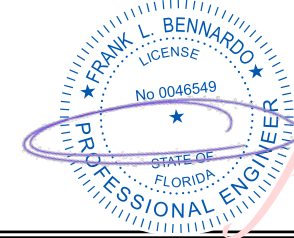
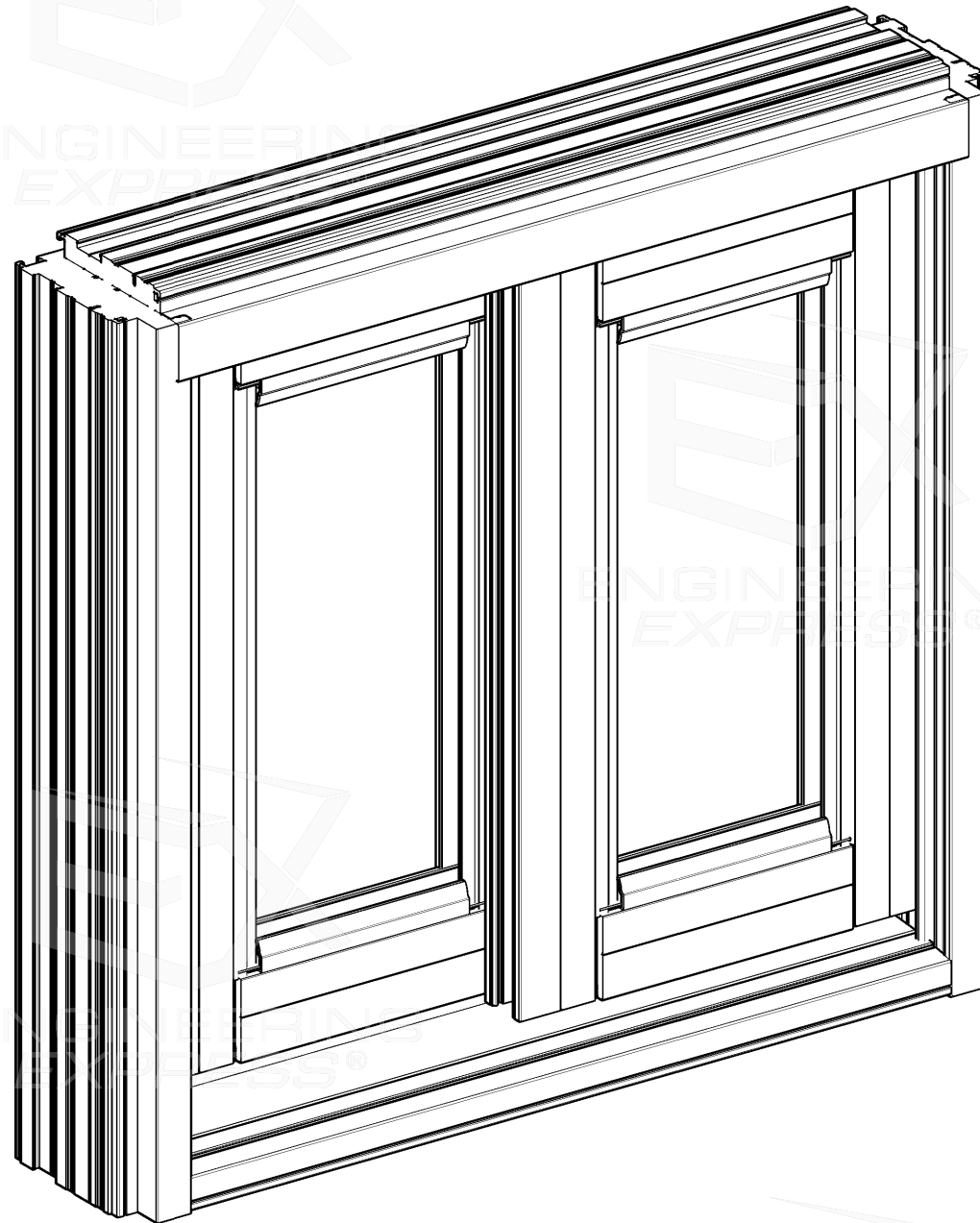


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FRANK BENNARDO, PE
PE# 46549 CA# 9885



FL 36955.1



THIS IS A NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID **IN FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE AT **ENGINEERINGEXPRESS.COM/QUOTE** FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE FLORIDA.

1. THE SYSTEM AND GLASS TYPES DESCRIBED HEREIN COMPLY AND HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) PER
 - a. ASTM E 283, ASTM E 330
 - b. AAMA/WDMA/CSA 101/1.S.2/A440
2. FOR USE **OUTSIDE** THE HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).
3. GLASS UNIT(S) SHALL MEET THE REQUIREMENTS OF ASTM E-1300.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
8. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
9. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
10. ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
11. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
12. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
13. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
14. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
15. IF SLOPED GLAZING IS NEEDED, IT SHALL BE ALLOWED UNDER SITE SPECIFIC ENGINEERING. DESIGN MUST BE CHECKED AND APPROVED BY A PROFESSIONAL ENGINEER AND THE MANUFACTURER(S).
16. UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.

SHEET #	DESCRIPTION
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1	COVER & DESIGN CRITERIA
2-4	ELEVATIONS
5-7	GLASS TYPE & PANEL LOADING TABLES
8-10	ANCHOR CHARTS AND FASTENER SCHEDULE
11-16	STANDARD FRAMING DETAILS
17	PART LIST
18	BILL OF MATERIALS

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HOLBROOK, NY 11741

PH: (631) 563-4000

SERIES S-7500 PVC SLIDING PATIO DOOR

FLORIDA BUILDING CODE EIGHTH EDITION (2023)

FLORIDA STATEWIDE APPROVAL (FSA FL#36955.1)

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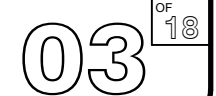
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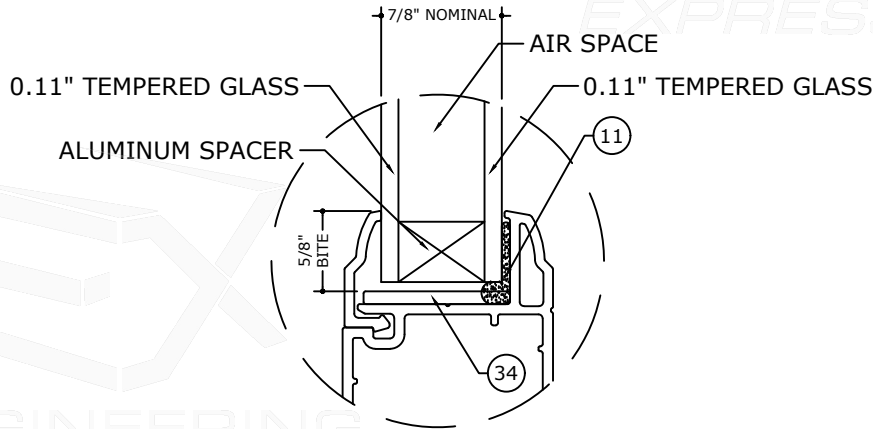


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GLASS TYPES

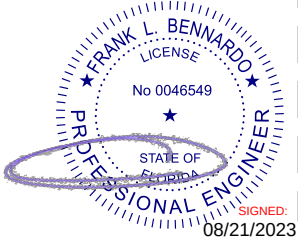
NOTE: GLASS SIZE = DLO + 1-1/4"



GLASS TYPE G1

GLAZING DETAIL
N.T.S.

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FBC 2023 UPDATE	SQ	RS	07/12/23

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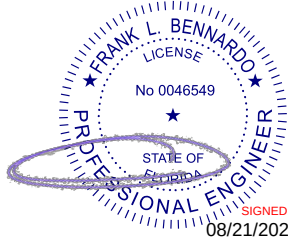
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PANEL LOADING TABLES (OX - XO)

GLASS TYPE			
		ALLOWABLE PRESSURE	
PANEL HEIGHT (in)	PANEL WIDTH (in)	(+) P.S.F	(-) P.S.F
77.50	24	55	77
	30	55	64
	32	55	61
	34	55	59
	36	-	-
	42	-	-
	48	-	-
80	24	55	74
	30	55	62
	32	55	59
	34	53	56
	36	-	-
	42	-	-
	48	-	-
82	24	55	72
	30	55	60
	32	52	57
	34	49	55
	36	-	-
	42	-	-
	48	-	-
84	24	55	70
	30	51	57
	32	48	54
	34	-	-
	36	-	-
	42	-	-
	48	-	-
90	24	51	57
	30	41	46
	32	-	-
	34	-	-
	36	-	-
	42	-	-
	48	-	-
96	24	41	46
	30	-	-
	32	-	-
	34	-	-
	36	-	-
	42	-	-
	48	-	-

NOTE: PANEL AREA NOT TO EXCEED 19.20 SQ. FT.

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PE# 46549 CA# 9885



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PANEL LOADING TABLES (OX - XO - OXO - OXXO)

FRANK BENNARDO, PE
PE# 46549 CA# 9885

FL

GLASS TYPE		G1	
		ALLOWABLE PRESSURE	
PANEL HEIGHT (in)	PANEL WIDTH (in)	(+) P.S.F	(-) P.S.F
77.50	24	40	60
	30	40	57
	32	40	54
	34	40	52
	36	40	50
	42	40	45
	48	-	-
80	24	40	60
	30	40	55
	32	40	52
	34	40	50
	36	40	48
	42	-	-
	48	-	-
84	24	40	60
	30	40	51
	32	40	49
	34	40	47
	36	40	45
	42	-	-
	48	-	-
90	24	40	57
	30	40	47
	32	40	45
	34	40	43
	36	40	41
	42	-	-
	48	-	-
96	24	40	53
	30	40	44
	32	40	41
	34	40	40
	36	-	-
	42	-	-
	48	-	-
102	24	40	46
	30	39	37
	32	37	35
	34	-	-
	36	-	-
	42	-	-
	48	-	-

GLASS TYPE		G1	
		ALLOWABLE PRESSURE	
PANEL HEIGHT (in)	PANEL WIDTH (in)	(+) P.S.F	(-) P.S.F
108	24	40	39
	30	33	31
	32	-	-
	34	-	-
	36	-	-
	42	-	-
	48	-	-
114	24	34	33
	30	-	-
	32	-	-
	34	-	-
	36	-	-
	42	-	-
	48	-	-
120	24	29	28
	30	-	-
	32	-	-
	34	-	-
	36	-	-
	42	-	-
	48	-	-

NOTE: PANEL AREA NOT TO EXCEED 22.57 SQ. FT.

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FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#36955.1)

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FBC 2023 UPDATE	SQ	RS	07/12/23

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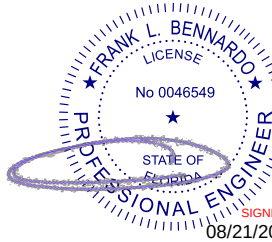
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FASTENER SCHEDULE

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FBC 2023 UPDATE	SQ	RJS	07/12/23
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	"	"	"
	"	"	"

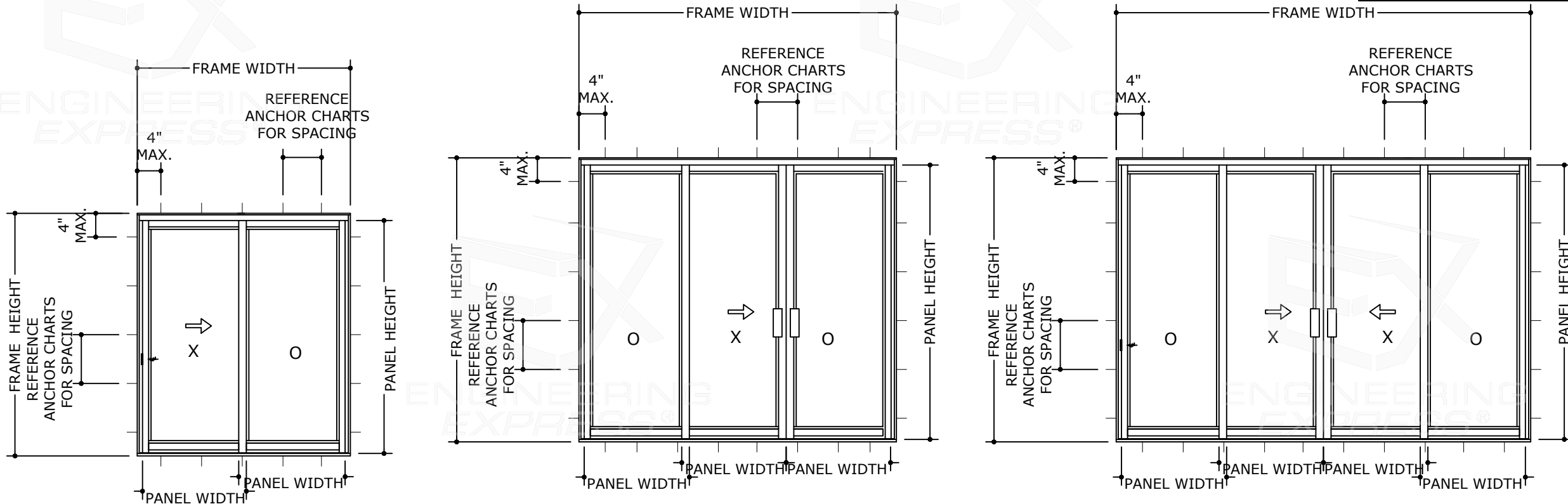
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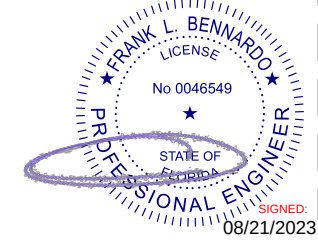


ANCHOR SCHEDULE

ANCHOR SCHEDULE						
ANCHOR TYPE	ANCHOR DIAMETER	TYPE	MANUFACTURER	SUBSTRATE	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)
A	3/16"	ULTRACON ANCHOR	DEWALT	POURED CONCRETE 3000 PSI MIN.	1-3/4	2-1/2
B	#8-18	SELF DRILLING SCREW GRADE 5	-	1/8" STEEL-A 36 MIN.	FULL - 3 PITCHES PAST THE THREAD PLANE	1-1/2
				1/8" ALUMINUM-6063-T6		
C	#8	WOOD SCREW	-	2X WOOD BUCK G=0.55	1-1/2	1-1/2

ANCHOR CHARTS

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PE# 46549 CA# 9885



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FRAME HEIGHT (H)	TRIBUTARY (W)	TYPE A (CONCRETE)		TYPE B (METAL)		TYPE C (WOOD)	
		HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)
72	24	12"O.C.	36"O.C.	12"O.C.	36"O.C.	12"O.C.	36"O.C.
	30	15"O.C.	36"O.C.	15"O.C.	36"O.C.	15"O.C.	36"O.C.
	36	18"O.C.	36"O.C.	18"O.C.	36"O.C.	18"O.C.	24"O.C.
	42	21"O.C.	36"O.C.	21"O.C.	36"O.C.	14"O.C.	24"O.C.
	48	24"O.C.	36"O.C.	24"O.C.	36"O.C.	16"O.C.	24"O.C.
	54	27"O.C.	36"O.C.	18"O.C.	36"O.C.	18"O.C.	24"O.C.
	60	20"O.C.	18"O.C.	15"O.C.	14"O.C.	12"O.C.	12"O.C.
	63	16"O.C.	18"O.C.	16"O.C.	14"O.C.	13"O.C.	12"O.C.
	66	17"O.C.	18"O.C.	17"O.C.	14"O.C.	11"O.C.	12"O.C.
	75	19"O.C.	18"O.C.	15"O.C.	14"O.C.	13"O.C.	12"O.C.
75	24	12"O.C.	25"O.C.	12"O.C.	25"O.C.	12"O.C.	19"O.C.
	30	15"O.C.	25"O.C.	15"O.C.	25"O.C.	10"O.C.	19"O.C.
	36	18"O.C.	25"O.C.	12"O.C.	19"O.C.	12"O.C.	15"O.C.
	42	14"O.C.	19"O.C.	14"O.C.	19"O.C.	11"O.C.	15"O.C.
	48	16"O.C.	19"O.C.	16"O.C.	19"O.C.	12"O.C.	13"O.C.
	54	18"O.C.	19"O.C.	14"O.C.	15"O.C.	11"O.C.	13"O.C.
	60	15"O.C.	19"O.C.	15"O.C.	15"O.C.	12"O.C.	13"O.C.
	63	16"O.C.	19"O.C.	16"O.C.	15"O.C.	11"O.C.	13"O.C.
	66	17"O.C.	19"O.C.	17"O.C.	15"O.C.	11"O.C.	13"O.C.
	75	19"O.C.	19"O.C.	15"O.C.	15"O.C.	13"O.C.	13"O.C.
77.5	24	12"O.C.	26"O.C.	12"O.C.	26"O.C.	12"O.C.	20"O.C.
	30	15"O.C.	26"O.C.	15"O.C.	20"O.C.	10"O.C.	16"O.C.
	36	18"O.C.	26"O.C.	12"O.C.	20"O.C.	12"O.C.	16"O.C.
	42	14"O.C.	20"O.C.	14"O.C.	20"O.C.	11"O.C.	13"O.C.
	48	16"O.C.	20"O.C.	16"O.C.	16"O.C.	12"O.C.	13"O.C.
	54	18"O.C.	20"O.C.	14"O.C.	16"O.C.	11"O.C.	13"O.C.
	60	15"O.C.	20"O.C.	15"O.C.	16"O.C.	12"O.C.	11"O.C.
	63	16"O.C.	20"O.C.	16"O.C.	16"O.C.	11"O.C.	11"O.C.
	66	17"O.C.	16"O.C.	13"O.C.	16"O.C.	11"O.C.	11"O.C.
	75	19"O.C.	16"O.C.	15"O.C.	16"O.C.	11"O.C.	11"O.C.

FRAME HEIGHT (H)	TRIBUTARY (W)	TYPE A (CONCRETE)		TYPE B (METAL)		TYPE C (WOOD)	
		HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)
84	24	12"O.C.	28"O.C.	12"O.C.	28"O.C.	8"O.C.	21"O.C.
	30	15"O.C.	28"O.C.	10"O.C.	21"O.C.	10"O.C.	17"O.C.
	36	12"O.C.	21"O.C.	12"O.C.	21"O.C.	9"O.C.	14"O.C.
	42	14"O.C.	21"O.C.	14"O.C.	17"O.C.	11"O.C.	14"O.C.
	48	16"O.C.	21"O.C.	12"O.C.	17"O.C.	11"O.C.	12"O.C.
	54	14"O.C.	17"O.C.	14"O.C.	17"O.C.	11"O.C.	12"O.C.
	60	15"O.C.	17"O.C.	12"O.C.	14"O.C.	10"O.C.	12"O.C.
	63	16"O.C.	17"O.C.	13"O.C.	14"O.C.	11"O.C.	11"O.C.
	66	17"O.C.	17"O.C.	13"O.C.	14"O.C.	11"O.C.	11"O.C.
90	75	15"O.C.	17"O.C.	13"O.C.	14"O.C.	11"O.C.	11"O.C.
	24	12"O.C.	30"O.C.	12"O.C.	30"O.C.	8"O.C.	23"O.C.
	30	15"O.C.	23"O.C.	10"O.C.	23"O.C.	10"O.C.	18"O.C.
	36	12"O.C.	23"O.C.	12"O.C.	18"O.C.	9"O.C.	15"O.C.
	42	14"O.C.	23"O.C.	11"O.C.	18"O.C.	8"O.C.	13"O.C.
	48	16"O.C.	18"O.C.	12"O.C.	15"O.C.	10"O.C.	13"O.C.
	54	14"O.C.	18"O.C.	14"O.C.	15"O.C.	9"O.C.	11"O.C.
	60	15"O.C.	18"O.C.	12"O.C.	15"O.C.	10"O.C.	11"O.C.
	63	16"O.C.	15"O.C.	13"O.C.	15"O.C.	9"O.C.	11"O.C.
96	66	13"O.C.	15"O.C.	13"O.C.	13"O.C.	9"O.C.	11"O.C.
	75	15"O.C.	15"O.C.	13"O.C.	13"O.C.	9"O.C.	10"O.C.
	24	12"O.C.	32"O.C.	12"O.C.	24"O.C.	8"O.C.	19"O.C.
	30	15"O.C.	24"O.C.	10"O.C.	24"O.C.	8"O.C.	16"O.C.
	36	12"O.C.	24"O.C.	12"O.C.	19"O.C.	9"O.C.	16"O.C.
	42	14"O.C.	19"O.C.	11"O.C.	16"O.C.	8"O.C.	14"O.C.
	48	12"O.C.	19"O.C.	12"O.C.	16"O.C.	10"O.C.	12"O.C.
	54	14"O.C.	16"O.C.	11"O.C.	16"O.C.	9"O.C.	12"O.C.
	60	15"O.C.	16"O.C.	12"O.C.	14"O.C.	9"O.C.	11"O.C.
	63	13"O.C.	16"O.C.	13"O.C.	14"O.C.	9"O.C.	11"O.C.
	66	13"O.C.	16"O.C.	11"O.C.	14"O.C.	9"O.C.	11"O.C.
	75	15"O.C.	16"O.C.	13"O.C.	12"O.C.	9"O.C.	10"O.C.

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ANCHOR CHARTS

FRANK BENNARDO, PE
PE# 46549 CA# 9885

FL

FRAME HEIGHT (H)	TRIBUTARY (W)	TYPE A (CONCRETE)		TYPE B (METAL)		TYPE C (WOOD)	
		HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)
102	24	12"O.C.	34"O.C.	12"O.C.	26"O.C.	8"O.C.	20"O.C.
	30	10"O.C.	26"O.C.	10"O.C.	20"O.C.	8"O.C.	17"O.C.
	36	12"O.C.	20"O.C.	12"O.C.	20"O.C.	9"O.C.	15"O.C.
	42	14"O.C.	20"O.C.	11"O.C.	17"O.C.	8"O.C.	13"O.C.
	48	12"O.C.	17"O.C.	12"O.C.	17"O.C.	8"O.C.	13"O.C.
	54	14"O.C.	17"O.C.	11"O.C.	15"O.C.	9"O.C.	11"O.C.
	60	12"O.C.	17"O.C.	12"O.C.	15"O.C.	9"O.C.	10"O.C.
	63	13"O.C.	15"O.C.	11"O.C.	13"O.C.	9"O.C.	10"O.C.
	66	13"O.C.	15"O.C.	11"O.C.	13"O.C.	8"O.C.	10"O.C.
	75	13"O.C.	15"O.C.	11"O.C.	13"O.C.	8"O.C.	9"O.C.
108	24	12"O.C.	27"O.C.	8"O.C.	27"O.C.	8"O.C.	22"O.C.
	30	10"O.C.	27"O.C.	10"O.C.	22"O.C.	8"O.C.	18"O.C.
	36	12"O.C.	22"O.C.	9"O.C.	18"O.C.	7"O.C.	15"O.C.
	42	11"O.C.	22"O.C.	11"O.C.	18"O.C.	8"O.C.	14"O.C.
	48	12"O.C.	18"O.C.	10"O.C.	15"O.C.	8"O.C.	12"O.C.
	54	14"O.C.	18"O.C.	11"O.C.	15"O.C.	8"O.C.	11"O.C.
	60	12"O.C.	15"O.C.	10"O.C.	14"O.C.	9"O.C.	11"O.C.
	63	13"O.C.	15"O.C.	11"O.C.	14"O.C.	8"O.C.	10"O.C.
	66	13"O.C.	15"O.C.	11"O.C.	14"O.C.	8"O.C.	10"O.C.
	75	13"O.C.	14"O.C.	11"O.C.	12"O.C.	8"O.C.	9"O.C.
114	24	12"O.C.	29"O.C.	8"O.C.	29"O.C.	8"O.C.	19"O.C.
	30	10"O.C.	23"O.C.	10"O.C.	23"O.C.	8"O.C.	16"O.C.
	36	12"O.C.	23"O.C.	9"O.C.	19"O.C.	7"O.C.	14"O.C.
	42	11"O.C.	19"O.C.	11"O.C.	16"O.C.	7"O.C.	13"O.C.
	48	12"O.C.	19"O.C.	10"O.C.	16"O.C.	8"O.C.	11"O.C.
	54	11"O.C.	16"O.C.	11"O.C.	14"O.C.	8"O.C.	11"O.C.
	60	12"O.C.	16"O.C.	10"O.C.	13"O.C.	8"O.C.	10"O.C.
	63	13"O.C.	14"O.C.	11"O.C.	13"O.C.	8"O.C.	10"O.C.
	66	11"O.C.	14"O.C.	9"O.C.	13"O.C.	8"O.C.	10"O.C.
	75	13"O.C.	14"O.C.	11"O.C.	11"O.C.	8"O.C.	9"O.C.

FRAME HEIGHT (H)	TRIBUTARY (W)	TYPE A (CONCRETE)		TYPE B (METAL)		TYPE C (WOOD)	
		HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)	HEAD/SILL MAX ANCHOR SPACING (IN)	JAMBS MAX ANCHOR SPACING (IN)
120	24	12"O.C.	30"O.C.	8"O.C.	24"O.C.	6"O.C.	20"O.C.
	30	10"O.C.	24"O.C.	10"O.C.	20"O.C.	8"O.C.	17"O.C.
	36	12"O.C.	20"O.C.	9"O.C.	20"O.C.	7"O.C.	15"O.C.
	42	11"O.C.	20"O.C.	8"O.C.	17"O.C.	7"O.C.	13"O.C.
	48	12"O.C.	17"O.C.	10"O.C.	15"O.C.	7"O.C.	12"O.C.
	54	11"O.C.	17"O.C.	9"O.C.	13"O.C.	8"O.C.	11"O.C.
	60	12"O.C.	15"O.C.	10"O.C.	13"O.C.	8"O.C.	10"O.C.
	63	11"O.C.	15"O.C.	9"O.C.	13"O.C.	7"O.C.	10"O.C.
	66	11"O.C.	15"O.C.	9"O.C.	12"O.C.	7"O.C.	9"O.C.
	75	11"O.C.	13"O.C.	9"O.C.	12"O.C.	8"O.C.	9"O.C.

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FLORIDA BUILDING CODE EIGHTH EDITION (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#36955.1)

REMARKS	DRWN	CHKD	DATE
2020 FBC (20-33492)	JEM	AJP	12/21/20
FBC 2023 UPDATE	SQ	RS	07/12/23

23-60791

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1.1 HEAD DETAIL
SCALE: N.T.S.



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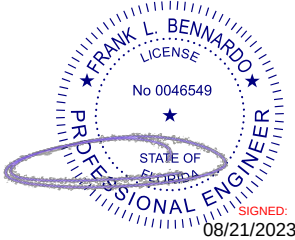
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SILL DETAILS

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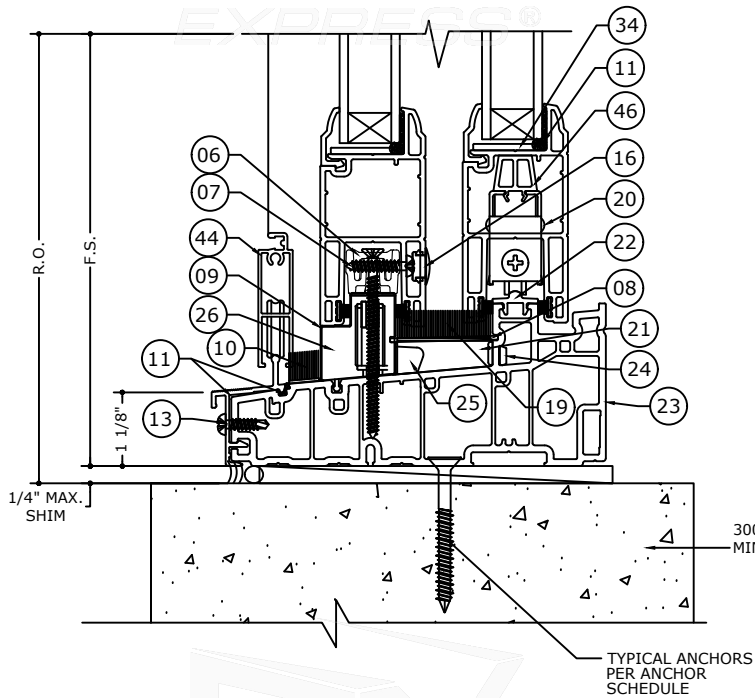
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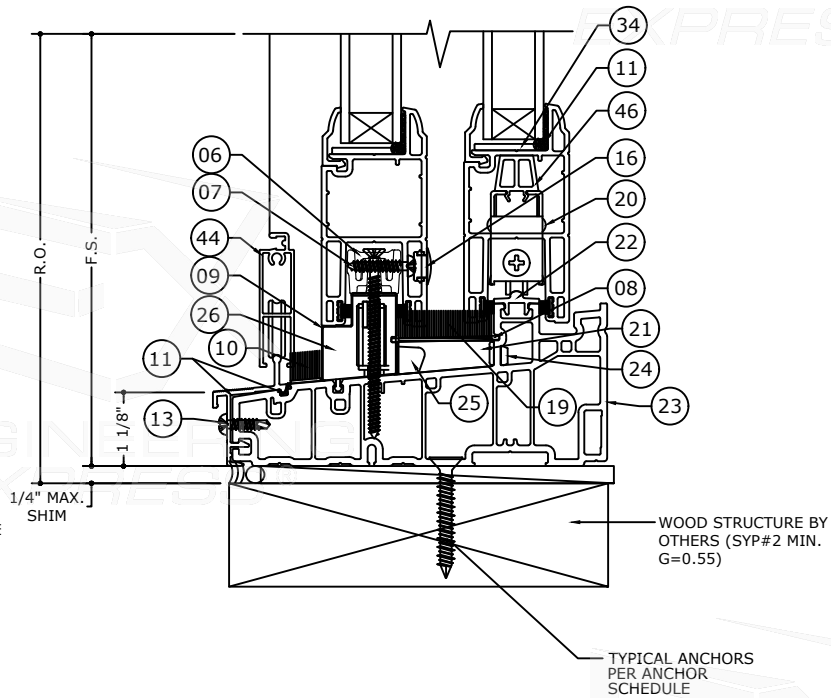
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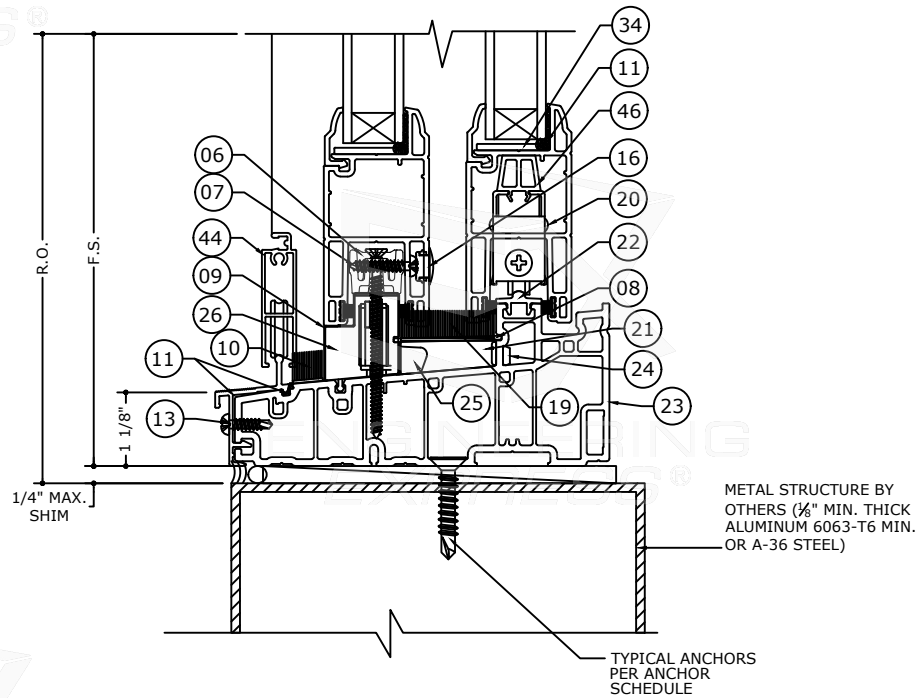
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2 SILL DETAIL
SCALE: N.T.S.



2.1 SILL DETAIL
SCALE: N.T.S.



2.2 SILL DETAIL
SCALE: N.T.S.

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
FOR FABRICATION AND ASSEMBLY INSTRUCTIONS.

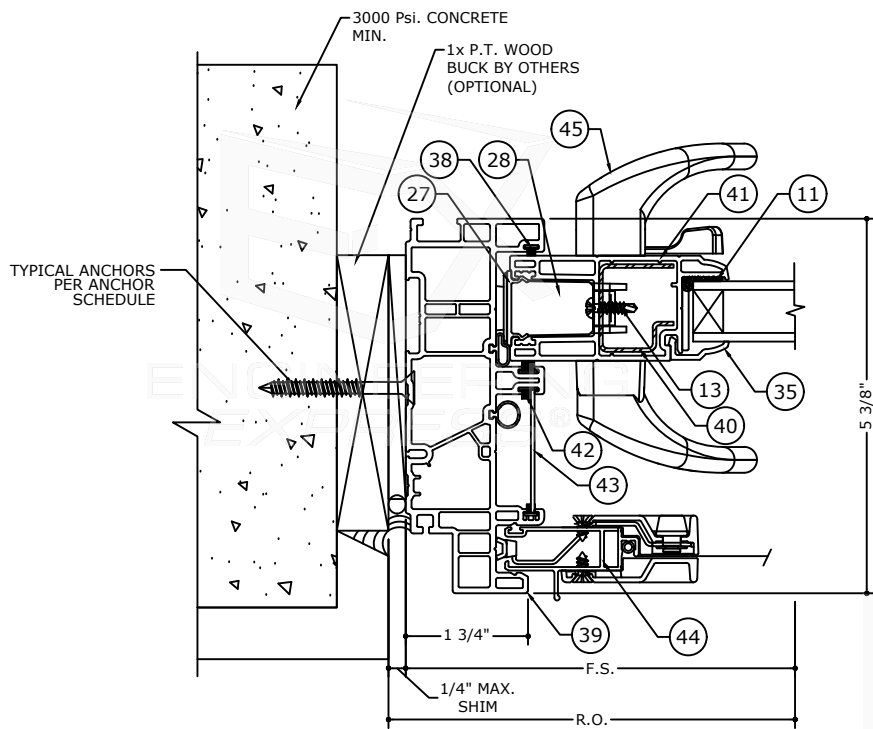
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FBC 2023 UPDATE	SQ	RS	07/12/23

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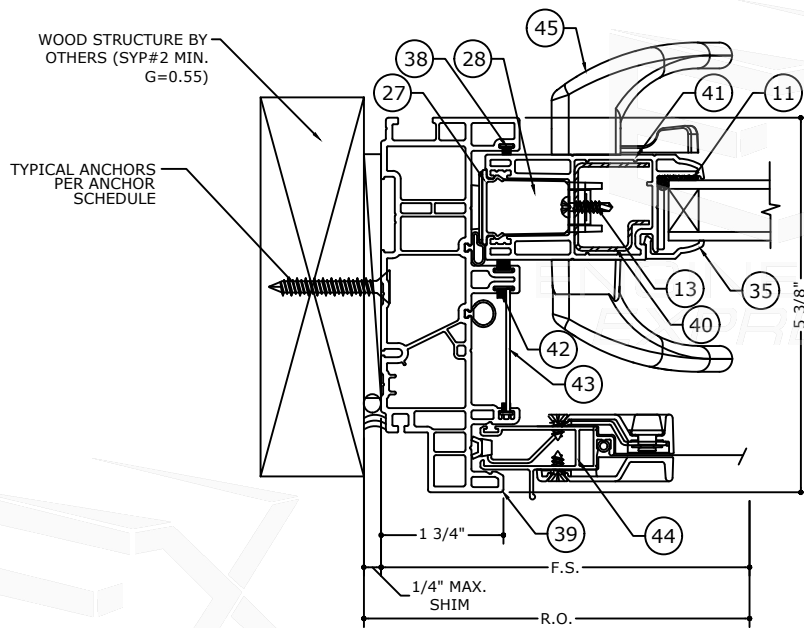
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JAMB @ OPERABLE LITE DETAILS

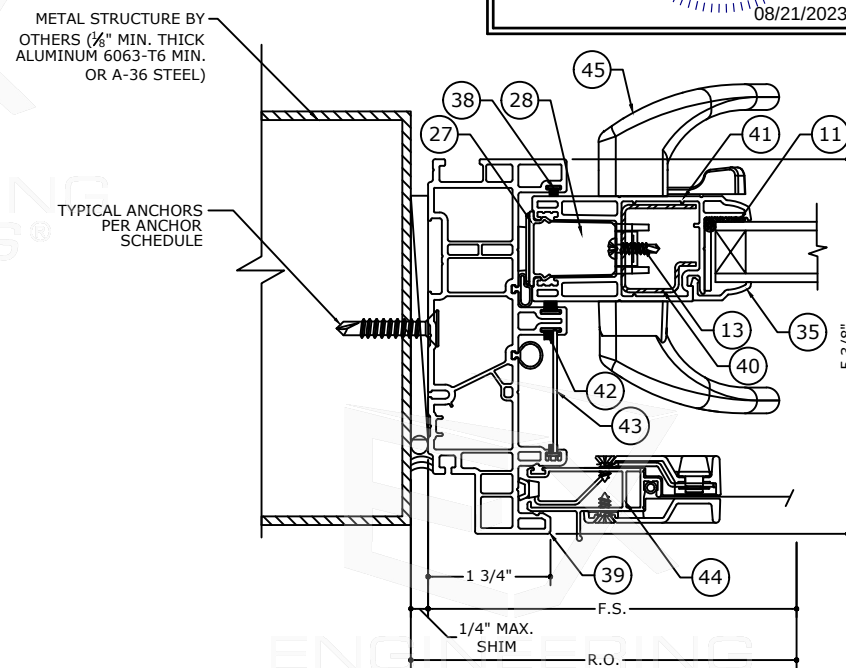


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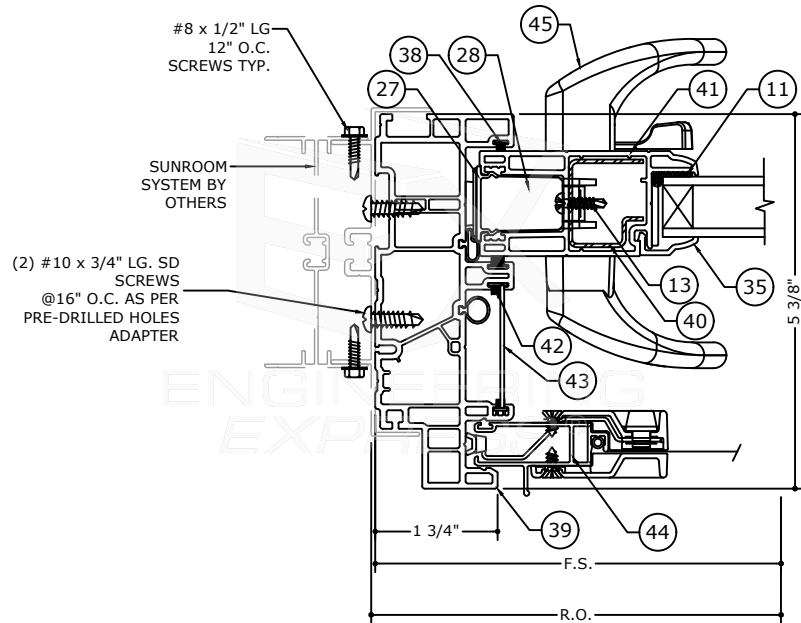
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SCALE: N.T.S.



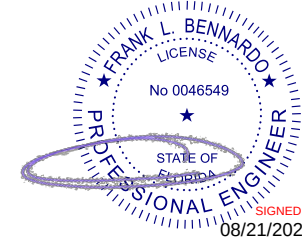
3.2 JAMB DETAIL



3.3 JAMB DETAIL

NOTE: REFER TO SYSTEM INSTALLATION MANUAL
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PE# 46549 CA# 9885



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13 18

14 18

JAMB @ FIXED LITE DETAILS (OXO AND OXXO)

FRANK BENNARDO, PE
PE# 46549 CA# 9885

FRANK L. BENNARDO

LICENSE

No 0046549

STATE OF FLORIDA

PROFESSIONAL ENGINEER

SIGNED: 08/21/2023

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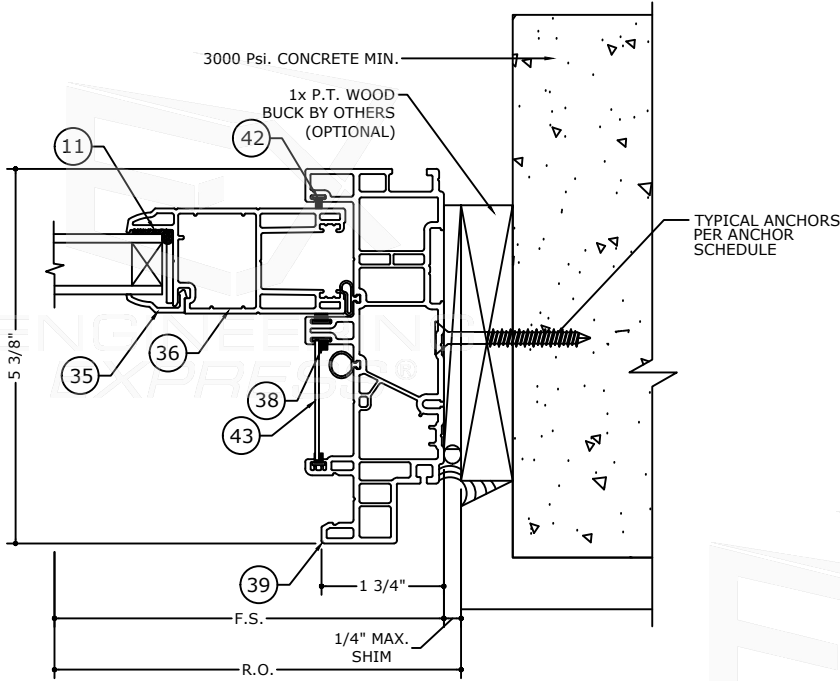
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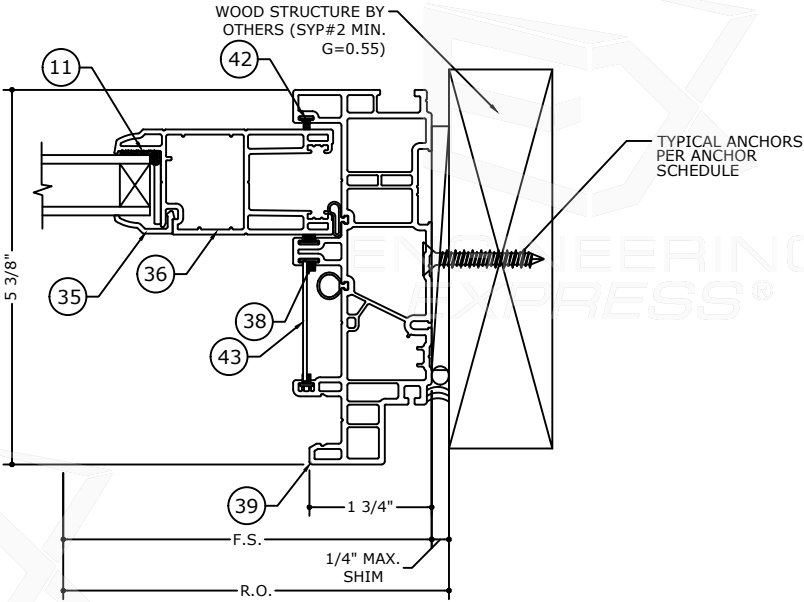
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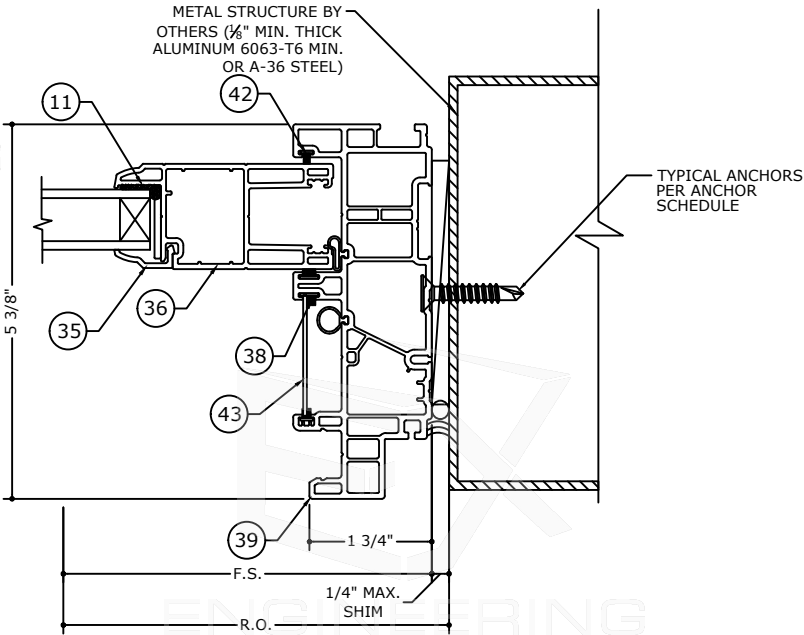
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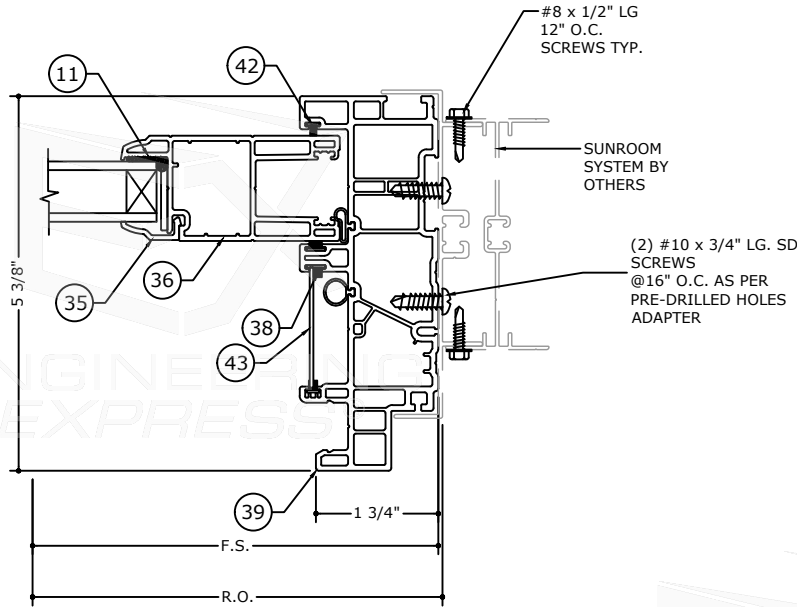
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SCALE: N.T.S.



5.1 JAMB DETAIL
SCALE: N.T.S.



5.2 JAMB DETAIL
SCALE: N.T.S.



5.3 JAMB DETAIL
SCALE: N.T.S.

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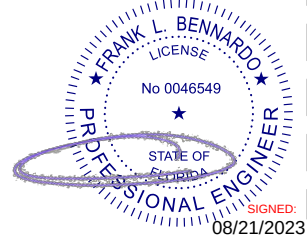
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SYSTEM COMPONENTS

FRANK BENNARDO, PE
PE# 46549 CA# 9885



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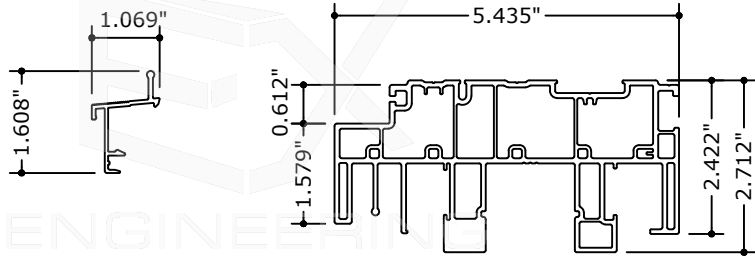
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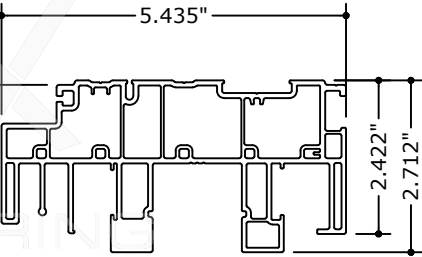
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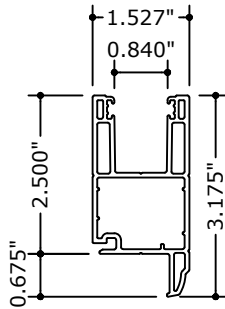
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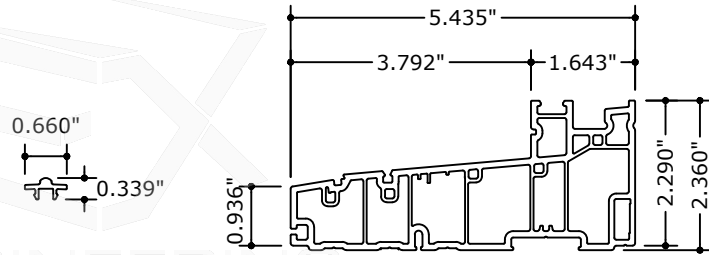
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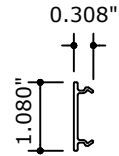
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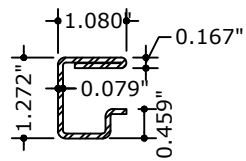
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FIXED HORIZONTAL RAIL



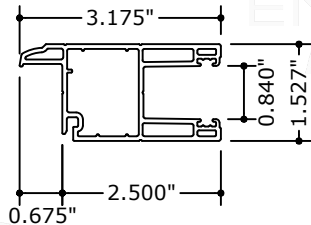
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SLIDING PANEL RAIL



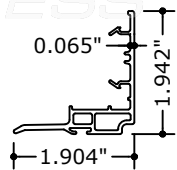
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SASH CROWNING CAP



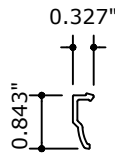
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CENTER STILE STEEL
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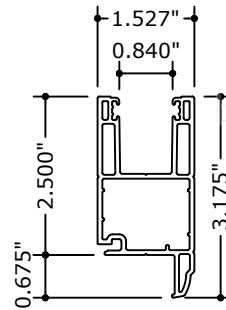
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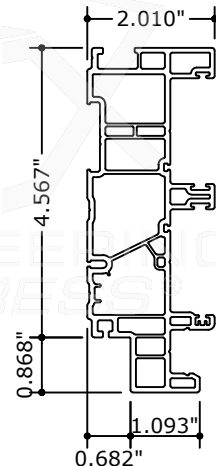
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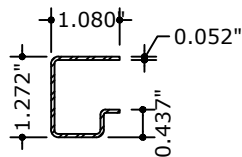
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GLASS STOP



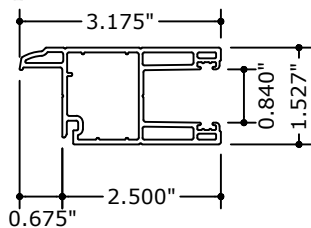
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MOBILE HORIZONTAL RAIL



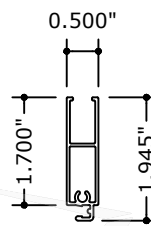
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JAMB PROFILE



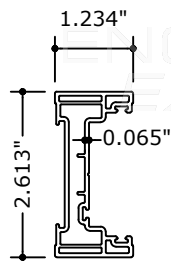
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MOBILE STILE STEEL
REINFORCEMENT



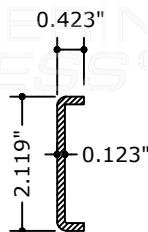
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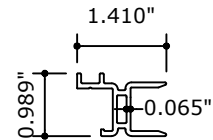
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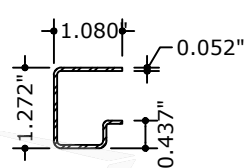
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MULLION



49 8760
MULLION STEEL
REINFORCEMENT

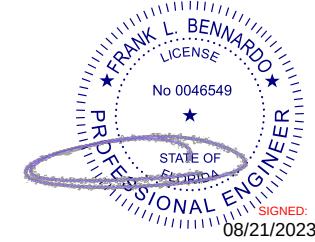


52 715
SCREEN MULLION



65 9598
FIXED STILE STEEL
REINFORCEMENT

FRANK BENNARDO, PE
PE# 46549 CA# 9885



FL

BILL OF MATERIALS

BILL OF MATERIALS			
ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURERS
01	9619	#8 X 2 3/4" FH QUADREX WOOD SCREW	P.H. TECH
02	9853	INSECT STOP 1"x 1"x 3/4"	P.H. TECH
03	703	HEAD WEATHERSEAL	P.H. TECH
04	8940	SASH STOPPER	P.H. TECH
05	8941	#8x 1 1/4" PH QUADREX SCREW	P.H. TECH
06	7003	FIXED SASH ANCHOR BLOCK	P.H. TECH
07	9876	#8x 7/8" PH QUADREX SCREW	P.H. TECH
08	723	SILL DUST COVER	P.H. TECH
09	701	FIXED SASH SUPPORT	P.H. TECH
10	9569	INSECT STOP	SCHLEGEL #PBAB-8445-270
11	-	SEALANT	VARIES
12	9991	OUTSIDE SILL CLADDING	P.H. TECH
13	9867	#8 X 5/8" PH QUADREX SELF DRILLING SCREW	P.H. TECH
14	-	GLASS	P.H. TECH
15	7002	HEAD PROFILE	P.H. TECH
16	9867	SCREW CAP	P.H. TECH
17	9550	WEATHERSTRIP	SCHLEGEL #HF-7522-270
18	7508-F	FIXED HORIZONTAL RAIL	P.H. TECH
19	9551	WEATHERSTRIP	SCHLEGEL #OPAB-1.35x0.437
20	9732	TAMDEM WHEEL	P.H. TECH
21	710-MLB66	SILL WEATHERSEAL	P.H. TECH
22	9790	SLIDING PANEL RAIL	P.H. TECH
23	7000	SILL	P.H. TECH
24	9734	WEEP HOLE PLUG	P.H. TECH
25	9808	WEEP HOLE COVER	P.H. TECH
26	9670/9671	LEFT/RIGHT CAP FOR FIXED SASH SUPPORT	P.H. TECH
27	7523	SASH COVERING CAP	P.H. TECH
28	9950-CAPUC	LOCK PLUG	P.H. TECH
29	9599	CENTER STILE STEEL REINFORCEMENT	P.H. TECH
30	7506	CENTER STILE	P.H. TECH
31	7026	INTERLOCK	P.H. TECH

BILL OF MATERIALS

BILL OF MATERIALS			
ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURERS
32	9862/8842	SLIDING CAP	P.H. TECH
33	9796	#8x 5/8" PH QUANDREX SCREW	P.H. TECH
34	8933	SETTING BLOCK	P.H. TECH
35	5775/5770/5771/5772	GLAZING BEAD	P.H. TECH
36	7587-F	FIXED SIDE STILE	P.H. TECH
37	7508-M	MOBILE HORIZONTAL RAIL	P.H. TECH
38	9560	WEATHERSTRIP	SCHLEGEL #PB-8320-187
39	7004	JAMB PROFILE	P.H. TECH
40	9597	MOBILE SIDE STILE STEEL REINFORCEMENT	P.H. TECH
41	7507-M/7567-M	MOBILE SIDE STILE	P.H. TECH
42	9571	WEATHERSTRIP	SCHLEGEL #PB-8420-270
43	7042	JAMB COVER (OPTION)	P.H. TECH
44	-	SCREEN	P.H. TECH
45	9748	HANDLE KIT	P.H. TECH
46	7541	OUT BEAD WELDED SASH TANDEM WHEEL SHIM	P.H. TECH
47	7075	MULLION	P.H. TECH
48	501	WEATHERSTRIP SCHLEGEL LOZARON LDB100 109T	P.H. TECH
49	8760	MULLION STEEL REINFORCEMENT	P.H. TECH
50	9135	MULLION BLOCK (2x)	P.H. TECH
51	8772	No. 8 X 2", FH, QUADREX SCREW	P.H. TECH
52	715	SCREEN MULLION	P.H. TECH
53	9584	WEATHERSTRIP AMESBURY	TRUTH FOAMTILE #32343
54	9149/9249	MORTISE LOCK KIT /KEEPER	P.H. TECH
55	8960.GACHE	SCREEN KEEPER	P.H. TECH
56	8962	No. 6 X 5/8" PAN HEAD, QUADREX SCREW	P.H. TECH
57	9829	NO. 8 X 2" PAN HEAD, QUADREX SCREW	P.H. TECH
58	9719	SASH STOPPER (OXXO)	P.H. TECH
59	9785	No. 8 X 2" TRUSS HEAD, QUADREX SCREW	P.H. TECH
60	9725	SCREEN STOPPER (OXXO)	P.H. TECH
61	8961	NO. 6 X 3/8" PAN HEAD, QUADREX SCREW	P.H. TECH
62	9726	MOBILE SASH ANCHOR (OXXO) (3X)	P.H. TECH
63	9573	WEATHERSTRIP SCHLEGEL #HF-7524-270	NAP #RPHF027025
64	8771	ASTRAGAL FOAM BLOCK	P.H. TECH
65	9598	FIXED SIDE STILE STEEL REINF. >2081MM	P.H. TECH
66	9873	CORNER BLOCK	P.H. TECH

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