

INSTALLATION NOTES:

1.

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2.

THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3.

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.
4.

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.
5.

FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6.

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.
7.

FOR INSTALLATION THROUGH STEEL STUD USE #10 SELF-TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND STEEL STRUCTURE.
8.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9.

INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING:

• FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

• CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

10.

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.

11.

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.

12.

INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, 2000 PSI MIN. COMPRESSIVE STRENGTH.

D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 49 MILS. (18 GAUGE)

E. 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:
1.

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

2.

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.

3.

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.

4.

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.

5.

APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

6.

WINDOW FRAME MATERIAL: MAHOGANY

7.

THE MINIMUM SPECIFIC GRAVITY OF TRUE MAHOGANY SHALL BE SG=0.42 OR THE SPECIFIC GRAVITY OF ANY NATURALLY DURABLE WOOD SG>0.42.

8.

ALL WOOD PRODUCTS SHALL NOT BE IN DIRECT CONTACT WITH THE SUBSTRATES, I.E. CONCRETE, MASONRY, REINFORCED CMU, ETC., USING "WOLMAN EHT" WATER REPELLANT PRESERVATIVE AS MANUFACTURED BY ZINSSER CO. INC OR EQUIVALENT COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE.

9.

GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.
- CAOBA DOORS

MAHOGANY NARROW FRAME

DOUBLE HUNG WINDOW

(HVHZ)(IMPACT)
- | TABLE OF CONTENTS | |
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| 1 | INSTALLATION & GENERAL NOTES |
| 2 | ELEVATION & ANCHOR LAYOUT |
| 3 | VERTICAL SECTIONS |
| 4 | HORIZONTAL SECTIONS & GLAZING DETAIL |
| 5 | COMPONENTS |
| 6 | COMPONENTS & BILL OF MATERIAL |
- | DESIGN PRESSURE RATING | | |
|------------------------|-----------------------------|--------------------------------------|
| GLAZE TYPE | DESIGN PRESSURE - ALL SIZES | MISSILE IMPACT RATING |
| 1 | +70/-70 PSF | SMALL AND LARGE MISSILE IMPACT RATED |
-
- 4918 CEDAR AVENUE
PHILADELPHIA, PA 19143
- PH: (215) 525-5048 FX: (215) 747-8908
- TITLE:
MAHOGANY NARROW FRAME
DOUBLE HUNG WINDOW
(HVHZ) (IMPACT)
INSTALLATION & GENERAL NOTES
- PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com
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- | REMARKS | BY | DATE |
|-----------------|----|-------|
| 2026 FBC UPDATE | LS | 07/26 |
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- Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
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- FL #:
FL16750

DATE:
11.09.20

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RV

CHK. BY:
HFN

SCALE:
NTS

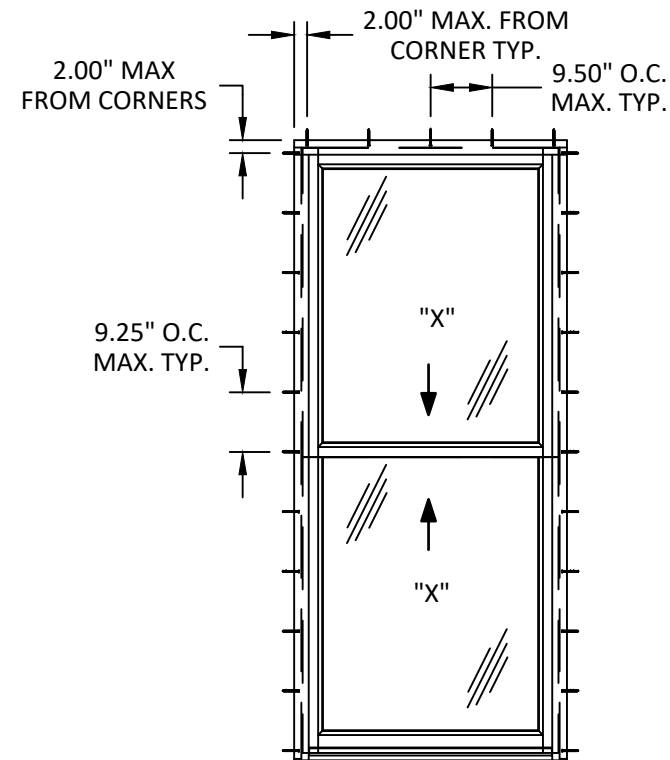
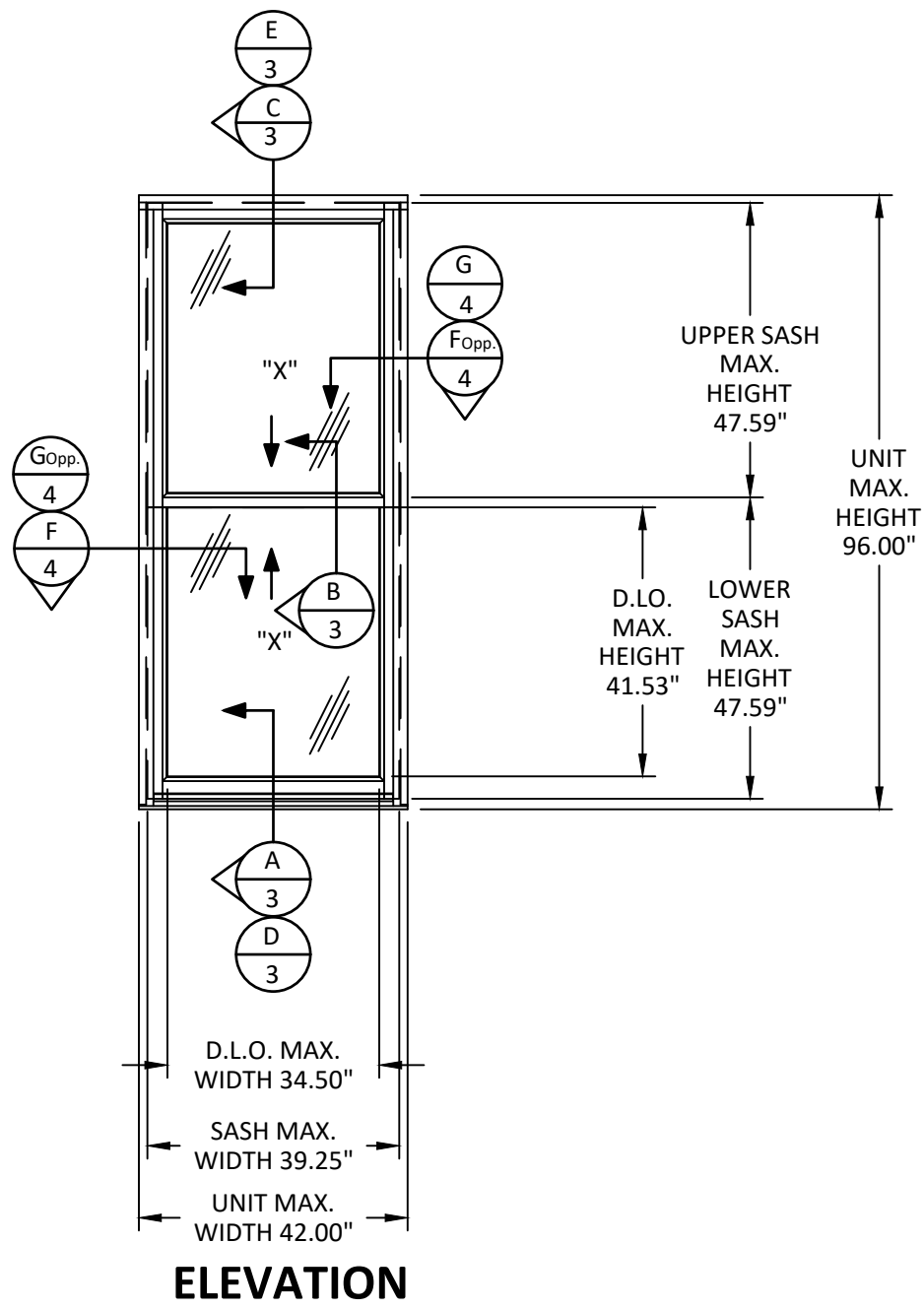
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PHILADELPHIA, PA 19143

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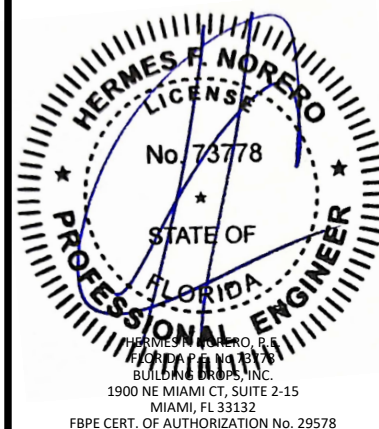
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DOUBLE HUNG WINDOW
(HVHZ) (IMPACT)
ELEVATION & ANCHOR LAYOUT

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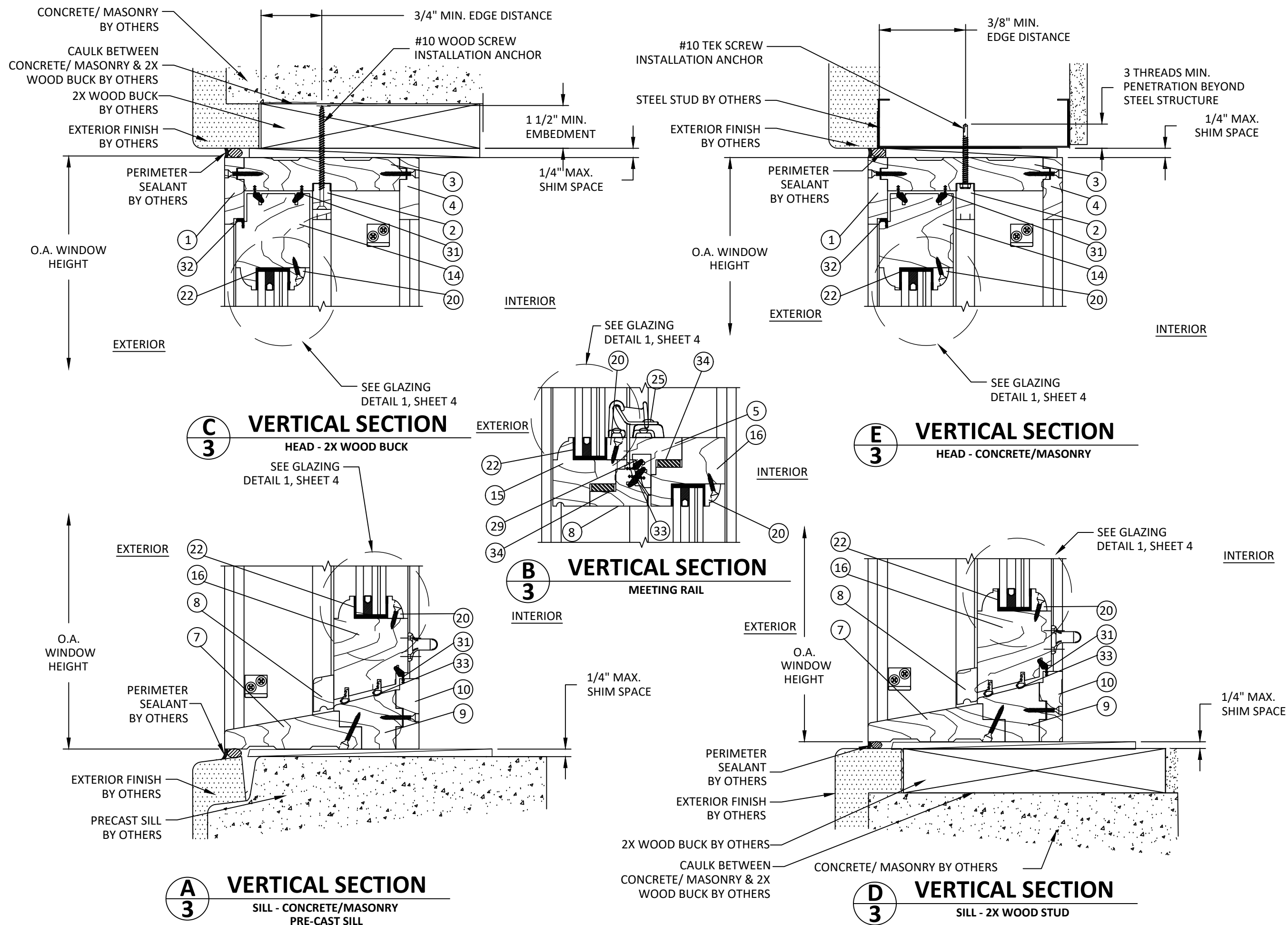


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OF 6	

**caoba[®]**
DOORS

4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

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

TITLE: MAHOAGANY NARROW FRAME
DOUBLE HUNG WINDOW
(HVHZ) (IMPACT)
VERTICAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15

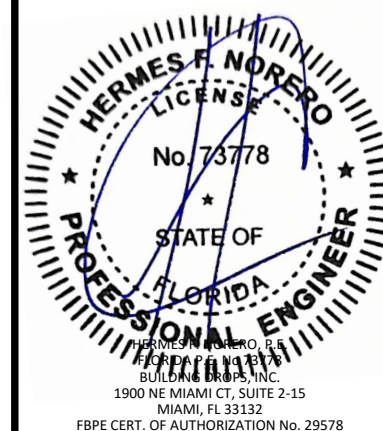
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BID
BUILDING & DESIGN

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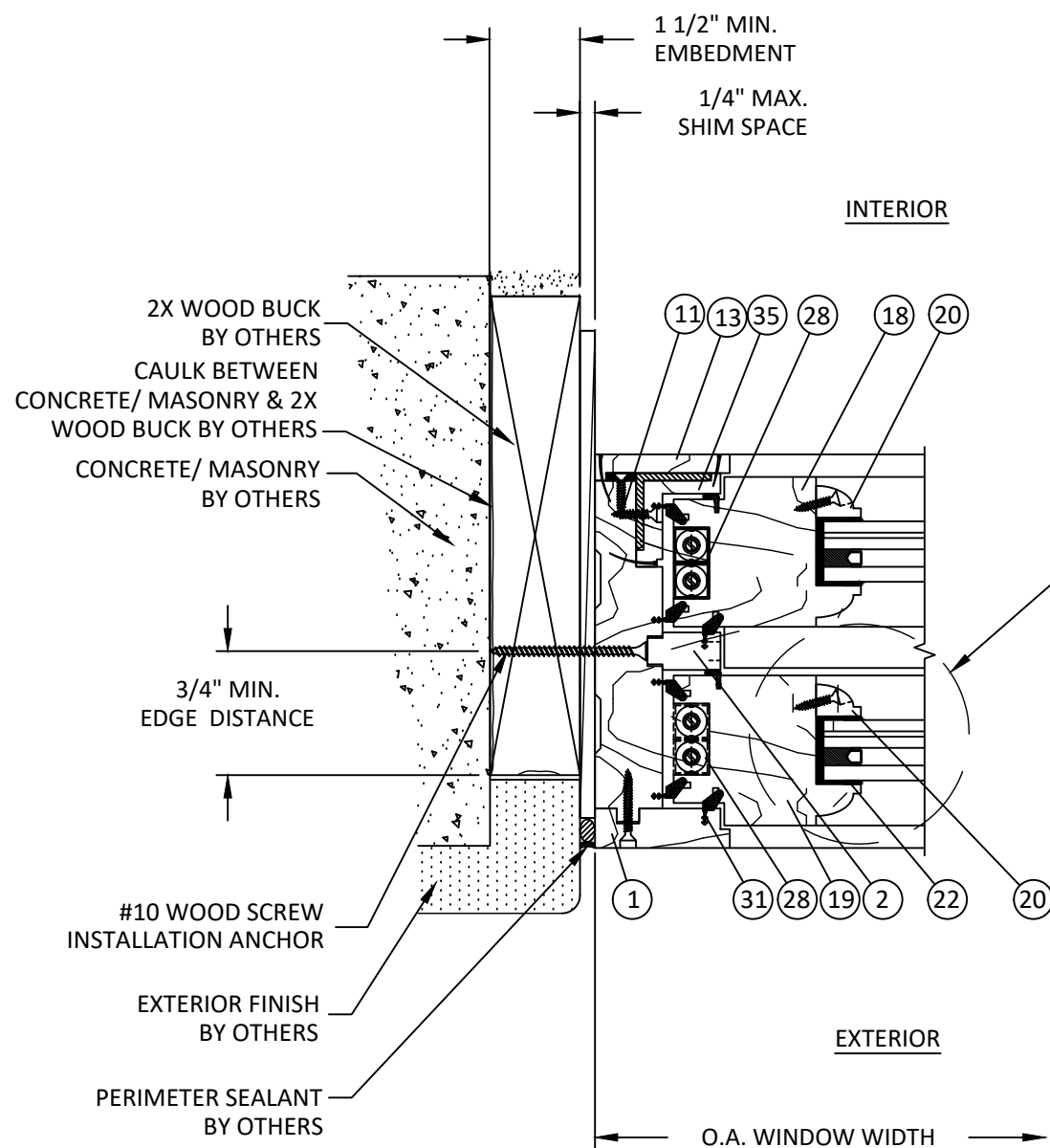
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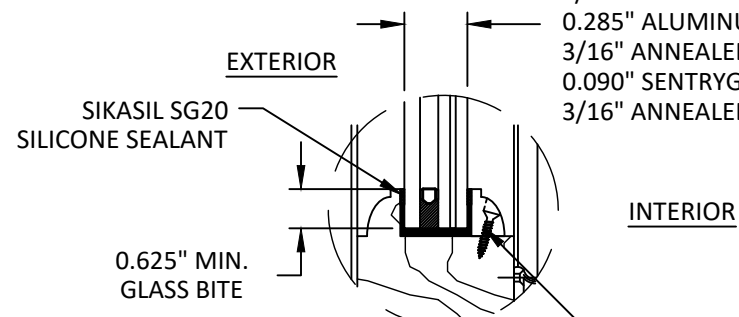
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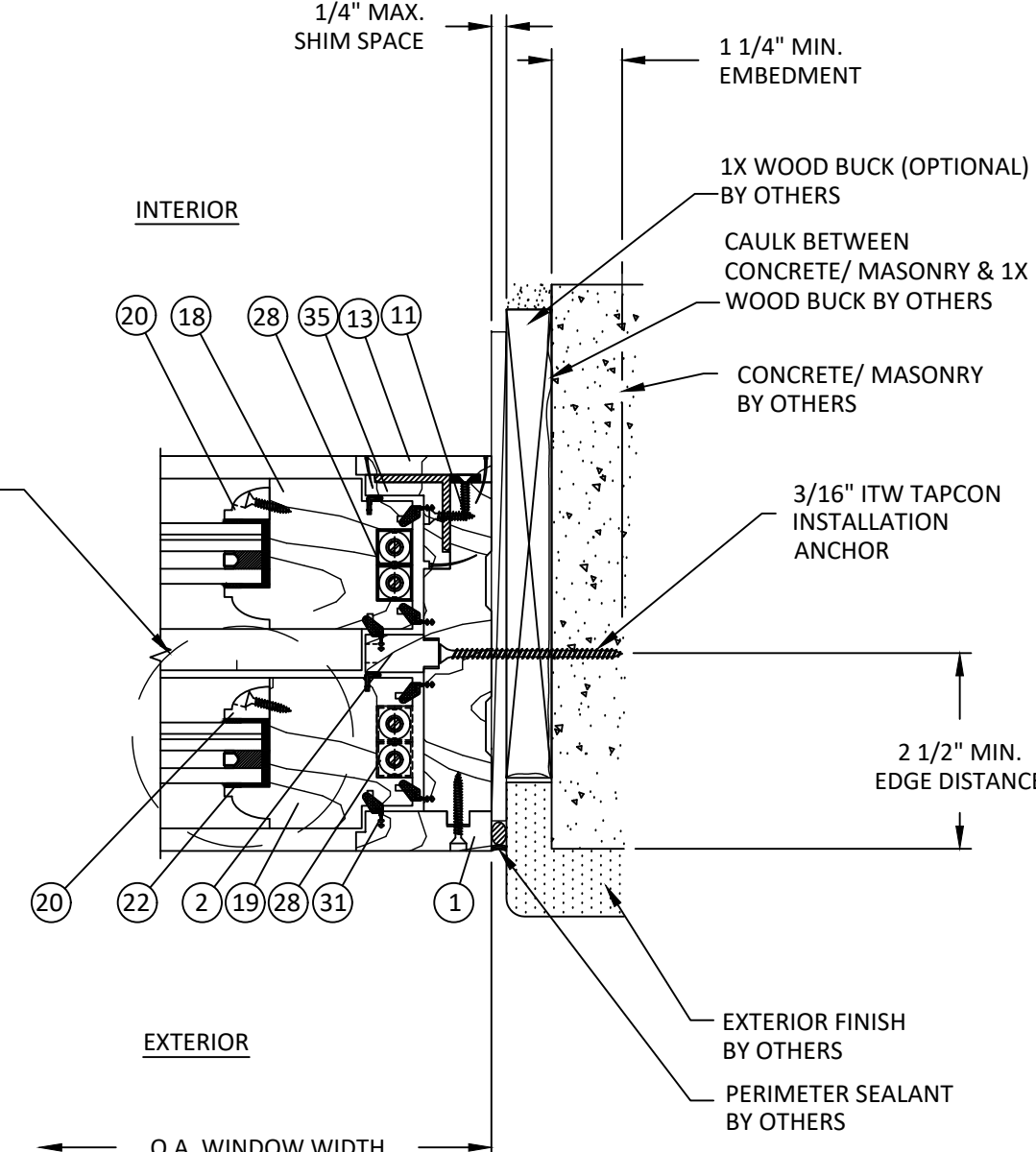
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4 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK



GLAZING DETAIL 1

#6 PHILLIPS FH CS WOOD SCREWS
SPACED 2" FROM CORNERS AND
9.5" O.C. THEREAFTER

1" O.A. LAMINATED I.G. GLASS
CONSISTING OF:
1/4" TEMPERED GLASS,
0.285" ALUMINUM AIR SPACER,
3/16" ANNEALED GLASS,
0.090" SENTRYGLAS INTERLAYER BY KURARAY,
3/16" ANNEALED GLASS



G
4 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY

- NOTE:**
- 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.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



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DOUBLE HUNG WINDOW
(HVHZ) (IMPACT)

HORIZONTAL SECTIONS & GLAZING DETAIL

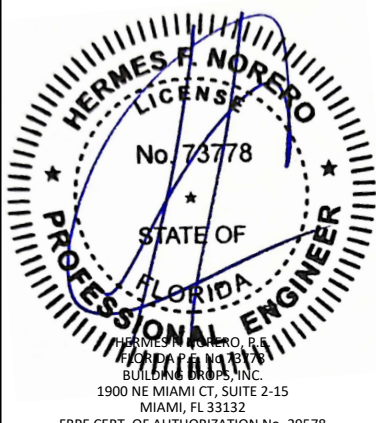
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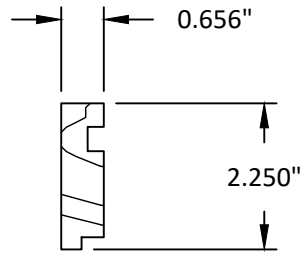
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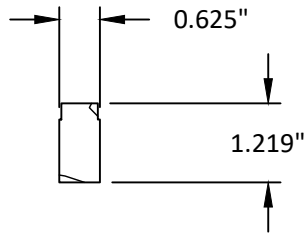
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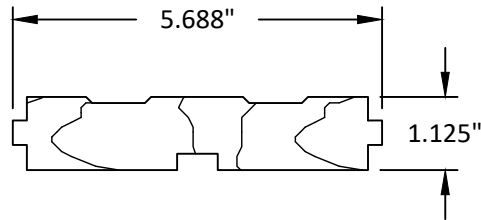
1 EXT. SASH STOP WOOD



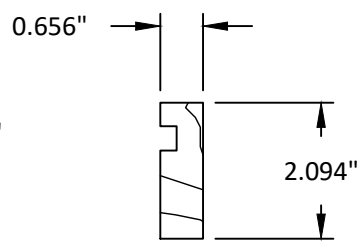
2 PARTING BEAD WOOD



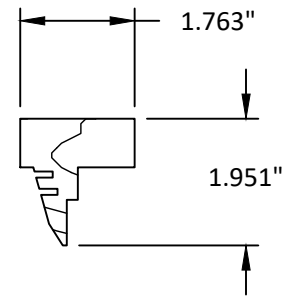
3 HEAD JAMB WOOD



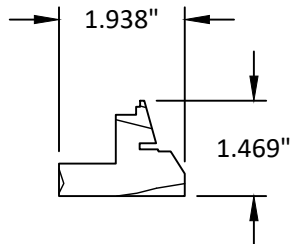
4 HEAD INT. SASH STOP WOOD



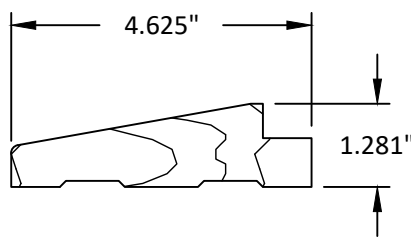
5 INTERLOCK BOTTOM SASH WOOD



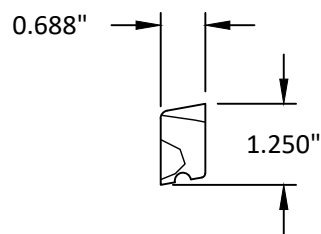
6 INTERLOCK TOP SASH WOOD



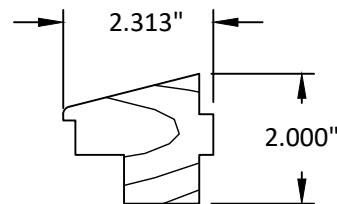
7 SILL EXTENSION WOOD



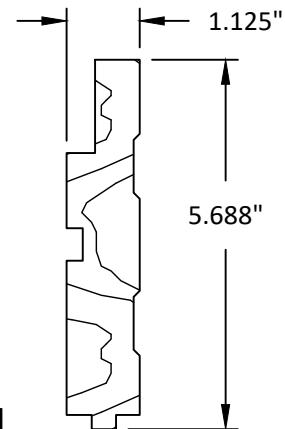
8 WOOD DRIP WOOD



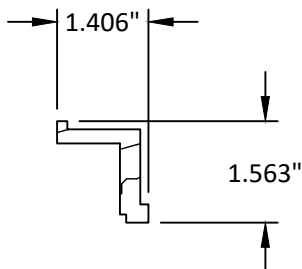
9 SILL WOOD



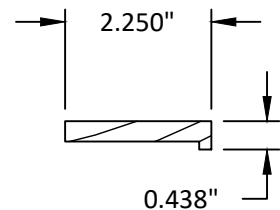
11 JAMB LEG WOOD



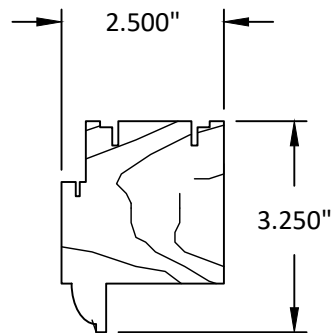
12 REINF. LEG COVER WOOD



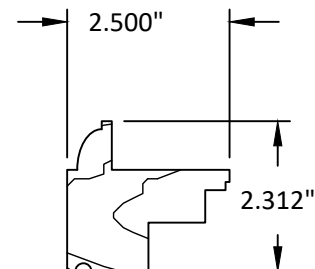
13 INT. LEG SASH STOP WOOD



14 TOP RAIL UPPER SASH WOOD



15 BOTTOM RAIL UPPER SASH WOOD



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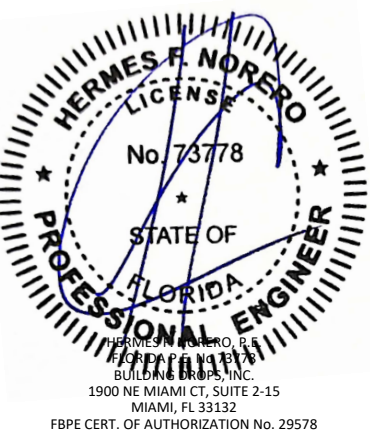
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DOUBLE HUNG WINDOW
(HVHZ) (IMPACT)
COMPONENTS

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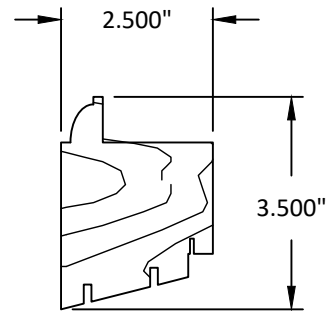
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BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	PART NUMBER	MATERIAL	MANUFACTURER
1	EXT. SASH STOP		MAHOGANY	CAOBA DOORS
2	PARTING BEAD		MAHOGANY	CAOBA DOORS
3	HEAD JAMB		MAHOGANY	CAOBA DOORS
4	HEAD INT. SASH STOP		MAHOGANY	CAOBA DOORS
5	INTERLOCK BOTTOM SASH		MAHOGANY	CAOBA DOORS
6	INTERLOCK TOP SASH		MAHOGANY	CAOBA DOORS
7	SILL EXTENSION		MAHOGANY	CAOBA DOORS
8	WOOD DRIP		MAHOGANY	CAOBA DOORS
9	SILL		MAHOGANY	CAOBA DOORS
10	INFERIOR INT. SASH STOP		MAHOGANY	CAOBA DOORS
11	JAMB LEG		MAHOGANY	CAOBA DOORS
12	REINF. LEG COVER		MAHOGANY	CAOBA DOORS
13	INT. LEG SASH STOP		MAHOGANY	CAOBA DOORS
14	TOP RAIL UPPER SASH		MAHOGANY	CAOBA DOORS
15	BOTTOM RAIL UPPER SASH		MAHOGANY	CAOBA DOORS
16	BOTTOM RAIL LOWER SASH		MAHOGANY	CAOBA DOORS
17	TOP RAIL LOWER SASH		MAHOGANY	CAOBA DOORS
18	STILE LOWER SASH		MAHOGANY	CAOBA DOORS
19	STILE UPPER SASH		MAHOGANY	CAOBA DOORS
20	MOULDINGS		MAHOGANY	CAOBA DOORS
21	NOT USED			
22	SG-20 SILICON SEALANT			SIKAFLEX
23	SEALANT	FS-555		FRANKLIN
24	1/16" X 1/4" GLAZING TAPE	AWT3		ARLON
25	SASH LOCK	LKF14	BRASS	PHELPS
26	SASH LIFT	LFD30	BRASS	PHELPS
27	SASH LIMITER		ALUMINUM	CAOBA DOORS
28	CONCEALED BALANCES			STRYBUC
29	MOULDING SCREWS		STEEL	SPAX
30	FRAME SCREWS		STEEL	SPAX
31	WEATHER STRIPPING	QEZD-320	FOAM	SCHLEGEL
32	WEATHER STRIPPING	QEZD-100	FOAM	SCHLEGEL
33	SASH BOTTOM SEAL	HH0134-02	RUBBER	SIEGENIA
34	INTERLOCK REINF.		STEEL	METALS DEPOT
35	INT. SASH STOP REINF.		STEEL	METALS DEPOT

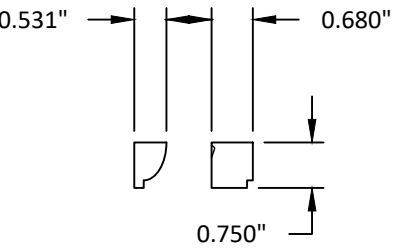
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BOTTOM RAIL LOWER SASH
WOOD



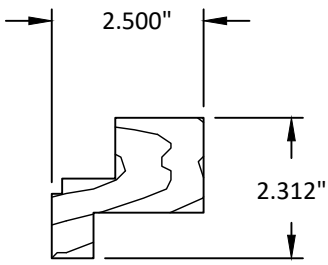
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MOULDINGS
WOOD



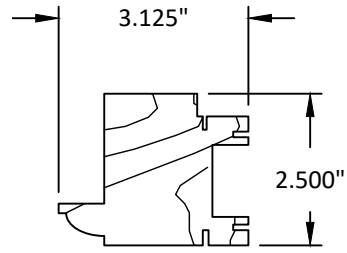
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TOP RAIL LOWER SASH
WOOD



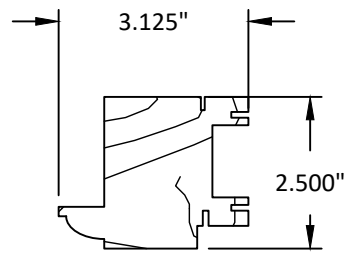
18

STILE LOWER SASH
WOOD



19

STILE UPPER SASH
WOOD



caoba[®]
DOORS

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

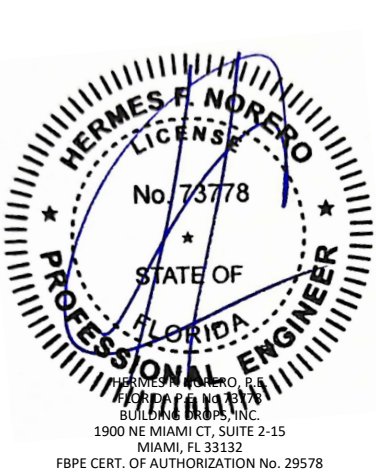
TITLE: MAHOGANY NARROW FRAME
DOUBLE HUNG WINDOW
(HVHZ) (IMPACT)
COMPONENTS & BILL OF MATERIAL

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
2026 FBC UPDATE	LS	07/26

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.



FL #:
FL16750

DATE: **11.09.20**

DWG. BY: RV	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **CAB019**

SHEET: 6	REV. A
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OF 6