

s:\projects\caoba doors\c-20-0904 fbc 2020 (version 7) code change\dwgs\fl14297\caoba double casement window clad fl 14297 cab038.dwg
12/21/2020 11:53 AM

CAOBA DOORS

ALUMINUM CLAD OUTSWING DOUBLE CASEMENT WINDOWS

(HVHZ) (IMPACT)

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 THE CURRENT FLORIDA BUILDING CODE.
- 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.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATIONS & ANCHOR LAYOUTS
3	-	HARDWARE LOCATIONS AND CORNER CONSTRUCTION
4	-	VERTICAL & HORIZONTAL SECTIONS
5	-	COMPONENTS
6	-	COMPONENTS, GLAZING DETAIL & BILL OF MATERIALS

DESIGN PRESSURE RATING	
DESIGN PRESSURE - ALL SIZES	MISSILE IMPACT RATING
+70/-70 PSF	SMALL AND LARGE MISSILE IMPACT RATED



4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

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

TITLE:
ALUMINUM CLAD OUTSWING
DOUBLE CASEMENT WINDOWS
(HVHZ)(IMPACT)
INSTALLATION & GENERAL NOTES

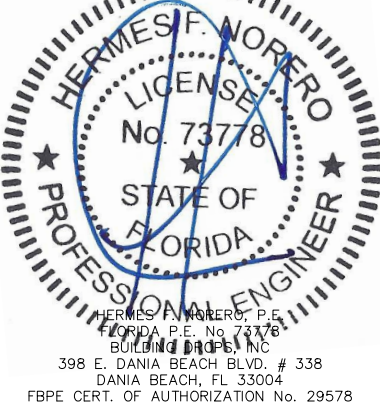
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

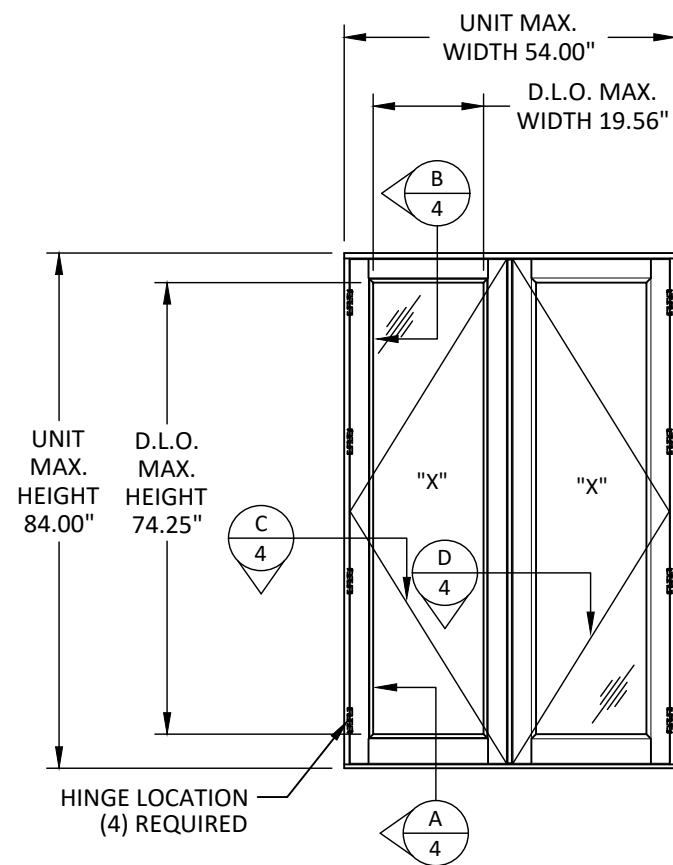
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.12.21 12:30:17 -05'00'

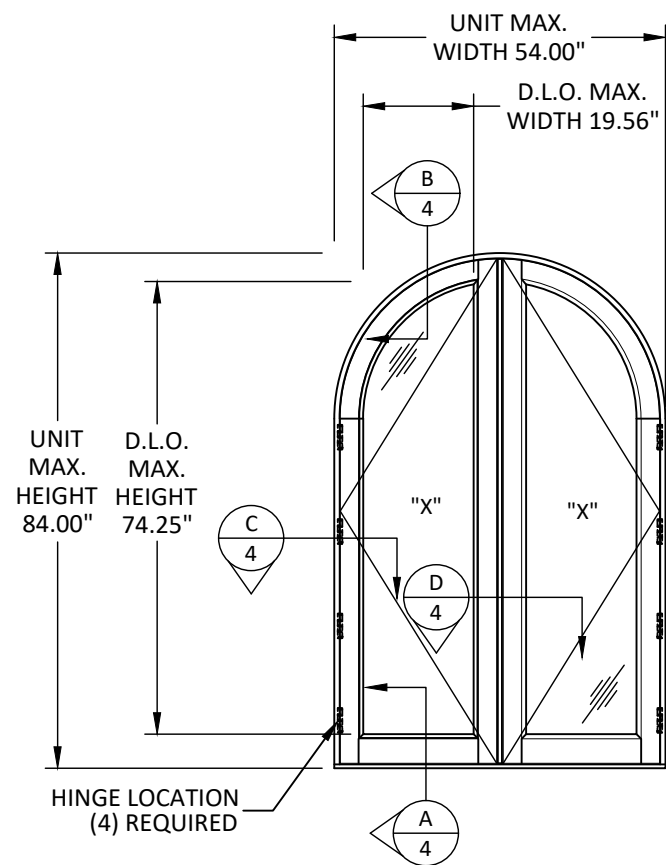


FL #:		FL14297
DATE:		11.02.20
DWG. BY:	CHK. BY:	
ER	HFN	
SCALE:		NTS
DWG. #:		CAB038
SHEET:		1
		OF 6

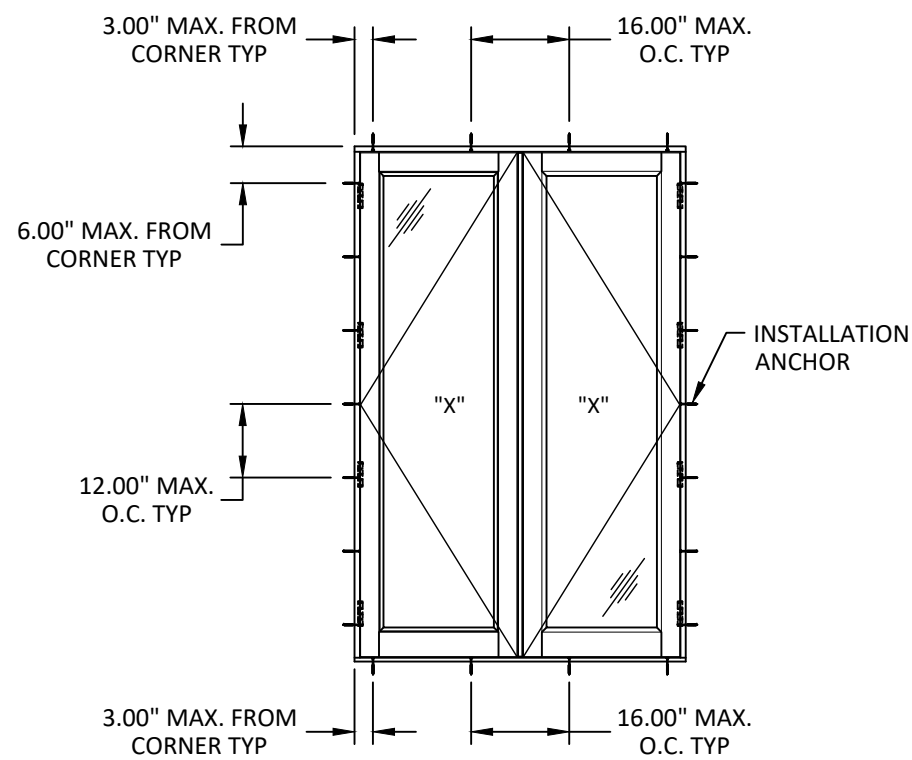
s:\projects\caoba doors\c-20-0904 b.c. 2020 (version 7) code change\dwgs\fl14297\caoba double casement window, clad fl 14297 cab038.dwg
12/21/2020 11:53 AM



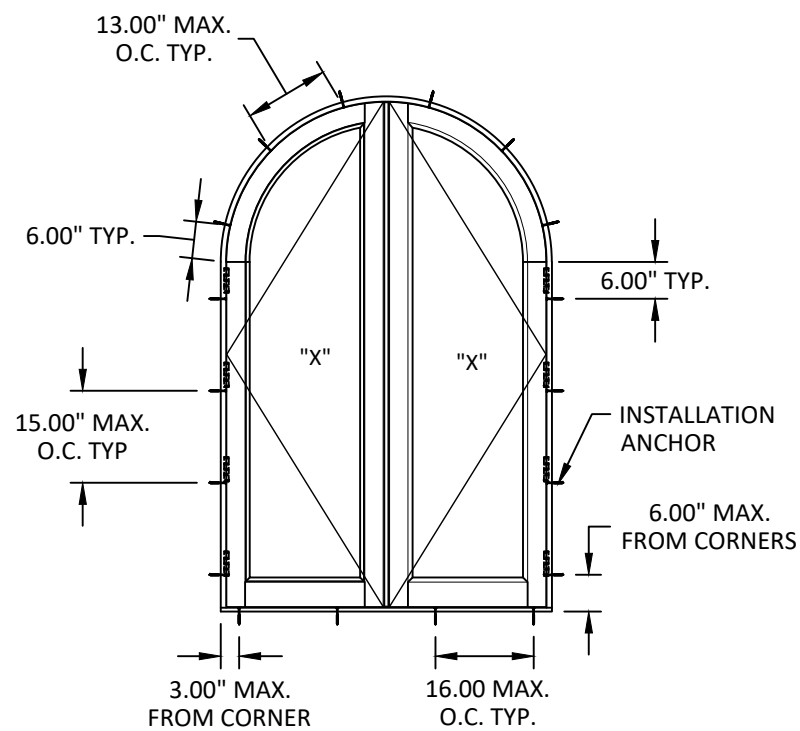
ELEVATION



ELEVATION



ANCHOR LAYOUT



ANCHOR LAYOUT

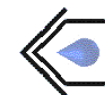


4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

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

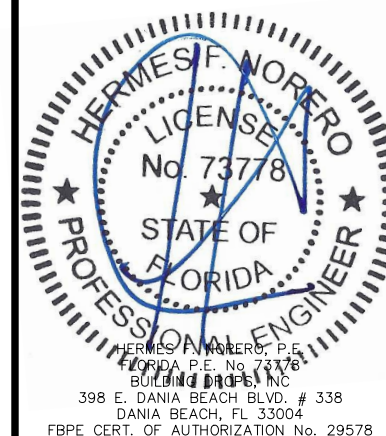
TITLE:
ALUMINUM CLAD OUTSWING
DOUBLE CASEMENT WINDOWS
(HVHZ)(IMPACT)
ELEVATIONS & ANCHOR LAYOUTS

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

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 #:
FL14297

DATE: **11.02.20**

DWG. BY: **ER** CHK. BY: **HFN**

SCALE: **NTS**

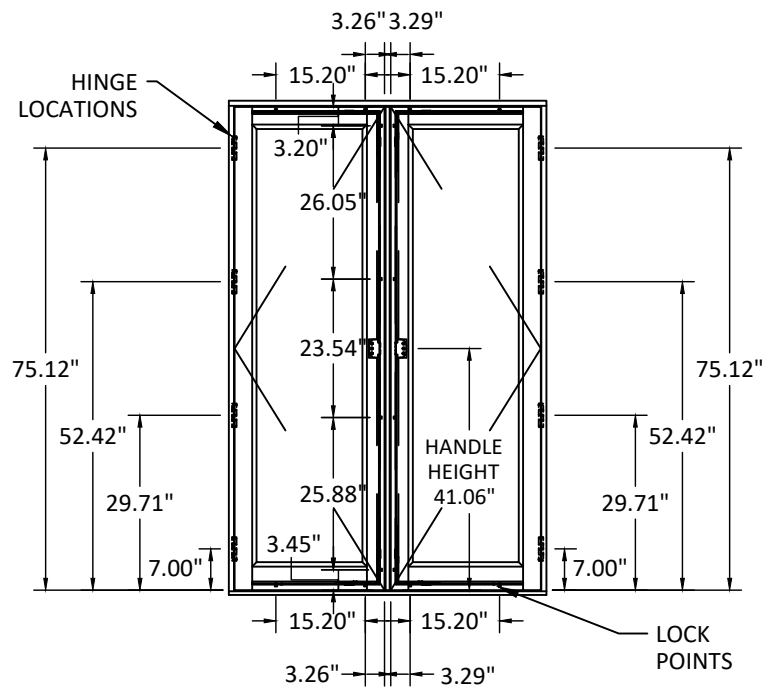
DWG. #: **CAB038**

SHEET:

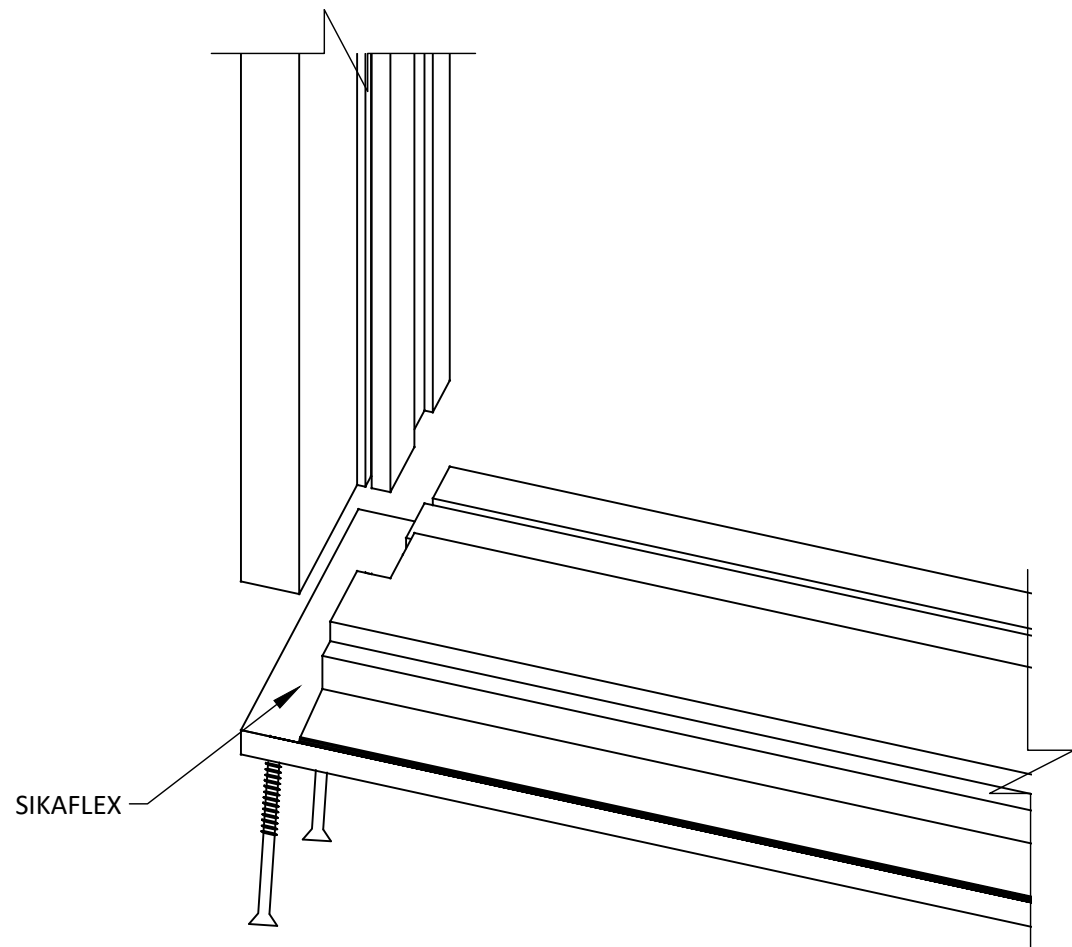
2

OF 6

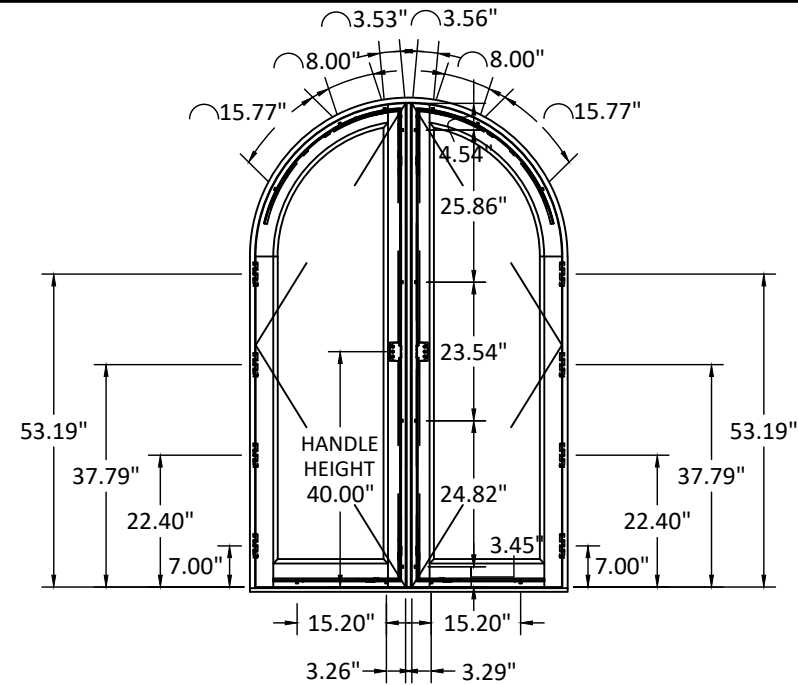
s:\projects\caoba doors\c-20-0904 b.c. 2020 (version 7) code change.dwg s:\14297\caoba double casement window. clad fl 14297 cab038.dwg 12/21/2020 11:53 AM



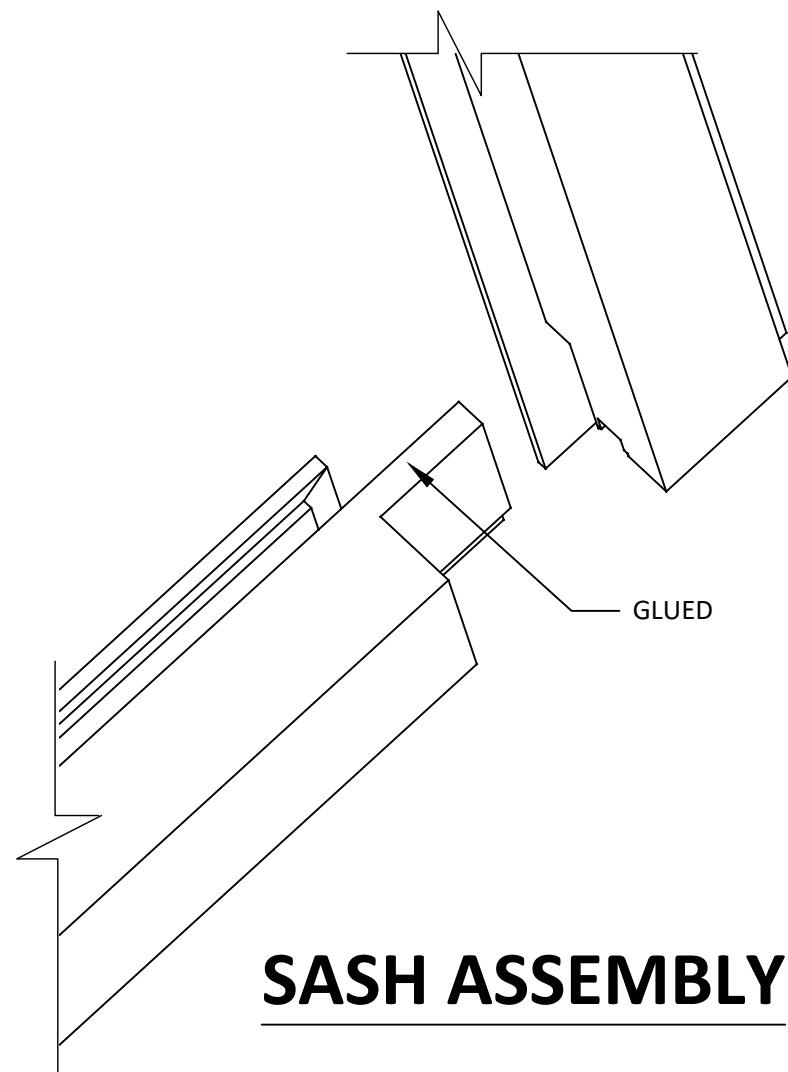
HINGE & LOCK POINT
LAYOUT



JAMB ASSEMBLY



HINGE & LOCK POINT
LAYOUT



SASH ASSEMBLY



4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

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

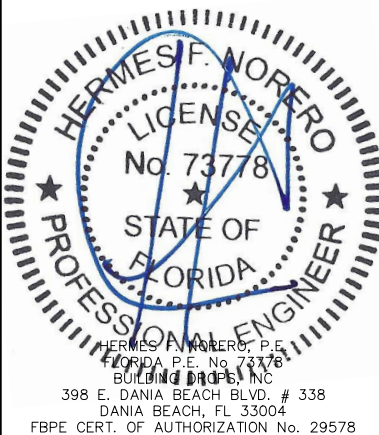
TITLE:
ALUMINUM CLAD OUTSWING
DOUBLE CASEMENT WINDOWS
(HURVIMPACT)
HARDWARE LOCATIONS
AND CORNER CONSTRUCTION

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

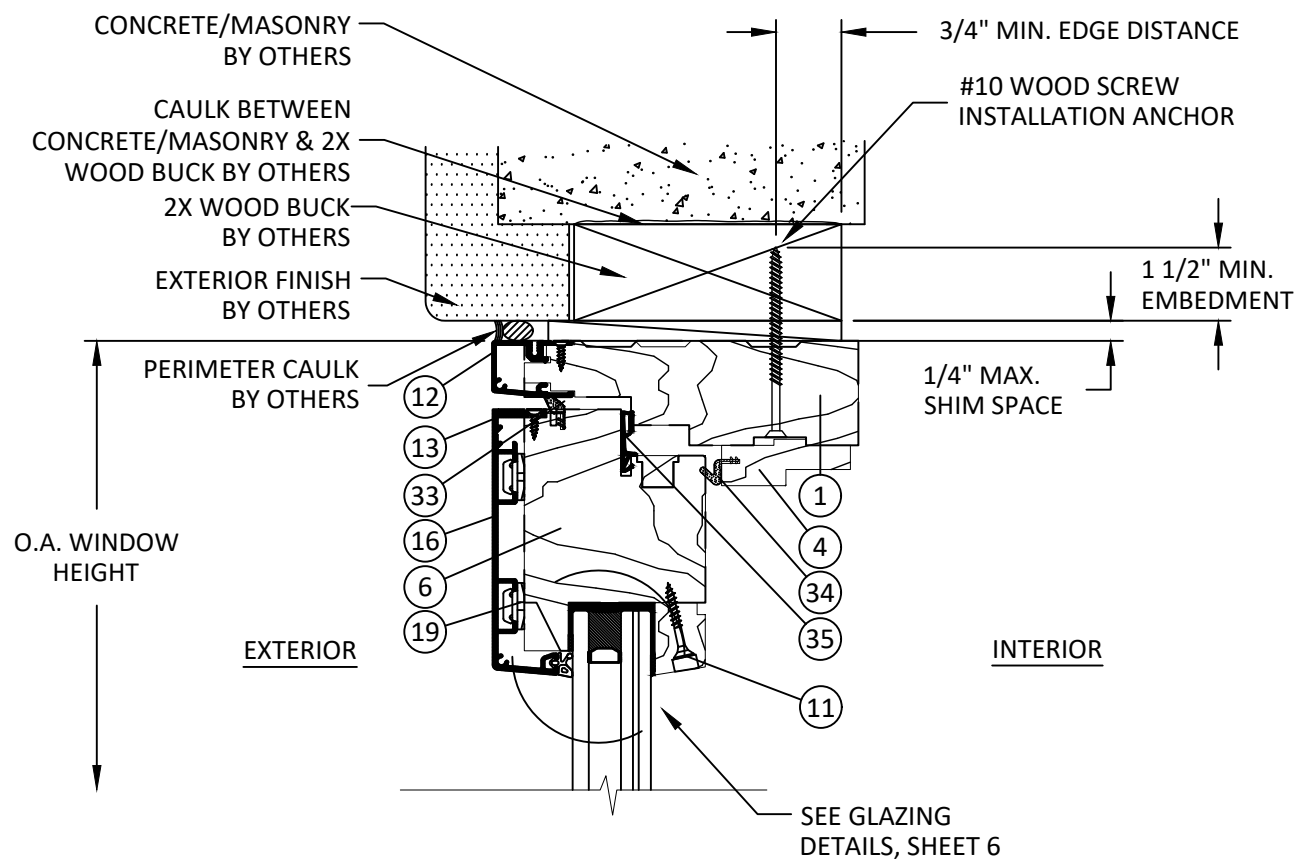
THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



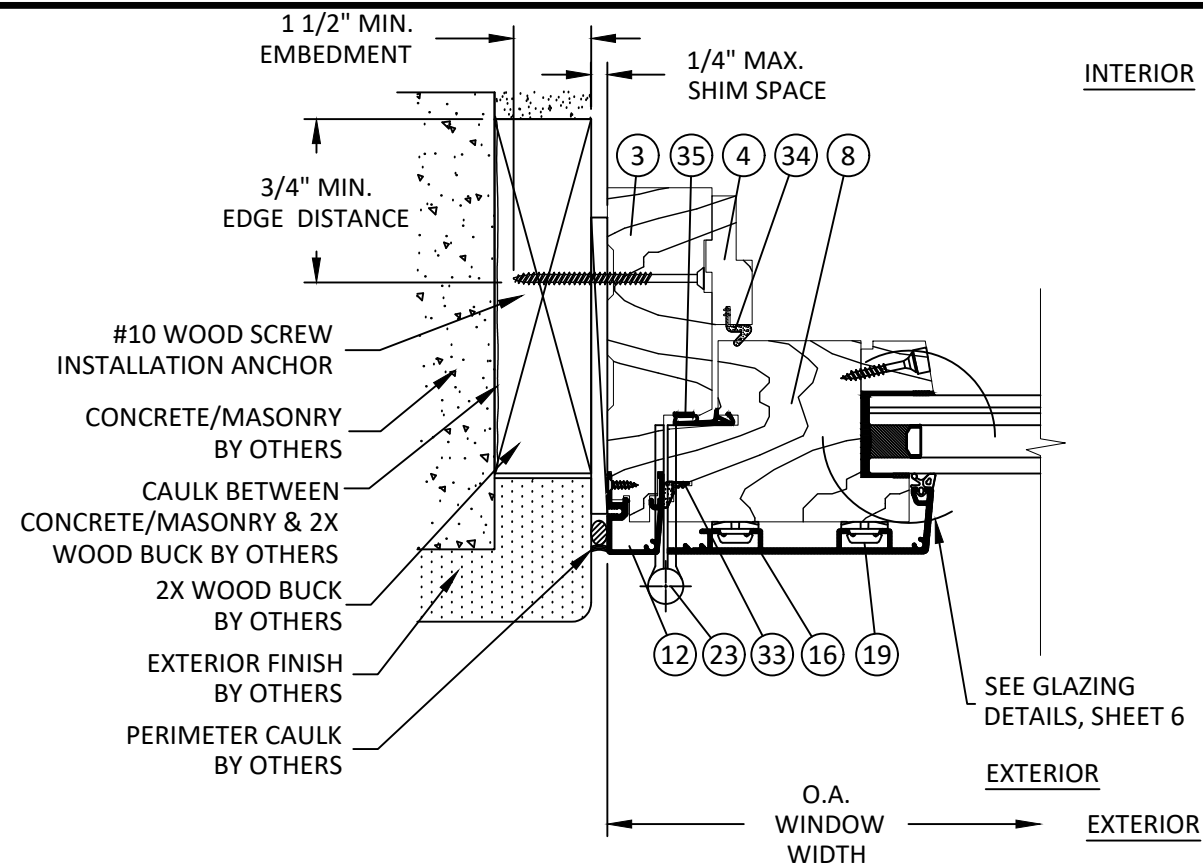
FL #:	FL14297
DATE:	11.02.20
DWG. BY:	ER
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CAB038
SHEET:	3

12/21/2020 11:53 AM

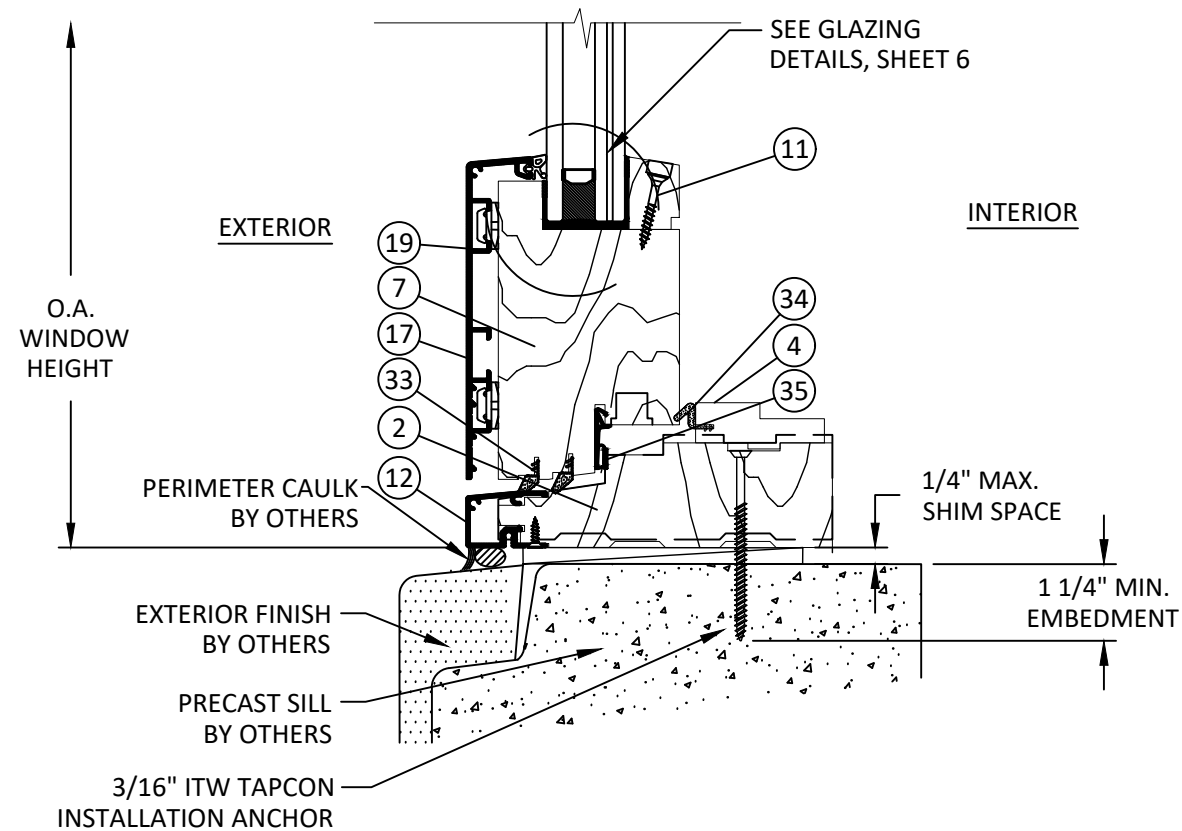
s:\projects\caoba doors\cc-20-0904 b.c. 2020 (version 7) code change\dwg\fl14297\caoba double casement window, clad fl 14297 cab038.dwg



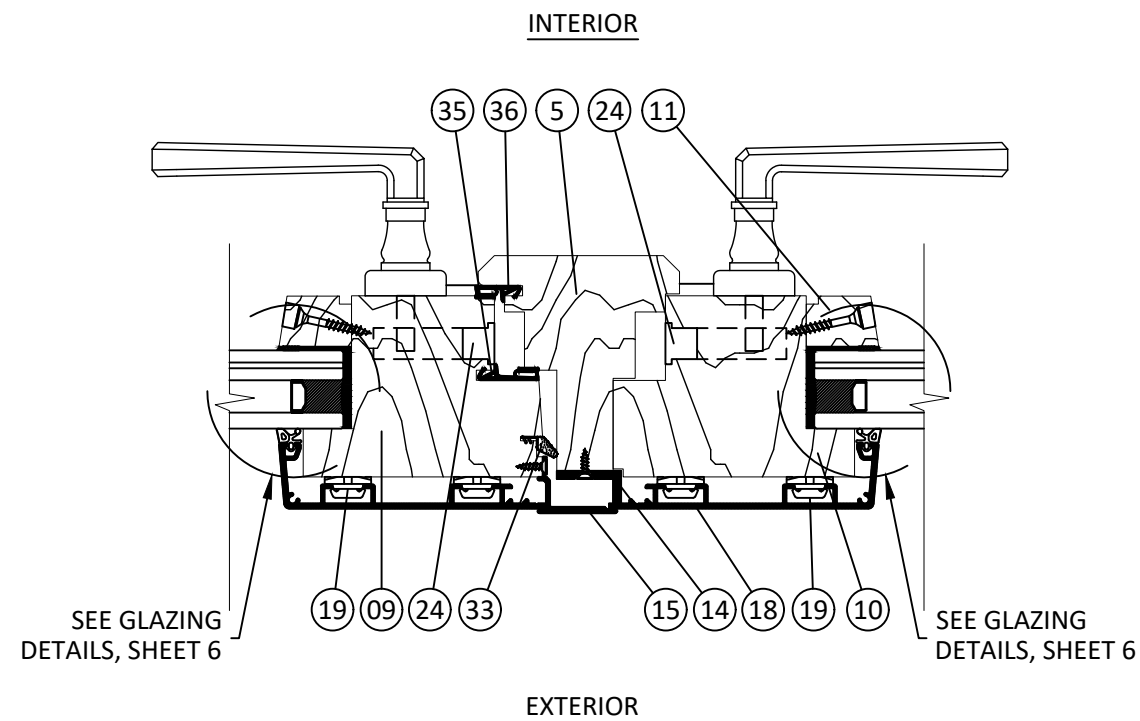
B
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK



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



A
4 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
PRE-CAST SILL



D
4 **HORIZONTAL SECTION**
ASTRAGAL

caoba®
DOORS

4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

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

TITLE:
ALUMINUM CLAD OUTSWING
DOUBLE CASEMENT WINDOWS
(HVHZ)(IMPACT)
VERTICAL SECTIONS & GLAZING DETAIL

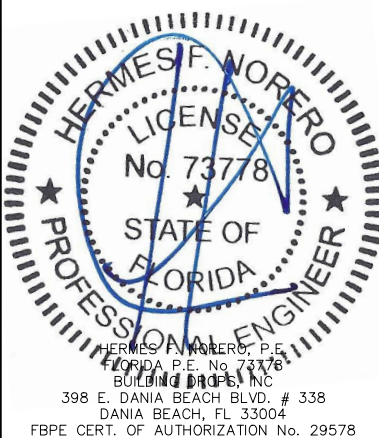
PREPARED BY:
BUILDING DROPS, INC.

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

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 #:
FL14297

DATE: **11.02.20**

DWG. BY:
ER

CHK. BY:
HFN

SCALE: **NTS**

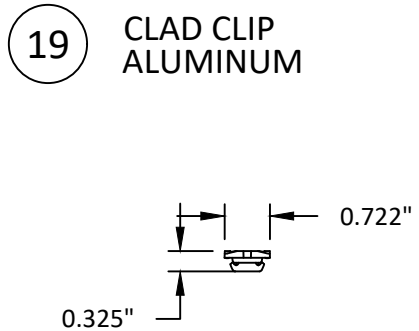
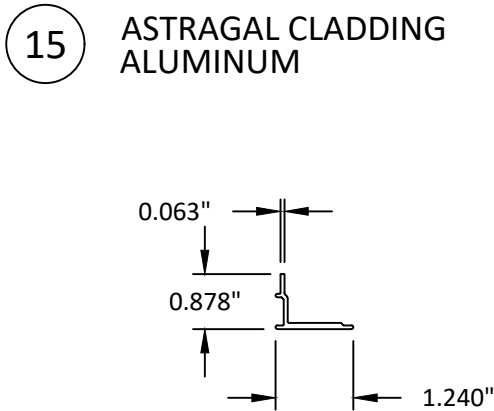
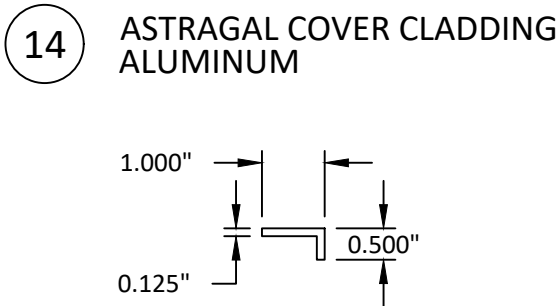
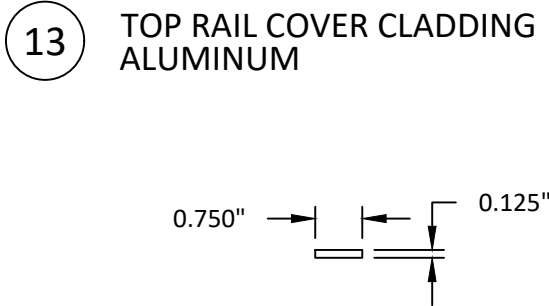
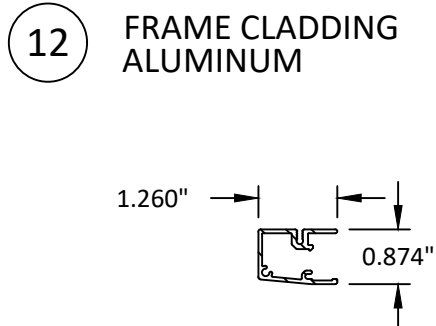
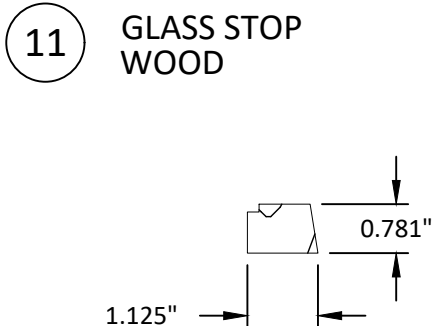
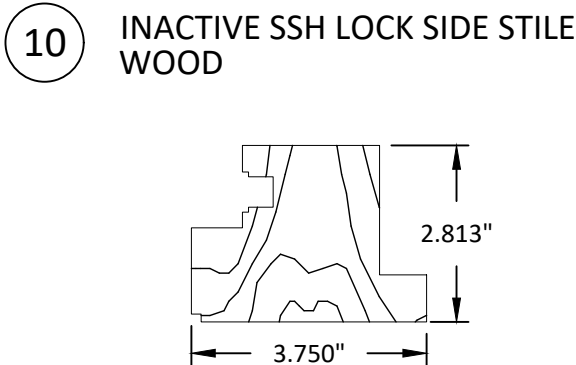
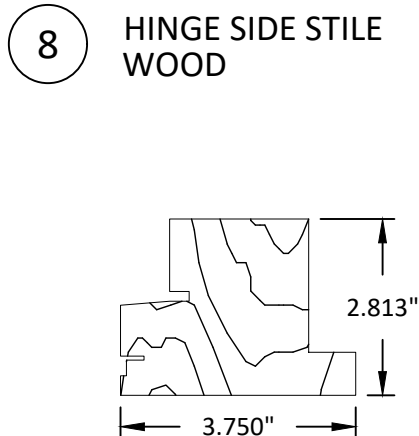
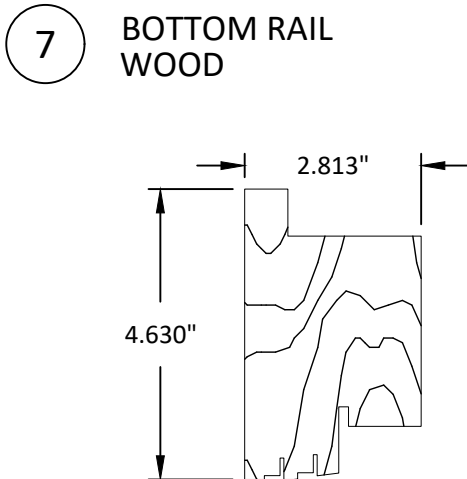
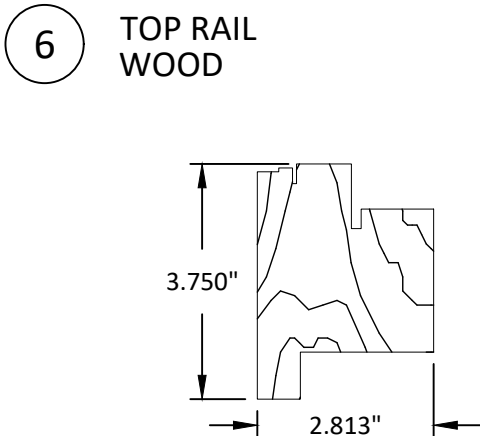
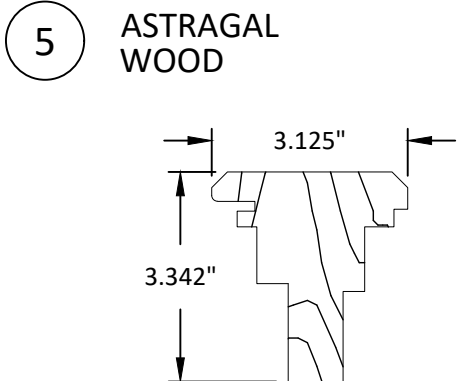
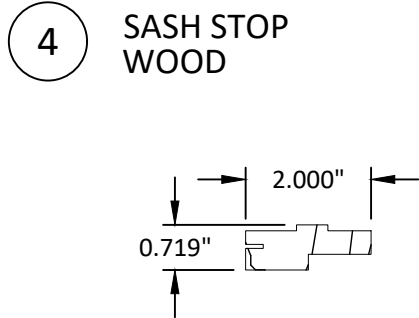
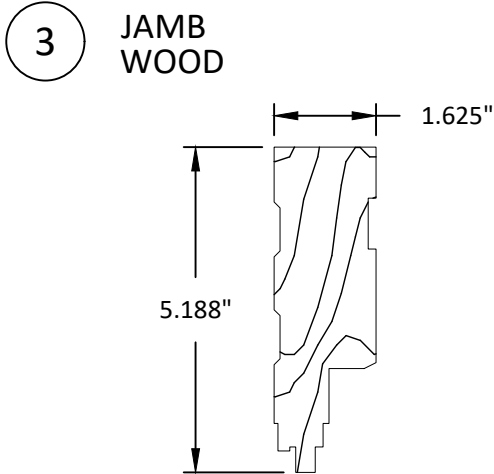
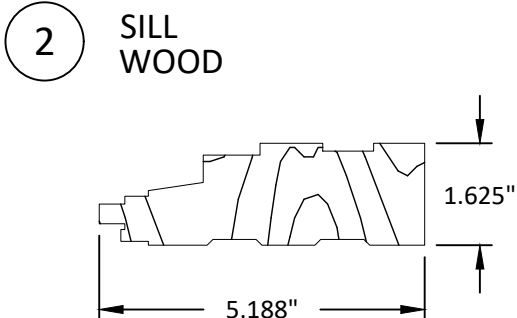
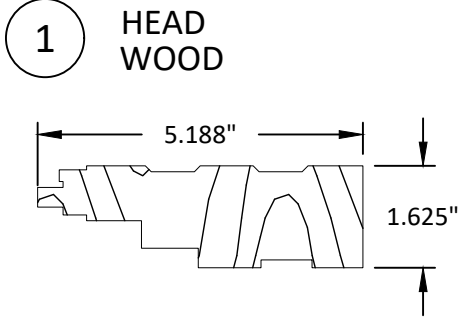
DWG. #: **CAB038**

SHEET:

4

OF 6

s:\projects\caoba doors\c-20-0904 b.c. 2020 (version 7) code change\dwgs\fl14297\caoba double casement window, clad fl 14297 cab038.dwg 12/21/2020 11:54 AM



4918 CEDAR AVENUE
PHILADELPHIA, PA 19143

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

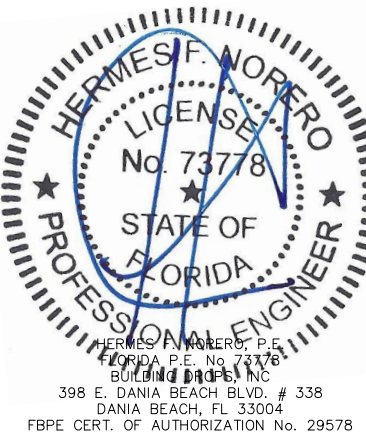
TITLE:
ALUMINUM CLAD OUTSWING
DOUBLE CASEMENT WINDOWS
(HVHZ)(IMPACT)
COMPONENTS

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

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 #:
FL14297

DATE: **11.02.20**

DWG. BY: **ER** CHK. BY: **HFN**

SCALE: **NTS**

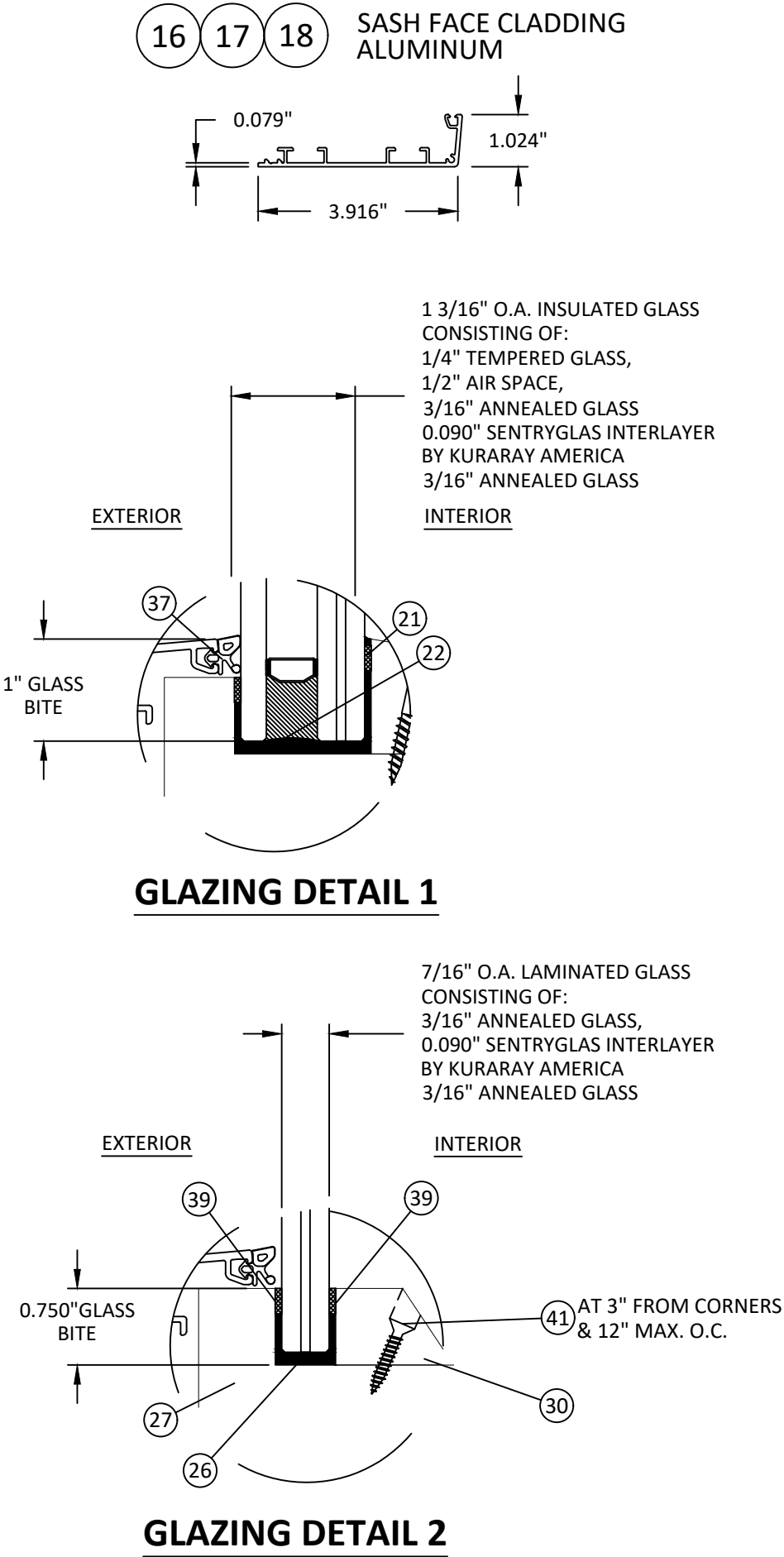
DWG. #: **CAB038**

SHEET:
5
OF 6

s:\projects\caoba doors\c-20-0904 fbc 2020 (version 7) code change\dwgs\114297\caoba double casement window - clad fl 14297 cab038.dwg
12/21/2020 11:54 AM

BILL OF MATERIALS				
ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER	MATERIAL
1	---	HEAD	CAOBA DOORS	WOOD
2	---	SILL	CAOBA DOORS	WOOD
3	---	JAMB	CAOBA DOORS	WOOD
4	---	SASH STOP	CAOBA DOORS	WOOD
5	---	ASTRAGAL	CAOBA DOORS	WOOD
6	---	TOP RAIL	CAOBA DOORS	WOOD
7	---	BOTTOM RAIL	CAOBA DOORS	WOOD
8	---	HINGE SIDE STILE	CAOBA DOORS	WOOD
9	---	ACTIVE SASH LOCK SIDE STILE	CAOBA DOORS	WOOD
10	---	INACTIVE SASH LOCK SIDE STILE	CAOBA DOORS	WOOD
11	---	GLASS STOP	CAOBA DOORS	WOOD
12	JWDS001	FRAME CLADDING	EXTRALUM	ALUMINUM
13	F41834	TOP RAIL COVER CLADDING	METALS DEPOT	ALUMINUM
14	A31-1218-6063	ASTRAGAL COVER CLADDING	METALS DEPOT	ALUMINUM
15	DA001	DOOR ASTRAGAL CLADDING	EXTRALUM	ALUMINUM
16	SIM001	TOP RAIL AND STILE SASH FACE CLADDING	EXTRALUM	ALUMINUM
17	SIM001	BOTTOM RAIL SASH FACE CLADDING	EXTRALUM	ALUMINUM
18	SIM001	INACTIVE SASH STILE FACE CLADDING	EXTRALUM	ALUMINUM
19	---	CLAD CLIP	PLASTIKA S.A.	PLASTIC
21	AWT3	$\frac{1}{4}$ " X $\frac{1}{16}$ " GLAZING TAPE	ARLON	TAPE
22	DOW 795	SILICON SEALANT @ 3 SIDES	DOW CORNING	SILICONE
23	WTBB1191	4"x5" HINGES BALL BEARING	HAGER	SOLID BRASS
24	TGMK0510-200010	GEAR	SIEGENIA	ELOOK TITAN SILVER
25	TMSL4350-100010	LOCK CASE BACKSERT 35mm	SIEGENIA	ELOOK TITAN SILVER
26	TZKK1020-200010	EXTENSION 400mm	SIEGENIA	ELOOK TITAN SILVER
27	TZKK1010-200010	EXTENSION 200mm	SIEGENIA	ELOOK TITAN SILVER
28	TEUL4070-200010	CORNER WITH 2 POINT LOCK	SIEGENIA	ELOOK TITAN SILVER
29	TSBR0040-100010	BRAKE SYSTEM	SIEGENIA	ELOOK TITAN SILVER
30	TRSK1160-200010	KEEPERS	SIEGENIA	ELOOK TITAN SILVER
31	TFHB0010	RESTRICTOR	SIEGENIA	PLASTIC
32	TIROL	HANDLE	GHIDINI	---
33	12407	.325 KERF PS - FOAM - OPEN CELL	AMESBURY	URETHANE FOAM
34	12464	.335 KERF PS - FOAM - OPEN CELL	AMESBURY	URETHANE FOAM
35	DS 6988	WEATHERSEAL	DEVENTER	RUBBER
36	DS 6922	WEATHERSEAL	DEVENTER	RUBBER
37	K 2031	CLAD WEATHERSEAL	TRELLEBORG	TSP-FOAM

NOTE:
1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (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.





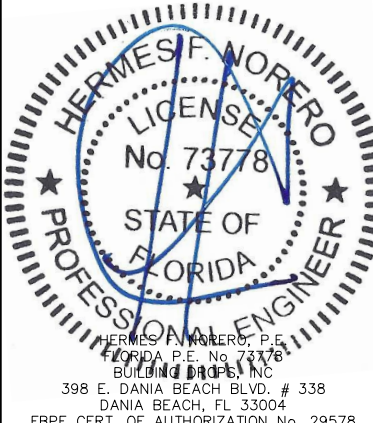
4918 CEDAR AVENUE
PHILADELPHIA, PA 19143
PH: (215) 525-5048 FX: (215) 747-8908

TITLE: ALUMINUM CLAD OUTSWING DOUBLE CASEMENT WINDOWS (HVHZ/IMPACT) COMPONENTS, GLAZING DETAIL & BILL OF MATERIALS

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

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.



HERMES F. NORERO, 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 #:	FL14297
DATE:	11.02.20
DWG. BY:	ER
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	CAB038
SHEET:	6 OF 6