

AIR MASTER WINDOWS AWNING, LLC

CONTINENTAL SERIES PROJECT OUT WINDOW

(HVHZ) (IMPACT)

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, STEEL, 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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T5
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.

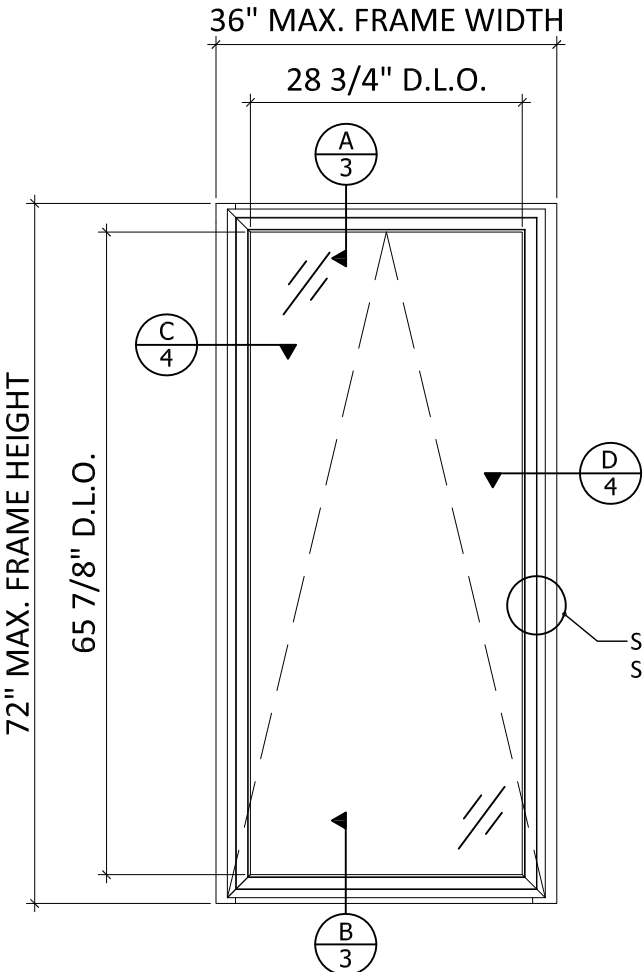
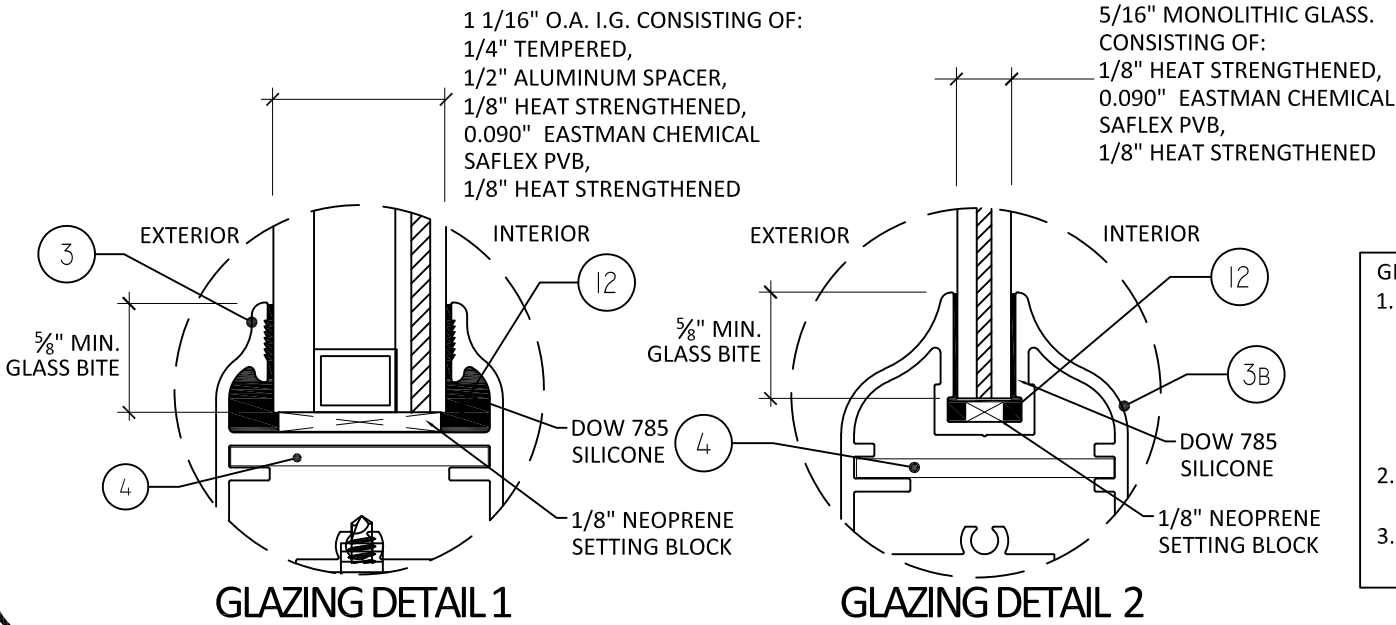


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DESIGN PRESSURE RATING		
OVERALL SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
36" X 72"	+/- 70 PSF	SMALL & LARGE MISSILE IMPACT

SEE LOCK DETAIL, SHEET 3



- GLAZING NOTES:
- GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.

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

TITLE: CONTINENTAL PROJECT OUT WINDOW (HVHZ) (IMPACT)

ELEVATIONS, GENERAL NOTES AND GLAZING DETAIL

P.O. BOX 2097
BARCELONETA, PR 00617
WWW.AIRMASTERPR.COM
PH: (787)846-2110
FAX: (787)623-0085

AIR MASTER
windows and doors



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero
Reason: I am approving this document
Date: 2020.12.20 12:32:14 -0500



FL21456

DATE: 09/26/16

DWG. BY: AM

CHK. BY: SM

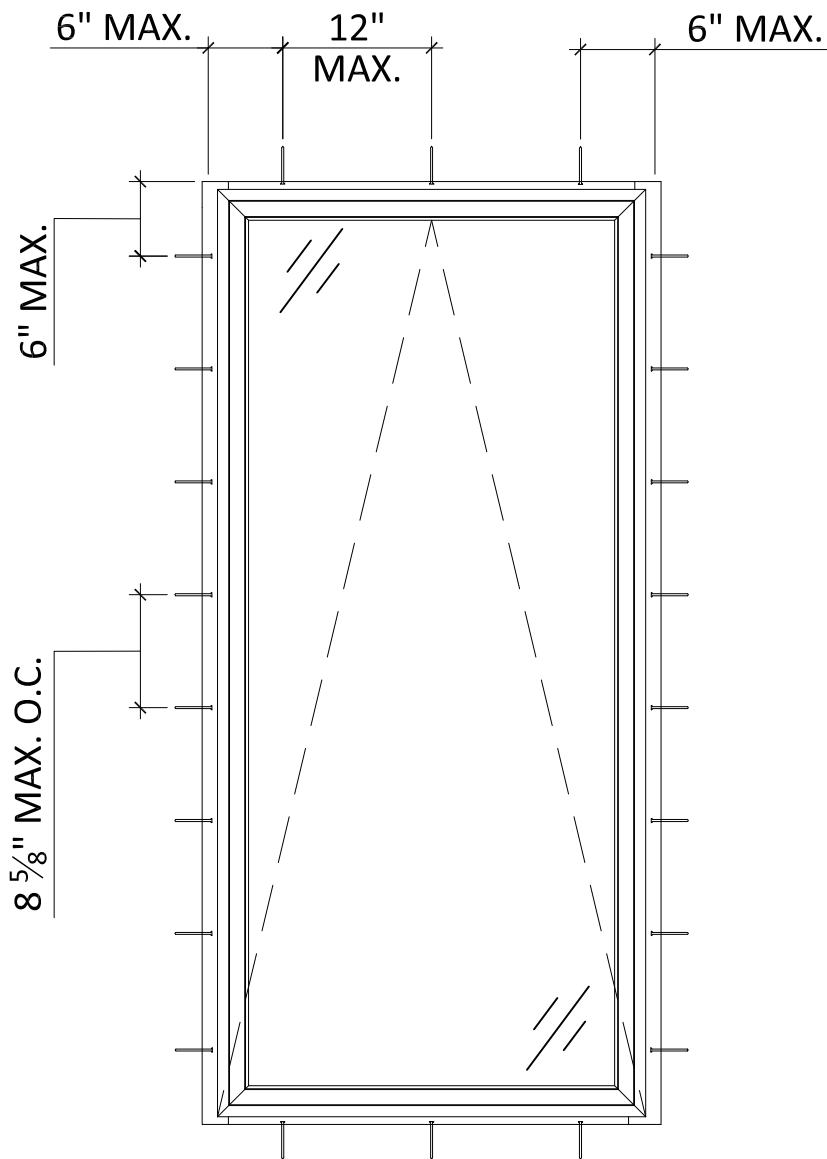
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DWG. #: AIR003

SHEET: OF 5

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PROJECT OUT WINDOW ANCHOR LAYOUT
EXTERIOR VIEW

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR FOR 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 $\pm 1/2$ 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 DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ELCO ULTRACON OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBEDMENT.
- FOR INSTALLATION DIRECTLY INTO WOOD FRAME, USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 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.
 - 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.
 - HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

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ANCHOR LOCATIONS
AND INSTALLATION INSTRUCTIONS

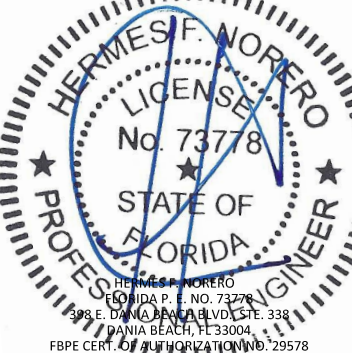
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REMARKS	BY	DATE

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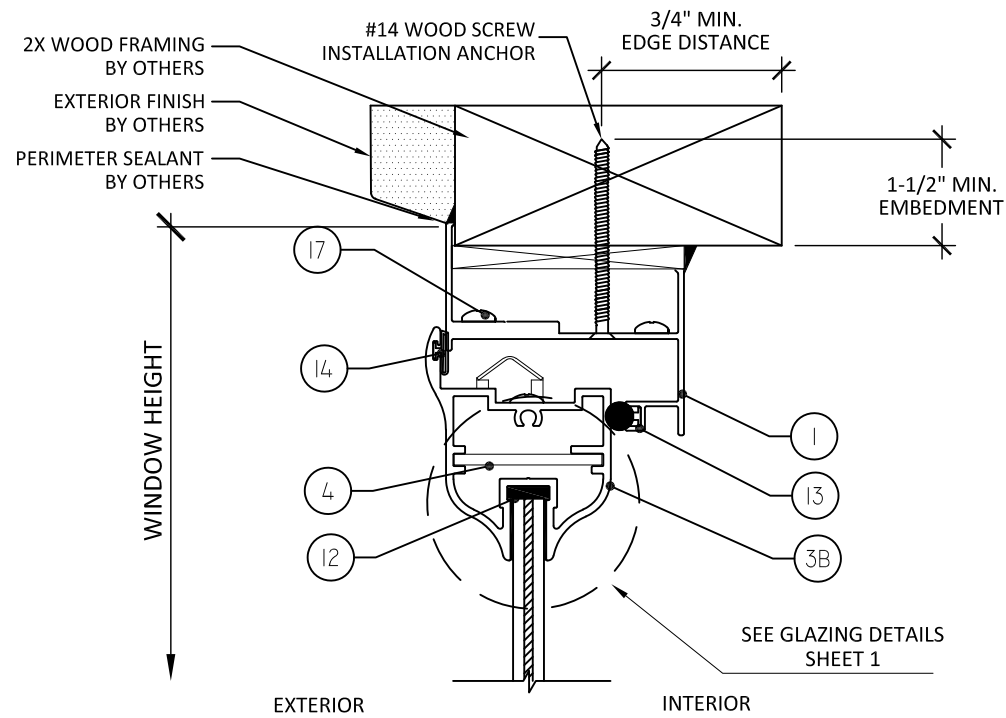
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SHEET: OF 5

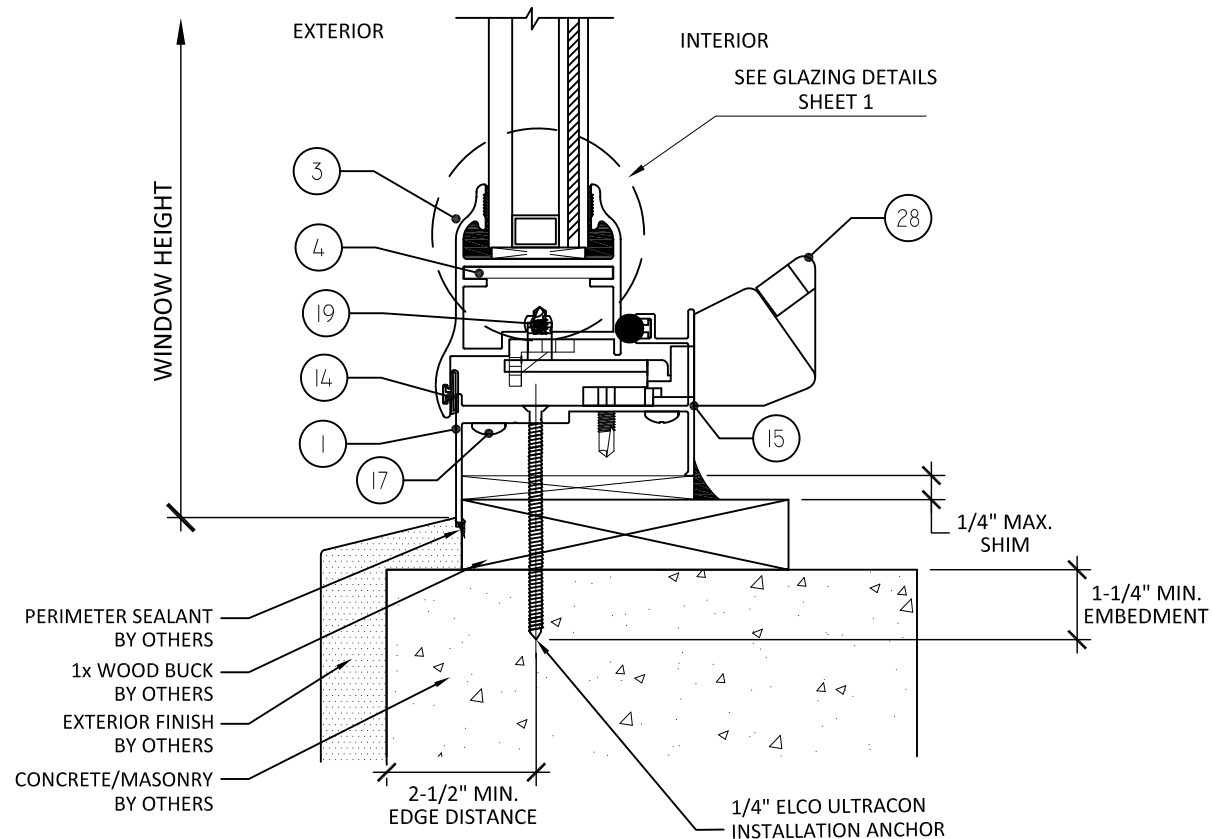
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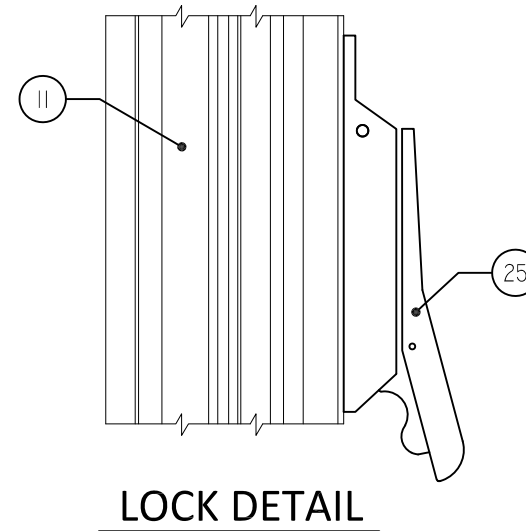
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A
3 VERTICAL SECTION
HEAD - 2X WOOD FRAME



B
3 VERTICAL SECTION
SILL - CONCRETE/MASONRY
1x WOOD BUCK



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VERTICAL SECTIONS

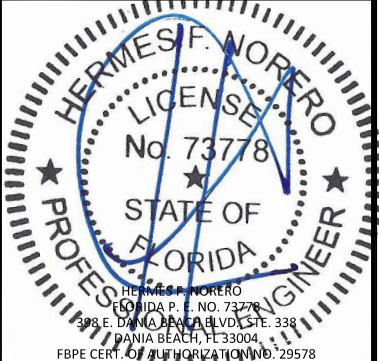
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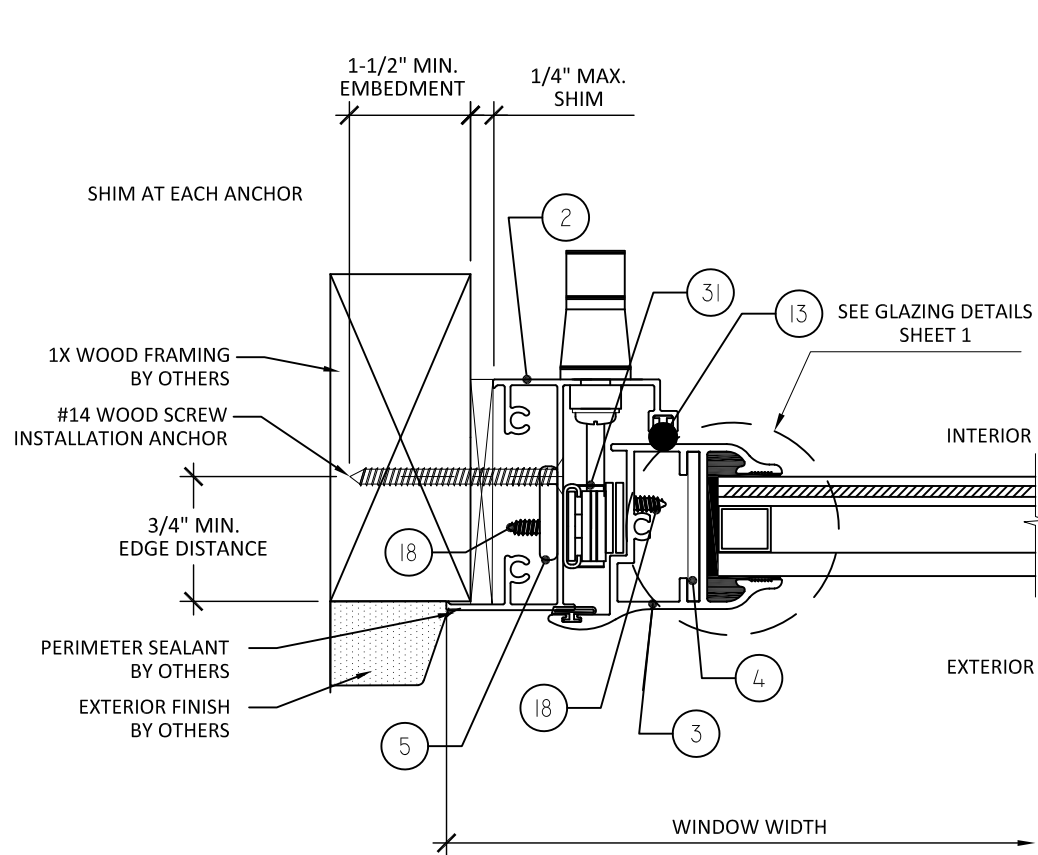
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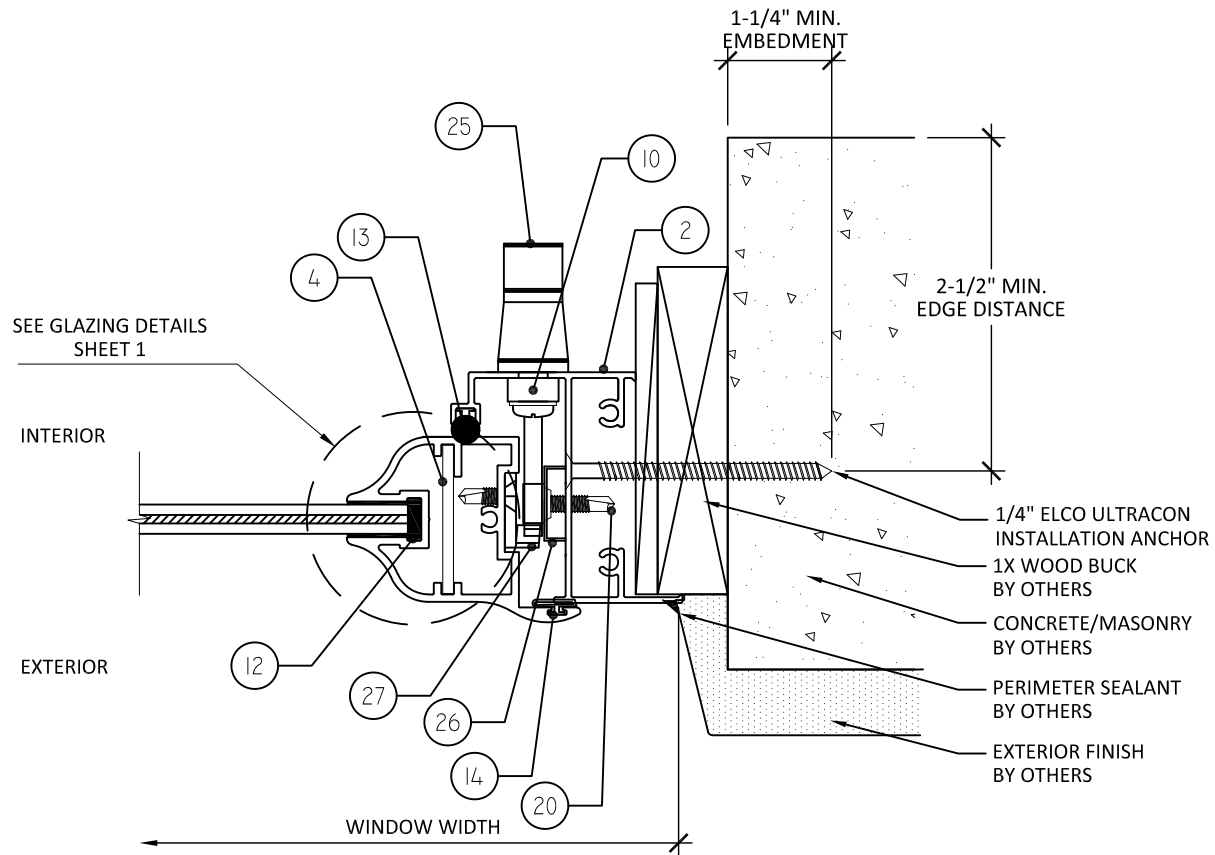
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C
4 HORIZONTAL SECTION
JAMB-WOOD BUCK



D
4 HORIZONTAL SECTION
CONCRETE/MASONRY
WITH 1x WOOD BUCK

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HORIZONTAL SECTIONS

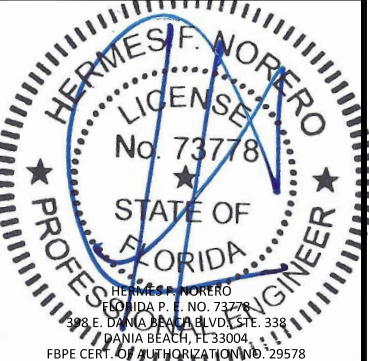
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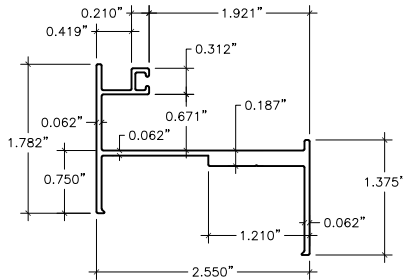
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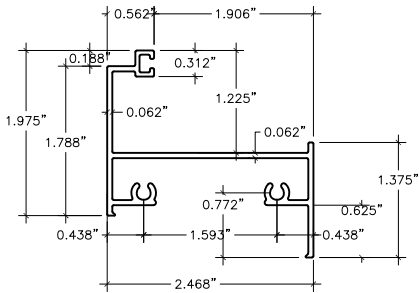
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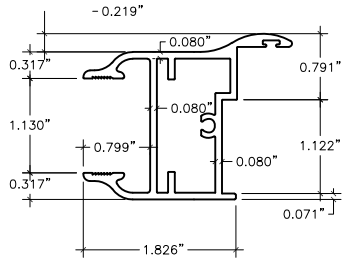
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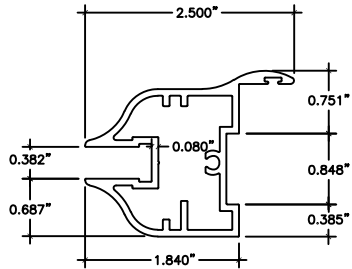
1 FRAME HEAD



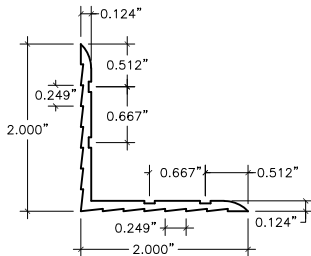
2 FRAME JAMB



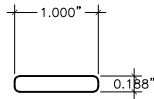
3 SASH PERIMETER



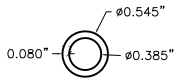
* 3B SASH PERIMETER 5/16" GLASS



4 CORNER LOCK



5 TORQUE ARM



10 1/2" Ø TUBE

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS & EXTRUSIONS			
1	76870	FRAME HEAD / SILL	FUNDICIONES INDUSTRIALES / 6063-T5
2	76869	FRAME JAMB	FUNDICIONES INDUSTRIALES / 6063-T5
3	76855	SASH PERIMETER IG	GLOBAL HOLDEX / 6063-T5
*3B	76826	SASH PERIMETER 5/16"	GLOBAL HOLDEX / 6063-T5
4	11080	CORNER LOCK	GLOBAL HOLDEX / 6063-T5
5	53774	TORQUE ARM	GLOBAL HOLDEX / 6063-T5
6	76849	NOT USED	-----
*6B	76832	NOT USED	-----
7	76830	NOT USED	-----
8	57555	NOT USED	-----
9	96534	NOT USED	-----
10	66660	ALUMINUM TUBE 1/2"	FUNDICIONES INDUSTRIALES / 6063-T5
GLASS			
11		INSULATED GLASS 1 1/16" (1/4" ANN- 1/2" ALUM SPACER- 1/8 HS - .090 SAFLEX - 1/8 HS)	TECHNOGLASS
*11B		IMPACT GLASS 5/16 CLEAR HEAT STRENG. (1/8 HS - .090 SAFLEX - 1/8 HS)	TECHNOGLASS
SEALS & SEALANTS			
12	53580	SILICONE STRUCTURAL BLACK DC-785	DOW CORNING
13	32010	RUBBER WEATHERSTRIP WITH FOAM	MSW LLC
14	96980	PERIMETER FRAME VINYL	MSW LLC
15	96303	GASKET OPERATOR	WESPAC CORPORATION
16	96900	RUBBER BUMPER BLACK	H-O PRODUCTS CORPORATION
FASTENERS			
17	95543	SCR 10*1 PHI P/H S/S T-A SMS	LA CASA DE LOS TORNILLOS
18	95607	SCR 10*1/2 PHI P/H S/S T-A	LA CASA DE LOS TORNILLOS
19	95691	SCR 10-24*5/8 PHI F/H S/S S/D	LA CASA DE LOS TORNILLOS
20	94657	SCR 10-32 3/4 PHI F/H S/S TECK	LA CASA DE LOS TORNILLOS
21	95536	SCR 10 x 3" PHI/FH/SS/T-A SMS	LA CASA DE LOS TORNILLOS
22	95786	FLAT WASHERS	LA CASA DE LOS TORNILLOS
23	95528	SCR 10*1 1/2 PHI F/H S/S T-A	LA CASA DE LOS TORNILLOS
24	22424	SCR 8*1/2 P/H S/S TECK	LA CASA DE LOS TORNILLOS
HARDWARE			
25	86829	PROJECT OUT LOCK HANDLE WHITE	INDUTEC
26	76805	MULTIPOINT LOCKING BAR	SUNAN COMPANY LTD
27	86827	KEEPERS FOR LOCKING BAR	INDUTEC
28	96315	AWNING NARROW OPERATOR	WESPAC CORPORATION
29	96301	NOT USED	-----
30	43553	NOT USED	-----
31	43556	FOUR BAR HINGE WASHABILITY	WESPAC CORPORATION

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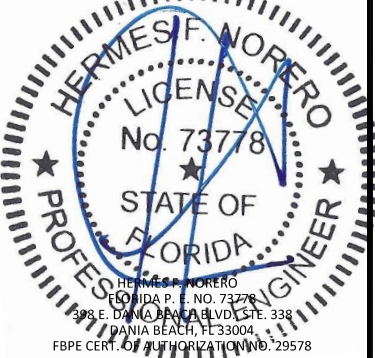
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