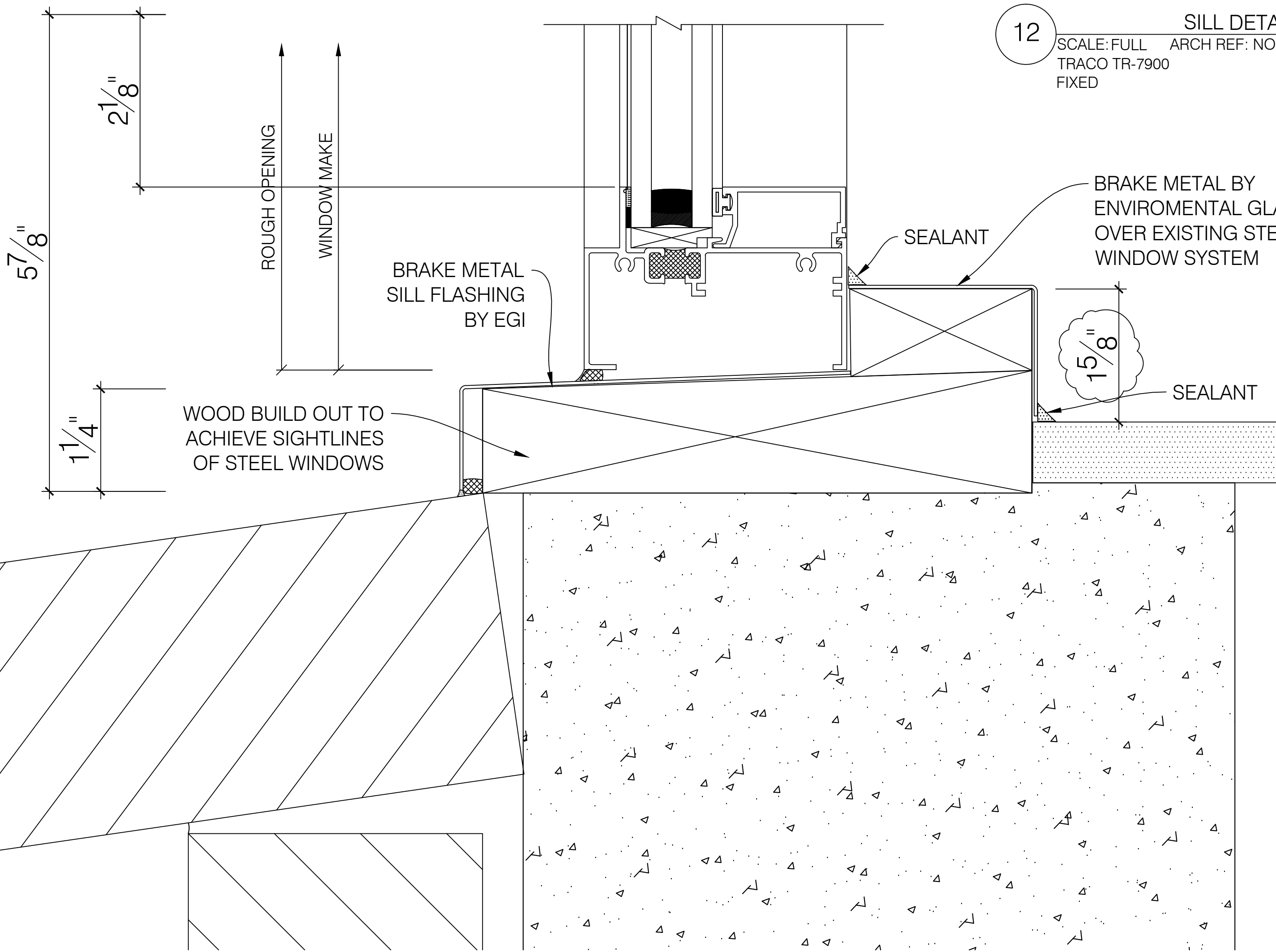
DRAWING TITLE:
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DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
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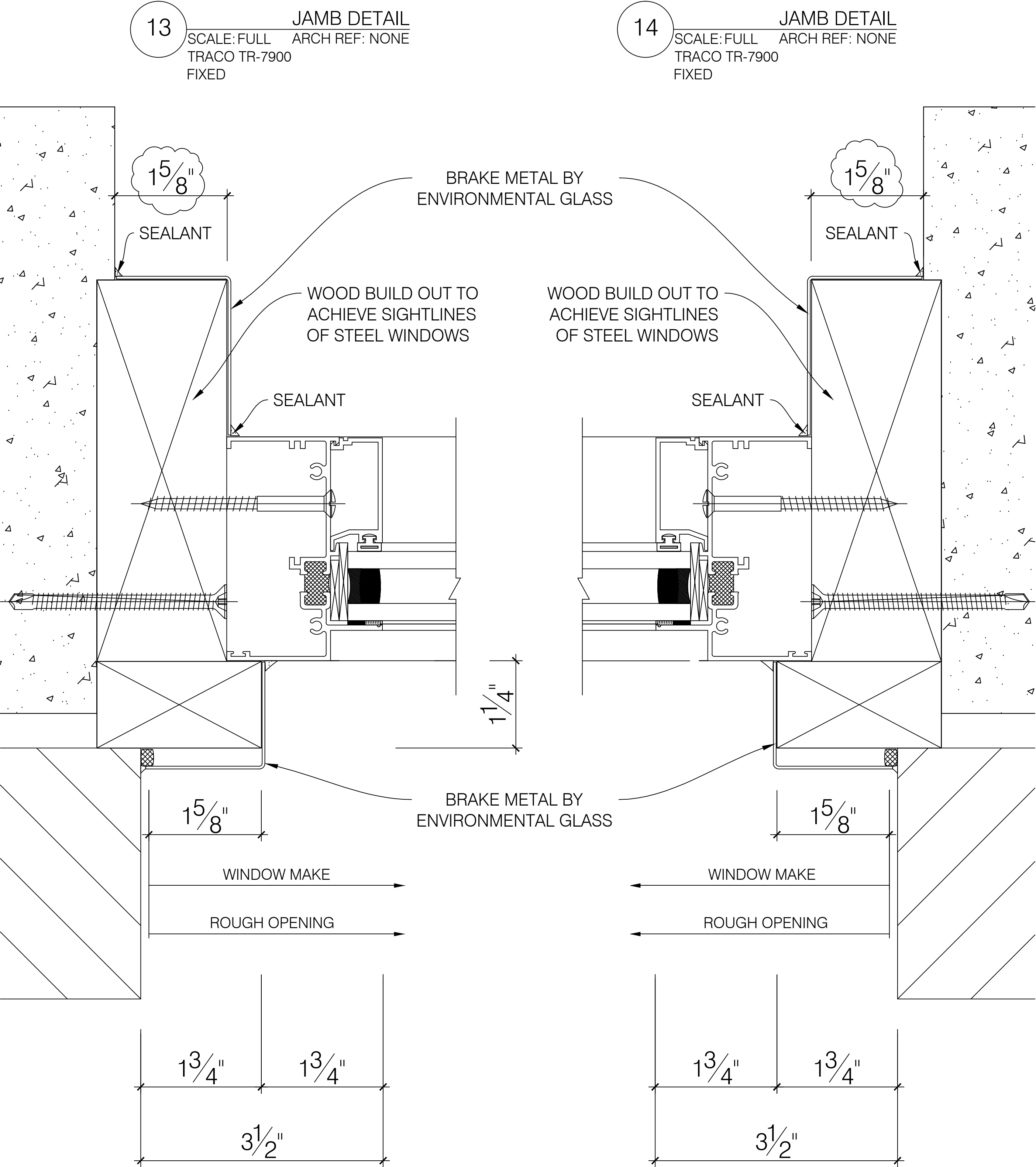
DRAWING NO:
D3

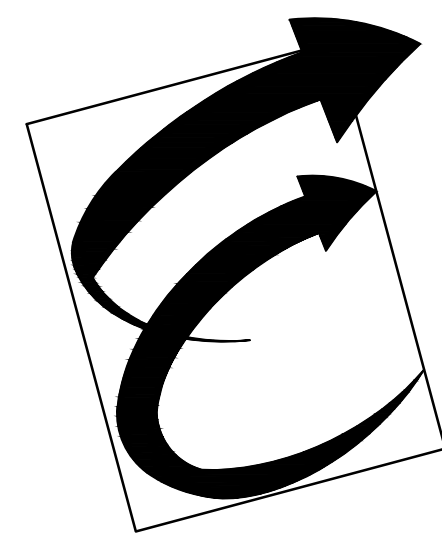
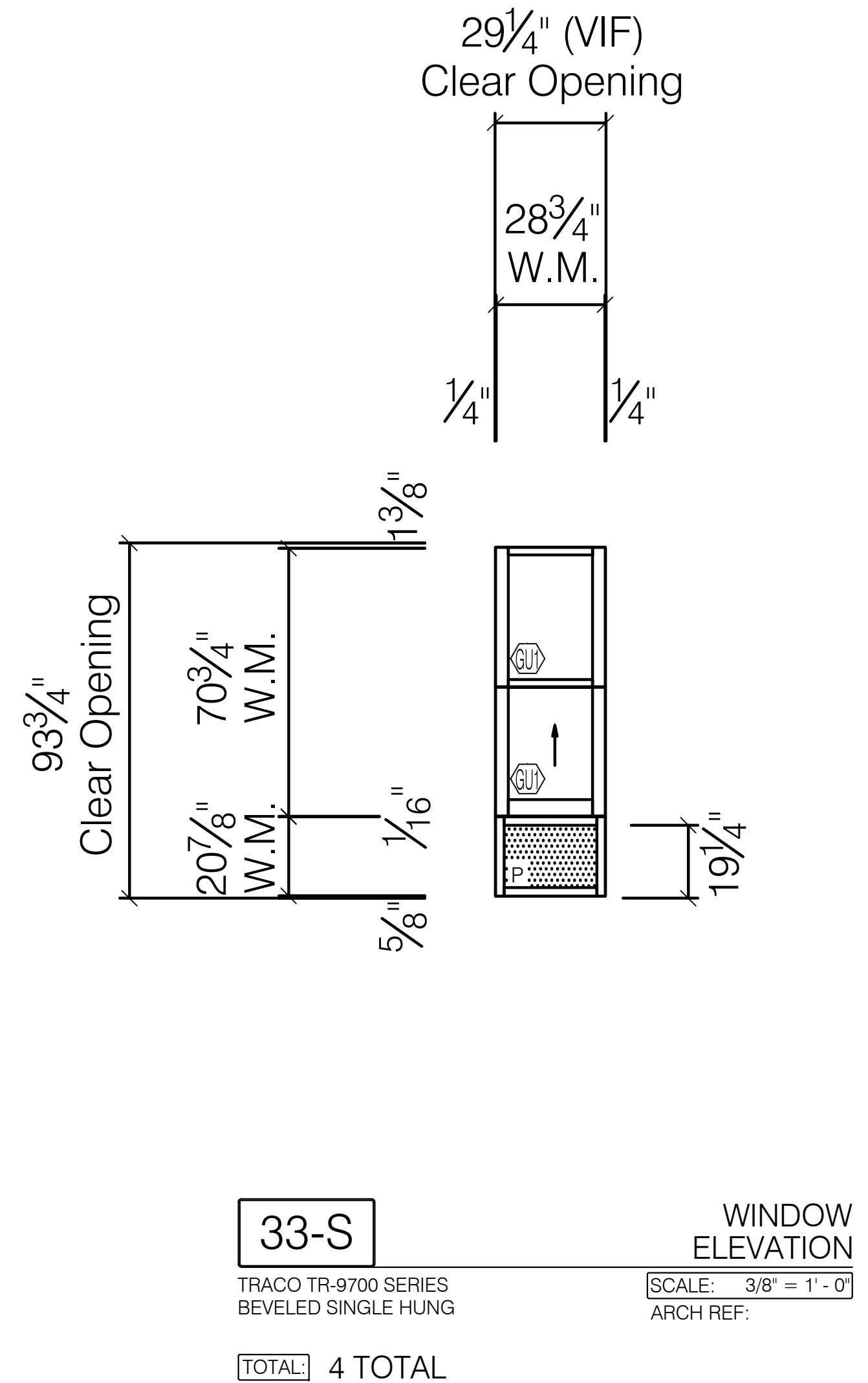
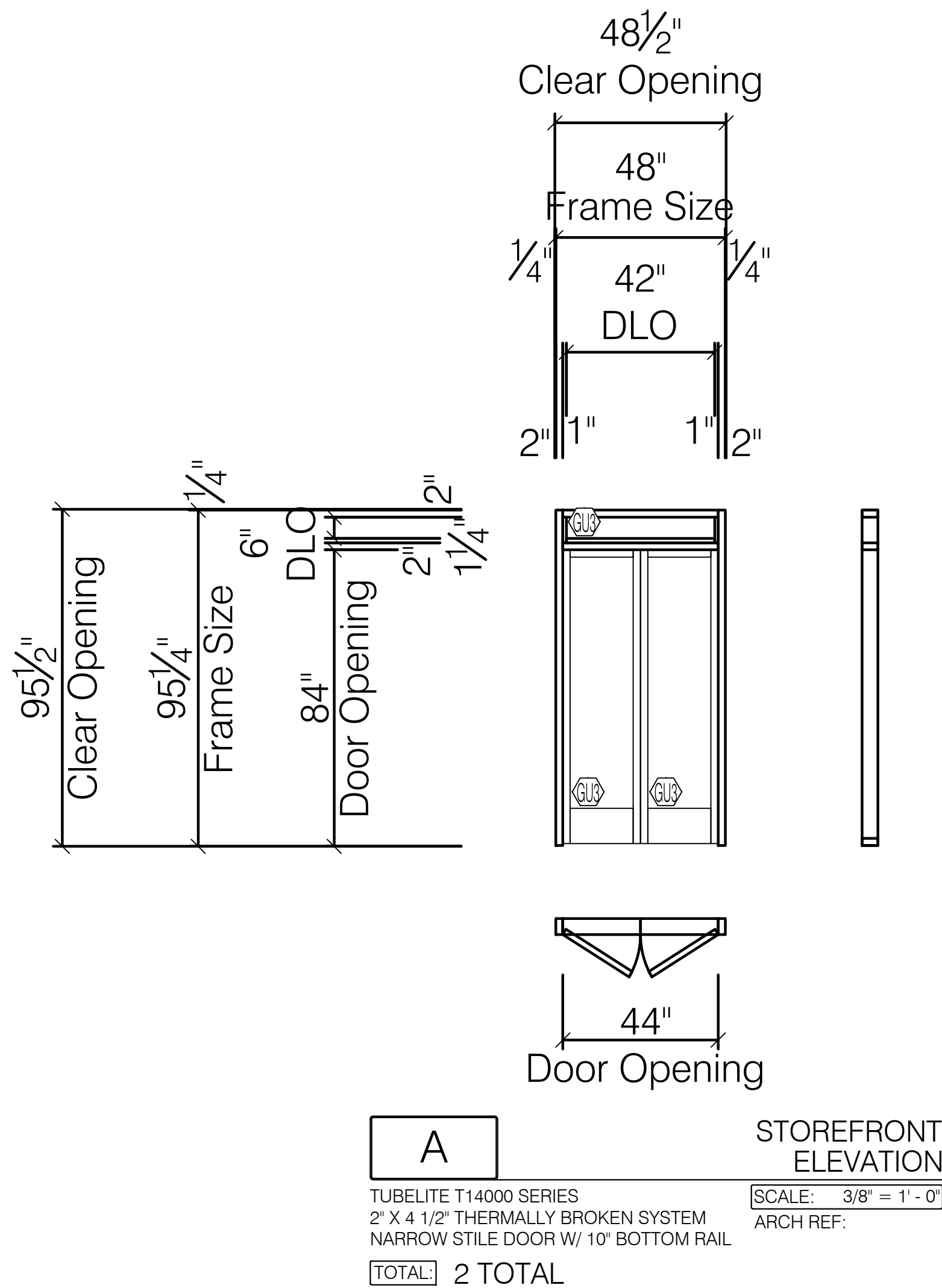
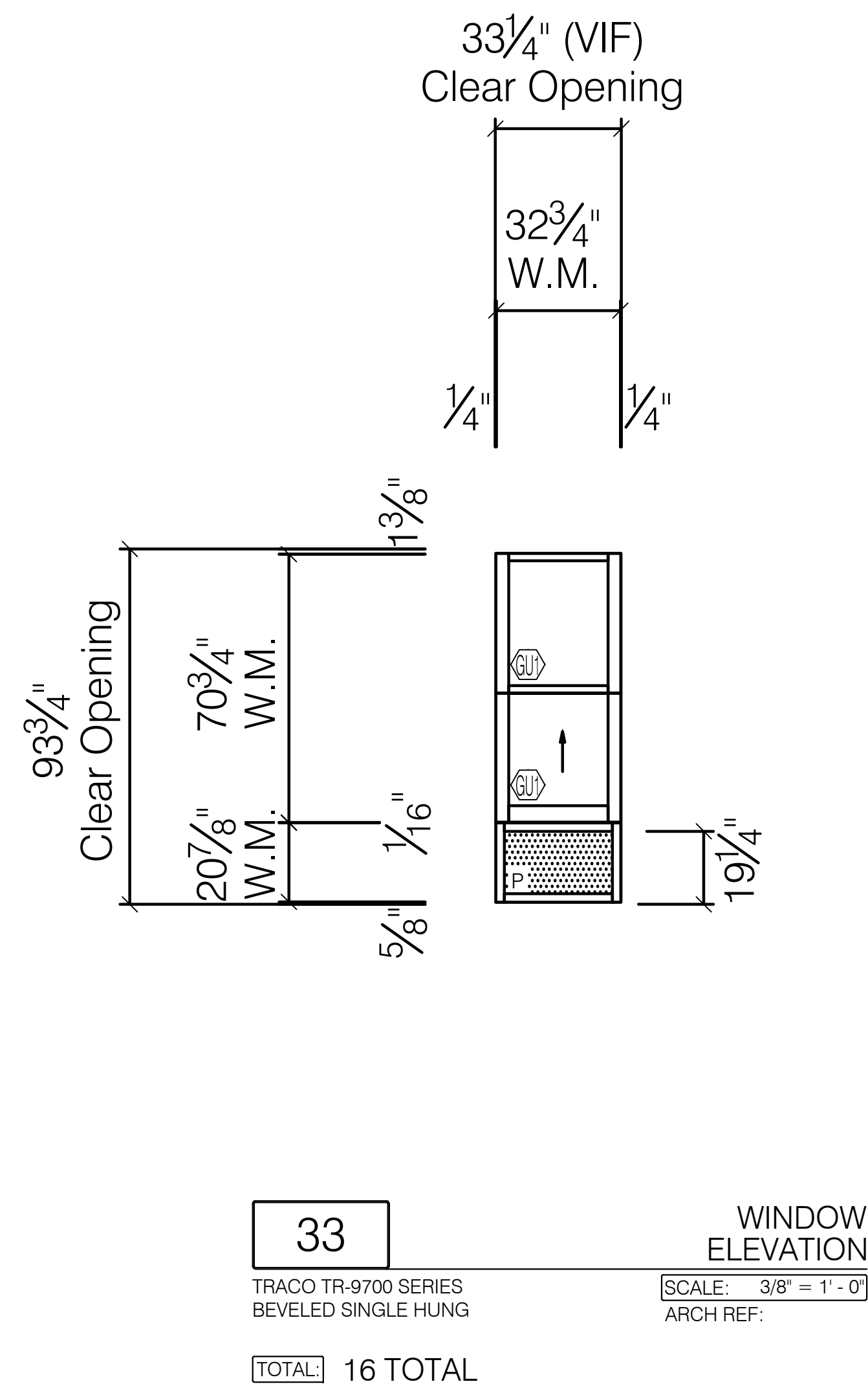
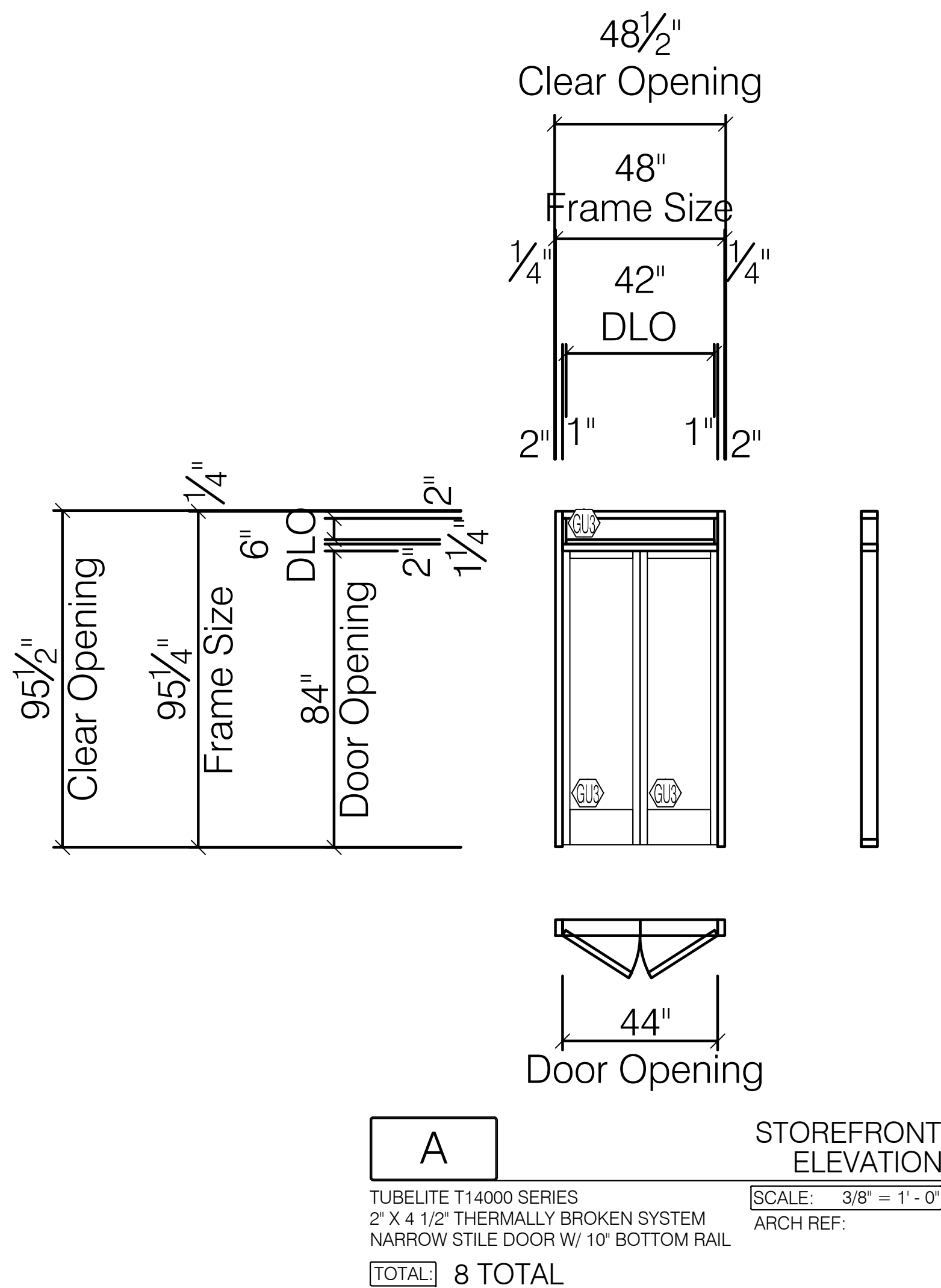
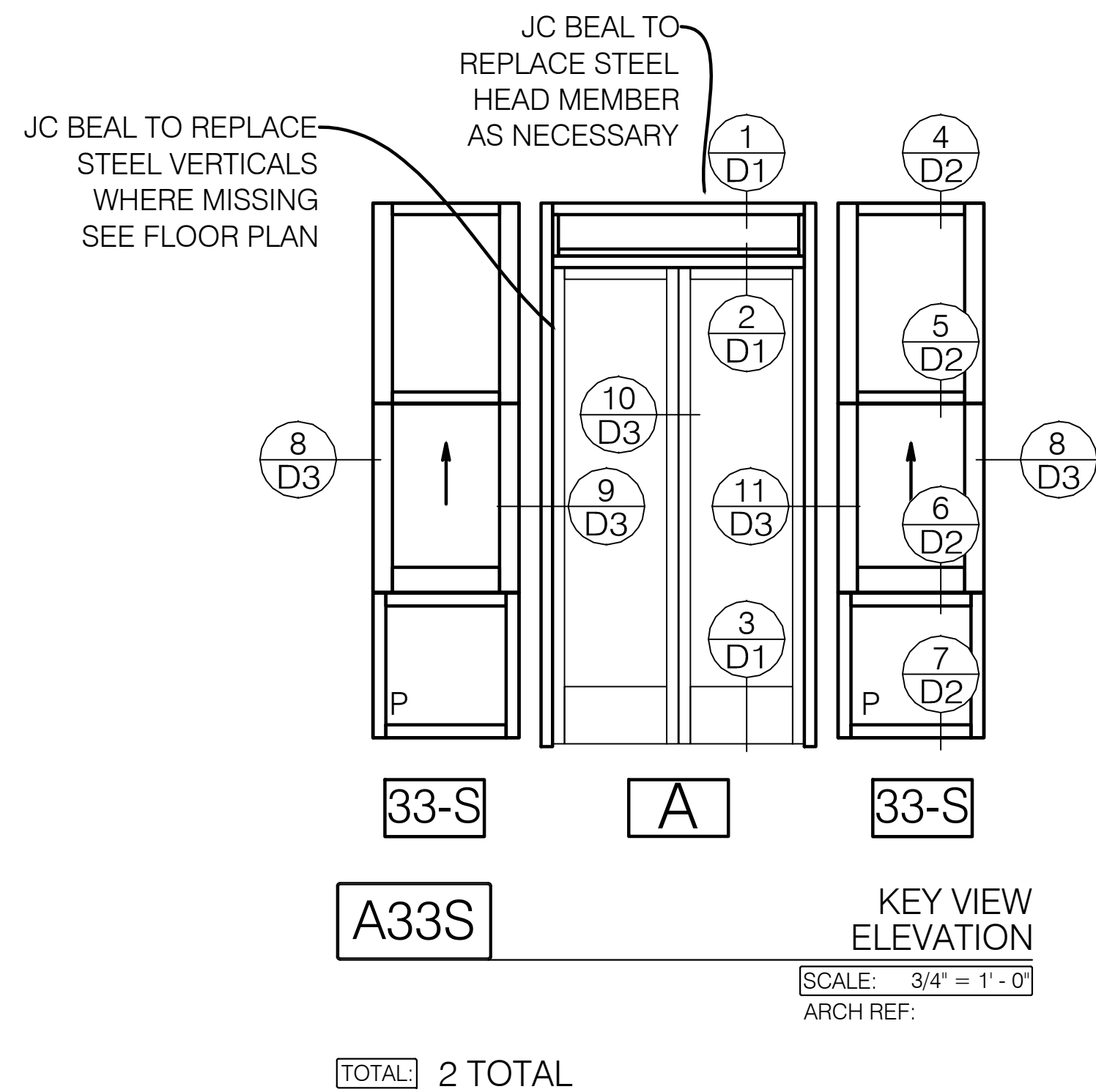
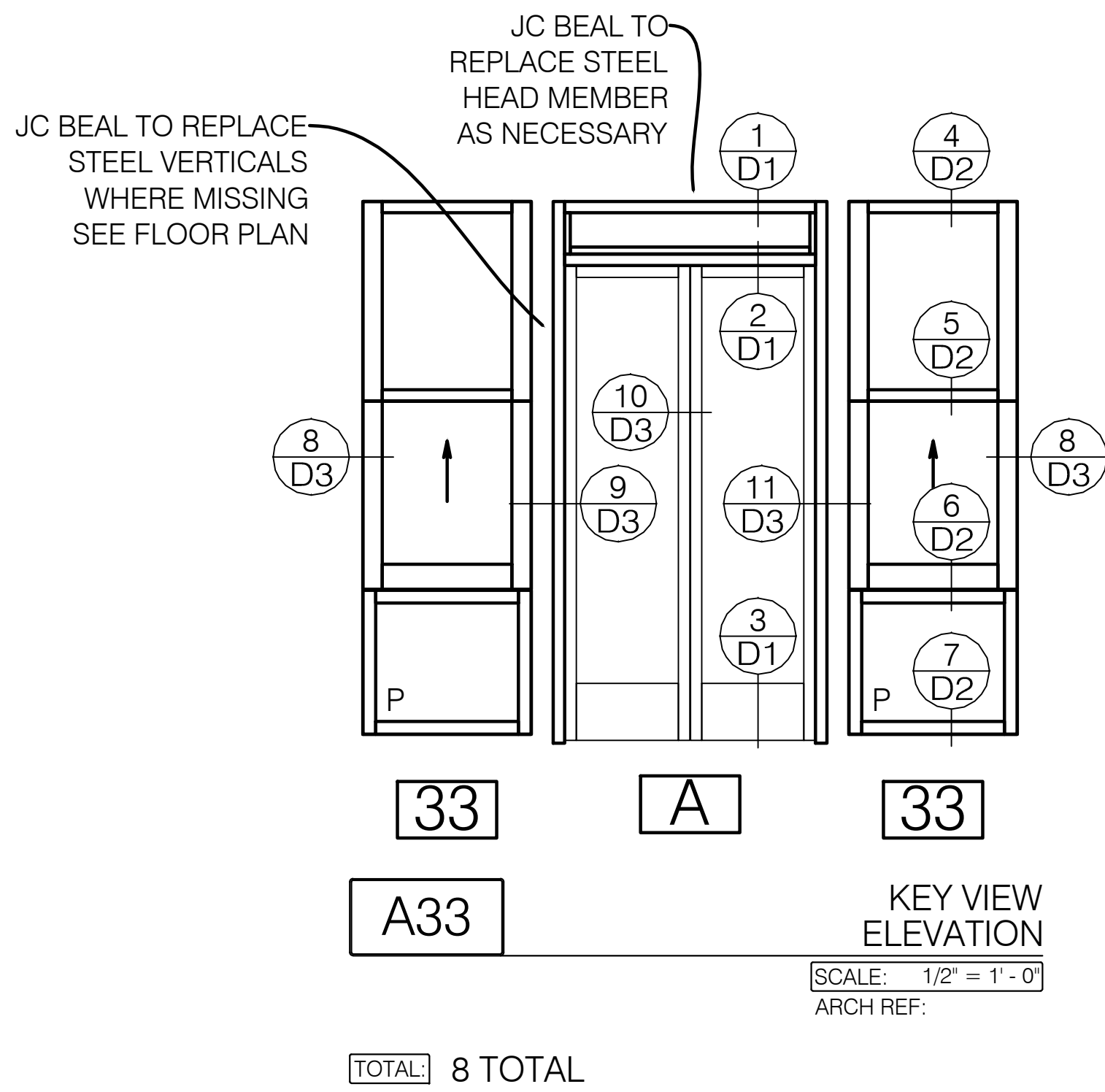


11 HEAD DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-7900
FIXED



12 SILL DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-7900
FIXED





Environmental Glass, Inc.
12235 Stark Road
Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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DRAWINGS PREPARED BY:

Charrette Studios, Inc.

Charrette Studios, Inc.
23581 Donaldson St.
Clinton Township, MI. 48035
(586) 790-4329
(586) 790-4346 (fx)

Revision or Issue:	
No.	Subject
1	09-14-11 First Submittal
2	10-26-11 Second Submittal
3	11-07-11 Third Submittal
10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
Broderick Tower
Redevelopment
Project
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48206
PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48206
PH: 313-963-8961 | FAX: 313-963-3144

DRAWING TITLE:
ELEVATIONS
33RD & 34TH FLOORS

SCALE: AS NOTED

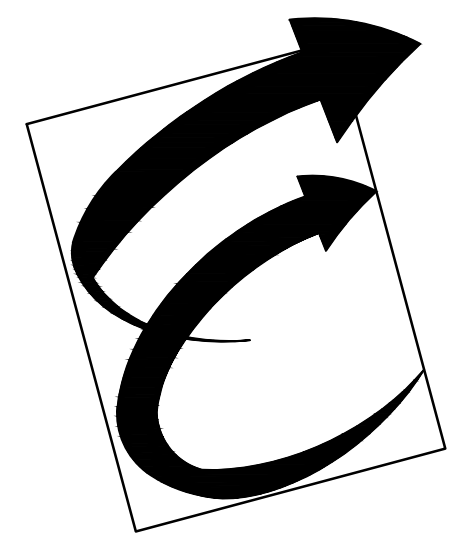
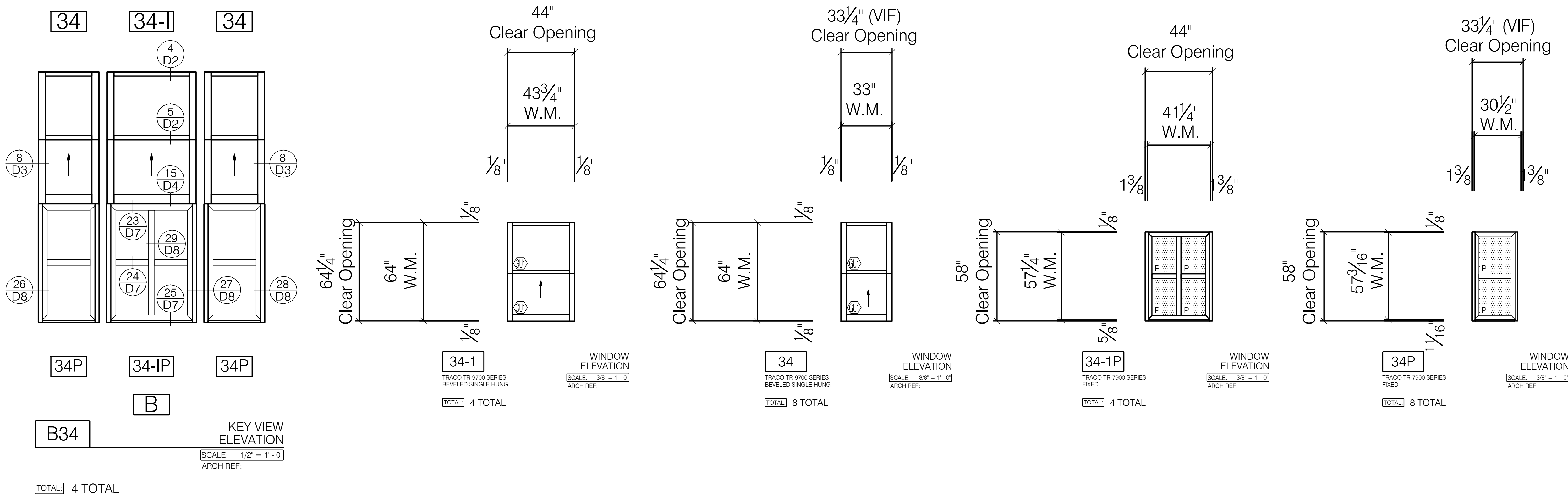
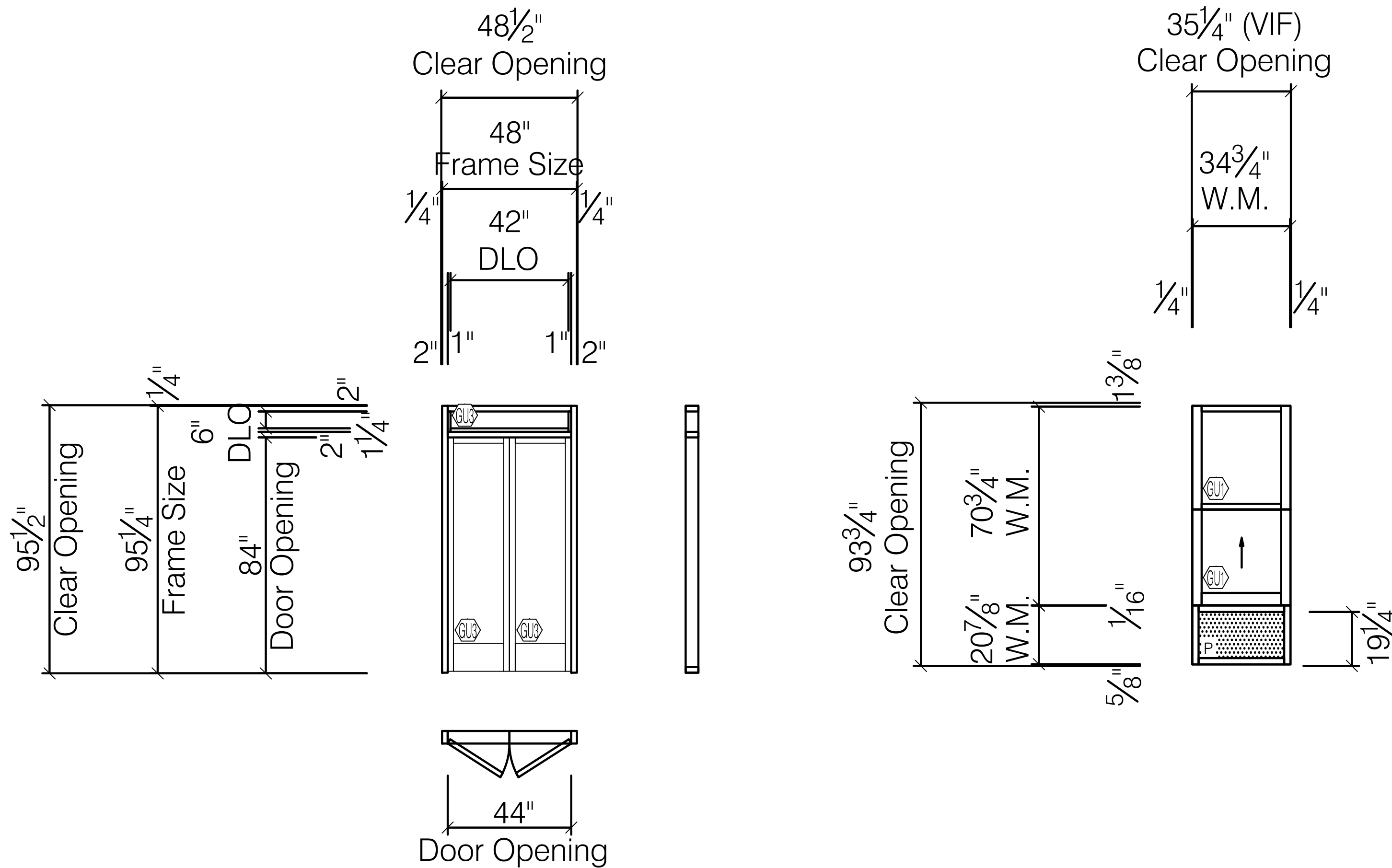
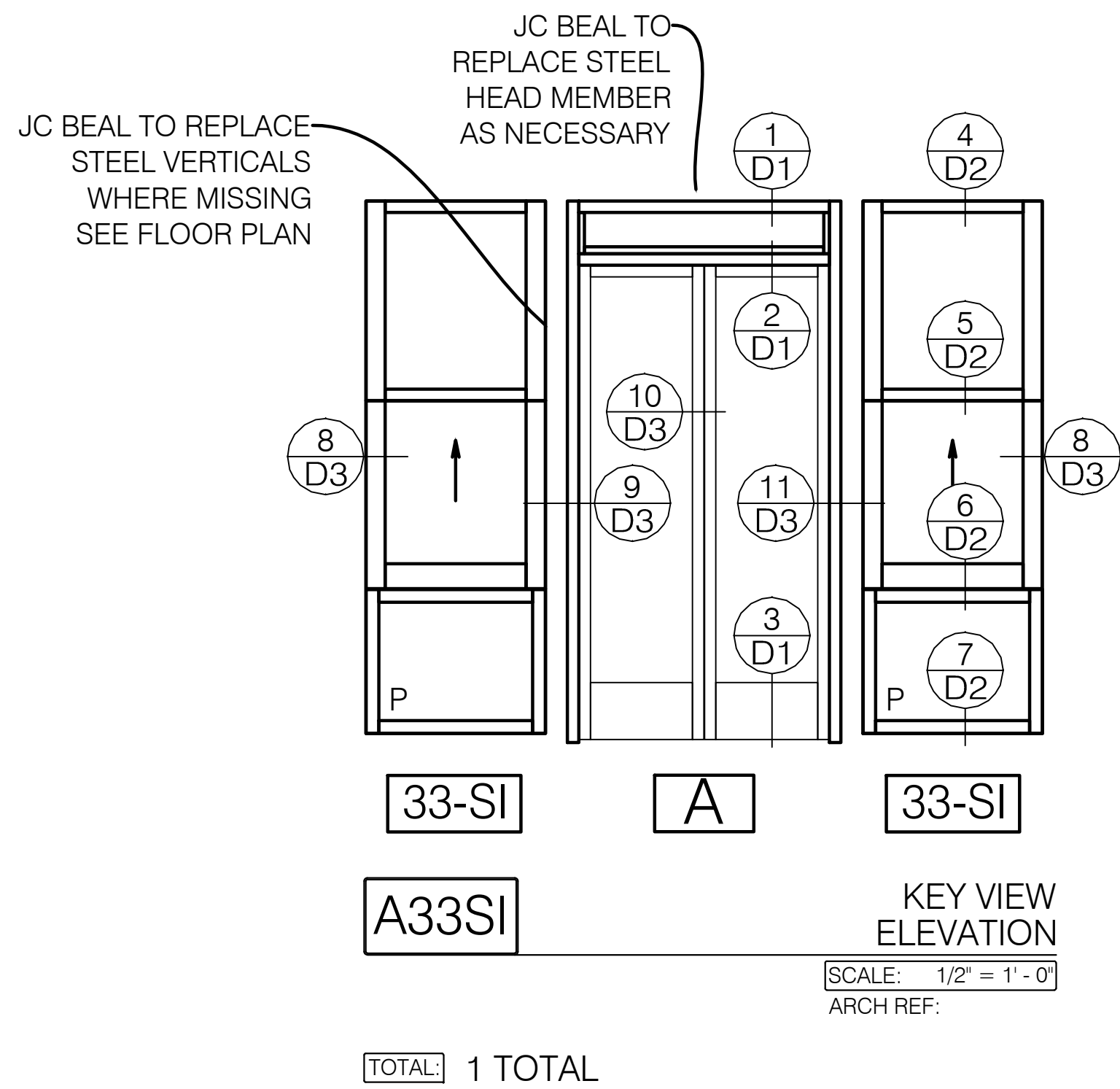
CSI PROJECT NO: 03111042-AB

PROJECT MANAGER: D. VAINER

DRAWN BY: MJC

DATE: 10-01-12

DRAWING NO: E1



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Livonia, Michigan 48150
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3	11-07-11	Third Submittal
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
Broderick Tower
Redevelopment
Project
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
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1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555

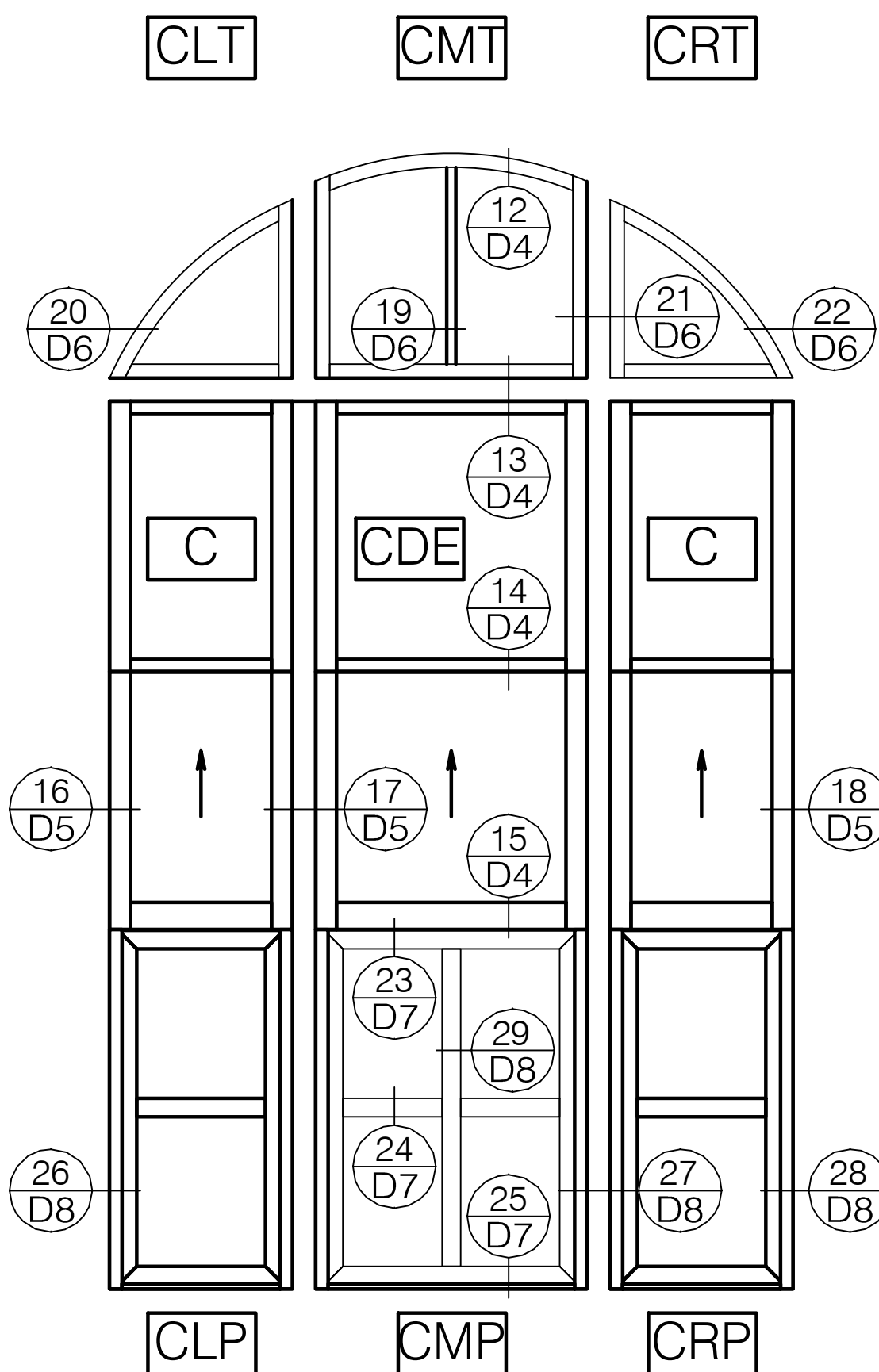
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
ELEVATIONS
33RD & 34TH FLOORS

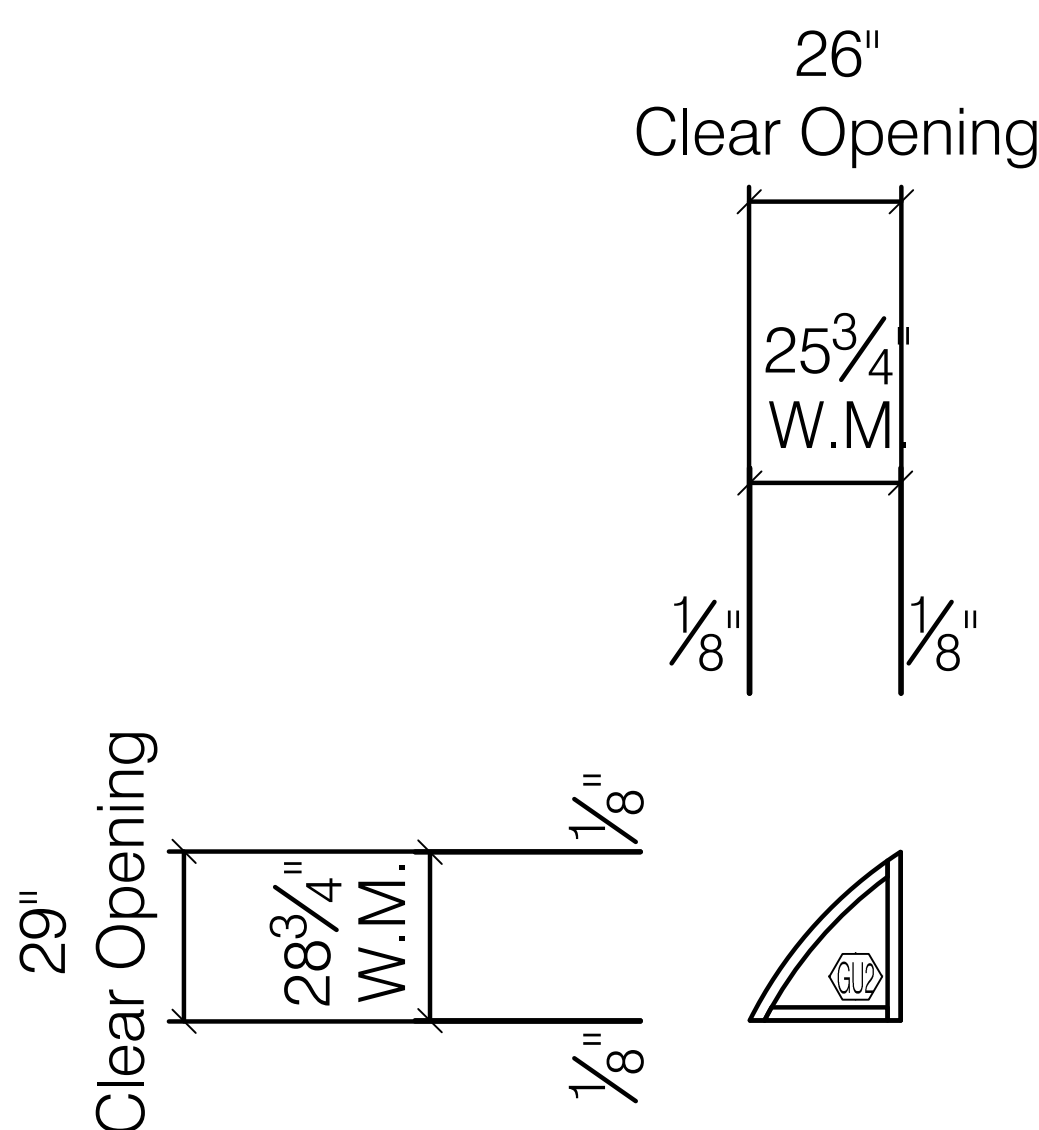
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CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
E2



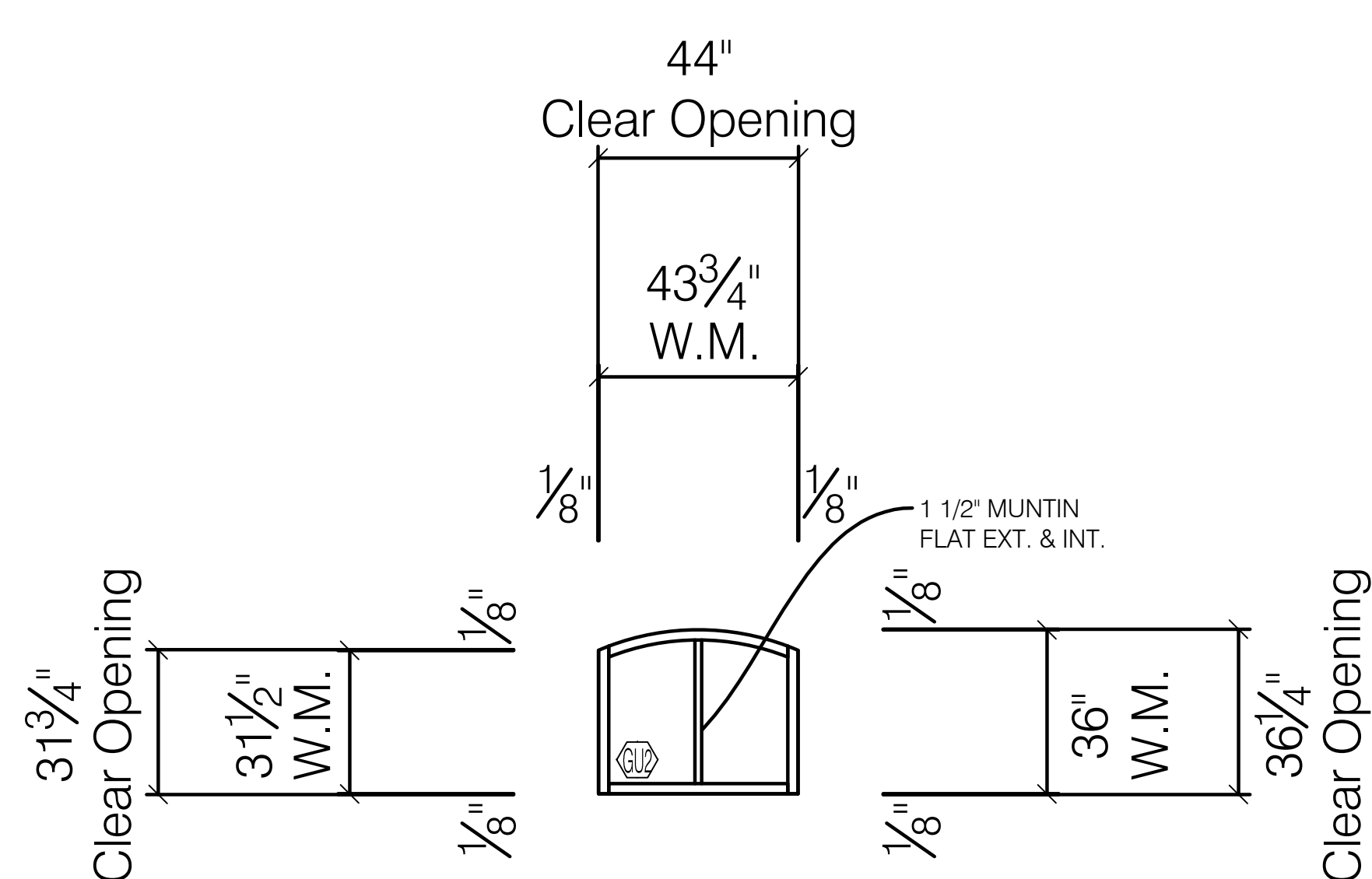
KEY VIEW ELEVATION
SCALE: 1/2" = 1' - 0"
ARCH REF:

TOTAL: 4 TOTAL



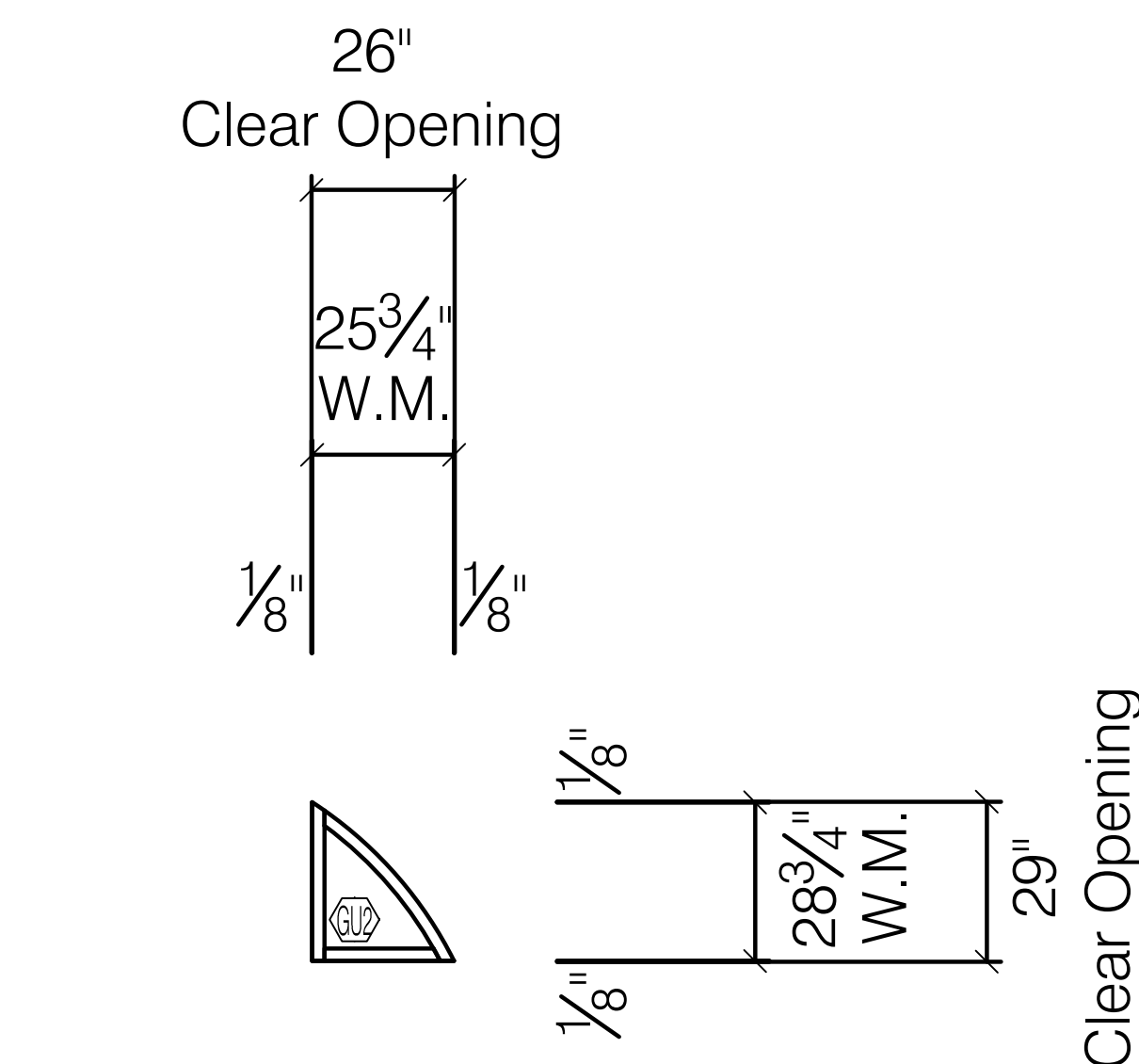
CLT
TRACO TR-7900 SERIES
FIXED WINDOW
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



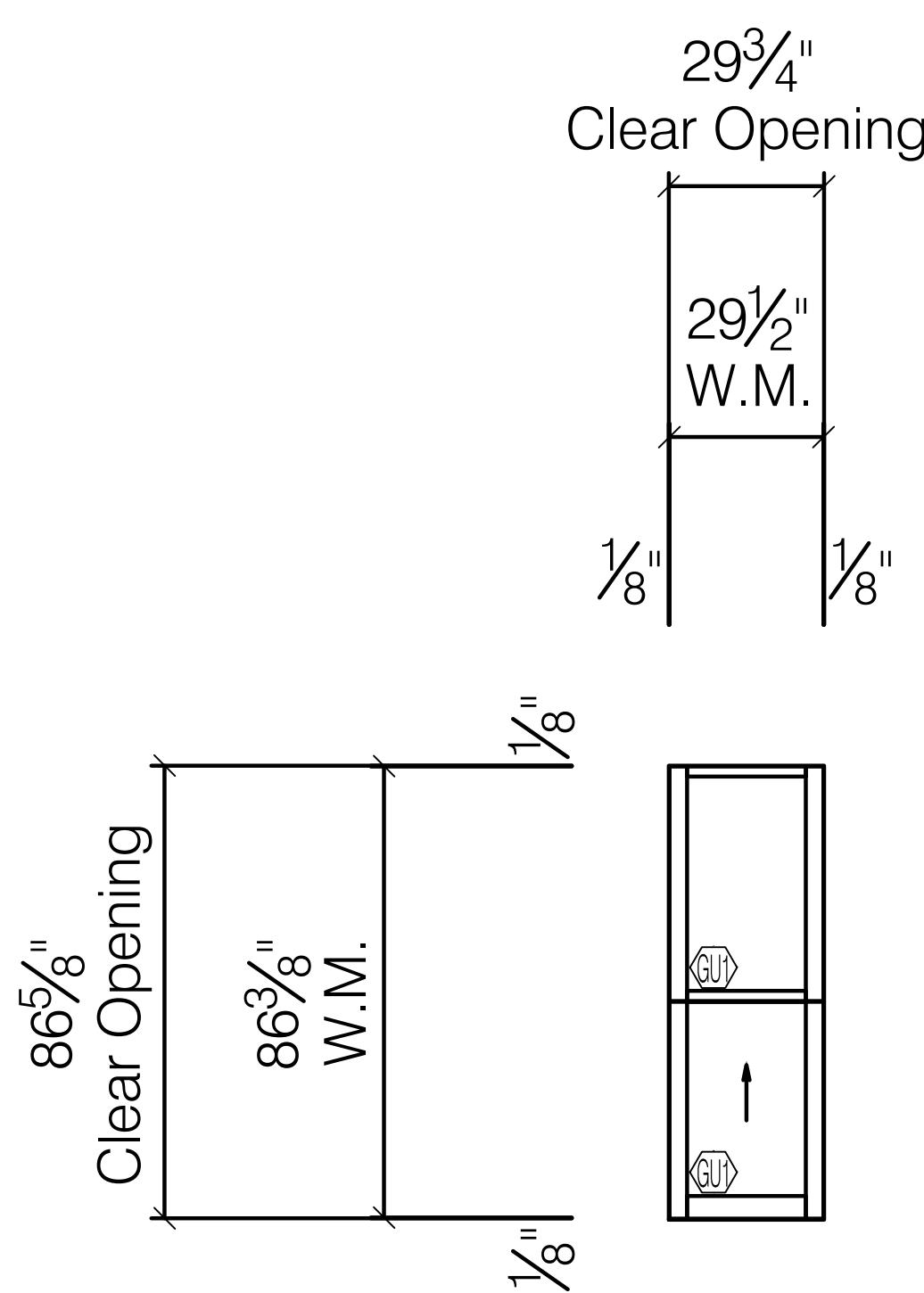
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TRACO TR-7900 SERIES
FIXED WINDOW
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



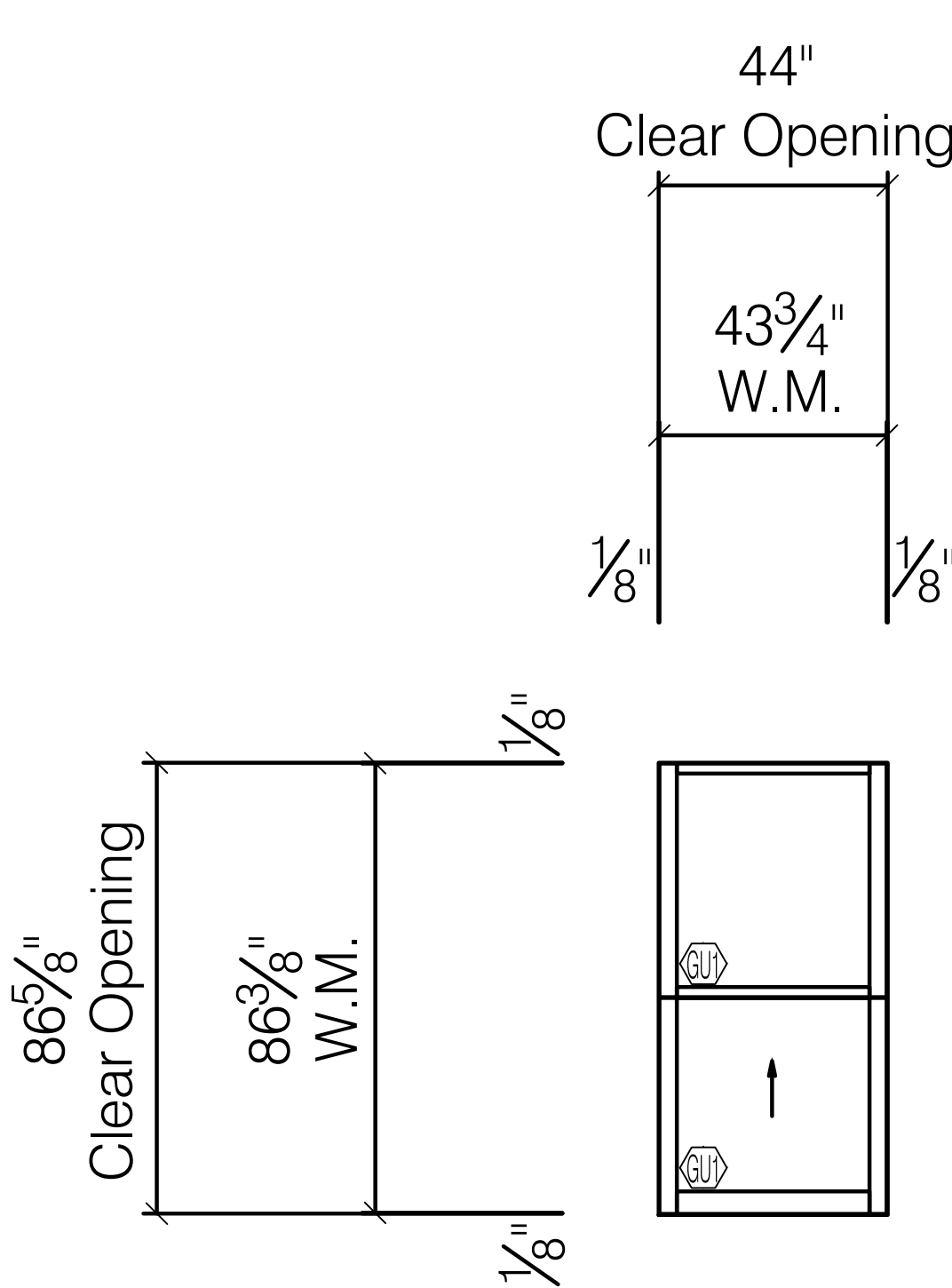
CRT
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FIXED WINDOW
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



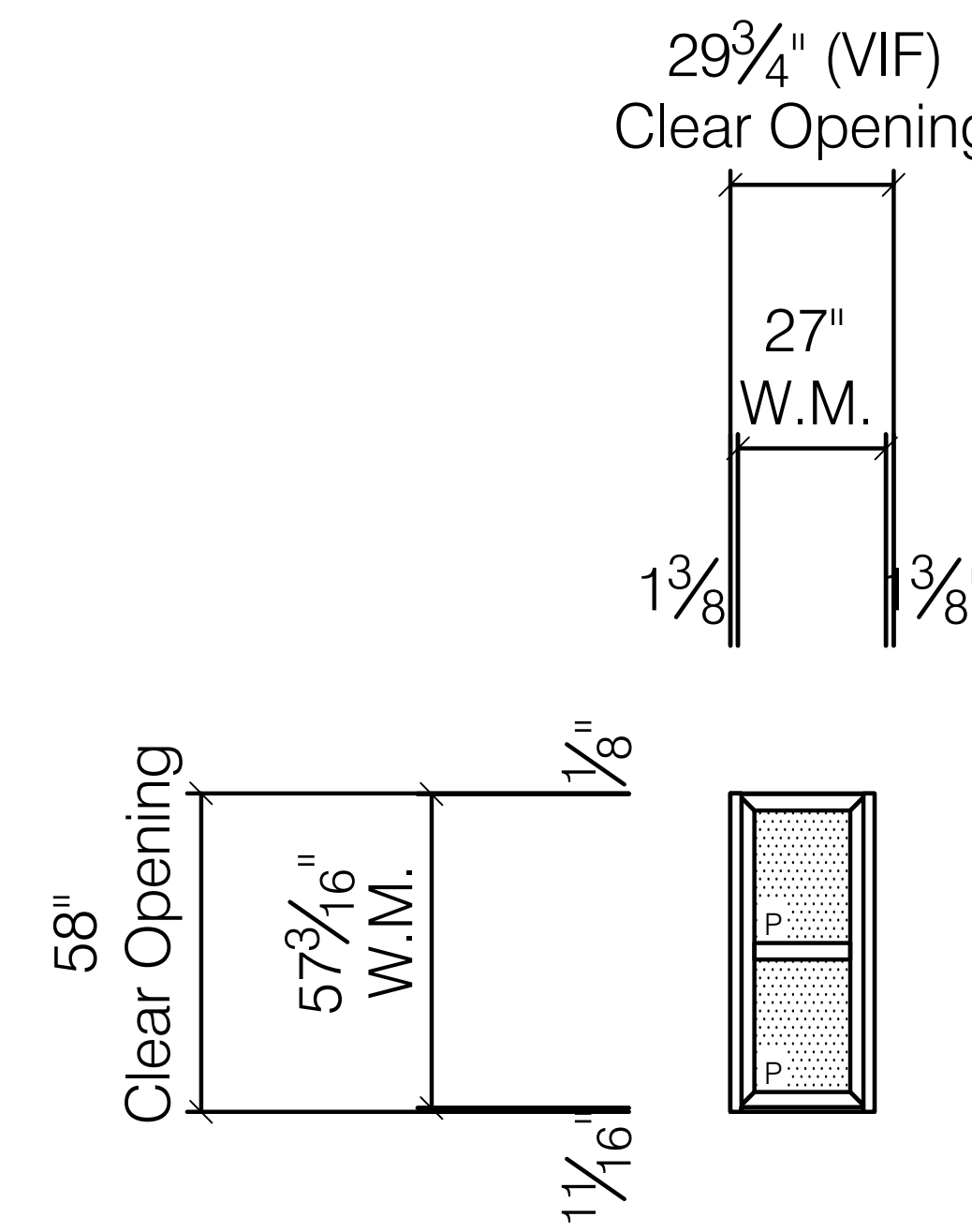
C
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG
TOTAL: 8 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



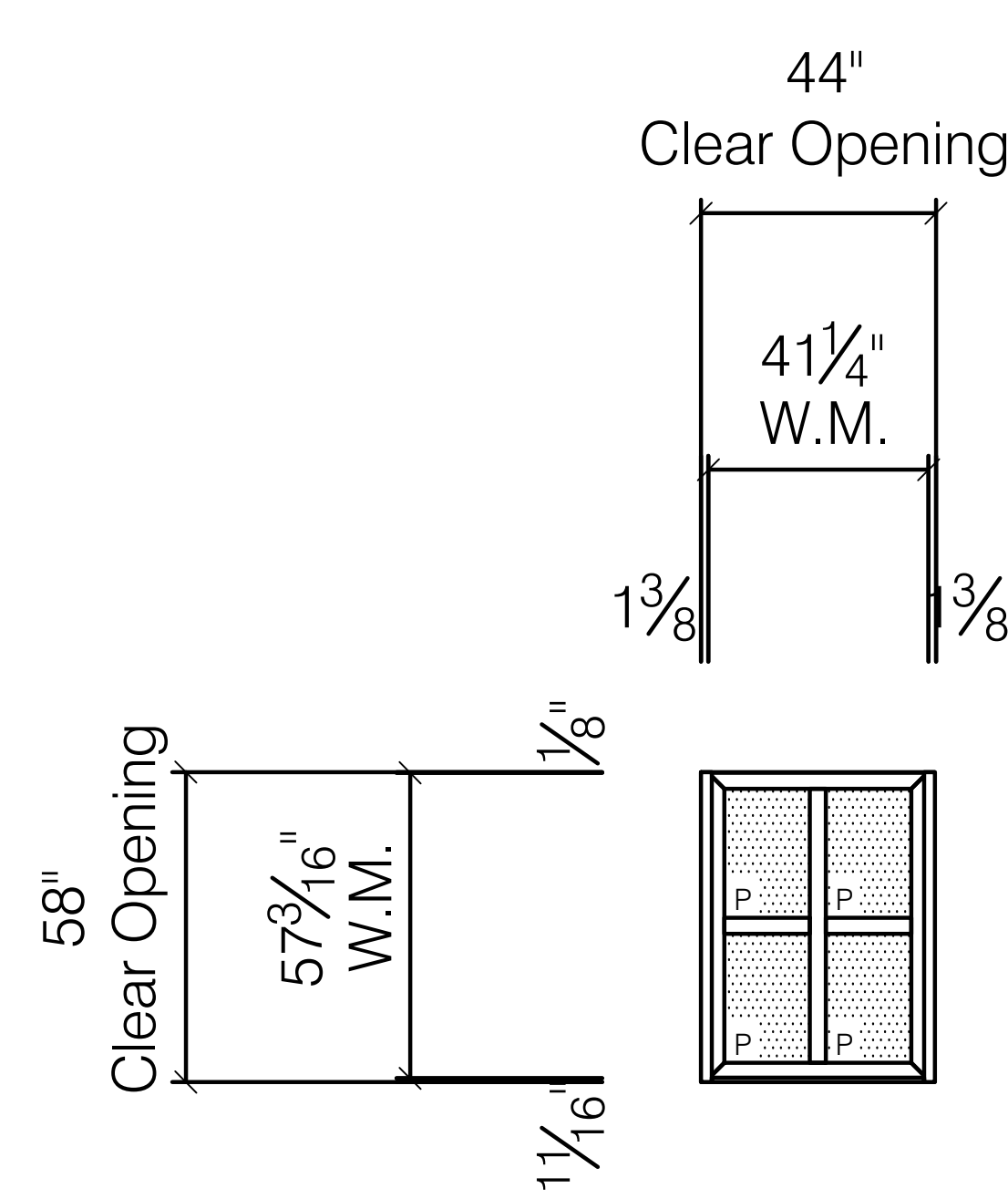
CDE
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



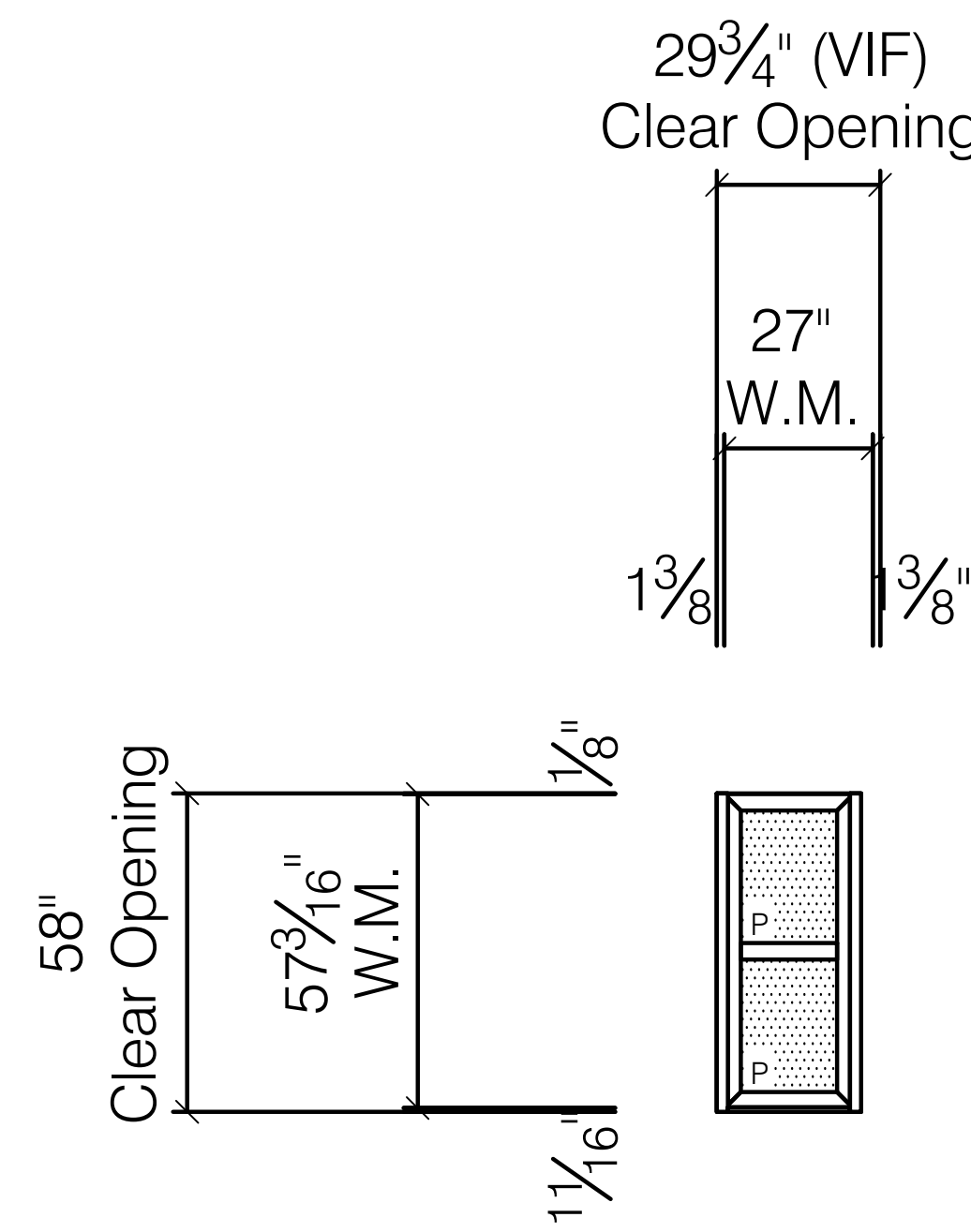
CLP
TRACO TR-7900 SERIES
FIXED WINDOW
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



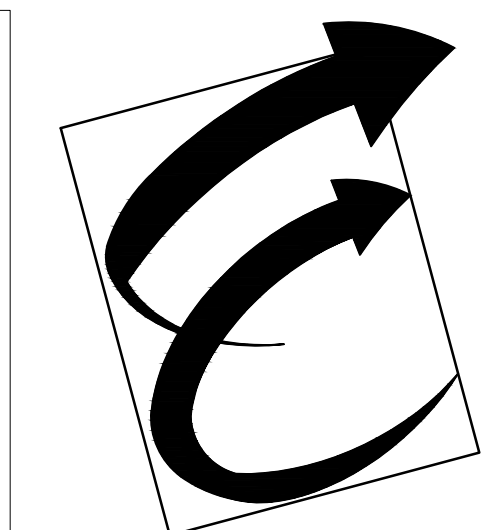
CMP
TRACO TR-7900 SERIES
FIXED WINDOW
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



CRP
TRACO TR-7900 SERIES
FIXED WINDOW
TOTAL: 4 TOTAL

WINDOW ELEVATION
SCALE: 3/8" = 1' - 0"
ARCH REF:



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Charrette Studios, Inc.
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23581 Donaldson St.
Clinton Township, MI. 48035
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Revision or Issue:		
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1	09-14-11	First Submittal
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PROJECT NAME AND LOCATION:
**Broderick Tower
Redevelopment
Project**
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

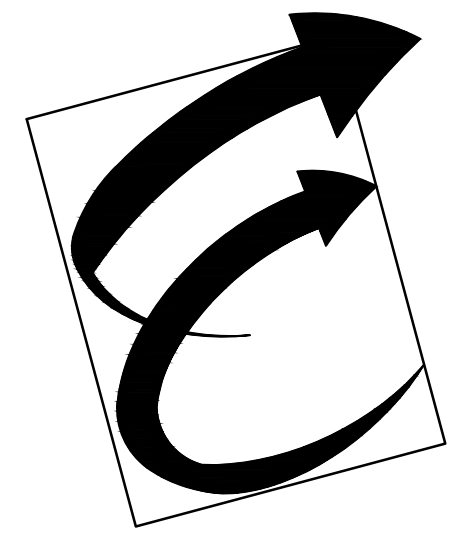
ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48226
PH: 313-965-3399 | FAX: 313-965-3555
GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:
**ELEVATIONS
33RD & 34TH FLOORS**

SCALE: AS NOTED
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:
E3



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Clinton Township, MI. 48035
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Redevelopment
Project

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DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
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ARCHITECT:

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PH: 313-965-3399 | FAX: 313-965-3555

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DETROIT, MICHIGAN 48226
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SEAL:

DRAWING TITLE:

ELEVATIONS
33RD & 34TH FLOORS

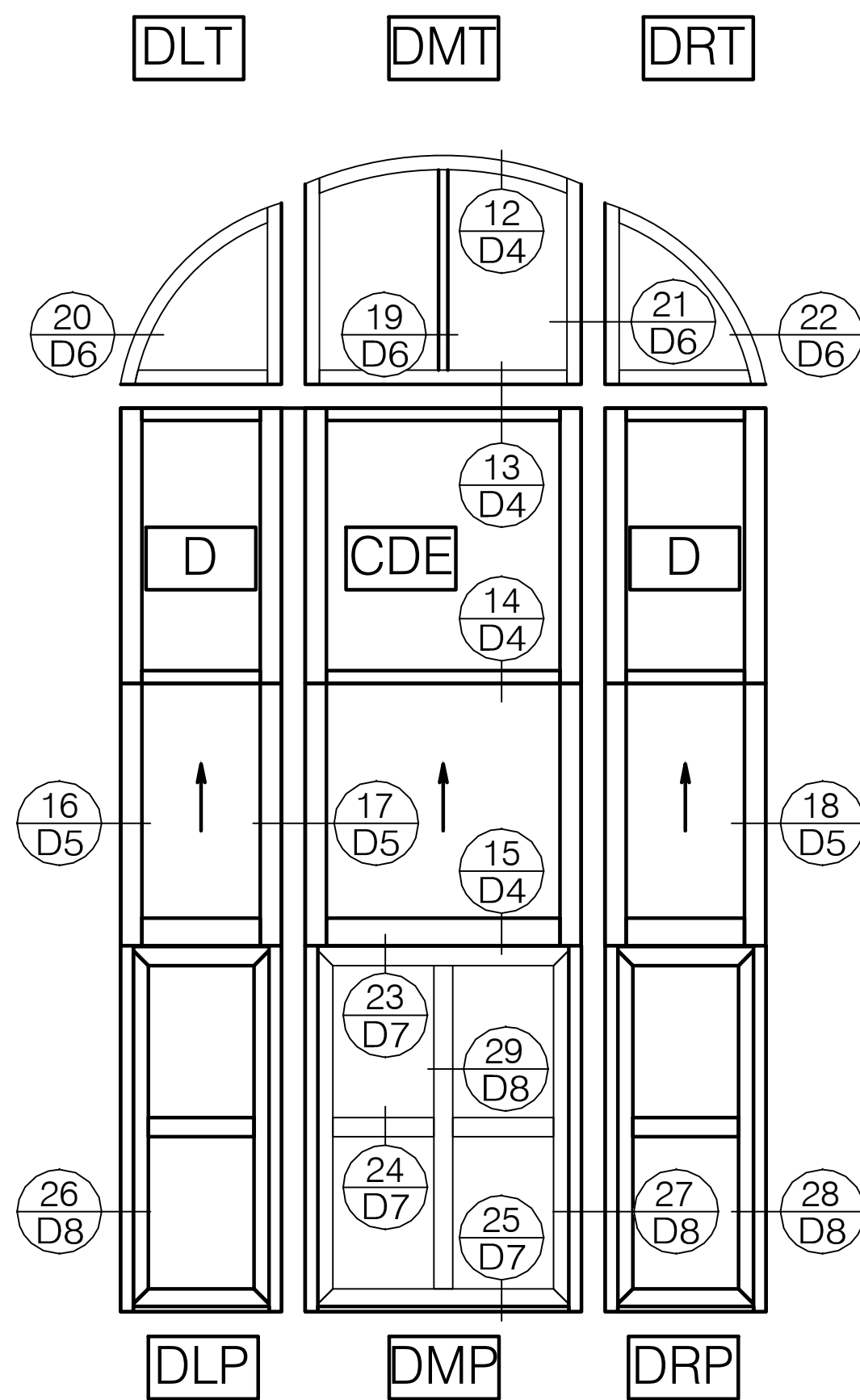
SCALE: AS NOTED

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:

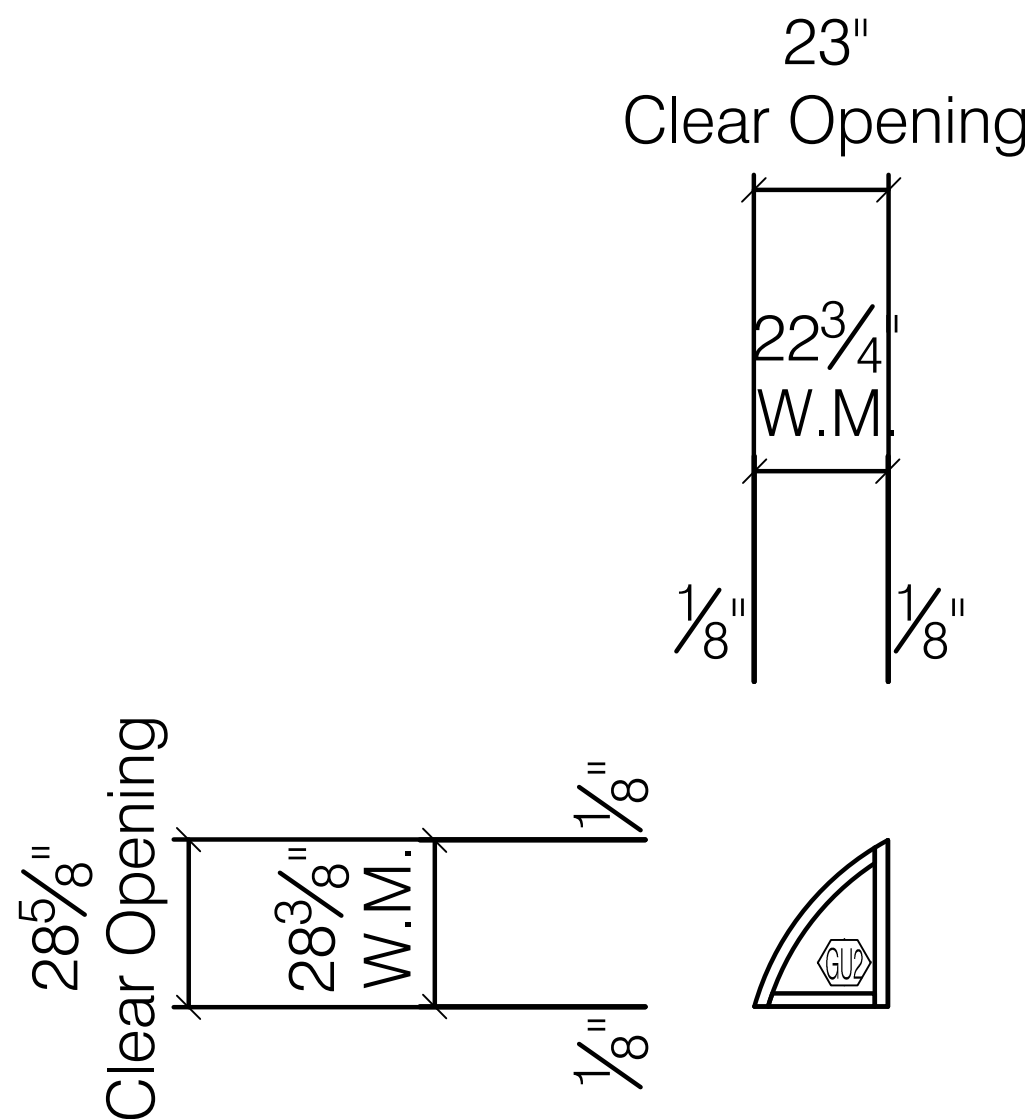
E4

35



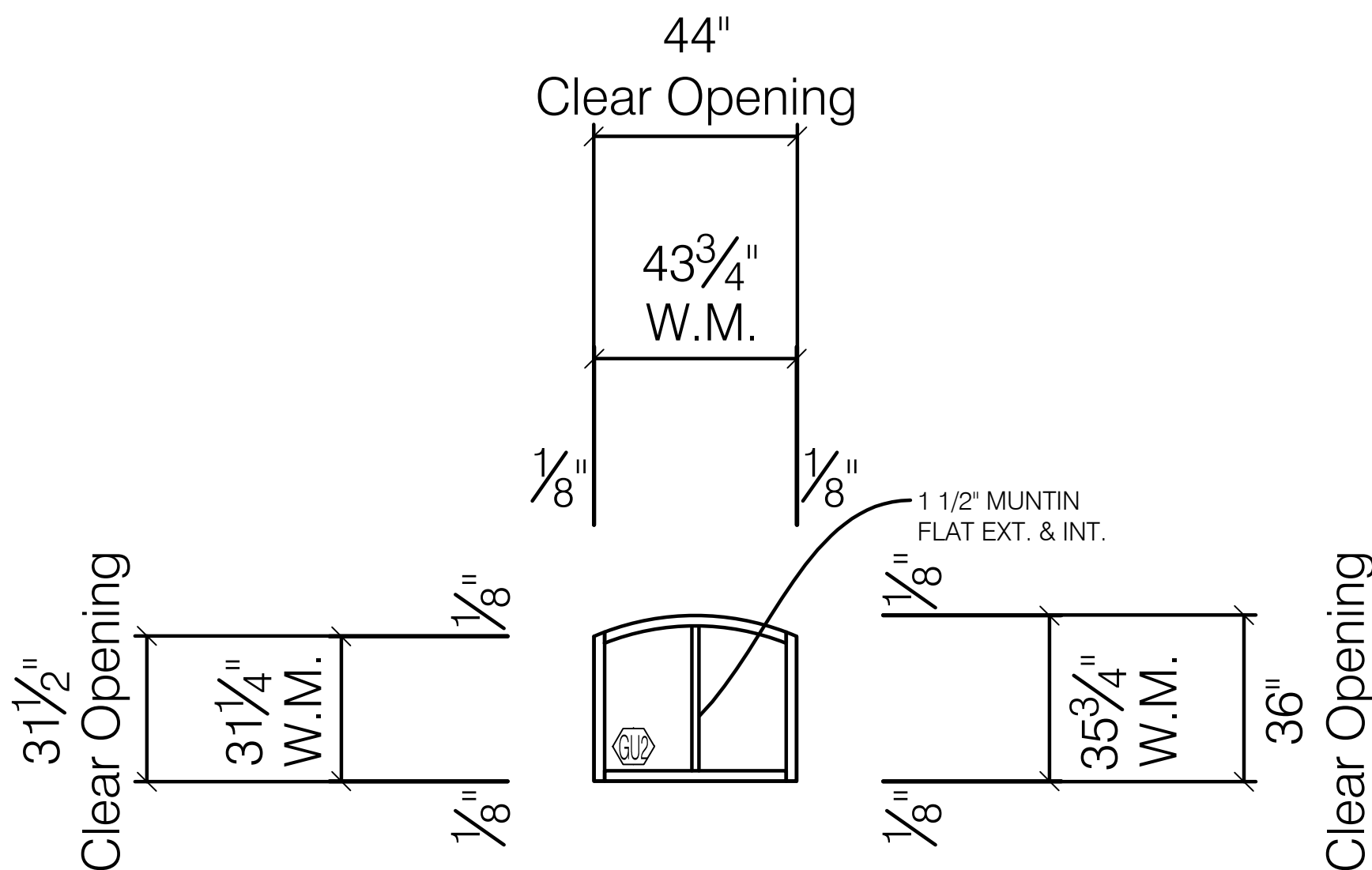
D KEY VIEW
ELEVATION
SCALE: 3/4" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



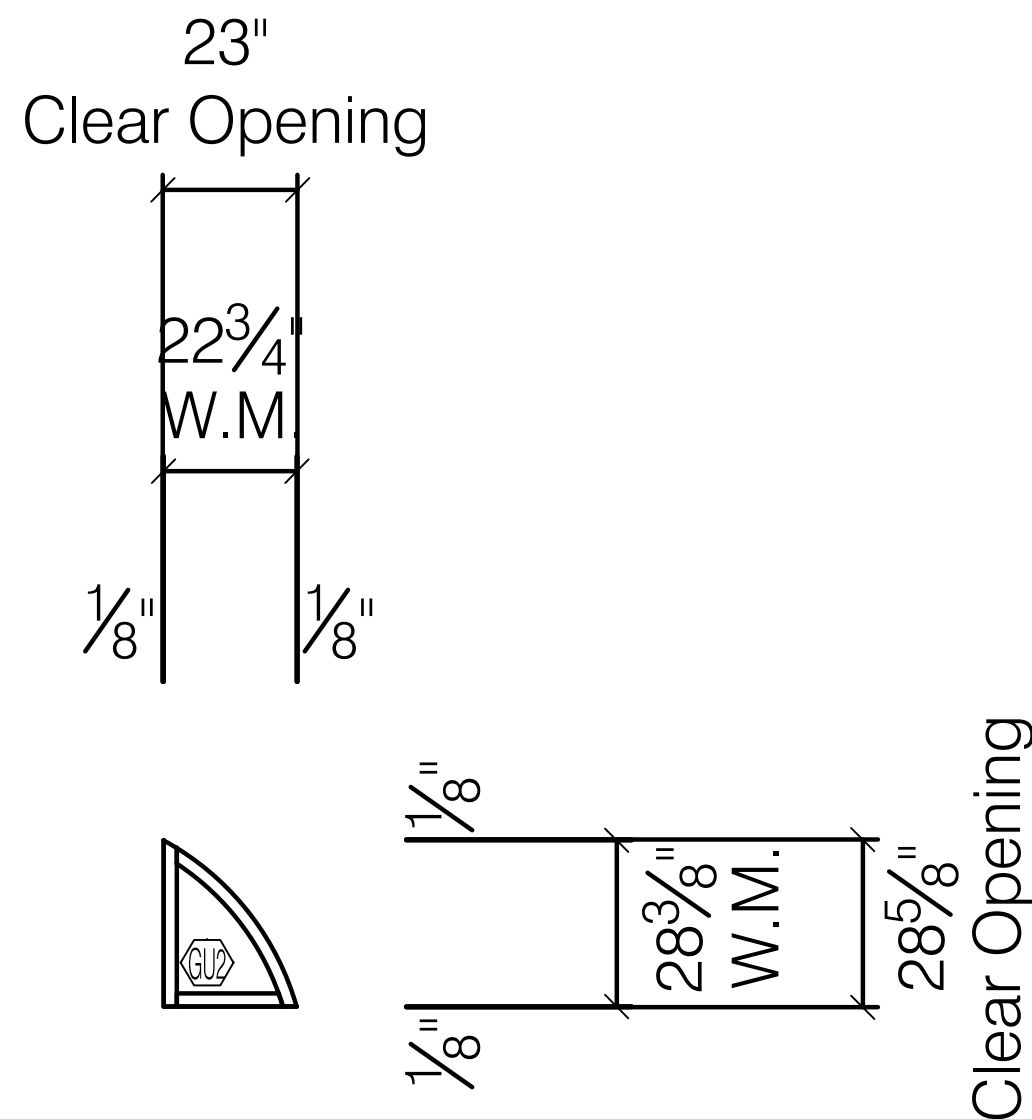
DLT WINDOW
ELEVATION
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



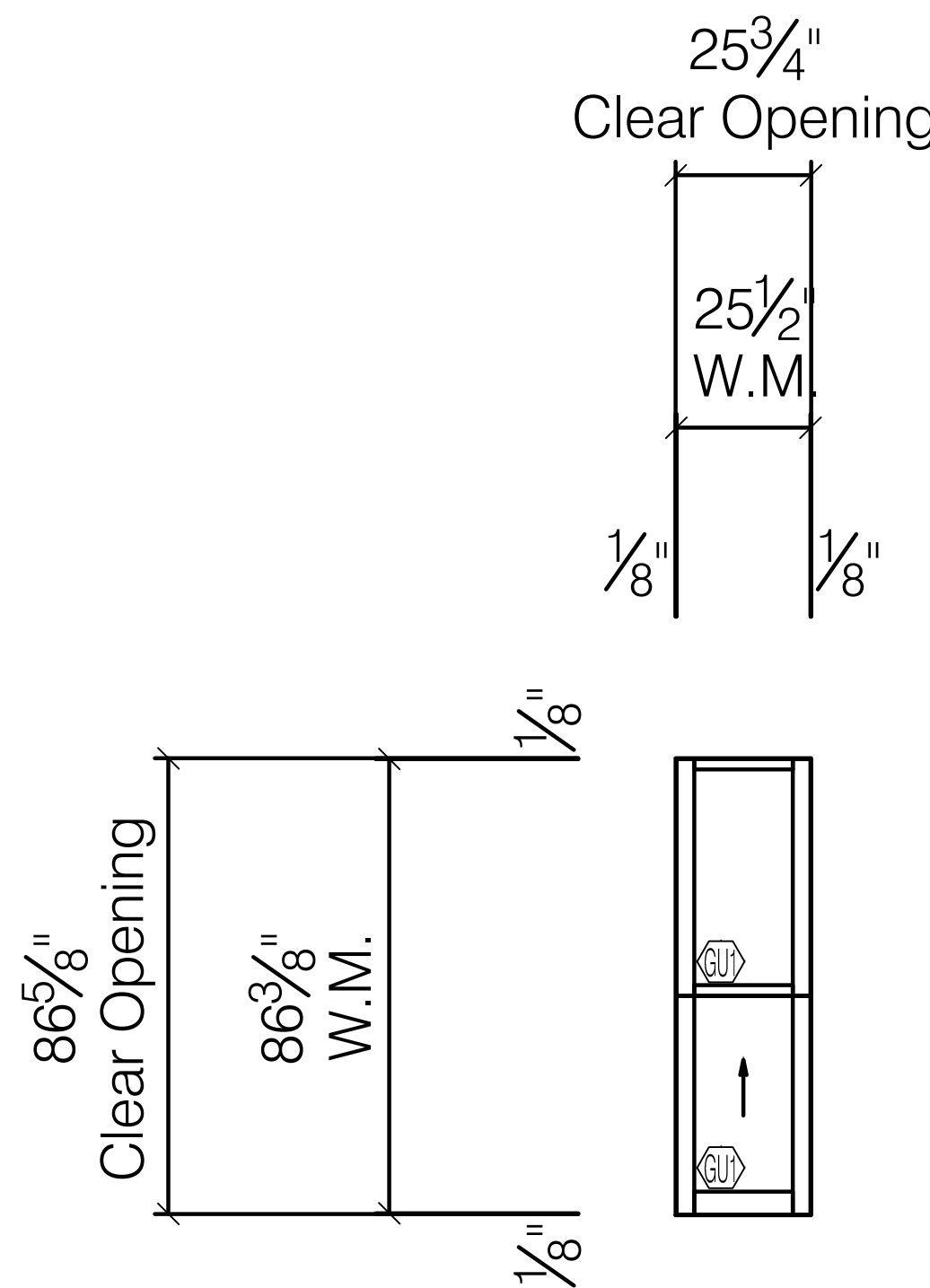
DMT WINDOW
ELEVATION
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



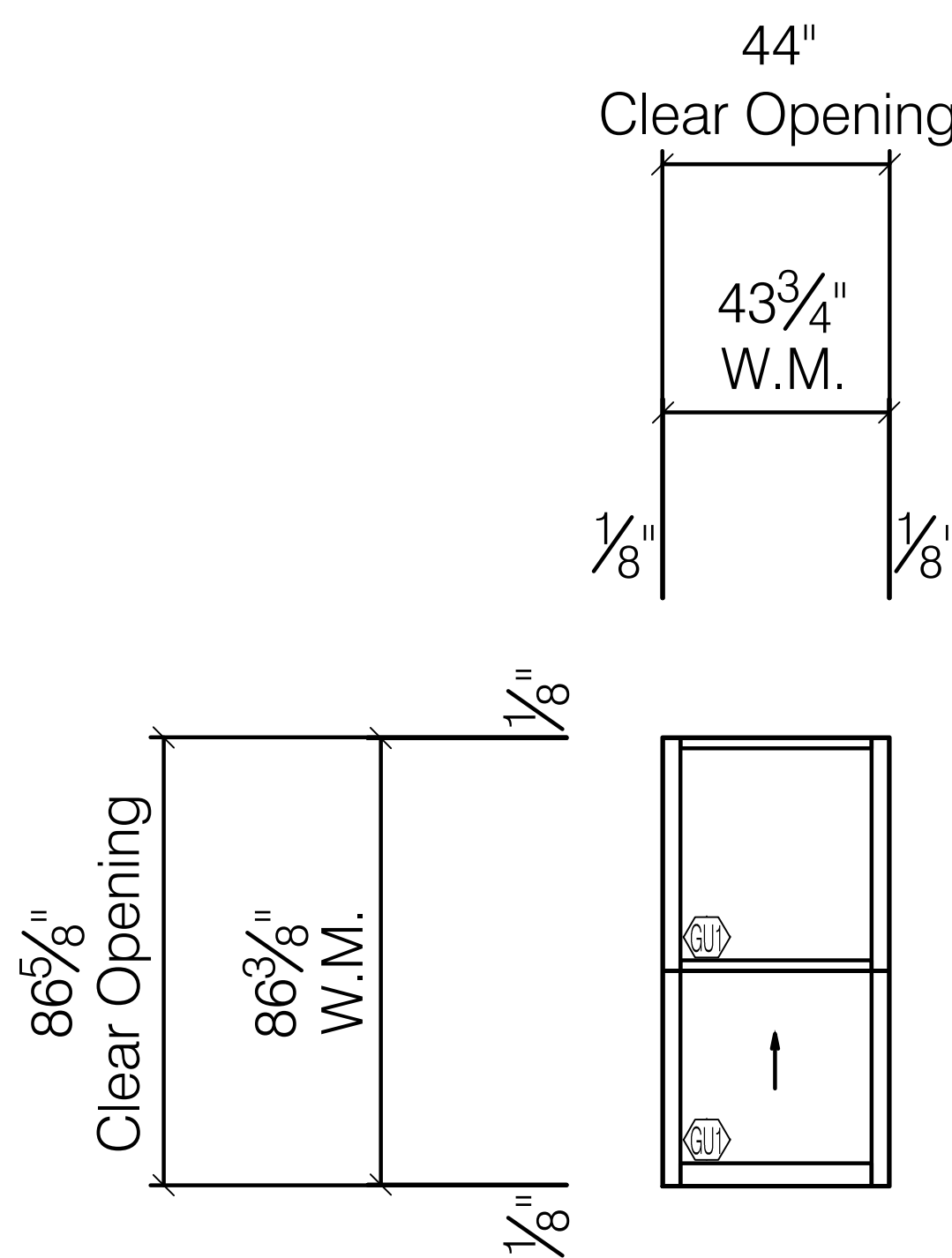
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ELEVATION
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



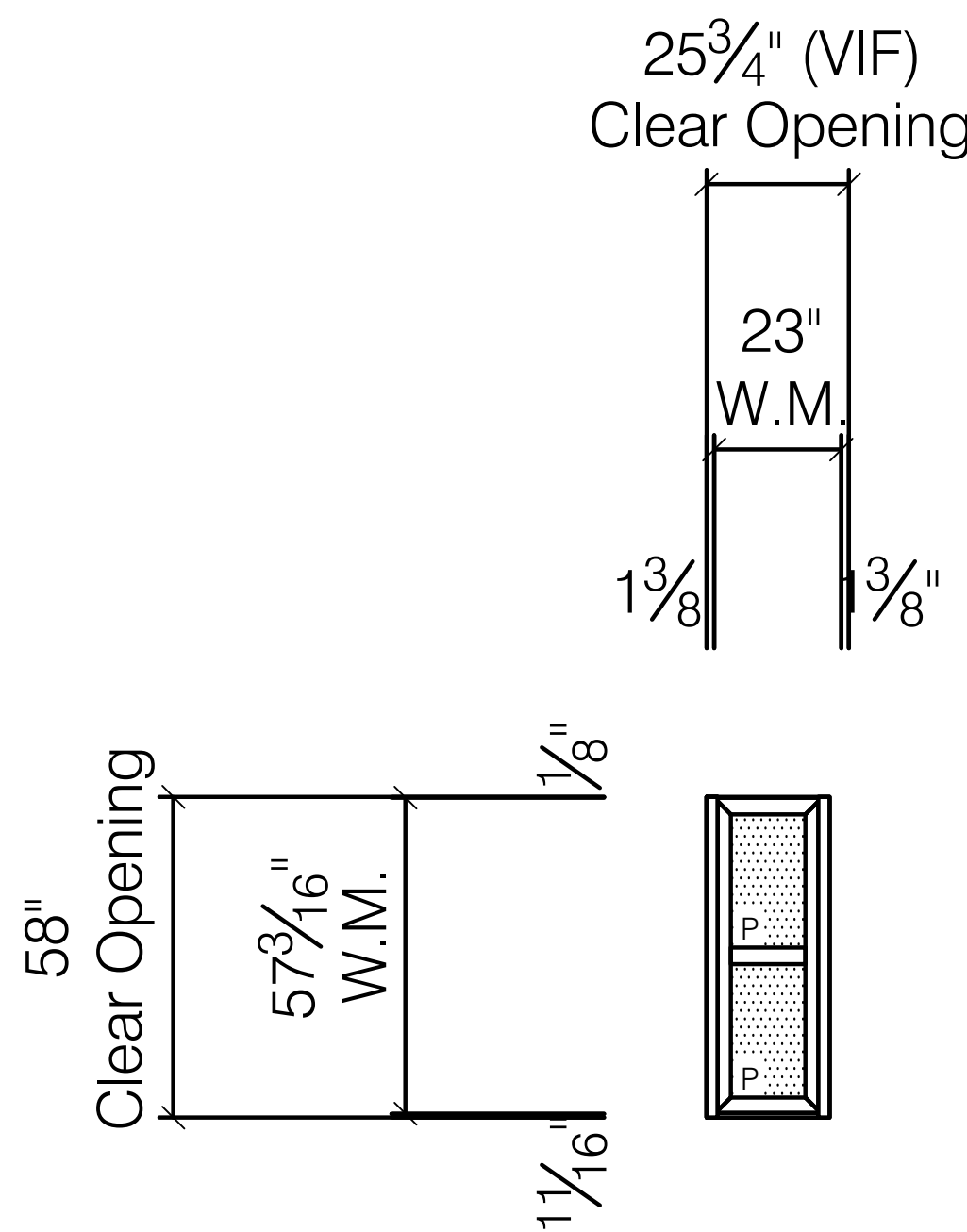
D WINDOW
ELEVATION
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 4 TOTAL



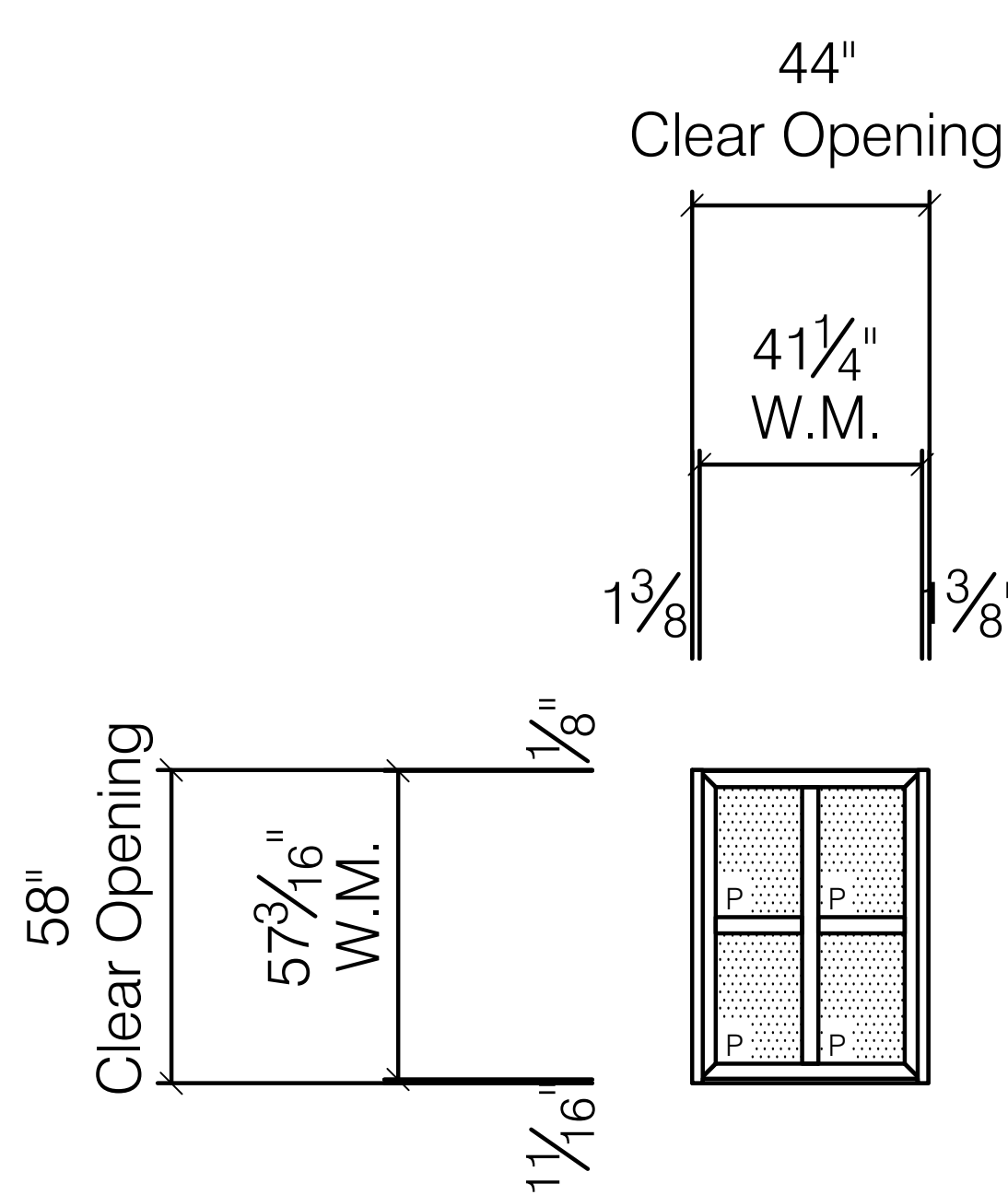
CDE WINDOW
ELEVATION
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



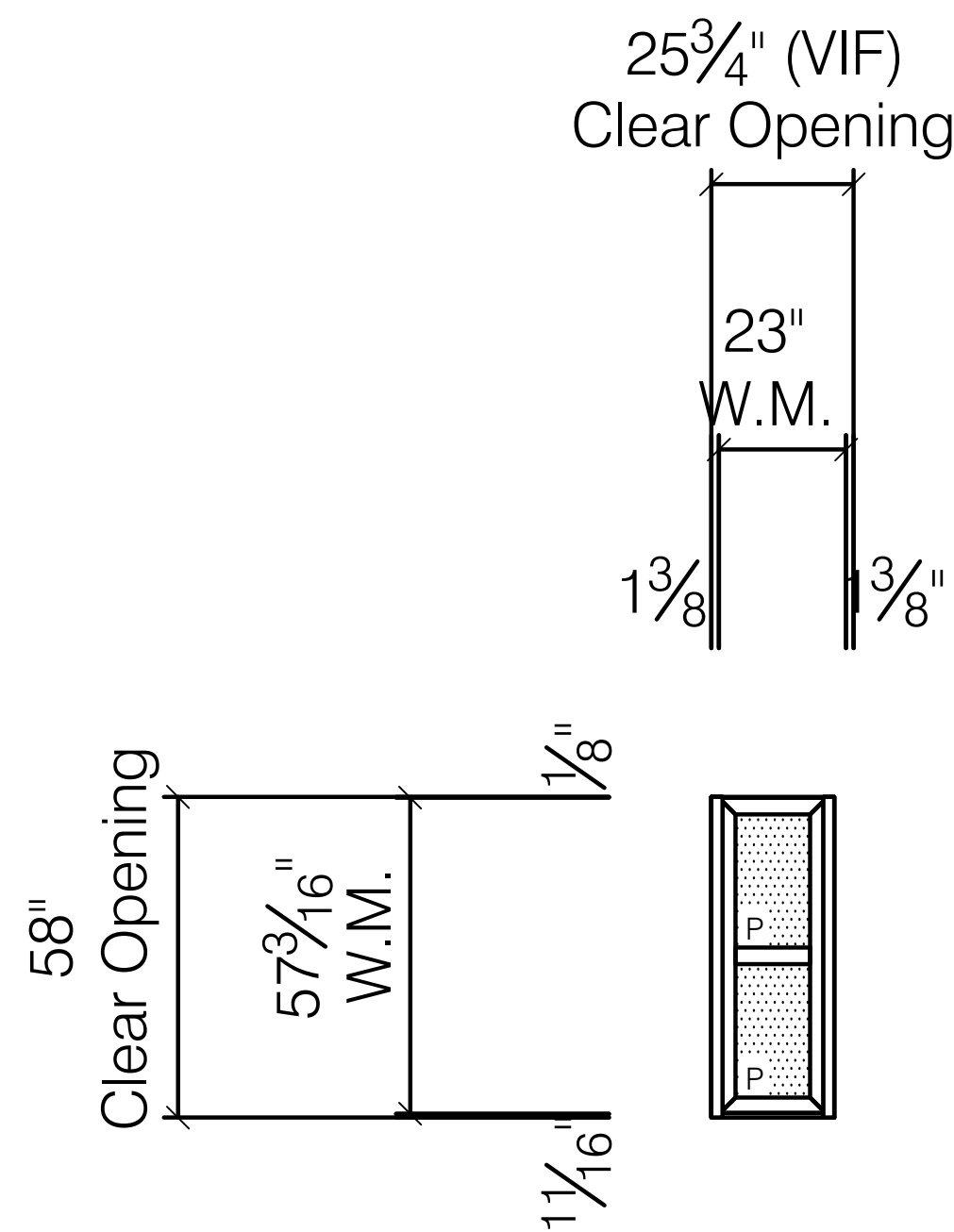
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ELEVATION
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL



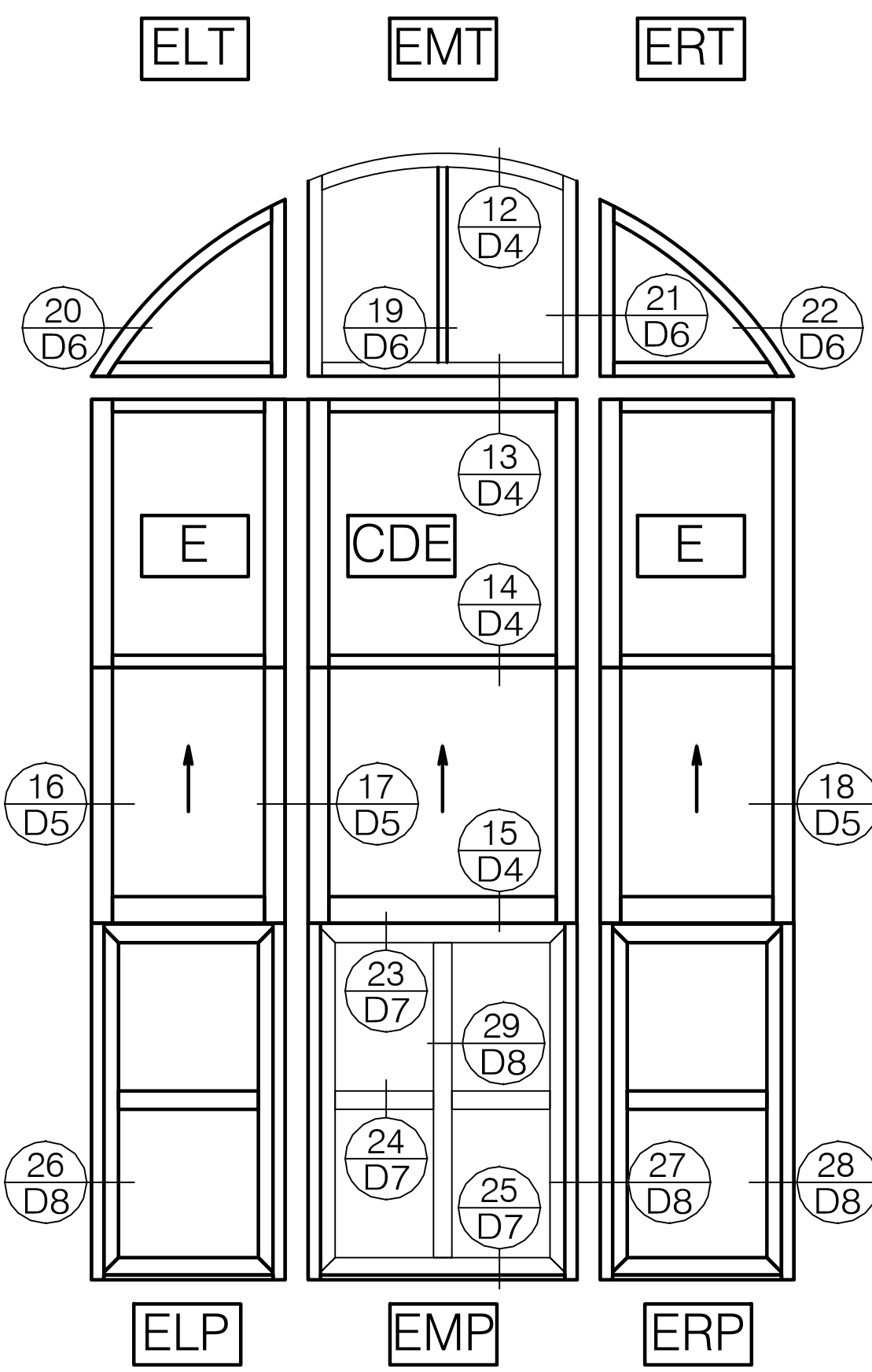
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ELEVATION
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:

TOTAL: 2 TOTAL

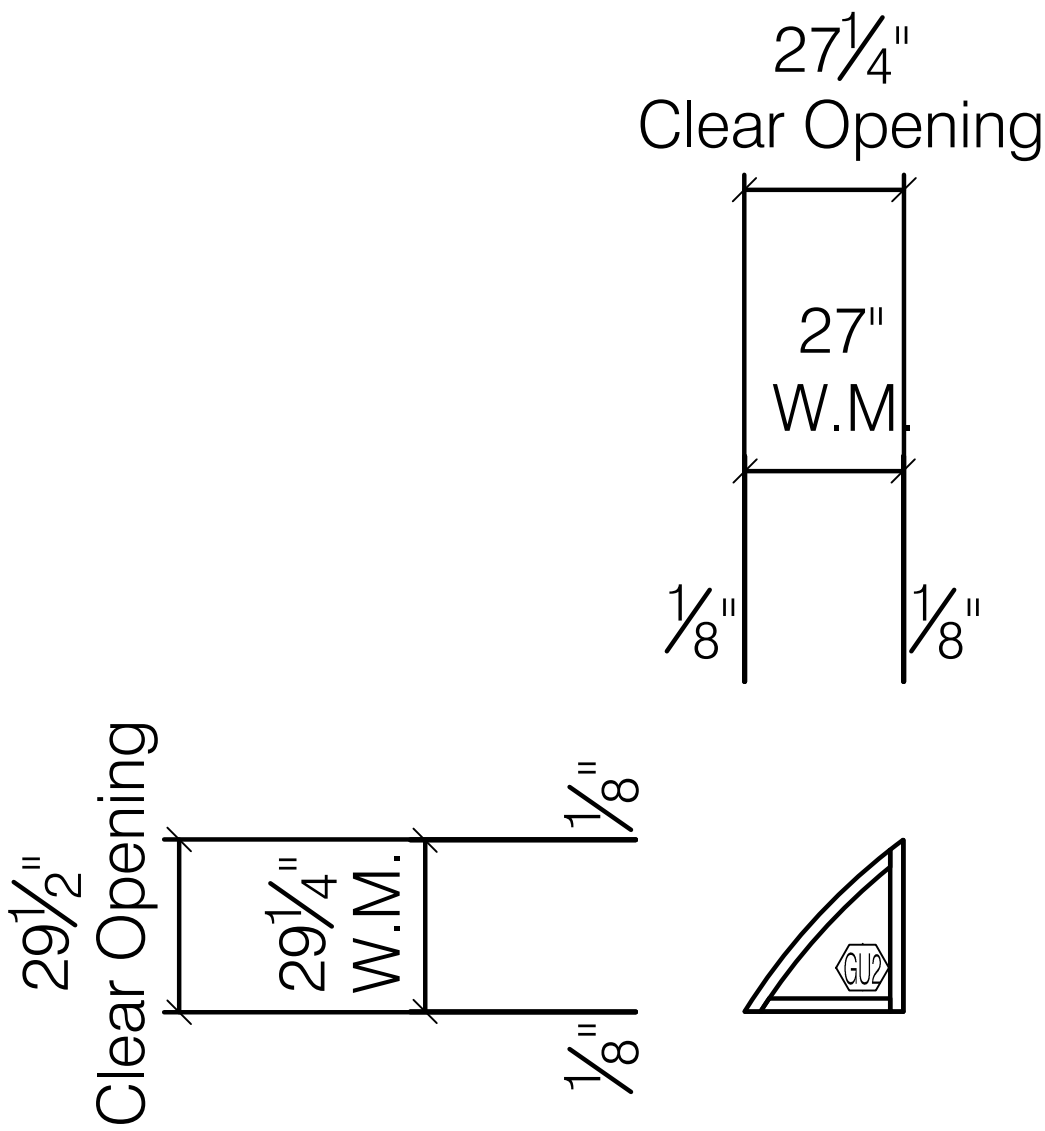


DRP WINDOW
ELEVATION
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:

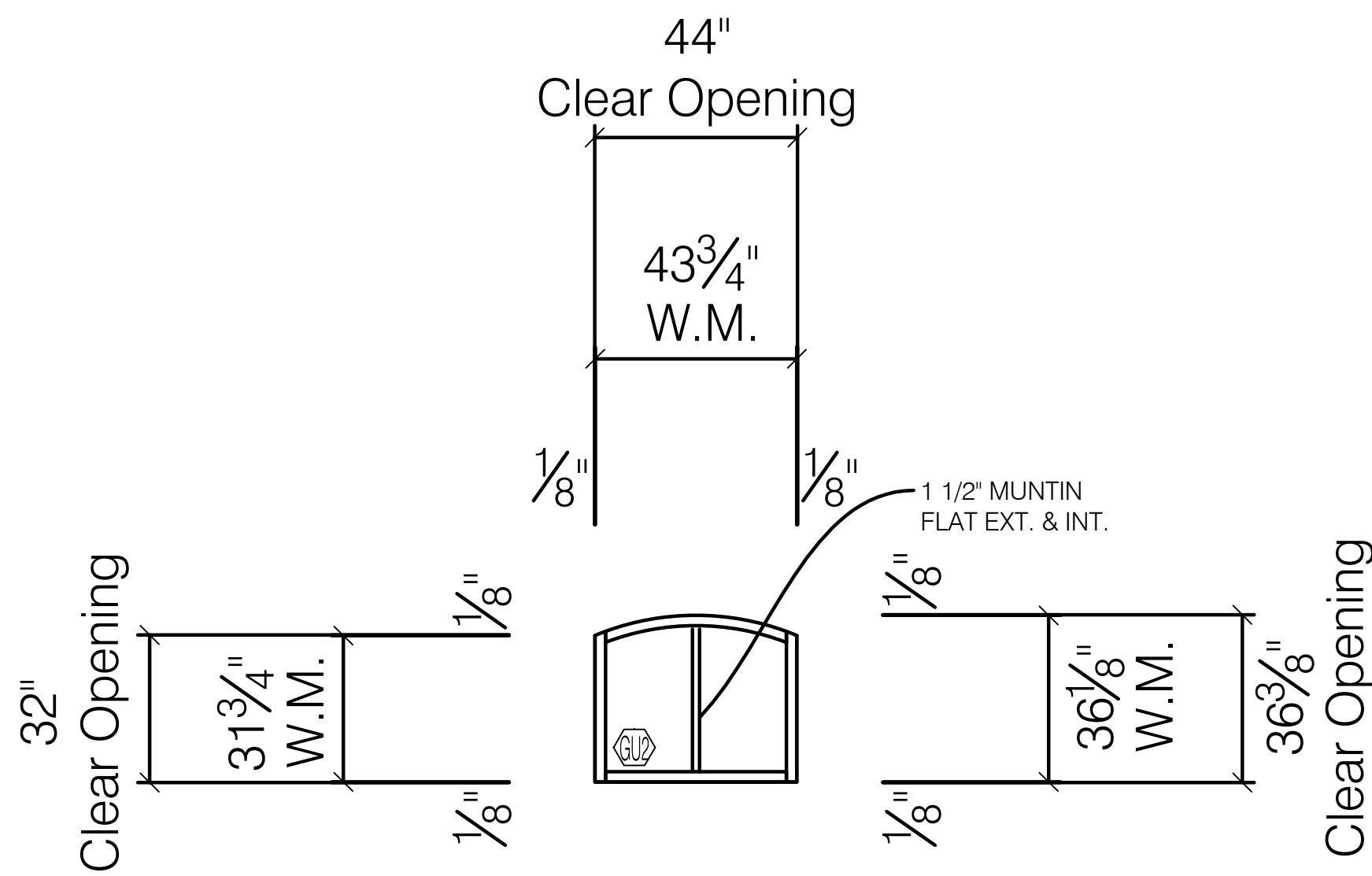
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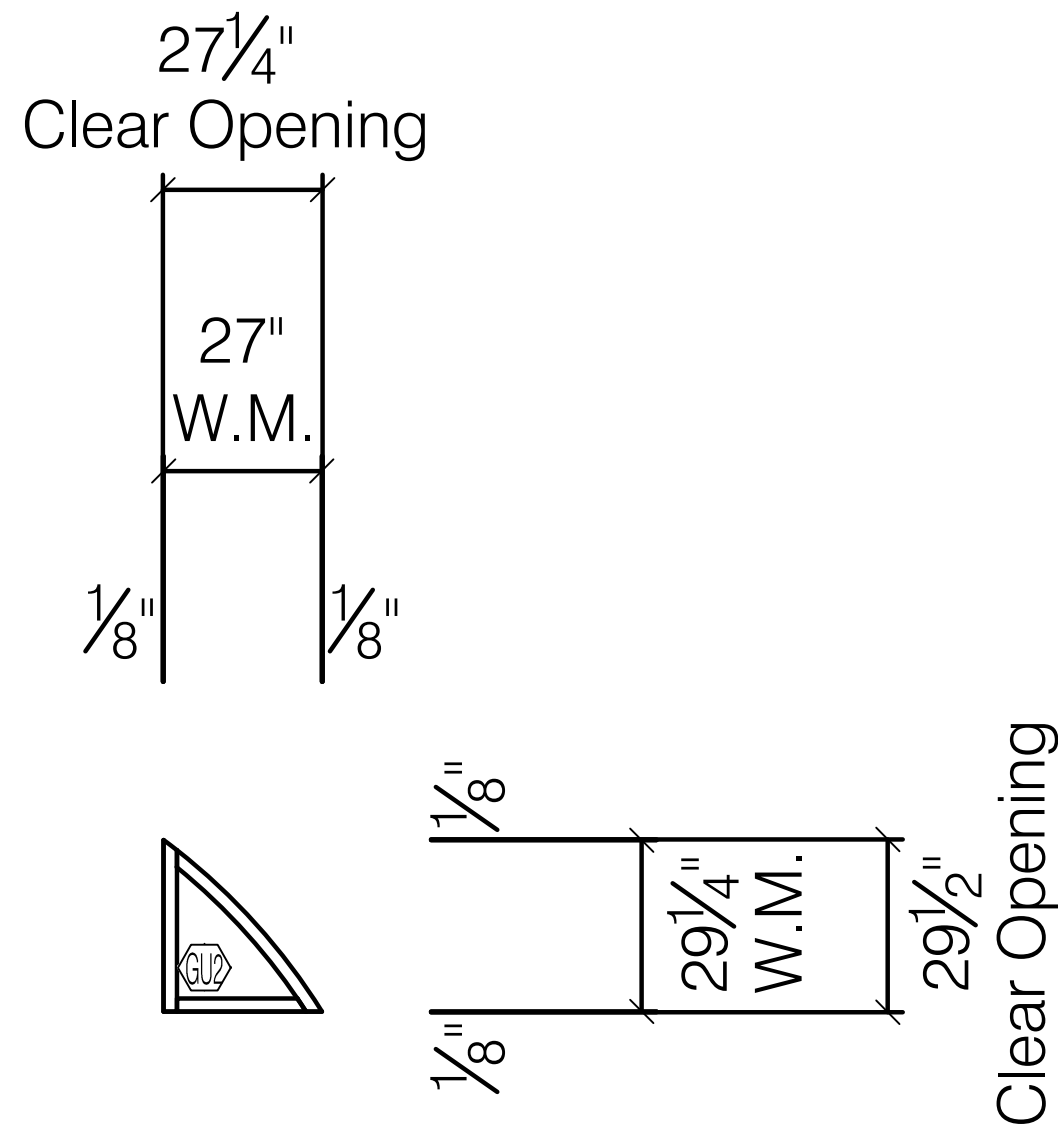
KEY VIEW
ELEVATION
SCALE: 3/4" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



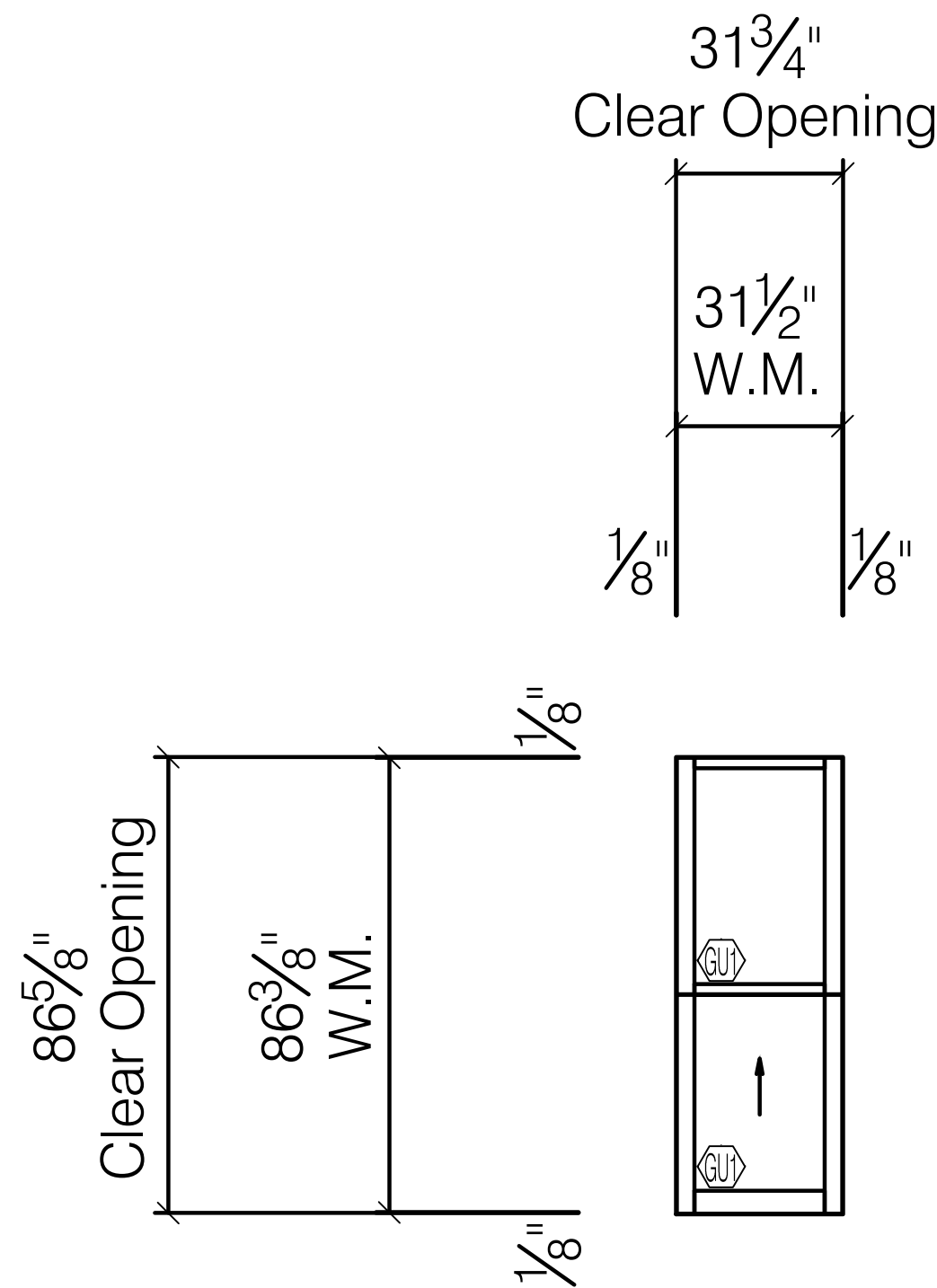
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TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



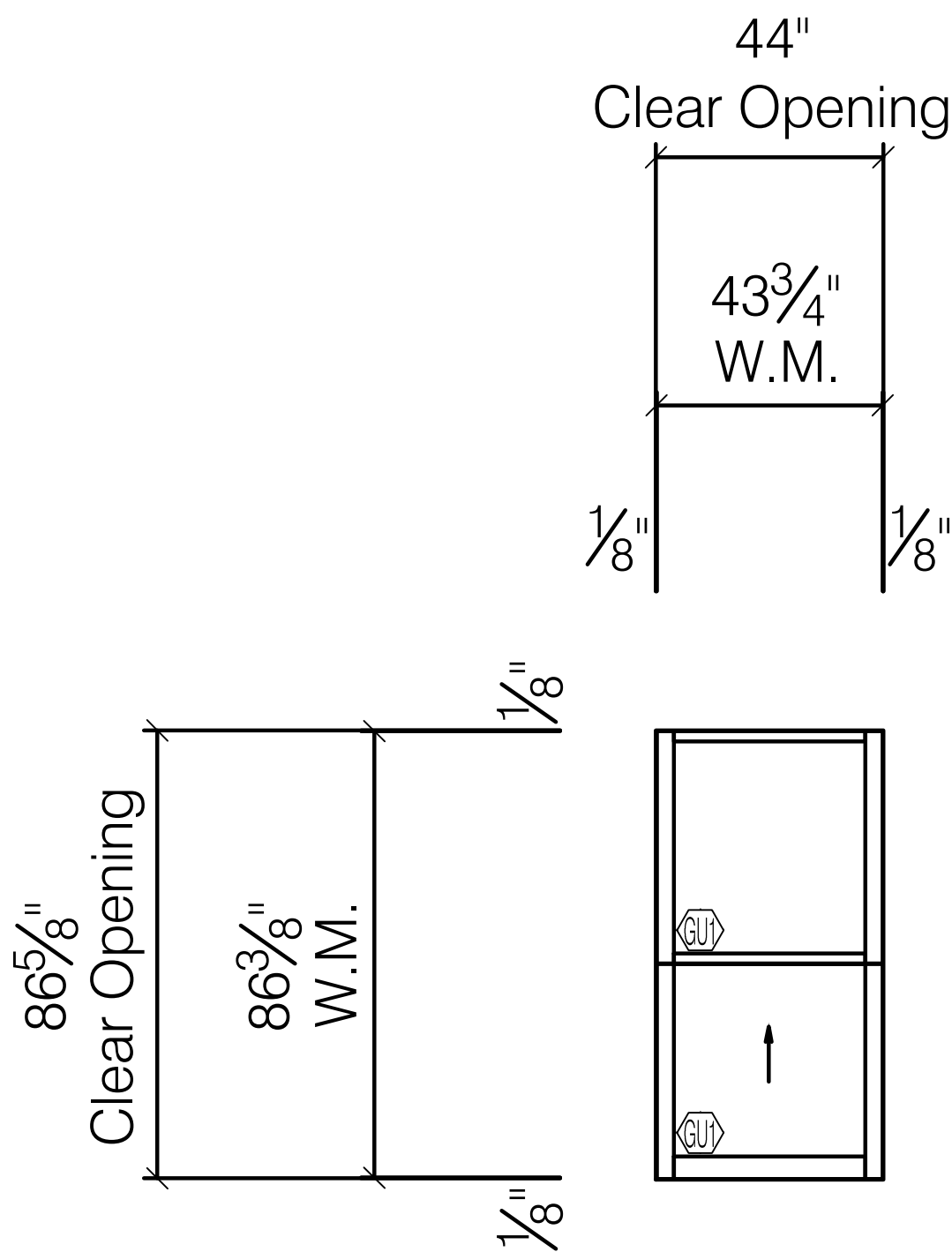
EMT
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



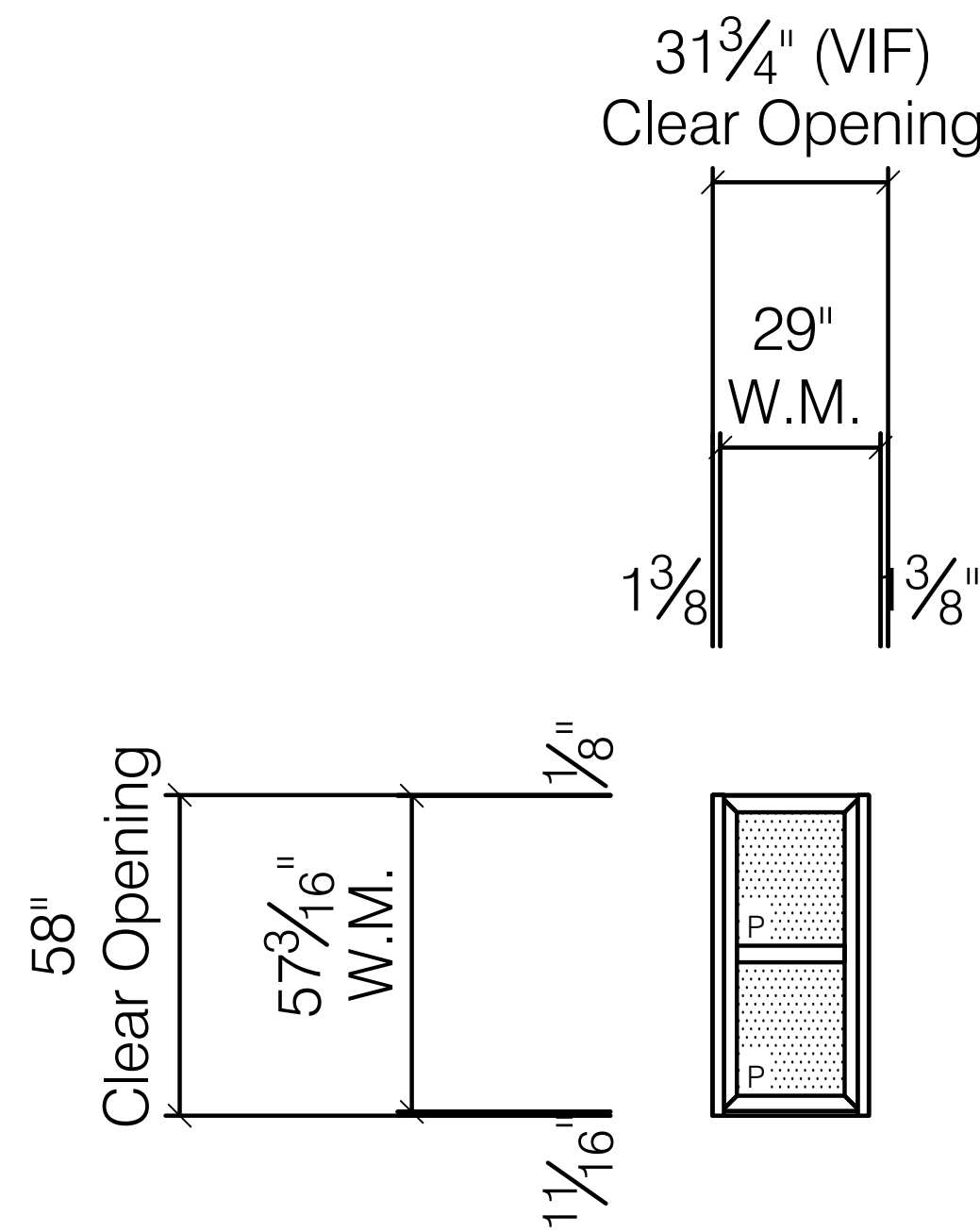
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TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



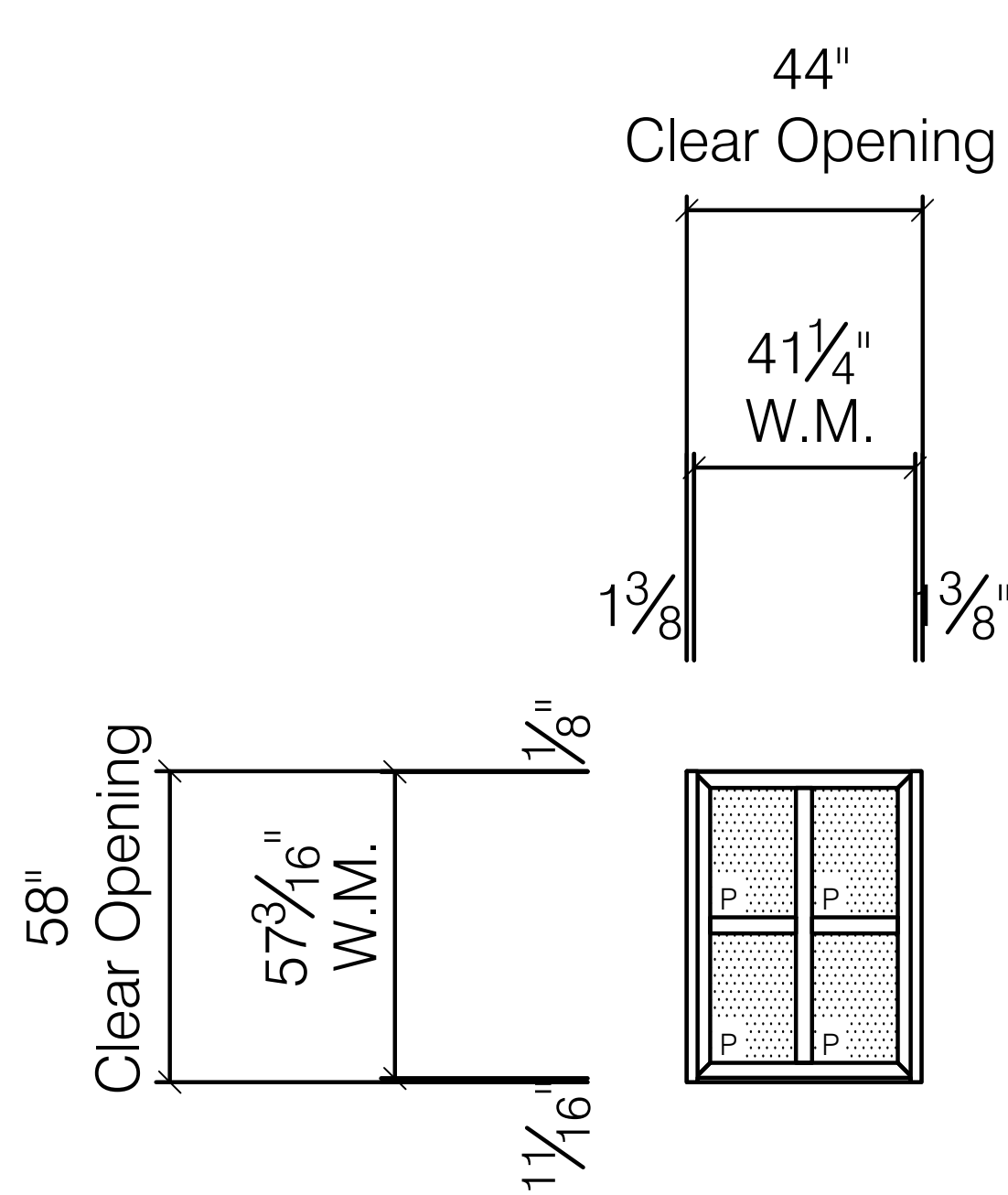
E
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 2 TOTAL



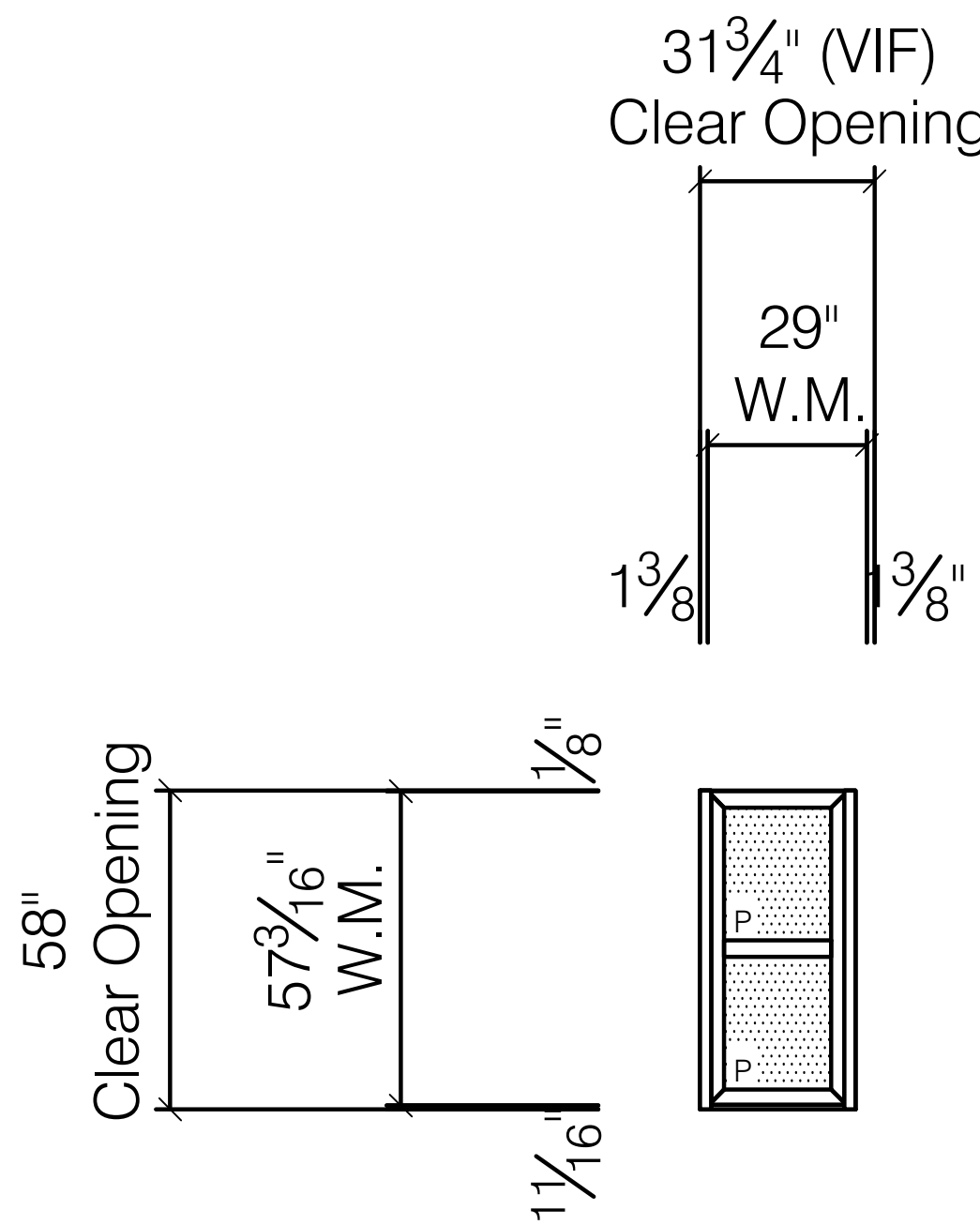
CDE
TRACO TR-9700 SERIES
BEVELED SINGLE HUNG
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



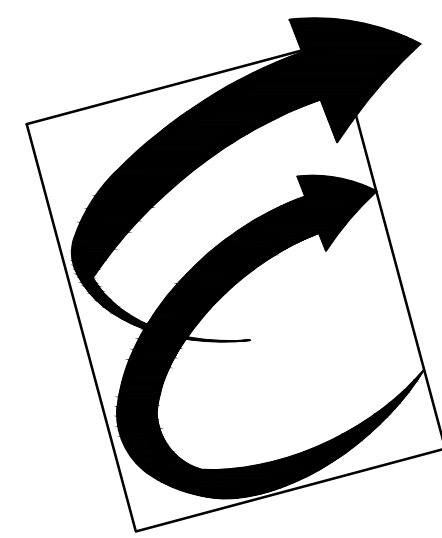
ELP
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



EMP
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



ERP
TRACO TR-7900 SERIES
FIXED WINDOW
SCALE: 3/8" = 1' - 0"
ARCH REF:
TOTAL: 1 TOTAL



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GENERAL CONTRACTOR:
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277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

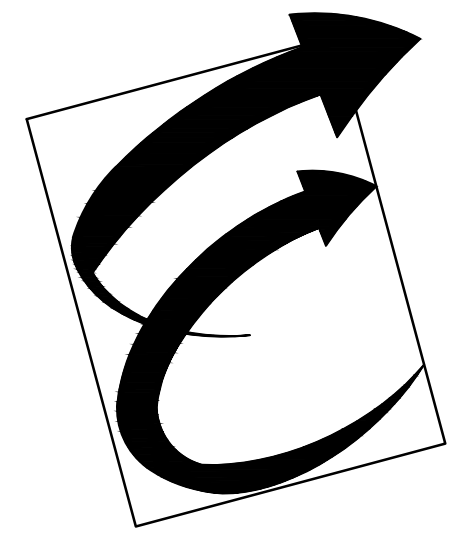
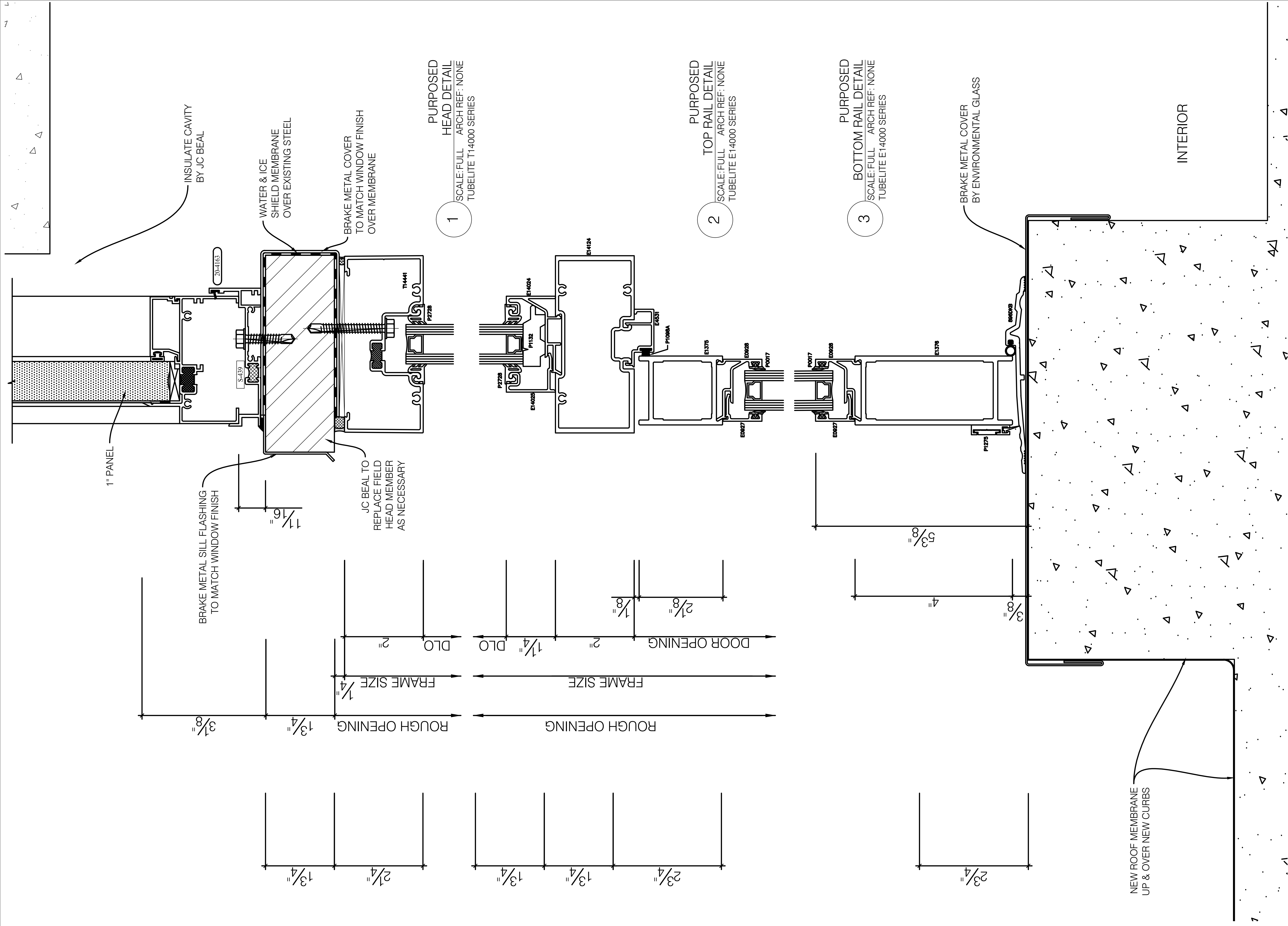
ELEVATIONS
33RD & 34TH FLOORS

SCALE: AS NOTED

CSI PROJECT NO:	03111042-AB
PROJECT MANAGER:	D. VAINER
DRAWN BY:	MJC
DATE:	10-01-12

DRAWING NO:

E5



Environmental Glass, Inc.
12235 Stark Road
Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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23581 Donaldson St.
Clinton Township, MI. 48035
(586) 790-4329
(586) 790-4346 (fx)

Revision or Issue:		
No.	Date	Subject
1	09-14-11	First Submittal
2	10-26-11	Second Submittal
3	11-07-11	Third Submittal
	10-01-12	AS BUILT FOR RECORD

PROJECT NAME AND LOCATION:
Broderick Tower Redevelopment Project
10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
SHOP DRAWINGS

ARCHITECT:
KRAEMER DESIGN GROUP
1420 BROADWAY
DETROIT, MICHIGAN 48206
PH: 313-965-3399 | FAX: 313-965-3555

GENERAL CONTRACTOR:
JC BEAL CONSTRUCTION, INC.
277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

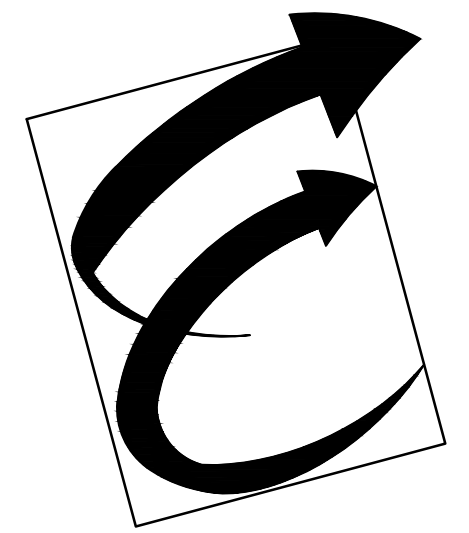
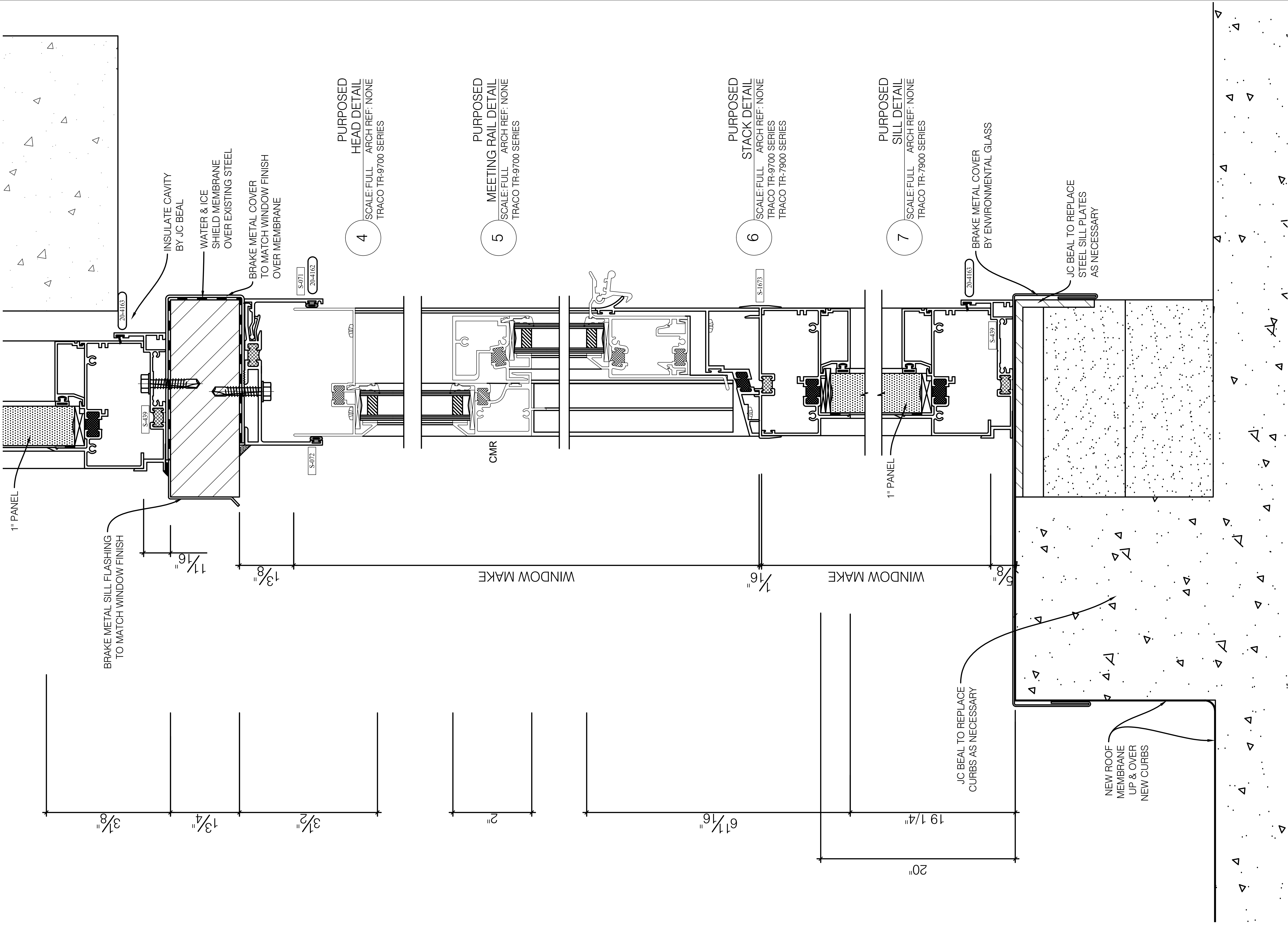
DRAWING TITLE:

**33RD & 34TH FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:

D1



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SEAL:

DRAWING TITLE:

**33RD & 34TH FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO: **D2**

8

9

10

11

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PROJECT NAME AND LOCATION:

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DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
REPLICATION / REPLACEMENT
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ARCHITECT:
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277 GRATIOT AVE., SUITE 500
DETROIT, MICHIGAN 48226
PH: 313-963-8951 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

33RD & 34TH FLOORS DETAILS

SCALE: FULL

CSI PROJECT NO: 03111042-AR

PROJECT MANAGER:	D. VAINER
------------------	-----------

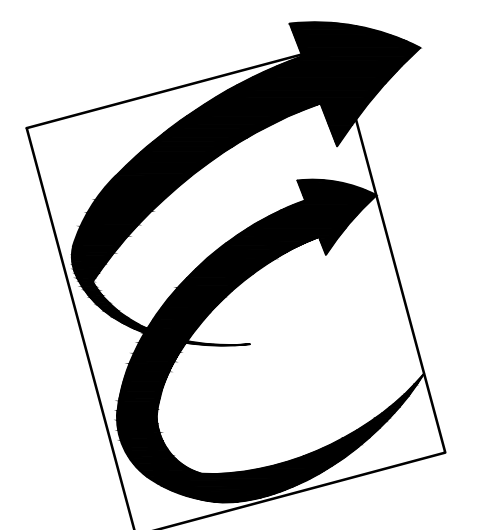
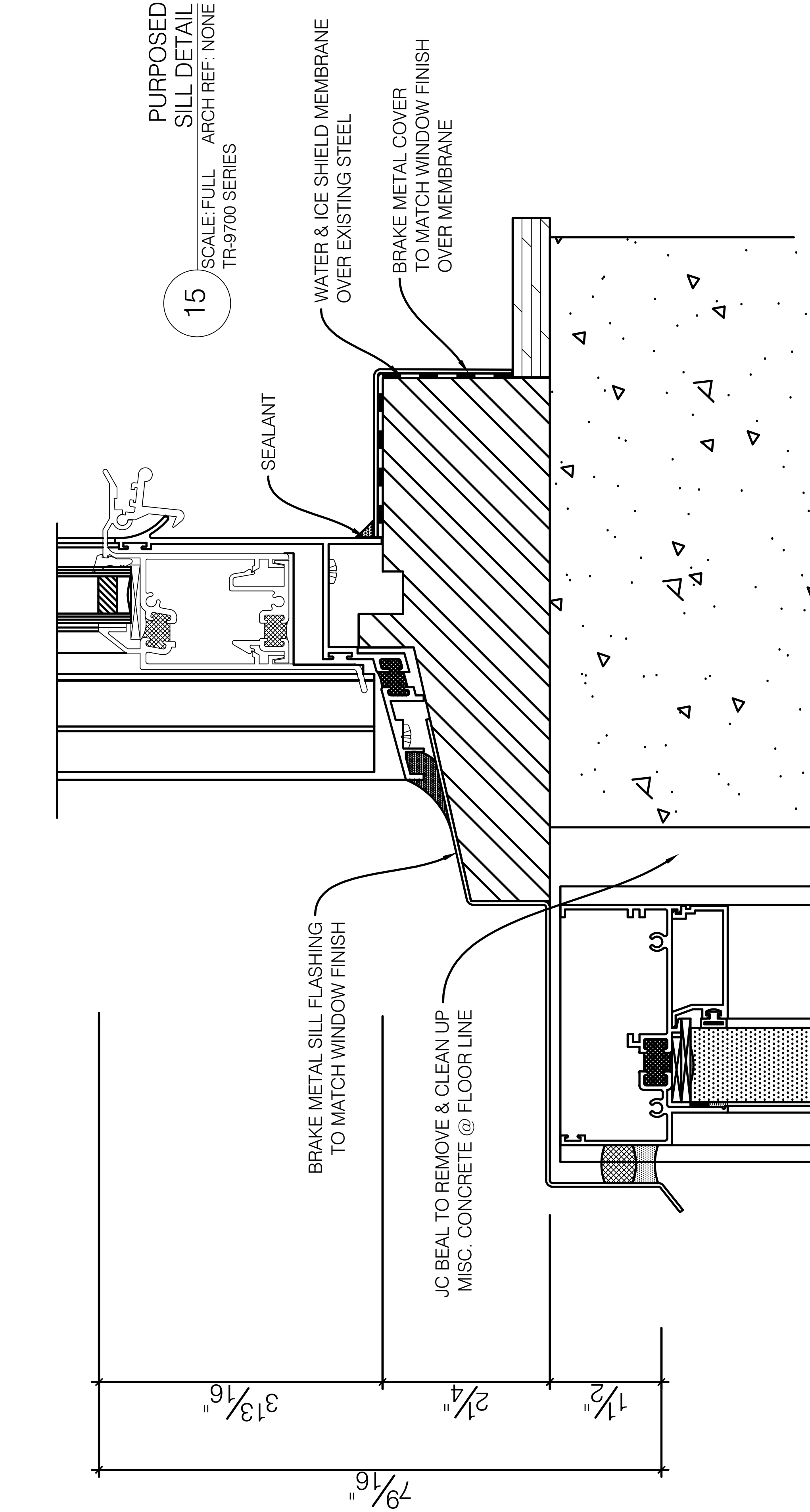
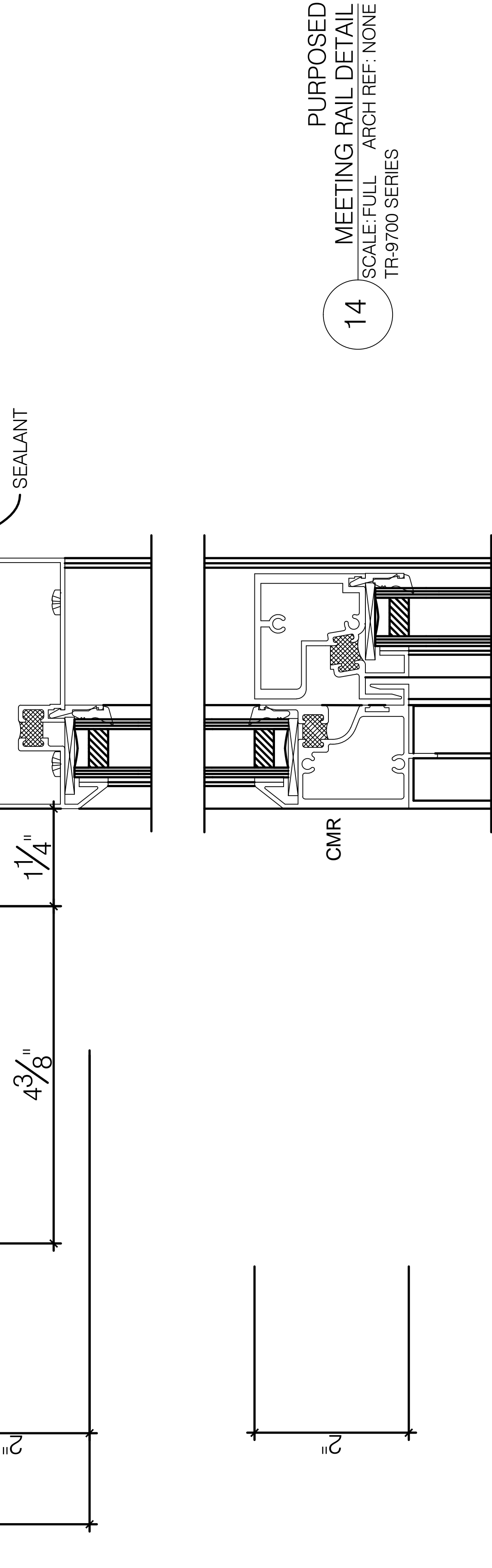
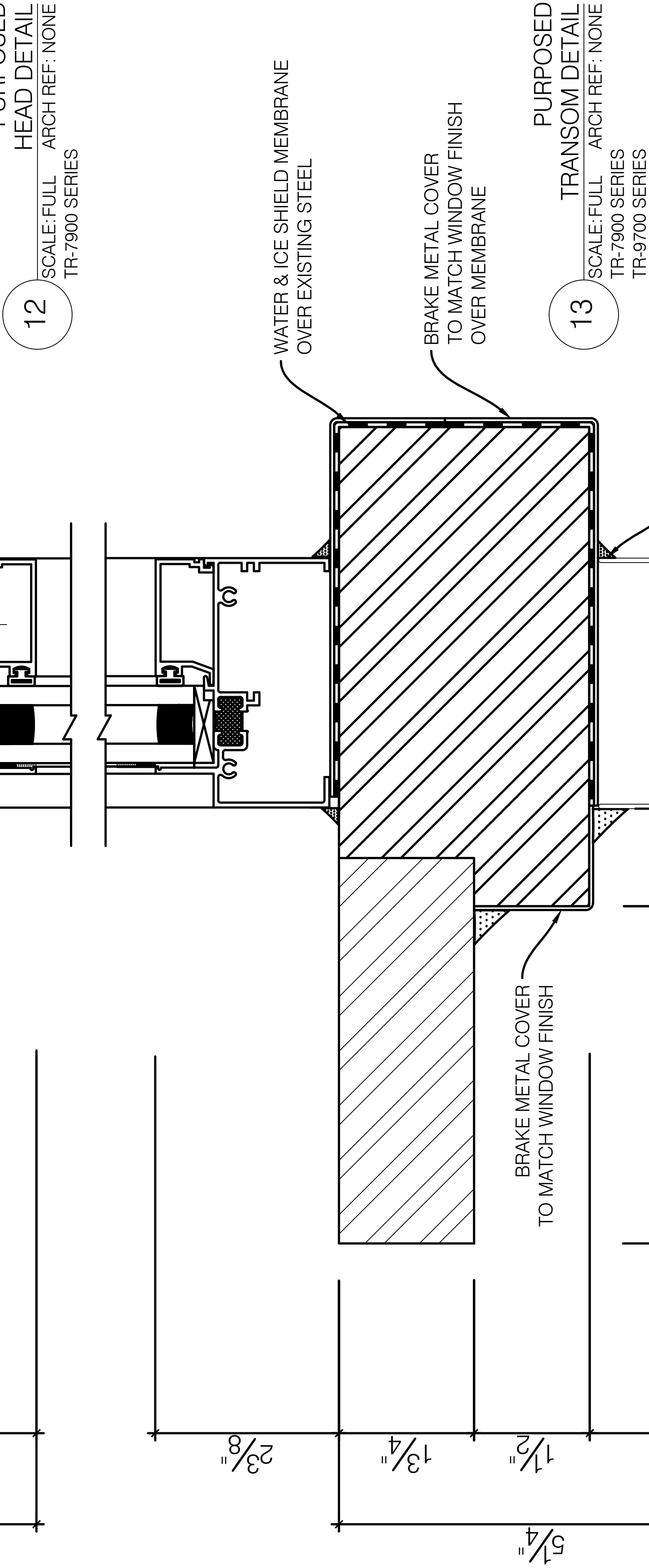
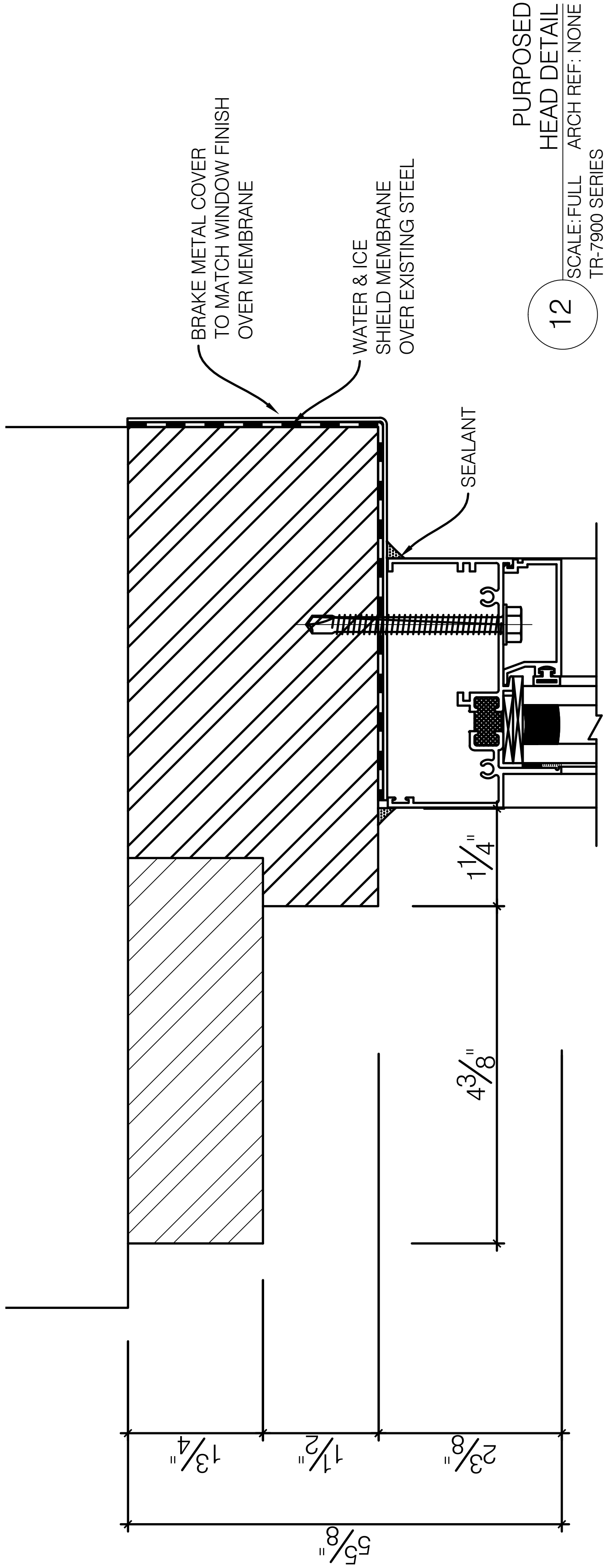
DRAWN BY: MIC

DATE: 10.01.10

DRAWING NO:

D3

5



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Livonia, Michigan 48150
Phone: (734) 261-1930 | Fax: (734) 261-5590

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Clinton Township, MI. 48035
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(586) 790-4346 (fx)

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10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

HISTORICAL WINDOW
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SHOP DRAWINGS

ARCHITECT:
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DETROIT, MICHIGAN 48226
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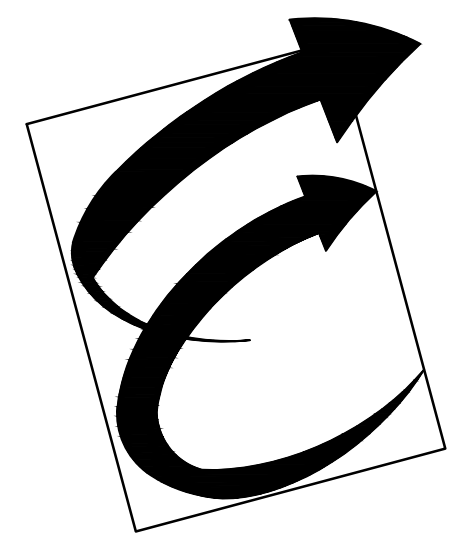
SEAL:

DRAWING TITLE:

**33RD & 34TH FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO: **D4**



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10 WITHERELL / 1556 WOODWARD
DETROIT, MICHIGAN 48226

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DETROIT, MICHIGAN 48226
PH: 313-963-8961 | FAX: 313-963-3144

SEAL:

DRAWING TITLE:

33RD & 34TH FLOORS
DETAILS

SCALE: FULL

CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO:

D5

35

16

PURPOSED
JAMB DETAIL

SCALE: FULL ARCH REF: NONE
TR-9700 SERIES

WATER & ICE SHIELD MEMBRANE
OVER EXISTING STEEL

BRAKE METAL COVER
TO MATCH WINDOW FINISH
OVER MEMBRANE

SEALANT

COVE JOINTS (TYP.)

4 3/8"

1 3/4"

1 1/2"

3 5/8"

6 7/8"

17

PURPOSED
JAMB DETAIL

SCALE: FULL ARCH REF: NONE
TR-9700 SERIES

SEALANT

BRAKE METAL COVER
TO MATCH WINDOW FINISH

SEALANT

COVE JOINTS (TYP.)

3 5/8"

1 1/2"

1 3/4"

1 1/2"

3 5/8"

1'-0"

18

PURPOSED
JAMB DETAIL

SCALE: FULL ARCH REF: NONE
TR-9700 SERIES

BRAKE METAL COVER
TO MATCH WINDOW FINISH
OVER MEMBRANE

SEALANT

BRAKE METAL COVER
TO MATCH WINDOW FINISH

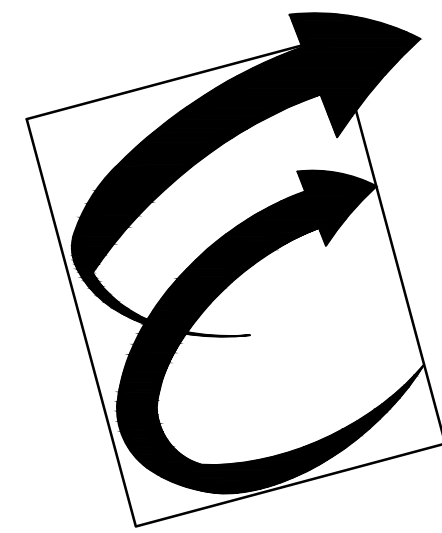
4 3/8"

3 5/8"

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6 7/8"



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HISTORICAL WINDOW
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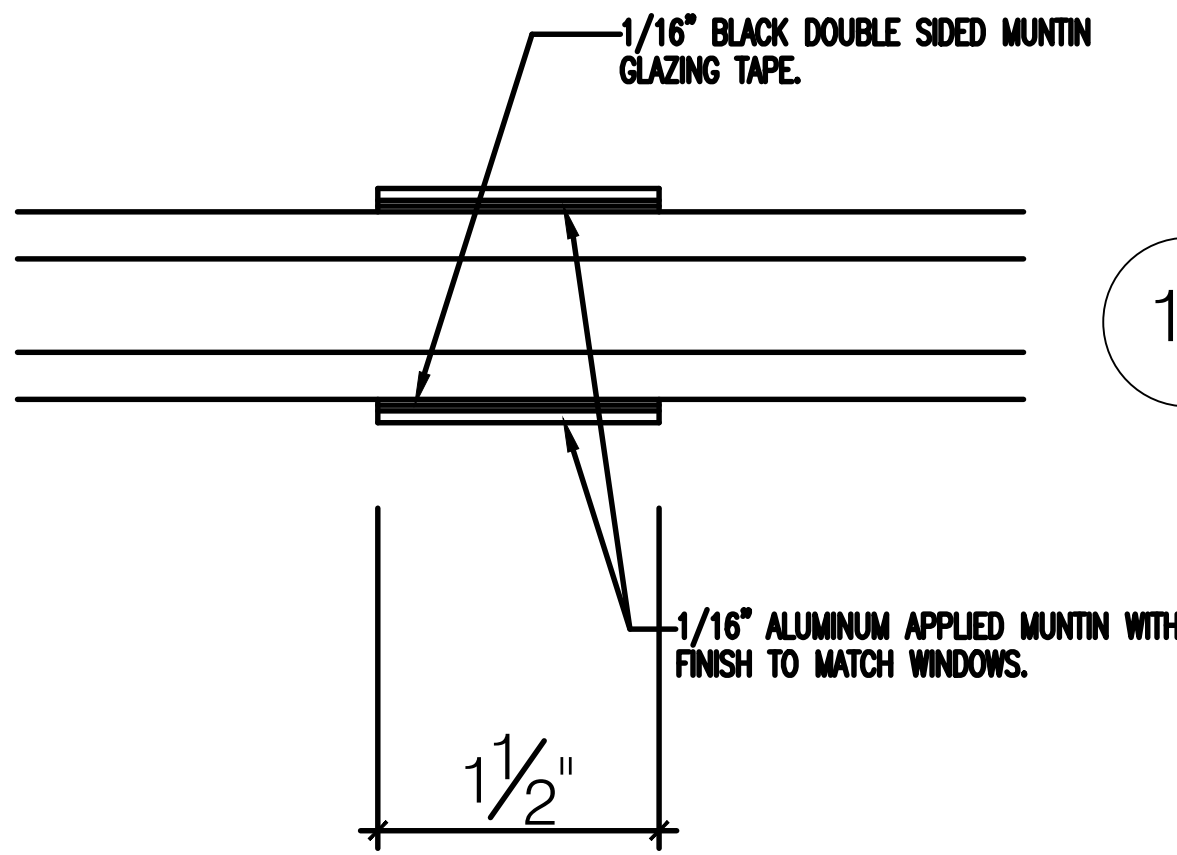
ARCHITECT:
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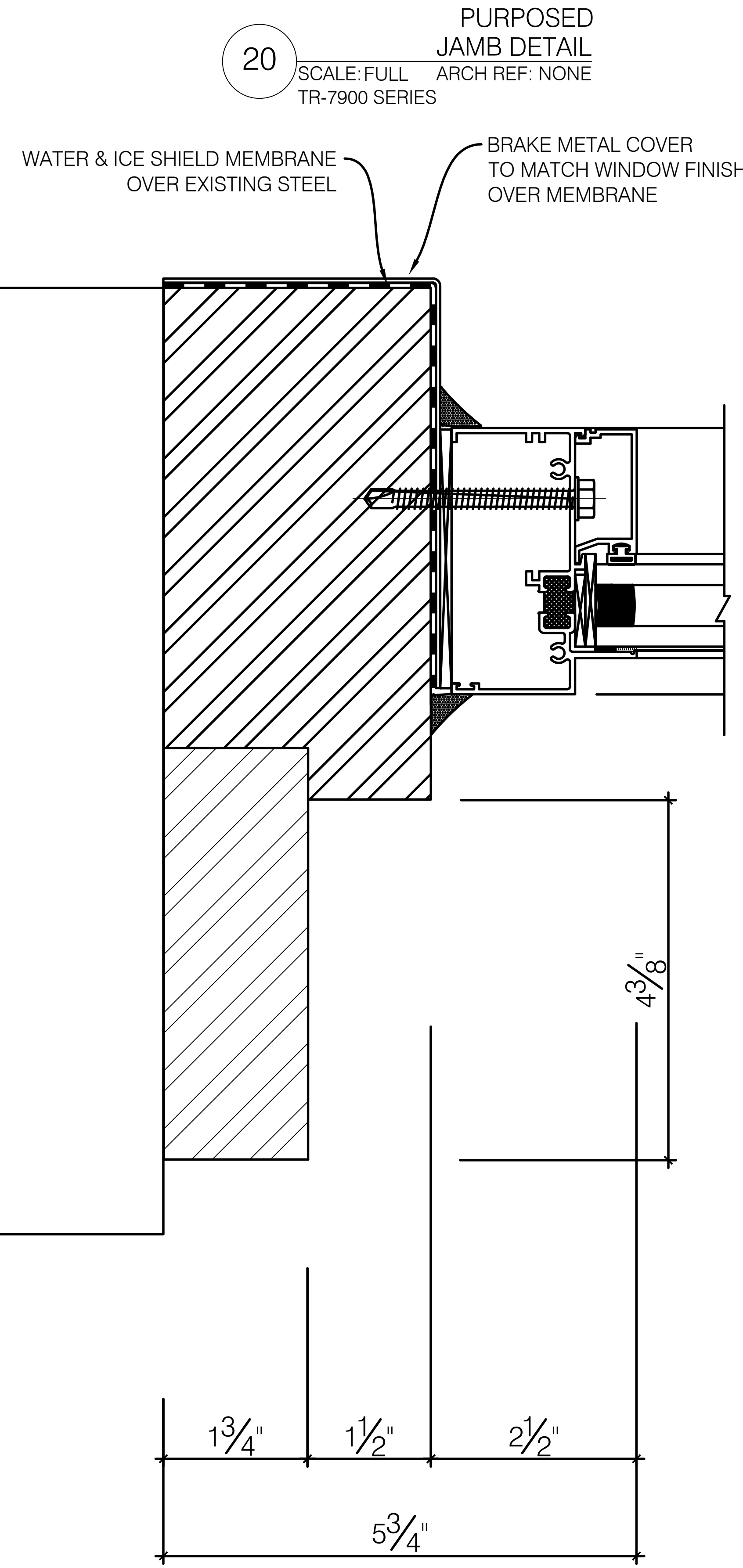
DRAWING TITLE:
**33RD & 34TH FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

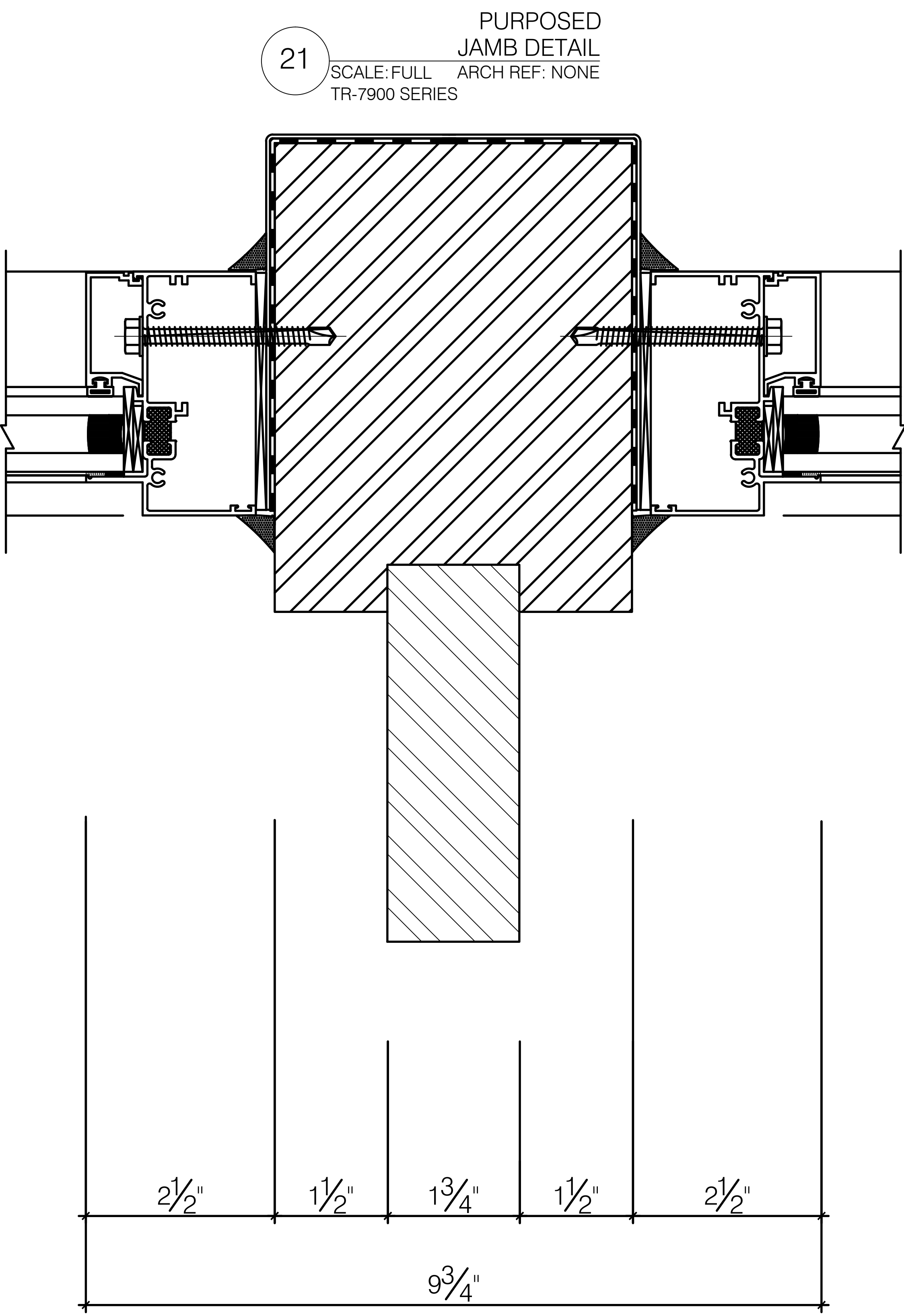
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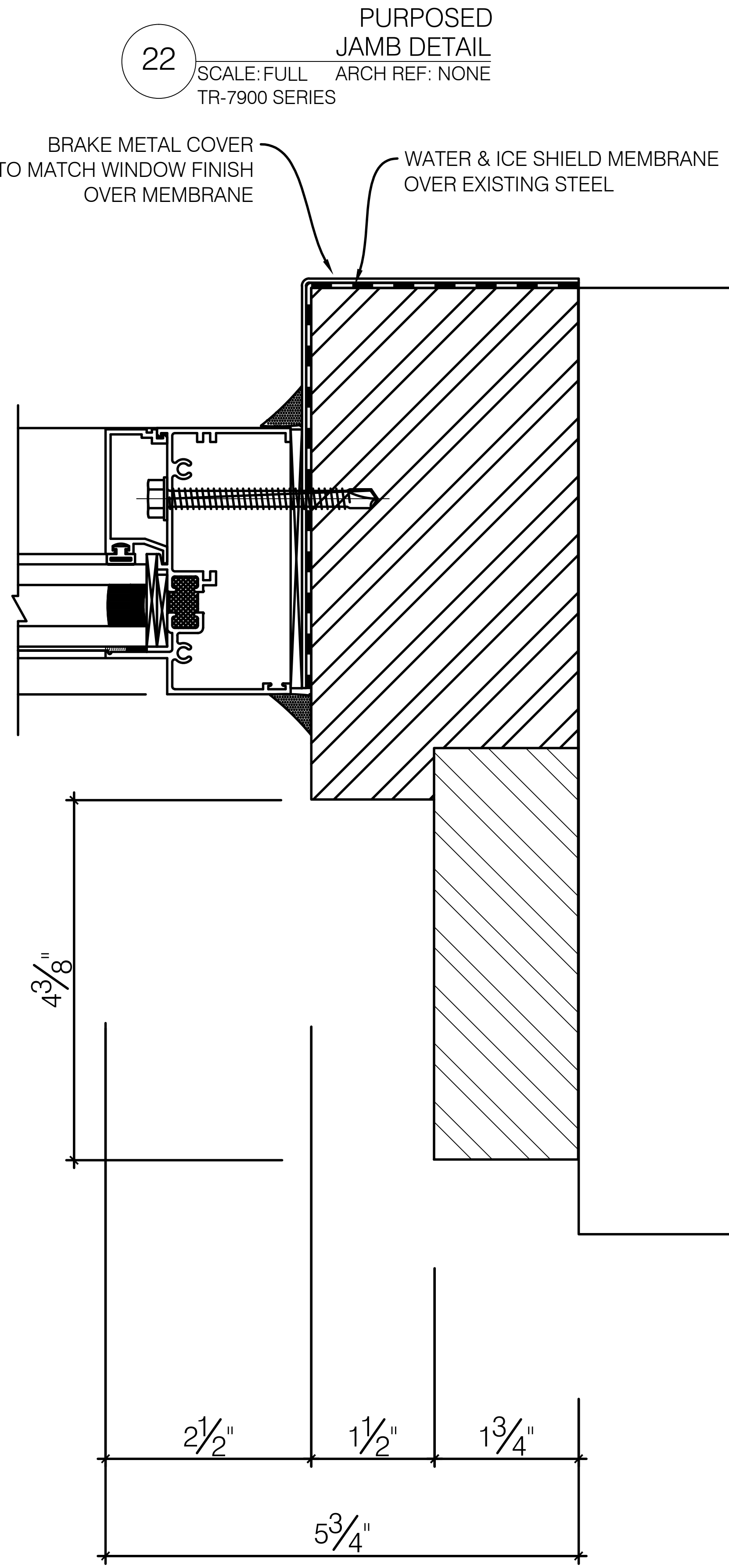
19 APPLIED MUNTIN DETAIL
SCALE: FULL ARCH REF: NONE
TRACO TR-7900 SERIES



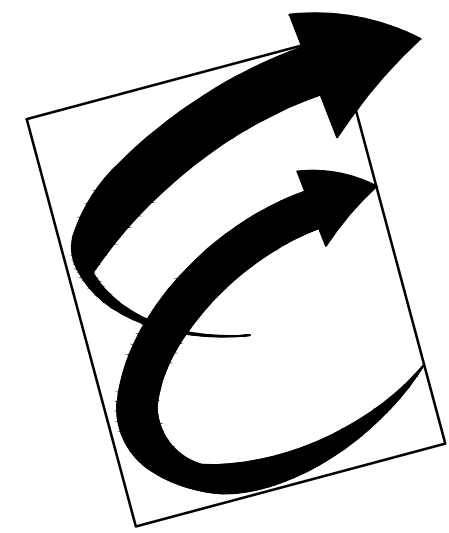
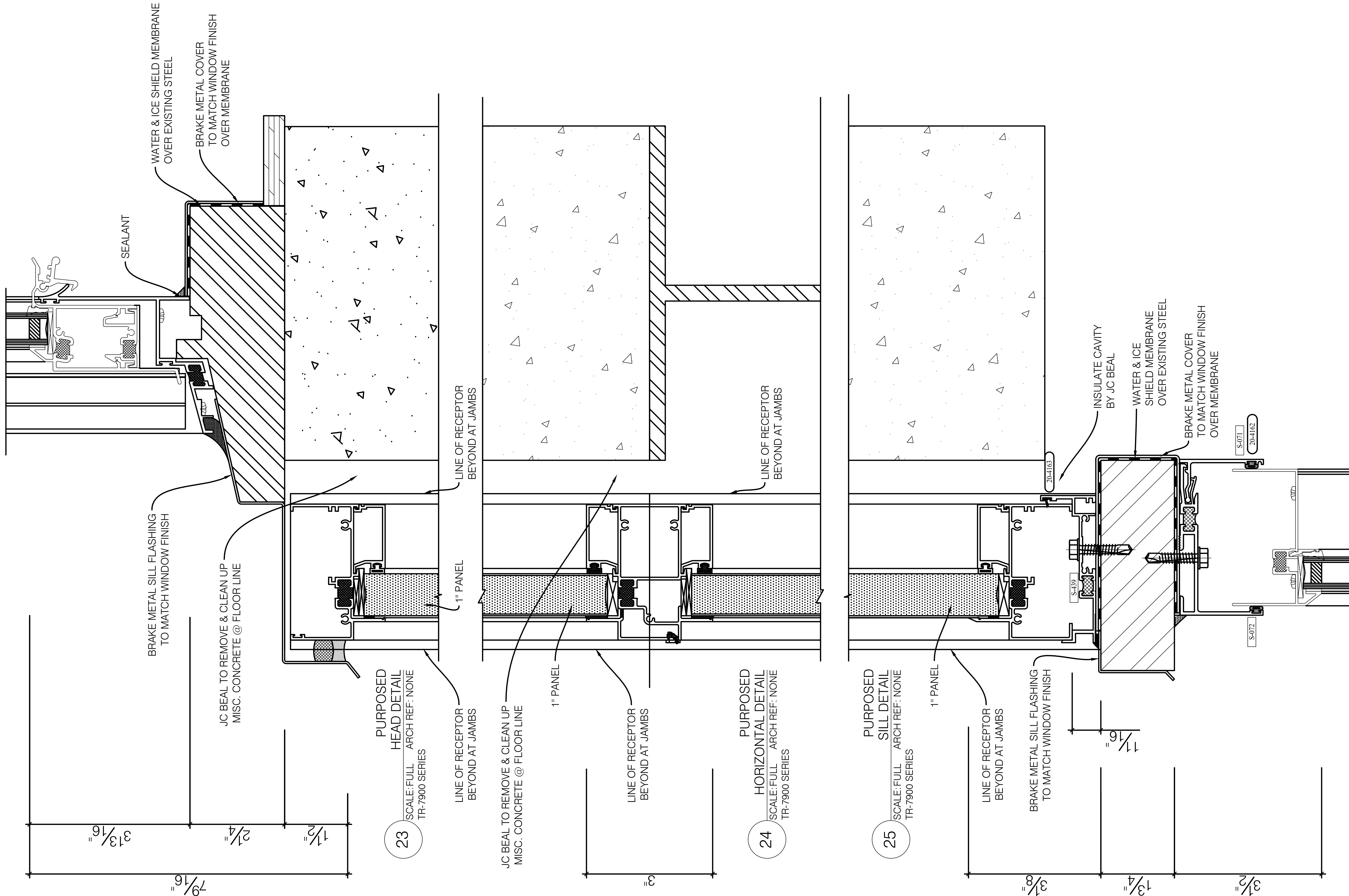
20 PURPOSED JAMB DETAIL
SCALE: FULL ARCH REF: NONE
TR-7900 SERIES



21 PURPOSED JAMB DETAIL
SCALE: FULL ARCH REF: NONE
TR-7900 SERIES



22 PURPOSED JAMB DETAIL
SCALE: FULL ARCH REF: NONE
TR-7900 SERIES



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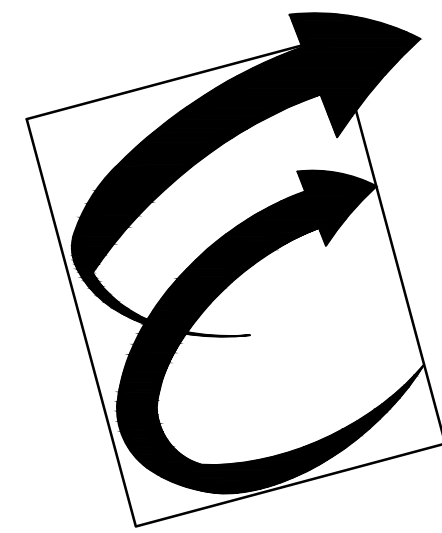
SEAL:

DRAWING TITLE:

**33RD & 34TH FLOORS
DETAILS**

SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO: **D7**



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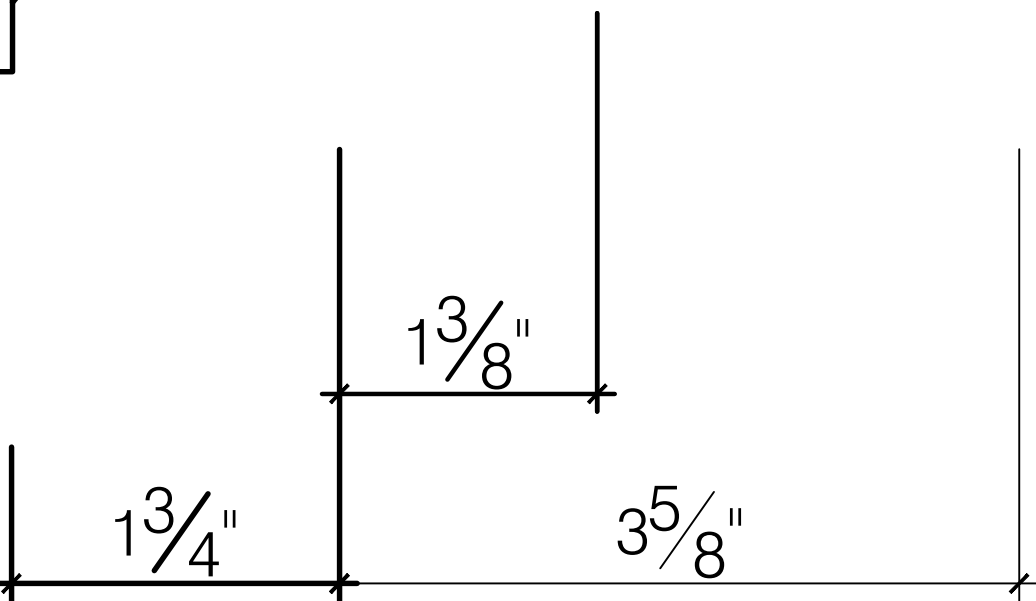
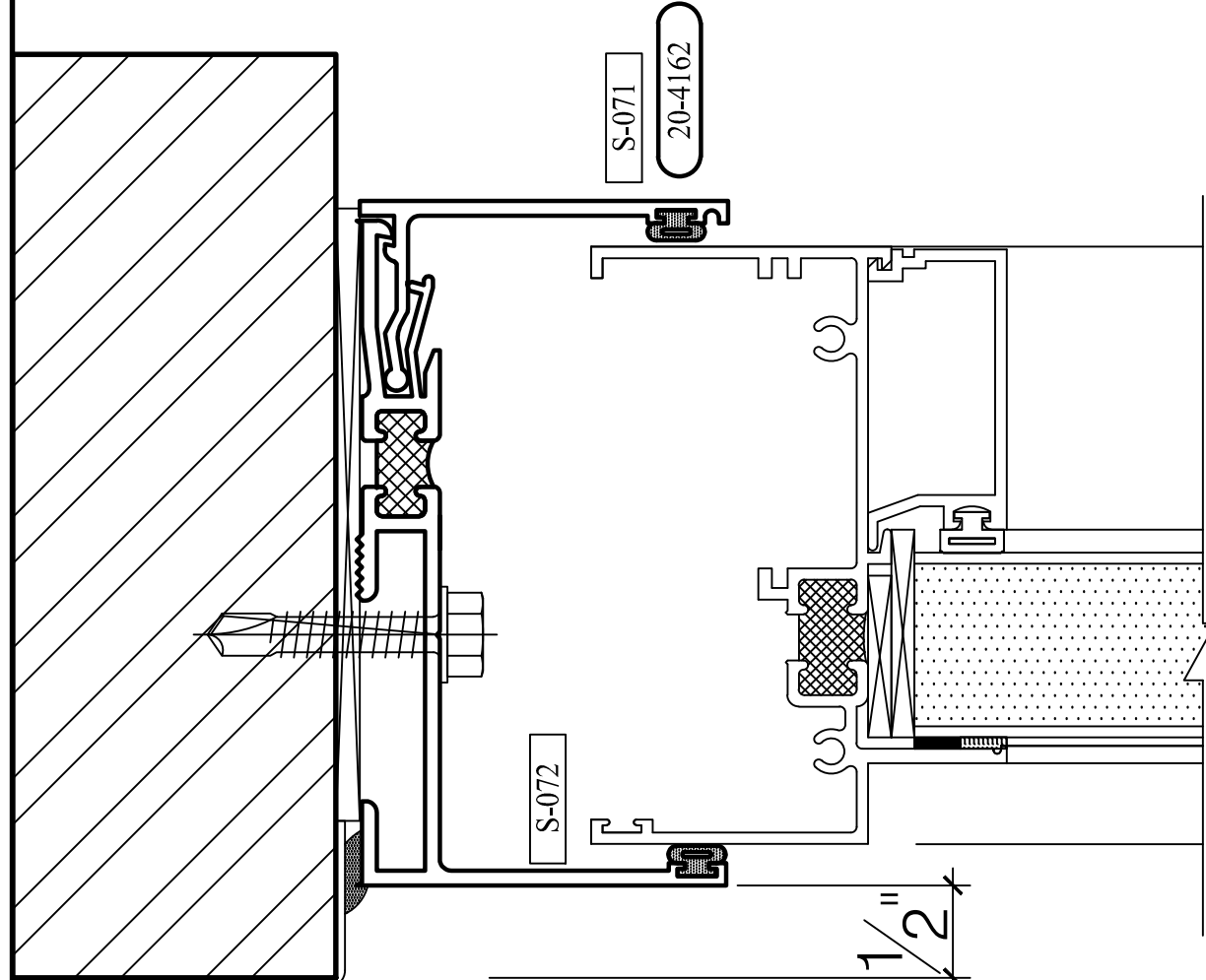
DRAWING TITLE:

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DETAILS**

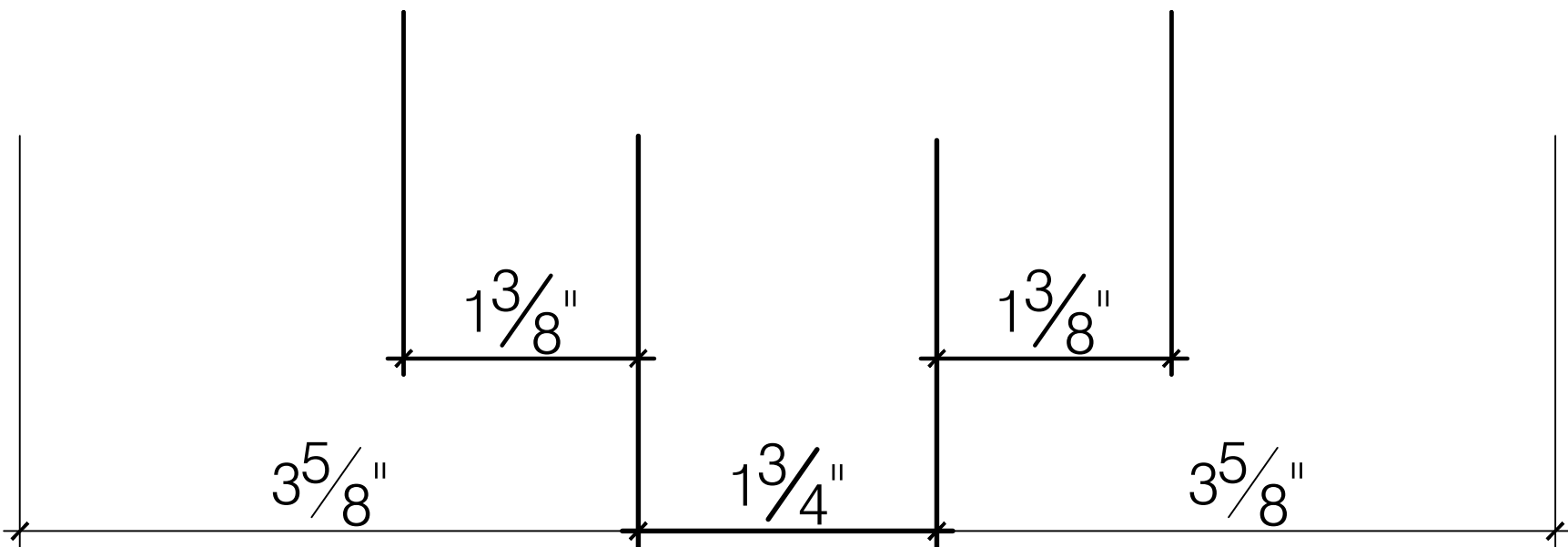
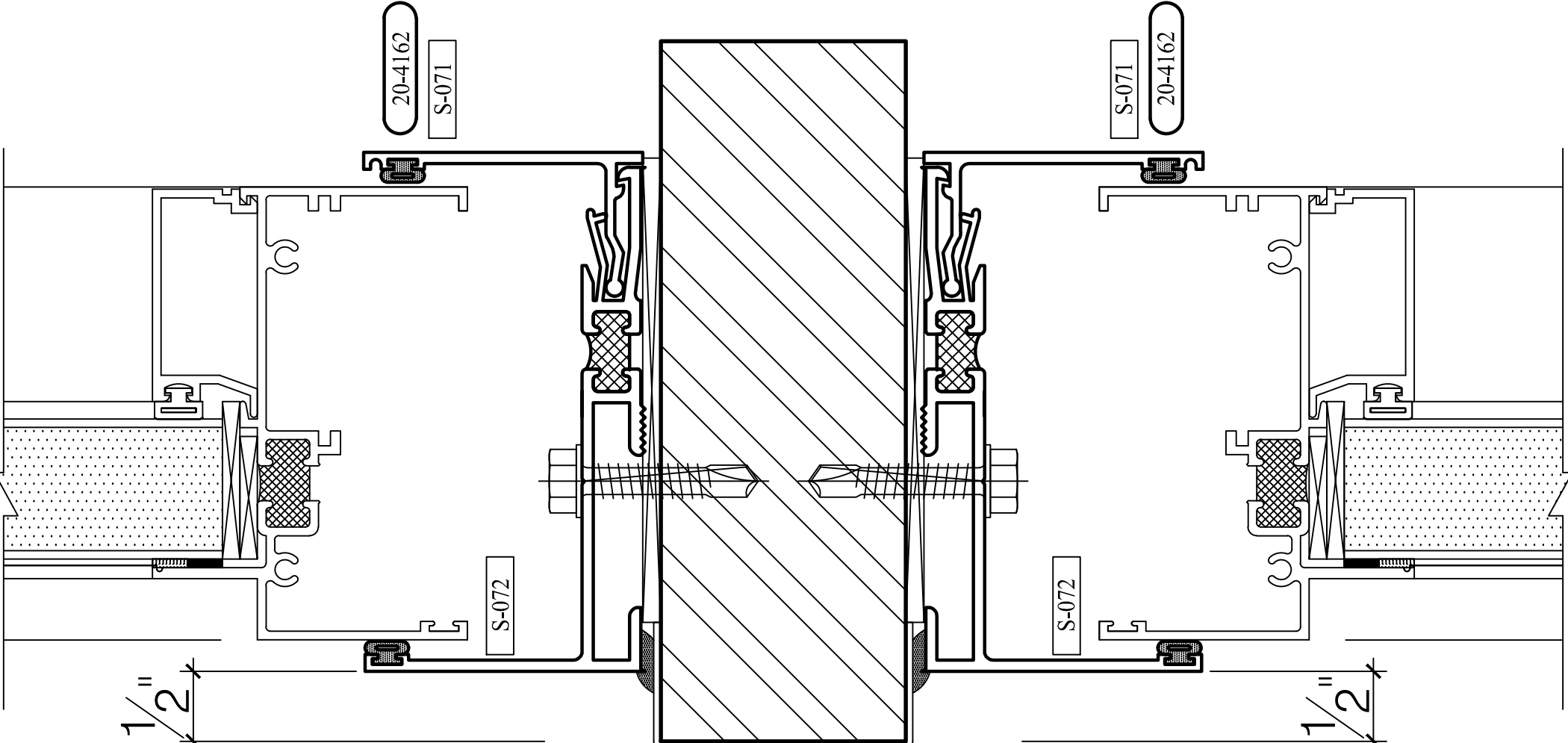
SCALE: FULL
CSI PROJECT NO: 03111042-AB
PROJECT MANAGER: D. VAINER
DRAWN BY: MJC
DATE: 10-01-12

DRAWING NO: **D8**

26 **PURPOSED
JAMB DETAIL**
SCALE: FULL ARCH REF: NONE
TR-7900 SERIES



27 **PURPOSED
JAMB DETAIL**
SCALE: FULL ARCH REF: NONE
TR-7900 SERIES



29 **PURPOSED
VERTICAL DETAIL**
SCALE: FULL ARCH REF: NONE
TR-7900 SERIES

