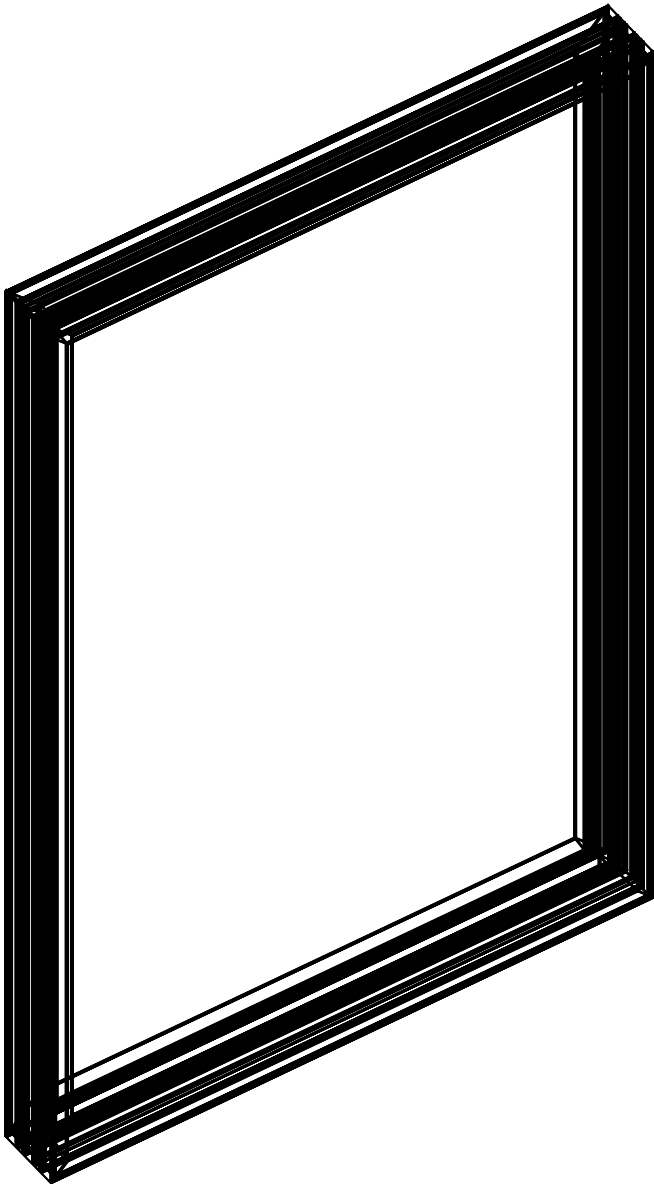


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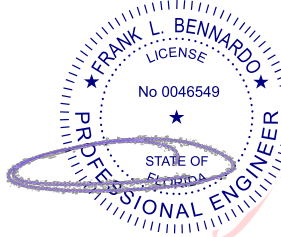


INDEX

SHEET # | DESCRIPTION

01	COVER & DESIGN CRITERIA
02	ELEVATIONS
03-04	GLASS TYPE & GLASS LOADING TABLES
05-09	ANCHOR CHARTS AND FASTENER SCHEDULE
10-13	STANDARD FRAMING DETAILS
11	SYSTEM COMPONENTS
14	BILL OF MATERIALS

FRANK BENNARDO, PE
PE# 46549 CA# 9885



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Frank Bennardo
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FBCC 2023 UPDATE	07/12/23	SQ	RS
FBCC 2026 UPDATE	08/18/26	MZ	MN

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NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE IN FLORIDA OR ANY OTHER STATE SHALL REQUIRE A REVIEW & CERTIFICATION BY A REGISTERED DESIGN PROFESSIONAL LICENSED IN THAT STATE, WHO SHALL BE RESPONSIBLE FOR THE CONTENT & PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE FOR ASSISTANCE WITH YOUR PROJECT NEEDS.

GENERAL NOTES:

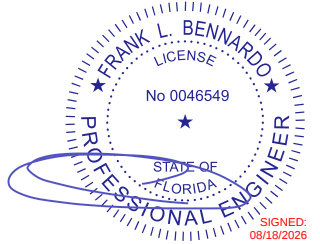
- THE SYSTEM AND GLASS TYPES DESCRIBED HEREIN COMPLY AND HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 9TH EDITION (2026) PER
 - ASTM E 283, ASTM E 330
 - AAMA/WDMA/CSA 101/I.S.2/A440-11
 - AAMA/WDMA/CSA 101/I.S.2/A440-08
- FOR USE **OUTSIDE** THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- GLASS UNIT(S) SHALL ME THE REQUIREMENTS OF ASTM E-1300.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- 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.
- 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.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- FOR PERMANENT OUTDOOR INSTALLATIONS, ALL EXPOSED ANCHORS, FASTENERS, CONNECTORS, AND METAL PLATES SHALL BE CORROSION RESISTANT. CORROSION RESISTANCE MAY BE PROVIDED BY INHERENT MATERIAL COMPOSITION OR, WHERE PERMITTED BY CODE, BY AN APPROVED PROTECTIVE COATING OR GALVANIZATION. WHERE APPLICABLE NEAR A SALTWATER COASTLINE, SUCH COMPONENTS SHALL COMPLY WITH FBC SECTION 1711, INCLUDING APPLICABLE REQUIREMENTS FOR EXPOSED, PROTECTED, OR ENCLOSED CONDITIONS. MATERIALS, COATINGS, AND FINISHES SHALL BE COMPATIBLE WITH CONNECTED MATERIALS, AND PROTECTIVE COATINGS SHALL BE CONTINUOUS OVER EXPOSED SURFACES. FASTENERS USED WITH ALUMINUM MEMBERS SHALL ALSO COMPLY WITH SECTION J.3.7.2 OF THE ALUMINUM DESIGN MANUAL, "SPECIFICATION FOR ALUMINUM STRUCTURES." SUBSTITUTION OF COMPONENTS FROM ALTERNATE MANUFACTURERS, OR WITH DIFFERENT MATERIALS, COATINGS, OR FINISHES, SHALL NOT BE ASSUMED EQUIVALENT AND MAY REQUIRE ADDITIONAL ENGINEERING REVIEW OR SITE-SPECIFIC ANALYSIS.
- REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- 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.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
- ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
- 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).
- UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.

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FOR SITE-SPECIFIC DEVIATIONS
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.	-	-	-

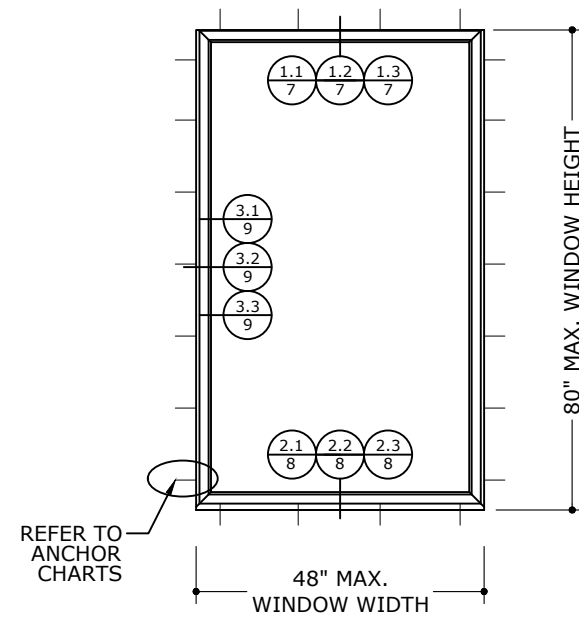
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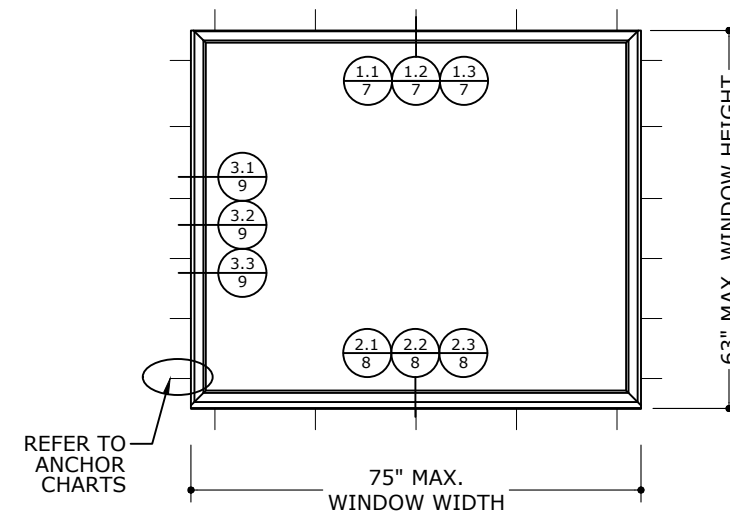
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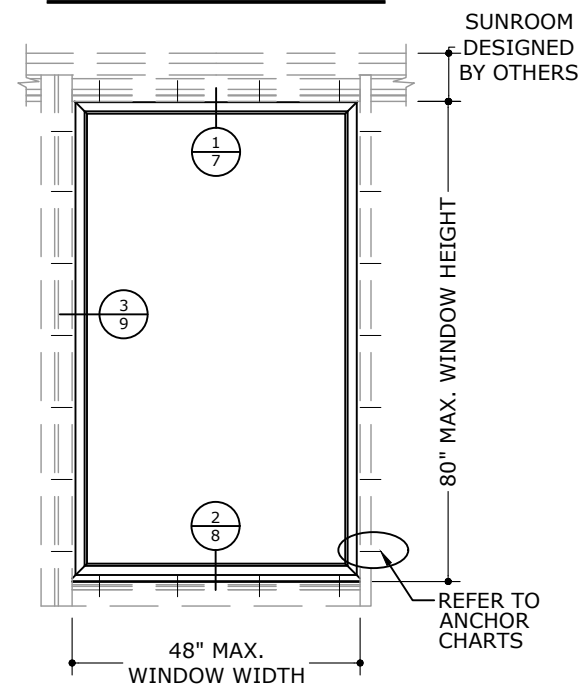
TYPICAL ELEVATION



TYPICAL ELEVATION



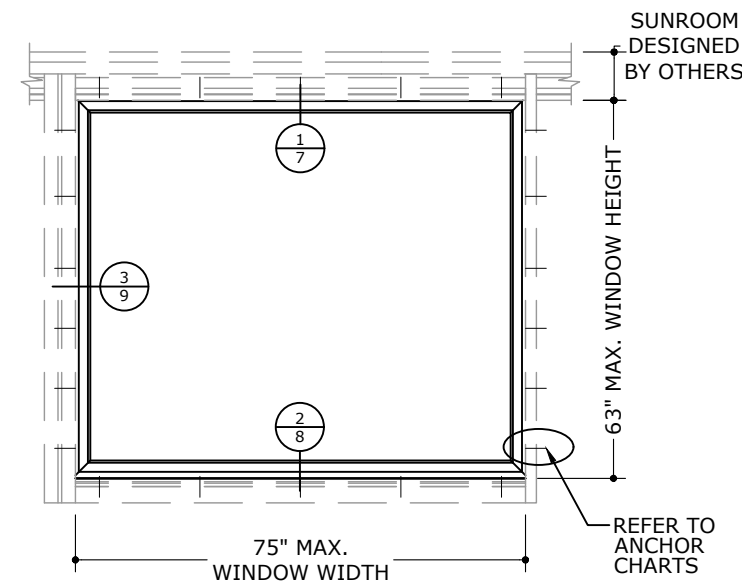
TYPICAL ELEVATION



SUNROOM ELEVATION

WATER RESISTANCE PER ASTM E 547 = 7.52 P.S.F

+50.13 PSF, -50.13 PSF



SUNROOM ELEVATION

WATER RESISTANCE PER ASTM E 547 = 12.11 P.S.F

+55.14 PSF, -55.14 PSF

FRAME SIZE FOR SINGLE OPENINGS SHALL BE GOVERNED BY THE MAXIMUM ALLOWABLE D.L.O. DIMENSIONS DISPLAYED ON THE GLASS CHARTS

INSTRUCTIONS TO DETERMINE DESIGN PRESSURE RATING

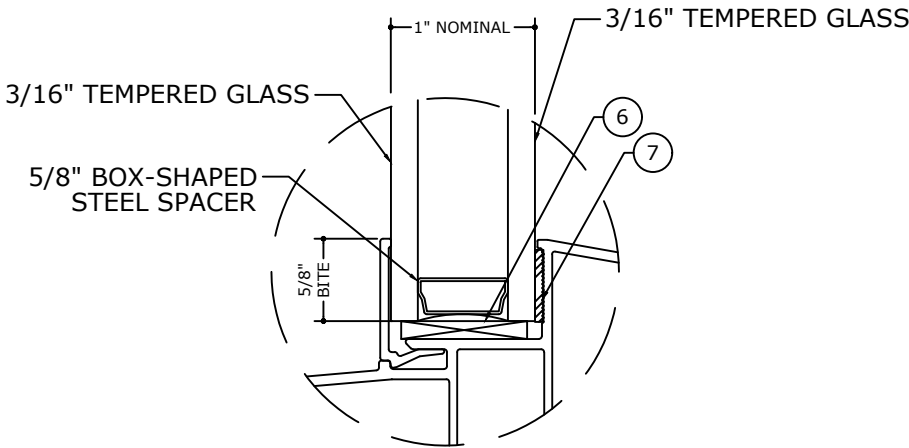
STEP ①: USE THE GLASS LOADING TABLES TO DETERMINE THE ALLOWABLE PRESSURE OF THE GLASS.

STEP ②: USE THE ANCHOR CHART TABLES TO DETERMINE THE ALLOWABLE ARCHORS.

STEP ③: THE MINIMUM VALUE BETWEEN STEP ① AND STEP ② WILL DETERMINE THE DESIGN LOAD PRESSURE FOR THE FIXED WINDOW SYSTEM.

GLASS TYPES

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

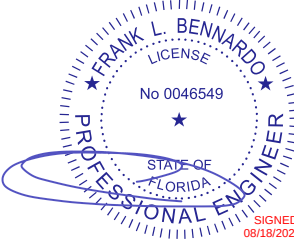


GLASS TYPE G1

GLAZING DETAIL
N.T.S.

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FRANK BENNARDO, PE
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FRANK L. BENNARDO
LICENSE
No 0046549
★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

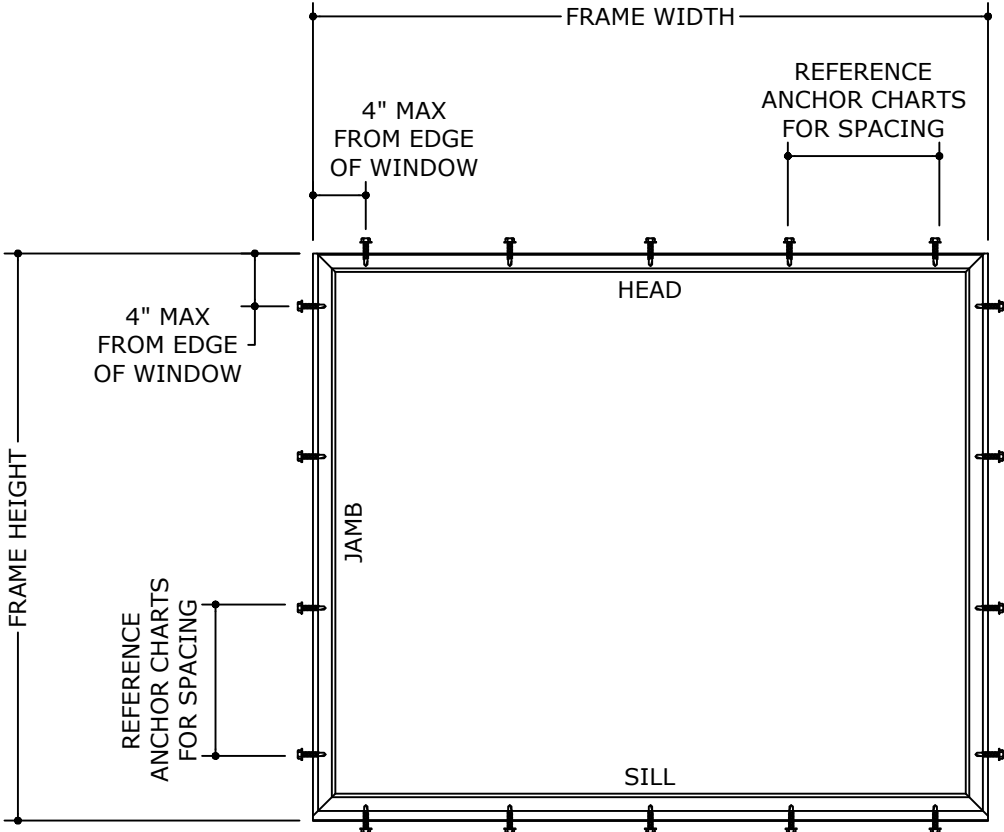
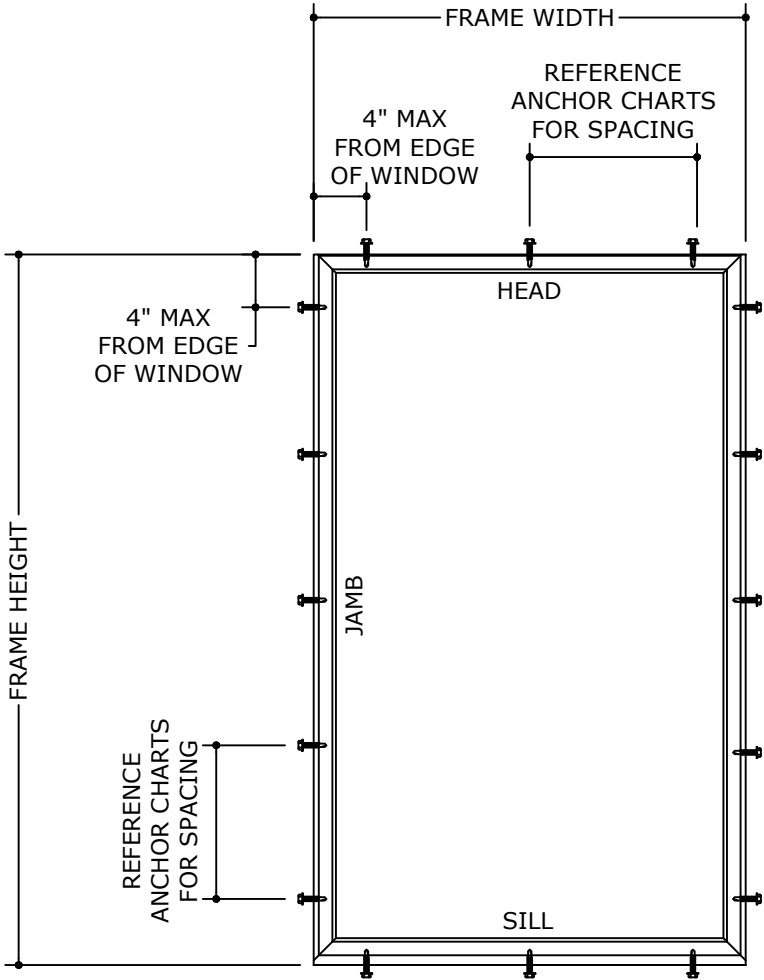
SIGNED:
08/18/2026

GLASS TYPES			
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>
63	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
	54	50	58
	60	50	52
	63	50	50
	66	50	50
66	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
	54	50	58
	60	50	52
	63	50	50
	66	47	47
72	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
	54	50	58
	60	50	52
	63	50	50
75	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
	54	50	58
	60	50	52
	63	50	50
78	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
	54	50	58
	60	50	52

GLASS TYPES		G1	
		ALLOWABLE PRESSURE	
D.L.O. HEIGHT (in)	D.L.O. WIDTH (in)	(+) <i>P.S.F</i>	(-) <i>P.S.F</i>
84	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
	54	50	58
90	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
96	24	50	75
	30	50	75
	36	50	75
	42	50	75
	48	50	65
102	24	50	75
	30	50	75
	36	50	75
	42	50	75
108	24	50	75
	30	50	75
	36	50	75
	42	50	75
114	24	50	75
	30	50	75
	36	50	75
120	24	50	75
	30	50	75
	36	50	75
126	24	50	75
	30	50	75
	36	50	75
132	24	50	75
	30	50	75
138	24	50	75
	30	50	75
143	24	50	75
	30	50	75

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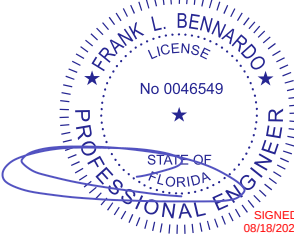
FASTENER SCHEDULE



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

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 18, 2026



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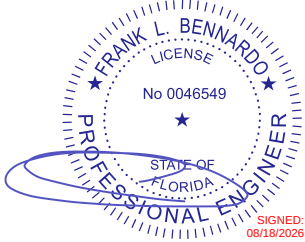
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ANCHOR CHARTS

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 18, 2026



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)
24	24	12"O.C.	12"O.C.	12"O.C.	12"O.C.	12"O.C.	12"O.C.
	30	15"O.C.	12"O.C.	15"O.C.	12"O.C.	15"O.C.	12"O.C.
	36	18"O.C.	12"O.C.	18"O.C.	12"O.C.	18"O.C.	12"O.C.
	42	21"O.C.	12"O.C.	21"O.C.	12"O.C.	21"O.C.	12"O.C.
	48	24"O.C.	12"O.C.	24"O.C.	12"O.C.	24"O.C.	12"O.C.
	54	27"O.C.	12"O.C.	27"O.C.	12"O.C.	27"O.C.	12"O.C.
	60	30"O.C.	12"O.C.	30"O.C.	12"O.C.	30"O.C.	12"O.C.
	63	32"O.C.	12"O.C.	32"O.C.	12"O.C.	32"O.C.	12"O.C.
	66	33"O.C.	12"O.C.	33"O.C.	12"O.C.	33"O.C.	12"O.C.
	75	38"O.C.	12"O.C.	38"O.C.	12"O.C.	38"O.C.	12"O.C.
30	24	12"O.C.	15"O.C.	12"O.C.	15"O.C.	12"O.C.	15"O.C.
	30	15"O.C.	15"O.C.	15"O.C.	15"O.C.	15"O.C.	15"O.C.
	36	18"O.C.	15"O.C.	18"O.C.	15"O.C.	18"O.C.	15"O.C.
	42	21"O.C.	15"O.C.	21"O.C.	15"O.C.	21"O.C.	15"O.C.
	48	24"O.C.	15"O.C.	24"O.C.	15"O.C.	24"O.C.	15"O.C.
	54	27"O.C.	15"O.C.	27"O.C.	15"O.C.	27"O.C.	15"O.C.
	60	30"O.C.	15"O.C.	30"O.C.	15"O.C.	30"O.C.	15"O.C.
	63	32"O.C.	15"O.C.	32"O.C.	15"O.C.	21"O.C.	15"O.C.
	66	33"O.C.	15"O.C.	33"O.C.	15"O.C.	22"O.C.	15"O.C.
	75	38"O.C.	15"O.C.	38"O.C.	15"O.C.	25"O.C.	15"O.C.
36	24	12"O.C.	18"O.C.	12"O.C.	18"O.C.	12"O.C.	18"O.C.
	30	15"O.C.	18"O.C.	15"O.C.	18"O.C.	15"O.C.	18"O.C.
	36	18"O.C.	18"O.C.	18"O.C.	18"O.C.	18"O.C.	18"O.C.
	42	21"O.C.	18"O.C.	21"O.C.	18"O.C.	21"O.C.	18"O.C.
	48	24"O.C.	18"O.C.	24"O.C.	18"O.C.	24"O.C.	18"O.C.
	54	27"O.C.	18"O.C.	27"O.C.	18"O.C.	27"O.C.	18"O.C.
	60	30"O.C.	18"O.C.	30"O.C.	18"O.C.	20"O.C.	18"O.C.
	63	32"O.C.	18"O.C.	32"O.C.	18"O.C.	21"O.C.	18"O.C.
	66	33"O.C.	18"O.C.	33"O.C.	18"O.C.	22"O.C.	18"O.C.
	75	38"O.C.	18"O.C.	25"O.C.	18"O.C.	25"O.C.	18"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)
42	24	12"O.C.	21"O.C.	12"O.C.	21"O.C.	12"O.C.	21"O.C.
	30	15"O.C.	21"O.C.	15"O.C.	21"O.C.	15"O.C.	21"O.C.
	36	18"O.C.	21"O.C.	18"O.C.	21"O.C.	18"O.C.	21"O.C.
	42	21"O.C.	21"O.C.	21"O.C.	21"O.C.	21"O.C.	21"O.C.
	48	24"O.C.	21"O.C.	24"O.C.	21"O.C.	24"O.C.	21"O.C.
	54	27"O.C.	21"O.C.	27"O.C.	21"O.C.	27"O.C.	21"O.C.
	60	30"O.C.	21"O.C.	20"O.C.	21"O.C.	20"O.C.	21"O.C.
	63	32"O.C.	21"O.C.	21"O.C.	21"O.C.	21"O.C.	21"O.C.
	66	33"O.C.	21"O.C.	22"O.C.	21"O.C.	22"O.C.	21"O.C.
	75	25"O.C.	21"O.C.	25"O.C.	21"O.C.	19"O.C.	21"O.C.
48	24	12"O.C.	24"O.C.	12"O.C.	24"O.C.	12"O.C.	24"O.C.
	30	15"O.C.	24"O.C.	15"O.C.	24"O.C.	15"O.C.	24"O.C.
	36	18"O.C.	24"O.C.	18"O.C.	24"O.C.	18"O.C.	24"O.C.
	42	21"O.C.	24"O.C.	21"O.C.	24"O.C.	21"O.C.	24"O.C.
	48	24"O.C.	24"O.C.	24"O.C.	24"O.C.	24"O.C.	24"O.C.
	54	27"O.C.	24"O.C.	27"O.C.	24"O.C.	18"O.C.	24"O.C.
	60	30"O.C.	24"O.C.	20"O.C.	24"O.C.	15"O.C.	16"O.C.
	63	21"O.C.	24"O.C.	21"O.C.	24"O.C.	16"O.C.	16"O.C.
	66	22"O.C.	24"O.C.	22"O.C.	24"O.C.	17"O.C.	16"O.C.
	75	25"O.C.	24"O.C.	25"O.C.	24"O.C.	19"O.C.	16"O.C.
54	24	12"O.C.	27"O.C.	12"O.C.	27"O.C.	12"O.C.	27"O.C.
	30	15"O.C.	27"O.C.	15"O.C.	27"O.C.	15"O.C.	27"O.C.
	36	18"O.C.	27"O.C.	18"O.C.	27"O.C.	18"O.C.	27"O.C.
	42	21"O.C.	27"O.C.	21"O.C.	27"O.C.	21"O.C.	27"O.C.
	48	24"O.C.	27"O.C.	24"O.C.	27"O.C.	24"O.C.	27"O.C.
	54	27"O.C.	27"O.C.	27"O.C.	27"O.C.	18"O.C.	27"O.C.
	60	20"O.C.	27"O.C.	20"O.C.	18"O.C.	15"O.C.	14"O.C.
	63	21"O.C.	27"O.C.	21"O.C.	18"O.C.	16"O.C.	14"O.C.
	66	22"O.C.	27"O.C.	22"O.C.	18"O.C.	17"O.C.	14"O.C.
	75	25"O.C.	27"O.C.	19"O.C.	18"O.C.	15"O.C.	14"O.C.

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FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL# 36959.1)

REMARKS	DRWN	CHKD	DATE
FBC 2020 (20-33488)	TAE	AJP	12/07/20
FBC 2023 UPDATE	SQ	RS	07/12/23
FBC 2026 UPDATE	MZ	MN	08/18/26
	.	.	.

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26-100167

SCALE: NTS UNLESS NOTED

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 18, 2026

FRANK L. BENNARDO
LICENSE
No 0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SIGNED
08/18/2026

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.	
78	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.	

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FLORIDA BUILDING CODE NINTH EDITION (2026)
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REMARKS	DRWN	CHKD	DATE
FBC 2020 (20-33488)	TAE	AJP	12/07/20
FBC 2023 UPDATE	SQ	RS	07/12/23
FBC 2026 UPDATE	MZ	MN	08/18/26
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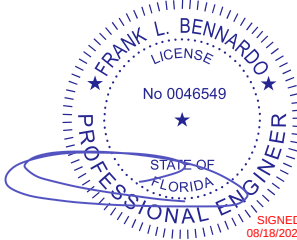
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0714

ANCHOR CHARTS

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 18, 2026



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.
	75	15"O.C.	17"O.C.	13"O.C.	14"O.C.	11"O.C.	11"O.C.
90	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.
	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.
96	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.

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.

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FLORIDA STATEWIDE APPROVAL (FSA FL# 36959.1)

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FBG 2023 UPDATE	SQ	RS	07/12/23
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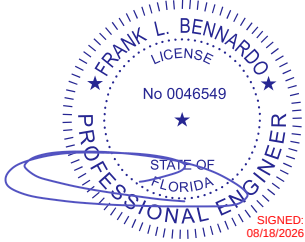
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ANCHOR CHARTS

FRANK BENNARDO, PE
PE# 46549 CA# 9885

AUGUST 18, 2026



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.
	75	11"O.C.	13"O.C.	9"O.C.	12"O.C.	8"O.C.	9"O.C.
126	24	8"O.C.	32"O.C.	8"O.C.	25"O.C.	6"O.C.	21"O.C.
	30	10"O.C.	25"O.C.	8"O.C.	21"O.C.	6"O.C.	16"O.C.
	36	9"O.C.	21"O.C.	9"O.C.	18"O.C.	7"O.C.	14"O.C.
	42	11"O.C.	18"O.C.	8"O.C.	16"O.C.	7"O.C.	13"O.C.
	48	10"O.C.	18"O.C.	10"O.C.	16"O.C.	7"O.C.	11"O.C.
	54	11"O.C.	16"O.C.	9"O.C.	14"O.C.	7"O.C.	11"O.C.
	60	10"O.C.	16"O.C.	9"O.C.	13"O.C.	7"O.C.	10"O.C.
	63	11"O.C.	14"O.C.	9"O.C.	13"O.C.	7"O.C.	10"O.C.
	66	11"O.C.	14"O.C.	9"O.C.	13"O.C.	7"O.C.	9"O.C.
	75	11"O.C.	13"O.C.	9"O.C.	11"O.C.	7"O.C.	8"O.C.
	75	11"O.C.	13"O.C.	9"O.C.	11"O.C.	7"O.C.	8"O.C.
132	24	8"O.C.	33"O.C.	8"O.C.	26"O.C.	6"O.C.	19"O.C.
	30	10"O.C.	26"O.C.	8"O.C.	22"O.C.	6"O.C.	17"O.C.
	36	9"O.C.	22"O.C.	9"O.C.	19"O.C.	6"O.C.	15"O.C.
	42	11"O.C.	19"O.C.	8"O.C.	17"O.C.	7"O.C.	13"O.C.
	48	10"O.C.	17"O.C.	8"O.C.	15"O.C.	7"O.C.	12"O.C.
	54	11"O.C.	17"O.C.	9"O.C.	13"O.C.	7"O.C.	10"O.C.
	60	10"O.C.	15"O.C.	9"O.C.	13"O.C.	7"O.C.	10"O.C.
	63	11"O.C.	15"O.C.	9"O.C.	12"O.C.	7"O.C.	9"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.	11"O.C.	7"O.C.	8"O.C.
	75	11"O.C.	13"O.C.	9"O.C.	11"O.C.	7"O.C.	8"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)
138	24	8"O.C.	28"O.C.	8"O.C.	28"O.C.	6"O.C.	20"O.C.
	30	10"O.C.	23"O.C.	8"O.C.	23"O.C.	6"O.C.	17"O.C.
	36	9"O.C.	23"O.C.	9"O.C.	20"O.C.	6"O.C.	14"O.C.
	42	11"O.C.	20"O.C.	8"O.C.	17"O.C.	6"O.C.	13"O.C.
	48	10"O.C.	17"O.C.	8"O.C.	15"O.C.	6"O.C.	12"O.C.
	54	9"O.C.	15"O.C.	9"O.C.	14"O.C.	7"O.C.	11"O.C.
	60	10"O.C.	15"O.C.	9"O.C.	13"O.C.	7"O.C.	10"O.C.
	63	11"O.C.	14"O.C.	9"O.C.	13"O.C.	6"O.C.	9"O.C.
	66	9"O.C.	14"O.C.	8"O.C.	12"O.C.	7"O.C.	9"O.C.
	75	9"O.C.	13"O.C.	8"O.C.	11"O.C.	7"O.C.	9"O.C.
	75	9"O.C.	13"O.C.	8"O.C.	11"O.C.	7"O.C.	9"O.C.
143	24	8"O.C.	29"O.C.	8"O.C.	24"O.C.	6"O.C.	20"O.C.
	30	10"O.C.	24"O.C.	8"O.C.	20"O.C.	6"O.C.	16"O.C.
	36	9"O.C.	20"O.C.	7"O.C.	18"O.C.	6"O.C.	14"O.C.
	42	8"O.C.	20"O.C.	8"O.C.	16"O.C.	6"O.C.	13"O.C.
	48	10"O.C.	18"O.C.	8"O.C.	14"O.C.	6"O.C.	11"O.C.
	54	9"O.C.	16"O.C.	8"O.C.	13"O.C.	6"O.C.	10"O.C.
	60	10"O.C.	14"O.C.	9"O.C.	13"O.C.	6"O.C.	10"O.C.
	63	9"O.C.	14"O.C.	8"O.C.	12"O.C.	6"O.C.	10"O.C.
	66	9"O.C.	14"O.C.	8"O.C.	12"O.C.	6"O.C.	9"O.C.
	75	9"O.C.	13"O.C.	8"O.C.	11"O.C.	6"O.C.	8"O.C.
	75	9"O.C.	13"O.C.	8"O.C.	11"O.C.	6"O.C.	8"O.C.

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HOLBROOK, NY 11741
PH: (631) 563-4000

SERIES PW30W - VINYL FIXED WINDOW
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL# 36959.1)

REMARKS	DRWN	CHKD	DATE
FBG 2020 (20-33488)	TAE	AJP	12/07/20
FBG 2023 UPDATE	SQ	RS	07/12/23
FBG 2026 UPDATE	MZ	MIN	08/18/26

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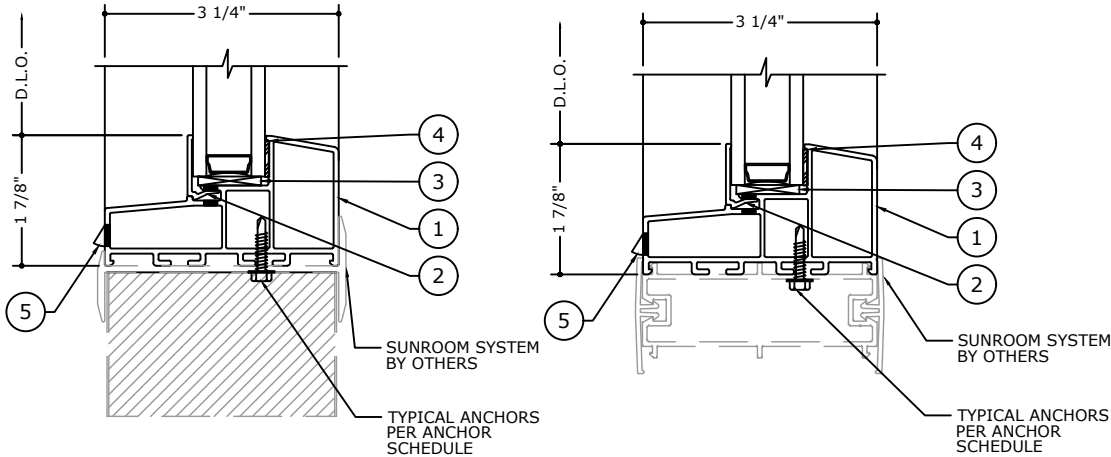
SILL DETAILS

FRANK BENNARDO, PE
PE# 46549 CA# 9885

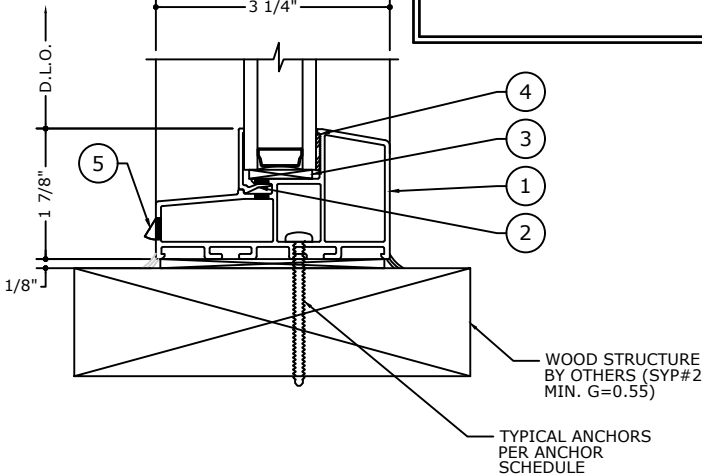
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LICENSE
No 0046549
STATE OF
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PROFESSIONAL ENGINEER

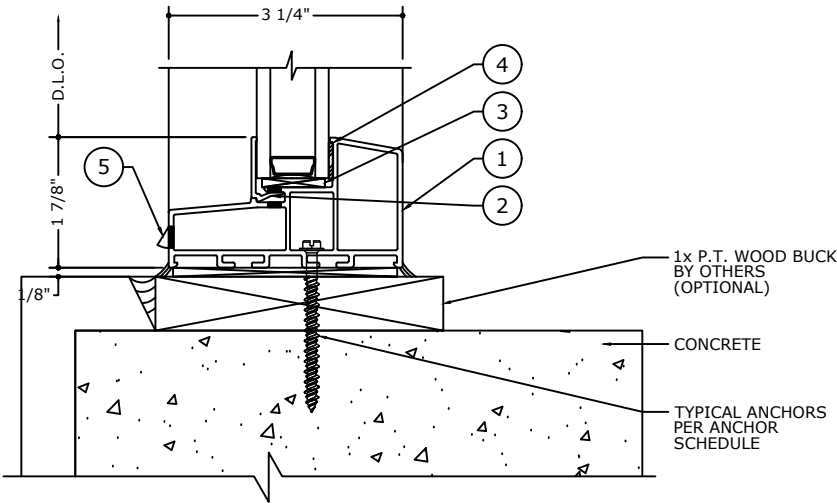
SIGNED:
08/19/2026



2 SILL DETAIL
SUNROOM CONDITION

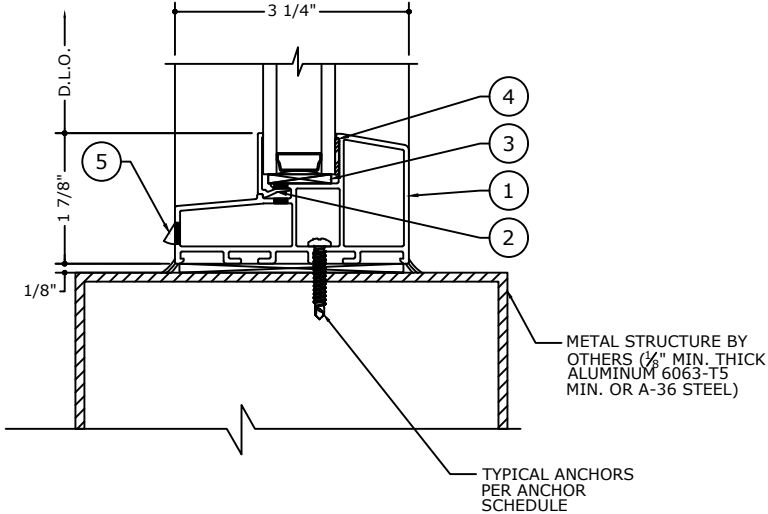


2.1 SILL DETAIL
WOOD CONDITION



2.2 SILL DETAIL
CONCRETE CONDITION

NOTE: FOR FRAMES EXCEEDING 48" IN WIDTH,
ANCHORS ARE REQUIRED PER SCHEDULE.



2.3 SILL DETAIL
ALUMINUM /STEEL

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FBC 2023 UPDATE	SQ	RS	07/12/23
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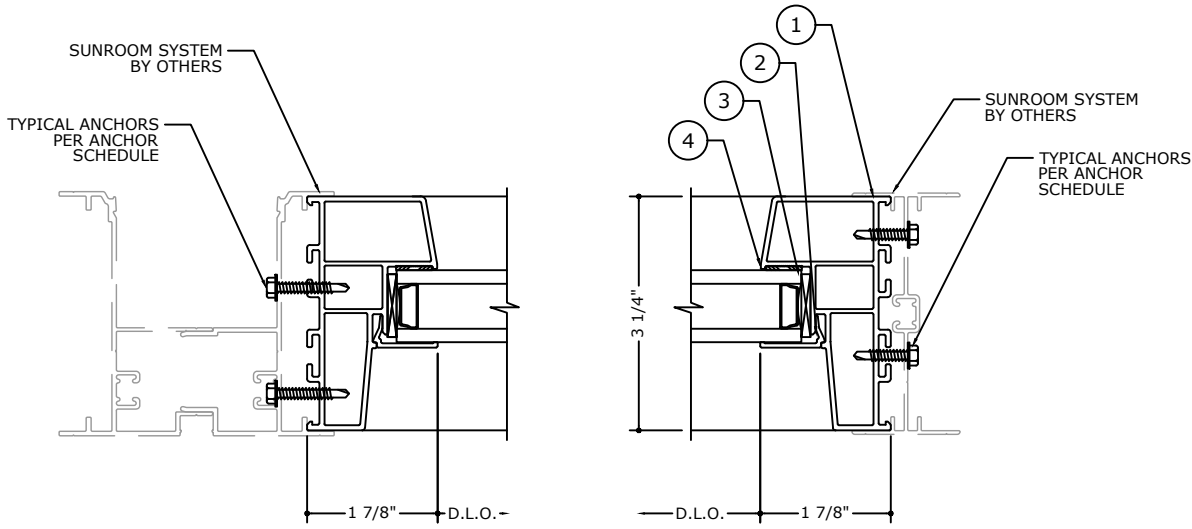
VERTICAL JAMB DETAILS

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PE# 46549 CA# 9885

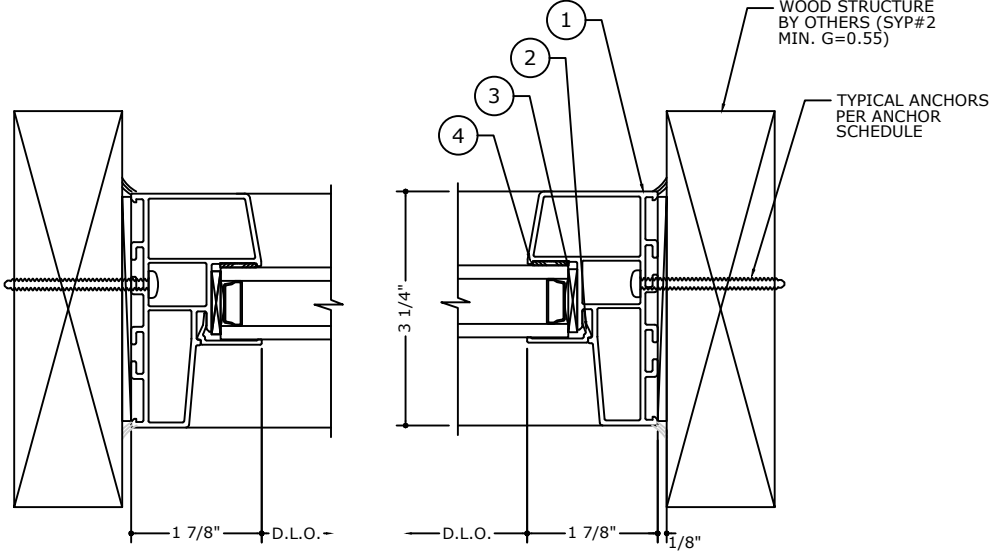
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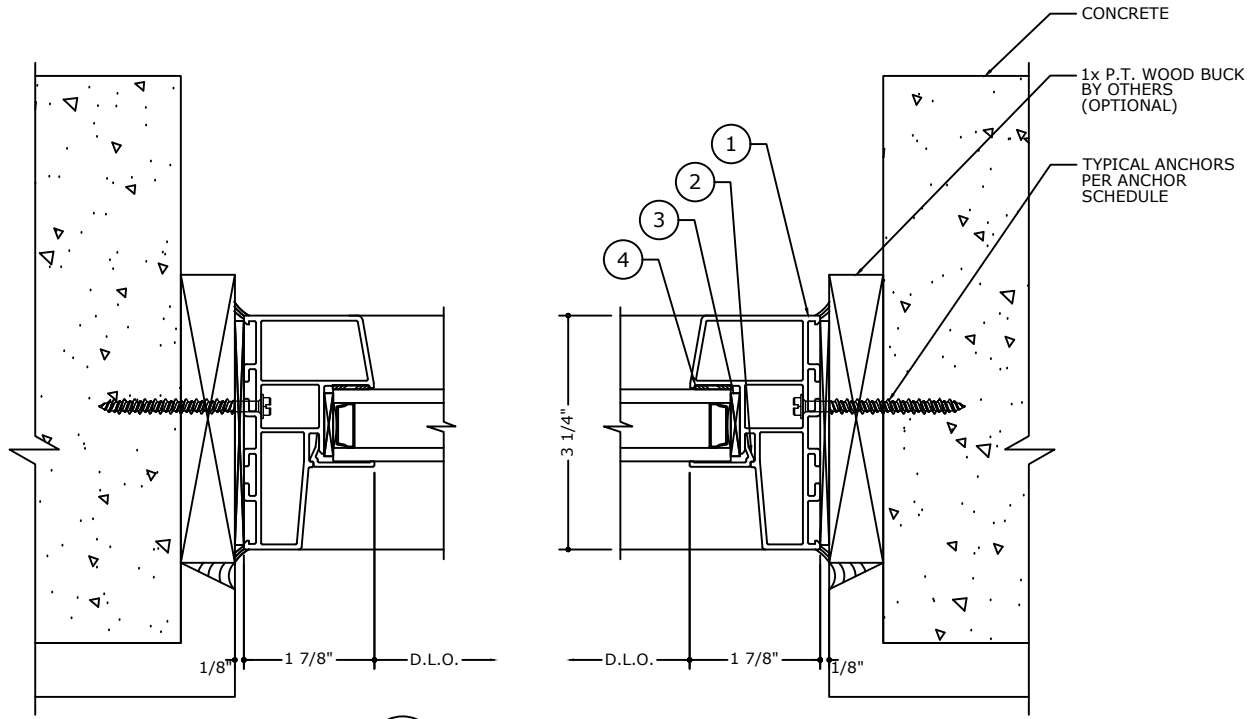
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08/18/2026



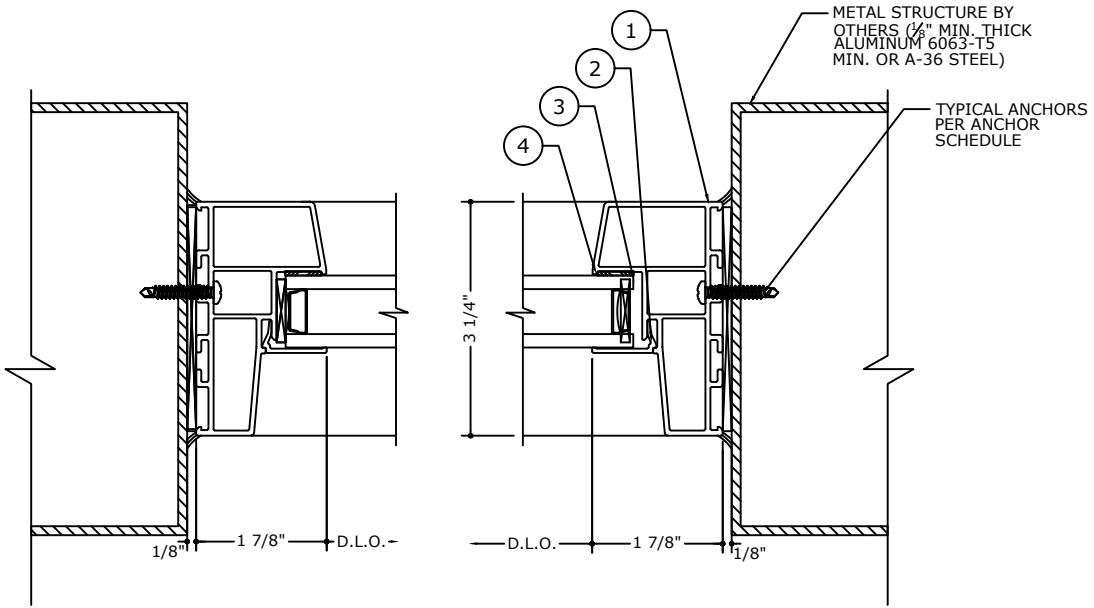
3 HEAD DETAIL
SUNROOM CONDITION



3.1 HEAD DETAIL
WOOD CONDITION



3.2 HEAD DETAIL
CONCRETE CONDITION



3.3 HEAD DETAIL
ALUMINUM /STEEL

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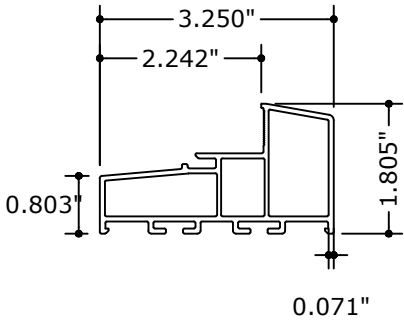
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FBC 2023 UPDATE	07/12/23	SQ	RS
FBC 2026 UPDATE	08/18/26	MZ	MIN

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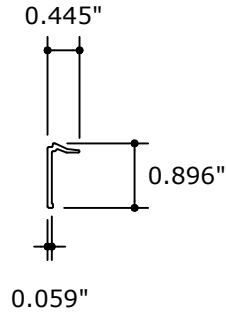
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SYSTEM COMPONENTS



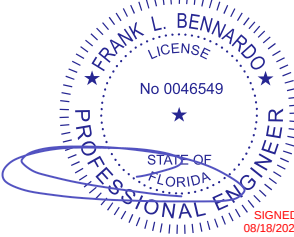
01 PW-3001
FRAME



02 BV56
GLAZING BEAD

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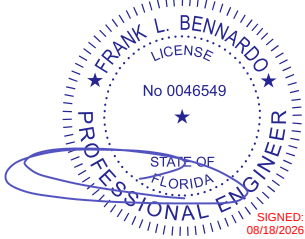
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BILL OF MATERIALS			
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL
01	PW-3001	HEAD, SILL, JAMB FRAME	VINYL
02	BV56	GLAZNG BEAD (1")	VINYL
03	GLAZING SHIM	TREMCO GLAZING SHIM	-
04	DOUBLE FACE TAPE	ARLON, ADHESIVE RESEARCH, VENTURE	-
05	79500	WEEP COVER	-
06	AC12	HEAD EXPANDER	VINYL
07	GLAZING SHIM	TREMCO GLAZING SHIM	-
08	DOUBLE FACE TAPE	ARLON, ADHESIVE RESEARCH, VENTURE	-
09	79500	WEEP COVER	-
10	9946	INSTALLATION HOLE PLUG	-

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