

# JELD-WEN, inc.

## CUSTOM CLAD FIXED CASEMENT WINDOW (IMPACT)

**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 OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WHERE SPACE BETWEEN PRODUCT AND STRUCTURE IS 1/16 INCH OR GREATER. MAXIMUM ALLOWABLE SHIM STACK IS NOT TO EXCEED 1/4". ALL SHIMS ARE TO BE LOAD BEARING, HIGH DENSITY PLASTIC OR BETTER.
5. **THROUGH FRAME:** FOR INSTALLATION INTO 2X WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FRAME:** 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. **STRAP INSTALLATION:** FOR INSTALLATION INTO 2X WOOD FRAMING USE TWO (2) #8 WOOD SCREWS PER STRAP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
8. **NAIL FIN:** FOR INSTALLATION INTO 2X WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
10. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
11. 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.
12. 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.
13. 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. 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.
  - D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM 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 IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: AURALAST® WOOD
7. WINDOW CLADDING MATERIAL: ALUMINUM 6063-T5
8. IN ACCORDANCE WITH THE CURRENT FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN SEC 2003.
9. IN ACCORDANCE WITH CURRENT FBC, SECTION 2411 WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES AS DEFINED IN SECTION 2326.
10. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.

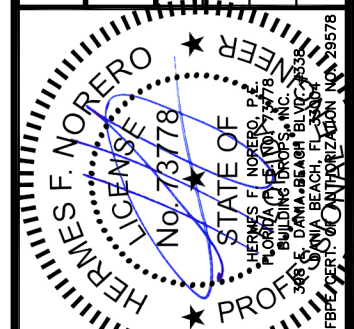
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OVERALL SIZE		GLAZING TYPE	DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
60"	72"	G1 OR G5	+60/- 70 PSF	SMALL & LARGE MISSILE IMPACT
96"	72"	G2, G3 OR G4	+60/- 65 PSF	

TITLE: CUSTOM CLAD FIXED CASEMENT WINDOW INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC. 398 E. DANIA BEACH BLVD. #338 DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

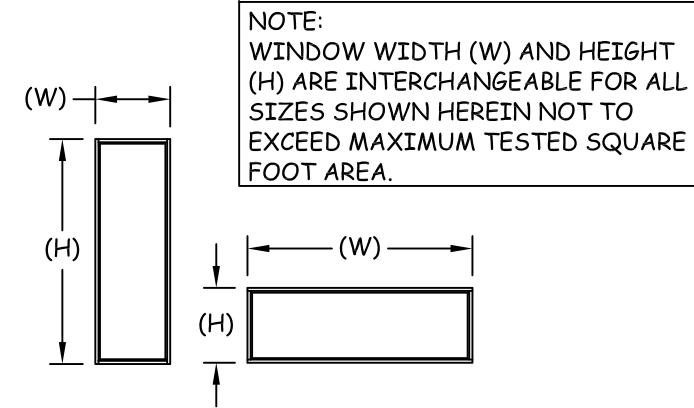
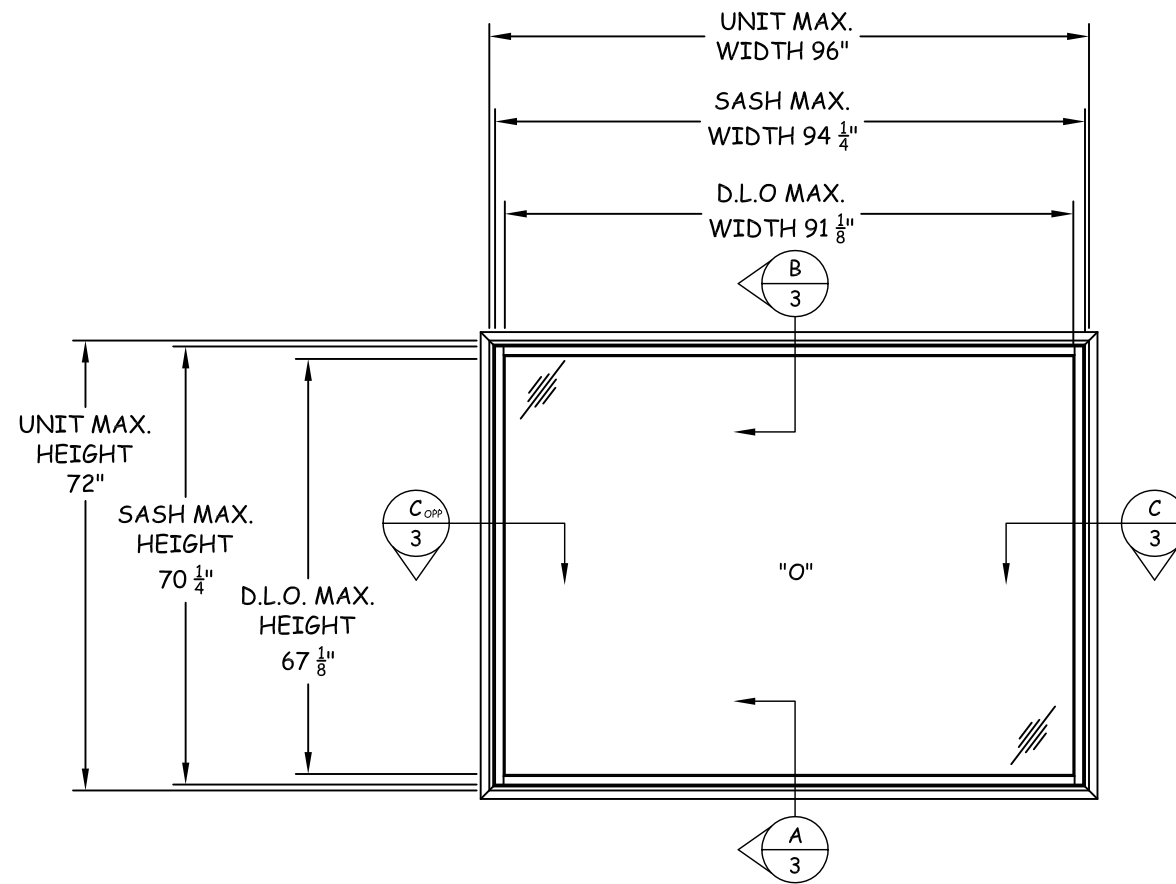
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NO.	A	REV. PER LATEST TESTING	MS	8.21.12
B		UPDATED GLAZING TYPES	JLA	11.26.12



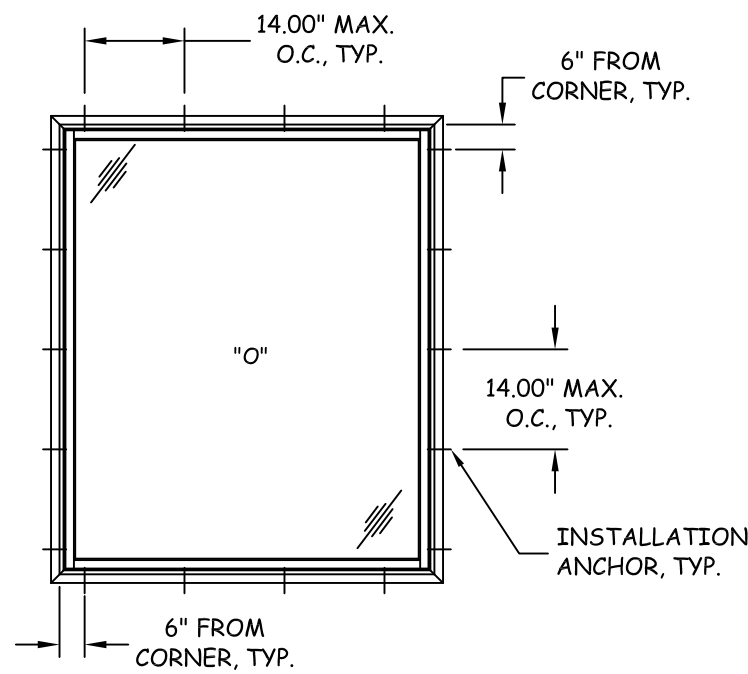
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CHK BY: HFN  
SCALE: NTS

DWG #: **JW013**

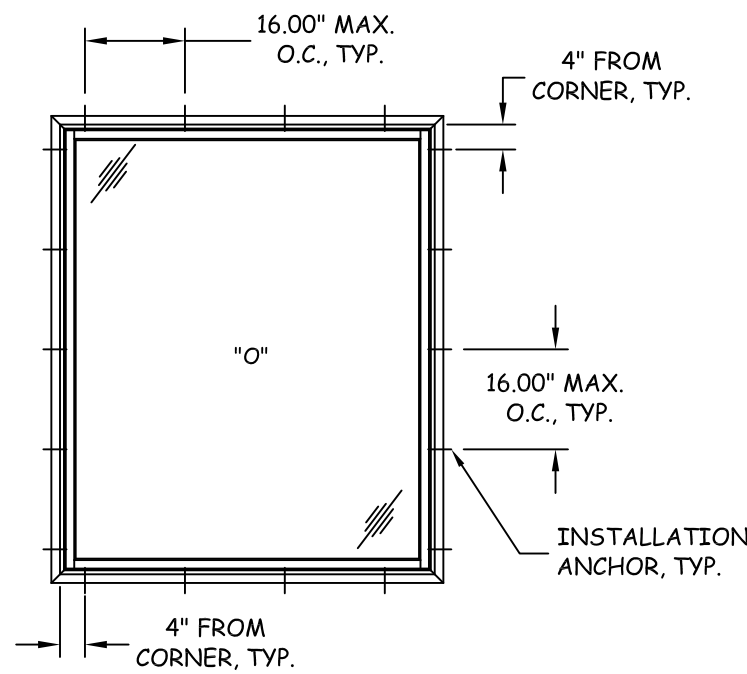
SHEET: **1 OF 5**



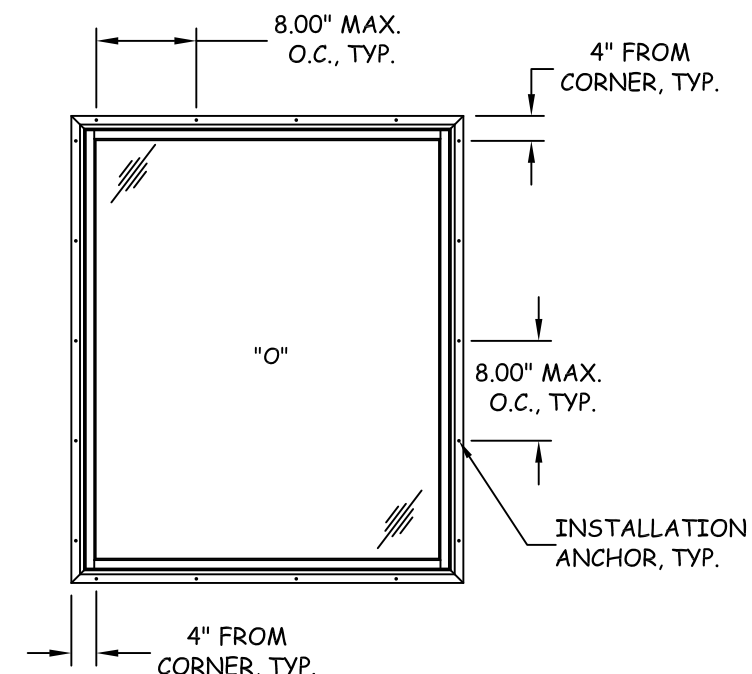
**TYPICAL ELEVATION**



**ANCHOR LAYOUT**  
STRAP INSTALLATION



**ANCHOR LAYOUT**  
THROUGH FRAME INSTALLATION

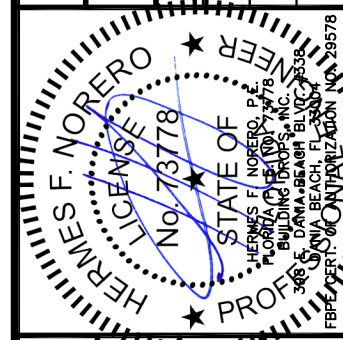


**ANCHOR LAYOUT**  
NAIL FIN INSTALLATION

TITLE: CUSTOM CLAD FIXED CASEMENT WINDOW ELEVATION & ANCHOR LAYOUTS

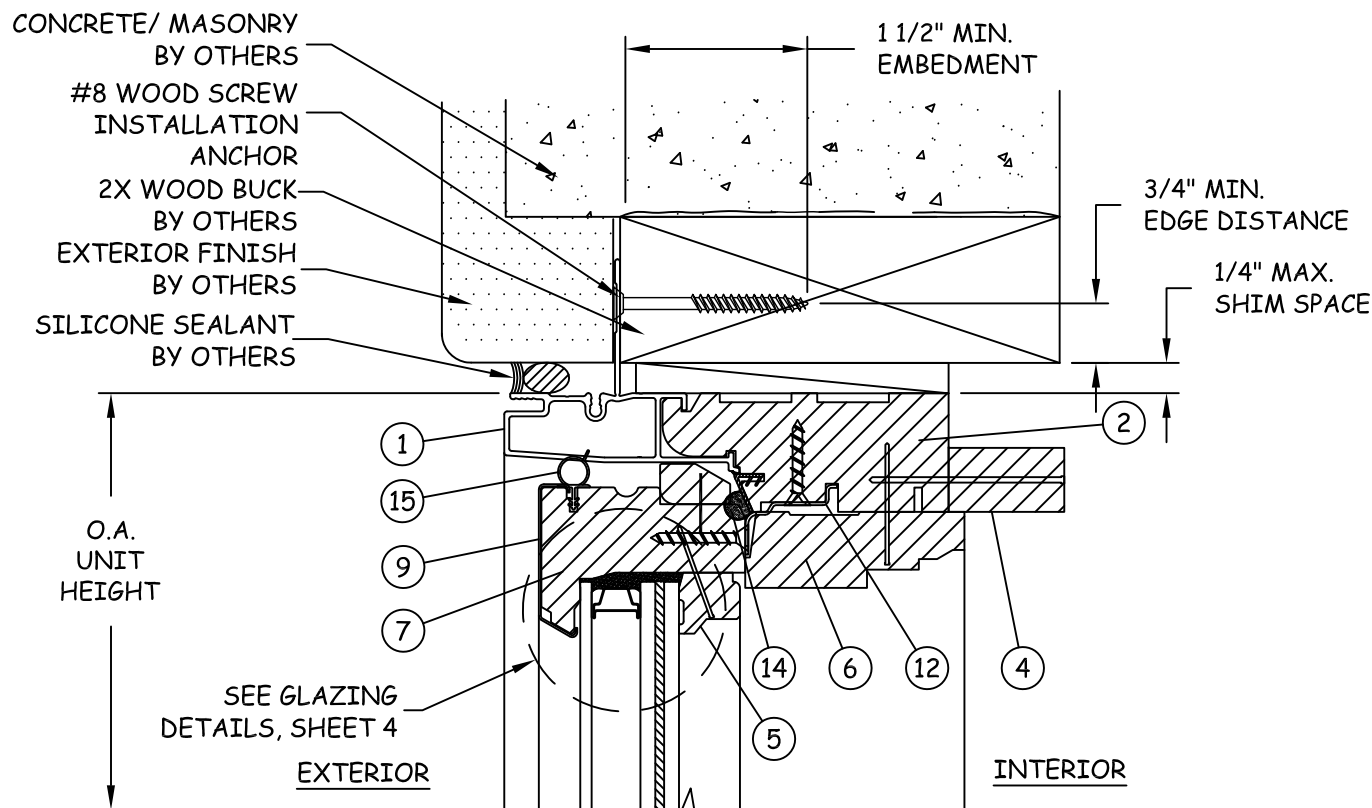
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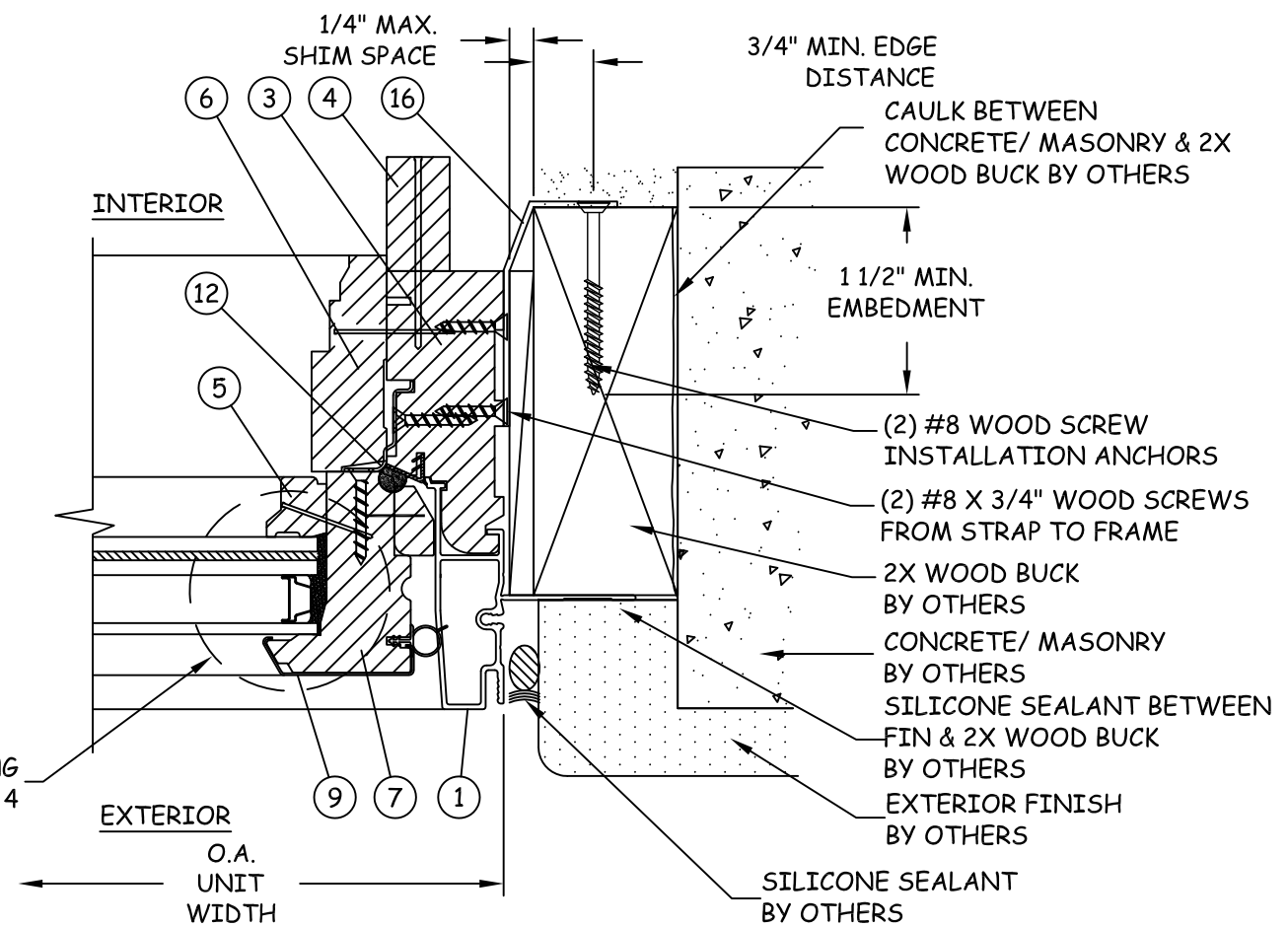


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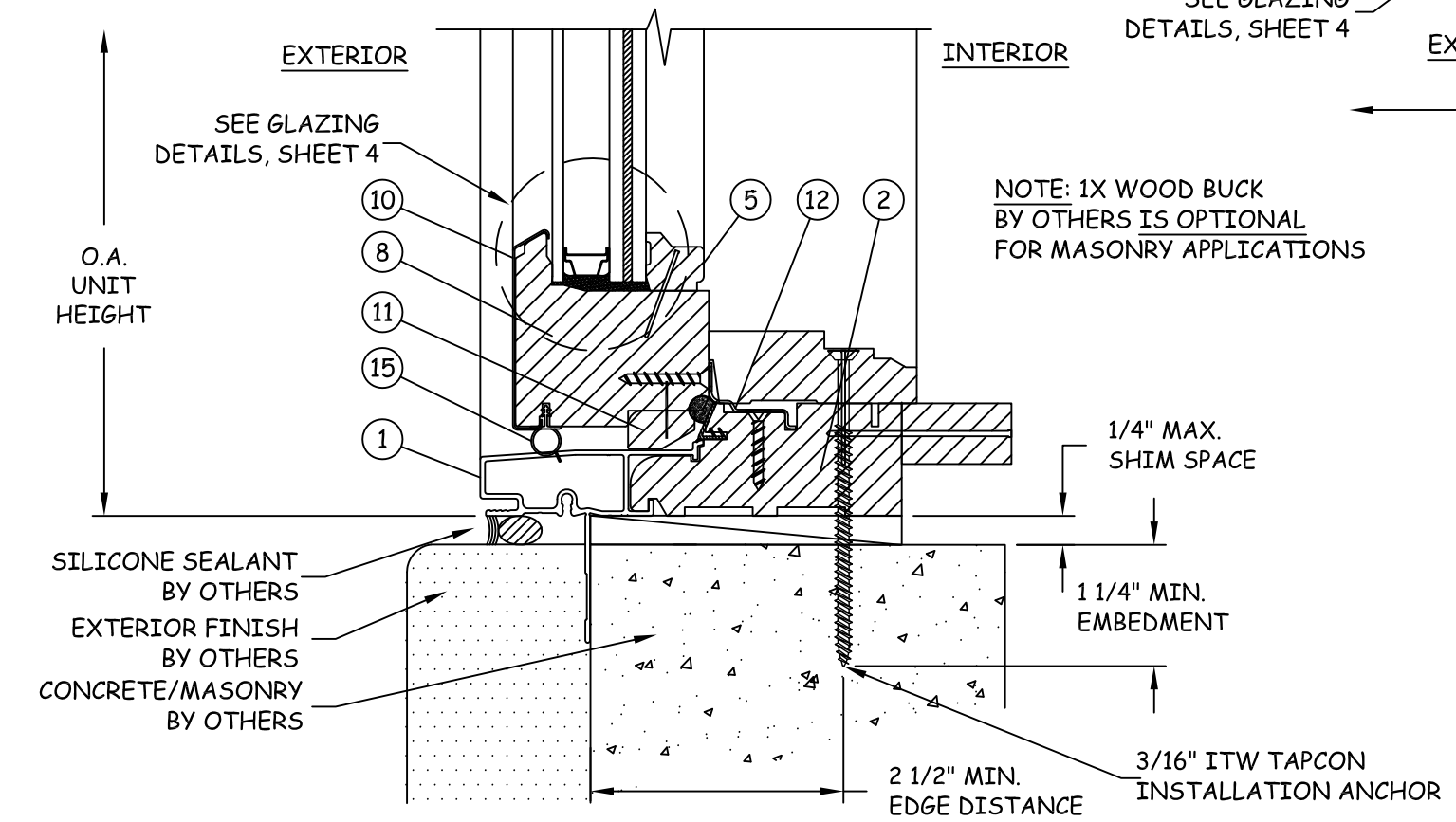
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SHEET: **2 OF 5**



**B**  
**3**  
**VERTICAL SECTION**  
HEAD - 2X WOOD BUCK  
NAIL FIN INSTALLATION, TYP.



**C**  
**3**  
**HORIZONTAL SECTION**  
JAMB-2X WOOD BUCK  
STRAP INSTALLATION, TYP.



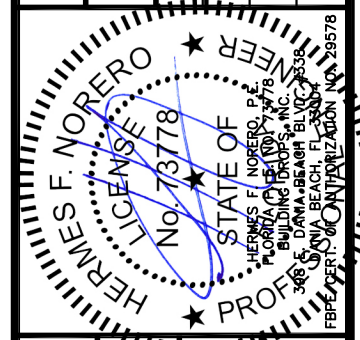
**A**  
**3**  
**VERTICAL SECTION**  
SILL - CONCRETE/MASONRY  
THROUGH FRAME INSTALLATION, TYP.

NOTE: 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS

TITLE: CUSTOM CLAD FIXED CASEMENT WINDOW VERTICAL & HORIZONTAL SECTIONS

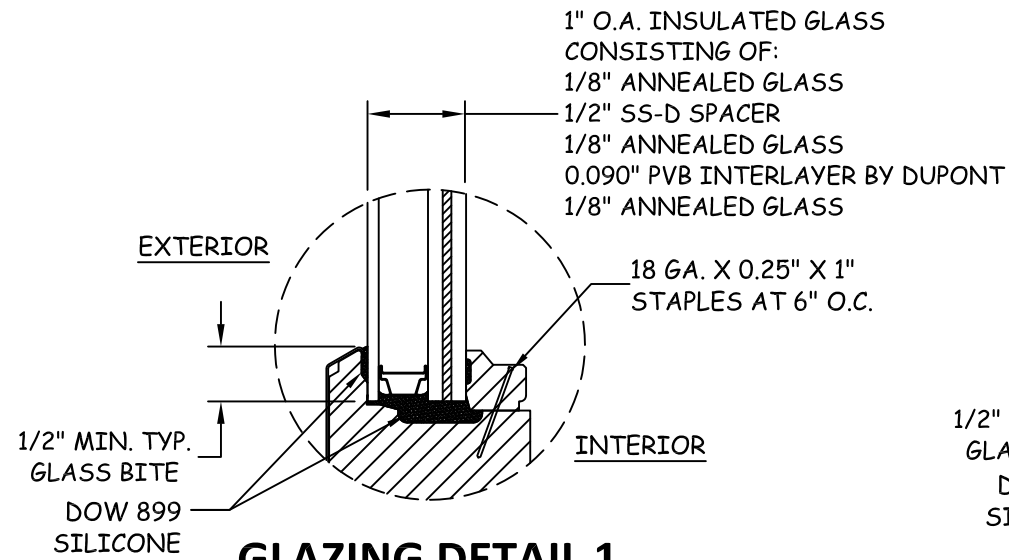
PREPARED BY: BUILDING DROPS, INC.  
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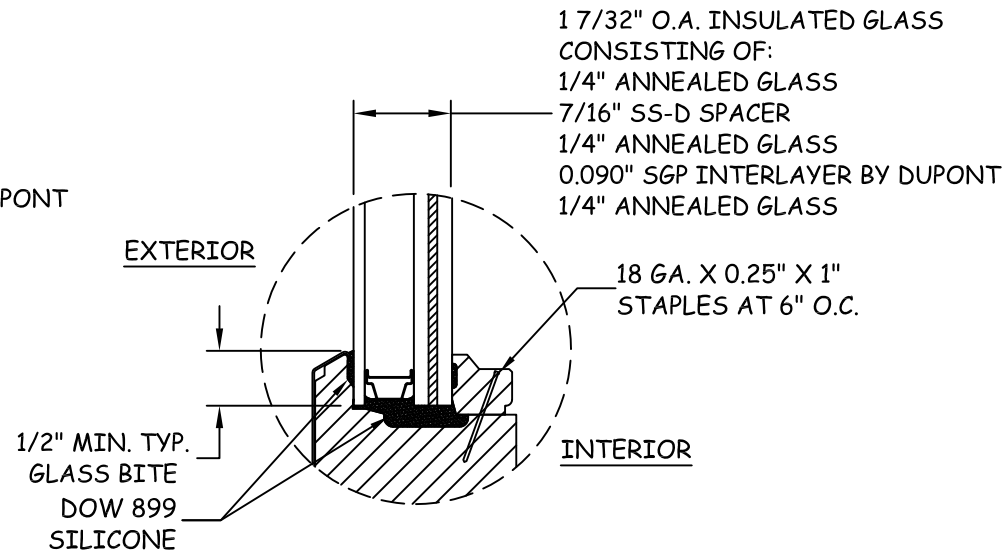


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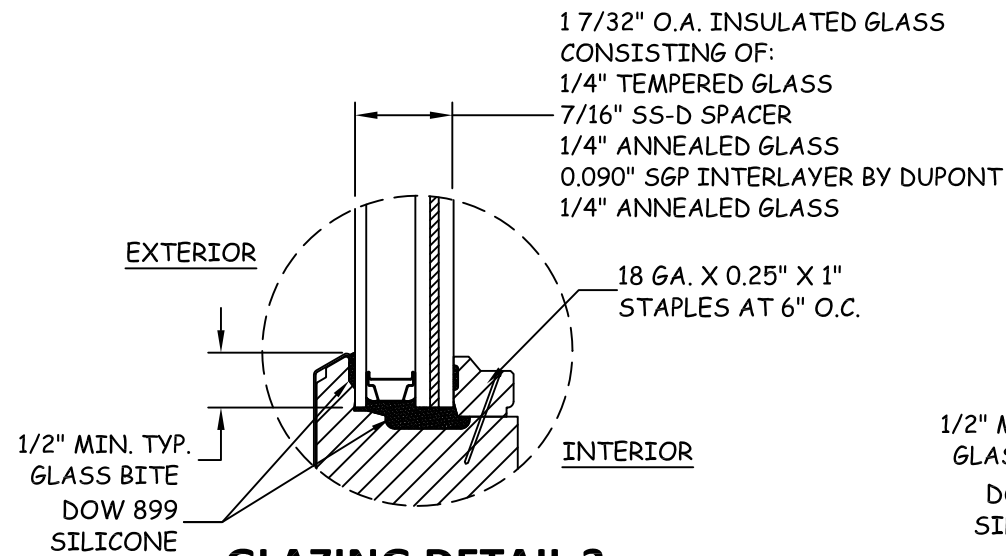
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SHEET: **3 OF 5**



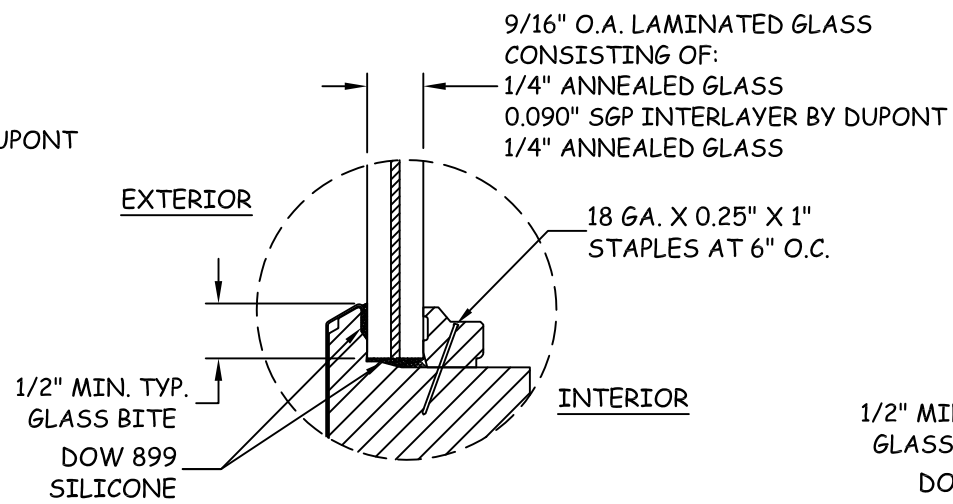
**GLAZING DETAIL 1**



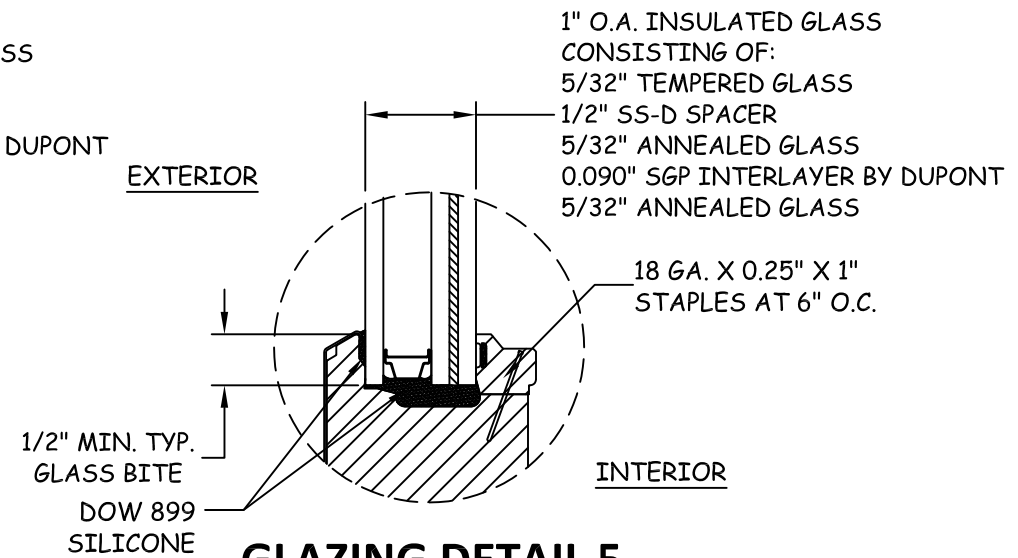
**GLAZING DETAIL 2**



**GLAZING DETAIL 3**



**GLAZING DETAIL 4**



**GLAZING DETAIL 5**

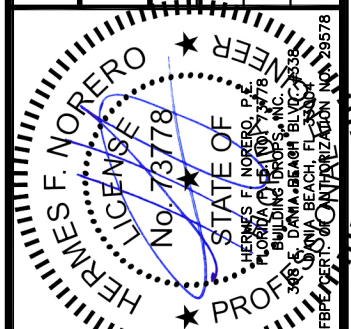
FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN  
AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS  
MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT  
PROTECTIVE SYSTEM PER FBC SECTION 2411.3.3.7.

TITLE: CUSTOM CLAD FIXED  
CASEMENT WINDOW  
GLAZING DETAILS

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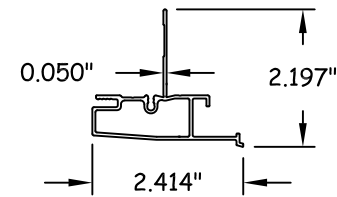
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SHEET: **4 OF 5**

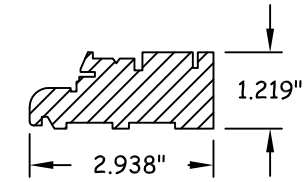
BILL OF MATERIALS				
ITEM NO.	DESCRIPTION	PART NUMBER	MATERIAL	MANUFACTURER
1	FRAME CLADDING	VH-53638	ALUMINUM	JELD-WEN
2	HEAD/SILL	CA0151HJ	WOOD	JELD-WEN
3	SIDE JAMB	CA0174SJ	WOOD	JELD-WEN
4	JAMB EXTENDER	CA260AJE	WOOD	JELD-WEN
5	GLAZING STOP	CA0278SP	WOOD	JELD-WEN
6	SASH STOP	CA0311SP	WOOD	JELD-WEN
7	RAIL/STILE	CA0147RA	WOOD	JELD-WEN
8	BOTTOM RAIL	CA0148RA	WOOD	JELD-WEN
9	TOP RAIL/STILE CLADDING	1A16498	ALUMINUM	JELD-WEN
10	BOTTOM RAIL CLADDING	1A16047-05	ALUMINUM	JELD-WEN
11	SASH SETTING BLOCK	CA0106MS	WOOD	JELD-WEN
12	SASH BRACKET	AC-258	STEEL	JELD-WEN
13	NOT USED	---	---	---
14	FRAME WEATHERSTRIP	12261	POLYETHYLENE	JELD-WEN
15	SASH WEATHERSTRIP	50468A	POLYETHYLENE	JELD-WEN
16	20 GA. INSTALL STRAP (10" X 1.5")	---	GALV. STEEL	JELD-WEN

NOTE: ALL WOOD COMPONENTS ARE PRESSURE TREATED AURALAST.

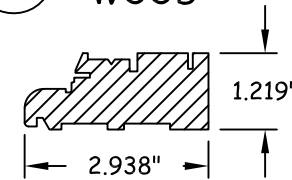
1 FRAME CLADDING ALUMINUM 6063-T5



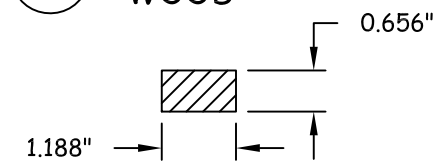
2 HEAD & SILL WOOD



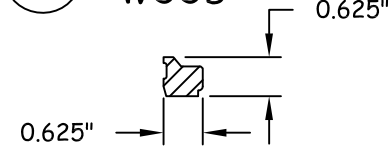
3 SIDE JAMB WOOD



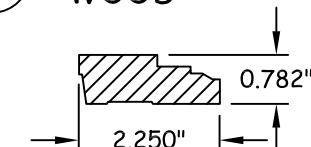
4 JAMB EXTENDER WOOD



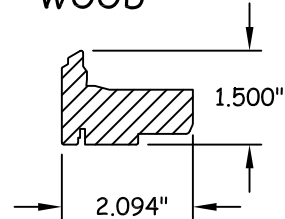
5 GLAZING STOP WOOD



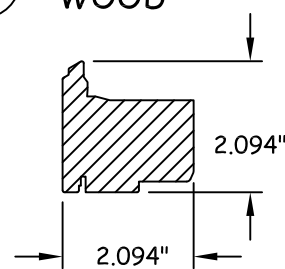
6 SASH STOP WOOD



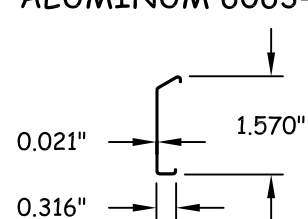
7 TOP RAIL/STILE WOOD



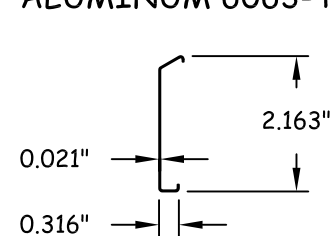
8 BOTTOM RAIL WOOD



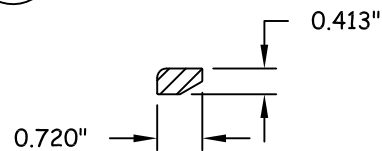
9 TOP RAIL/STILE CLADDING ALUMINUM 6063-T5



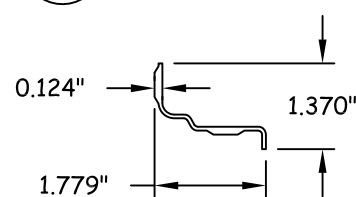
10 BOTTOM RAIL CLADDING ALUMINUM 6063-T5



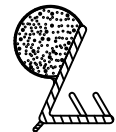
11 SASH SETTING BLOCK WOOD



12 SASH BRACKET STEEL



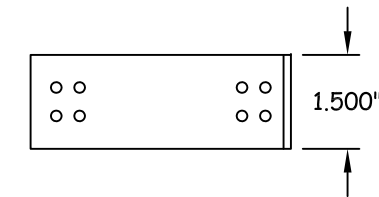
14 FRAME WEATHERSTRIP POLYETHYLENE



15 SASH WEATHERSTRIP POLYETHYLENE



16 20 GA. INSTALL STRAP GALV. STEEL



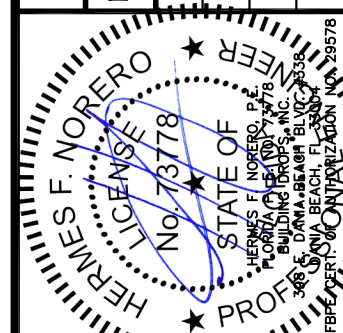
**JELD-WEN**  
WINDOWS & DOORS

JELD-WEN, Inc.  
3737 LAKEPORT BOULEVARD  
KLAMATH FALLS, OR 97601  
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TITLE: CUSTOM CLAD FIXED CASEMENT WINDOW COMPONENTS & BILL OF MATERIALS  
PREPARED BY: BUILDING DROPS, INC.  
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**REVISIONS**

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B	UPDATED GLAZING TYPES	JLA	11.26.12



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CHK BY: HFN  
SCALE: NTS

DWG #: **JW013**  
SHEET: **5 OF 5**