

KAWNEER 2500 PG WALL RESISTANT CURTAINWALL SYSTEM (LEVEL D, WIND ZONE 3)

GENERAL NOTES:

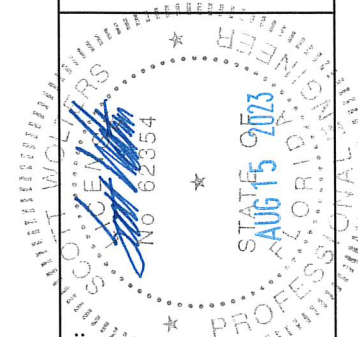
1. THIS PRODUCT MEETS ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, FOR USE OUTSIDE OF THE HVHZ.
2. THIS SYSTEM HAS BEEN TESTED PER ASTM E283, E330, E331, E1886, AND E1996 FOR (LEVEL D, WIND ZONE 3) LARGE AND SMALL MISSILE IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED IN WIND ZONE 3 OR LOWER.
3. DESIGN LOADS MUST BE CALCULATED BY A PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT. THE (ASD) DESIGN PRESSURE CANNOT EXCEED THE PRESSURES LISTED FOR THIS SYSTEM.
4. WOOD BUCKS (OPTIONAL) ARE BY OTHERS AND MUST BE ANCHORED PROPERLY TO TRANSFER IMPOSED LOADS TO THE STRUCTURE.
5. ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT IN BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. CODE REQUIREMENTS FOR SAFE GUARDS MUST BE OBSERVED.
7. THE GLASS CHARTS IN SECTION 5 ARE BASED ON TESTED PRESSURES AND ASTM E 1300-16.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH DISSIMILAR MATERIALS SHALL BE SEPARATED TO PREVENT GALVANIC REACTIONS PER FBC REQUIREMENTS.

SYSTEM NOTES:

GLASS.....	SEE CHARTS IN SECTION 05 FOR ALLOWABLE GLASS TYPES, SIZES AND DESIGN PRESSURES.
MULLIONS.....	SEE DIMENSIONS ON SHEET 2 FOR ALLOWABLE MULLION HEIGHT AND SPACING.
JAMBS.....	SEE DIMENSIONS ON SHEET 2 FOR ALLOWABLE JAMB HEIGHT AND SPACING.
HORIZONTALS.....	SEE DIMENSIONS ON SHEET 2 FOR ALLOWABLE HORIZONTAL MULLION LENGTH AND SPACING.
ANCHORS.....	SEE CHARTS IN SECTION 06 FOR ALLOWABLE HEAD/SILL ANCHORS.

DESIGN PRESSURE
+/- 50 Psf

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05	JAMB/MULLION DETAILS
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07	SECTION 6 – SILL ANCHOR DETAILS
08	HEAD ANCHOR DETAILS
09	SECTION 7 – BILL OF MATERIALS AND GLAZING MATERIALS
10	EXTRUSION PROFILES



SEAL:

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX:(561) 225-1982

PRODUCT:	2500 PG WALL
DWG:	2500-PG-WZ3
SECTION:	1
SHEET:	1/10

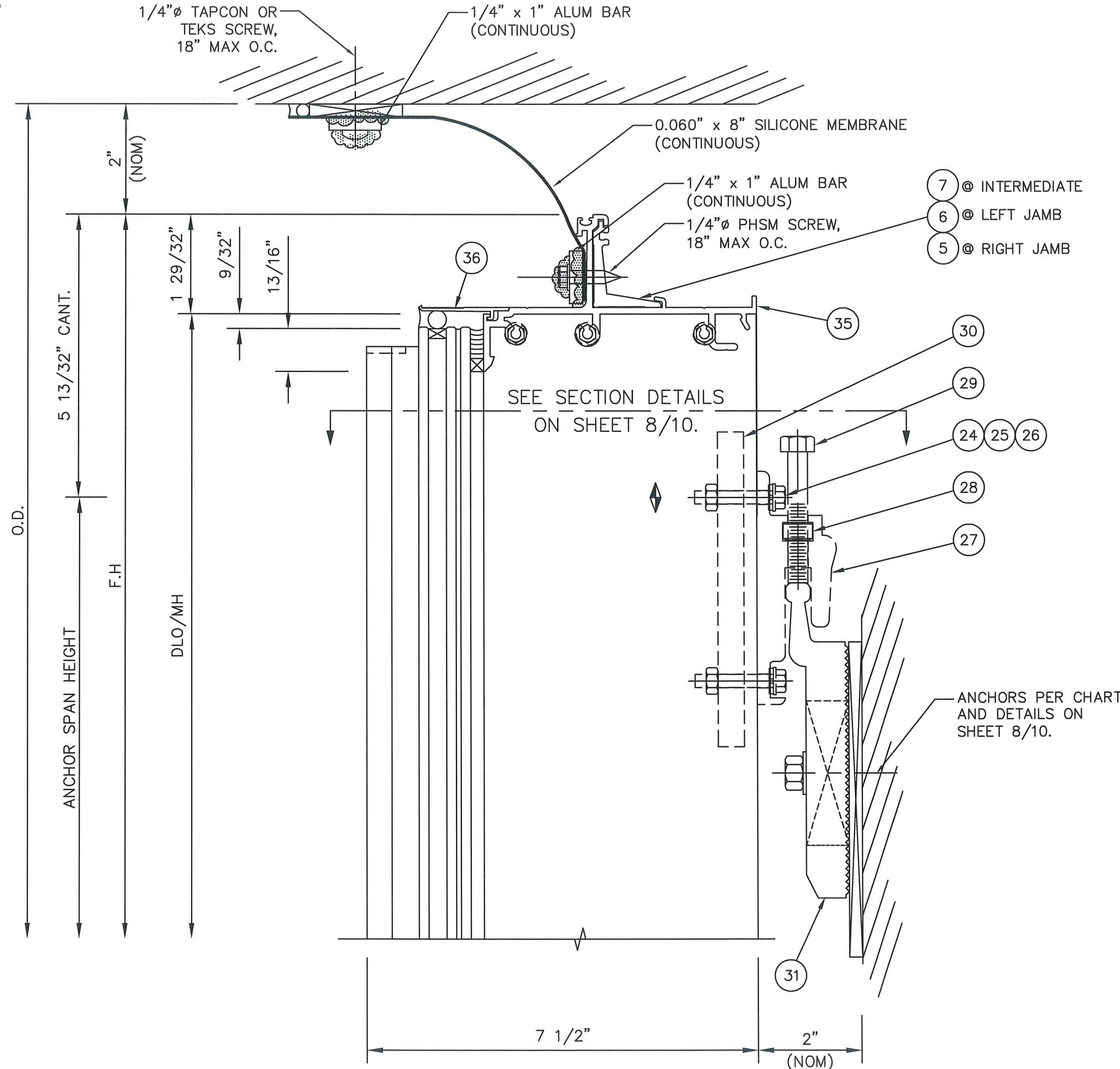
KAWNEER
AN ARCONIC COMPANY

555 GUTHRIDGE COURT
NORCROSS, GA 30092

PH: (770) 449-5555
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CODE UPDATE	—	8/15/23
1ST SUBMITTAL	—	12/14/20
PRINTS ISSUED FOR	REV.#	DATE

HEAD DETAIL



1
3

KAWNEER AN ARCONIC COMPANY		12/14/20	DATE
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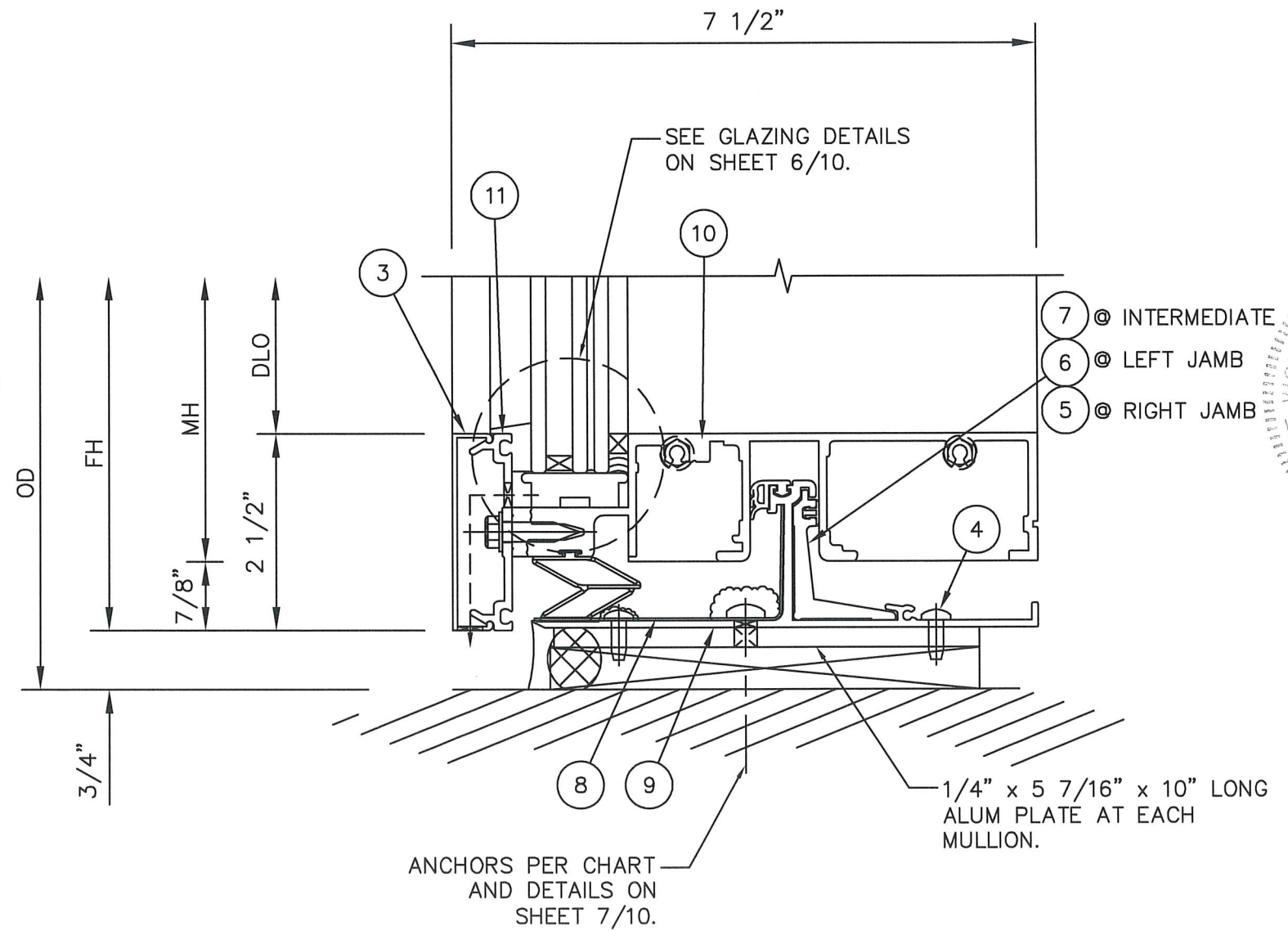
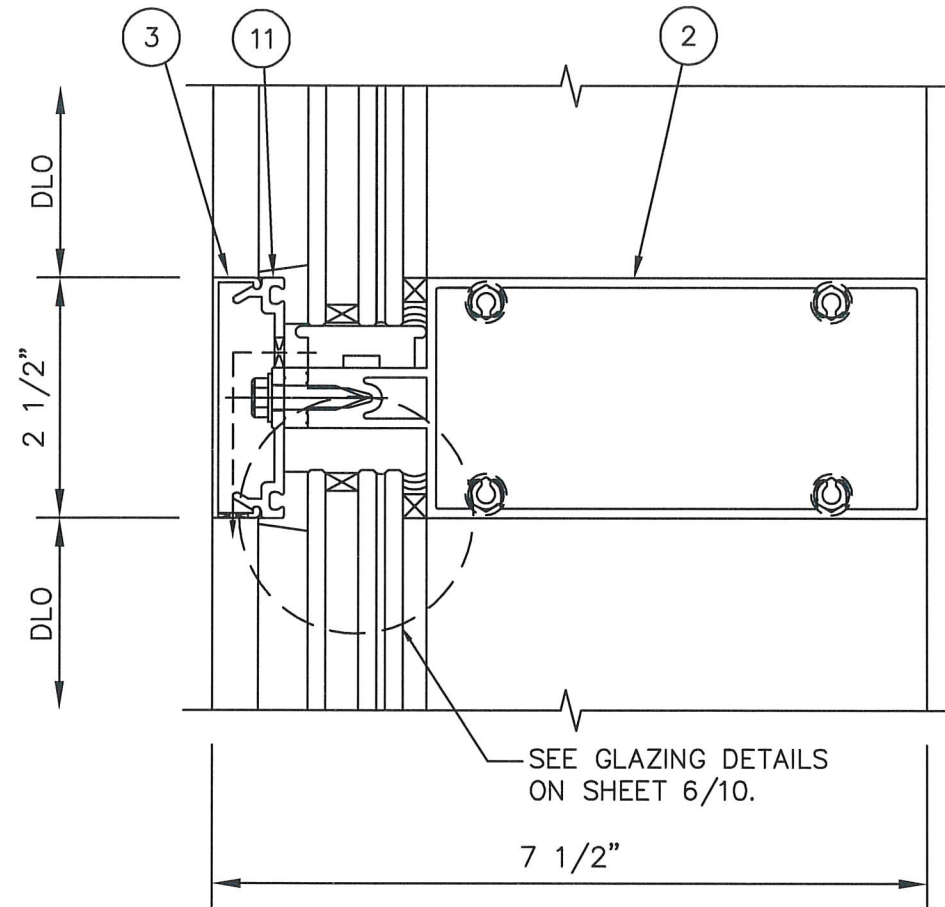
SEAL:

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(CO.# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

AUG 15 2023

PRODUCT:	2500 PG WALL
DWG:	2500-PG-WZ3
SECTION:	3
SHEET:	3/10

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FL PE# 62354

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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33411
PH/FAX: (561) 225-1982

SHEET: 4/10



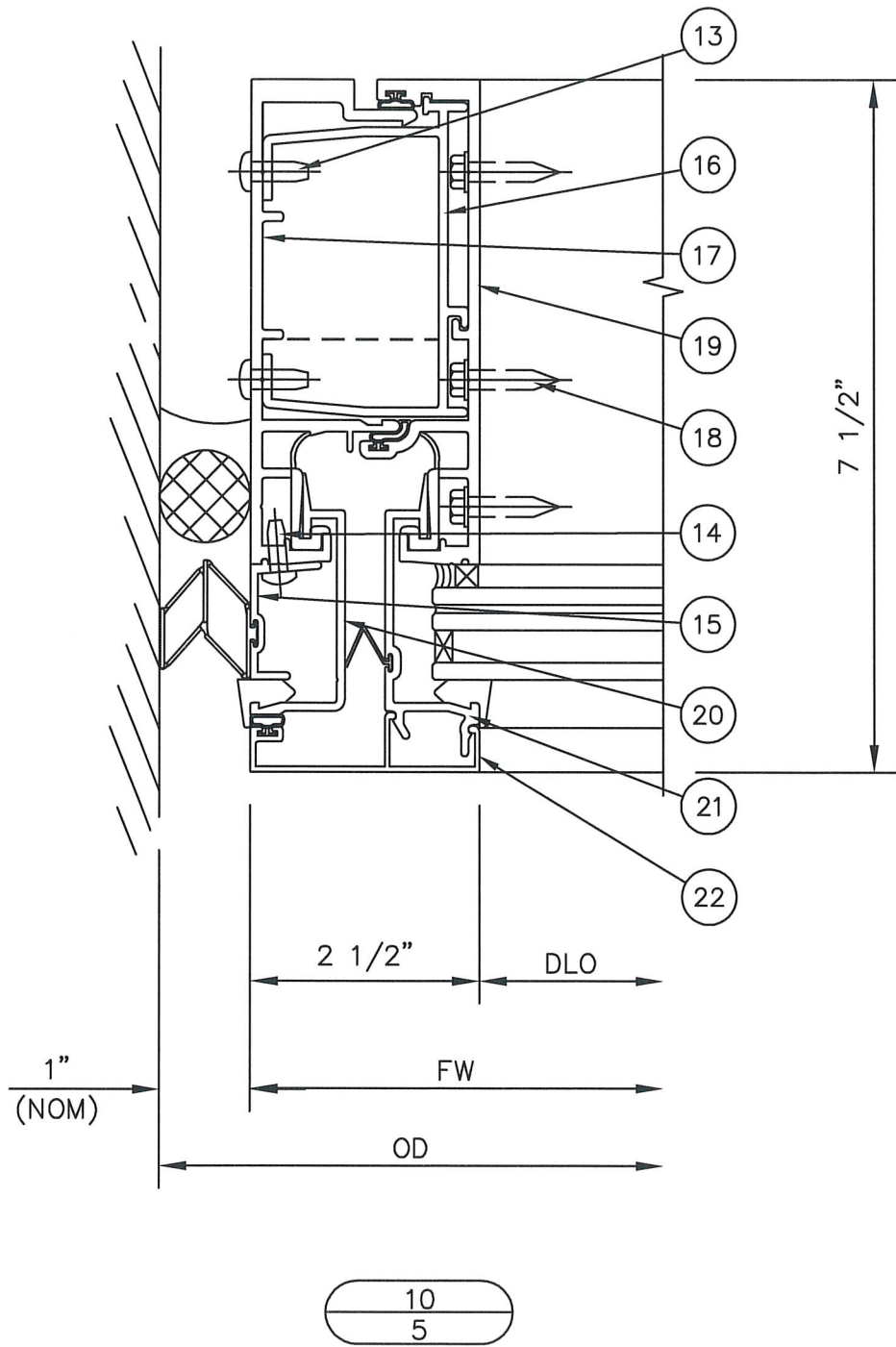
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NORCROSS, GA 30092

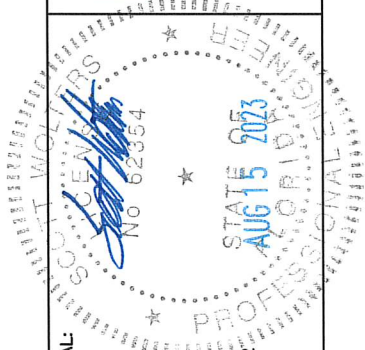
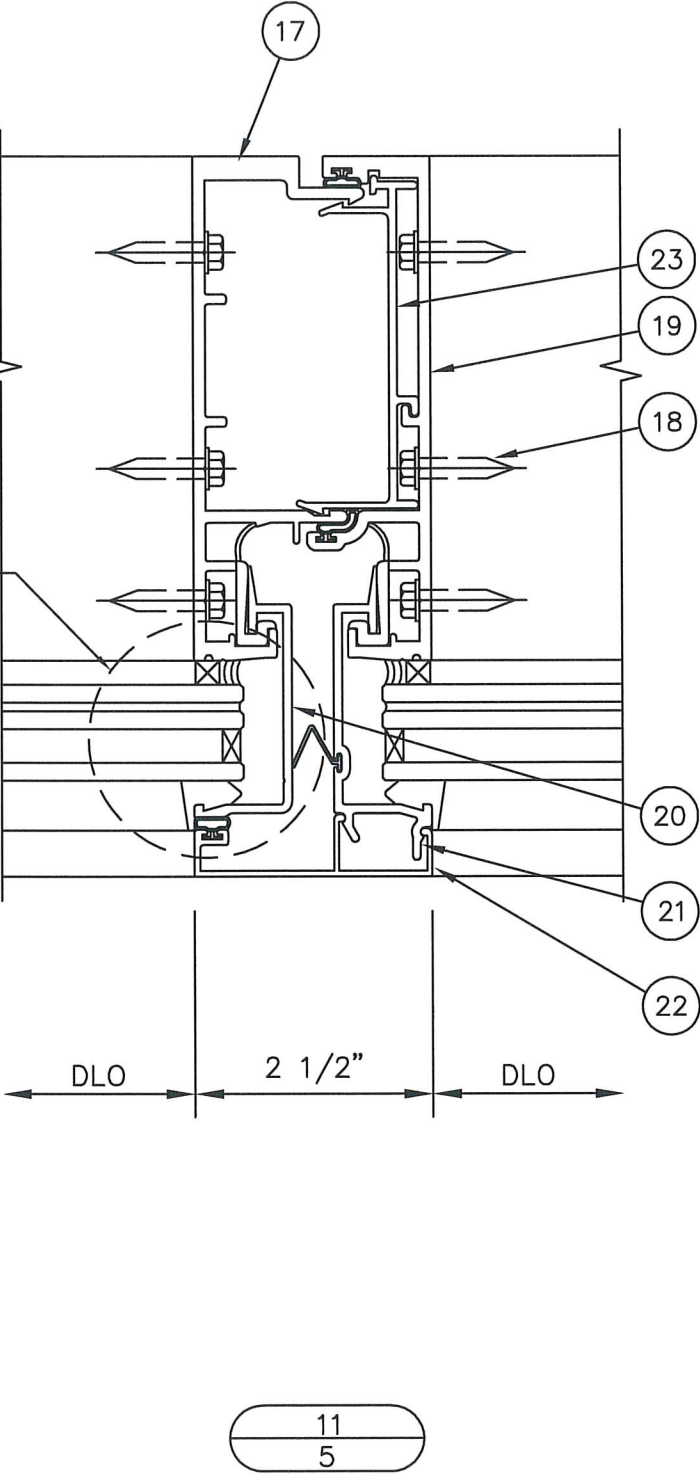
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JAMB DETAILS



SEE GLAZING DETAILS
ON SHEET 6/10.



SEAL:
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FL PE# 62354
WALTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

PRODUCT:
2500 PG WALL
DWG:
2500-PG-WZ3
SECTION:
3
SHEET:
5/10

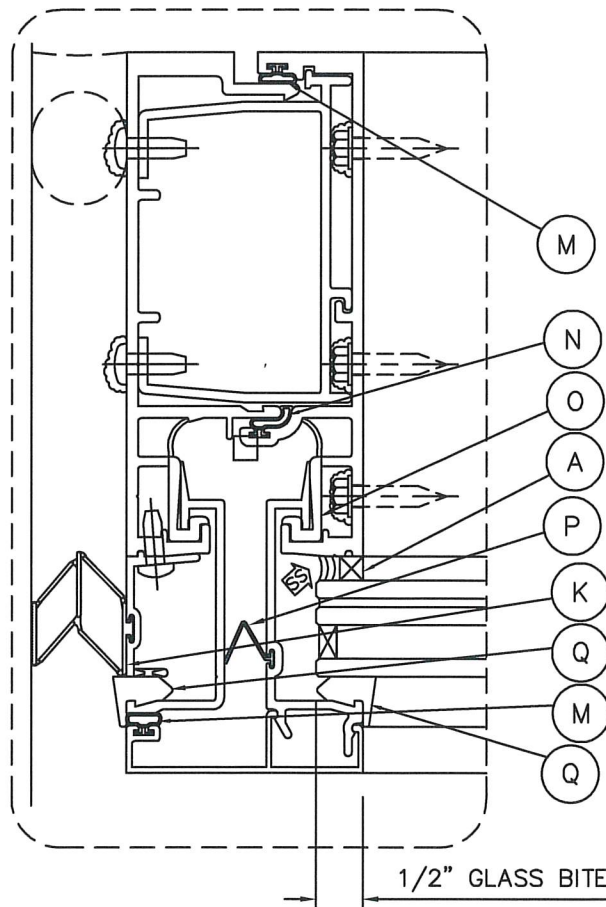
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REV.#	ISSUED FOR	DATE
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2	PRINTS	
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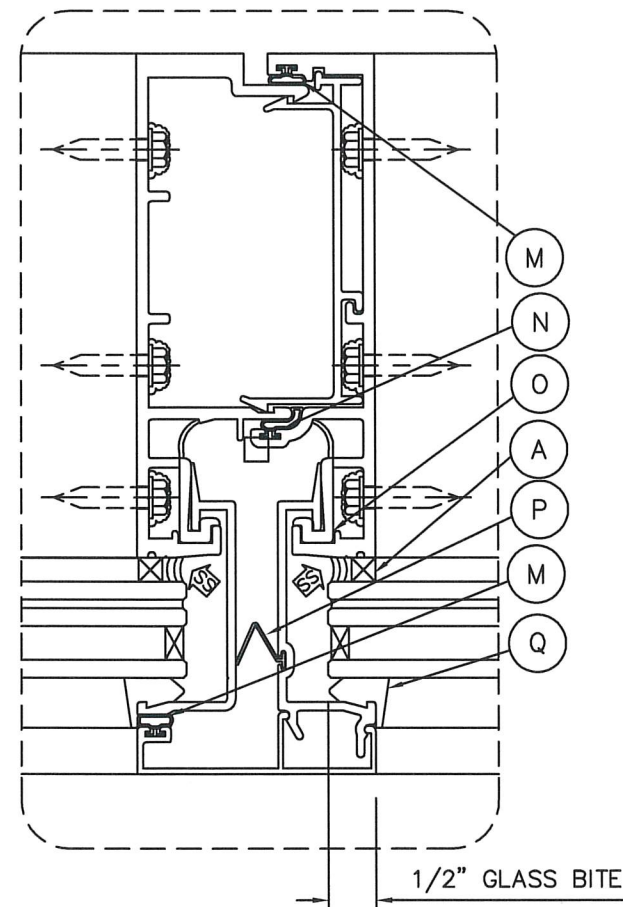
GLAZING DETAILS

GLASS TYPE 1 - 3/16" HEAT STRENGTHENED
3/8" AIR SPACE (ALUM SPACER)
3/16" HEAT STRENGTHENED
0.090" SENTRYGLASS INTERLAYER
3/16" HEAT STRENGTHENED

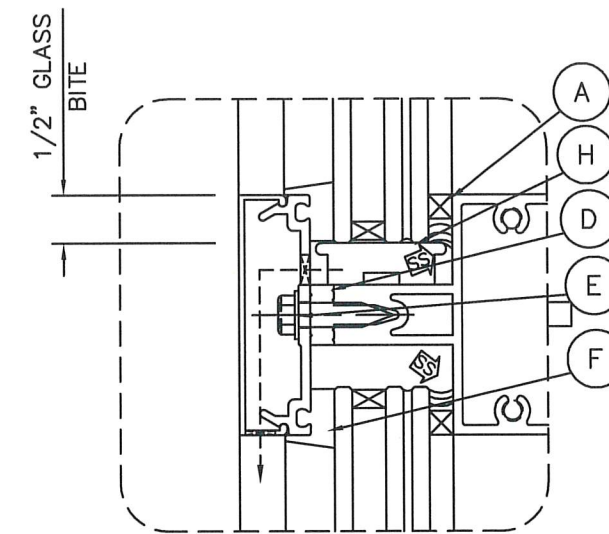
GLASS CHART					
GLASS TYPE 1 (LMI - LEVEL D, WIND ZONE 3)					
TESTED DLO'S = 48"x93 1/2" (50 psf)					
DLO HEIGHT (in)	ALLOWABLE DESIGN PRESSURE (+/- psf)				
	DLO WIDTH (in)				
	37 3/4	39	42	45	48
93 1/2	50	50	50	50	50
99 3/4	50	50	50	50	-
107	50	50	50	-	-
115	50	50	-	-	-
119	50	-	-	-	-



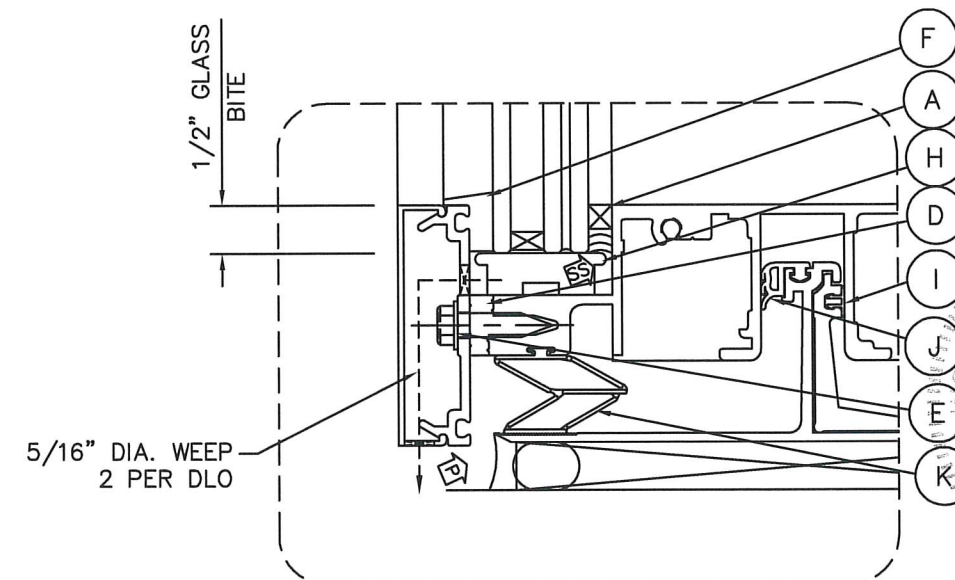
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|---|--------|--|
| A | 127095 | NORTON THERMALBOND V2108 1/4"x1/4" FOAM SPACER
(SHORE "A" 35±5 DUROMETER POLYURETHANE FOAM) |
| K | 127087 | STACK RAINSCREEN GASKET
(CO-EXTRUDED 68-D CPVC/65-A HYTREL/TUFCOAT) |
| M | 127091 | T-BULB SPACER GASKET
(CO-EXTRUDED 65-A SANTOPRENE/68-D POLYPROPYLENE) |
| N | 127092 | AIR/WATER SEAL T-BULB GASKET
(CO-EXTRUDED 65-A SANTOPRENE/68-D POLYPROPYLENE) |
| O | 425329 | GLASS RETAINER ISOLATOR
(80-D / 87-A DUAL DUROMETER PVC) |
| P | 127086 | MULLION RAINSCREEN GASKET
(SHORE "D" 55±5 DUROMETER SANTOPRENE) |
| Q | 027851 | WEDGE GASKET
(SHORE "A" 70±5 DUROMETER EPDM) |



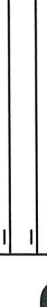
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| A | 127095 | NORTON THERMALBOND V2108 1/4"x1/4" FOAM SPACER
(SHORE "A" 35±5 DUROMETER POLYURETHANE FOAM) |
| M | 127091 | T-BULB SPACER GASKET
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| Q | 027851 | WEDGE GASKET
(SHORE "A" 70±5 DUROMETER EPDM) |



- | | | |
|---|--------|--|
| A | 127095 | NORTON THERMALBOND V2108 1/4"x1/4" FOAM SPACER
(SHORE "A" 35±5 DUROMETER POLYURETHANE FOAM) |
| D | 162310 | THERMAL SEPARATOR
(SHORE "A" 70±5 DUROMETER EPDM) |
| E | 128406 | 1/4 x 1" AB HWHTF |
| F | 027850 | FIXED GASKET
(SHORE "A" 60±5 DUROMETER EPDM) |
| H | 027853 | SETTING BLOCK – FBC 2411.3.3.1 COMPLIANT
(SHORE "A" 85±5 DUROMETER EPDM) |



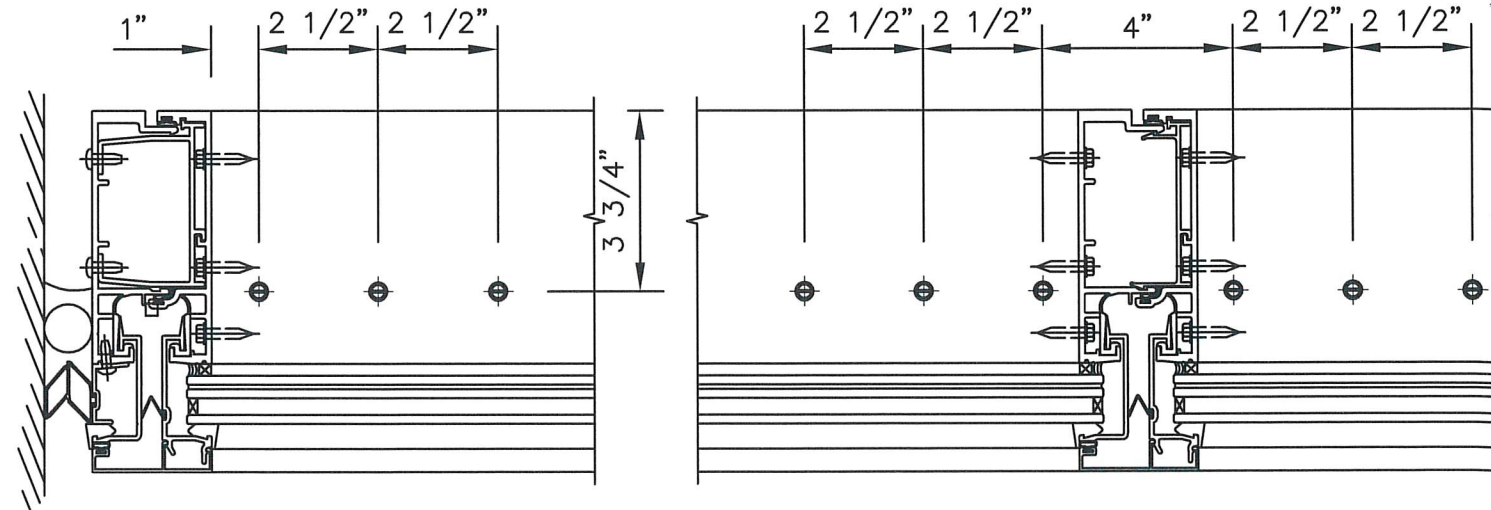
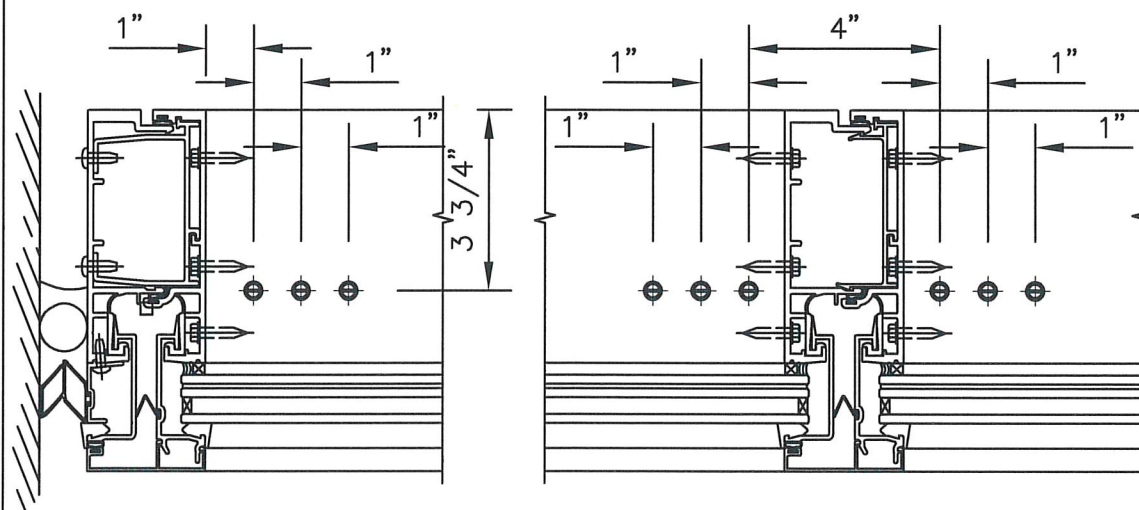
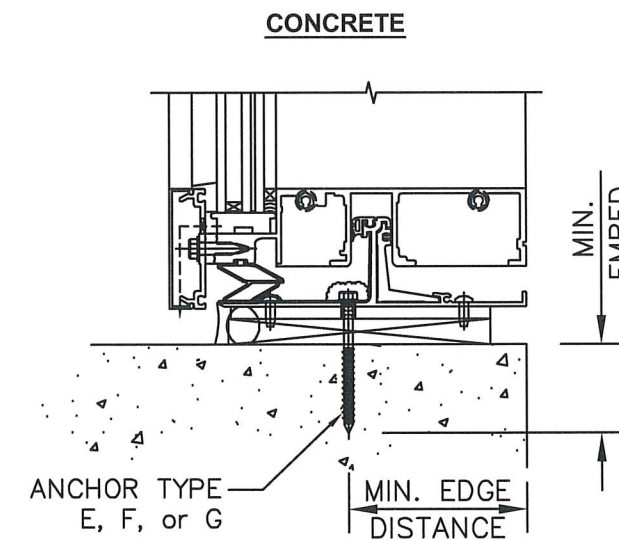
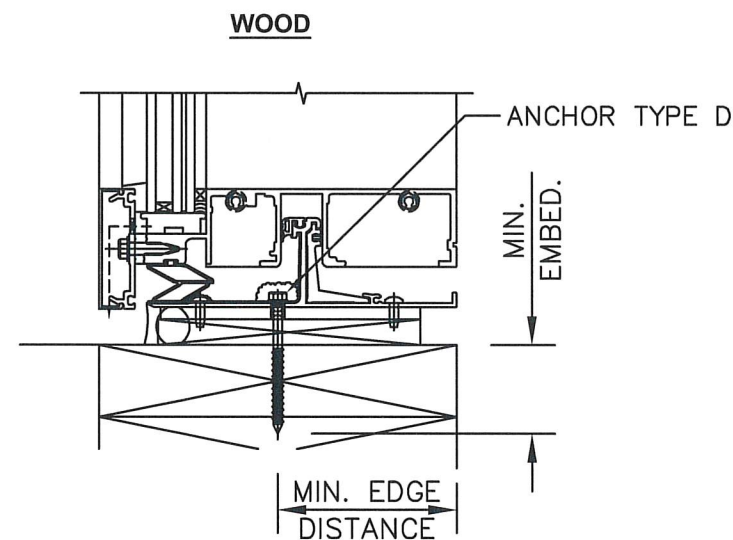
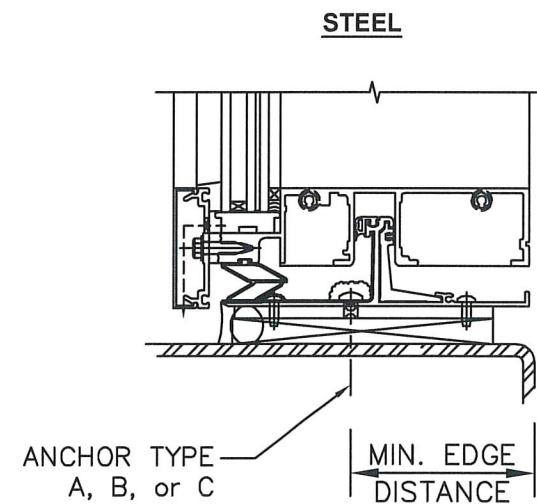
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|---|--------|--|
| A | 127095 | NORTON THERMALBOND V2108 1/4"x1/4" FOAM SPACER
(SHORE "A" 35±5 DUROMETER POLYURETHANE FOAM) |
| D | 162310 | THERMAL SEPARATOR
(SHORE "A" 70±5 DUROMETER EPDM) |
| E | 128406 | 1/4 x 1" AB HWHTF |
| F | 027850 | FIXED GASKET
(SHORE "A" 60±5 DUROMETER EPDM) |
| H | 027853 | SETTING BLOCK – FBC 2411.3.3.1 COMPLIANT
(SHORE "A" 85±5 DUROMETER EPDM) |
| I | 425330 | NOISE REDUCTION CLIP
(SHORE "D" 78±5 DUROMETER RIGID PVC) |
| J | 127063 | AIR / WATER SEAL GASKET
(SHORE "A" 70±5 DUROMETER EPDM) |
| K | 127087 | STACK RAINSCREEN GASKET
(CO-EXTRUDED 68-D CPVC/65-A HYTREL/TUFCOAT) |

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SEAL: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COA# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412 PH/FAX: (561) 225-1982 		
PRODUCT: 2500 PG WALL		
2500-PG-WZ3		
SECTION# WG:		5
SHEET:		6/10

SILL ANCHOR DETAILS

SILL ANCHORS						
SUBSTRATE	MARK	TYPE	QUANTITY		MIN EMBED (in)	MIN EDGE DISTANCE (in)
			MULLION	JAMB		
STRUCTURAL STEEL (1/8", A36 min)	A	1/4" DIA. F-TYPE SCREW or BOLT (Fu=120 ksi min)	6	3	FULL*	3/4"
	B	1/4" DIA. ELCO DRIL-FLEX	6	3	FULL*	3/4"
	C	1/4" DIA. ITW TEKS SCREW	6	3	FULL*	3/4"
WOOD (2x, SG=0.5 min)	D	1/4" DIA. WOOD SCREW (SAE GR. 5 min)	6	3	1 1/2"	1"
CONCRETE (2846 psi min)	E	1/4" DIA. ELCO ULTRACON	6	3	1 3/4"	2 1/2"
	F	1/4" DIA. HILTI KWIK-CON II	6	3	1 3/4"	2 1/2"
	G	1/4" DIA. ITW TAPCON	6	3	1 3/4"	2 1/2"

* FOR FASTENERS IN STEEL, FASTENER THREADS MUST FULLY PENETRATE THE WALL THICKNESS OF THE STEEL, WITH THREE ADDITIONAL THREADS BEYOND.



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555 GUTHRIDGE COURT
NORCROSS, GA 30092
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STATE OF
AUG 15 2013
No 62354

SEAL

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

PRODUCT:	2500 PG WALL
DWG:	2500-PG-WZ3
SECTION:	6
SHEET:	7/10

SEE SECTION DETAILS BELOW

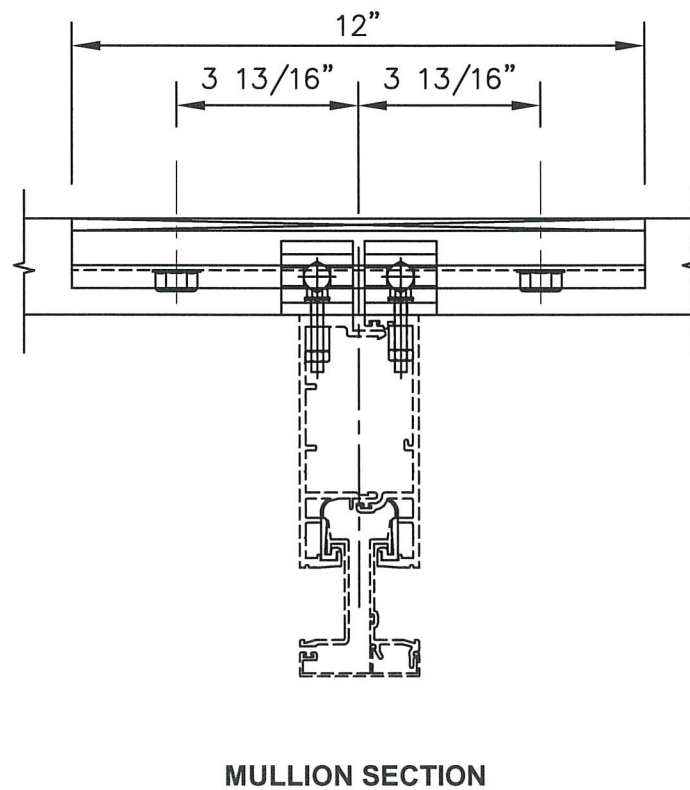
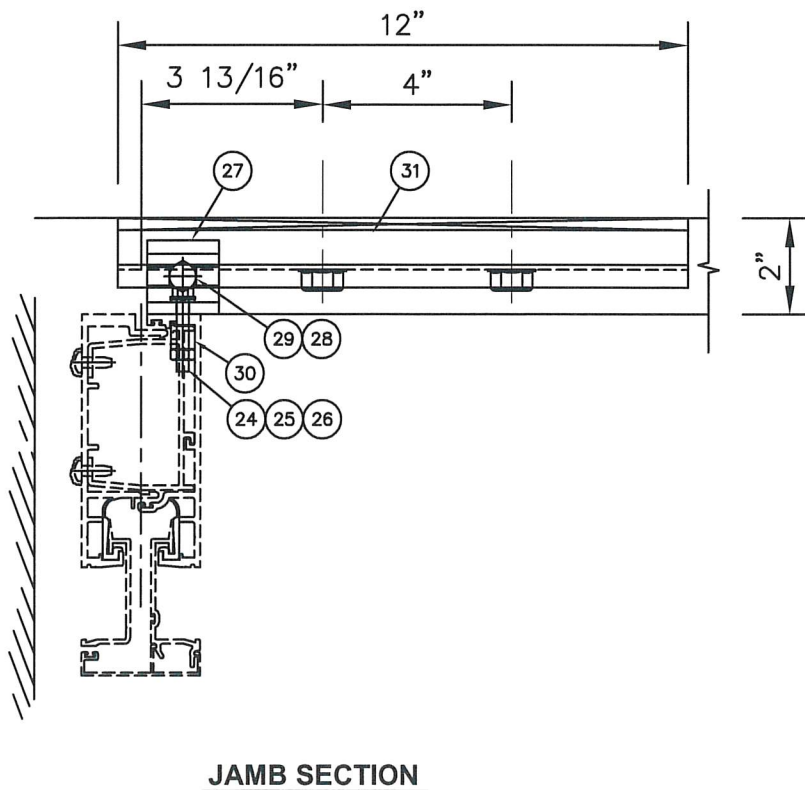
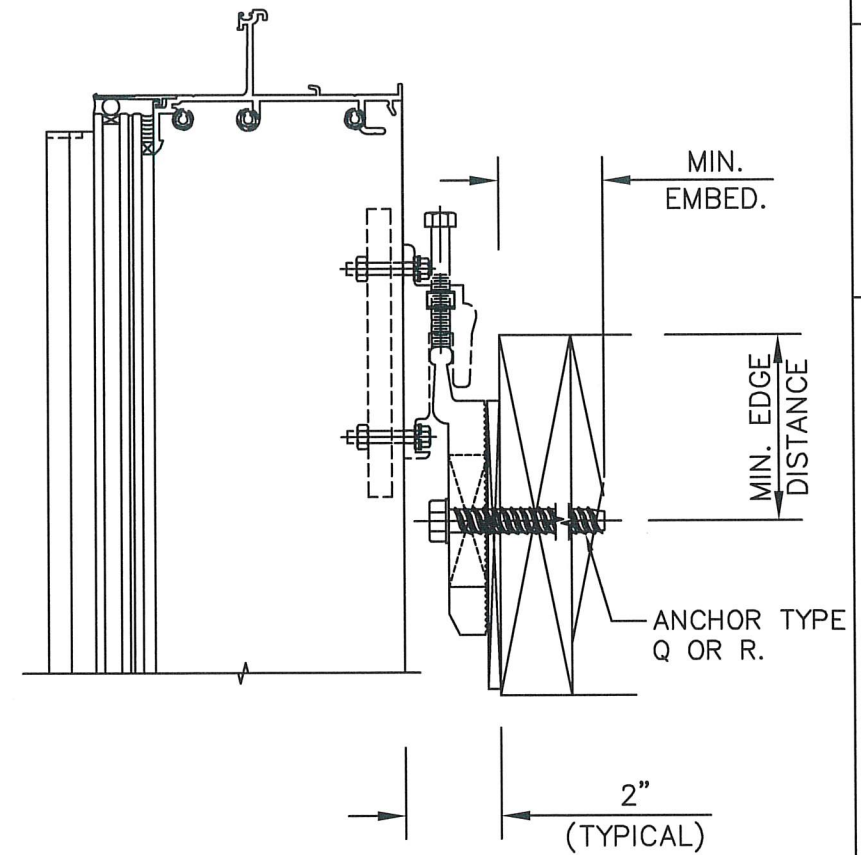
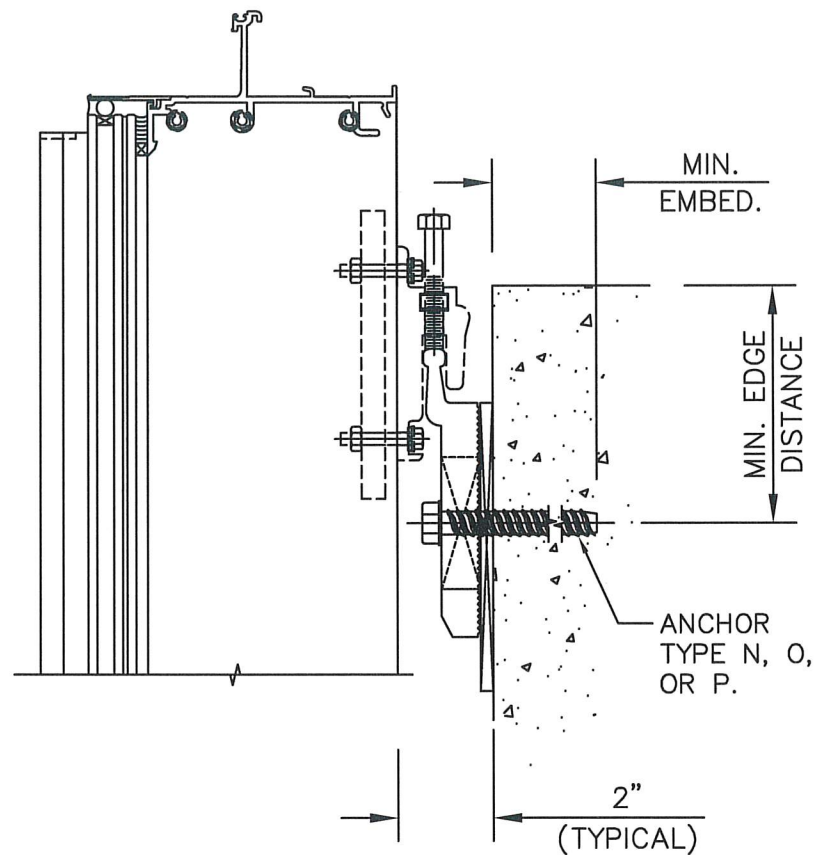
3 1/2"

2 3/8"

ANCHOR TYPE K, L, OR M.

2" (TYPICAL)

24 25 26 27 28 29 30 31



HEAD ANCHORS						
SUBSTRATE	MARK	TYPE	QUANTITY		MIN EMBED (in)	MIN EDGE DISTANCE (in)
			MULLION	JAMB		
STRUCTURAL STEEL (1/4", A36 min)	K	1/2" DIA. BOLT, LOCKNUT, AND WASHERS (Fu=120 ksi min)	2	2	N/A	N/A
	L	1/2" DIA. F-TYPE SCREW (Fu=120 ksi min)	2	2	FULL*	N/A
	M	1/2" DIA. ELCO TAP-FLEX	4	2	FULL*	3/4"
CONCRETE (4000 psi min)	N	1" DIA. POWERS WEDGE BOLT CONCRETE ANCHOR	4	2	3 1/2"	3"
	O	1/2" DIA. SIMPSON STRONG-TIE TITAN HD	2	1	3 1/2"	3"
	P	1/2" DIA. DEWALT SCREWBOLT+ CONCRETE ANCHOR	2	1	3 1/2"	3"
WOOD (Double 2x min) (S.G. =0.5 min)	Q	1/2" DIA. BOLT, LOCKNUT, AND WASHERS (Fu=120 ksi min)	2	2	N/A	2"
	R	1/2" DIA. LAG SCREW (Fu=120 ksi min)	2	2	3"	2"

* FOR FASTENERS IN STEEL, FASTENER THREADS MUST FULLY PENETRATE THE WALL THICKNESS OF THE STEEL, WITH THREE ADDITIONAL THREADS BEYOND.

PRODUCT:	2500 PG WALL
DWG:	2500-PG-WZ3
SECTION:	6
SHEET:	8/10



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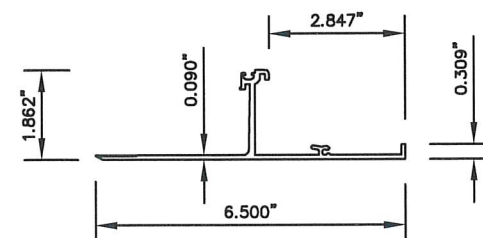
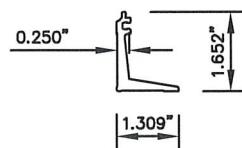
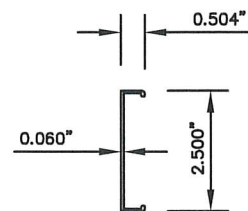
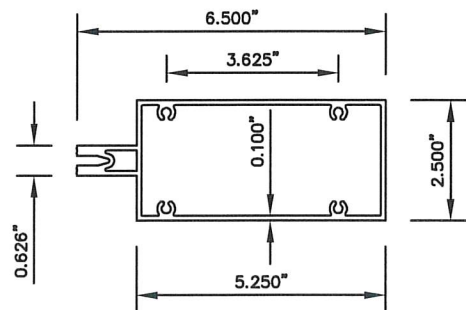
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BILL OF MATERIALS

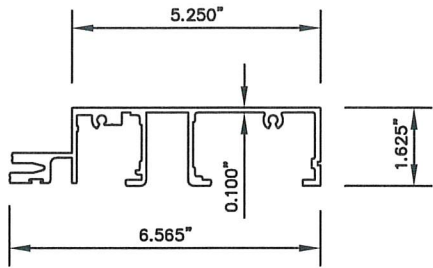
ID NO.	PART NO.	DESCRIPTION	MATERIAL
EXTRUSIONS AND PARTS			
1	162505	PERIMETER PRESSURE PLATE	6063-T6 ALUMINUM
2	425013	HORIZONTAL	6063-T6 ALUMINUM
3	162006	COVER	6063-T6 ALUMINUM
5	425318	REINFORCING ANGLE	6063-T6 ALUMINUM
6	425317	REINFORCING ANGLE	6063-T6 ALUMINUM
7	425316	REINFORCING ANGLE	6063-T6 ALUMINUM
8	127096	SILICONE SHEET	SILICONE
9	425032	SILL TRACK (ANODIZED #29)	6063-T6 ALUMINUM
10	425008	SILL HORIZONTAL	6063-T6 ALUMINUM
11	162335	PRESSURE PLATE	6063-T6 ALUMINUM
15	425023	JAMB ADAPTER	6063-T6 ALUMINUM
16	425303	LOCK JAMB CLIP	6063-T6 ALUMINUM
17	425001	MULLION	6063-T6 ALUMINUM
19	425002	MULLION	6063-T6 ALUMINUM
20	425015	GLASS RETAINER	6063-T6 ALUMINUM
21	425016	GLASS RETAINER	6063-T6 ALUMINUM
22	425017	COVER	6063-T6 ALUMINUM
23	425018	MULLION INTERLOCK CLIP	6063-T6 ALUMINUM
27	425308	ANCHOR LUG	6063-T6 ALUMINUM
30	425315	ANCHOR LUG BACKUP	6063-T6 ALUMINUM
	PL01	1/4" THICK X 5 7/16" X 10" ALUM PLATE	6063-T6 ALUMINUM
35	425003	HEAD HORIZONTAL	6063-T6 ALUMINUM
36	425327	GLASS EDGE PROTECTOR	RIGID PVC
	PL02	1/4" THICK X 1" CONTINUOUS ALUM. PLATE	6063-T6 ALUMINUM
FASTENERS			
4	977108	#10 X 1/2" B PHTF	300 SERIES S.S.
13	128271	#12 X 5/8" B PHTF	300 SERIES S.S.
14	128408	#12-14 x 1 HEX SOCKET HEAD TF SCREW	300 SERIES S.S.
18	128509	#12 X 1" AB HWHTF	300 SERIES S.S.
E	128406	1/4"X1" AB HWHBTF	300 SERIES S.S.
24	128549	1/4-20 X 1 1/2" HWHMS GRADE 5	
25	028279	1/4" LOCK WASHER	
26	128548	1/4 - 20 MS NUT GRADE 5	
28	028780	3/8 - 16 NUT	300 SERIES S.S.
29	128915	3/8 - 16 X 2 1/2" HHMS	300 SERIES S.S.

ID NO.	PART NO.	DESCRIPTION	MATERIAL
GASKETS & GLAZING			
A	127095	NORTON THERMAL BOND TAPE - V2108 1/4" X 1/4" FOAM SPACER	EDPM
B	425327	GLASS EDGE PROTECTOR SHORE D 80±5 DUROMETER RIGID PVC	PVC
D	162310	THERMAL SEPARATOR SHORE A 70 ±5 DUROMETER	EPDM
F	027850	FIXED GASKET (SHORE A 60±5 DUROMETER)	EPDM
H	027853	SETTING BLOCK (SILL) (SHORE "A" 85±5 DUROMETER)	EPDM
I	425330	NOISE REDUCTION CLIP (SHORE "D" 78±5 DUROMETER)	PVC
J	127063	AIR/WATER SEAL GASKET (SHORE A 70±5 DUROMETER)	EPDM
K	127087	STACK RAINSCREEN GASKET (CO-EXTRUDED 68-D CPVC / 65-A HYTREL / TUFCOAT)	
L	127089	WIPER GASKET (68-D / 65-A DUAL DUROMETER)	SANTOPRENE
M	127091	T-BULB SPACER GASKET (CO-EXTRUDED 65-A SANTOPRENE / 68-D POLYPROPYLENE)	
N	127092	AIR/WATER SEAL T-BULB GASKET (CO-EXTRUDED 65-A SANTOPRENE / 68-D POLYPROPYLENE)	
O	425329	GLASS RETAINER ISOLATOR (80-D / 87-A DUAL DUROMETER)	PVC
P	127086	MULLION RAINSCREEN GASKET (SHORE "D" 55±5 DUROMETER)	SANTOPRENE
Q	027851	WEDGE GASKET (SHORE "D" 55±5 DUROMETER)	EPDM
	-----	.060" THICK X 8" WIDE SILICONE SHEET	SILICONE SHEET

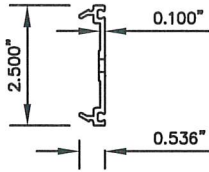


	SEAL: SCOTT WOLTERS FL PE# 62354 WOLTERS ENGINEERING (COA# 27194) 15211 97TH ROAD N WEST PALM BEACH, FL 33412 PH/FAX: (561) 225-1982		PH: (770) 449-5555 WWW: KAWNEER.COM	
	PRODUCT: 2500 PG WALL		1ST SUBMITTAL	
	DWG: 2500-PG-WZ3		PRINTS ISSUED FOR	
	SECTION: 7		REV.#	
	SHEET: 9/10		DATE	
	KAWNEER AN ARCONIC COMPANY		12/14/20	
	555 GUTHRIDGE COURT NORCROSS, GA 30092		12/14/20	

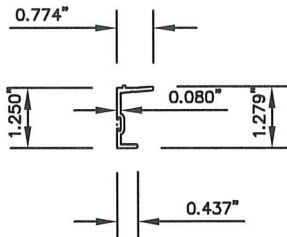
EXTRUSION PROFILES



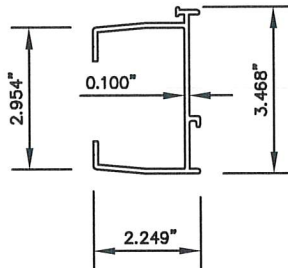
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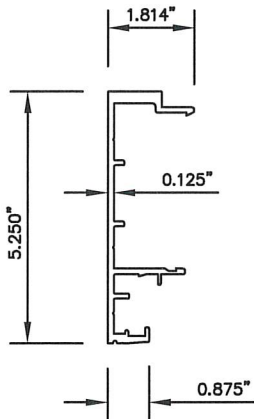
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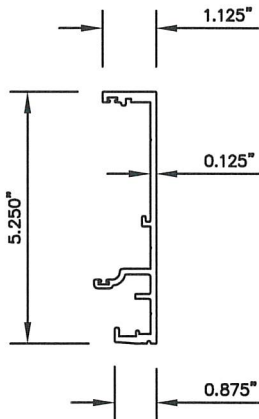
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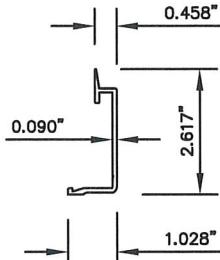
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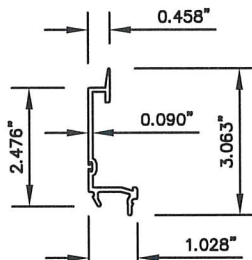
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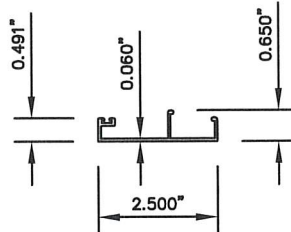
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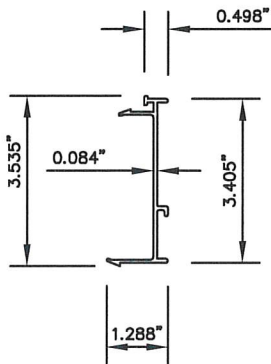
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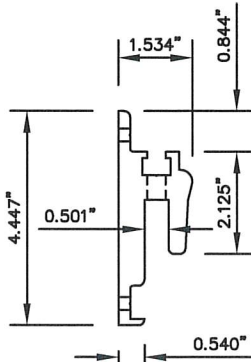
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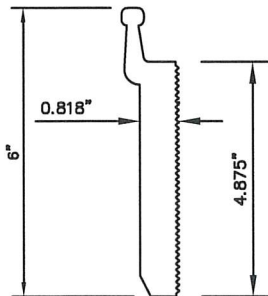
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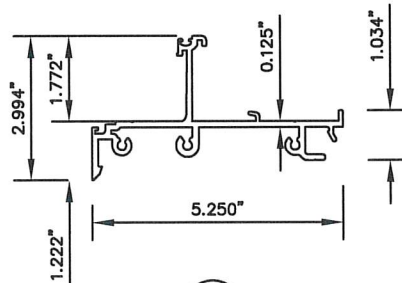
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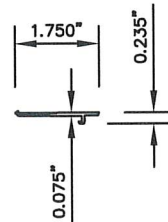
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KAWNEER

AN ARCONIC COMPANY

555 GUTHRIDGE COURT
NORCROSS, GA 30092

PH: (770) 449-5555
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REV.#	DATE
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SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

SEAL

STATE OF FLORIDA

PROFESSIONAL ENGINEER

SCOTT WOLTERS

No 62354

AUG 15 2023

PRODUCT:	2500 PG WALL
DWG:	2500-PG-WZ3
SECTION:	7
SHEET:	10/10