

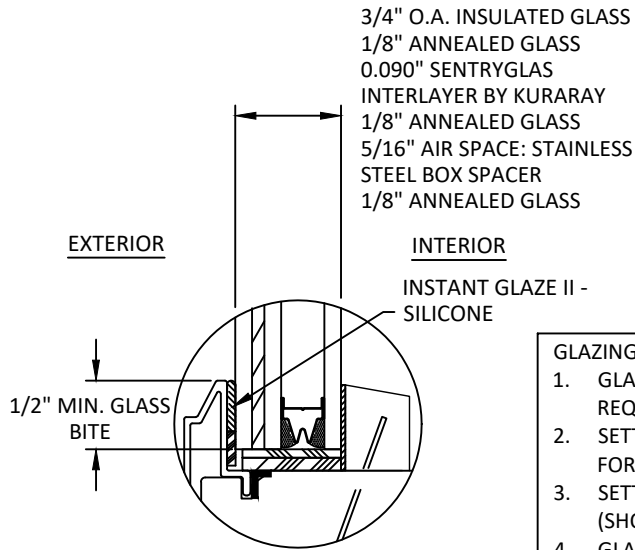
# ANDERSEN CORPORATION

## E-SERIES CASEMENT WINDOW

### (HVHZ)(IMPACT)

GENERAL NOTES:

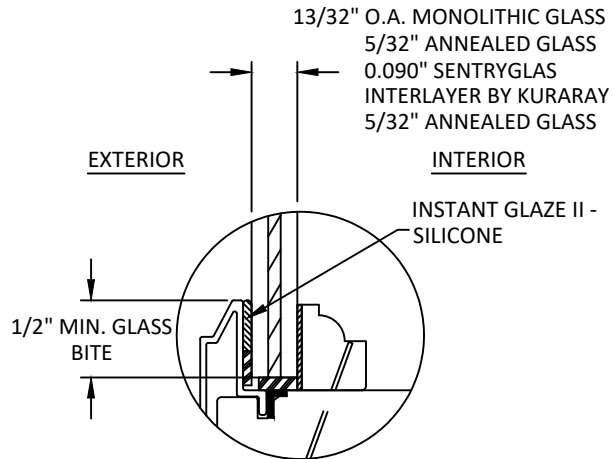
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: *ALUMINUM CLAD WOOD.*
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300. SEE GLAZING DETAILS ON SHEET 1.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL
9. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.



GLAZING DETAIL G1

GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS.
2. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
3. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
4. GLASS TYPE SHALL COMPLY WITH APPLICABLE GLAZING REQUIREMENTS PER CHAPTER 24 OF THE FBC



GLAZING DETAIL G2

| WINDOW TYPE | OVERALL FRAME SIZE |              | OVERALL D.L.O. DIMENSION |              | GLASS TYPE | No. LOCK POINTS | DESIGN PRESSURE (PSF) |      |
|-------------|--------------------|--------------|--------------------------|--------------|------------|-----------------|-----------------------|------|
|             | WIDTH (IN.)        | HEIGHT (IN.) | WIDTH (IN.)              | HEIGHT (IN.) |            |                 | POS.                  | NEG. |
| SINGLE      | 36.0               | 72.0         | 29.87                    | 65.87        | G1         | 3               | +65                   | -75  |
| SINGLE      | 36.0               | 72.0         | 29.87                    | 65.87        | G2         | 3               | +65                   | -75  |
| SINGLE      | 36.0               | 66.0         | 29.87                    | 59.87        | G1         | 2               | +65                   | -75  |
| SINGLE      | 36.0               | 66.0         | 29.87                    | 59.87        | G2         | 2               | +65                   | -75  |

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| 3                 | B        | ANCHOR LAYOUTS                    |
| 4                 | B        | VERTICAL SECTIONS                 |
| 5                 | B        | HORIZONTAL SECTIONS               |
| 6                 | B        | ANCHOR DETAILS                    |



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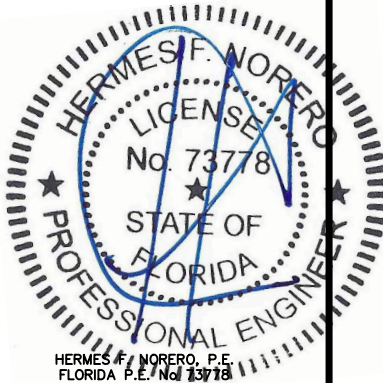
TITLE:  
E-SERIES CLAD VENT CASEMENT  
WINDOW HVHZ (IMPACT)  
GENERAL NOTES AND GLAZING DETAILS

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478  
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| REMARKS         | BY | DATE  |
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| 6TH FBC EDITION | FM | 10/17 |
| FORMAT UPDATE   | LL | 8/16  |
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #:  
FL24226

DATE: 10.12.17

DWG. BY: RV  
CHK. BY: HFN

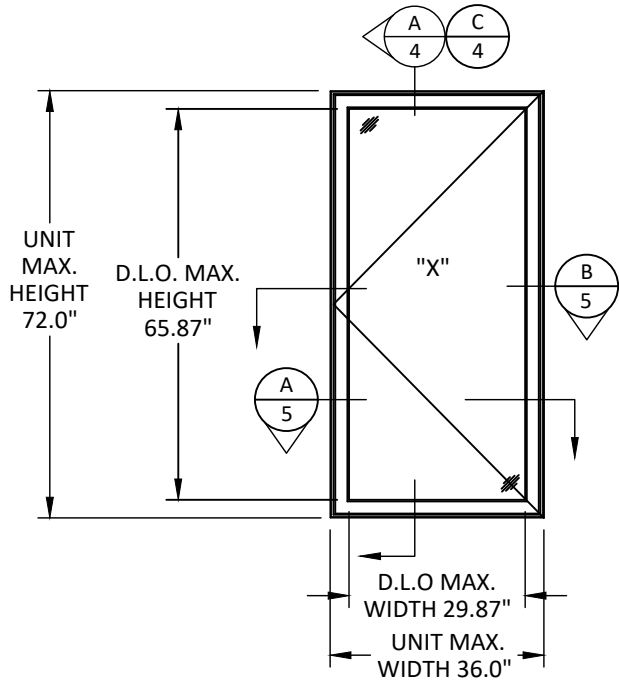
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DWG. #: AWD220

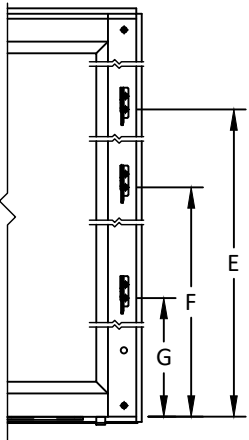
SHEET

1

OF 6



ELEVATION  
SINGLE UNIT



| KEEPER LOCATION |        |        |        |
|-----------------|--------|--------|--------|
| FRAME HEIGHT    | E (IN) | F (IN) | G (IN) |
| <=32            | 15.750 | -      | -      |
| <36             | 11.500 | 21.750 | -      |
| <=40            | 11.500 | 27.750 | -      |
| <=48            | 11.500 | 33.750 | -      |
| <=54            | 11.500 | 39.750 | -      |
| <=60            | 11.500 | 45.750 | -      |
| <=66            | 11.500 | 51.750 | -      |
| 72              | 11.500 | 34.656 | 57.812 |



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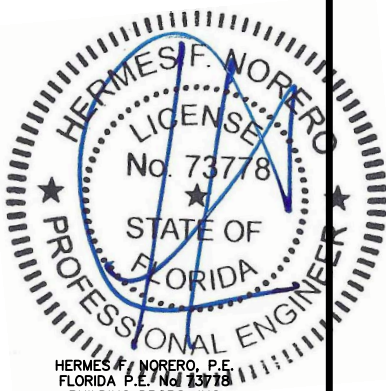
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ELEVATIONS

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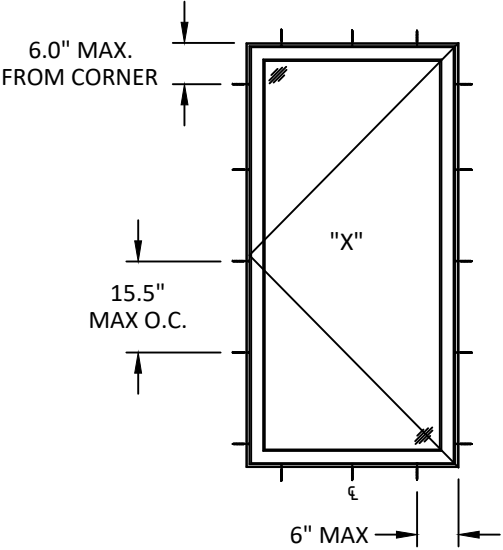
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SCALE: NTS

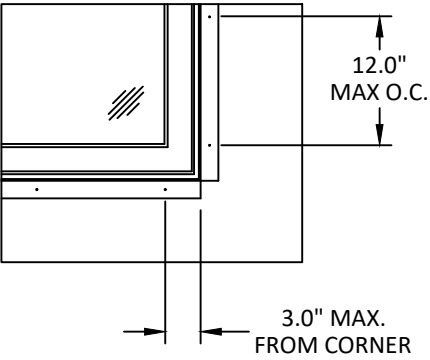
DWG. #: AWD220

SHEET

2



ANCHOR LAYOUT  
THROUGH FRAME



ALUMINUM FIN ANCHORING  
SINGLE UNIT

NOTE :

FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, ANCHOR TYPE, QUALIFIED SUBSTRATES) SEE SHEET 6



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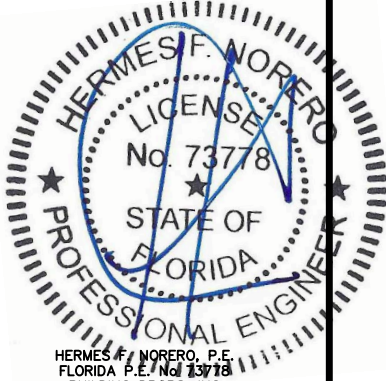
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ANCHOR LAYOUTS

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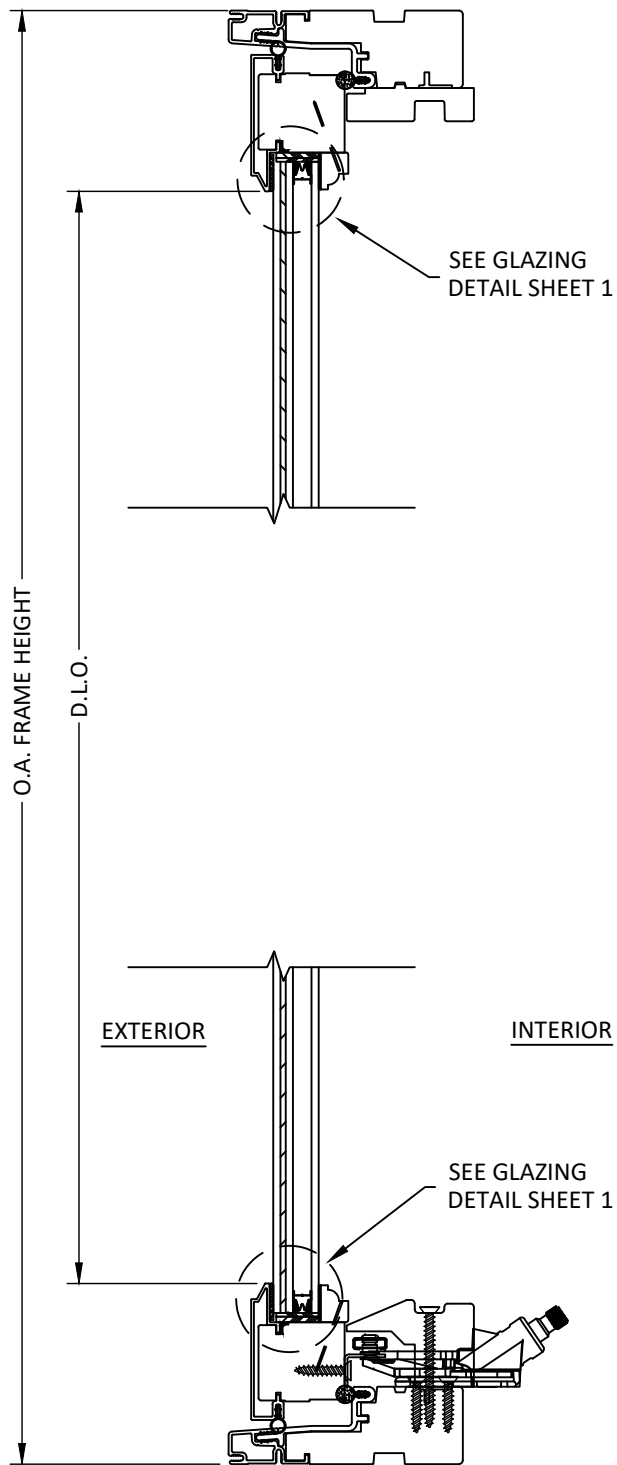
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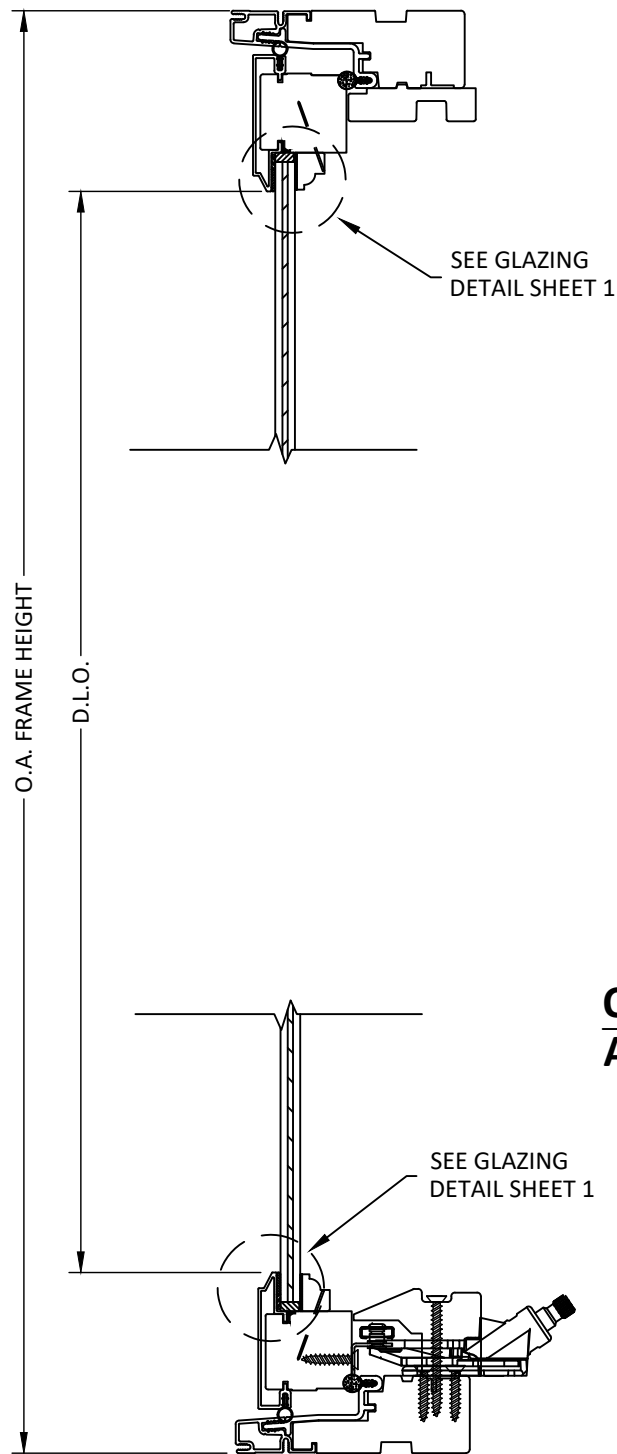
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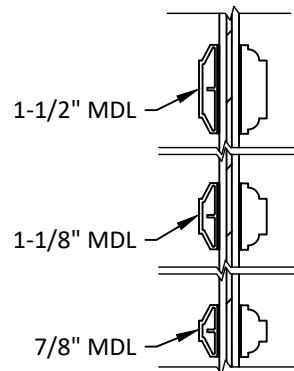
3



**A**  
**4** **VERTICAL SECTION**  
INSULATED GLASS



**B**  
**4** **VERTICAL SECTION**  
MONOLITHIC GLASS



**OPTIONAL MUNTIN BAR  
ATTACHMENT TO GLASS**



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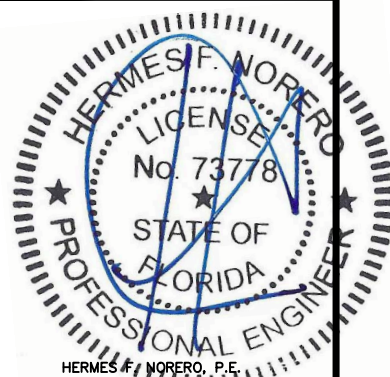
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**E-SERIES CLAD VENT CASEMENT  
WINDOW HVHZ (IMPACT)**  
VERTICAL SECTIONS

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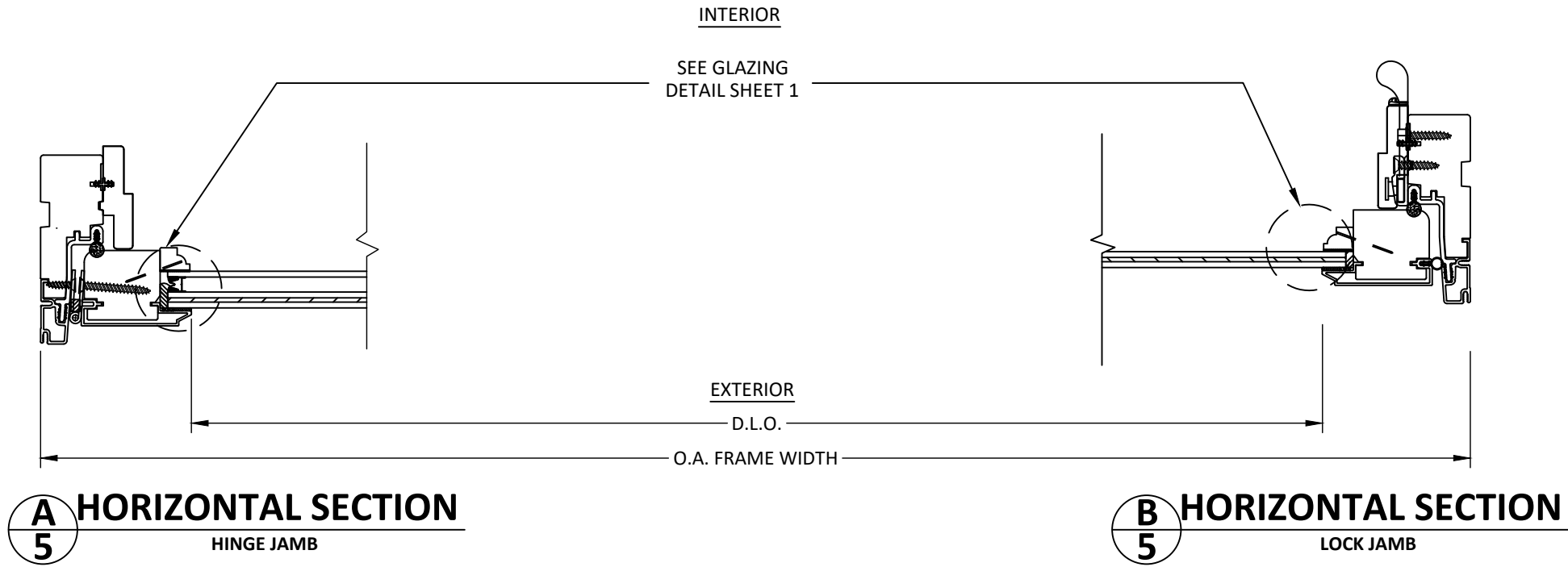
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DWG. #: **AWD220**

SHEET

**4**



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HORIZONTAL SECTIONS

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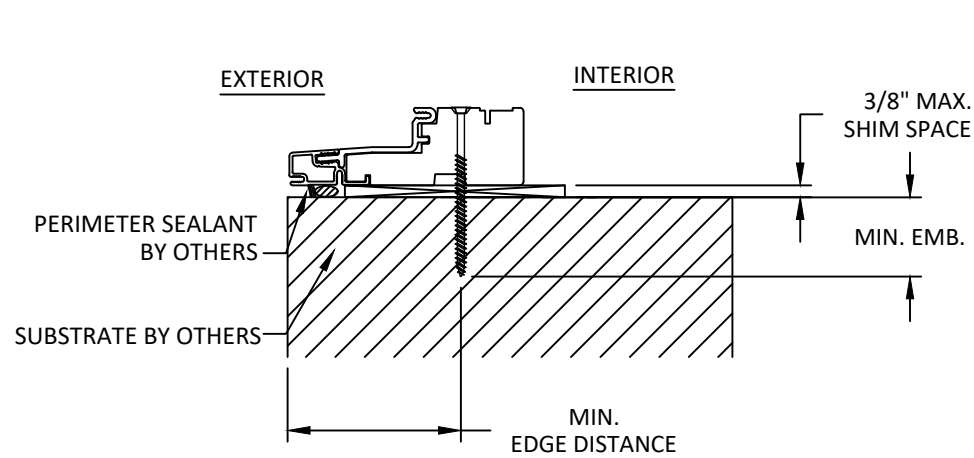
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**5**

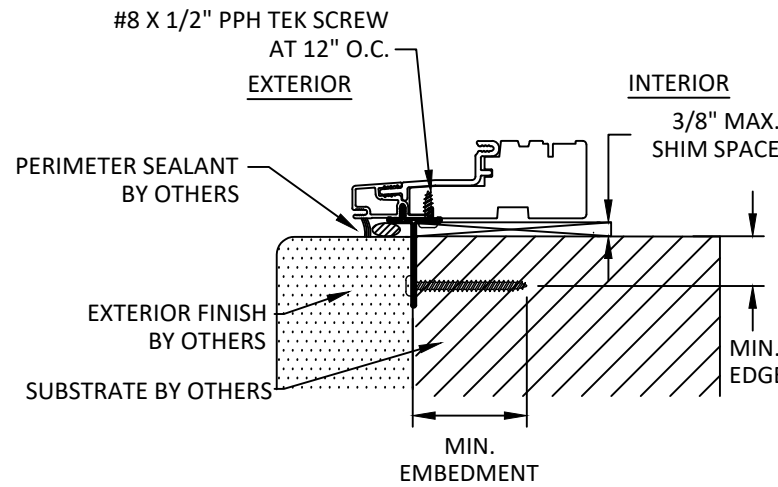


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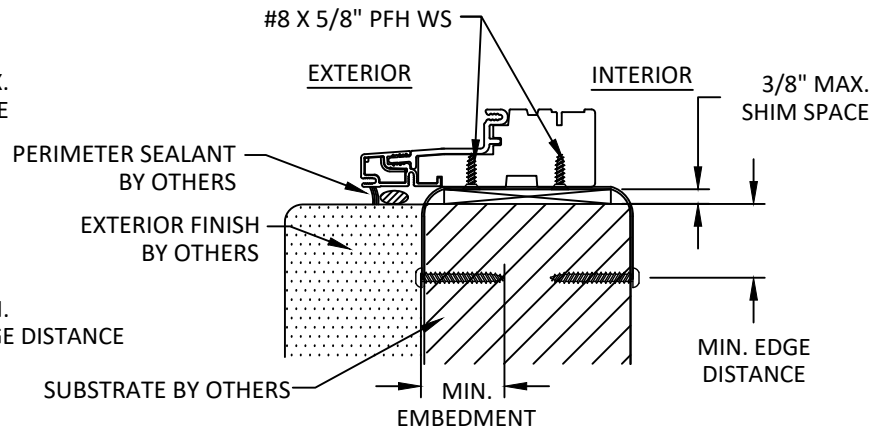
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**A**  
**6** **ANCHOR DETAIL**  
THROUGH FRAME



**B**  
**6** **ANCHOR DETAIL**  
ALUMINUM NAIL FIN



**C**  
**6** **ANCHOR DETAIL**  
STRAP ANCHOR

-HEAD, SILL AND JAMB HAVE  
SIMILAR DETAILS

**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 OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/2$  INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (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 3/8" INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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.

| ANCHOR SCHEDULE         |                  |                  |                        |                 |                     |
|-------------------------|------------------|------------------|------------------------|-----------------|---------------------|
| INSTALLATION TYPE       | QTY PER LOCATION | SUBSTRATE        | ANCHOR TYPE            | EMBEDMENT (IN.) | EDGE DISTANCE (IN.) |
| STRAP                   | 2                | WOOD             | #8 WOOD ANCHOR         | 1.5000          | 0.75                |
| STRAP                   | 2                | CONCRETE/MASONRY | 3/16" ITW TAPCON       | 1.2500          | 2.50                |
| STRAP                   | 2                | METAL STUD       | #8 SELF-TAPPING SCREW  | 3 THREADS       | 0.75                |
| THRU FRAME              | 1                | WOOD             | #10 WOOD ANCHOR        | 1.5000          | 0.75                |
| THRU FRAME              | 1                | CONCRETE/MASONRY | 3/16" ITW TAPCON       | 1.2500          | 2.50                |
| THRU FRAME              | 1                | METAL STUD       | #10 SELF-TAPPING SCREW | 3 THREADS       |                     |
| ALUMINUM NAILING FLANGE | 1                | WOOD             | 11 GA. ROOFING NAIL    | 1.5000          | 0.75                |
| ALUMINUM NAILING FLANGE | 1                | WOOD             | #8 WOOD ANCHOR         | 1.5000          | 0.75                |
| ALUMINUM NAILING FLANGE | 1                | METAL STUD       | #8 SELF-TAPPING SCREW  | 3 THREADS       | 0.75                |



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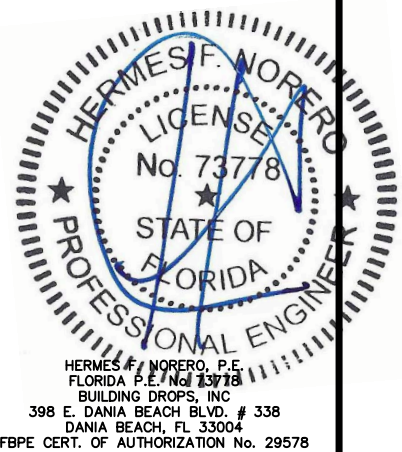
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DWG. BY: **RV** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD220**

SHEET

**6**

OF 6