

PRODUCT APPROVAL DRAWINGS

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GENERAL NOTES:

DESIGN PRESSURE VARIES
REF. SHEETS 2-4 OF 12
WATER INFILTRATION: 20 PSF

AIR INFILTRATION: 6.24 PSF

TYPICAL GLASS BITE IS 3/4" UNLESS OTHERWISE NOTED.

1/2" MAX SHIM SPACE @ PERIMETER UNLESS OTHERWISE NOTED

ALL ALUMINUM EXTRUSIONS SHALL BE MADE FROM 6063-T6 ALLOY AND TEMPER.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH
THE CURRENT VERSION OF THE FLORIDA BUILDING CODE.

MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING.

SERIES 381 AND 281 ENTRANCE DOORS FOR PW256 CURTAIN WALL SYSTEM ARE SHOWN ON SEPARATE SUBMISSION. THE LOWER DESIGN PRESSURE OF WINDOW WALL OR DOOR WILL GOVERN

ABBREVIATIONS:

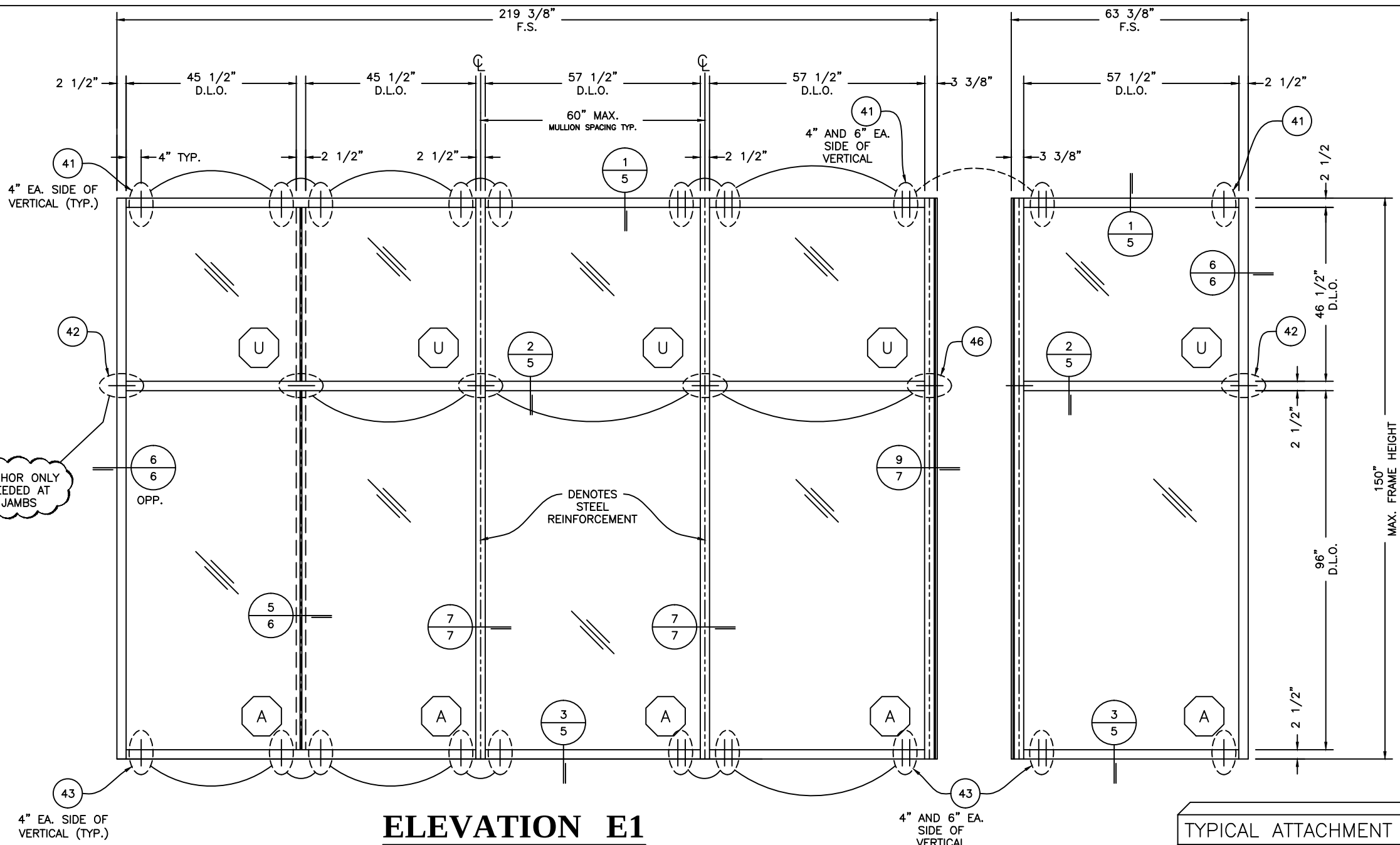
D.L.O. = DAY LIGHT OPENING
C.O.C. = CONCEALED OVERHEAD CLOSER
TYP. = TYPICAL
D.O.W. = DOOR OPENING WIDTH
D.O.H. = DOOR OPENING HEIGHT
S.A.C. = SURFACE APPLIED CLOSER

DEFINITIONS: DICTIONARY OF ARCHITECTURE & CONSTRUCTION-2ND EDITION

1. SIDE LIGHT — A FRAMED AREA OF FIXED GLASS ALONGSIDE A DOOR
2. TRANSOM FRAME — A DOORFRAME WITH A TRANSOM BAR AND GLASS ABOVE THE DOOR



TEST REPORT DRAWINGS PW256 IMPACT-RESISTANT CURTAIN WALL SYSTEM				 Architectural Products 3010 RICE MINE ROAD, TUSCALOOSA, AL 35406 PHONE: 800-772-7737 FAX: 800-255-7320			
DATE				7/5/2017			
DRAWN MRG		CHECKED ---		APPROVED ---			
PROJECT NO.				TEST			
DRAWING NO.				PW256_01			
SHEET				1 OF 16			



LEGEND
 (—) (|) EACH LINE REPRESENTS ONE FASTENER

TYPICAL ATTACHMENT TO CONCRETE/STEEL
 2500 P.S.I. CONCRETE
 1/4" MIN. THICK STEEL

ELEVATION E1 CAPTURED & B.G. MULLIONS -LONG SPAN-WITH SR150 & 1/2"x 3-3/4" BAR STEEL REINFORCEMENT

DESIGN PRESSURE = +/-80 PSF
 IMPACT TEST 9LB 40Z, 2X4
 @ 50FT/SEC
 MAX. ALLOWABLE DEFECTION
 (L/180)=0.833
 WATER TEST AT 20 PSF
 AIR @ 6.24 P.S.F.

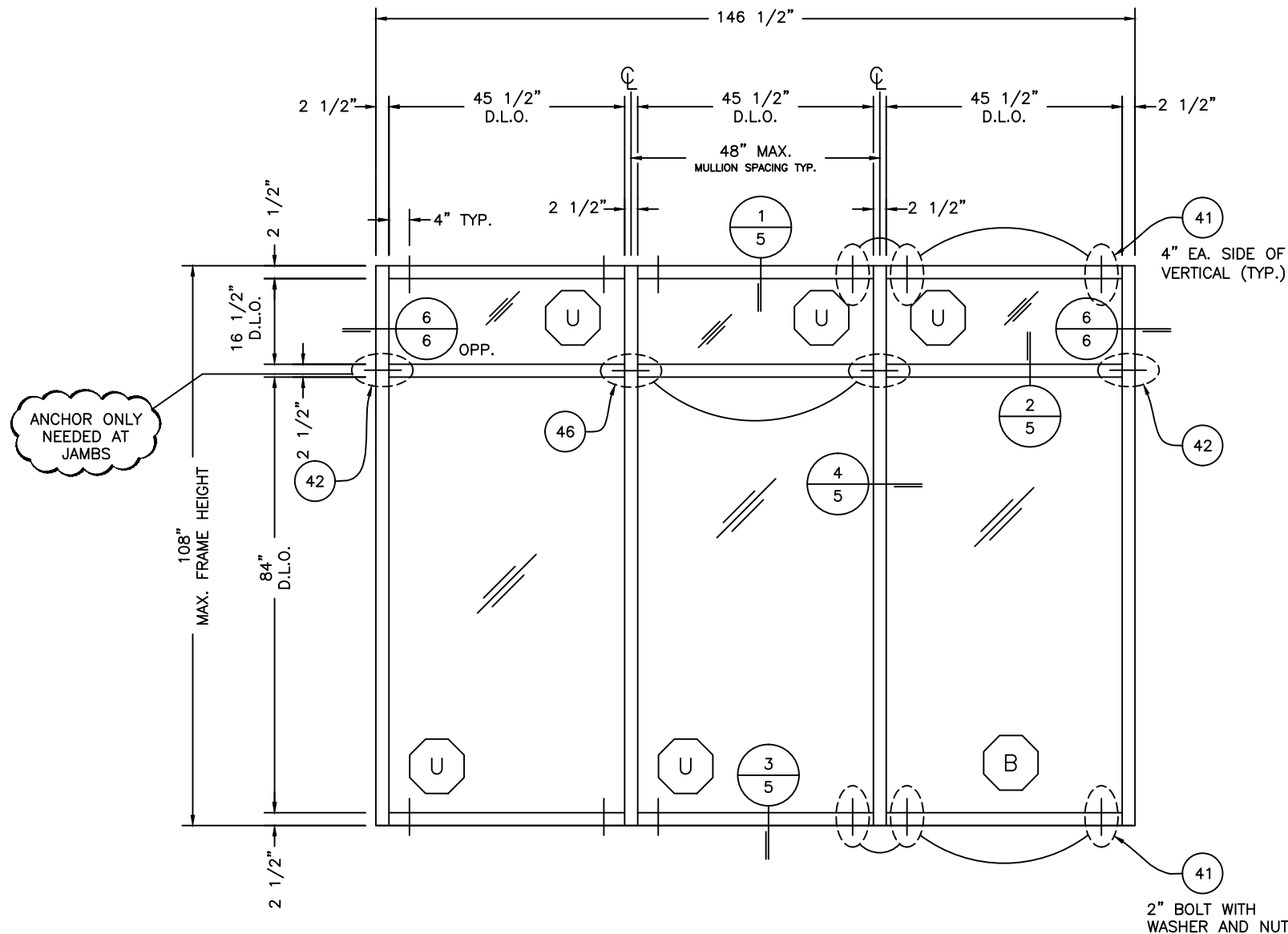
- NOTES:
- GLASS SIZE=D.L.O. + 1-1/8"
 - HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
 - HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

0 1'-4" 2'-8" 5'-4"
 SCALE: 3/8"=1'-0"



TEST REPORT DRAWINGS PW256 IMPACT-RESISTANT CURTAIN WALL SYSTEM		E1 - CAPTURED & B.G. MULLIONS	
DATE	7/5/2017	DRAWN	MRG
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PROJECT NO.	PW256_03	DRAWING NO.	PW256_03
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3010 RICE MINE ROAD, TUSCALOOSA, AL 35606
 PHONE: 800-772-7737 FAX: 800-256-1320



ELEVATION E2 CAPTURED MULLION -SHORT SPAN- WITHOUT REINFORCEMENT

LEGEND

— — — — —
— — — — —
EACH LINE REPRESENTS
ONE FASTENER

TYPICAL ATTACHMENT TO CONCRETE/STEEL
2500 P.S.I. CONCRETE
1/4" MIN. THICK STEEL

DESIGN PRESSURE = +/-65 PSF

IMPACT TEST 9LB 4OZ, 2X4
@ 50FT/SEC

MAX. ALLOWABLE DEFLECTION
(L/180)=0.600

NOTES:

1. GLASS SIZE=D.L.O. + 1-1/8"
2. HORIZONTAL MULLION (DETAIL 3/8 OR 3A/8) IS OPTIONAL IN ANY BAY
3. HEAD (DETAIL 1/8 OR 1A/8) IS OPTIONAL IN ANY BAY.

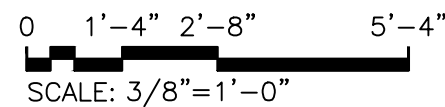
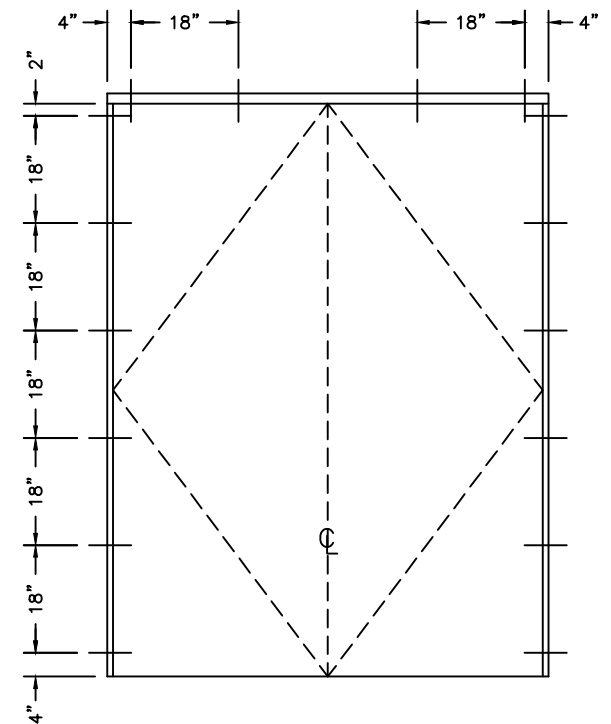
0 1'-4" 2'-8" 5'-4"
SCALE: 3/8"=1'-0"



Coral
Architectural Products
3010 RICE MINE ROAD, TUSCALOOSA, AL 35406
PHONE: 800-772-7737 FAX: 800-255-7320

TEST REPORT DRAWINGS
PW256 IMPACT-RESISTANT
CURTAIN WALL SYSTEM
E2 - CAPTURED MULLION WITHOUT
REINFORCEMENT

DATE	7/5/2017
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APPROVED	---
PROJECT NO.	PW256_03
DRAWING NO.	PW256_03
SHEET	3 OF 12

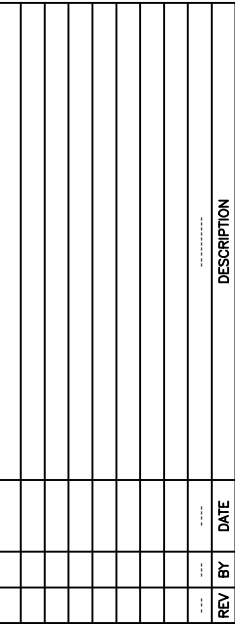
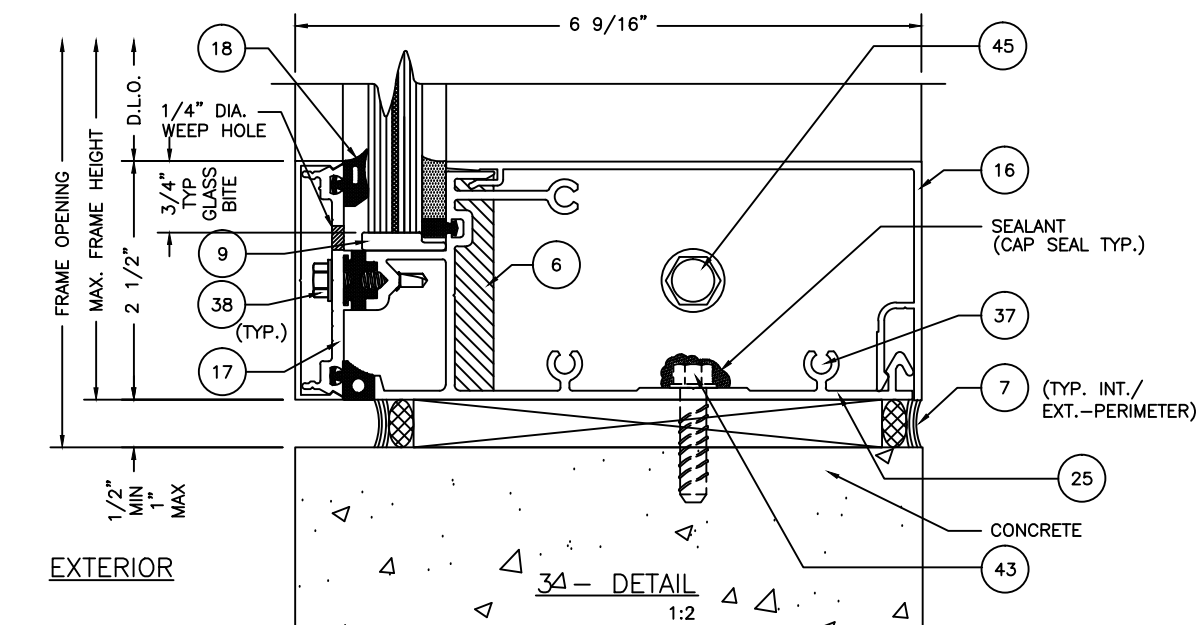


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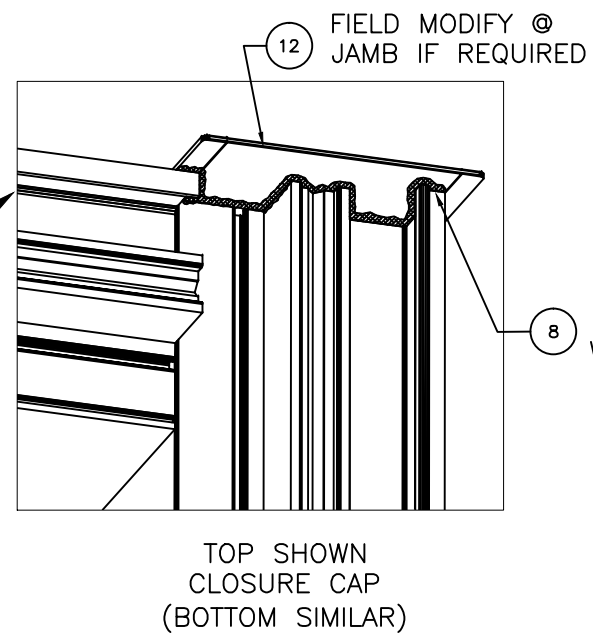
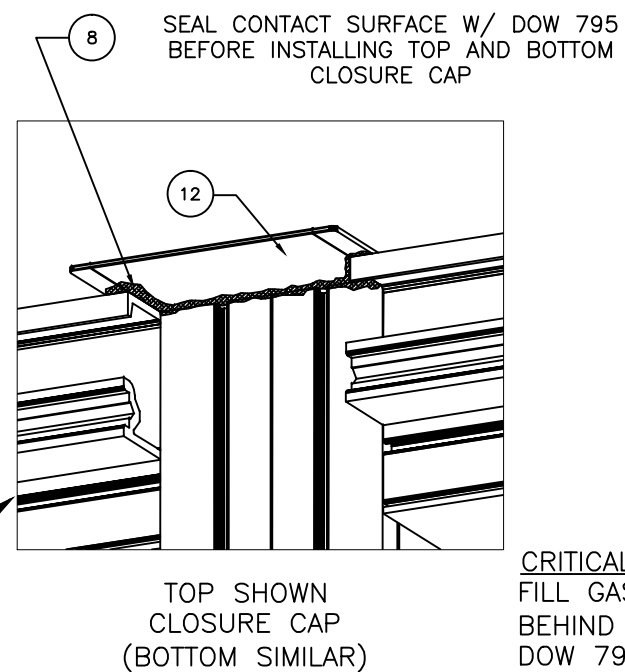
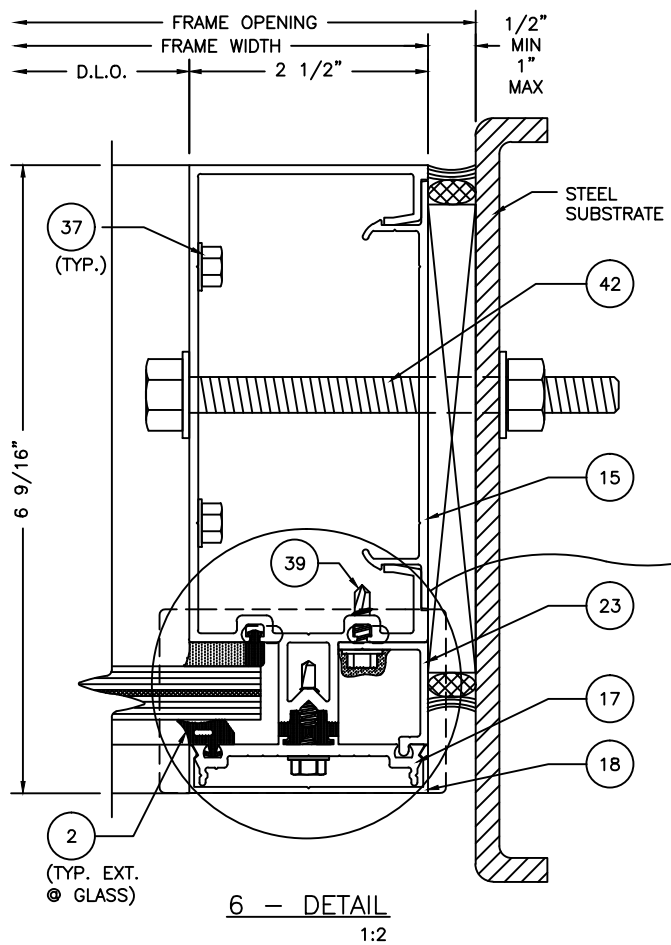
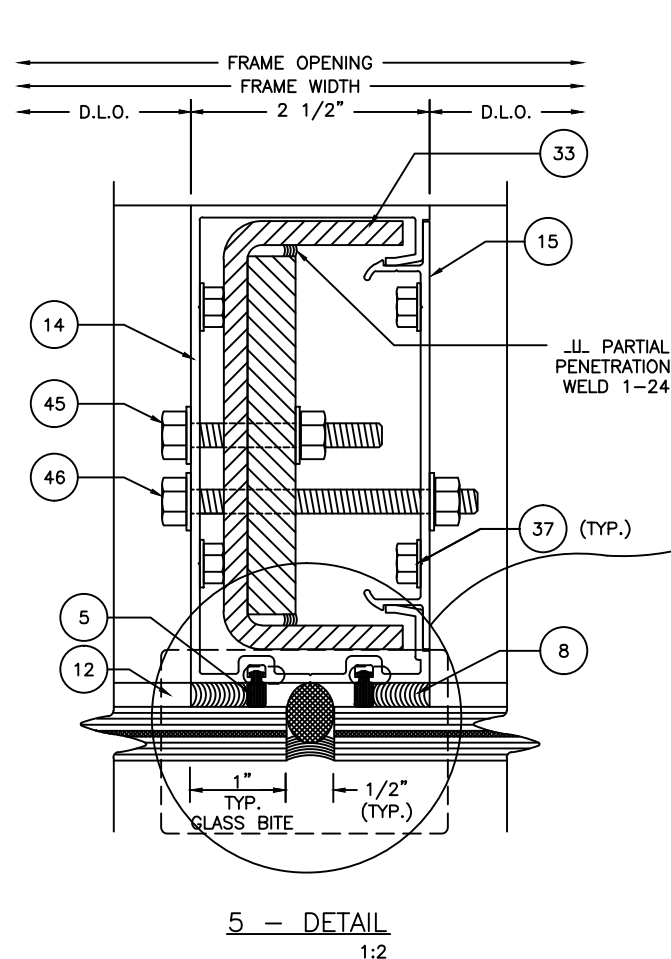


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TEST REPORT DRAWINGS

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SHEET 5 OF 12		

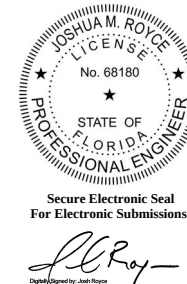




CRITICAL SEAL
FILL GASKET REGLET BEHIND END DAM W/ DOW 795

CRITICAL SEAL
APPLY DOW 795 SEALANT TO ALL THREE CONTACT SURFACES PRIOR TO INSTALLATION AT HORIZONTALS AND SILL.

CRITICAL SEAL
APPLY DOW 795 SEALANT TO ALL THREE CONTACT SURFACES PRIOR TO INSTALLATION AT HORIZONTALS AND SILL.



TEST REPORT DRAWINGS
PW256 IMPACT-RESISTANT
CURTAIN WALL SYSTEM

FRAMING DETAILS

DATE	7/5/2017
DRAWN	MRG
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PROJECT NO.	
DRAWING NO.	PW256_03
SHEET	6 OF 12

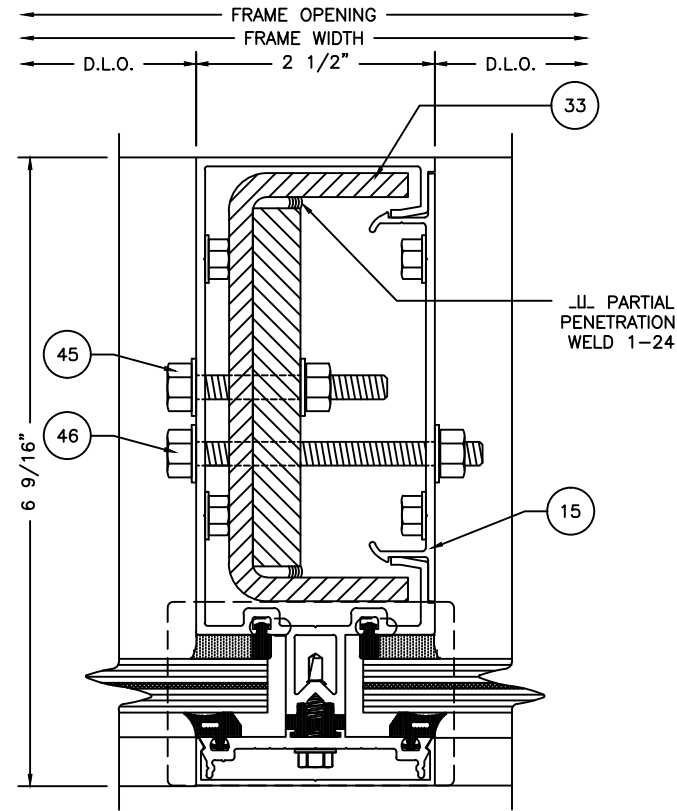
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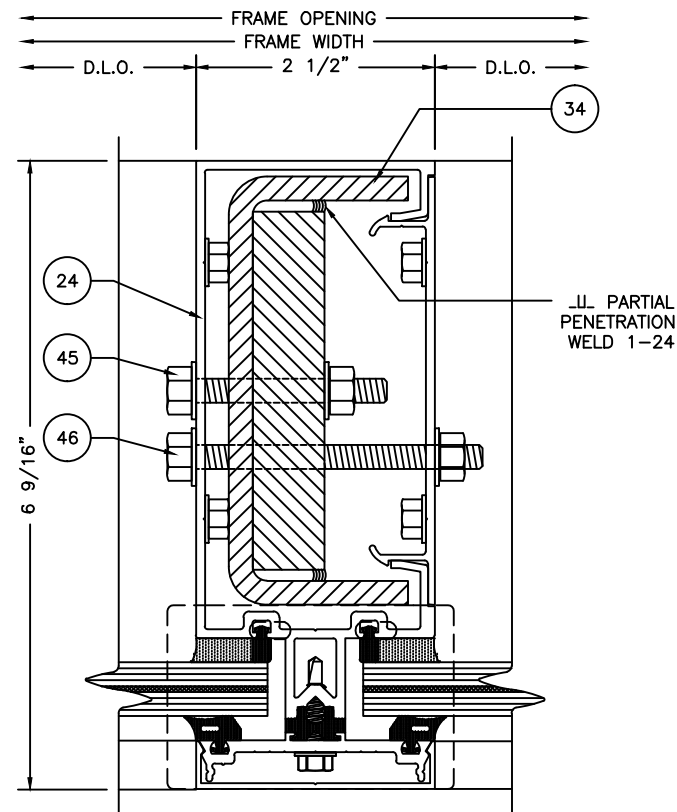
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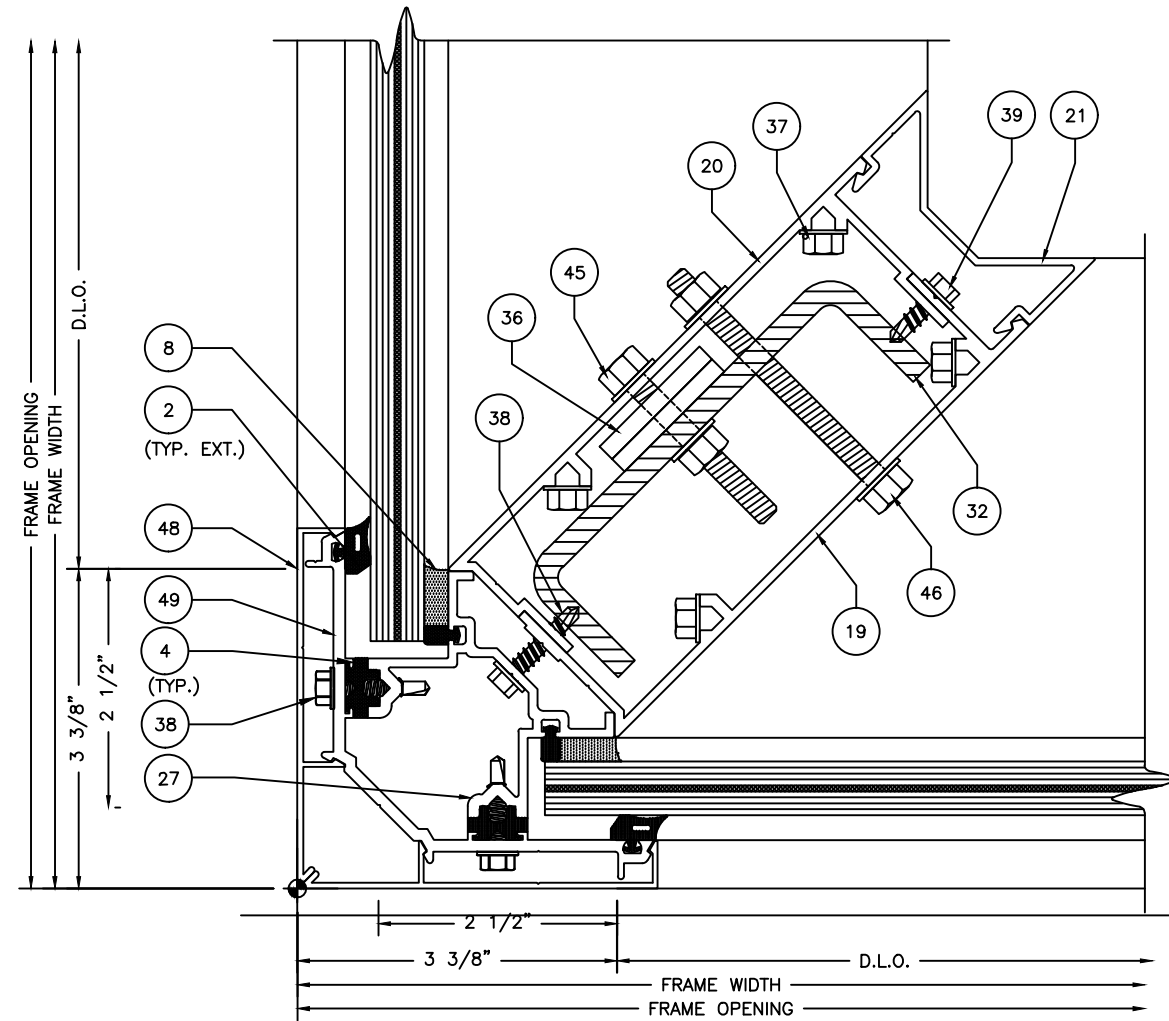
BY



7 - DETAIL
1:2



8 - DETAIL
1:2



9 - DETAIL
1:2



TEST REPORT DRAWINGS
PW256 IMPACT-RESISTANT
CURTAIN WALL SYSTEM

FRAMING DETAILS

DATE	7/5/2017
DRAWN	MKG
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PROJECT NO.	
DRAWING NO.	PW256_03
SHEET	7 OF 12

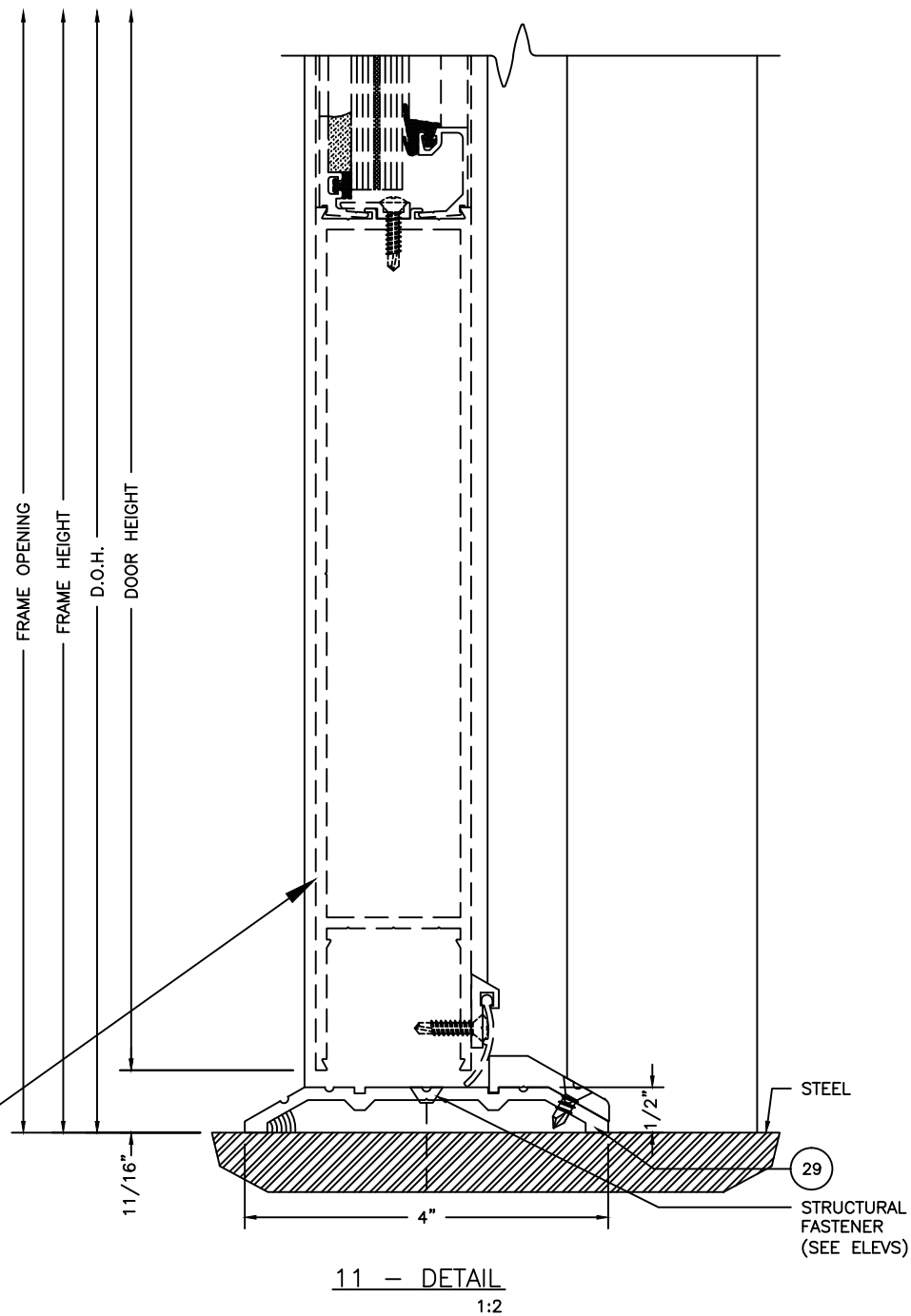
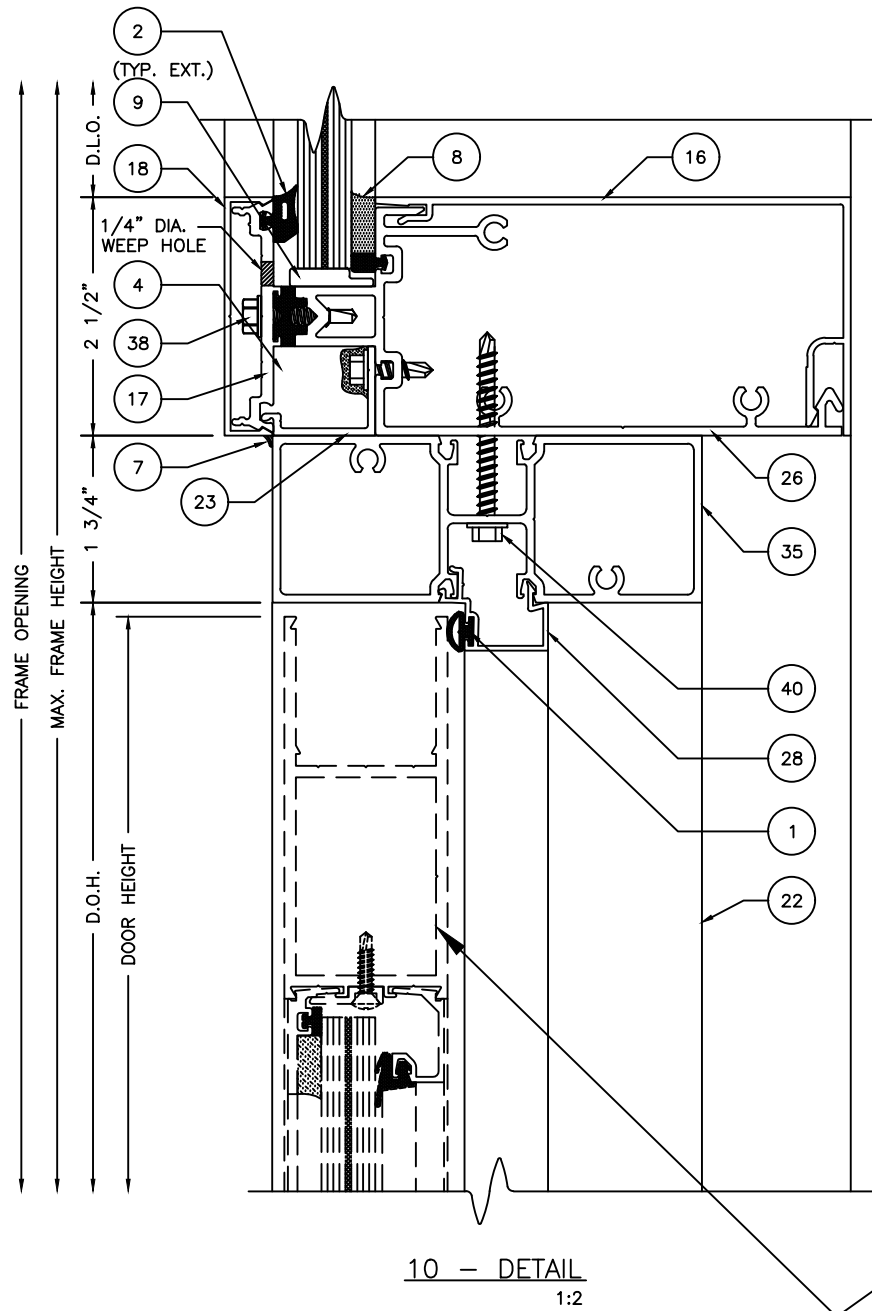
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DESCRIPTION

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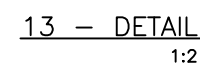
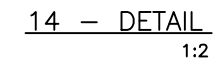
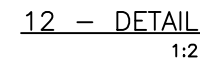
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SEE FL 10432.1 AND
10432.2



TEST REPORT DRAWINGS PW256 IMPACT-RESISTANT CURTAIN WALL SYSTEM			DOOR AND FRAMING DETAILS		
DATE 7/5/2017			DRAWN MRG		
CHECKED ---			APPROVED ---		
PROJECT NO.			DRAWING NO. PW256_03		
SHEET 8 OF 12			REV BY DATE		
DESCRIPTION			S:\coral logos\CAPTitePageLogo.jpg		



TEST REPORT DRAWINGS PW256 IMPACT-RESISTANT CURTAIN WALL SYSTEM					
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DOOR AND FRAMING DETAILS					
DATE 7/5/2017					
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PROJECT NO.					
DRAWING NO. PW256_03					
SHEET 9 OF 12					

BILL OF MATERIALS						
ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	3NOTES
1	NG5	BULB GASKET – DOORFRAME STOP	0.165 SPACE	EPDM	VARIES	
2	NG10	EXTERIOR GLAZING GASKET	0.250 SPACE	EPDM	VARIES	
3	NG11	EXTERIOR PERIMETER GASKET	0.300 SPACE	EPDM	VARIES	
4	NG12	PRESSURE BAR GASKET (ISOLATOR)	0.140 SPACE	EPDM	VARIES	
5	NG14	INTERIOR SPACER GASKET	0.250 SPACE	EPDM	VARIES	
6	SM5601	JOINT SEALANT TAPE	0.500 X 0.125 X VARIES	BUTYL	SCHNEE–MOOREHEAD	
7	795	SILICONE – PERIMETER SEALANT	FILL SPACE	SILICONE	DOW CORNING	USED @ PERIMETER
8	995	SILICONE – GLASS TO METAL	FILL SPACE	SILICONE	DOW CORNING	GLASS TO METAL AND INTERNAL
9	SB14	SETTING BLOCK @ SILL & HORIZONTAL	0.875 X 0.188 X 4.000	EPDM	VARIES	2 PER LITE
10	SP202	END DAM @ CAPTURED MULLION	1.287 X 1.068 X 0.745	INJECTION MOLDED PLASTIC	CORAL INDUSTRIES, INC.	LOCATE 1 @ EACH END OF HORIZONTAL
11	SP206	BRIDGE DAM @ B.G. MULLION	3.123 X 0.843 X 0.745	INJECTION MOLDED PLASTIC	CORAL INDUSTRIES, INC.	LOCATE 1 @ HORIZONTAL AND B.G. MULLION
12	SP210	MULLION CAP	3.000 X 1.925 X 0.048	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	LOCATE @ TOP AND BOTTOM OF VERTICAL
13	2086	JACKSON 2086 PANIC	36.000 X 7.3125 X 3.000	ALUMINUM	JACKSON	
14	PW151	B.G. MULLION	2.500 X 5.000 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
15	PW202	OPEN BACK MULLION FILLER	0.681 X 4.484 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
16	PW203	HEAD/ SILL/ HORIZONTAL TRIM	2.500 X 4.980 X 0.078	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
17	PW204	PRESSURE BAR	2.443 X 0.433 X 0.125	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
18	PW205	FACE COVER	2.500 X 0.500 X 0.062	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
19	PW208	FEMALE HALF 90° CORNER	1.625 X 6.110 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
20	PW209	MALE HALF 90° CORNER	1.875 X 6.110 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
21	PW210	INTERIOR CORNER TRIM	2.500 X 1.288 X 0.078	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
22	PW214	SUB DOORFRAME	1.000 X 4.500 X 0.080	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
23	PW513	POCKET FILLER FOR PW550	0.937 X 1.193 X 0.078	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
24	PW550	VERTICAL MULLION	2.500 X 5.843 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
25	PW552	HEAD/SILL	2.390 X 5.637 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
26	PW555	INTERMEDIATE HORIZONTAL	2.390 X 5.730 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
27	PW556	GLAZING TEE – 90° CORNER	2.584 X 2.584 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
28	DS200	DOORFRAME STOP	0.882 X 1.149 X 0.050	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
29	TH4	THRESHOLD	0.500 X 4.000 X 0.125	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
30	TH403	THRESHOLD CLIP	1.390 X 1.516 X 1.909	STEEL	VARIES	

(CONTINUED ON SHEET 11)



TEST REPORT DRAWINGS
PW256 IMPACT-RESISTANT
CURTAIN WALL SYSTEM

BILL OF MATERIALS

DATE
7/5/2017

DRAWN
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PROJECT NO.

DRAWING NO.
PW256_03

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DESCRIPTION
DATE
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BILL OF MATERIALS						
ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	3NOTES
31	SR150	REINFORCEMENT CHANNEL	4.500 X 1.875 X 0.250	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (14) AND (24)
32	SR504	REINFORCEMENT CHANNEL	4.562 X 1.250 X 0.250	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (14) AND (24)
33		SR150 WITH REINFORCEMENT BAR	3.750 X 0.500	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (14) AND (24)
34		SR150 WITH REINFORCEMENT BAR	3.750 X 0.750	A36 STEEL	VARIES	STEEL REINFORCEMENT FOR (14) AND (24)
35	FL207	DOOR HEADER	1.750 X 4.500 X 0.085	6063-T6 ALUMINUM	CORAL INDUSTRIES, INC.	
36	AS13	SQUARE NUT	1.475 X1.475 X .180	STEEL	VARIES	
37	AS16	FASTENER	#14 X 1" HHSTS	STEEL	VARIES	TYP. SPLINE SCREW
38	AS19	FASTENER	#12 x 1" HWH SELF DRILL	STEEL	VARIES	
39	AS25	FASTENER	#12 x 3/4" HWH SELF DRILL	STEEL	VARIES	
40	AS37	FASTENER	#12 X 2" HWH SELF DRILL	STEEL	VARIES	
41	FASTENER	PERIMETER ANCHOR TO STEEL SUBSTRATE	1/2"-13 X 2" BOLT WITH WASHER AND NUT	STEEL	VARIES	
42	FASTENER	PERIMETER ANCHOR TO STEEL SUBSTRATE	1/2"-13 X 4-1/2" BOLT WITH WASHER AND NUT	STEEL	VARIES	
43	FASTENER	PERIMETER ANCHOR TO CONCRETE SUBSTRATE	1/2"X3-1/2" MIN. EMBED WEDGE ANCHOR / LDT	STEEL	VARIES	
44	FASTENER	PERIMETER ANCHOR TO STEEL SUBSTRATE	#12 X 1-1/2" PFH SELF DRILL	STEEL	VARIES	
45	FASTENER	STEEL REINFORCEMENT ATTACHMENT	1/4-20 X 2" BOLT WITH WASHER AND NUT	STEEL	VARIES	
46	FASTENER	THROUGH BOLT	1/4-20 X 3" BOLT WITH WASHER AND NUT	STEEL	VARIES	USED @ HORIZONTALS
47	NOT USED					
48	PW158	CORNER FACE COVER	3.752 X .500 X .062	6063-T6 ALUM	CORAL INDUSTRIES, INC.	
49	PW154	CORNER PRESSURE BAR	3.637 X 3.637 X .125	6063-T6 ALUM	CORAL INDUSTRIES, INC.	

GLAZING SCHEDULE					
GLASS MARK	GLASS DESCRIPTION	MANUFACTURER	MAXIMUM D.L.O. SIZE (INCHES)	SQUARE FEET	MAXIMUM DESIGN PRESSURE (PSF)
A	9/16" OVERALL THICKNESS LAMINATED GLASS CONSISTING OF TWO 1/4" H.S. GLASS AND A 0.075 VENCEVA INTERLAYER	SOLUTIA	57-1/2" X 96"	38.3	± 80
B	9/16" OVERALL THICKNESS LAMINATED GLASS CONSISTING OF TWO 1/4" H.S. GLASS AND A 0.090 SOLUTIA SAFLEX PVB INTERLAYER	SOLUTIA	45-1/2" X 96"	30.3	± 65
U	9/16" OVERALL THICKNESS LAMINATED GLASS CONSISTING OF TWO 1/4" H.S. GLASS AND A 0.120 UVEKOL TYPE "S" INTERLAYER	CORAL INDUSTRIES, INC.	45-1/2" X 96"	30.3	± 65



TEST REPORT DRAWINGS
PW256 IMPACT-RESISTANT
CURTAIN WALL SYSTEM

BILL OF MATERIALS AND GLAZING
SCHEDULE

DATE
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PROJECT NO.

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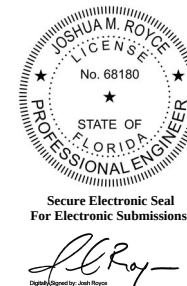
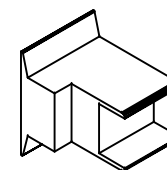
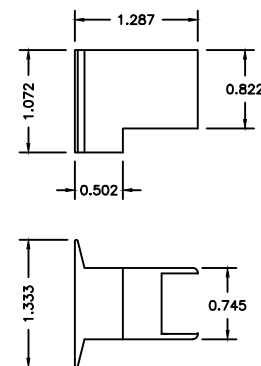
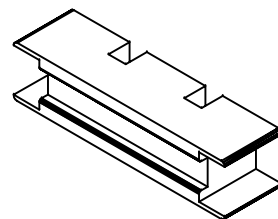
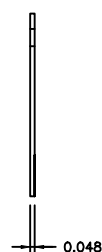
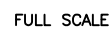
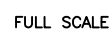
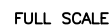
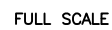
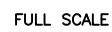
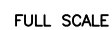
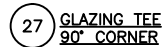
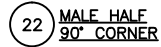
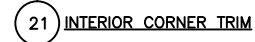
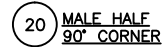
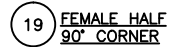
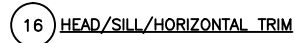
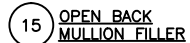
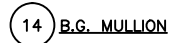
DESCRIPTION

DATE

BY

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TEST REPORT DRAWINGS
PW256 IMPACT-RESISTANT
CURTAIN WALL SYSTEM

DIE DRAWINGS

DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO. PW256_03		
SHEET 12 OF 12		