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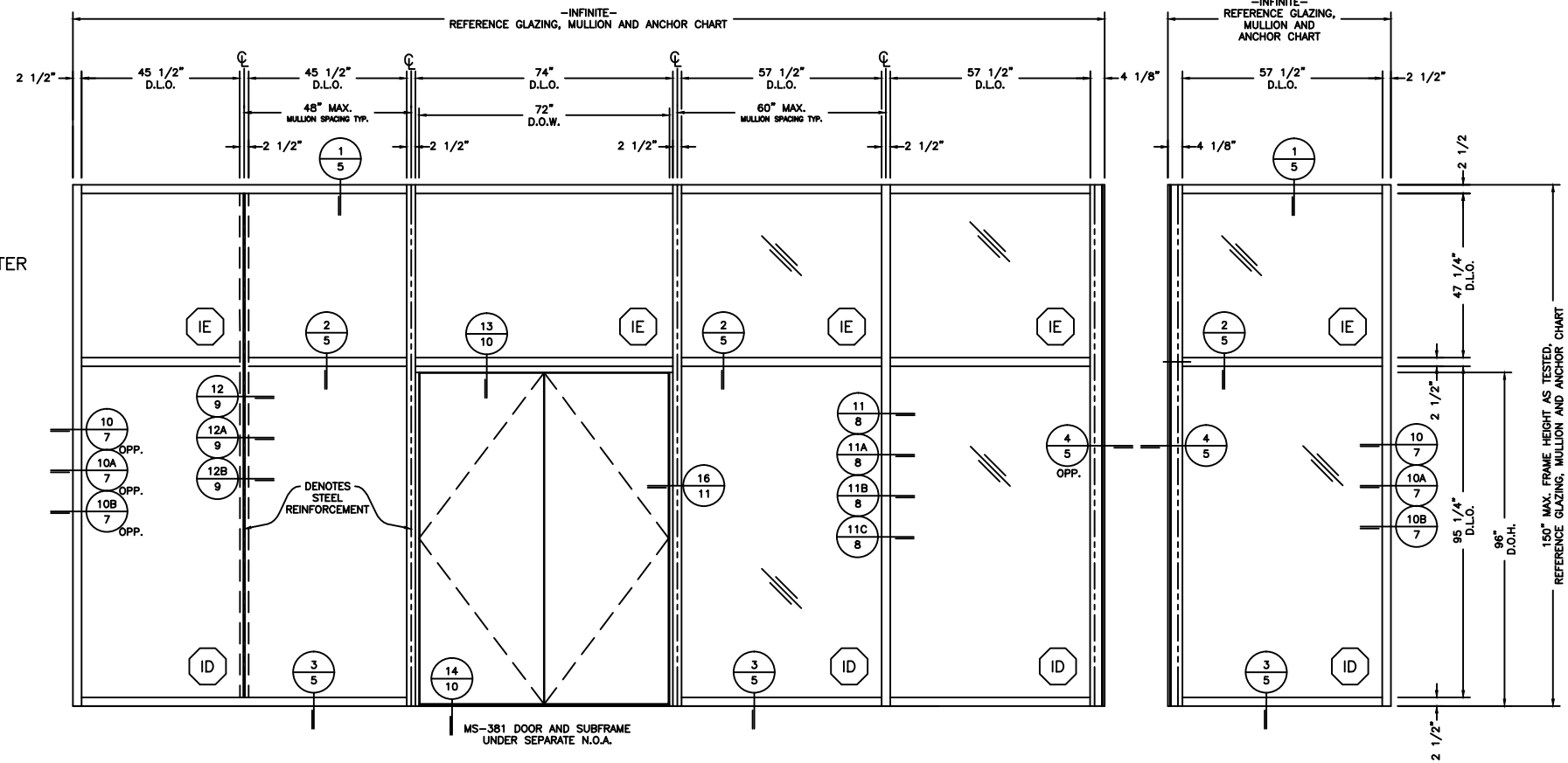
Coral

▪ Architectural Products

3010 RICE WINE ROAD, TUSCALOOSA, AL 35606
PHONE: 800-772-7737 FAX: 800-255-7320

DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 1 OF 15		





ELEVATION E1
CAPTURED - SINGLE SPAN-
STEEL REINFORCEMENT

45 1/2" MAX D.L.O. 45 1/2" MAX D.L.O. 74" MAX D.L.O. 57 1/2" MAX D.L.O. 57 1/2" MAX D.L.O.

REFERENCE GLAZING AND MULLION CHART

-

DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 2 OF 17		

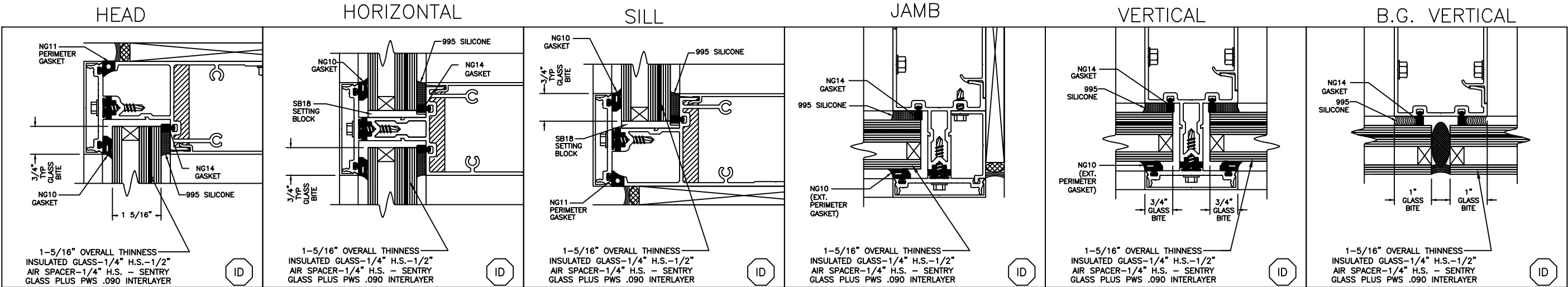
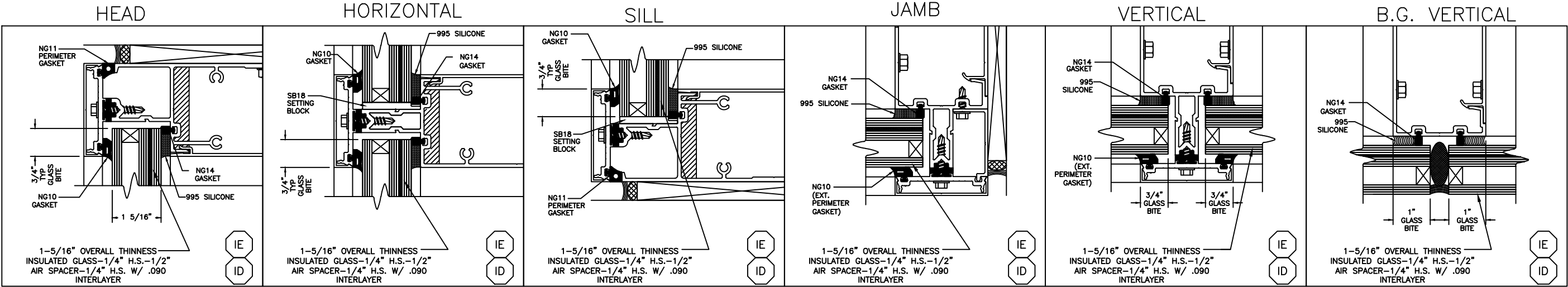
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- Architectural Products

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

GLAZING SCHEDULE

GLASS MARK	GLASS DESCRIPTION	MANUFACTURER	MAXIMUM D.L.O. SIZE (INCHES)	SQUARE FEET	MAXIMUM DESIGN PRESSURE (PSF)
IE	1-5/16" INSULATED -1/4" H.S. -1/2" AIR SPACER -1/4" H.S. - DUPONT BUTCITE .090 PVB INTERLAYER	DUPONT	45-1/2" X 96"	38.3	± 80
ID	1-5/16" INSULATED -1/4" H.S. -1/2" AIR SPACER -1/4" H.S. -SENTRY GLASS PLUS PWS .090 -1/4" H.S.	DUPONT	57-1/2" X 96"	38.3	± 80



DESCRIPTION

DATE

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PRODUCT APPROVAL DRAWINGS

PW257 IMPACT-RESISTANT CURTAIN WALL SYSTEM

PROTOCOLS: TAS 201-202-203

GLAZING SCHEDULE

DATE

7/5/2017

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PROJECT NO.

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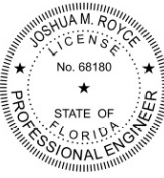
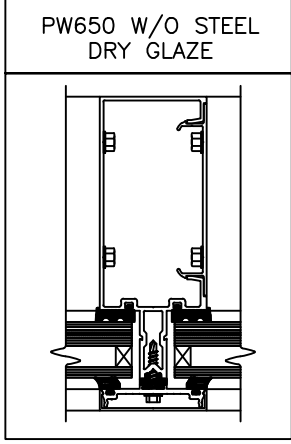
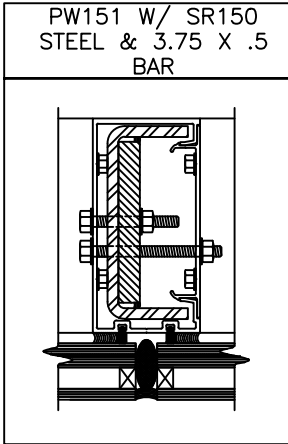
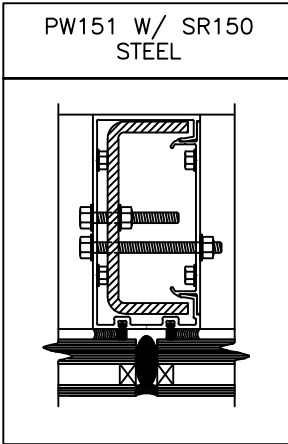
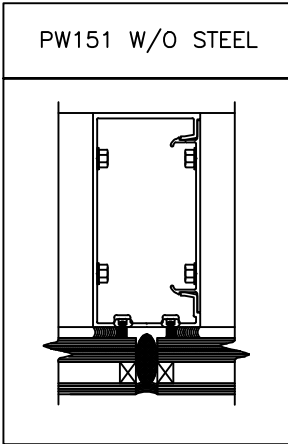
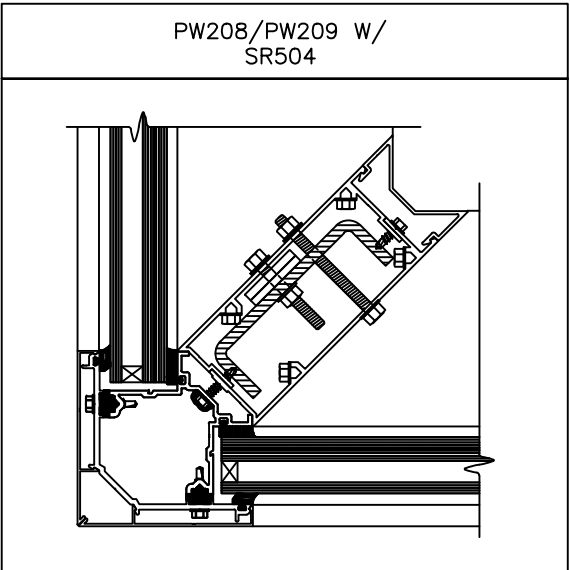
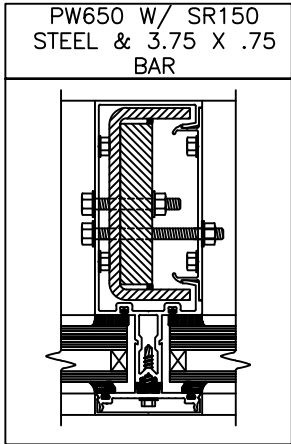
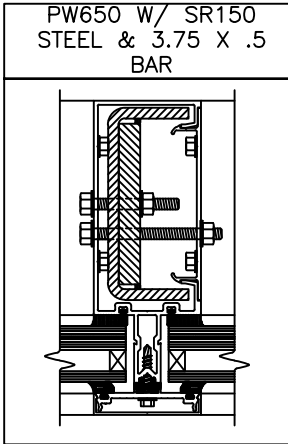
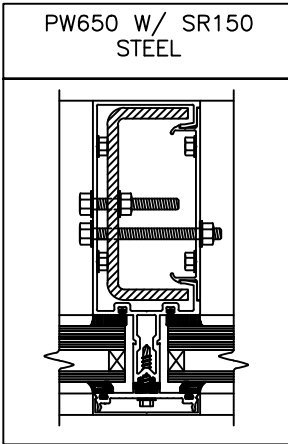
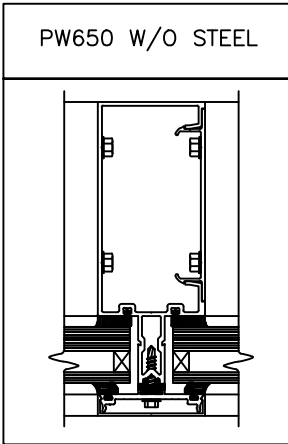
SHEET

3 OF 17



PW257 INSULATED IMPACT RESISTANT CURTAIN WALL – CAPTURED										
DESIGN PRESSURE P.S.F.	INTERMEDIATE VERTICAL MULLION WITHOUT STEEL	INTERMEDIATE VERTICAL MULLION WITH STEEL SR150 WITH 3.75" X 1/2" BAR WELDED	INTERMEDIATE VERTICAL MULLION WITH STEEL SR150 WITH 3.75" X 3/4" BAR WELDED	WALL JAMB MULLION MUST BE ANCHORED AT HORIZONTALS	MAXIMUM MULLION	MAXIMUM MULLION ANCHOR POINT	MAXIMUM MULLION SPACING CENTER TO CENTER (")–SEE NOTES BELOW	MAXIMUM GLASS SIZE DAYLITE OPENING	SQUARE FEET	QUALIFIED GLASS TYPES
+65/–65	PW650/202			PW650/202	108"		48"	45–1/2 X 84"	26.5	IE–IB–ID
+80/–80		PW650/202		PW650/202	150"	150"	60"	57–1/2" X 96"	38.3	ID
+80/–80			PW650/202	PW650/202	150"	150"	76 1/2" (1)	72" X 47–1/4"	23.6	IE–IB–ID
+80/–80	(3)	CORNER PW208/209/656 AND SR504			150"	150"	60"	57–1/2" X 96"	38.3	ID
PW257 INSULATED IMPACT RESISTANT CURTAIN WALL – BUTT GLAZED										
+80/–80		PW151/202		PW650/202		150"	48"	45–1/2" X 96"	30.5	ID
+80/–80	(2)	CORNER PW208/209/656 AND SR504			150"	150"	48"	45–1/2" X 96"	30.5	ID
PW257 INSULATED IMPACT RESISTANT CURTAIN WALL – DRY GLAZED										
+80/–80		PW650/202		PW650/202		150"	60"			ID

NOTES	
(1)	BASED ON OPENING FOR DOOR AND FRAME. HORIZONTALS MUST BE USED AT 48" INTERVALS
(2)	CAPTURED CORNER CAN BE USED WITH BUTT GLAZED SYSTEM, MULLION SPACING CANNOT EXCEED 48" ON CENTER
(3)	CORNER ASSEMBLY CONSISTS OF PW208/209/654/658/210 AND SR504



Secure Electronic Seal
For Electronic Submissions

J. Royce
Digital Signature by: Josh Royce

PRODUCT APPROVAL DRAWINGS
PW257 IMPACT-RESISTANT
CURTAIN WALL SYSTEM
PROTOCOLS: TAS 201-202-203
MULLION CHART

DATE	7/5/2017
DRAWN	MRG
CHECKED	---
APPROVED	---
PROJECT NO.	
DRAWING NO.	PW257_03
SHEET	4 OF 17

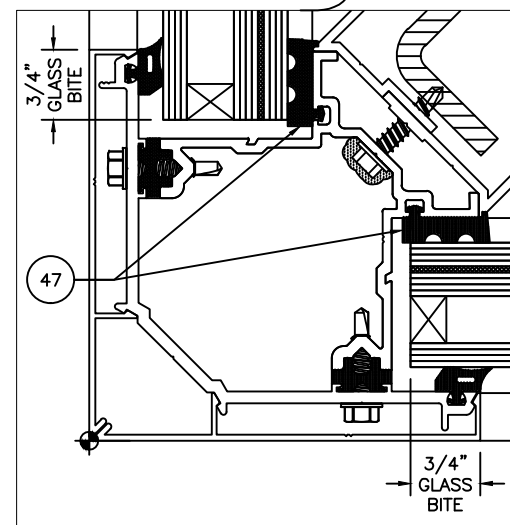
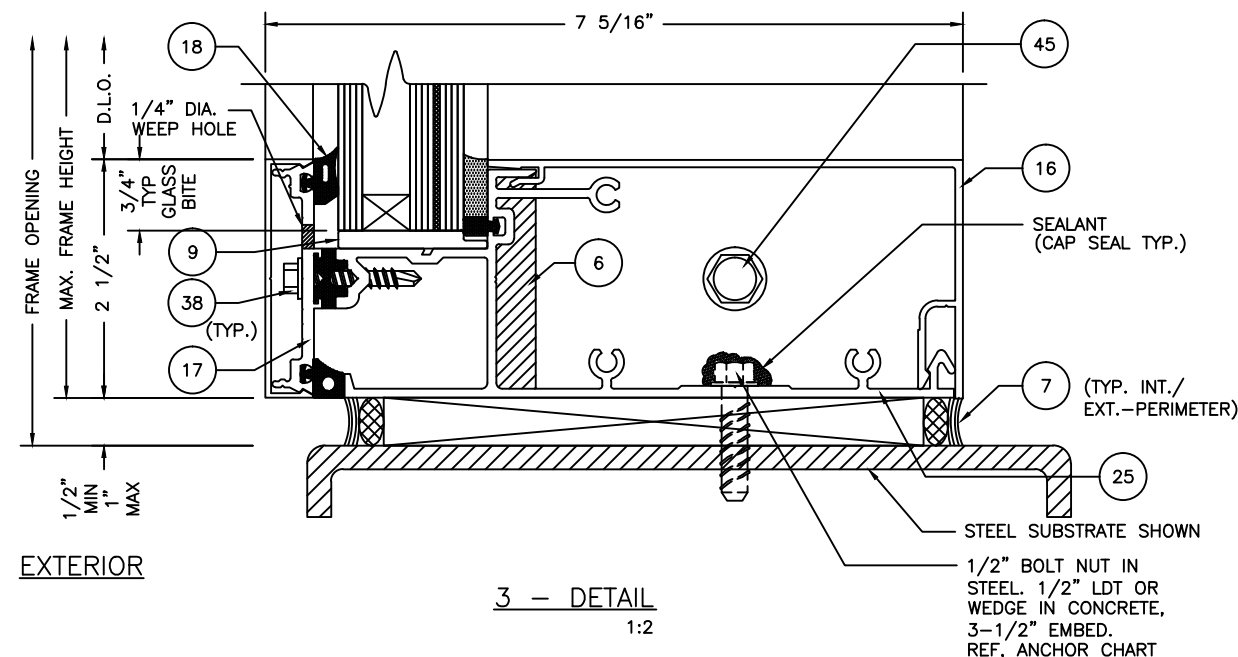
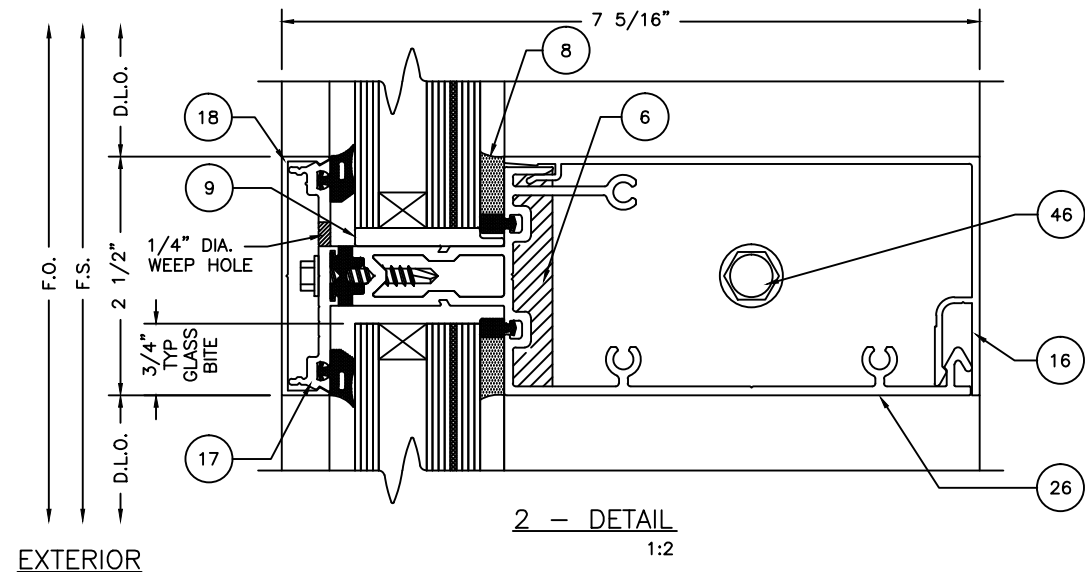
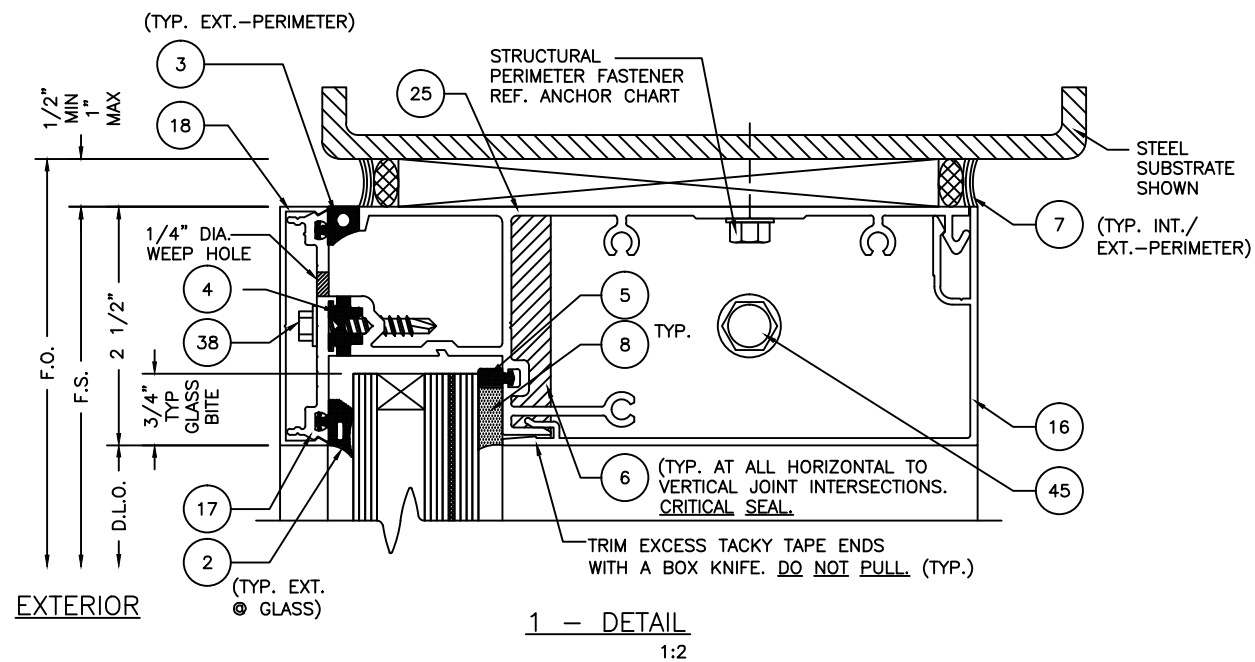
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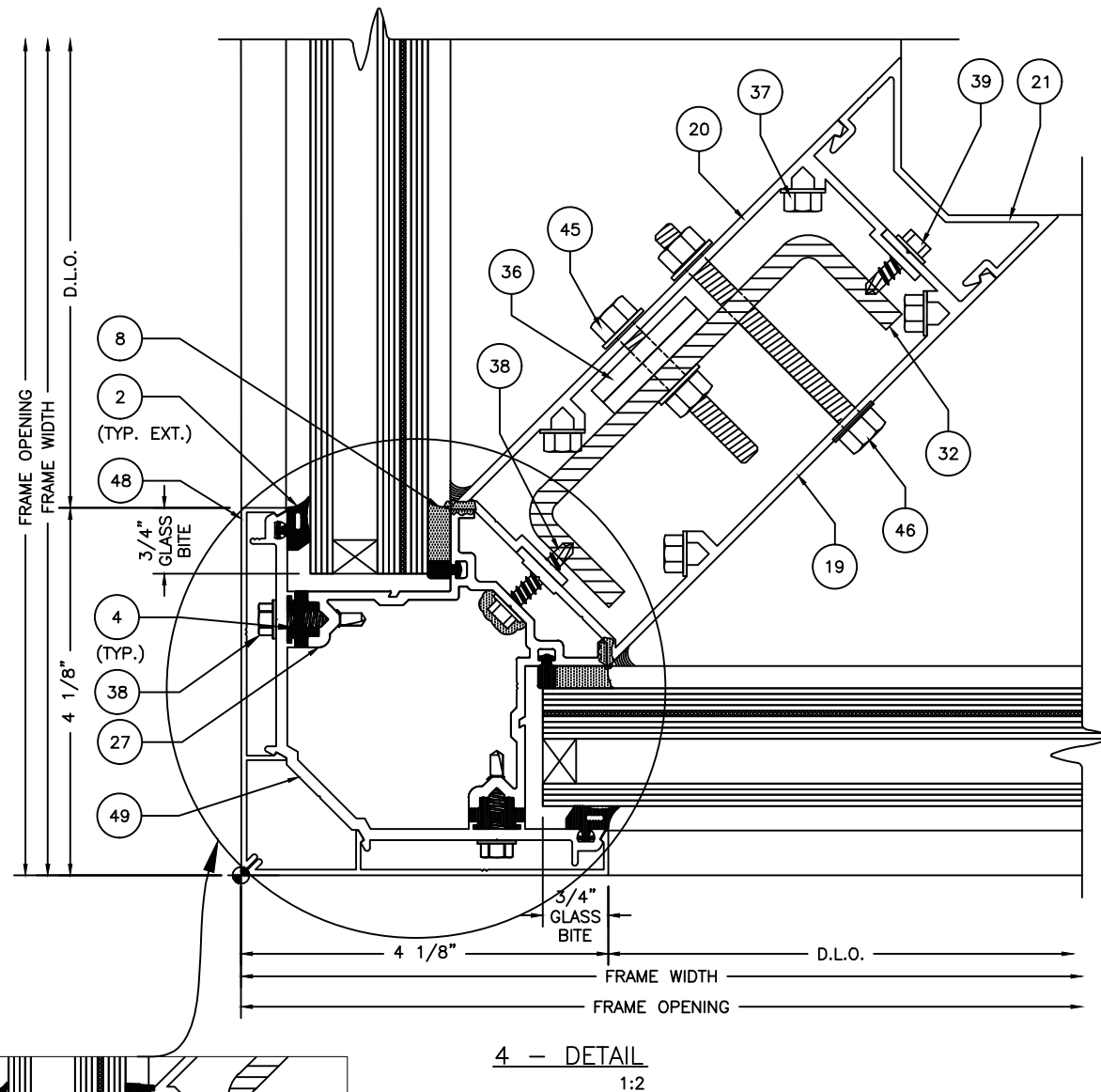
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DRY GLAZE GASKET
(0.90 SENTRY GLASS PLUS
ONLY TYPE ID)



PRODUCT APPROVAL DRAWINGS
PW257 IMPACT-RESISTANT
CURTAIN WALL SYSTEM
PROTOCOLS: TAS 201-202-203

FRAMING DETAILS

DATE	7/5/2017
DRAWN	MRG
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APPROVED	---
PROJECT NO.	
DRAWING NO.	PW257_03
SHEET	5 OF 17

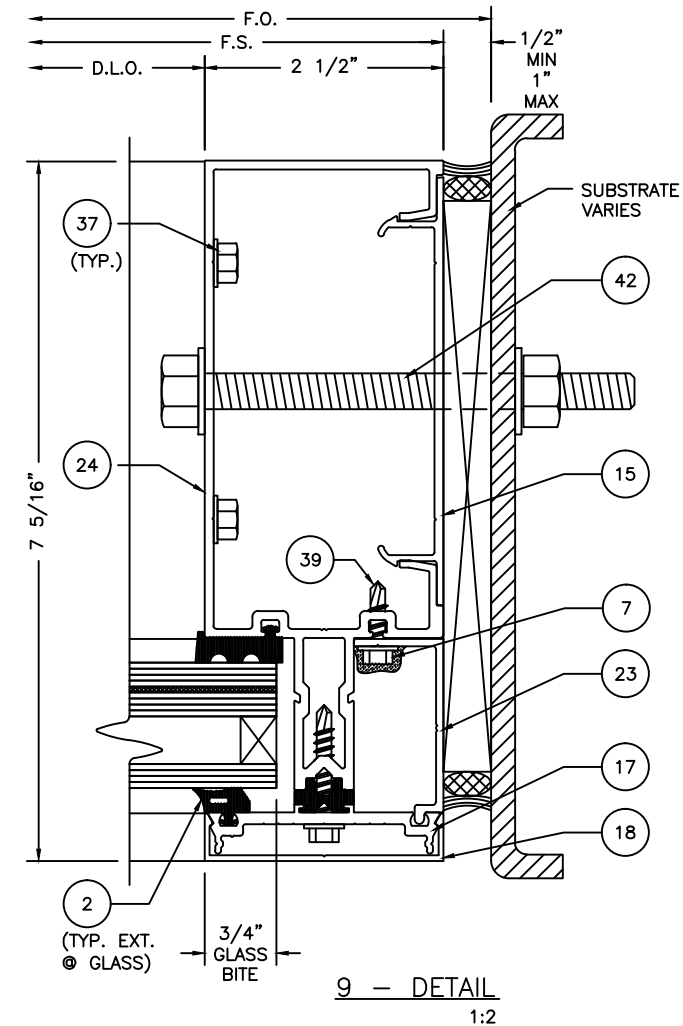
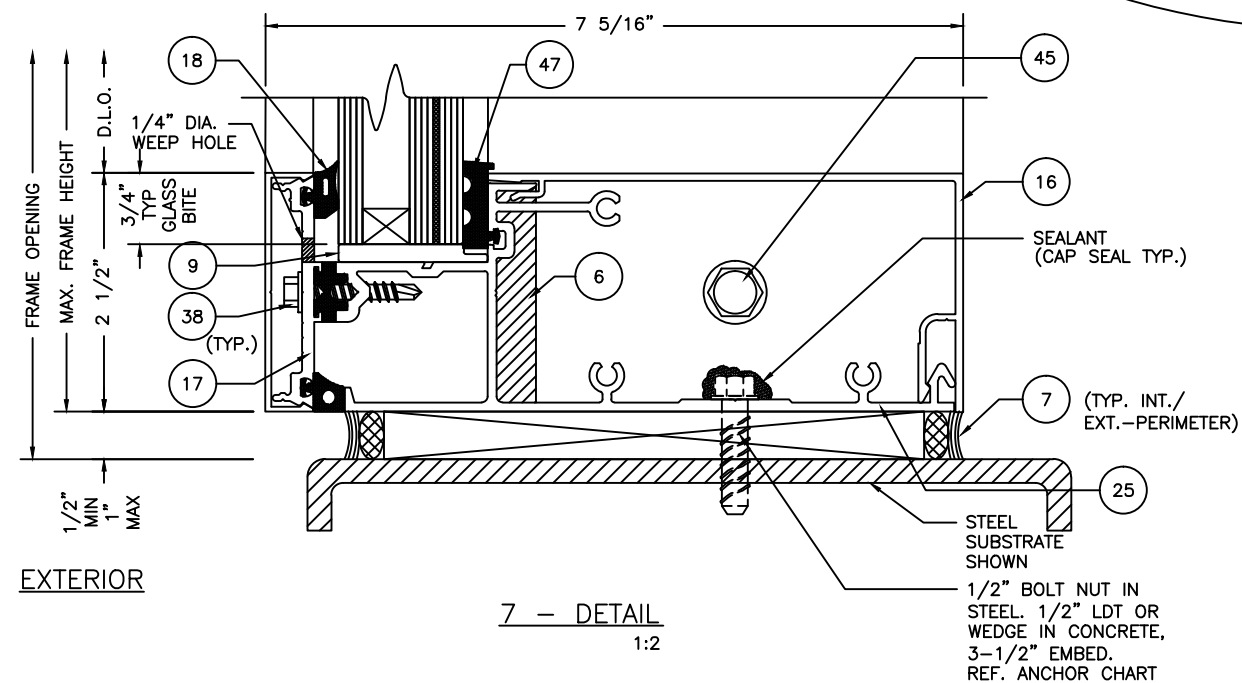
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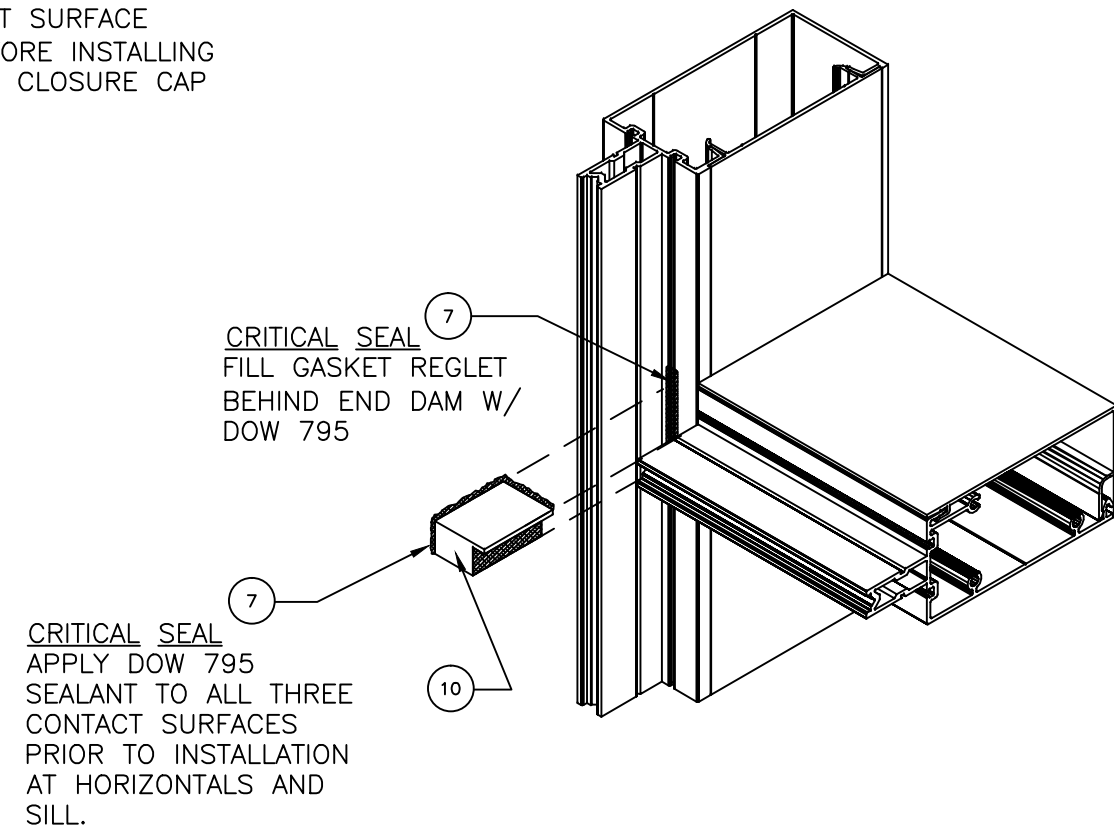
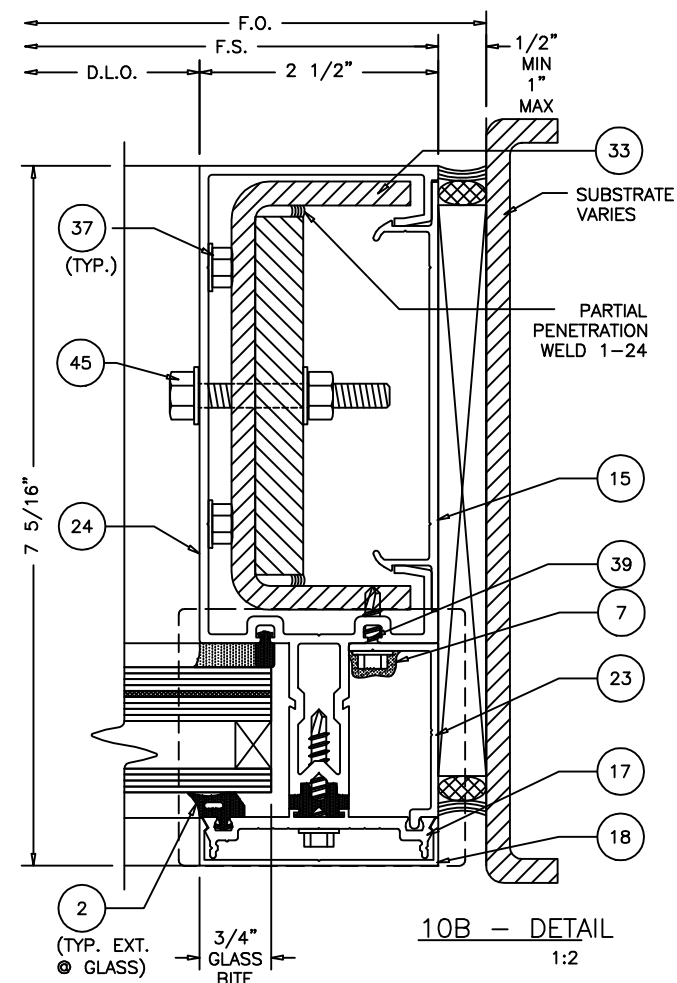
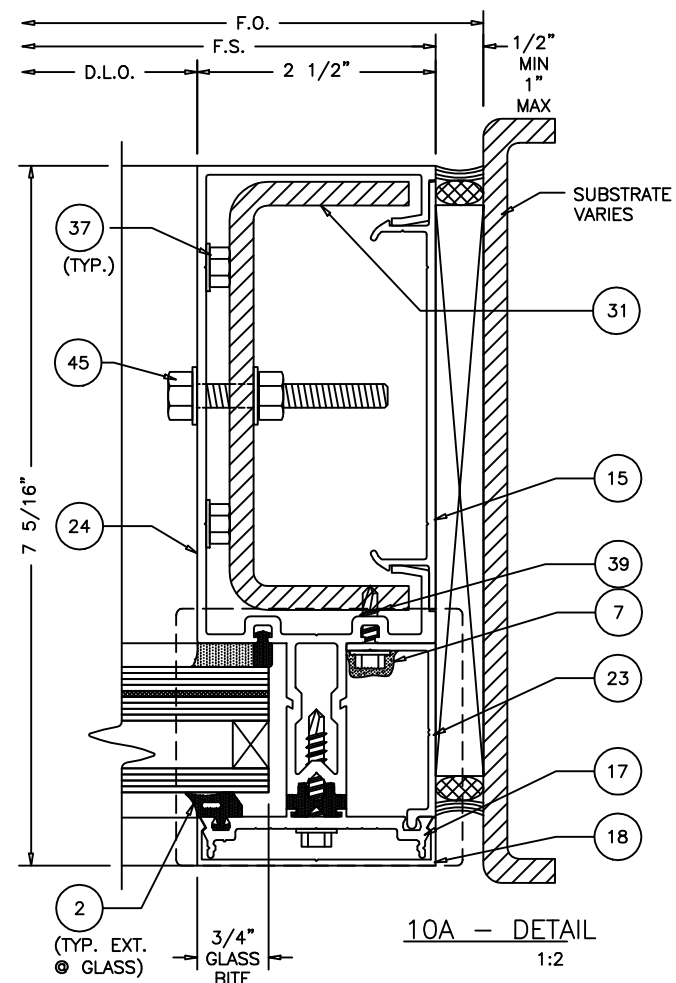
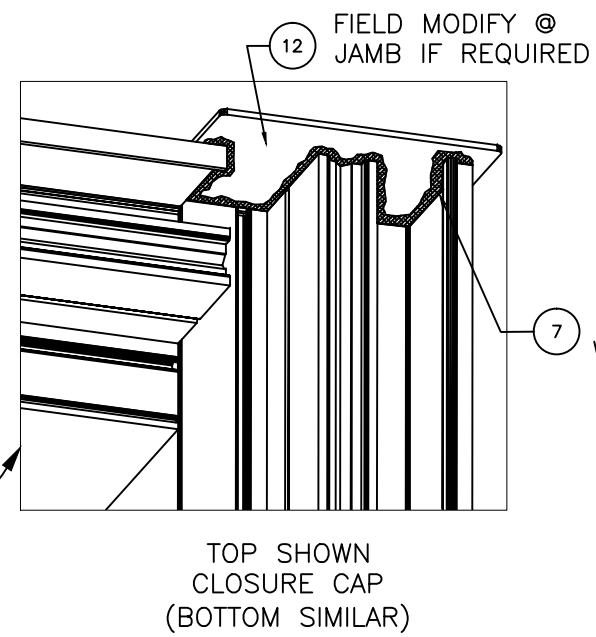
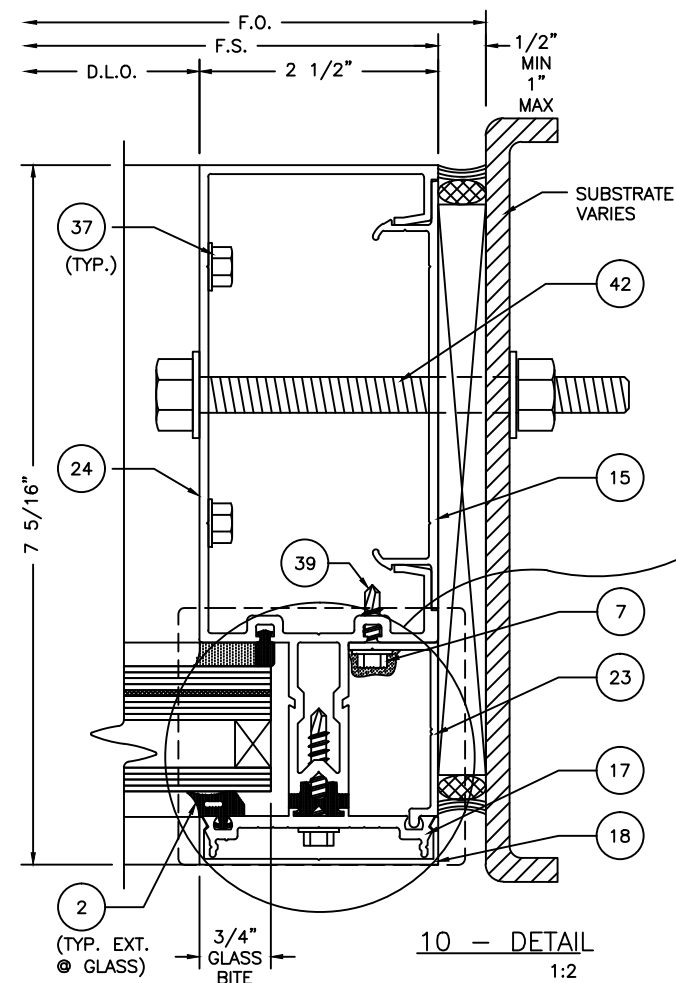
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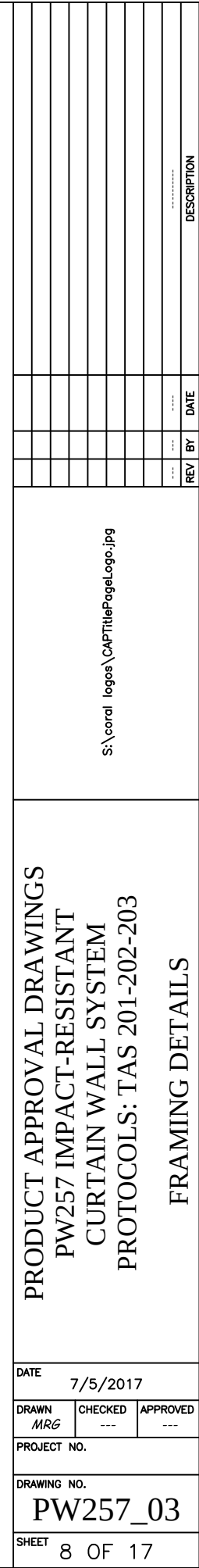
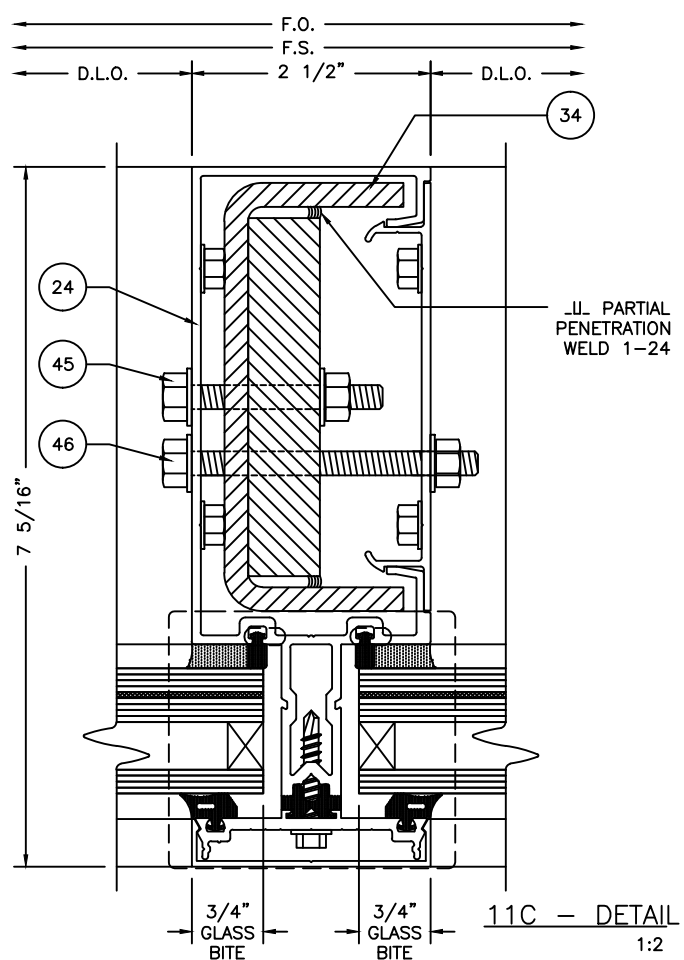
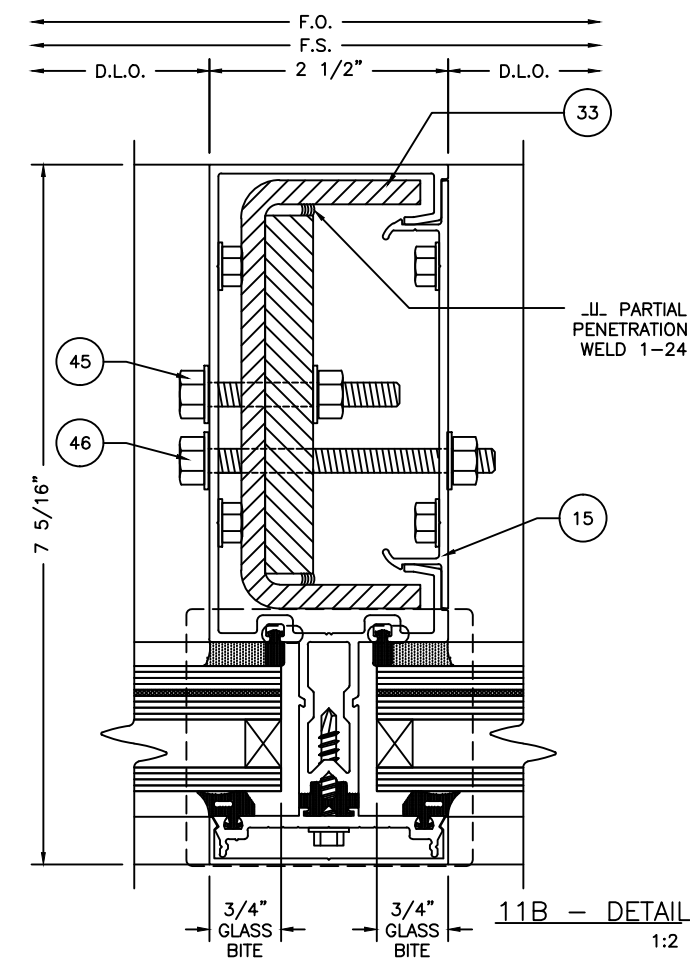


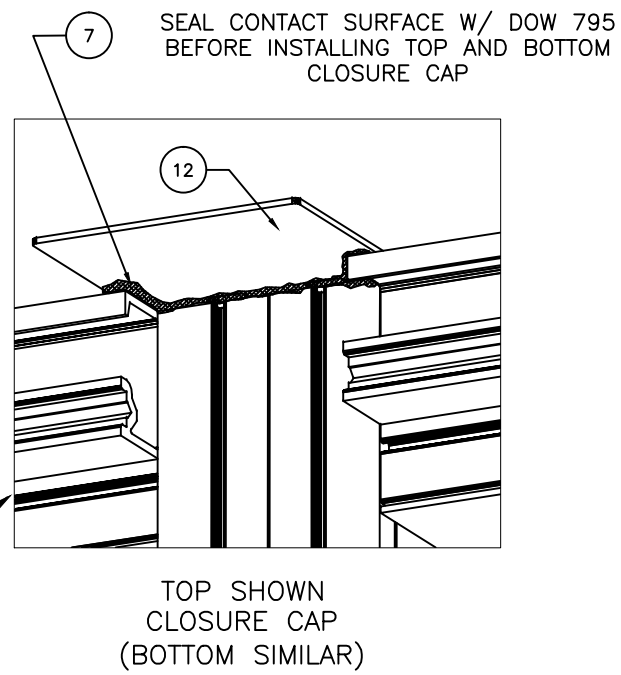
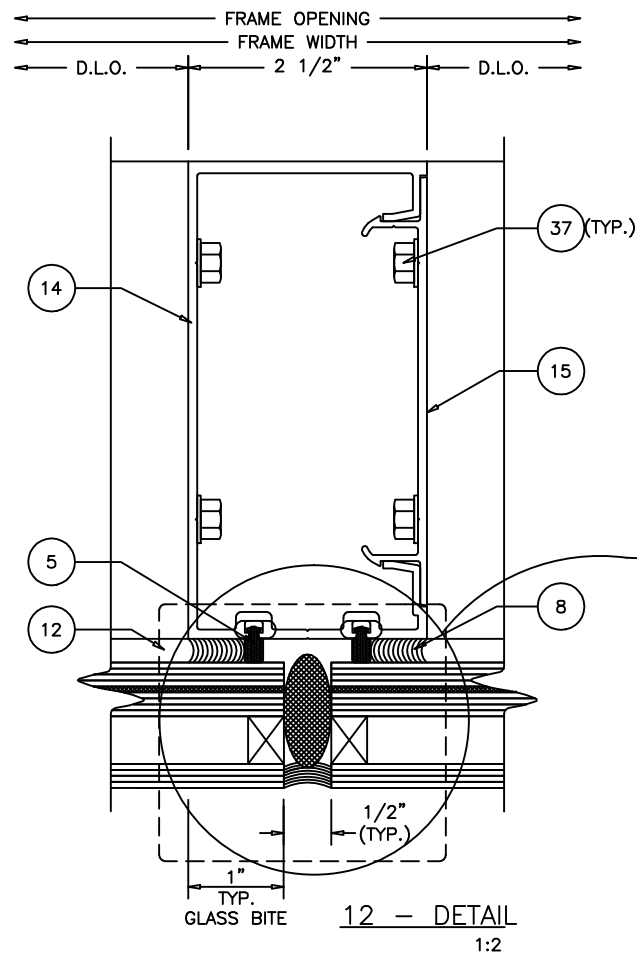
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PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 6 OF 17		



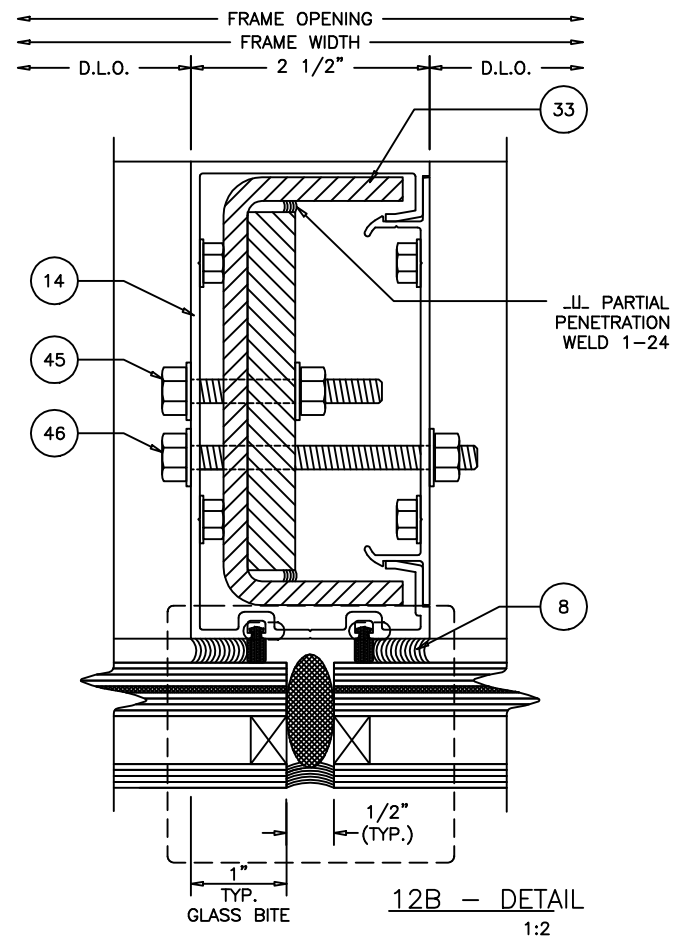
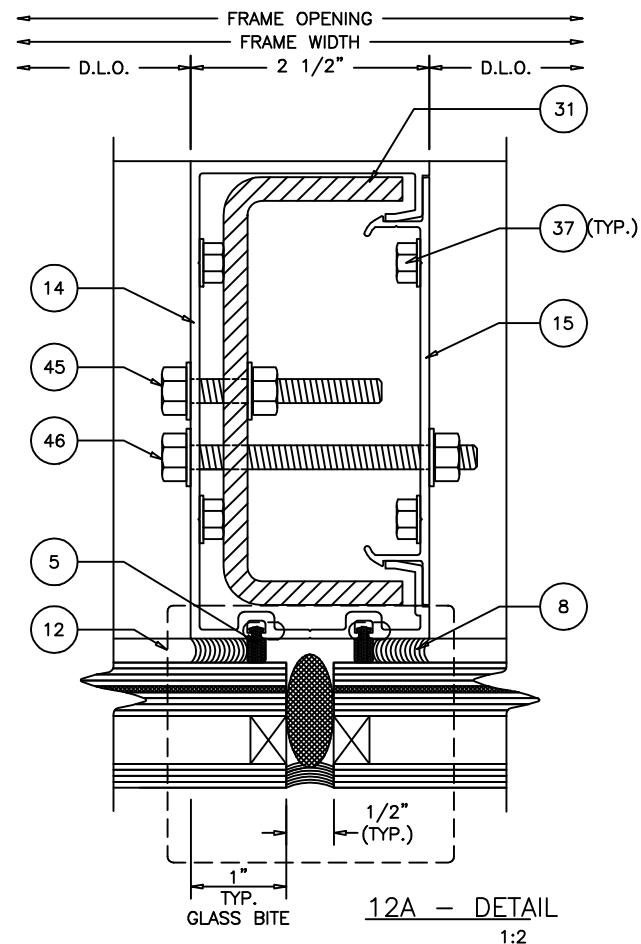
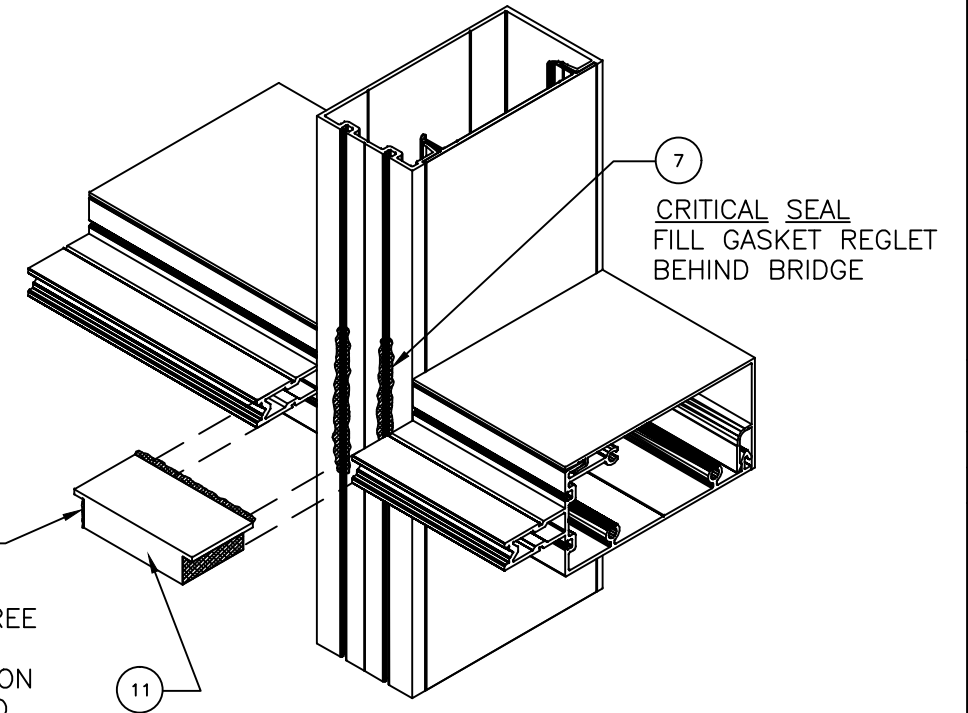
PRODUCT APPROVAL DRAWINGS
PW257 IMPACT-RESISTANT
CURTAIN WALL SYSTEM
PROTOCOLS: TAS 201-202-203
FRAMING DETAILS

DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 7 OF 17		





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

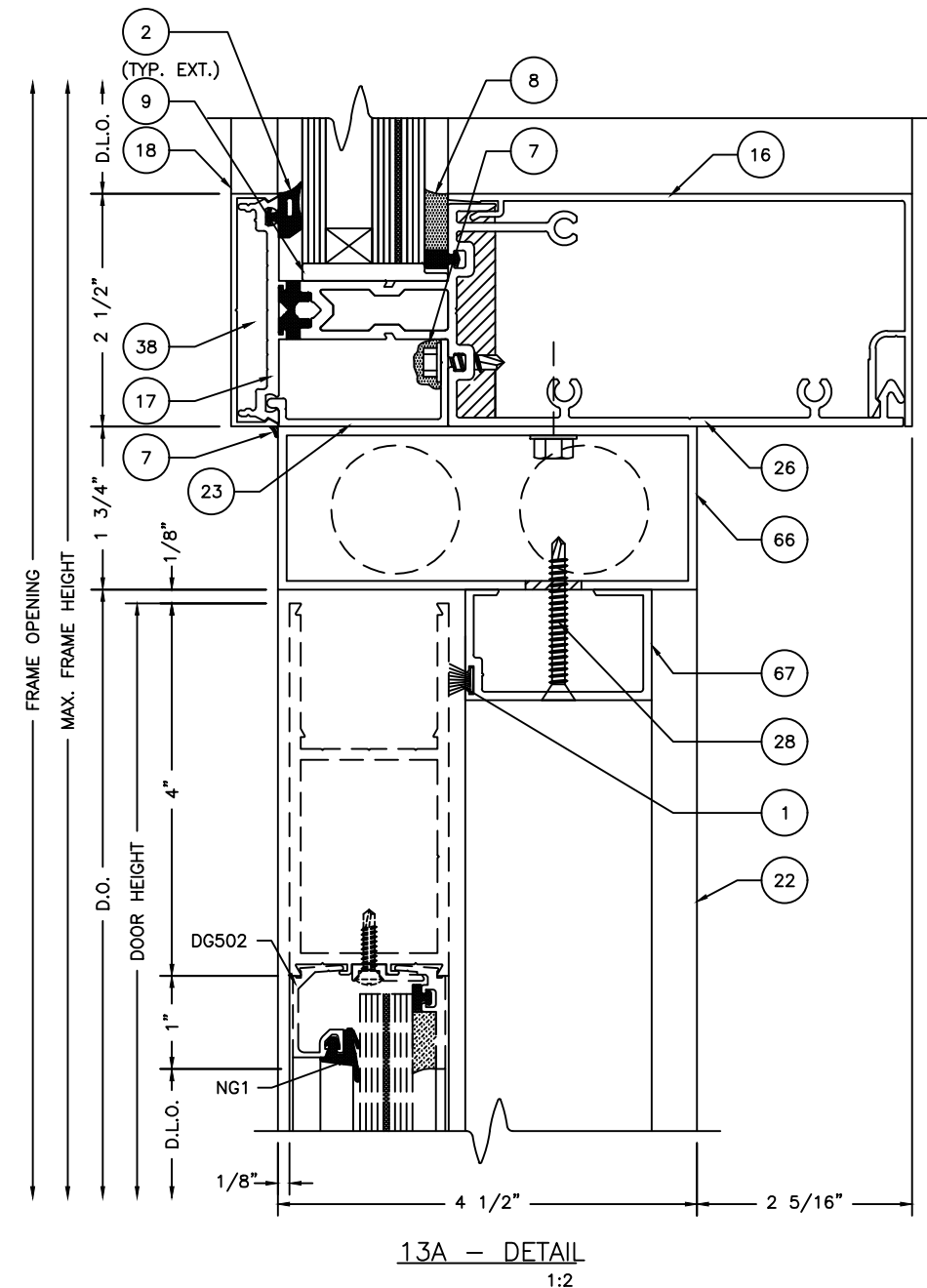
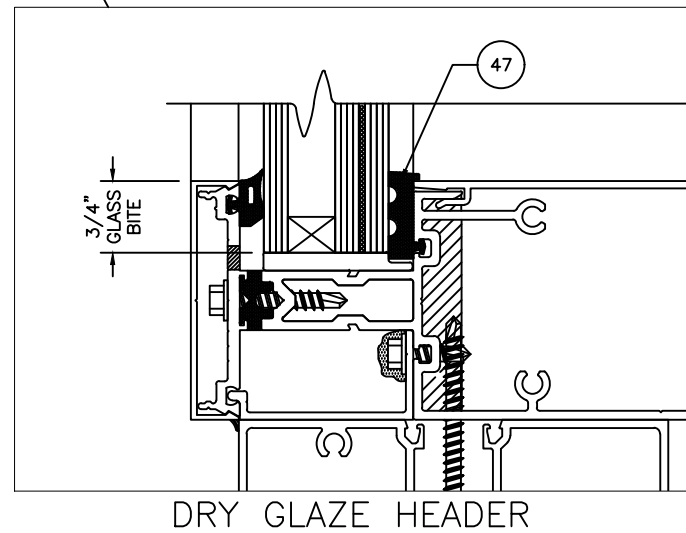


PRODUCT APPROVAL DRAWINGS
 PW257 IMPACT-RESISTANT
 CURTAIN WALL SYSTEM
 PROTOCOLS: TAS 201-202-203
 FRAMING DETAILS

DATE	7/5/2017
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PROJECT NO.	
DRAWING NO.	PW257_03
SHEET	9 OF 17

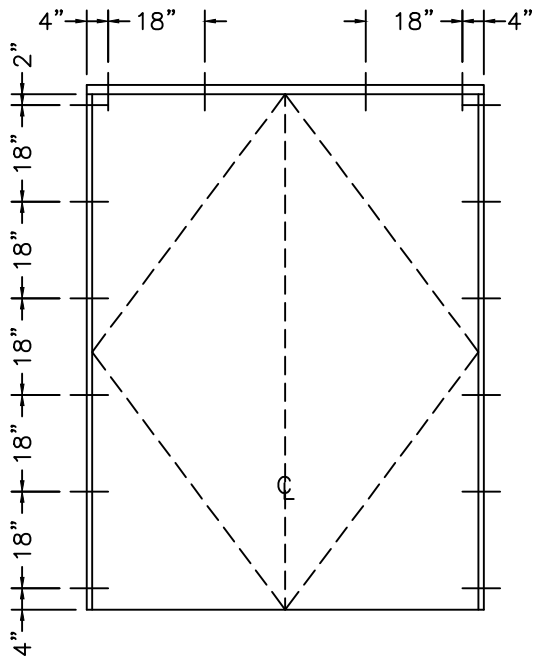
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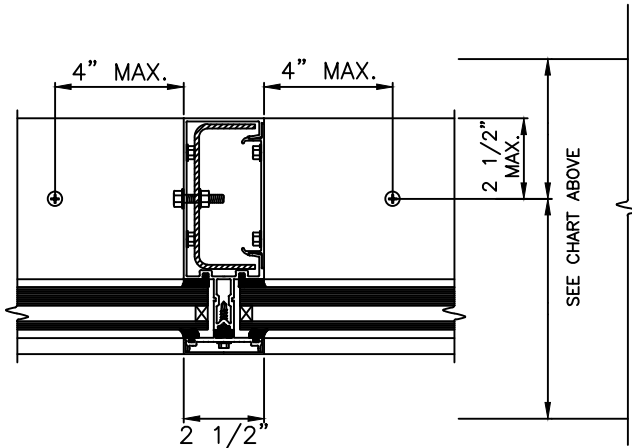
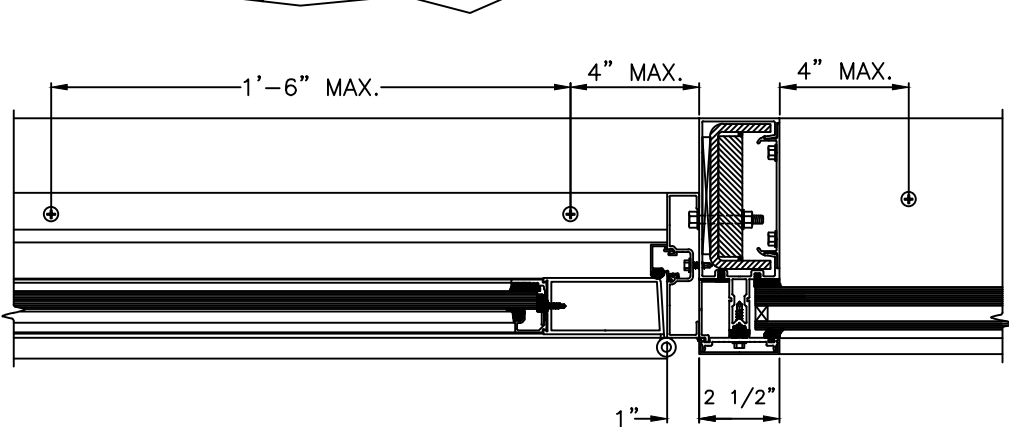
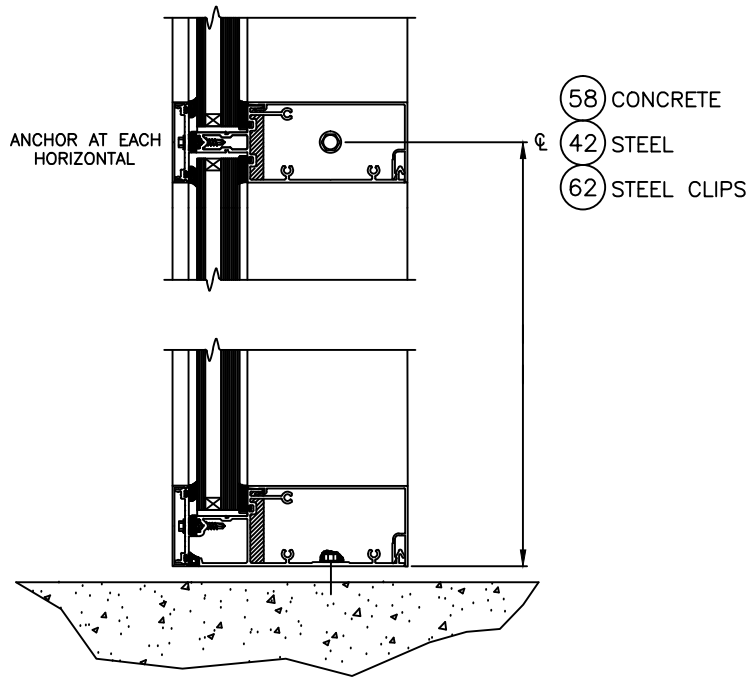


**PRODUCT APPROVAL DRAWINGS
PW257 IMPACT-RESISTANT
CURTAIN WALL SYSTEM
PROTOCOLS: TAS 201-202-203
DOOR AND FRAMING DETAILS**

DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 10 OF 17		



LOCATIONS FOR
DOOR SUB-FRAME ATTACHMENT
TO CURTAIN WALL ALUMINUM



SHALL NOT BE USED AT THIS CONDITION

ANCHOR CHART

CONCRETE ANCHOR BOLT

BOLT SYMBOL	BOLT TYPE	HEAD/SILL	JAMB	MIN. EMBEDMENT	MIN. EDGE DISTANCE
(56)	1/2"x4-1/2" WEDGE ANCHOR	X		3-1/2"	2-1/2"
(57)	1/2"x4" WEDGE BOLT	X	X	3-1/2"	1-3/4"
(58)	3/8"x5" WEDGE BOLT AT HORIZONTAL ONLY	X	X	3-1/2"	1-3/4"

STEEL ANCHOR BOLT

(59)	1/2"-13X2" HHB	X	X	THROUGH BOLT	2-3/8"

STEEL ATTACHMENT BOLT

(63)	1/4-20 X 2" BOLT WITH NUT AND WASHER	MULLION TO STEEL REINFORCEMENT FASTENER		2-3/8"
(46)	1/4-20 X 3-1/2" BOLT WITH NUT AND WASHER	MULLION TO STEEL REINFORCEMENT FASTENER		2-1/8"
(64)	1/4-20 X 1-1/2" BOLT WITH NUT AND WASHER	MULLION TO STEEL REINFORCEMENT FASTENER		4"

SUB-FRAME ATTACHMENT SCREW

(65)	1/4" TAPCON	ATTACH AT THRESHOLD TO CONCRETE SUB-STRAIGHT	1-3/4"	3/4"
(38)	#12-24X1/2" SCREW	ATTACH AT HEAD AND JAMBS (TYPICAL AT SUB-FRAME)	3/16"	2-1/2"

DESCRIPTION

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PRODUCT APPROVAL DRAWINGS

PW257 IMPACT-RESISTANT

CURTAIN WALL SYSTEM

PROTOCOLS: TAS 201-202-203

ANCHOR CHART

DATE

7/5/2017

DRAWN

MRG

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APPROVED

PROJECT NO.

DRAWING NO.

PW257_03

SHEET

12 OF 17



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	SB18	SETTING BLOCK @ SILL & HORIZONTAL	1.562 X 0.188 X 4.000	EPDM	VARIES	2 PER LITE
10	SP204	END DAM @ CAPTURED MULLION	1.287 X 1.787 X 0.745	EVA FOAM	CORAL INDUSTRIES, INC.	LOCATE 1 @ EACH END OF HORIZONTAL
11	SP208	BRIDGE DAM @ B.G. MULLION	3.123 X 1.562 X 0.745	EVA FOAM	CORAL INDUSTRIES, INC.	LOCATE 1 @ HORIZONTAL AND B.G. MULLION
12	SP211	MULLION CAP	3.000 X 2.691 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	PW613	POCKET FILLER FOR PW650	0.937 X 1.943 X 0.078	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
24	PW650	VERTICAL MULLION	2.500 X 6.593 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
25	PW652	HEAD/SILL	2.390 X 6.495 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
26	PW655	INTERMEDIATE HORIZONTAL	2.390 X 6.495 X 0.094	6063–T6 ALUMINUM	CORAL INDUSTRIES, INC.	
27	PW656	GLAZING TEE – 90° CORNER	3.334 X 3.334 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 14)



PRODUCT APPROVAL DRAWINGS
PW257 IMPACT-RESISTANT
CURTAIN WALL SYSTEM
PROTOCOLS: TAS 201-202-203
BILL OF MATERIALS

DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO.		
PW257_03		
SHEET 13 OF 17		

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DESCRIPTION

DATE _____

BY _____

BILL OF MATERIALS						
ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
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	AS32	FASTENER	#12 x 1–1/4” HWH #3 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 POWERS	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	NG16	DRY GLAZE INTERIOR SPACER GASKET	0.260 SPACE	EPDM	VARIES	MEETS ASTM C–864
48	PW658	CORNER FACE COVER	4.064 X .500 X 0.078	6063–T6 ALUM	CORAL INDUSTRIES, INC.	
49	PW654	CORNER PRESSURE BAR	3.954 X 3.954 X .125	6063–T6 ALUM	CORAL INDUSTRIES, INC.	
50	SP214	CORNER MULLION CAP	4.000 X 3.826 X 0.048	6063–T6 ALUM	CORAL INDUSTRIES, INC.	LOCATE @ TOP AND BOTTOM OF VERTICAL CORNER MULLION
51	PW211	CORNER SPLICE SLEEVE	5.042 X 1.064 X .125	6063–T6 ALUM	CORAL INDUSTRIES, INC.	
52	PW207	MULLION SPLICE SLEEVE	4.735 X 2.196 X .125	6063–T6 ALUM	CORAL INDUSTRIES, INC.	
53		NYLATRON PAD	VARIES	NYLATRON	VARIES	@ ANCHORS
54	NBCAP	STEEL ANGLE	6” X 4” X .25”	A36 STEEL	VARIES	
55	NBCAP	CORNER ANGLE	8.0625” X 4” X .25”	A36 STEEL	VARIES	

(CONTINUED ON SHEET 15)

DATE 7/5/2017		
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PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 14 OF 17		

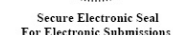
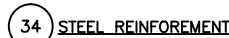
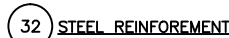
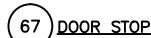
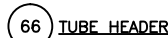
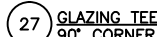
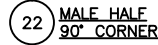
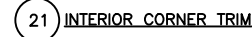
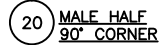
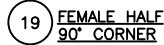
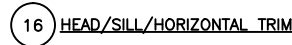
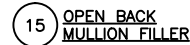
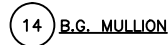
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ITEM NO.	P/N	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	3NOTES
56	FASTENER	1/2”X4–1/2” WEDGE ANCHOR	.540 X 4.500	STEEL	POWERS	
57	FASTENER	1/2”X4” WEDGE BOLT	.540 X 4.00	STEEL	VARIES	
58	FASTENER	3/8”X5” WEDGE BOLT AT HORIZONTAL ONLY	.375 X 5.00	STEEL	POWERS	
59	FASTENER	1/2”–13X2” HHB	.500 X 2.000	STEEL	VARIES	
60	FASTENER	1/2”–13X4” HHB	.500 X 4.500	STEEL	POWERS	
61	FASTENER	5/8–11 X 4–1/2” GRD 5 BOLT HEX NUT AND WASHER	.625 X 4.500	STEEL	POWERS	
62	FASTENER	5/8–11 X 1–1/2” BOLT	.625 X 1.500	STEEL	POWERS	
63	FASTENER	1/4–20 X 2” BOLT WITH NUT AND WASHER	..250 X 2.000	STEEL	POWERS	
64	FASTENER	1/4–20 X 1–1/2” BOLT WITH NUT AND WASHER	.250 X 1.500	STEEL	POWERS	
65	FASTENER	1/4” TAPCON	.250 X 1.500	STEEL	VARIES	
66	FL212	TUBE DOOR HEADER FOR COC	1.75 X 4.500 X .094	6063–T6 ALUM	CORAL INDUSTRIES, INC.	
67	DS202	DOOR STOP FOR COC	1.188 X 2.000 X .180	6063–T6 ALUM	CORAL INDUSTRIES, INC.	

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PROJECT NO.								
DRAWING NO.								
PW257_03								
SHEET								
15 OF 17								



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DATE 7/5/2017		
DRAWN MRG	CHECKED ---	APPROVED ---
PROJECT NO.		
DRAWING NO. PW257_03		
SHEET 16 OF 17		

