

s:\projects\caoba doors\c-20-0904 fbc 2020 (version 7) code change\dwgs\fl14295\cab036 - double hung window large missile impact (2)new.dwg 12/21/2020 7:14 PM

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE) 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, 2000 PSI MIN. COMPRESSIVE STRENGTH.
 - GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- WINDOW FRAME MATERIAL: MAHOGANY
- THE MINIMUM SPECIFIC GRAVITY OF TRUE MAHOGANY SHALL BE G=0.45 OR THE SPECIFIC GRAVITY OF ANY NATURALLY DURABLE WOOD G>0.45 AND WITH THE MINIMUM GRADE 2 AS DEFINED BY THE CURRENT FLORIDA BUILDING CODE.
- ALL WOOD PRODUCTS SHALL NOT BE IN DIRECT CONTACT WITH THE SUBSTRATES, I.E. CONCRETE, MANSONRY, REINFORCED CMU, ETC., USING "WOLMAN EHT" WATER REPELLANT PRESERVATIVE AS MANUFACTURED BY ZINSSER CO. INC OR EQUIVALENT COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAIL.

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SHEET	REVISION	SHEET DESCRIPTION
1	C	INSTALLATION & GENERAL NOTES
2	A	ELEVATION & ANCHOR LAYOUT
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4	A	HORIZONTAL SECTIONS
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6	A	COMPONENTS & BILL OF MATERIAL

DESIGN PRESSURE RATING		
SIZE	DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
54" X 84"	+100/-100 PSF	SMALL AND LARGE MISSILE IMPACT RATED



4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

PH: (215) 525-5048 FX: (215) 747-8908

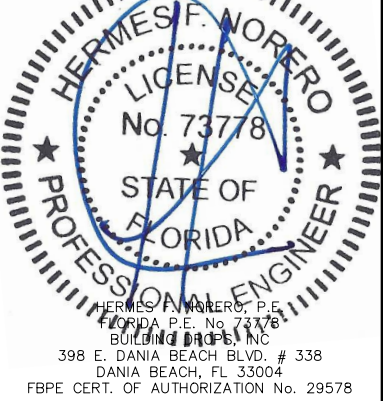
TITLE:
ALUMINUM CLAD DOUBLE HUNG WINDOW
(HVHA)/(IMPACT)
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.12.21 21:33:44 -05'00'



FL #:
FL14295

DATE: **10.30.20**

DWG. BY:
ER

CHK. BY:
HFN

SCALE: **NTS**

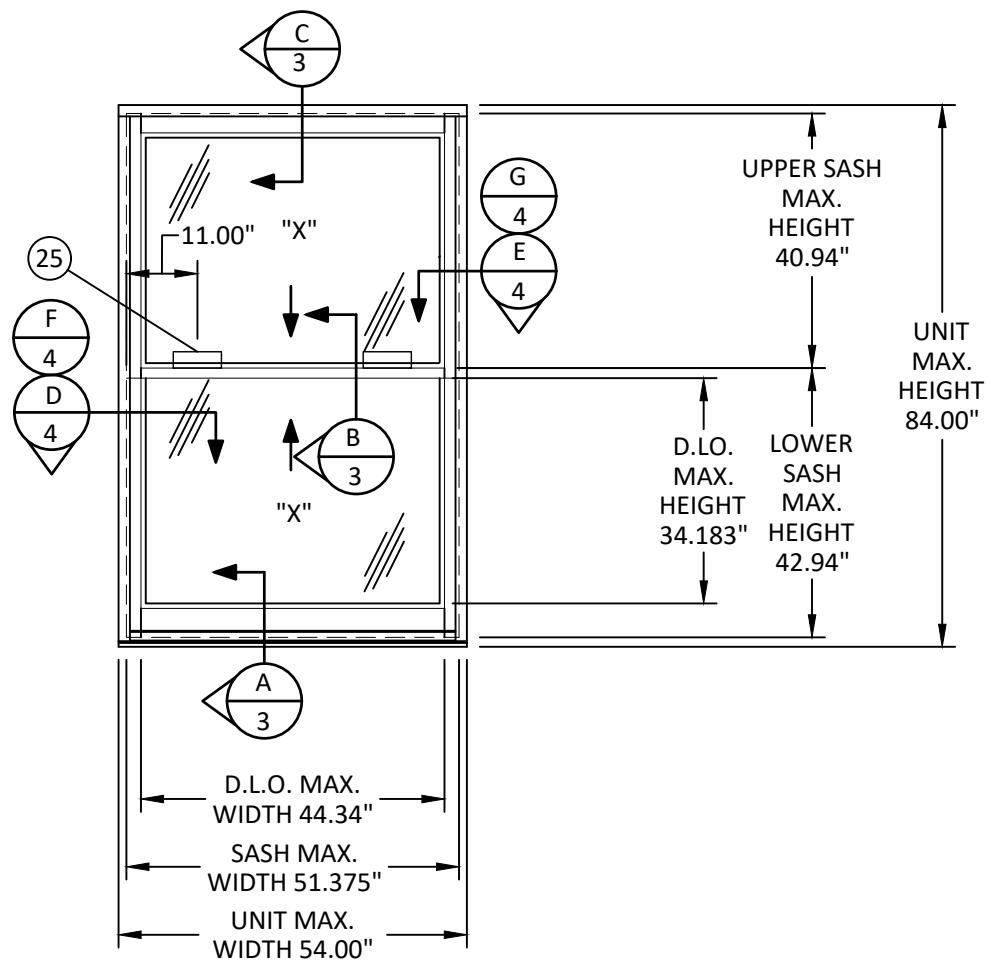
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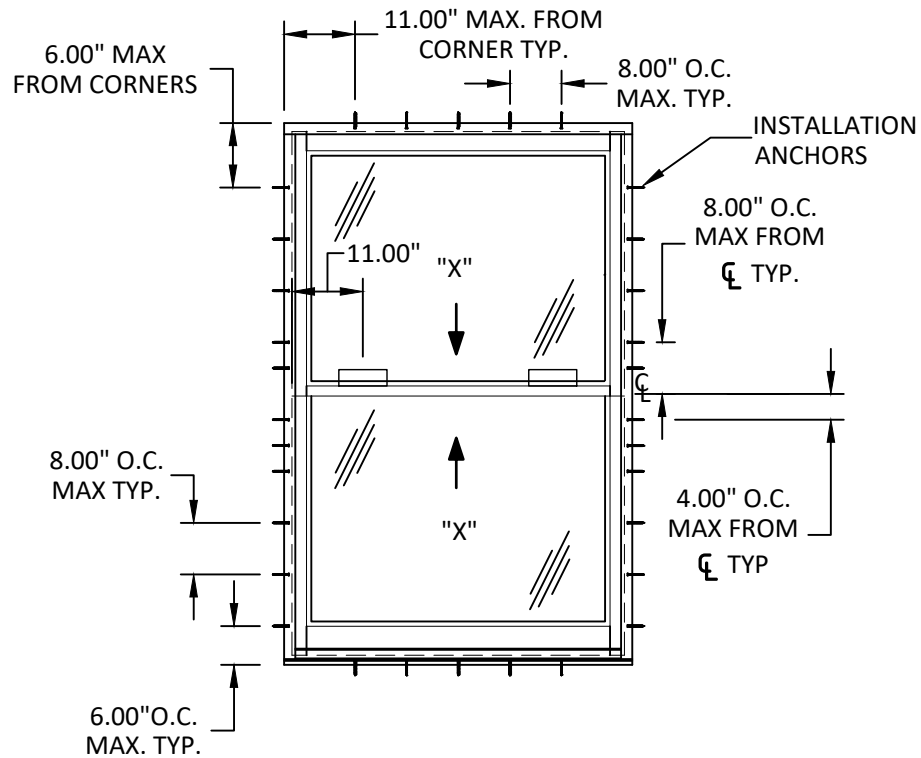
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ELEVATION



ANCHOR LAYOUT

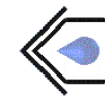


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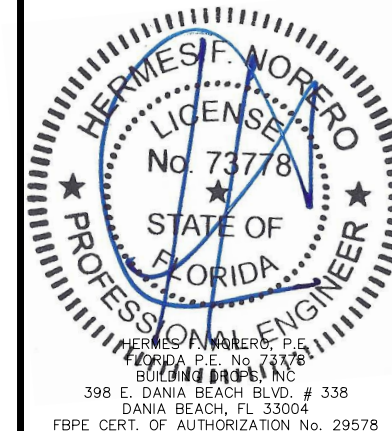
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ELEVATION & ANCHOR LAYOUT

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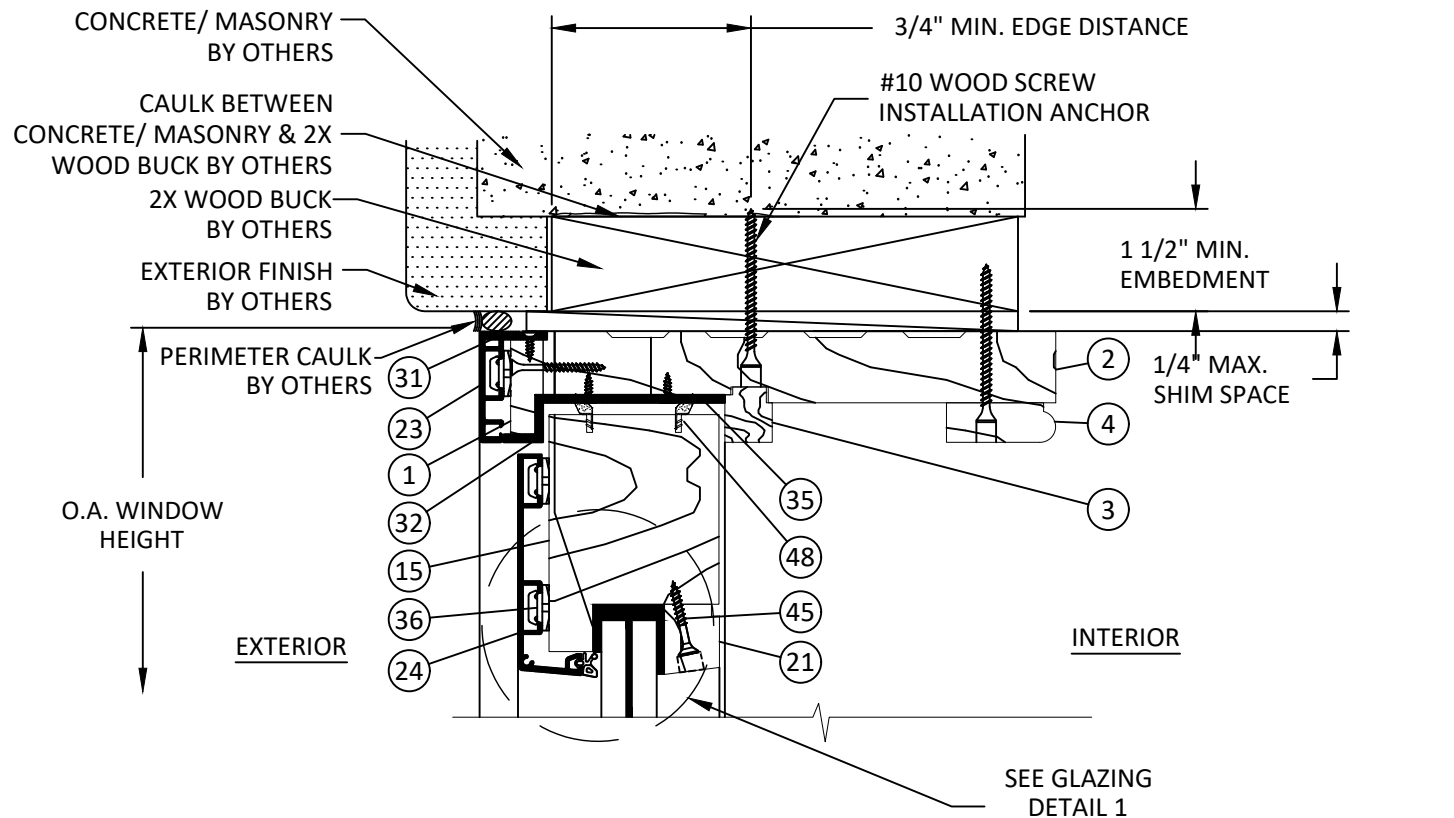
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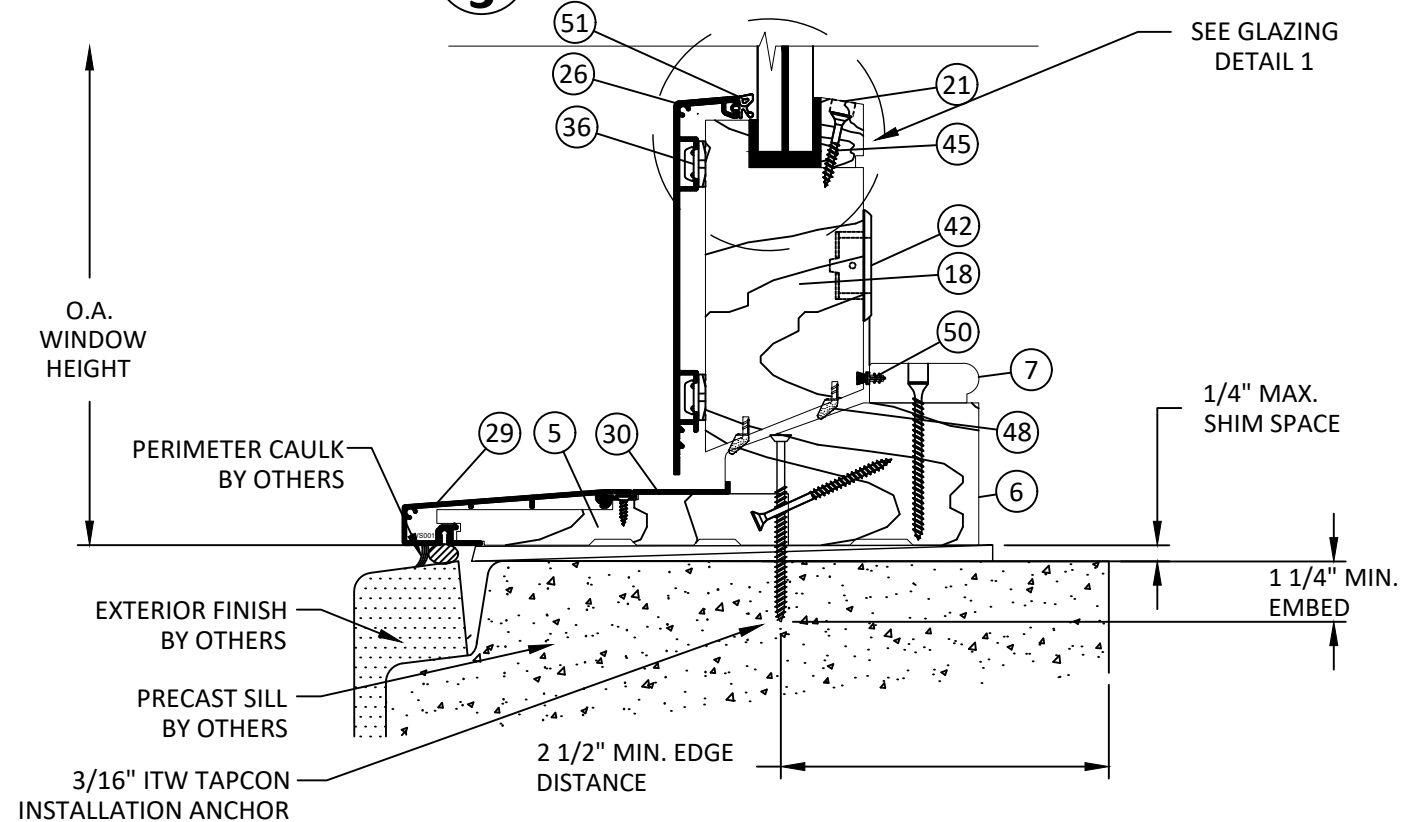
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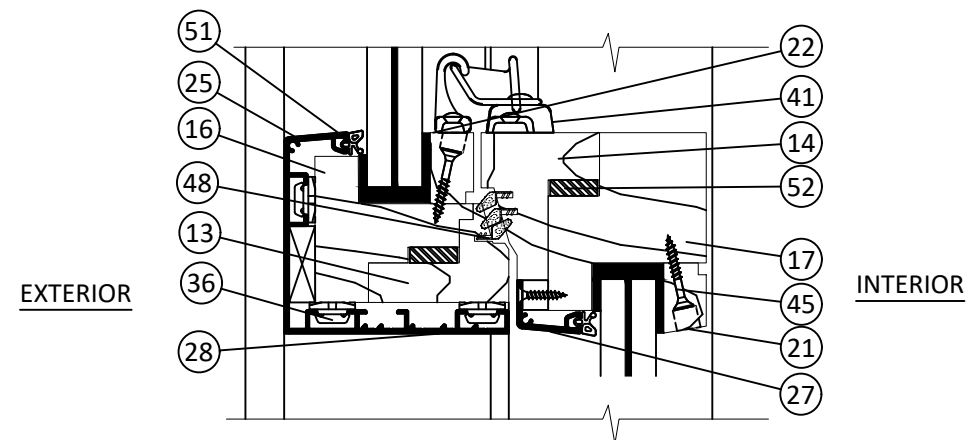


C3 VERTICAL SECTION



A3 VERTICAL SECTION

SILL - CONCRETE/MASONRY PRE-CAST SILL

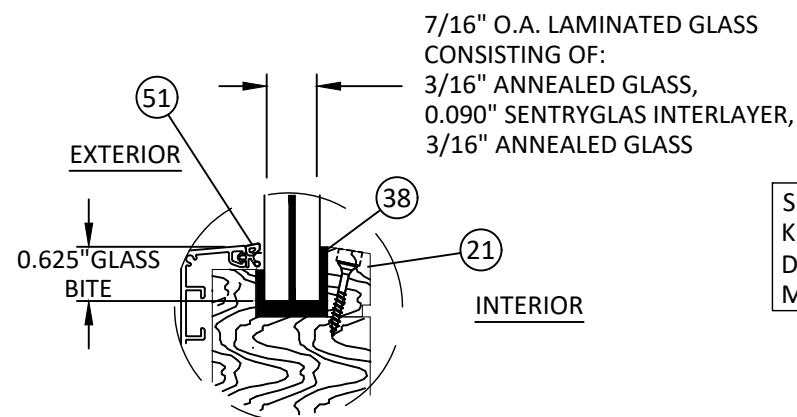


B3 VERTICAL SECTION

MEETING RAIL

NOTE:

1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
3. SETING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



SENTRYGLAS INTERLAYER BY KURARAY (PREVIOUSLY DUPONT) UNDER CURRENT MIAMI-DADE COUNTY NOA

caoba
DOORS

4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

PH: (215) 525-5048 FX: (215) 747-8908

TITLE: ALUMINUM CLAD DOUBLE HUNG WINDOW (HVHA)(IMPACT)
VERTICAL SECTIONS & GLAZING DETAIL

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338

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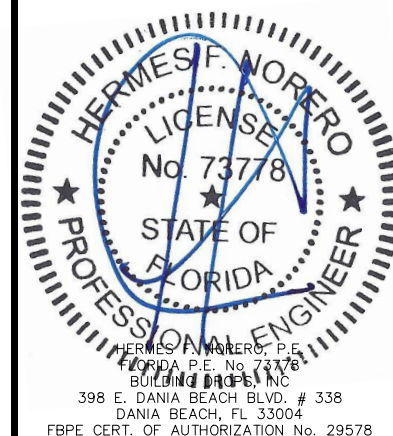
FAX: (954) 744-4738

WEB: www.buildingdrops.com



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CHK. BY: HFN

SCALE: NTS

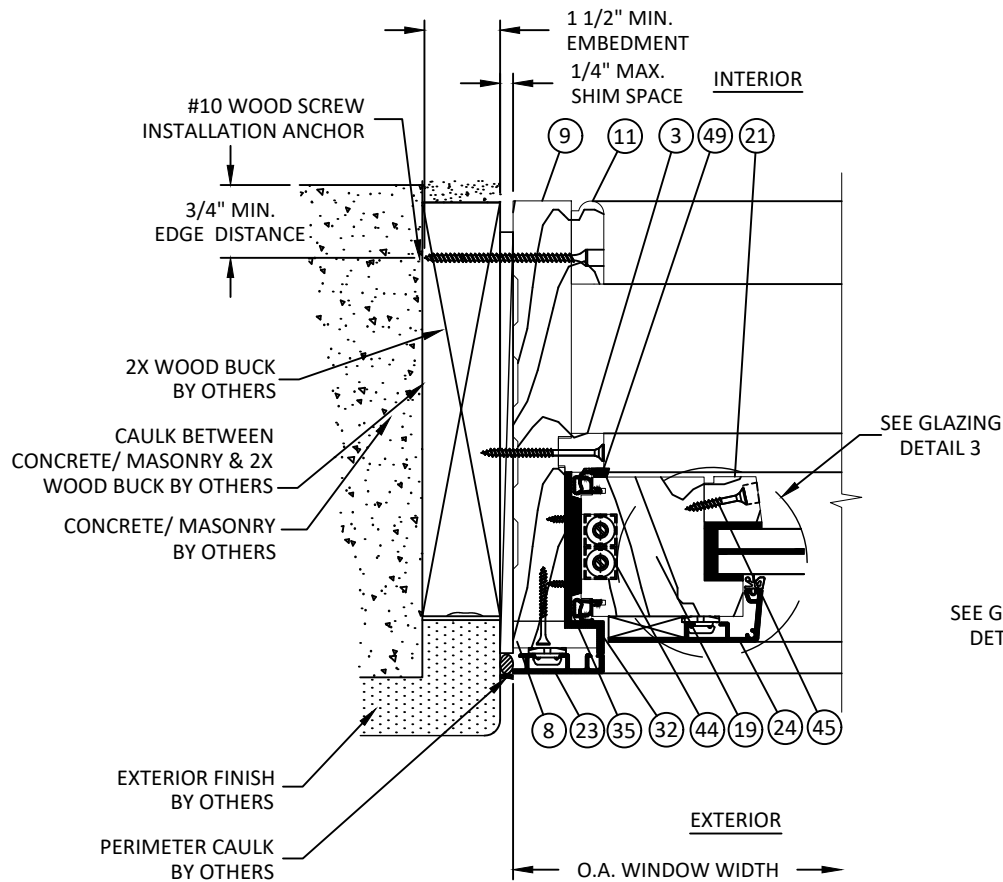
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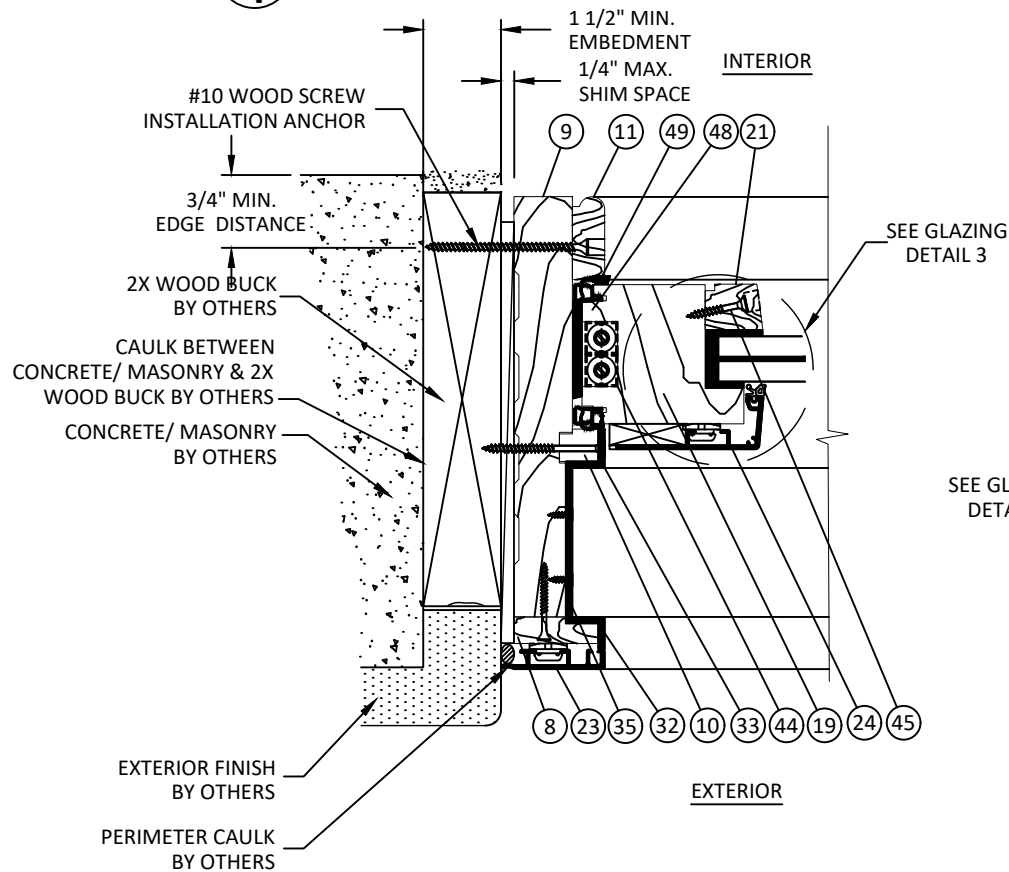
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OF 6

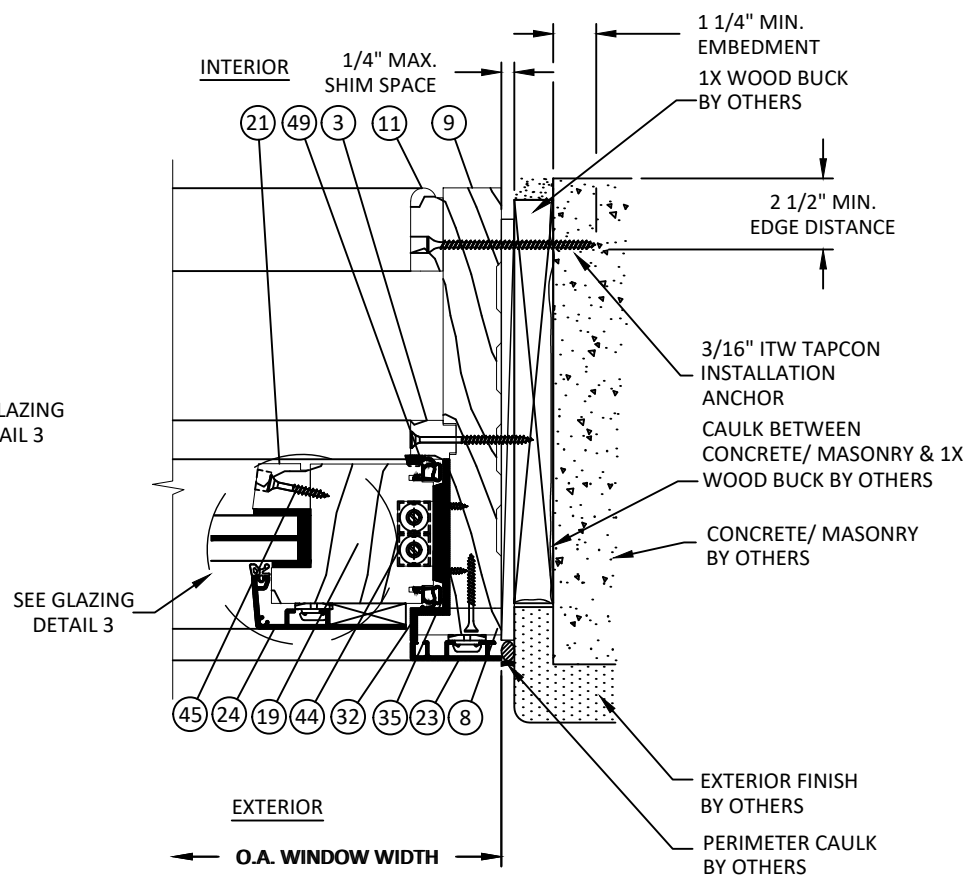
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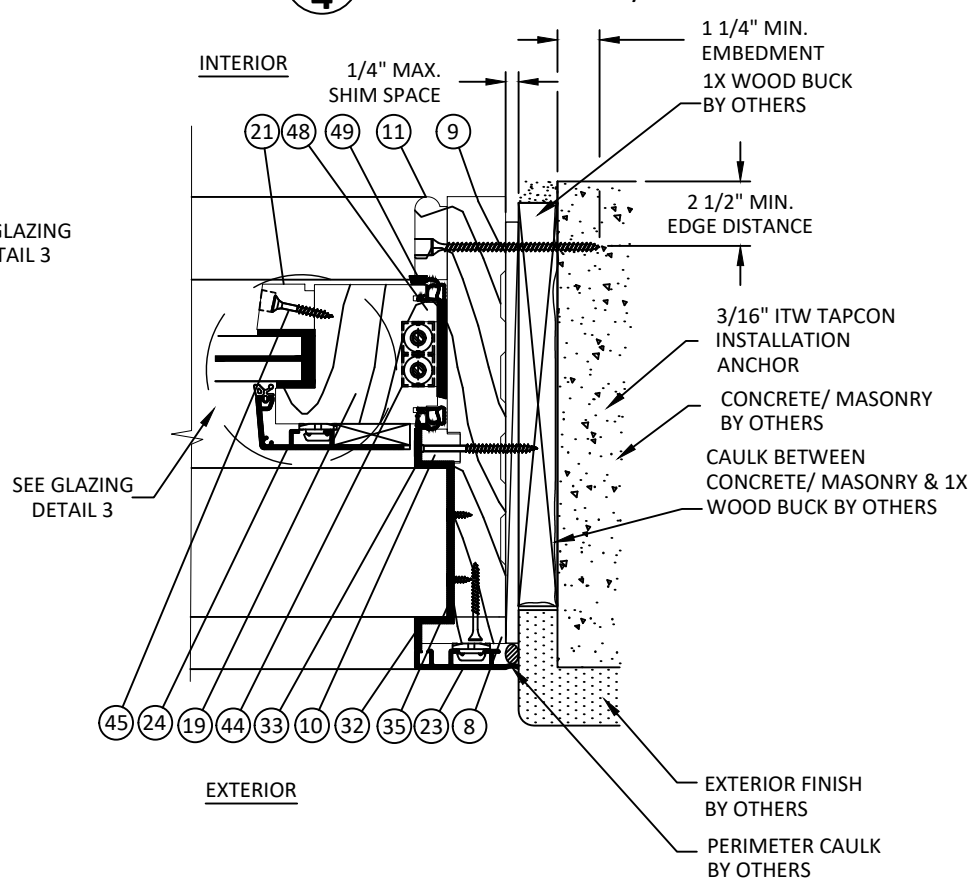
D
4
HORIZONTAL SECTION
JAMB - 2X WOOD BUCK



F
4
HORIZONTAL SECTION
JAMB - 2X WOOD BUCK



E
4
HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY



G
4
HORIZONTAL SECTION
JAMB - CONCRETE/MASONRY

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DOORS

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(HVHA)(IMPACT)
HORIZONTAL SECTIONS

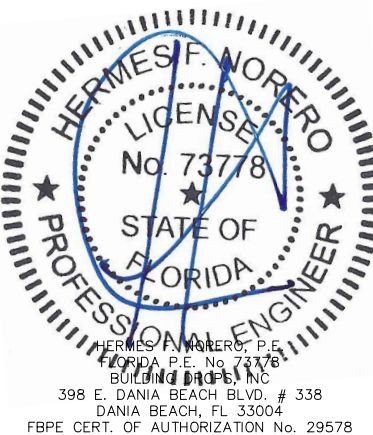
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DANIA BEACH, FL 33004
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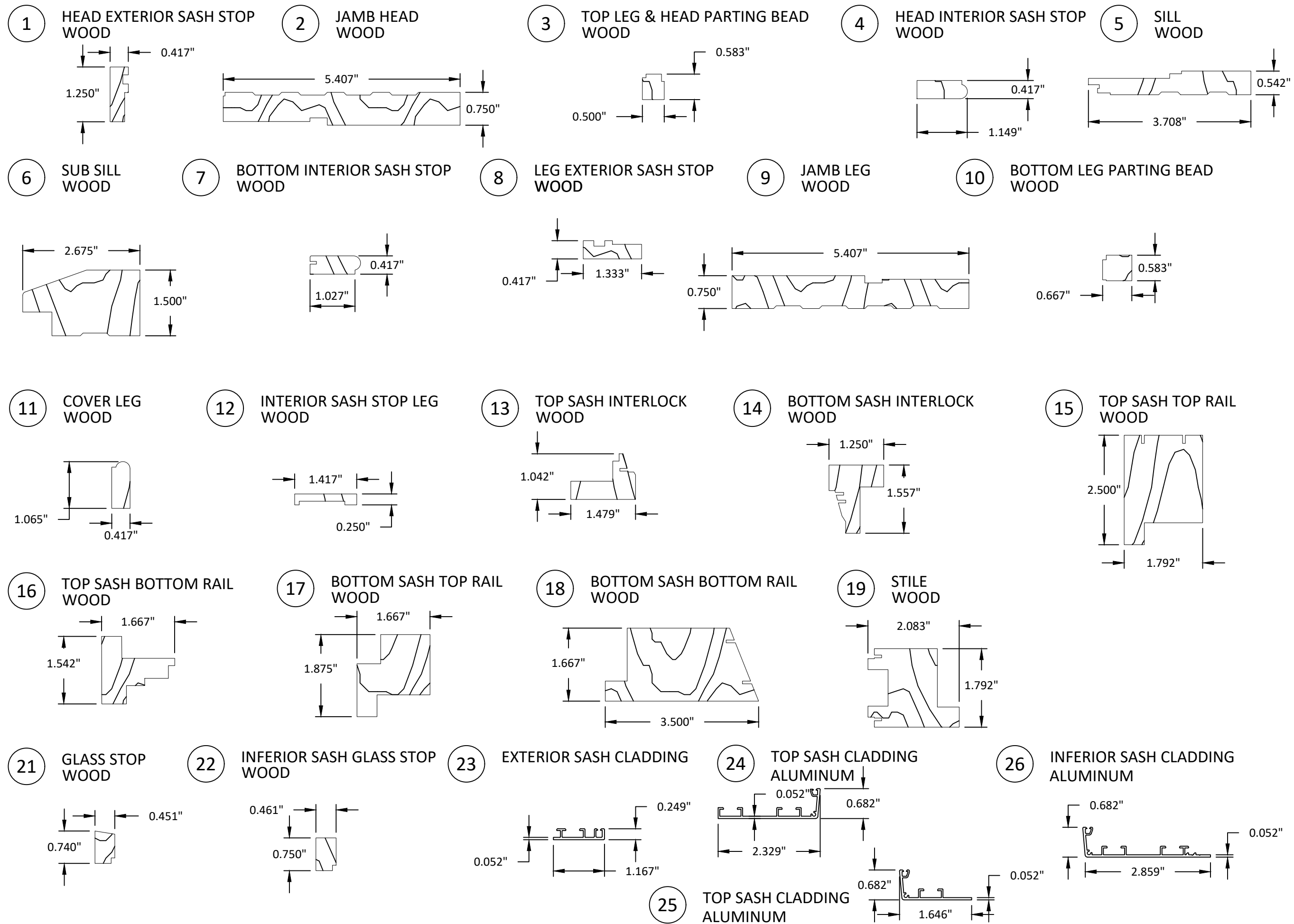
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DWG. BY:	ER
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CAB036
SHEET:	4

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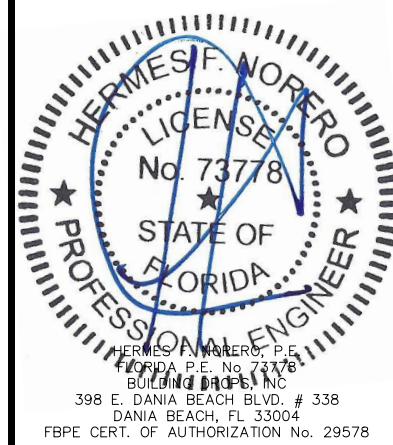
TITLE: ALUMINUM CLAD DOUBLE HUNG WINDOW (HVHA)(IMPACT) COMPONENTS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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HERMES F. MORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL14295**

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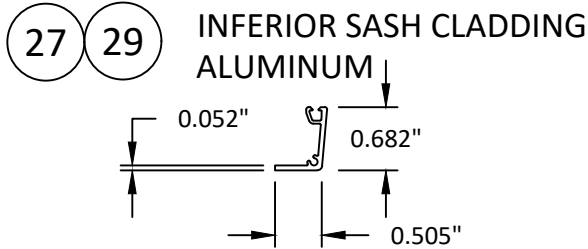
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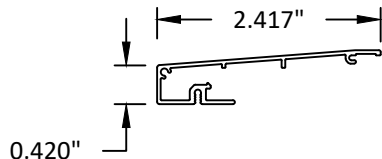
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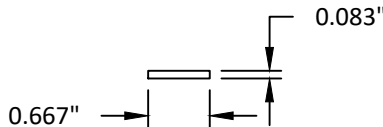
BILL OF MATERIALS				
ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER	MATERIAL
1	---	HEAD EXTERIOR SASH STOP	CAOBA DOORS	WOOD
2	---	JAMB HEAD	CAOBA DOORS	WOOD
3	---	TOP LEG AND & PARTING BEAD	CAOBA DOORS	WOOD
4	---	HEAD INTERIOR SASH STOP	CAOBA DOORS	WOOD
5	---	SILL	CAOBA DOORS	WOOD
6	---	SUB SILL	CAOBA DOORS	WOOD
7	---	BOTTOM INTERIOR SASH STOP	CAOBA DOORS	WOOD
8	---	LEG EXTERIOR SASH STOP	CAOBA DOORS	WOOD
9	---	JAMB LEG	CAOBA DOORS	WOOD
10	---	BOTTOM PARTING BEAD	CAOBA DOORS	WOOD
11	---	COVER LEG	CAOBA DOORS	WOOD
12	---	INTERIOR SASH STOP LEG	CAOBA DOORS	WOOD
13	---	TOP SASH INTERLOCK	CAOBA DOORS	WOOD
14	---	BOTTOM SASH INTERLOCK	CAOBA DOORS	WOOD
15	---	TOP SASH TOP RAIL	CAOBA DOORS	WOOD
16	---	TOP SASH BOTTOM RAIL	CAOBA DOORS	WOOD
17	---	BOTTOM SASH TOP RAIL	CAOBA DOORS	WOOD
18	---	BOTTOM SASH BOTTOM RAIL	CAOBA DOORS	WOOD
19	---	STILE	CAOBA DOORS	WOOD
21	---	GLASS STOP	CAOBA DOORS	WOOD
22	---	INFERIOR SASH GLASS STOP	CAOBA DOORS	WOOD
23	SW1000	EXTERIOR SASH STOP FRAME CLADDING	EXTRALUM	ALUMINUM
24	SIM001	TOP SASH TOP RAIL & STILES SASH CLADDING	EXTRALUM	ALUMINUM
25	SIM001	TOP SASH BOTTOM RAIL SASH CLADDING	EXTRALUM	ALUMINUM
26	SIM001	INFERIOR SASH BOTTOM RAIL SASH CLADDING	EXTRALUM	ALUMINUM
27	SIM001	INFERIOR SASH TOP RAIL SASH CLADDING	EXTRALUM	ALUMINUM
28	SIM001	TOP SASH BOTTOM RAIL COVER SASH CLADDING	EXTRALUM	ALUMINUM
29	JWS001	SILL CLADDING	EXTRALUM	ALUMINUM
30	JWC001	SILL EXTENSION CLADDING	EXTRALUM	ALUMINUM
31	F4181	TOP FRAME COVER CLADDING	METALS DEPOT	ALUMINUM
32	A313418	EXTERIOR SASH STOP COVER CLADDING	METALS DEPOT	ALUMINUM
33	A31118-6063	PARTING BEAD COVER CLADDING	METALS DEPOT	ALUMINUM
34	F418212	FRAME COVER CLADDING	METALS DEPOT	ALUMINUM
35	F41858	TOP SASH COVER CLADDING	METALS DEPOT	ALUMINUM
36	---	CLAD CLIP	PLASTIKA S.A.	PLASTIC
38	AWT3	1" X 1/16" GLAZING TAPE	ARLON	TAPE
39	795	SILICON SEALANT	DOWSIL	SILICONE
40	WS-305	SILICON SEALANT	SIKAFLEX	SILICONE
41	LKF14	SASH LOCK	PHELPS	BRASS
42	LFM26	SASH LIFT	PHELPS	BRASS
43	---	SASH LIMITER	CAOBA DOORS	BRONZE
44	84 Series	CONCEALED BALANCE	STRYBUC	---
45	10mm X 1 3/16"	MOULDING SCREW	SPAX	SST
46	W LSBOLT1000-15	PARTING BEAD SCREW	FFI	SST
47	#12 x 2 1/2"	FRAME SCREW	SPAX	SST
48	12407	WEATHERSTRIP	AMESBURY	URETHANE FOAM
49	SV5920	WEATHERSEAL	DEVENTER	URETHANE FOAM
50	K-051CL	WEATHERSEAL	AMESBURY	RUBBER
51	K 2030	CLAD WEATHERSEAL	TRELLEBORG	TSP-FOAM
REINFORCEMENTS				
52	1/4" x 3/4"	INTERLOCK REINFORCEMENT	METALS DEPOT	STEEL
53	1" x 1"	INTERIOR SASH STOP REINFORCEMENT	METALS DEPOT	STEEL



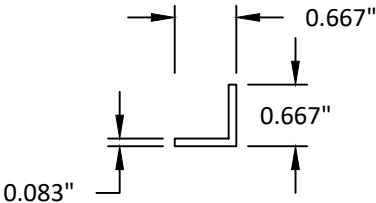
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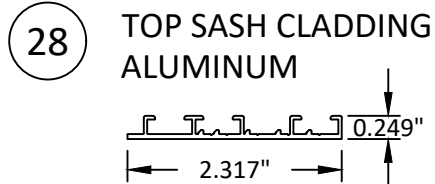
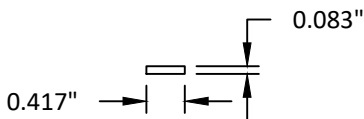
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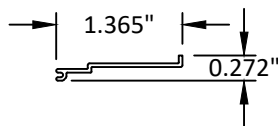
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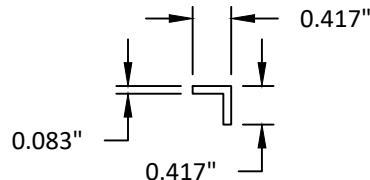
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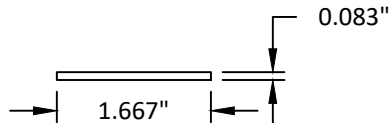
30 SILL EXTENSION CLADDING ALUMINUM



32 EXT. SASH STOP COVER CLAD. ALUMINUM



34 FRAME COVER CLADDING ALUMINUM



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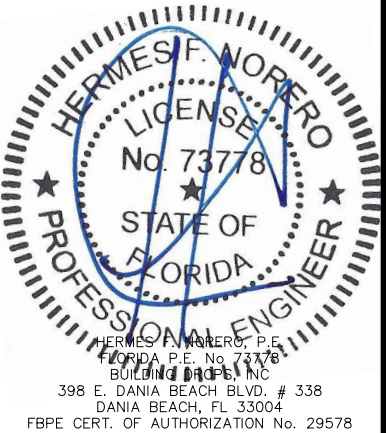
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OF	6