

PORTELLA STEEL DOORS AND WINDOWS

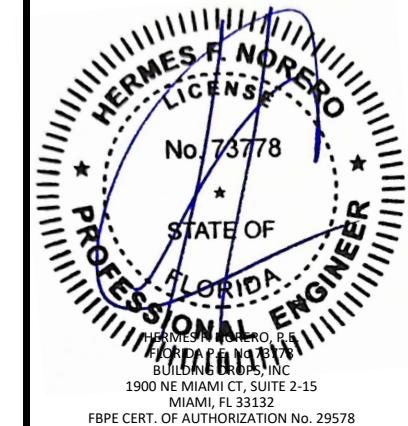
ARTISAN SERIES AWNING WINDOW (HVHZ)(IMPACT)

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING HVHZ** AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
 - AAMA/WDMA/CSA 101/I.S.2/A440-17
 - ASTM E1886-19
 - ASTM E1996-20
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING 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 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. AWNING FRAME MATERIAL: HOT ROLLED STAINLESS STEEL 304 POLYESTER FIBERGLASS
7. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED , TREATED, PAINTED, COATED, AND / OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

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| 7 | BILL OF MATERIALS & COMPONENTS |

| OVERALL SIZE | | DESIGN PRESSURE | IMPACT RATING |
|--------------|-------------|-----------------|--|
| WIDTH | HEIGHT | | |
| SEE SHEET 3 | SEE SHEET 3 | | LARGE AND SMALL MISSILE IMPACT RATED |



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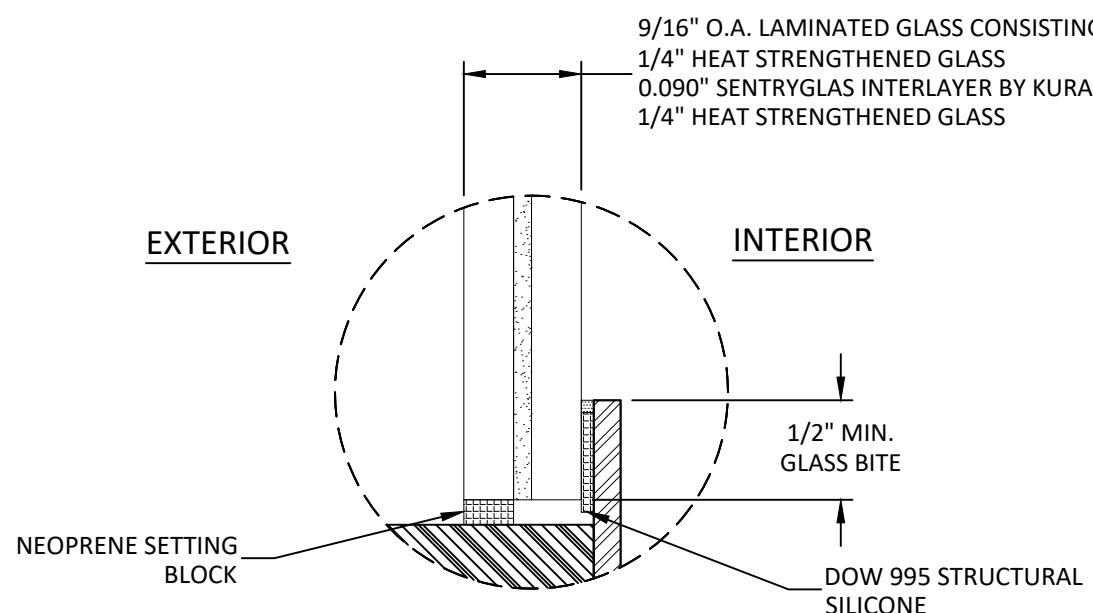
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SCALE: **NTS**

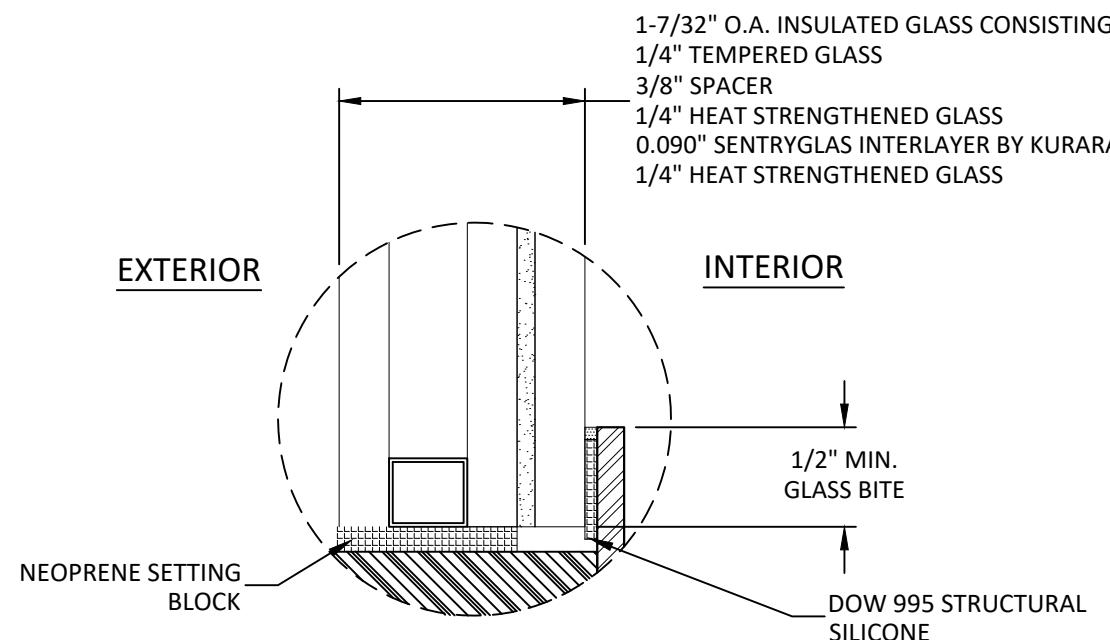
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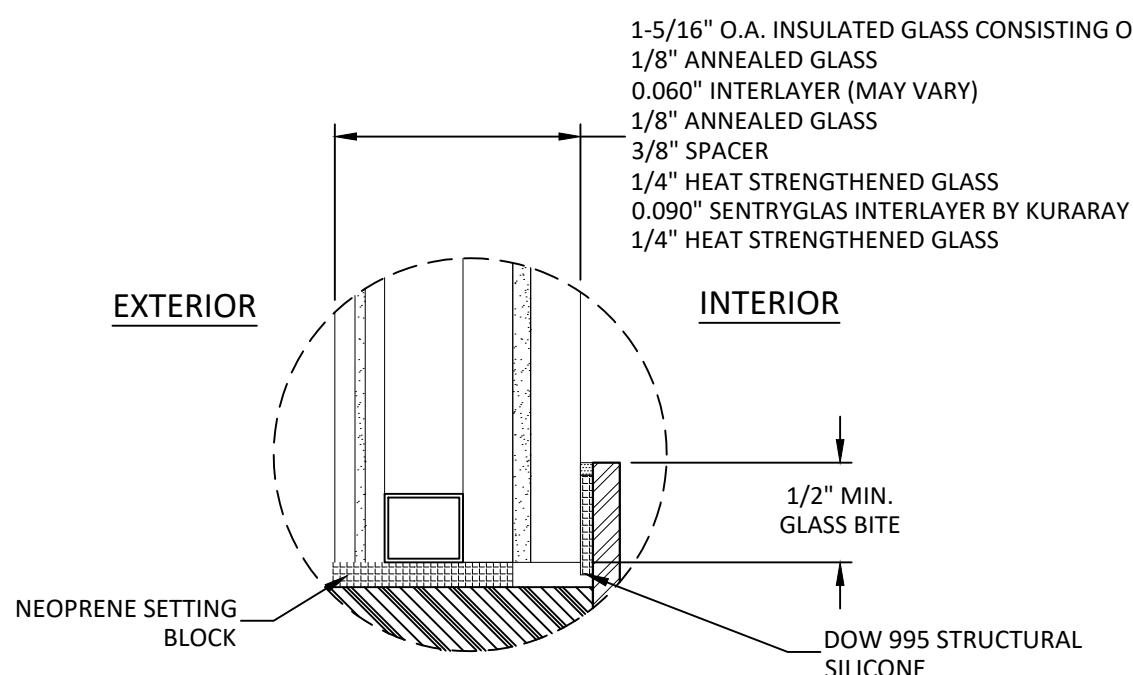
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GLAZING DETAIL 1



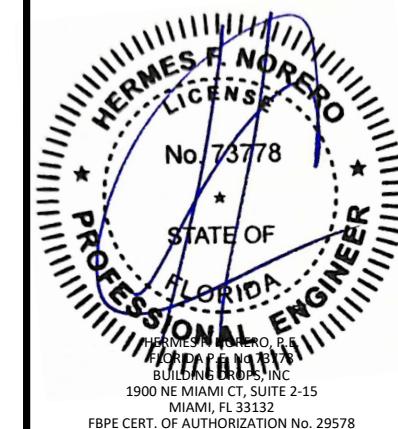
GLAZING DETAIL 2



GLAZING DETAIL 3

GLAZING NOTES:

1. GLASS TYPE COMPLIES WITH ASTM E1300 AND THE FBC SAFETY GLAZING REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.
5. WINDOW WAS TESTED WITHOUT THE USE OF A GLAZING BEAD. GLAZING BEAD IS OPTIONAL AND NOT REQUIRED. SPACER MATERIAL MAY VARY AS WELL. EXTERIOR GLASS LITE HEAT TREATMENT MAY VARY AS WELL.



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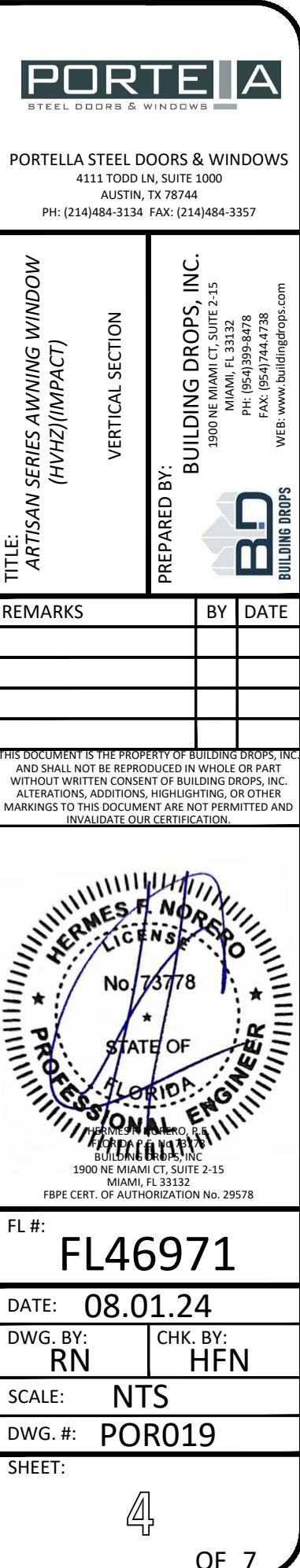
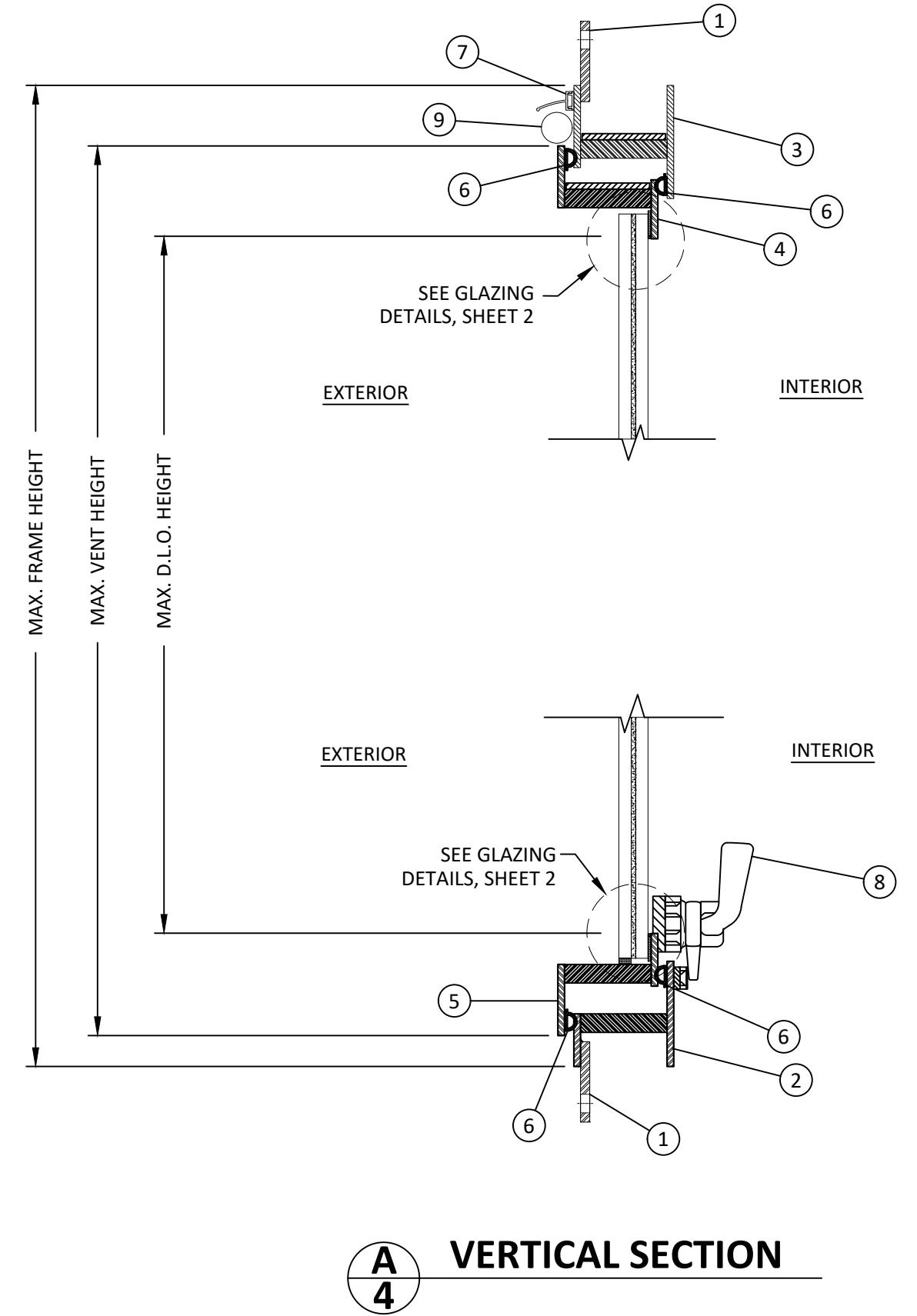
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2

OF 7



TITLE: ARTISAN SERIES AWNING WINDOW
 (HVHZ)/IMPACT

HORIZONTAL SECTION

PREPARED BY:

| REMARKS | BY | DATE |
|---------|----|------|
| | | |
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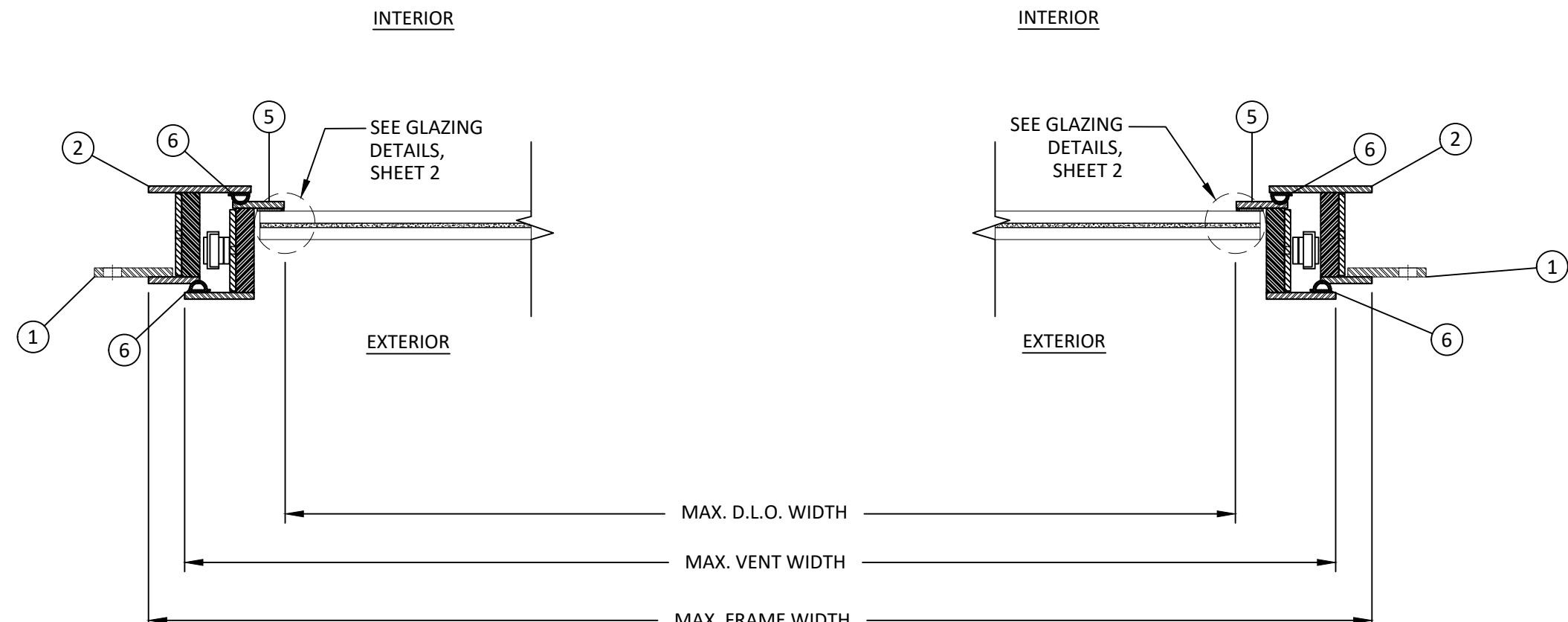
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OF 7



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5

HORIZONTAL SECTION



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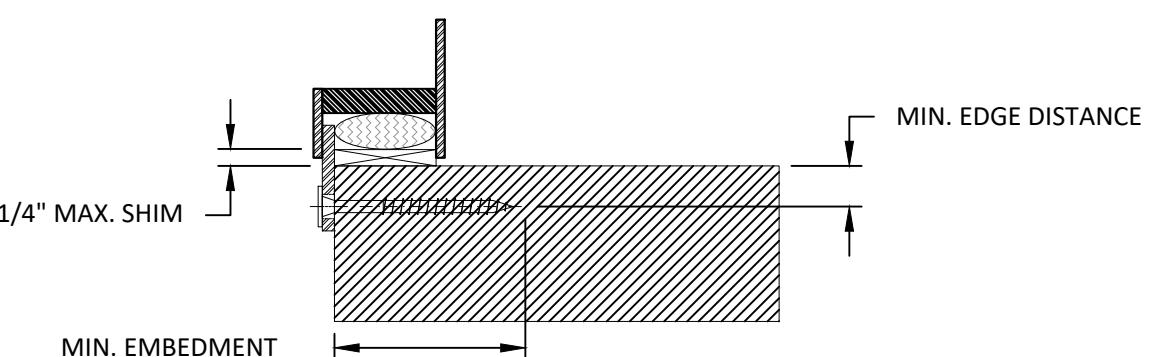
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SHEET: **6**

| ANCHOR SCHEDULE | | | | |
|-----------------|--|---|---|--------------------|
| METHOD | SUBSTRATE | ANCHOR TYPE | MIN. EMBEDMENT | MIN. EDGE DISTANCE |
| NAIL FIN | WOOD: MIN. SG = 0.55 | #12 WOOD SCREW | 1.5" | 0.75" |
| | STEEL: MIN. 18 GAUGE, MIN. FY = 33 KSI | #12 SELF DRILLING OR SELF TAPPING SCREW | 3 THREADS MIN. PENETRATION BEYOND METAL | 0.50" |
| | METAL: ALUMINUM MIN. 18" THICKNESS. MIN. 6063-T5 | | 3 THREADS MIN. PENETRATION BEYOND METAL | 0.50" |



INSTALLATION NOTES:

- ONE 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 $\pm 1/2$ " 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 AS NEEDED TO ACHIEVE A PLUMB AND SQUARE INSTALLATION. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". 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 ANCHOR 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 SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR SEALING AWNINGS AND ACCESSORY ITEMS.

VERTICAL SECTION

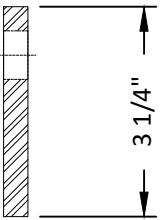
A
6

SILL

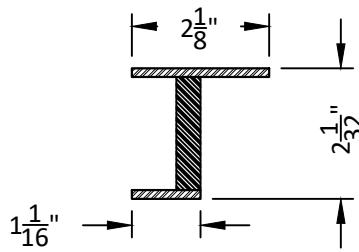
NOTE: HEAD & JAMB SIMILAR

| BILL OF MATERIALS | | | |
|-------------------|-----------|-------------------|-------------|
| ITEM | PART NO. | DESCRIPTION | MATERIAL |
| 1 | - | FLANGE | SAE 304 |
| 2 | 14 | JAMBS/SILL | SAE 304/FRP |
| 3 | 14 CUSTOM | HEAD | SAE 304/FRP |
| 4 | 03 | TOP RAIL | SAE 304/FRP |
| 5 | 13 | BOTTOM RAIL/STILE | SAE 304/FRP |
| 6 | - | GASKET | EPDM |
| 7 | - | DRIP CAP | 6063-T5 |
| 8 | LC300 | CASEMENT LATCH | STEEL |
| 9 | - | ADJUSTABLE HINGE | STEEL |
| 10 | - | SUPPORT ARM | STEEL |

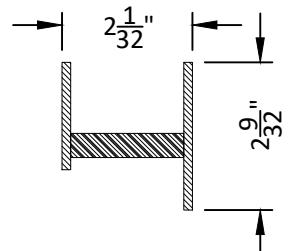
1 FLANGE
SAE 304



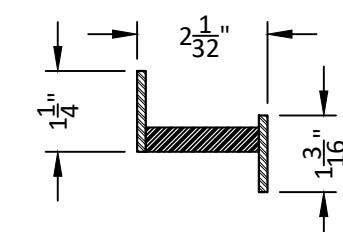
2 JAMBS / SILL
SAE 304 / FRP



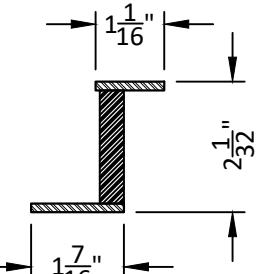
3 HEAD
SAE 304 / FRP



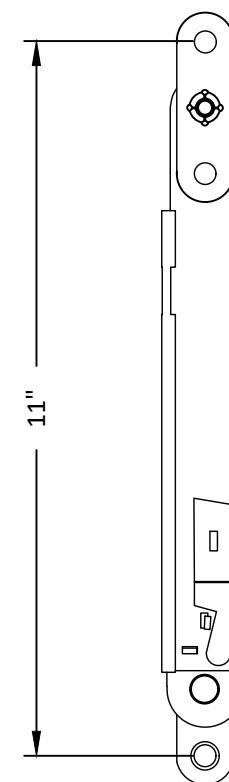
4 TOP RAIL
SAE 304 / FRP



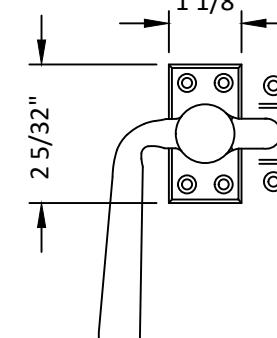
5 BOTTOM RAIL/STILE
SAE 304 / FRP



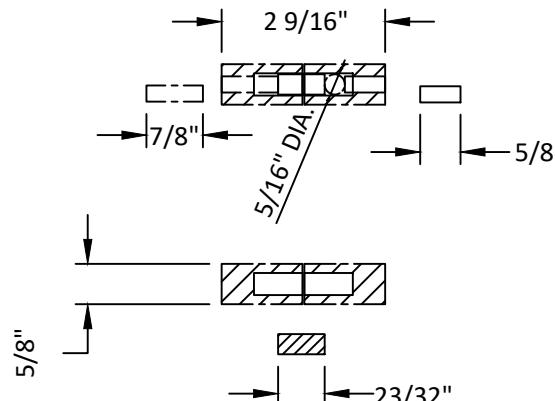
10 SUPPORT ARM
STEEL



8 CASEMENT LATCH
STEEL



9 ADJUSTABLE HINGE
STEEL



PORTELLA
STEEL DOORS & WINDOWS

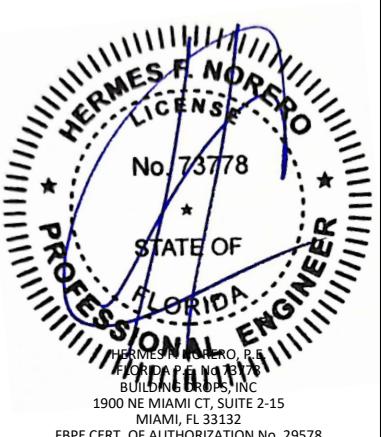
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TITLE:
ARTISAN SERIES AWNING WINDOW
(HVHZ)/IMPACT
BILL OF MATERIAL & COMPONENTS
PREPARED BY:
B.D.
BUILDING DROPS

| REMARKS | BY | DATE |
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