53 1/8" 53 1/8" WINDOW WIDTH WINDOW WIDTH 48 1/4" 48 1/4" D.L. OPG. W. (FIXED) D.L. OPG. W. (FIXED) FALSE MUNTINS FALSE MUNTINS 6" MAX. JAMB CORNERS 21" MAX. 21" MAX. 6" MAX. JAMB CORNERS (SURFACE APPLIED) (SURFACE APPLIED) $\begin{pmatrix} A \\ 3 \end{pmatrix}$ HEAD/SILL HEAD/SILL MAY BE USED MAY BE USED 3 .9 <u>D</u> D MAX ADDL. ANCHORS 4/ \$ 5/8" OPG. | 4 AS REQD. SEE CHART 33 FOR CAPACITY 5/8" OPG. I B 3 76 3/4" WINDOW HEIGHT ADDL. ANCHOR 52 AS REQD. SEE CHART FOR CAPACITY 9/ 5/8" HEIGHT 4 5/8" 33 40 VENT 1/8" HEIGHT 13 5/8" MAX. JAMBS 14 5/8" D.L.O. $\binom{\mathsf{C}}{\mathsf{3}}$ C 3 21 VENT 5 1/2" MAX. 5 1/2" MAX. 47 5/8" 47 7/8" HEAD/SILL HEAD/SILL CORNERS CORNERS D.L. OPG. (VENT) D.L. OPG. (VENT) 49 7/8" 50 1/4" VENT WIDTH VENT WIDTH TYPICAL ELEVATION TYPICAL ELEVATION **EQUAL LITES** UNEQUAL LITES

THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED

SERIES 747 HIGH PERFORMANCE ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL

WILL APPLY TO ENTIRE SYSTEM. CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

LAMINATED GLASS LARGE MISSILE IMPACT

Sealed: 9/29/20

- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT
- B-THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FL #21857



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AL-FAROOQ CORPORATION
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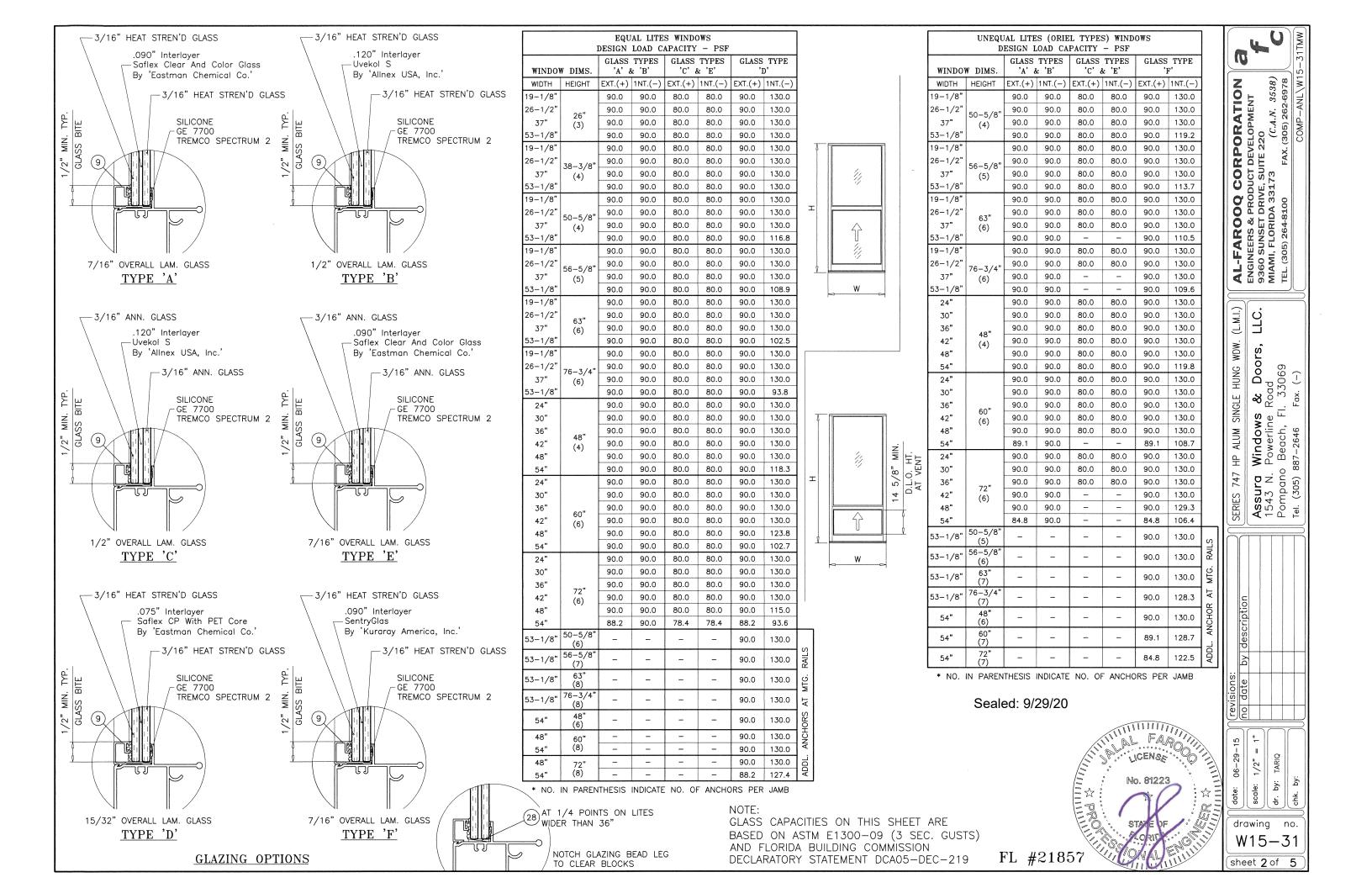
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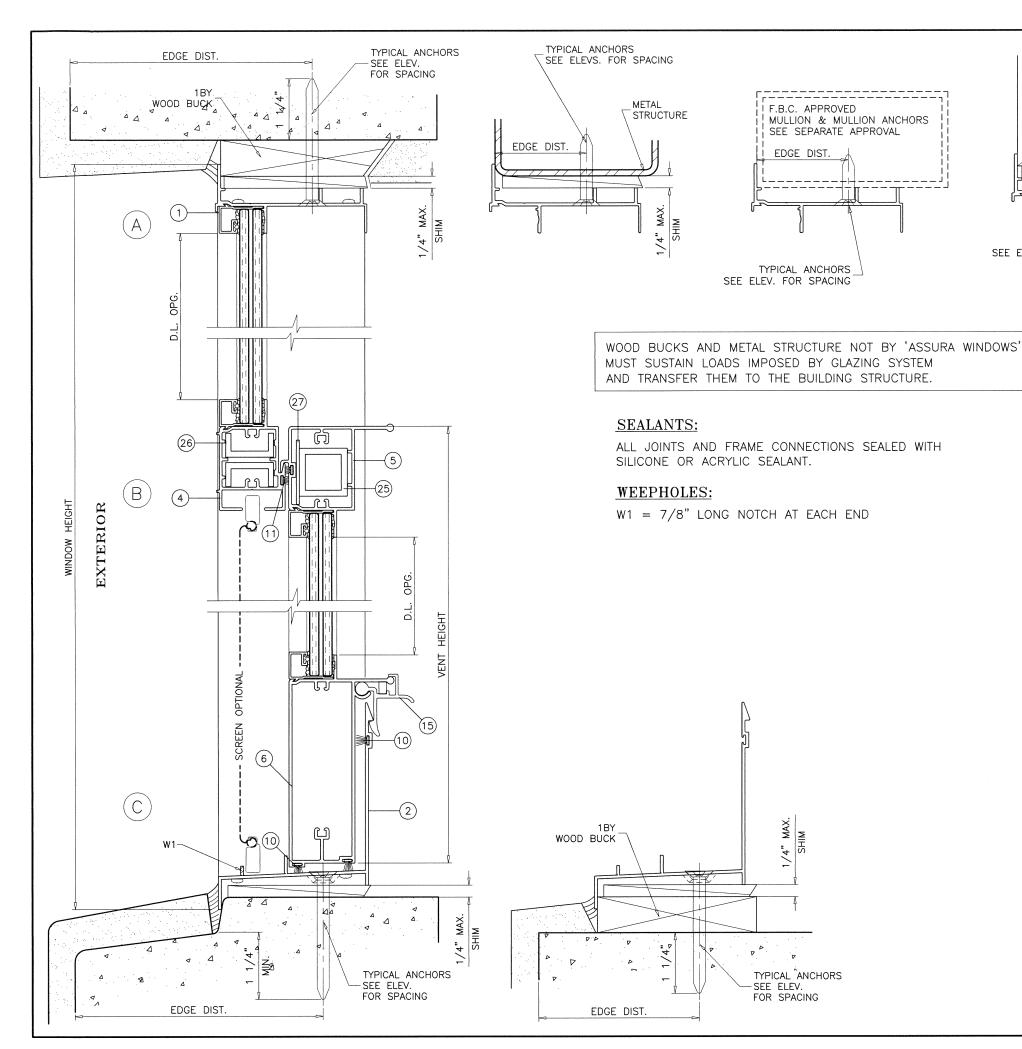
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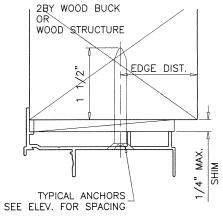
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sheet 1 of 5







TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

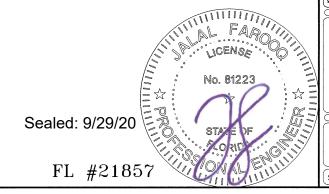
#12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO F.B.C. APPROVED MULLIONS (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (NO SHIMS) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (NO SHIMS) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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Doors, & Doo Road 1. 33069 Fax. (-) Windows & Powerline Rd Beach, Fl. 887–2646 Fa Assura W 1543 N. P Pompano Tel. (305) 88

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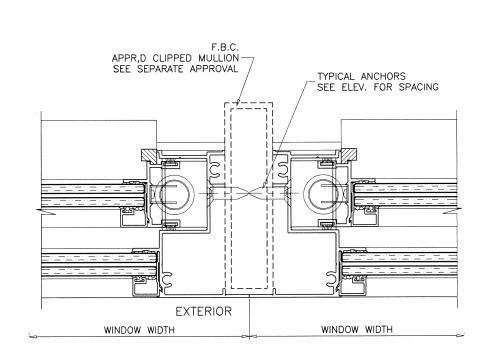
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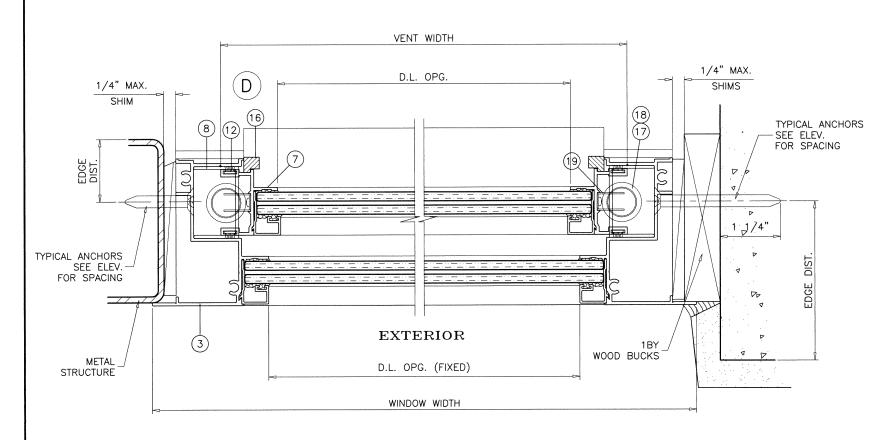
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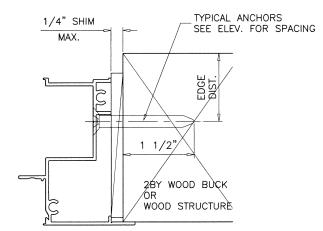
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sheet 3 of 5



ITEM	PART #	QTY.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS	
1	TM-131A	1	FRAME HEAD	6063-T6	_	
2	GW-37731	1	FRAME SILL	6063-T6	_	
3	TM-130	2	FRAME JAMB	6063-T6	_	
4	TM-137	1	MEETING RAIL	6063-T6	_	
5	TM-140	1	VENT TOP RAIL	6063-T6	_	
6	GW-37730	1	VENT BOTTOM RAIL	6063-T6	_	
7	GW-31134	2	VENT JAMB STILE	6063-T6	_	
8	GW-31470	2	VENT STOP	6063-T6	_	
9	TM-141B	4/VENT	GLAZING BEAD	6063-T6	_	
10	W43371	(2) STRIP	FIN SEAL WEATHERSTRIP		BOTTOM RAIL/FRAME SILL	
11	W43201	(1) STRIP	FIN SEAL WEATHERSTRIP	_	VENT TOP/MTG.RAIL	
12	W31225	(2) STRIP	FIN SEAL WEATHERSTRIP		VENT JAMB STILES	
14	P5043	2	1 3/8"x7/8"x1/2" FINSEAL PAD	_	FRAME SILL CORNERS	
15	TM-118A	2/VENT	SPRING LOADED EGRESS LOCK	6063-T6	VENT BOTT. RAIL, 6" FROM ENDS	
16	_	4/VENT	VENT GUIDE	NYLON	VENT INT. CORNERS	
17	_	2/VENT	CALDWELL SPIRAL BALANCES		AT FRAME JAMBS	
18	WVR-9302	2/VENT	BALANCE COVER	VINYL	FRAME HEAD/JAMBS	
19	N69	2/VENT	CALDWELL BALANCE CLIP		VENT BOTT. CORNERS	
20	_	2	#12 x 3/4" P.H. SMS	STEEL	(1) AT EACH BALANCE	
21	_	2/ CORNER	#12 x 1" P.H. SMS	STEEL	FRAME CORNERS & MTG. RAIL CORNERS	
22	_	2/ CORNER	#10 x 1" P.H. SMS	STEEL	VENT CORNERS	
24	_	4	#6 x 3/8" F.H. SMS.	STEEL	AT EA. PLASTIC GUIDE	
25	_	2	1/2" X 1" X 1/8" REINF. CHANNEL	6063-T5	AT MTG. RAIL	
26	_	1	1 X 1 X 1/8" REINF. TUBE	6063-T5	AT VENT TOP RAIL	
27		1	1-3/8 X 1/16" REINF. BAR	6063-T5	AT VENT TOP RAIL	
28	_	2/ LITE	SETTING BLOCKS, 1/16" X 1/2" X 4" LONG	EPDM	DUROMETER 80±5 SHORE A	





Sealed: 9/29/20

FL #21857

SERIES 747 HP ALUM SINGLE HUNG WDW. (L.M.I.)

Assura Windows & Doors, 1543 N. Powerline Road Pompano Beach, Fl. 33069 Tel. (305) 887–2646 Fax. (-)

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