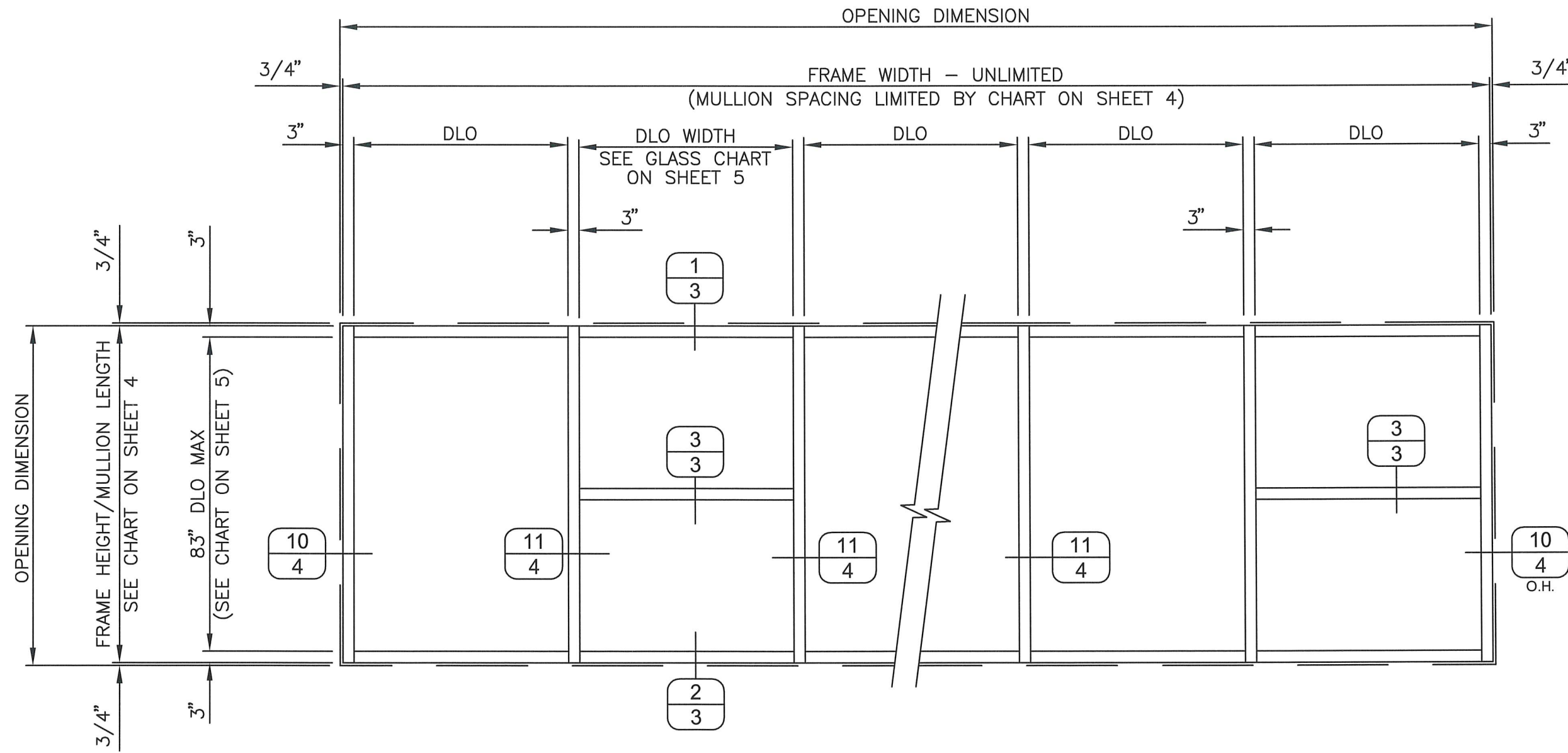
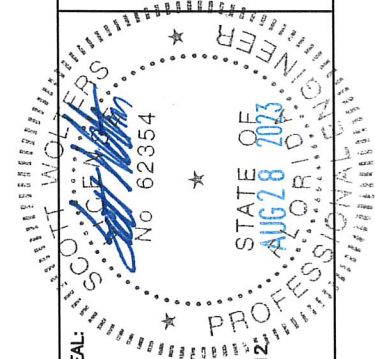


ELEVATION



**EXTERIOR VIEW
(NOT TO SCALE)**

DESIGN PRESSURE
+100 / -123 Psf



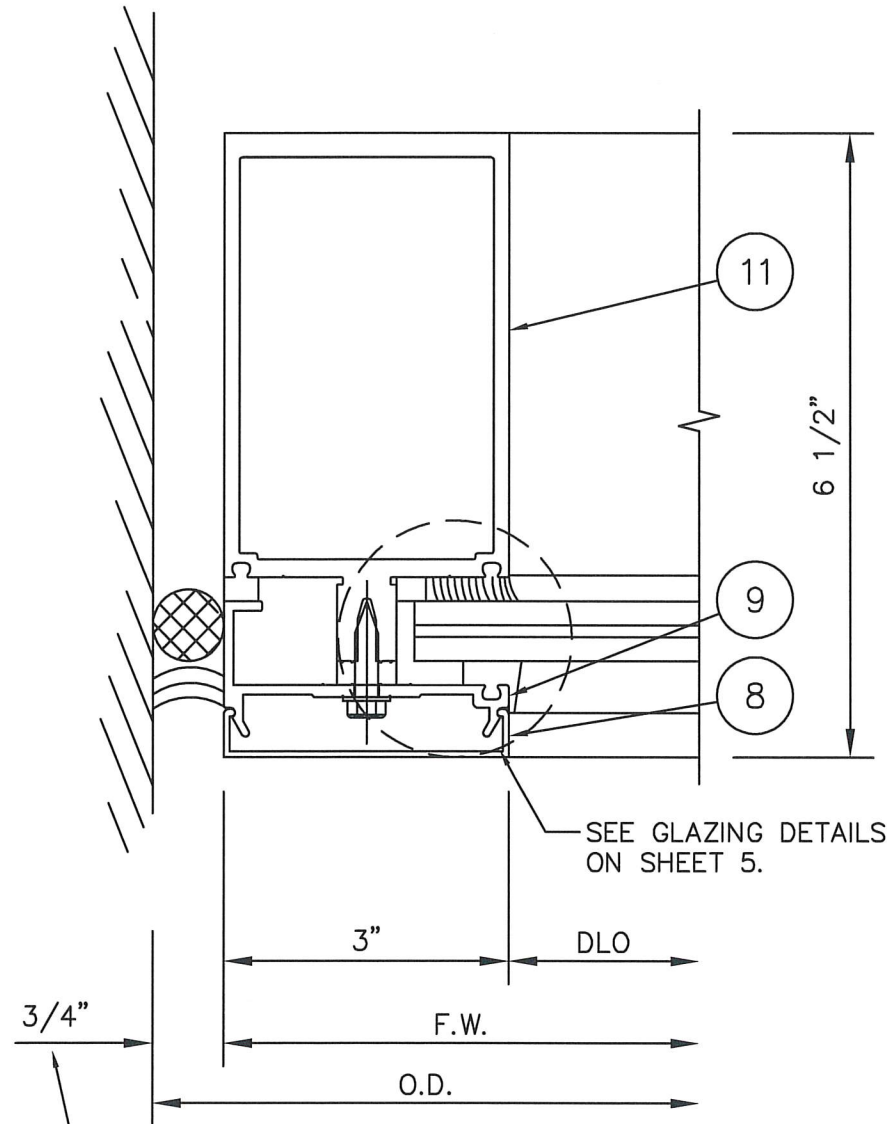
SEAL:
 SCOTT WOLTERS
 FL PE# 62354
 WOLTERS ENGINEERING
 (COM# 27194)
 15211 97TH ROAD N
 WEST PALM BEACH, FL 33412
 PH/FAX:(561) 225-1982

PRODUCT:
**1600 WALL SYS 1
 3" LEVEL E**
 DWG:
1600-3IR-LVLE
 SECTION:
2
 SHEET:
2/8

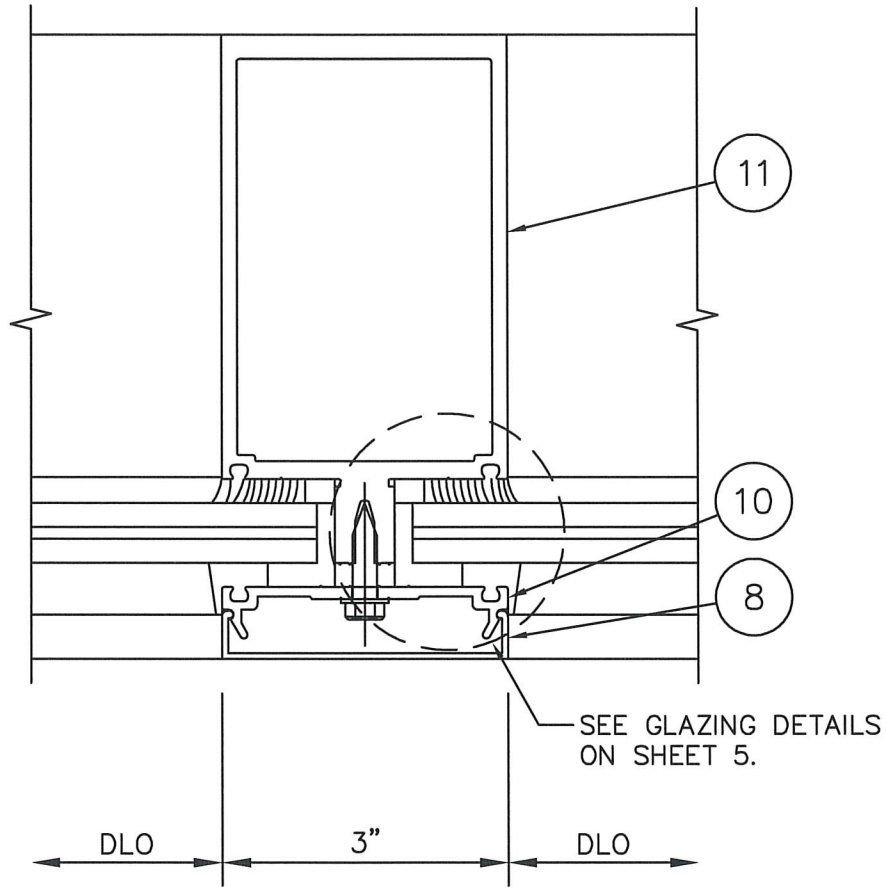
KAWNEER
 AN ARCONIC COMPANY
 555 GUTHRIDGE COURT
 NORCROSS, GA 30092
 PH: (770) 449-5555
 WWW.KAWNEER.COM

12/18/20	DATE
1ST SUBMITTAL	REV.#
PRINTS ISSUED FOR	REV.#

VERTICAL DETAILS



10
4



11
4

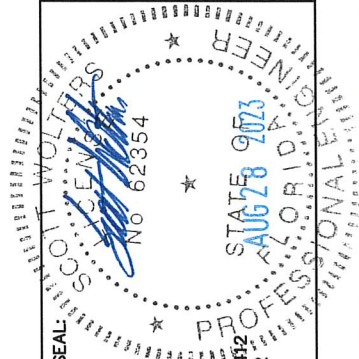
NOMINAL DIMENSION. PERIMETER SEALANT WIDTH MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND ASTM C1472.

MULLION CHART					
		MAX DESIGN PRESSURE (psf)			
HEIGHT (in)	WIDTH (in)	MULLION M1		JAMB J1	
		(+)	(-)	(+)	(-)
78	48	100	123	100	123
	60	100	123	100	123
	64 1/2	100	123	100	123
	69	100	123	100	123
83	48	100	123	100	123
	60	100	123	100	123
	64 1/2	100	123	100	123
	69	100	123	100	123
89	48	100	123	100	123
	60	100	123	100	123
	64 1/2	100	123	100	123
	69	-	-	100	123



PH: (770) 449-5555
WWW.KAWNEER.COM

555 GUTHRIDGE COURT
NORCROSS, GA 30092



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

PRODUCT:
1600 WALL SYS 1
3" LEVEL E

DWG:
1600-3IR-LVLE

SECTION:
3

SHEET:
4/8

REV.#	DATE
1	12/18/20
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

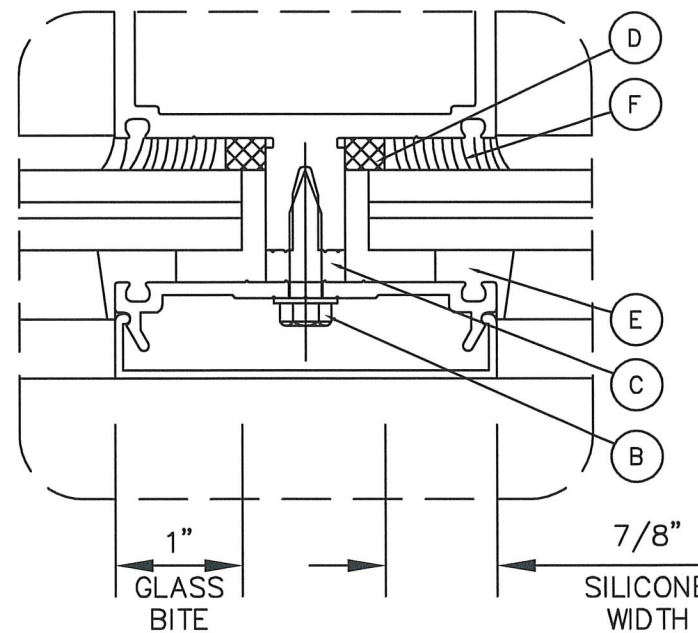
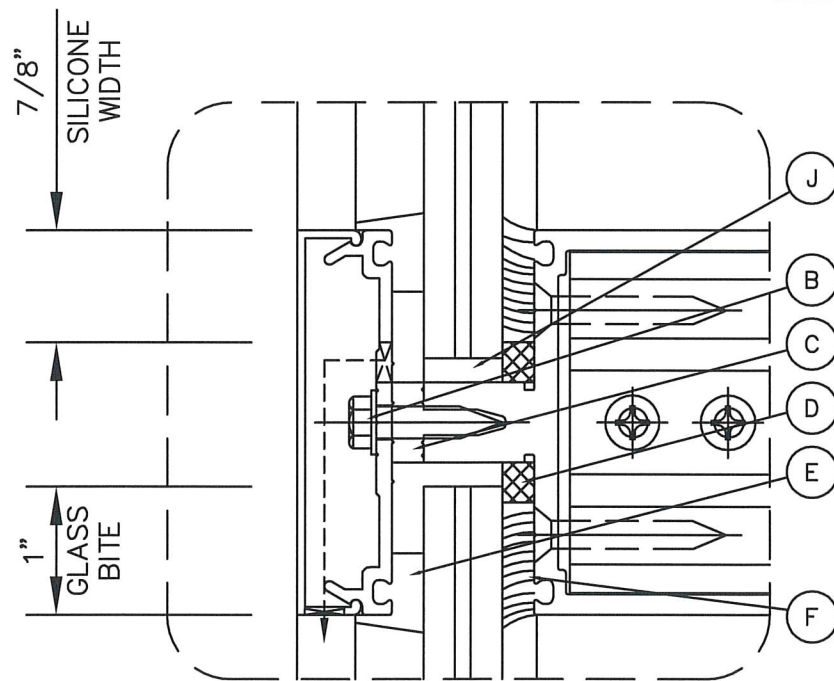
LEVEL E LARGE AND SMALL MISSILE GLAZING

GLASS TYPE 1:

- 5/8" LAMINATED
- 1/4" HEAT STRENGTHENED
- 0.050" SAFLEX HP INTERLAYER
- 0.077" VANCEVA STORM INTERLAYER
- 0.050" SAFLEX HP INTERLAYER
- 1/4" HEAT STRENGTHENED

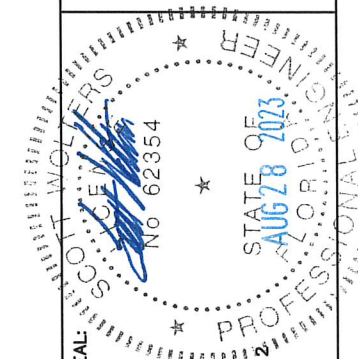
GLASS CHART				
GLASS TYPE 1 (LEVEL E LMI/SMI)				
TESTED DLO'S = 57"x83" (+100/-123 psf), 66"x40" (+100/-123 psf)				
DLO HEIGHT (in)	ALLOWABLE DESIGN PRESSURE (psf)			
	DLO WIDTH (in)			
	57	60	63	66
63	+100/-123	+100/-123	+100/-123	+100/-123
67	+100/-123	+100/-123	+100/-123	+100/-123
72	+100/-123	+100/-123	+100/-123	+100/-123
75	+100/-123	+100/-123	+100/-123	-
79	+100/-123	+100/-123	-	-
83	+100/-123	-	-	-

GLAZING DETAILS



- B 128-406 1/4 x 1" AB HWHTF (3" O.C.)
- C 162-310 THERMAL SEPARATOR (SHORE "A" 70±5 DUROMETER EPDM)
- D 027-845 1/4" X 5/16" TREMCO V2200 SERIES FOAM TAPE
- E 27-850 FIXED GASKET (SHORE "A" 60±5 DUROMETER EPDM)
- F DOW CORNING 995 SILICONE SEALANT (NBK)
- J 27-342 SETTING BLOCK-FBC 2411.3.3.1 COMPLIANT (80±5 DUROMETER NEOPRENE)

- B 128-406 1/4 x 1" AB HWHTF (3" O.C.)
- C 162-310 THERMAL SEPARATOR (SHORE "A" 70±5 DUROMETER EPDM)
- D 027-845 1/4" X 5/16" TREMCO V2200 SERIES FOAM TAPE
- E 027-850 FIXED GASKET (SHORE "A" 60±5 DUROMETER EPDM)
- F DOW CORNING 995 SILICONE SEALANT (NBK)



KAWNEER
AN ARCONIC COMPANY

555 GUTHRIDGE COURT
NORCROSS, GA 30092
PH: (770) 449-5555
WWW.KAWNEER.COM

PRODUCT:
**1600 WALL SYS 1
3" LEVEL E**

DWG:
1600-3IR-LVLE

SECTION:
5

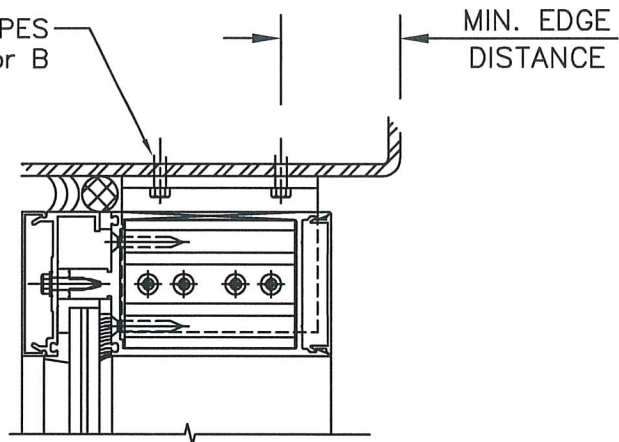
SHEET:
5/8

REV.#	DATE	PRINTS ISSUED FOR
1	12/18/20	
2		
3		
4		
5		
6		
7		
8		
9		
10		

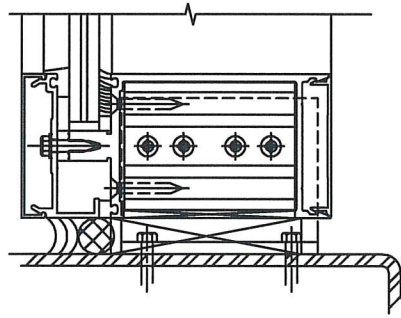
HEAD/SILL ANCHOR DETAILS

SEE ANCHOR CHART ON SHEET 8.

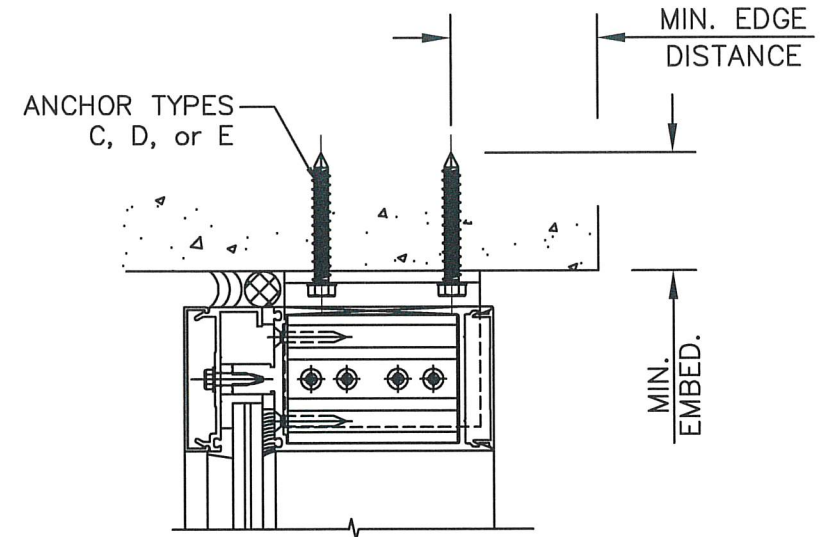
ANCHOR TYPES
A or B



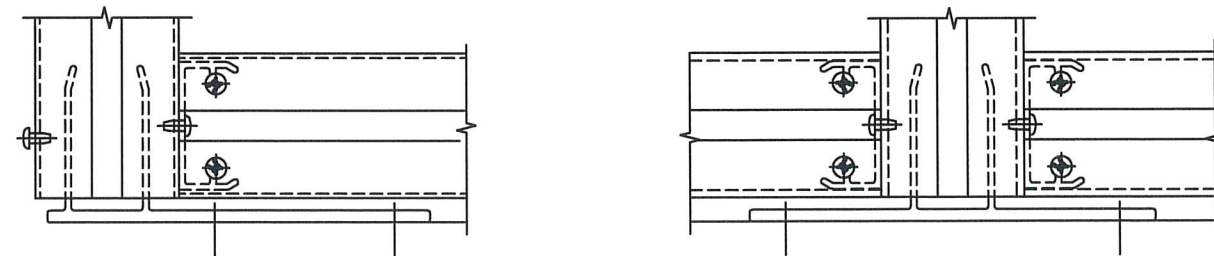
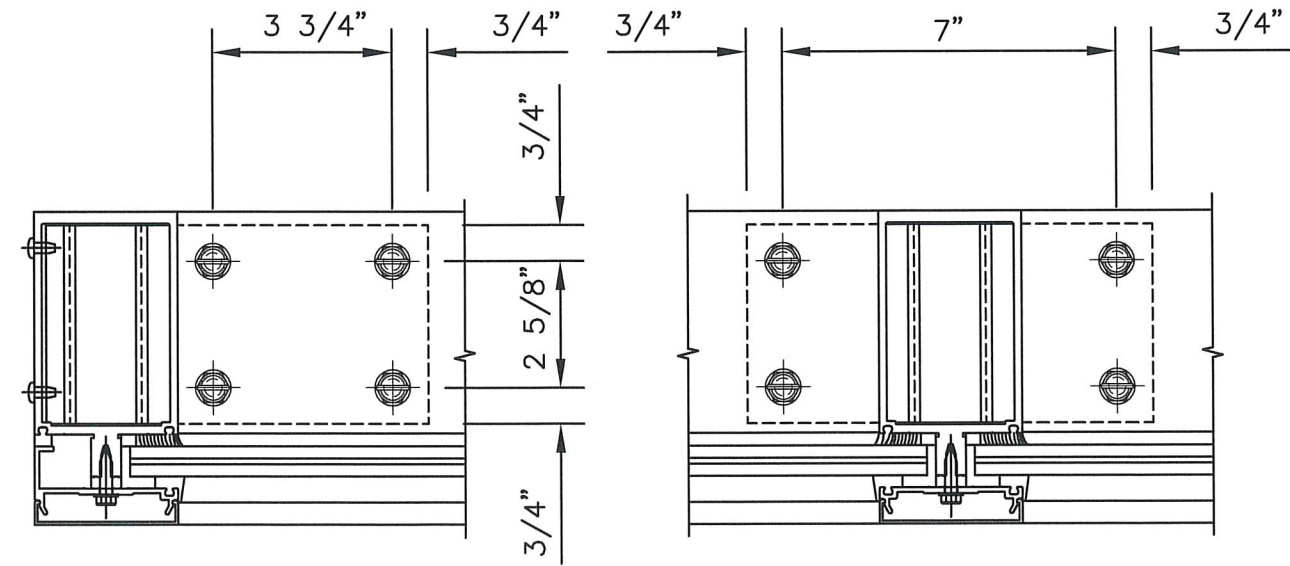
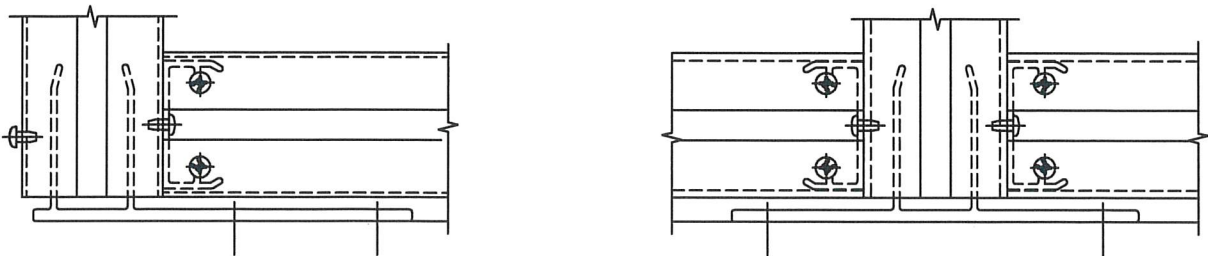
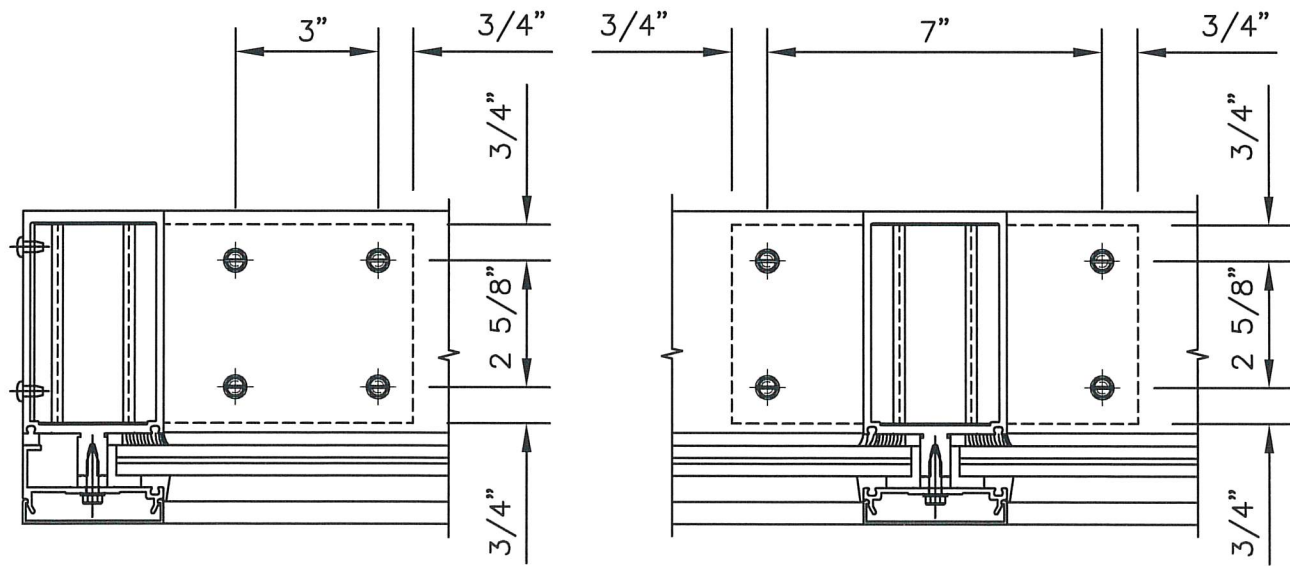
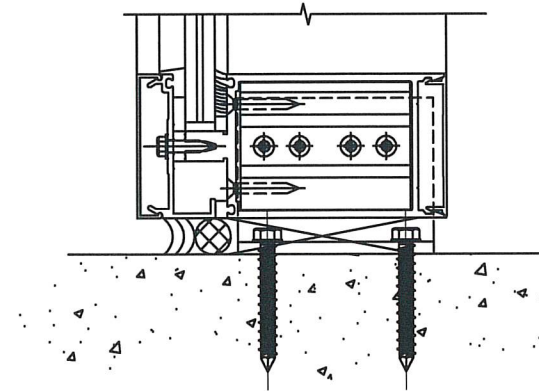
STEEL



ANCHOR TYPES
C, D, or E



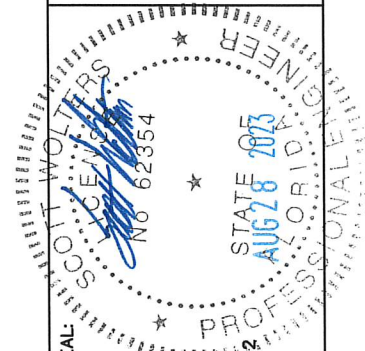
CONCRETE



KAWNEER
AN ARCONIC COMPANY

PH: (770) 449-5555
WWW.KAWNEER.COM

555 GUTHRIDGE COURT
NORCROSS, GA 30092



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

PRODUCT:
1600 WALL SYS 1
3" LEVEL E

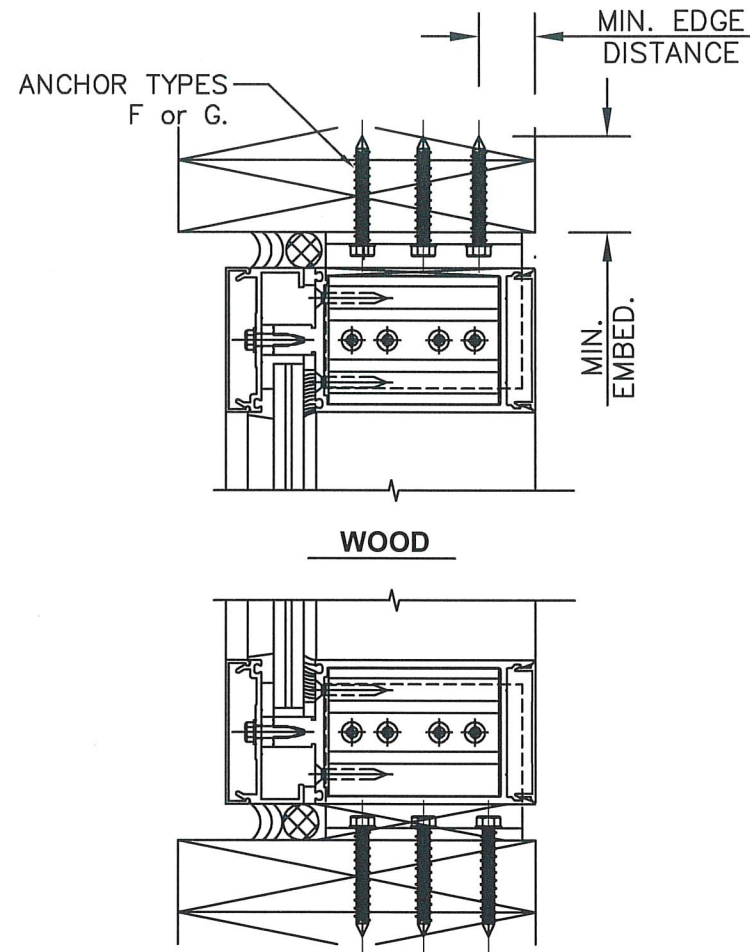
DWG:
1600-3IR-LVLE

SECTION:
6

SHEET:
6/8

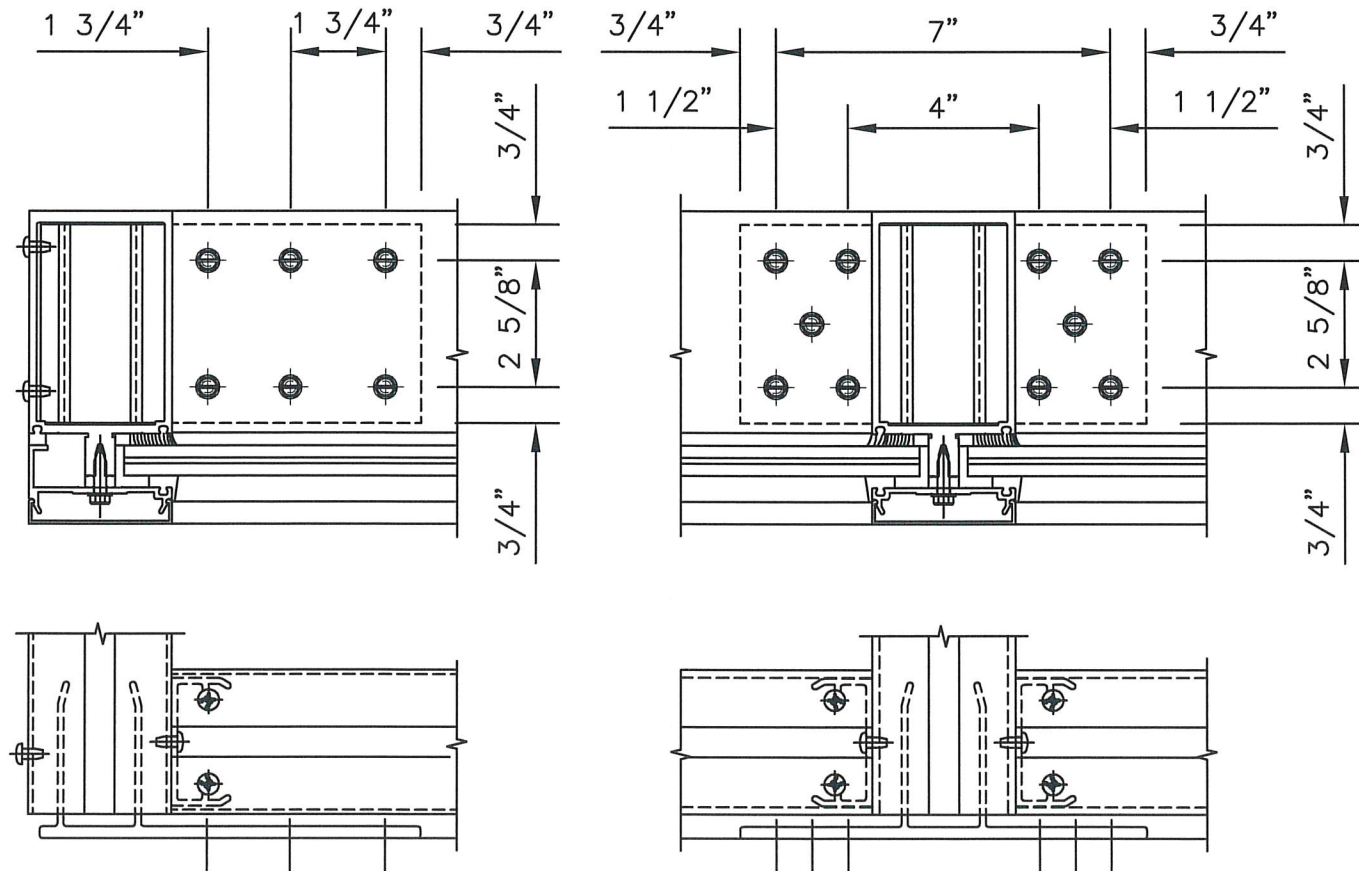
REV.#	DATE
12/18/20	
1ST SUBMITTAL	
PRINTS ISSUED FOR	

HEAD/SILL ANCHOR DETAILS



HEAD/SILL ANCHORS						
SUBSTRATE	MARK	TYPE	QUANTITY		MIN EMBED (in)	MIN EDGE DISTANCE (in)
			MULLION	JAMB		
STRUCTURAL STEEL (1/4", A36 min)	A	5/16" DIA. F-TYPE SCREW (Fu= 120 ksi min)	6	4	FULL*	1"
	B	5/16" DIA. ELCO DRIL-FLEX	6	4	FULL*	1"
CONCRETE (4000 psi min)	C	3/8" DIA. POWERS WEDGE BOLT	4	4	3 1/2"	4 1/2"
	D	3/8" DIA. DEWALT SCREW-BOLT+	4	4	3 1/2"	4 1/2"
	E	3/8" DIA. SIMPSON-STRONG TIE TITAN HD	4	4	3 1/2"	4 1/2"
WOOD (3", S.G.=0.5 min)	F	5/16" DIA. ELCO ULTRACON	10	6	2"	1 1/2"
	G	#14 WOOD SCREW (Fu= 120 ksi min)	10	6	2"	1 1/2"

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

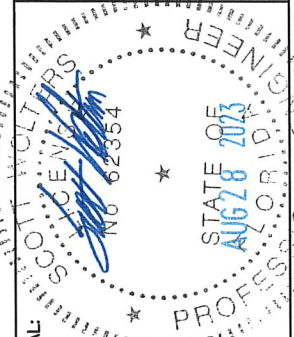


REV.#	DATE
1	12/18/20
2	
3	
4	
5	
6	
7	
8	
9	
10	

KAWNEER
AN ARCONIC COMPANY

PH: (770) 449-5555
WWW.KAWNEER.COM

555 GUTHRIDGE COURT
NORCROSS, GA 30092



SEAL:
SCOTT WALTERS
FL PE# 62354

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

PRODUCT:
**1600 WALL SYS 1
3" LEVEL E**

DWG:
1600-3IR-LVLE

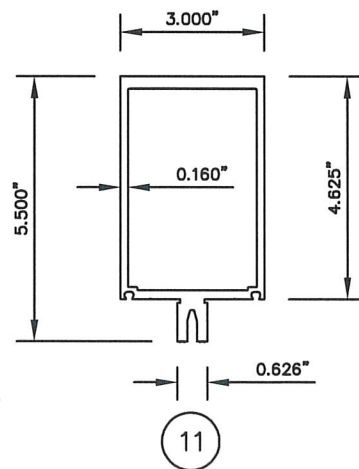
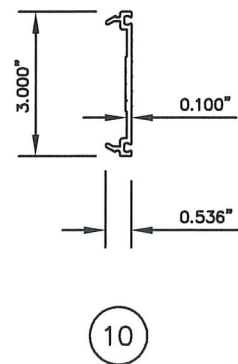
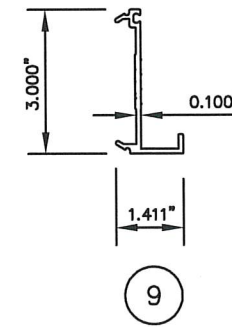
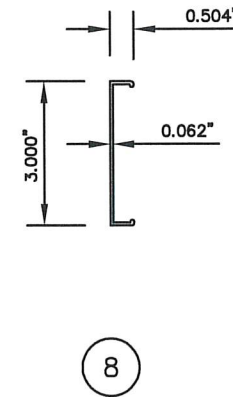
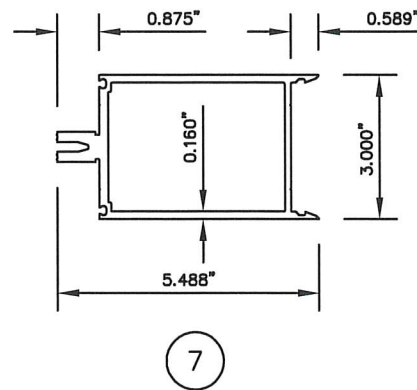
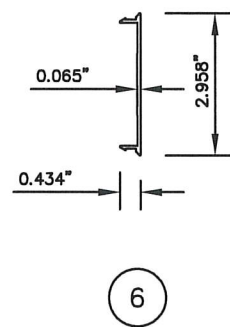
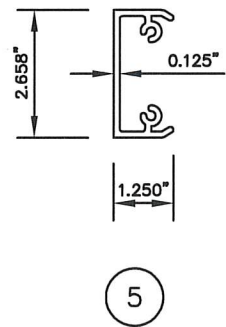
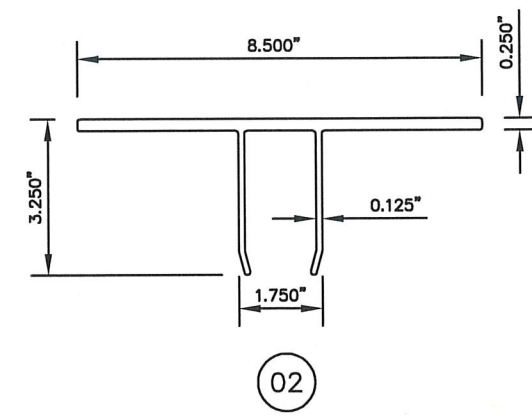
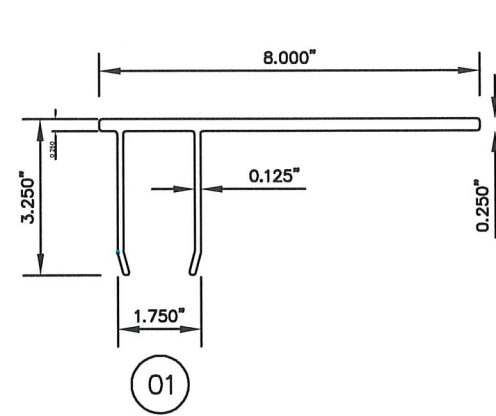
SECTION:
6

SHEET:
7/8

BILL OF MATERIALS

EXTRUSION PROFILES

BILL OF MATERIALS			
NO.	PART NO.	DESCRIPTION	MATERIAL
01	833141	"F" ANCHOR	6063 T6 ALUMINUM
02	833142	"T" ANCHOR	6063 T6 ALUMINUM
03	128284	#12 x 1 1/2" AB FHTF SCREW	400 SERIES STAINLESS STEEL
04	128396	#12 x 7/16" B PHTF SCREW	300 SERIES STAINLESS STEEL
05	833140	SHEAR BLOCK	6063 T6 ALUMINUM
06	809752	FILLER	6063 T6 ALUMINUM
07	833136	CUSTOM HORIZONTAL	6063 T6 ALUMINUM
08	813879	3" COVER	6063 T6 ALUMINUM
09	833139	3" PERIMETER PRESSURE PLATE	6063 T6 ALUMINUM
10	808074	3" PRESSURE PLATE	6063 T6 ALUMINUM
11	808074	CUSTOM MULLION	6063 T6 ALUMINUM
12	965648	CHANNEL	6063 T6 ALUMINUM
13	027933	PERIMETER GASKET	SHORE "A" 70±5 DUROMETER EPDM

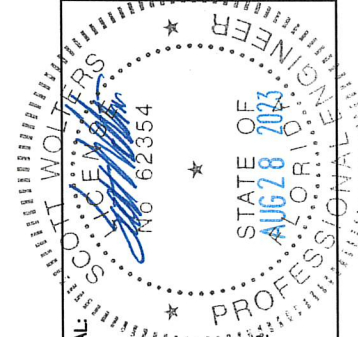


REV.#	DATE
1	12/18/20
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

KAWNEER
AN ARCONIC COMPANY

PH: (770) 449-5555
WWW.KAWNEER.COM

555 GUTHRIDGE COURT
NORCROSS, GA 30092



SEAL:
SCOTT WALTERS
FL PE# 62354

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

PRODUCT:
**1600 WALL SYS 1
3" LEVEL E**

DWG:
1600-3IR-LVLE

SECTION:
7

SHEET:
8/8