

GENERAL NOTES:

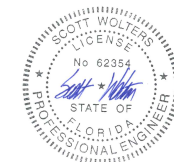
1. THIS PRODUCT MEETS ALL THE REQUIREMENTS OF THE 9TH EDITION (2026) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
2. THIS SYSTEM HAS BEEN TESTED PER TAS 201, 202, 203, ASTM 1886, AND ASTM 1996 FOR LEVEL E LARGE AND SMALL MISSILE IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
3. DESIGN LOADS MUST BE CALCULATED BY A PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT. THE DESIGN PRESSURE CANNOT EXCEED THE PRESSURES LISTED FOR EACH COMPONENT OF THIS SYSTEM.
4. WOOD BUCKS 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 CHART IN SECTION 5 IS BASED ON TESTED PRESSURES AND ASTM E1300-16.
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:

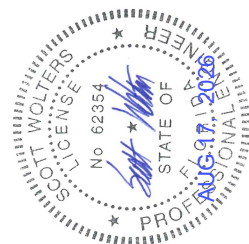
GLASS.....	SEE CHART IN SECTION 05 FOR ALLOWABLE GLASS TYPES, SIZES AND DESIGN PRESSURES.
MULLIONS.....	SEE CHART ON SHEET 4 FOR ALLOWABLE MULLION HEIGHTS AND SPACING.
JAMBS.....	SEE CHART ON SHEET 4 FOR ALLOWABLE JAMB HEIGHTS AND SPACING.
ANCHORS.....	SEE SECTION 06 FOR ANCHOR CHART AND ANCHOR SPACING DETAILS.
SYSTEM.....	THE DESIGN PRESSURE OF THE ENTIRE SYSTEM IS THE LOWEST ALLOWABLE DESIGN PRESSURE OF THE COMPONENTS ABOVE.

DESIGN PRESSURE
+100 / -123 Psf

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07	HEAD/SILL ANCHOR DETAILS (WOOD) & ANCHOR CHART
08	SECTION 7 – BILL OF MATERIALS / EXTRUSION PROFILES



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by Scott Wolters
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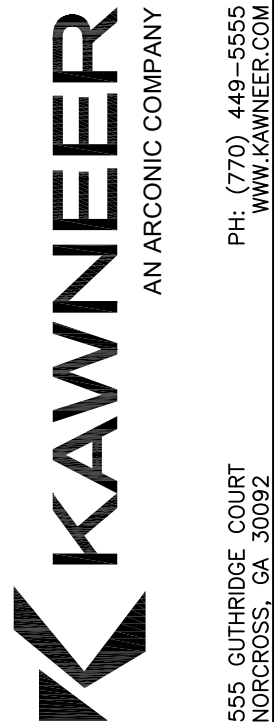


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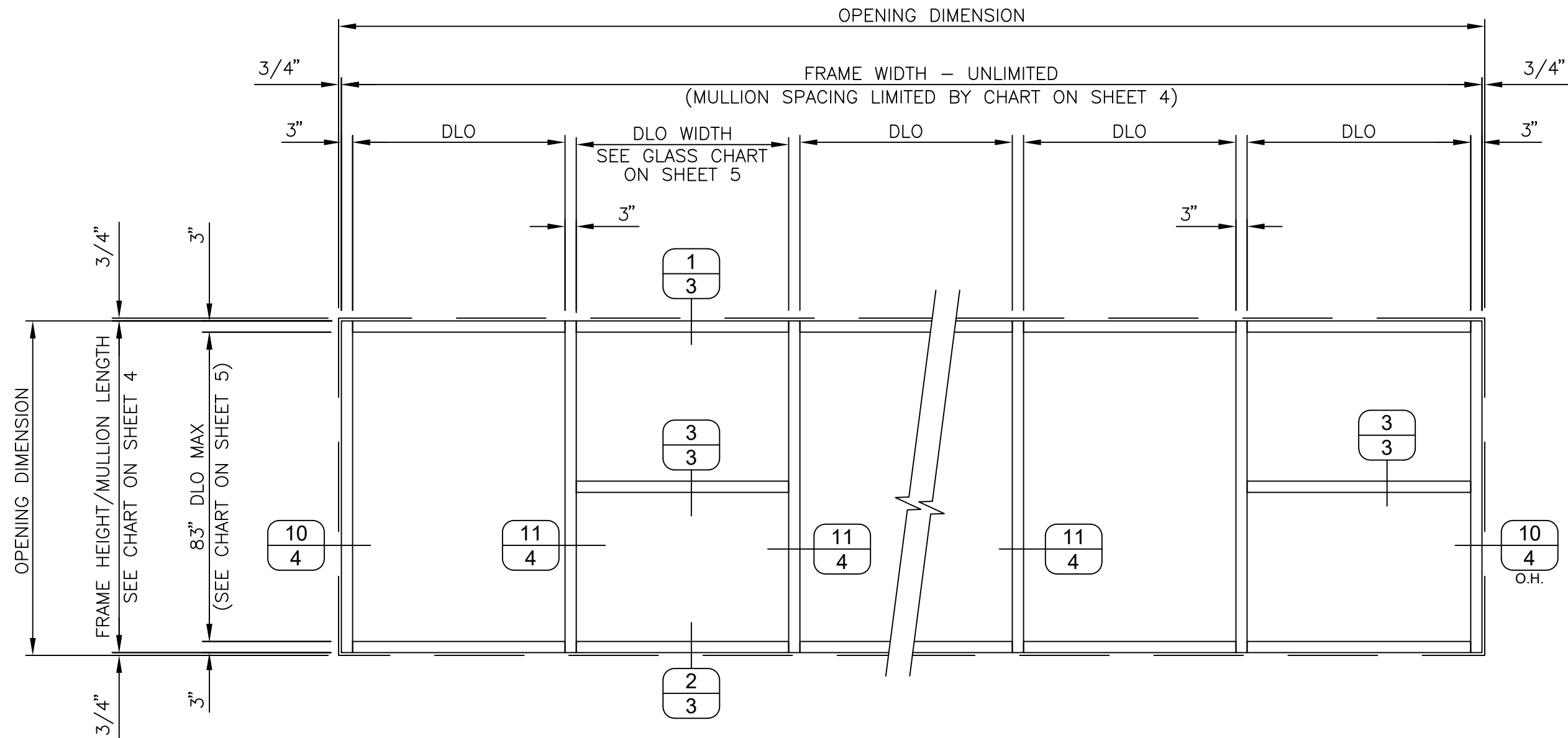
SCOTT WOLTERS
FL PE# 62354

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

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



ELEVATION



EXTERIOR VIEW
(NOT TO SCALE)

DESIGN PRESSURE

+100 / -123 Psf

PRODUCT: 1600 WALL SYS 1 3" LEVEL E
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DWG:	1600-3IR-LVLE
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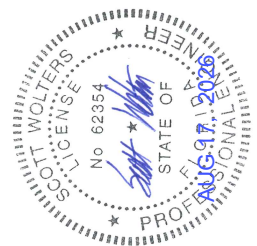
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SHEET:	2/8
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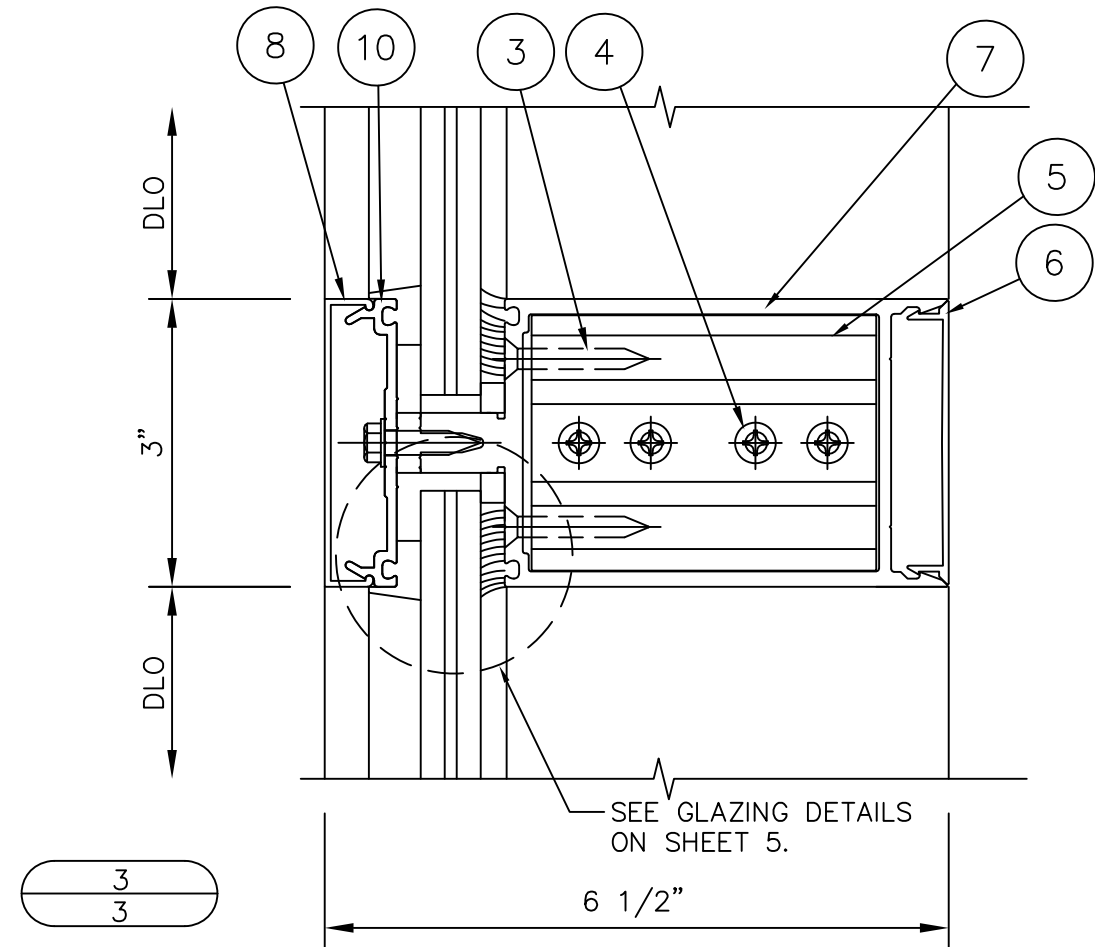
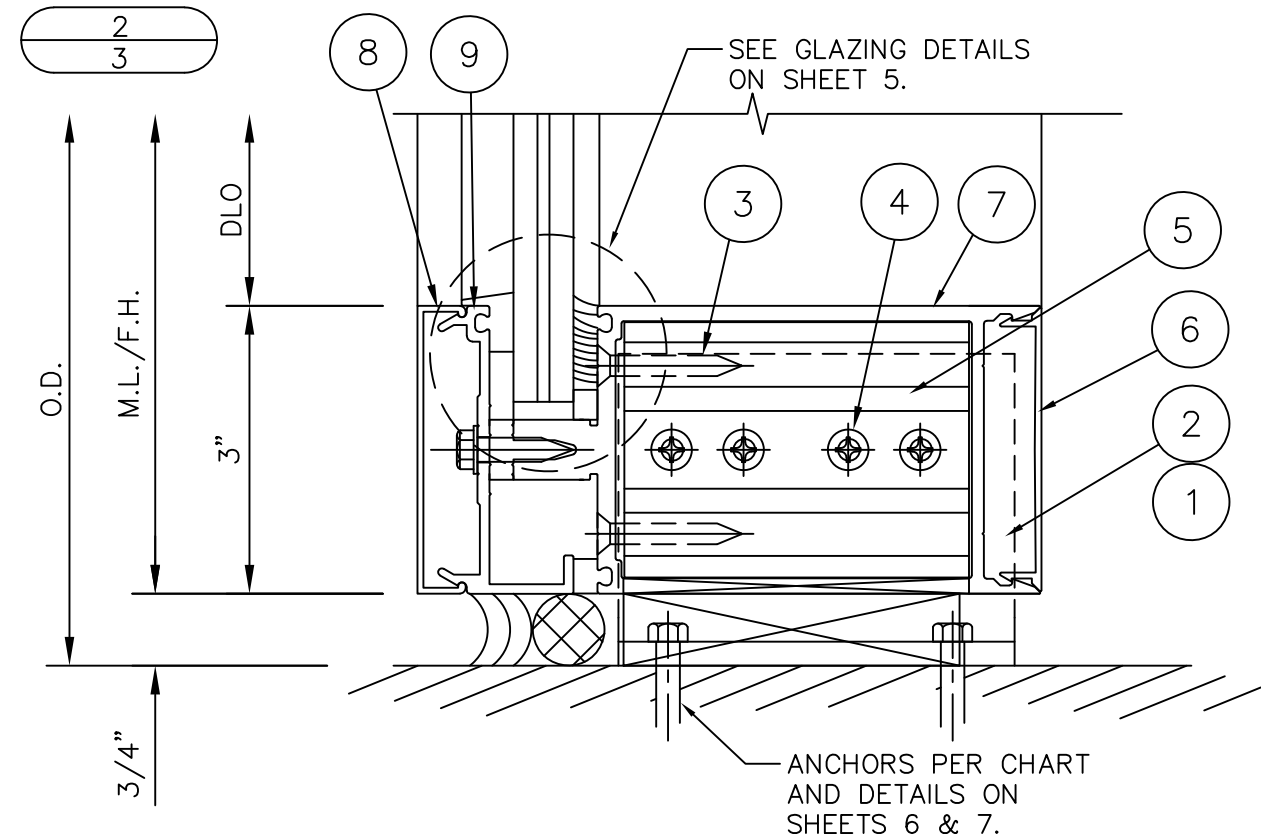
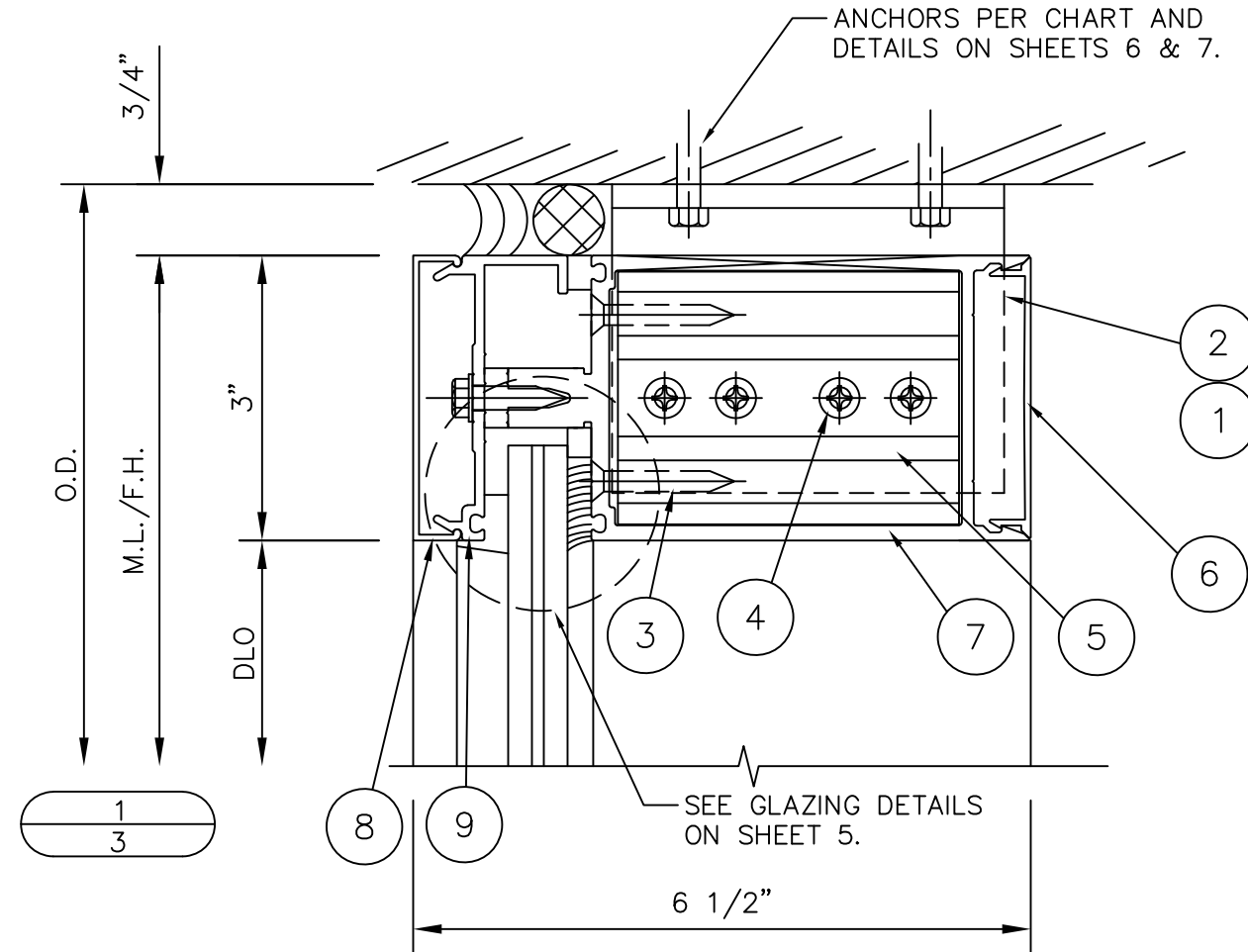
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555 GUTHRIDGE COURT
NORCROSS, GA 30092

PH: (770) 449-5555
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HORIZONTAL DETAILS



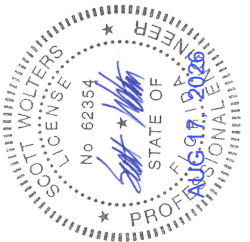
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PRODUCT:	1600 WALL SYS	1
	3" LEVEL E	

DWG: 1600-3IR-LVLE

SECTION:	3
SHEET:	3/8



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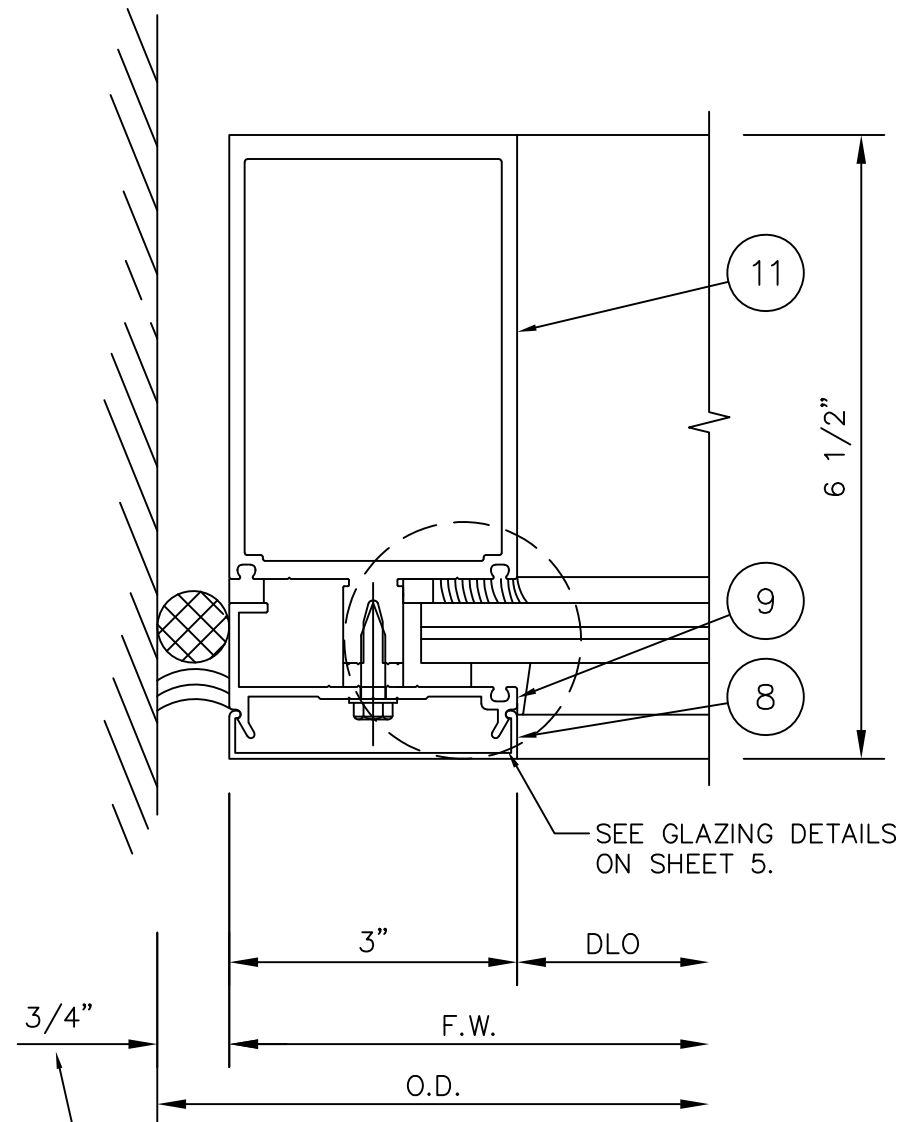
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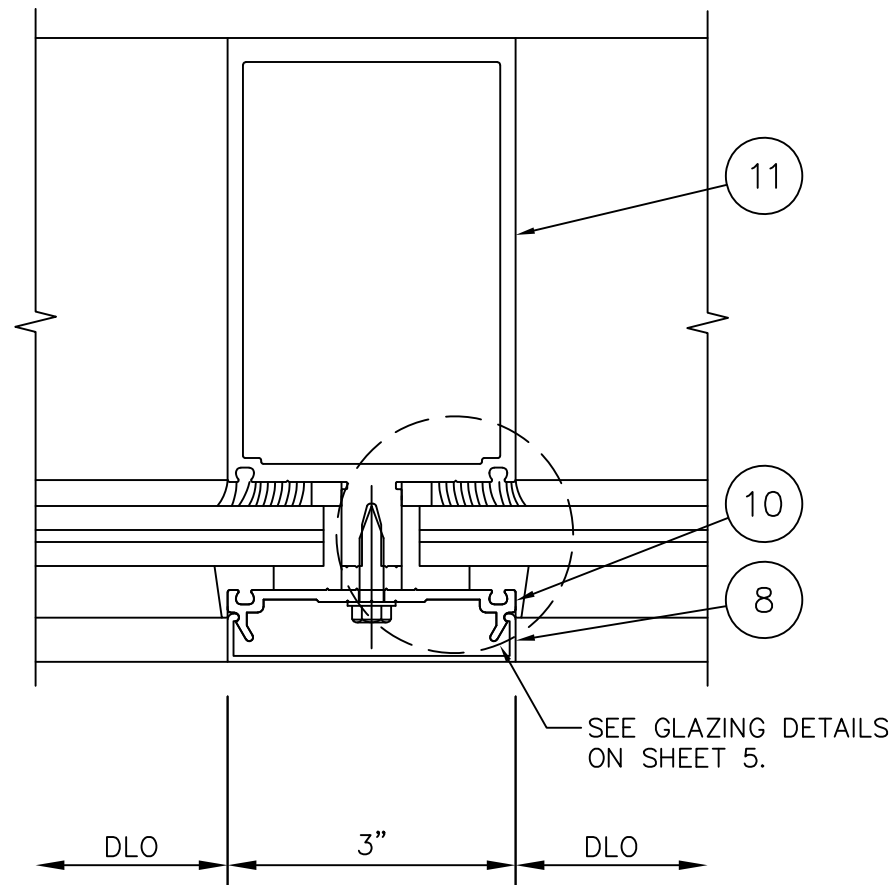
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VERTICAL DETAILS



- SEE GLAZING DETAILS
ON SHEET 5.



- SEE GLAZING DETAILS
ON SHEET 5.

MULLION CHART					
		MAX DESIGN PRESSURE (psf)			
		MULLION		JAMB	
HEIGHT (in)	WIDTH (in)	M1 (+)	(-)	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

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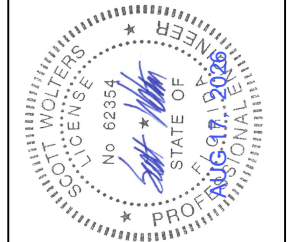
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

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

DWG:	1600-3IR-LVLE
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SECTION:	2
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SHEET:	4 / 8
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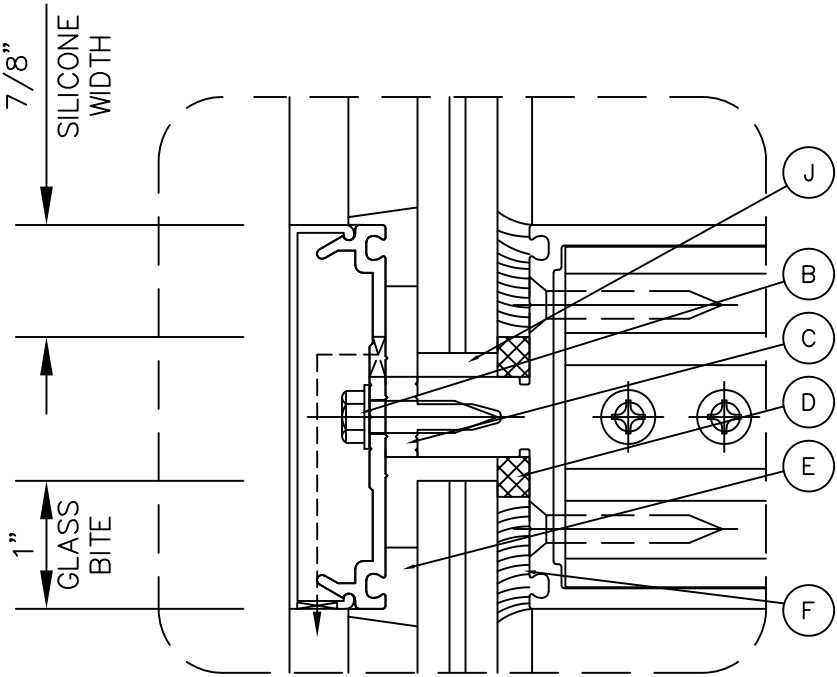
LEVEL E LARGE AND
SMALL MISSILE GLAZING

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 SS HWHTF (3" O.C.)
- C

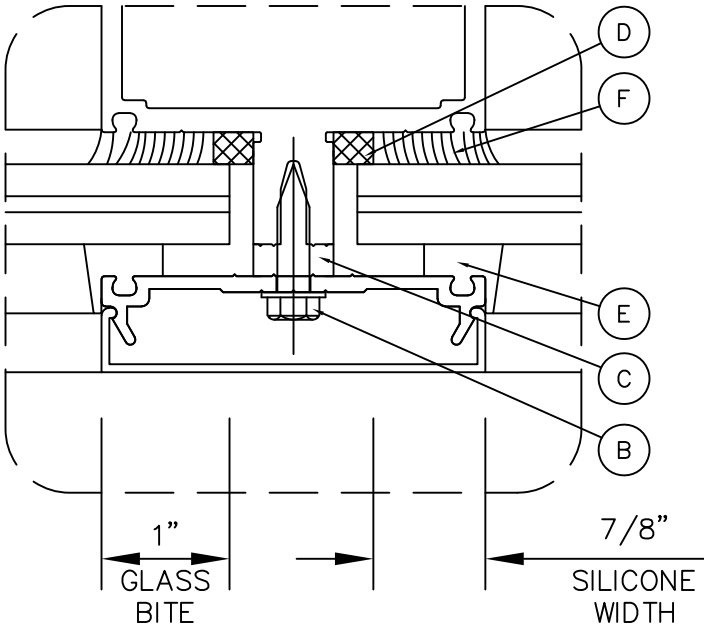
162-310 THERMAL SEPARATOR
(SHORE "A" 70±5 DUROMETER EPDM)
- D

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 SS HWHTF (3" O.C.)
- C

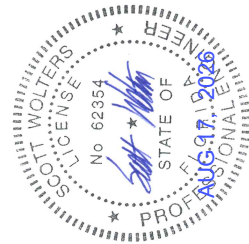
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(SHORE "A" 70±5 DUROMETER EPDM)
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FOAM TAPE
- E

027-850 FIXED GASKET
(SHORE "A" 60±5 DUROMETER EPDM)
- F

DOW CORNING 995 SILICONE SEALANT (NBK)

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FL PE# 62354

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15211 97TH ROAD N
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PH/FAX: (561) 225-1982

PRODUCT:
1600 WALL SYS 1
3" LEVEL E

DWG:
1600-3IR-LVLE

SECTION:
5

SHEET:
5/8

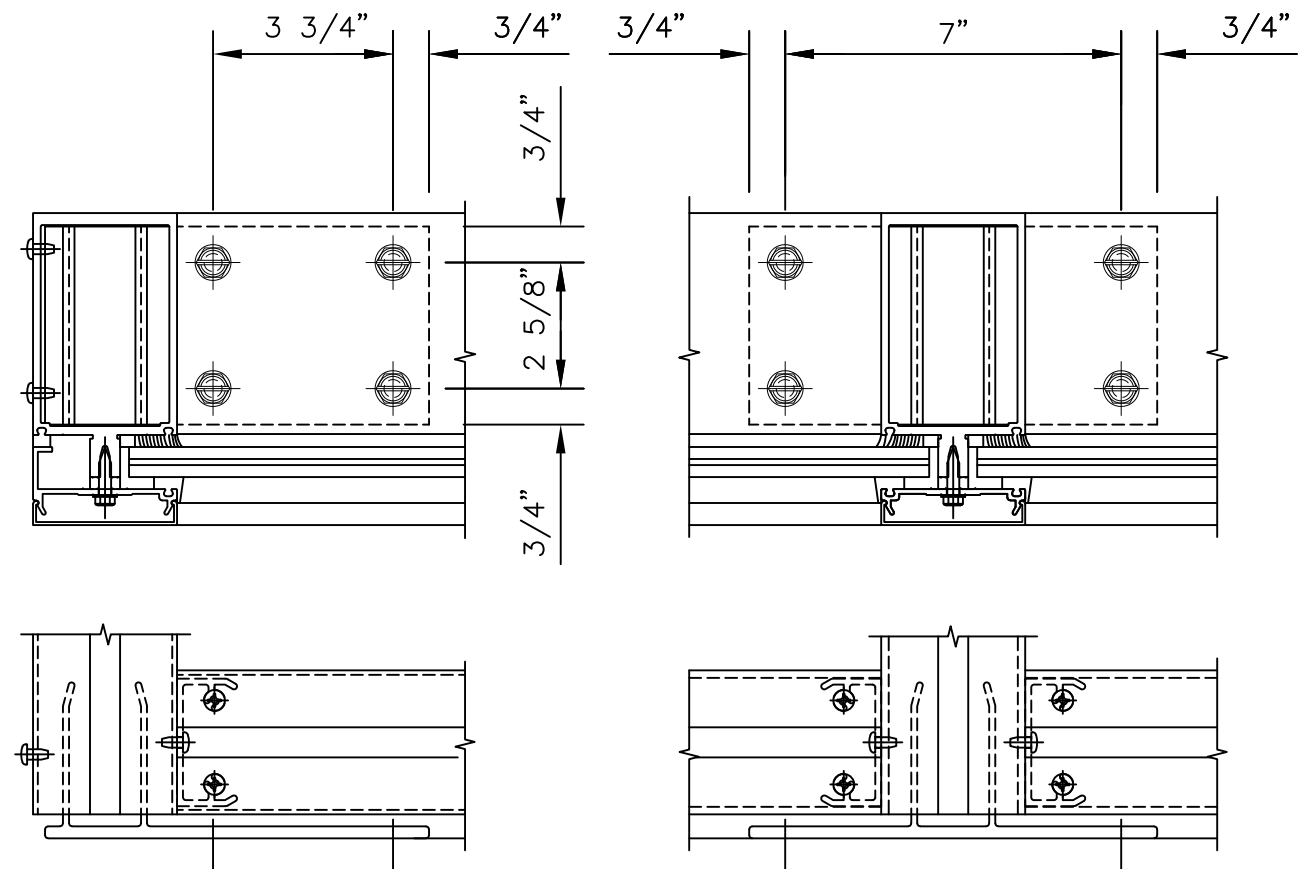
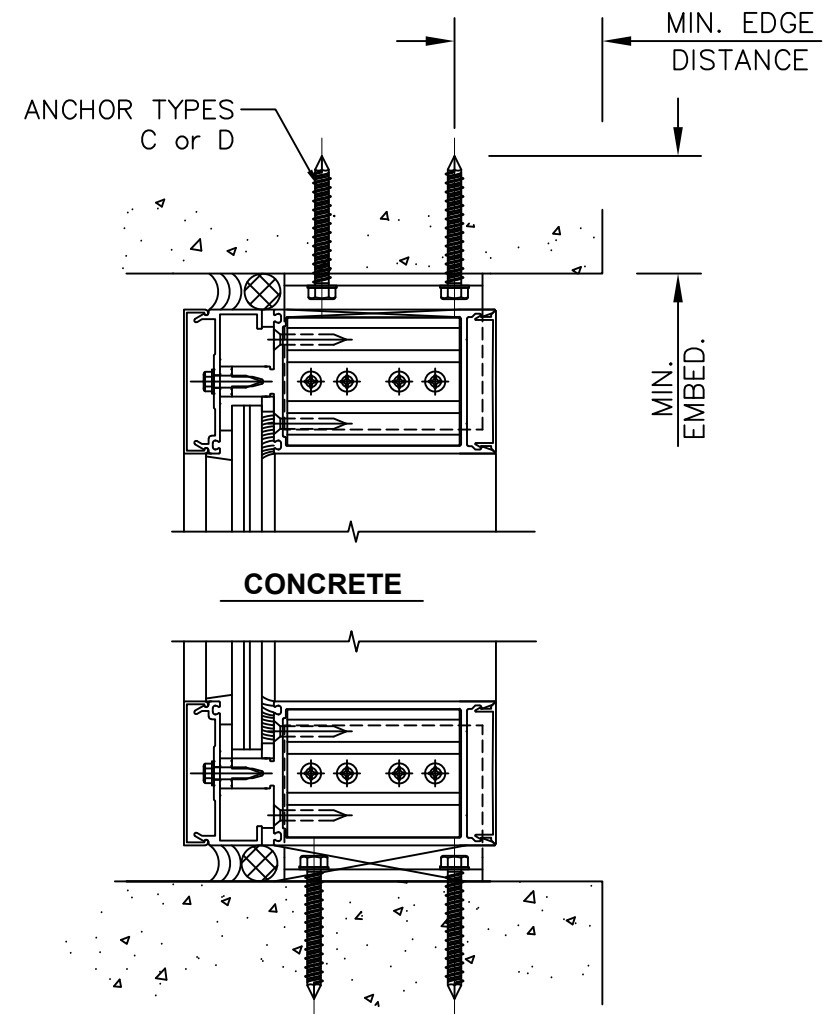
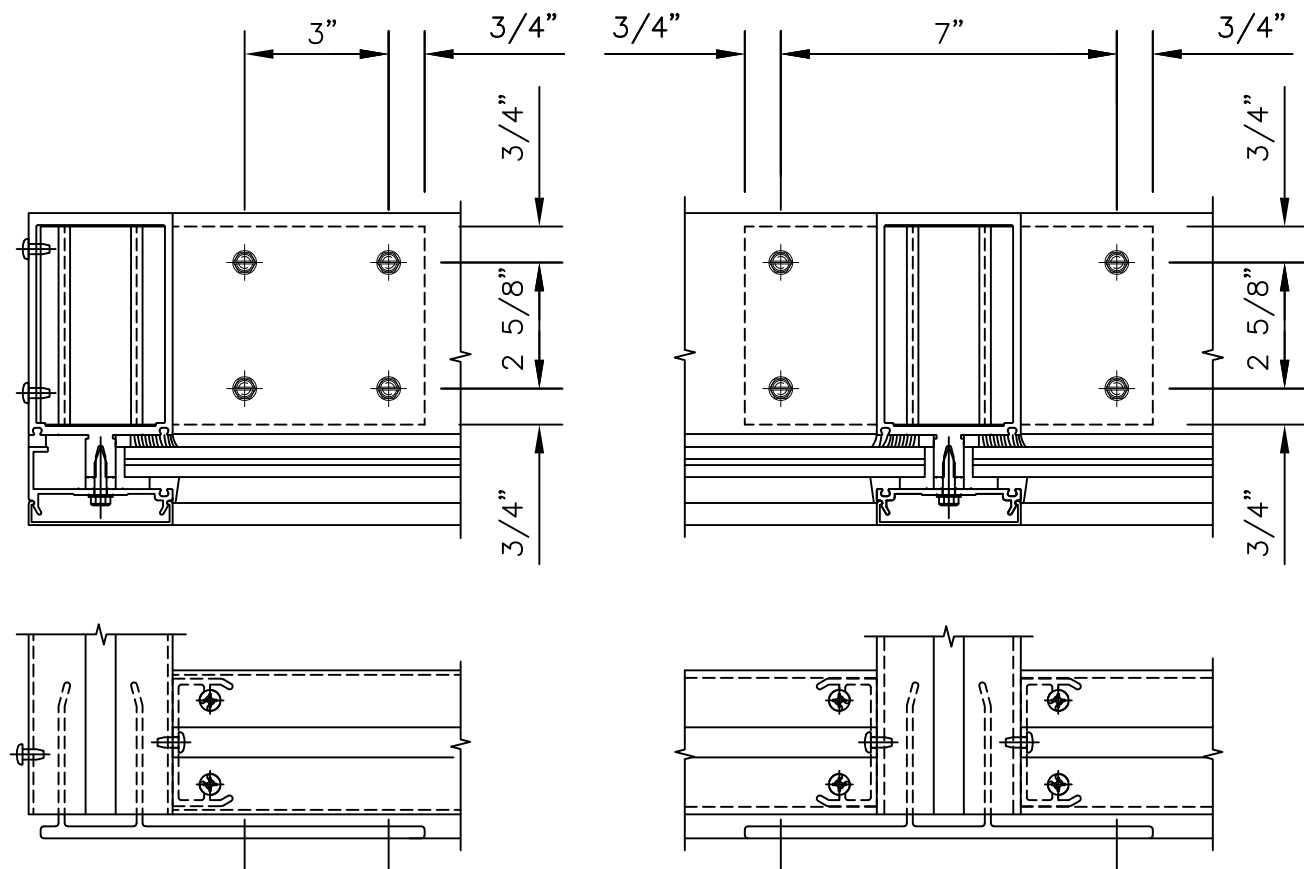
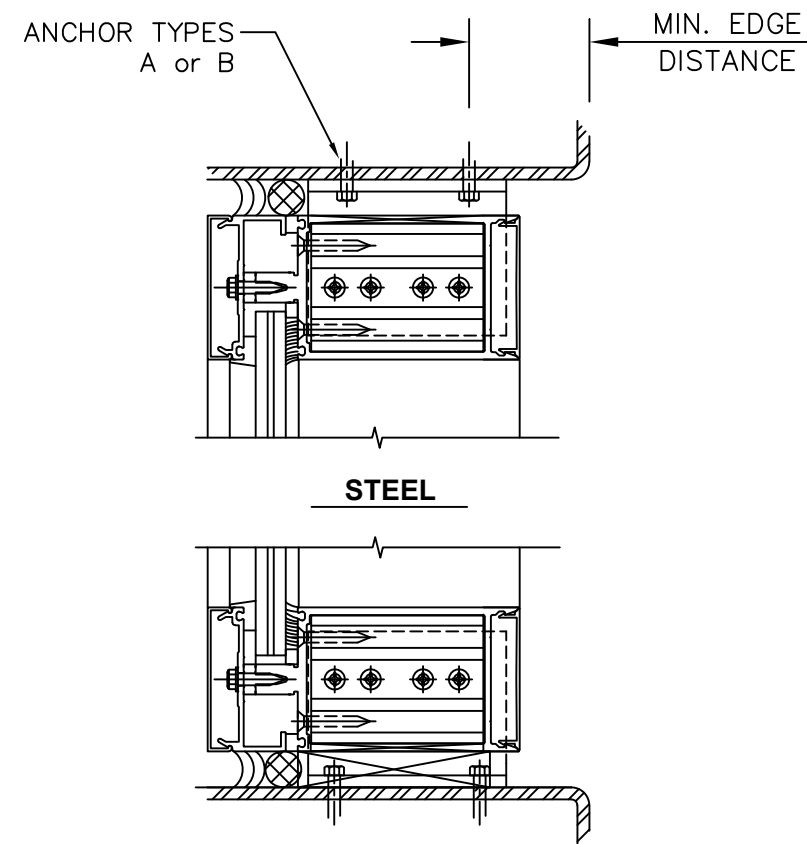
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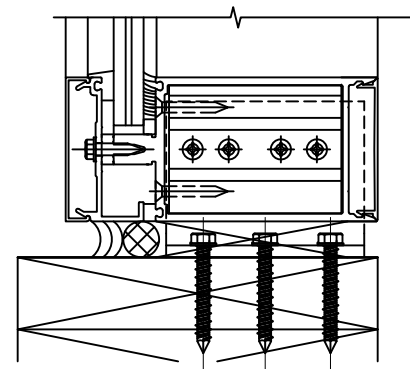
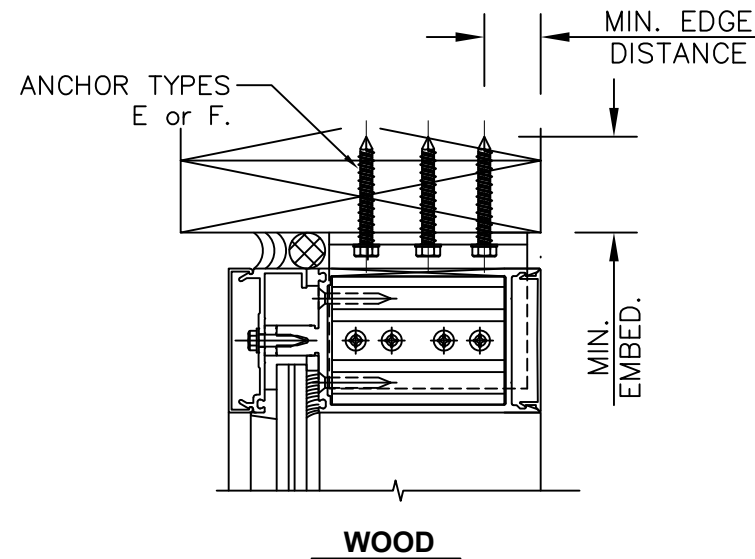
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HEAD/SILL ANCHOR DETAILS

SEE ANCHOR CHART ON SHEET 8.

[illegible]

HEAD/SILL ANCHOR DETAILS



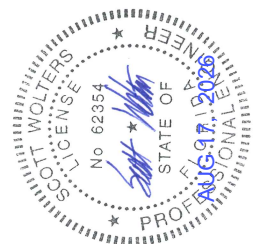
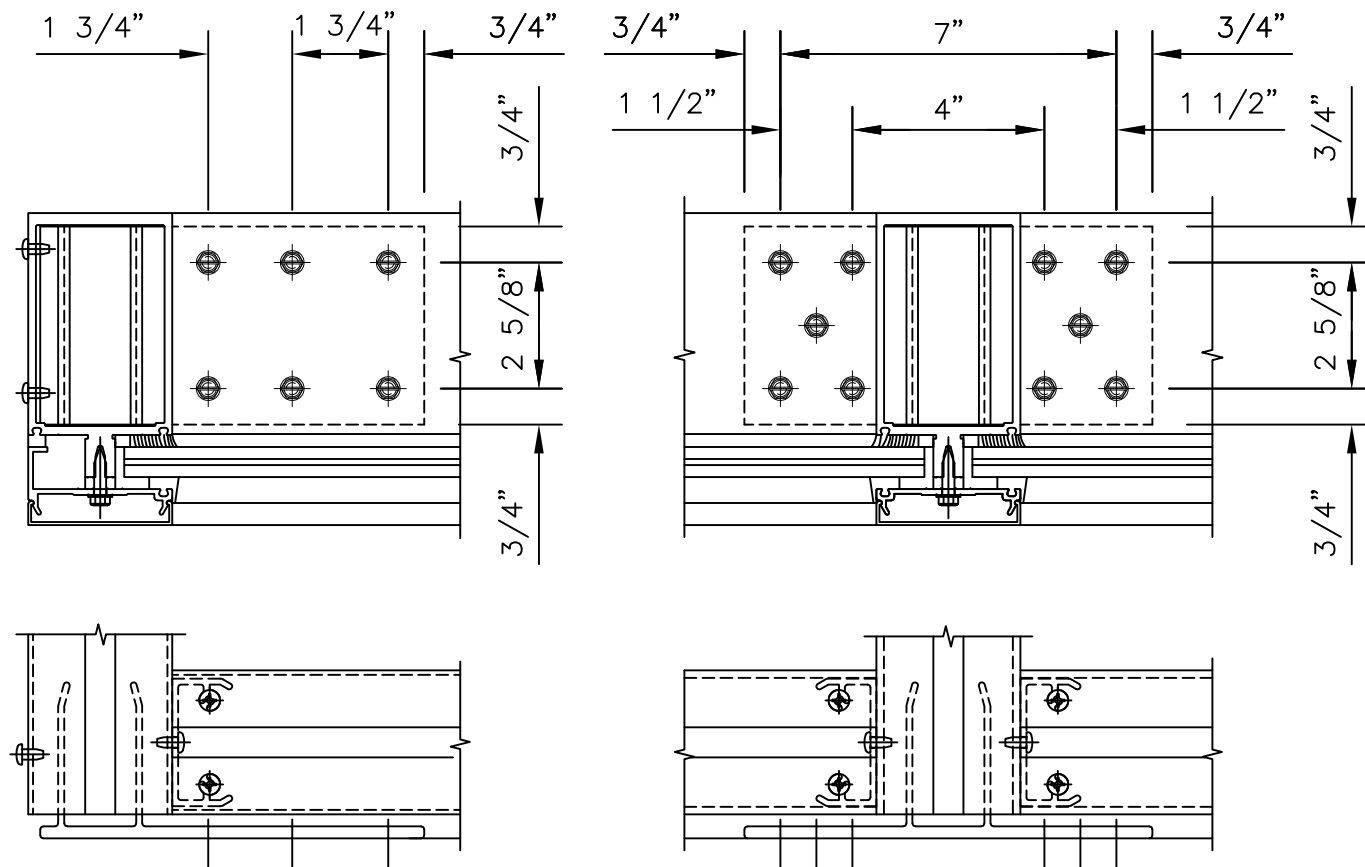
HEAD/SILL ANCHORS						
SUBSTRATE	MARK	TYPE	QUANTITY		MIN EMBED (in)	MIN EDGE DISTANCE (in)
			MULLION	JAMB		
STRUCTURAL STEEL (1/4", A36 min)	A	5/16" DIA. F-TYPE SCREW ¹ (Fu=120 ksi min)	6	4	FULL*	1"
	B	5/16" DIA. DEWALT DRIL-FLEX	6	4	FULL*	1"
CONCRETE (4000 psi min)	C	3/8" DIA. DEWALT SCREW-BOLT+ ²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

CORROSION RESISTANCE NOTES:

WITHIN 3000 ft OF A SALTWATER COASTLINE:

1. FASTENERS MUST BE EITHER:
 - A. GALVANIZED TO MEET ASTM A153, CLASS C.
 - B. GALVANIZED TO MEET ASTM A641 CLASS 3S.
 - C. COATED TO EXHIBIT <5% RED RUST AFTER 1000 HOURS OF EXPOSURE PER ASTM B117
 - D. 300 SERIES STAINLESS STEEL (Fu=100 ksi min).
2. USE MECHANICALLY GALVANIZED OR STAINLESS STEEL SIMPSON STRONG-TIE TITAN HD.



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WEST PALM BEACH, FL 33412
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PRODUCT: 1600 WALL SYS 1 3" LEVEL E
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DWG:	1600-3IR-LVLE
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SECTION:	6
SHEET:	7/8



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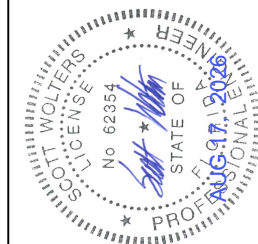
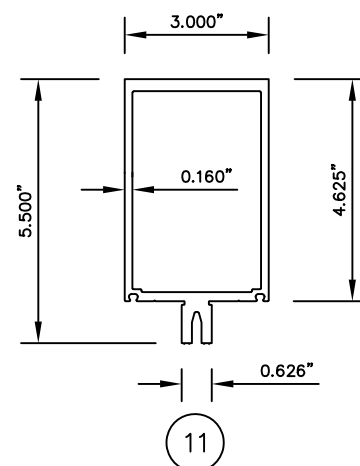
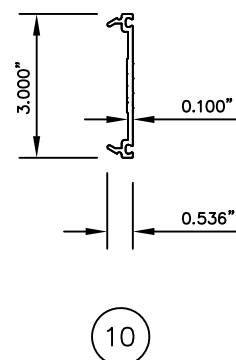
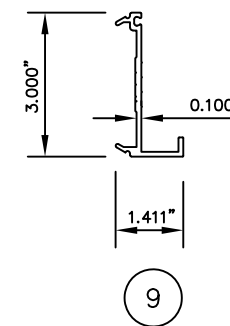
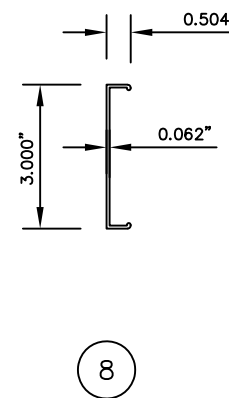
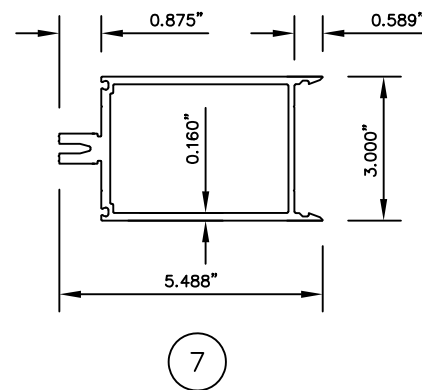
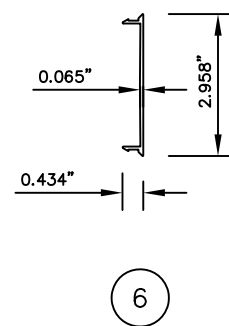
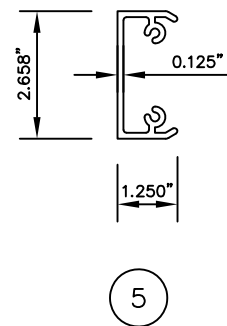
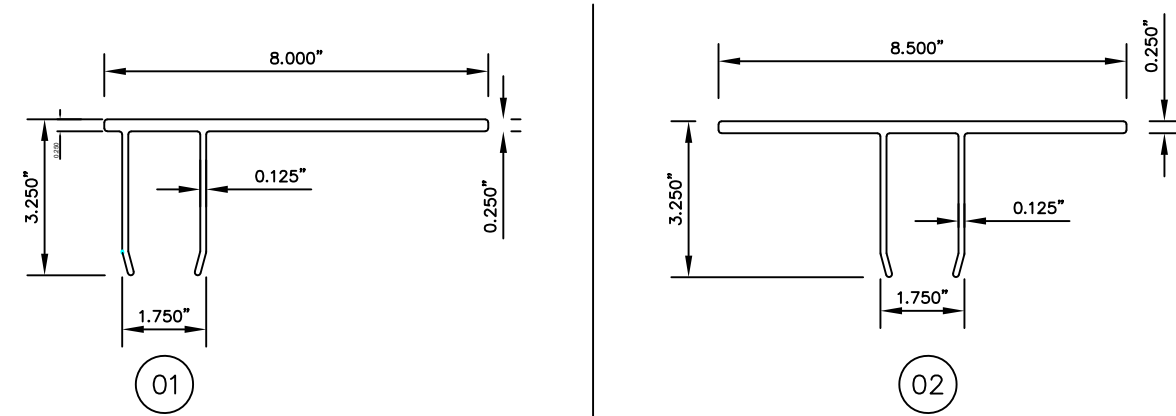
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CODE UPDATE	2	8/17/26	
1ST SUBMITTAL	-	12/18/20	
PRINTS ISSUED FOR	REV.#	DATE	

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



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DWG:	1600-3IR-LVLE
SECTION:	7
SHEET:	8/8

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