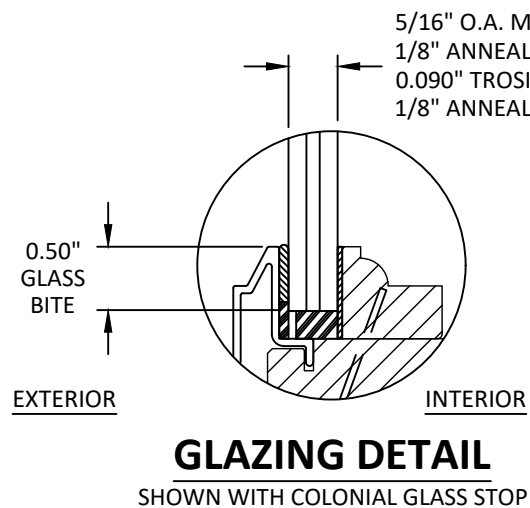


ANDERSEN CORPORATION

E-SERIES DOUBLE HUNG FULL FRAME 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, ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE 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 IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW/DOOR FRAME MATERIAL: *PONDEROSA PINE OR EQUIVALENT (S.G.=0.45)*.
7. IN ACCORDANCE WITH CH23, WOOD COMPONENTS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.
8. IN ACCORDANCE WITH THE CH20, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED.
9. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL
12. CUSTOM SIZES AVAILABLE UPON REQUEST. CUSTOM DESIGN PRESSURE WILL BE ASSIGNED EQUAL TO NEXT LARGER STANDARD SIZE.

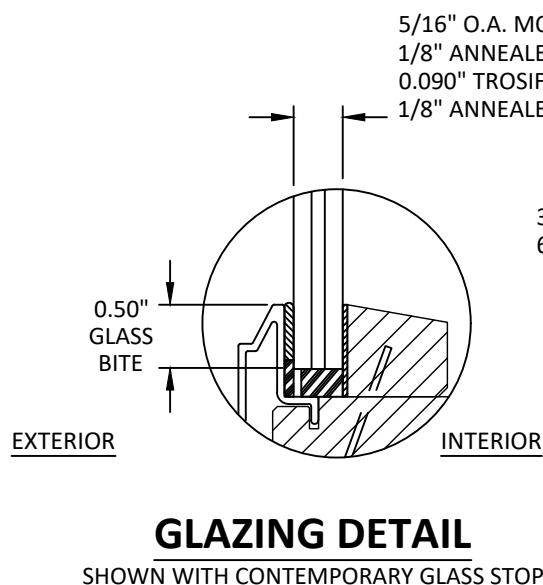


5/16" O.A. MONOLITHIC GLASS :
1/8" ANNEALED GLASS
0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA
1/8" ANNEALED GLASS

3" FROM CORNER
6" MAX. O.C.

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



5/16" O.A. MONOLITHIC GLASS :
1/8" ANNEALED GLASS
0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA
1/8" ANNEALED GLASS

3" FROM CORNER
6" MAX. O.C.

| OVERALL FRAME SIZE | | OVERALL D.L.O. DIMENSION | | GLASS TYPE | DESIGN PRESSURE (PSF) | |
|--------------------|--------------|--------------------------|--------------|------------|-----------------------|------|
| WIDTH (IN.) | HEIGHT (IN.) | WIDTH (IN.) | HEIGHT (IN.) | | POS. | NEG. |
| 40.0 | 78.0 | 33.0 | 34.0 | G1 | +55 | -65 |

TABLE OF CONTENTS

| SHEET | REVISION | SHEET DESCRIPTION |
|-------|----------|-----------------------------------|
| 1 | B | GENERAL NOTES AND GLAZING DETAILS |
| 2 | B | ELEVATIONS |
| 3 | B | ANCHOR LAYOUTS |
| 4 | B | VERTICAL SECTIONS |
| 5 | B | HORIZONTAL SECTIONS |
| 6 | B | ANCHOR DETAILS |



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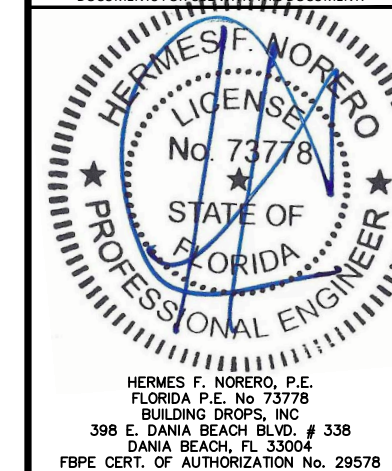
TITLE: E-SERIES DOUBLE HUNG FULL FRAME WINDOW (HVHZ)(IMPACT) GENERAL NOTES AND GLAZING DETAILS

PREPARED BY:

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

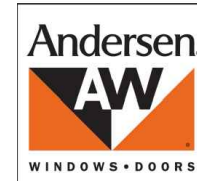
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| 6TH FBC EDITION | AG | 10/17 |
| FORMAT UPDATE | LL | 8/16 |

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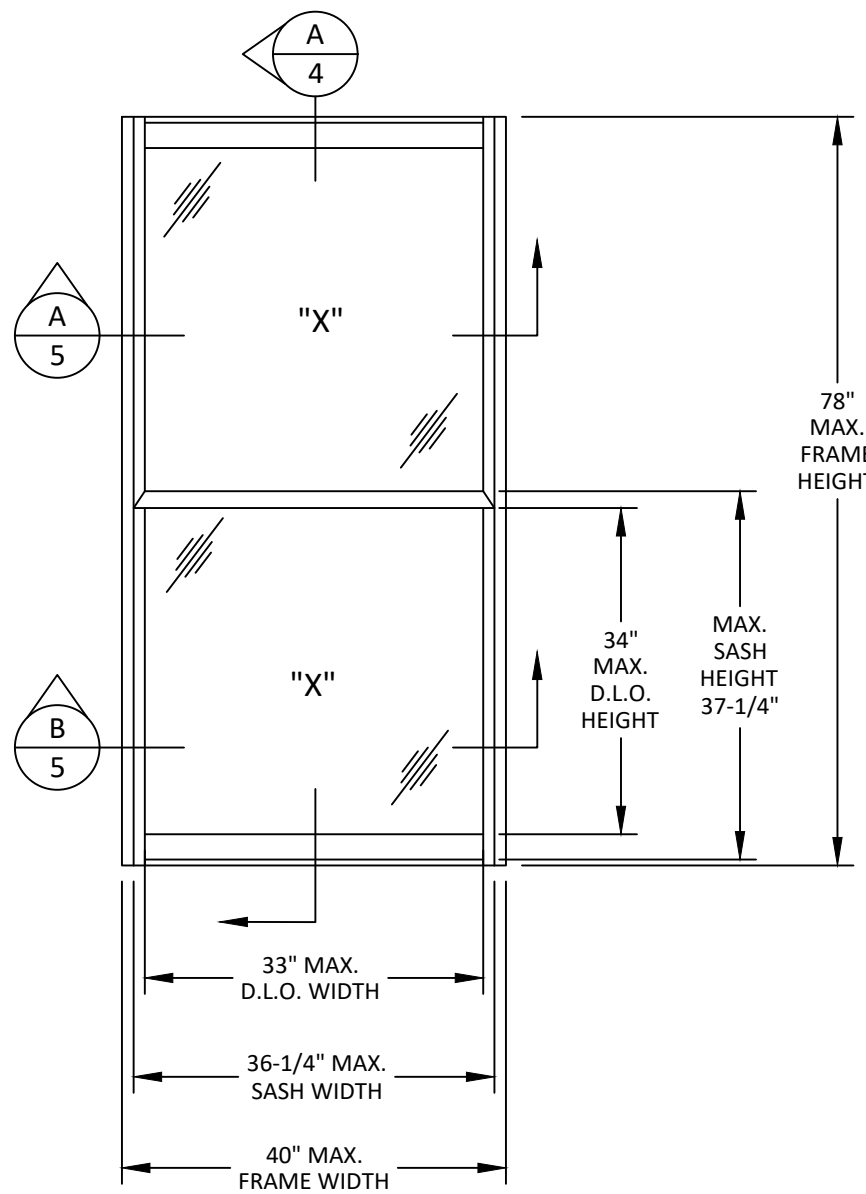


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| FL #: | FL24229 |
| DATE: | 10.09.17 |
| DWG. BY: | AG |
| CHK. BY: | HFN |
| SCALE: | NTS |
| DWG. #: | AWD202 |
| SHEET | 1 |

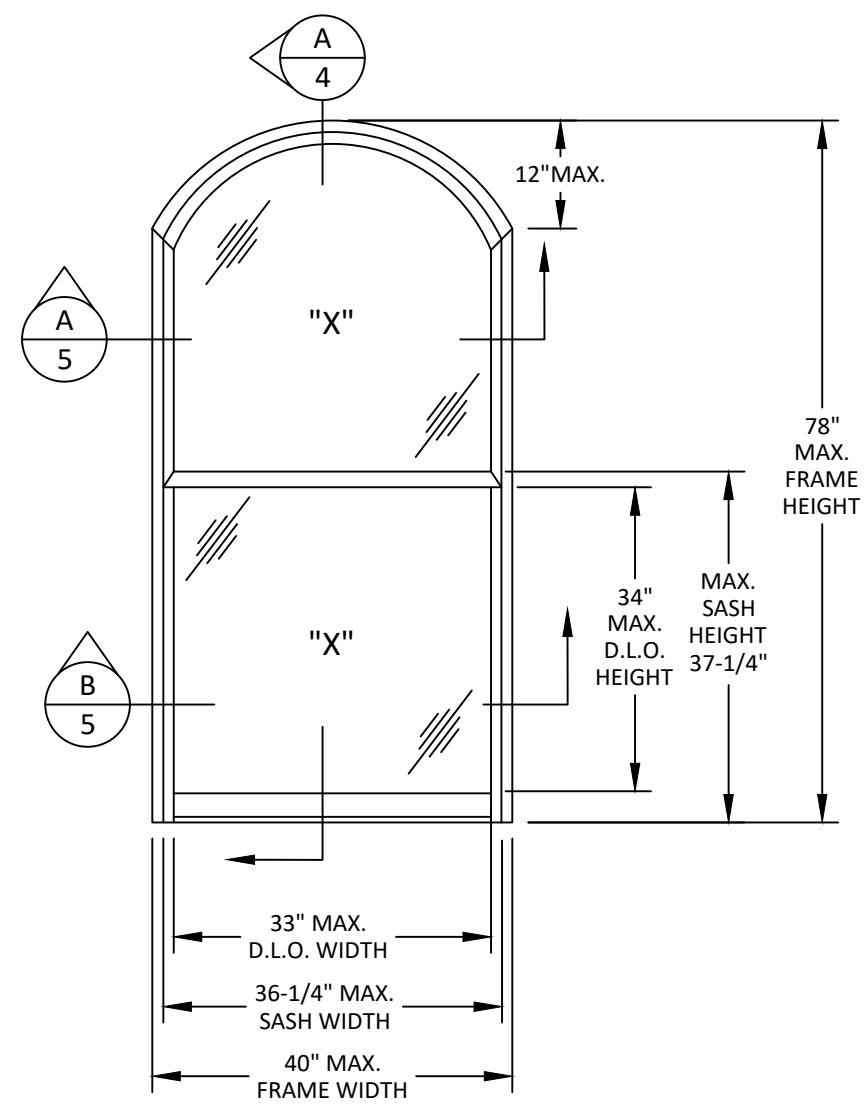
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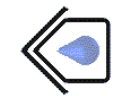


ELEVATION
 SINGLE UNIT
 RECTANGULAR/SQUARE UNIT



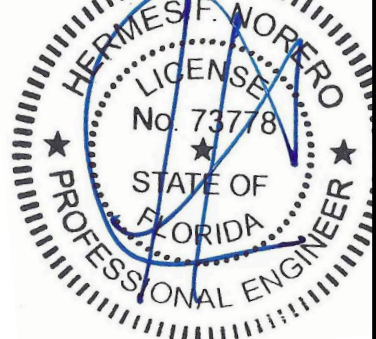
ELEVATION
 SINGLE UNIT
 RADIUS UNIT

TITLE: E-SERIES DOUBLE HUNG FULL
 FRAME WINDOW
 (HVHZ)/(IMPACT)
 ELEVATIONS

PREPARED BY:


 BUILDING DROPS, INC.
 398 E. DANIA BEACH BLVD., STE. 338
 DANIA BEACH, FL 33004
 PH: (954) 999-8478
 FAX: (954) 744-4738
 WEB: www.buildingdrops.com

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 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 #: **FL24229**

DATE: **10.09.17**

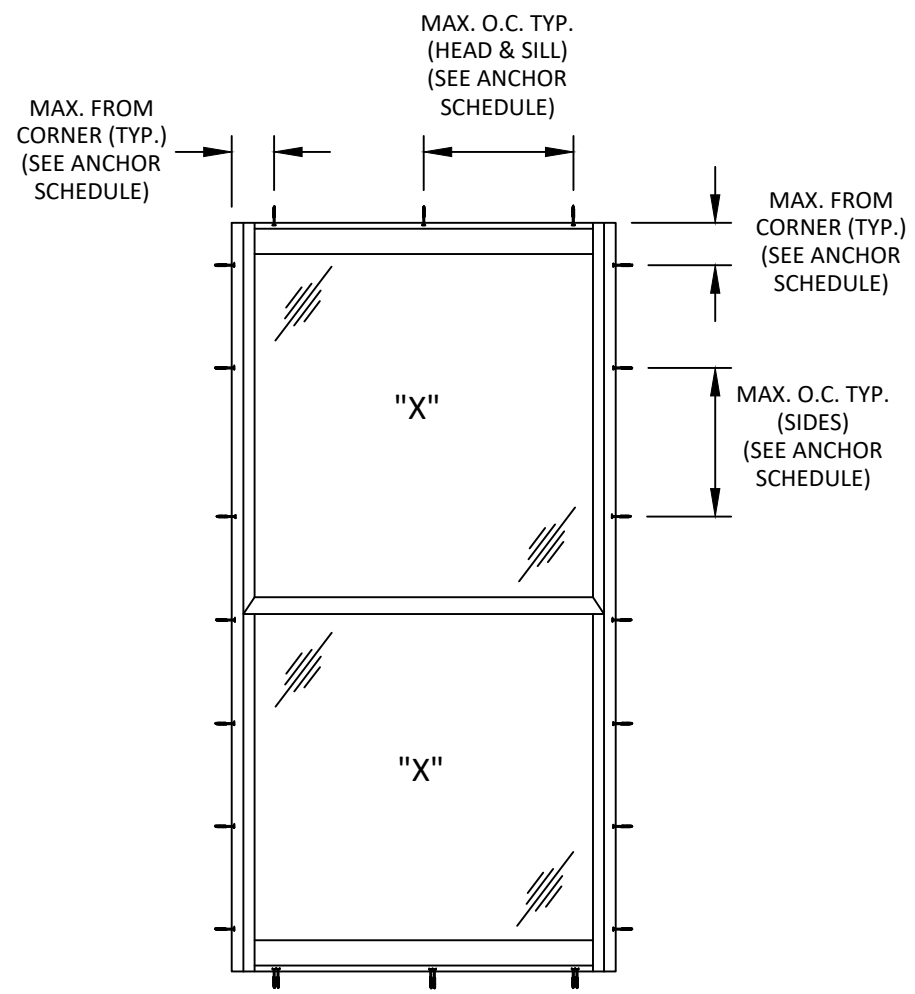
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SCALE: **NTS**

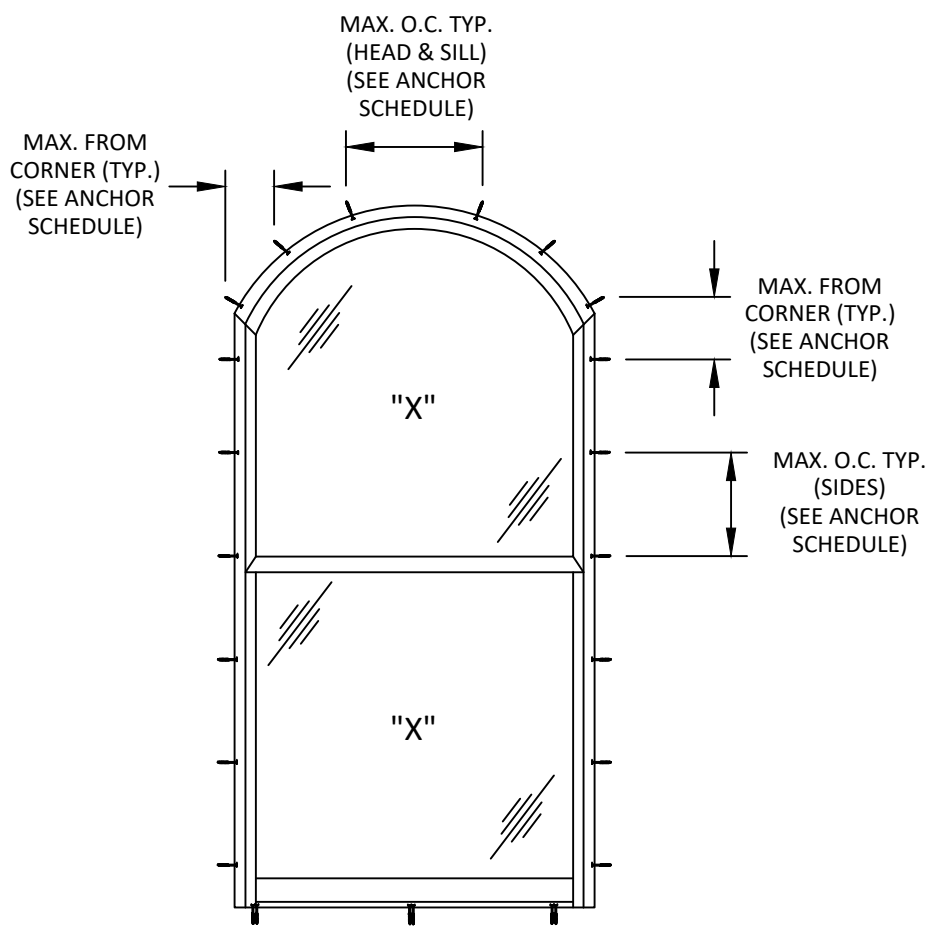
DWG. #: **AWD202**

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2
 OF 6

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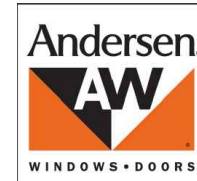


ANCHOR LAYOUT
RECTANGULAR/SQUARE SINGLE UNIT



ANCHOR LAYOUT
RADIUS SINGLE UNIT

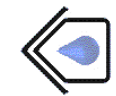
NOTE :
FOR MORE ANCHOR INFORMATION (INSTALLATION TYPE, SPACING, QUANTITY, TYPE, QUALIFIED SUBSTRATES) SEE SHEET 6



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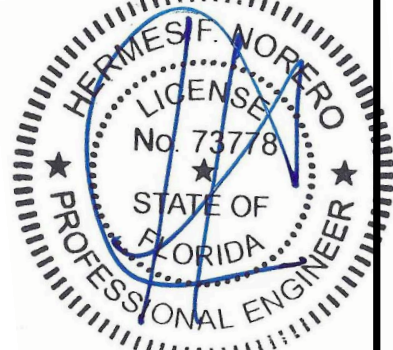
TITLE: E-SERIES DOUBLE HUNG FULL
 FRAME WINDOW
 (HVHZ)/(IMPACT)
 ANCHOR LAYOUTS

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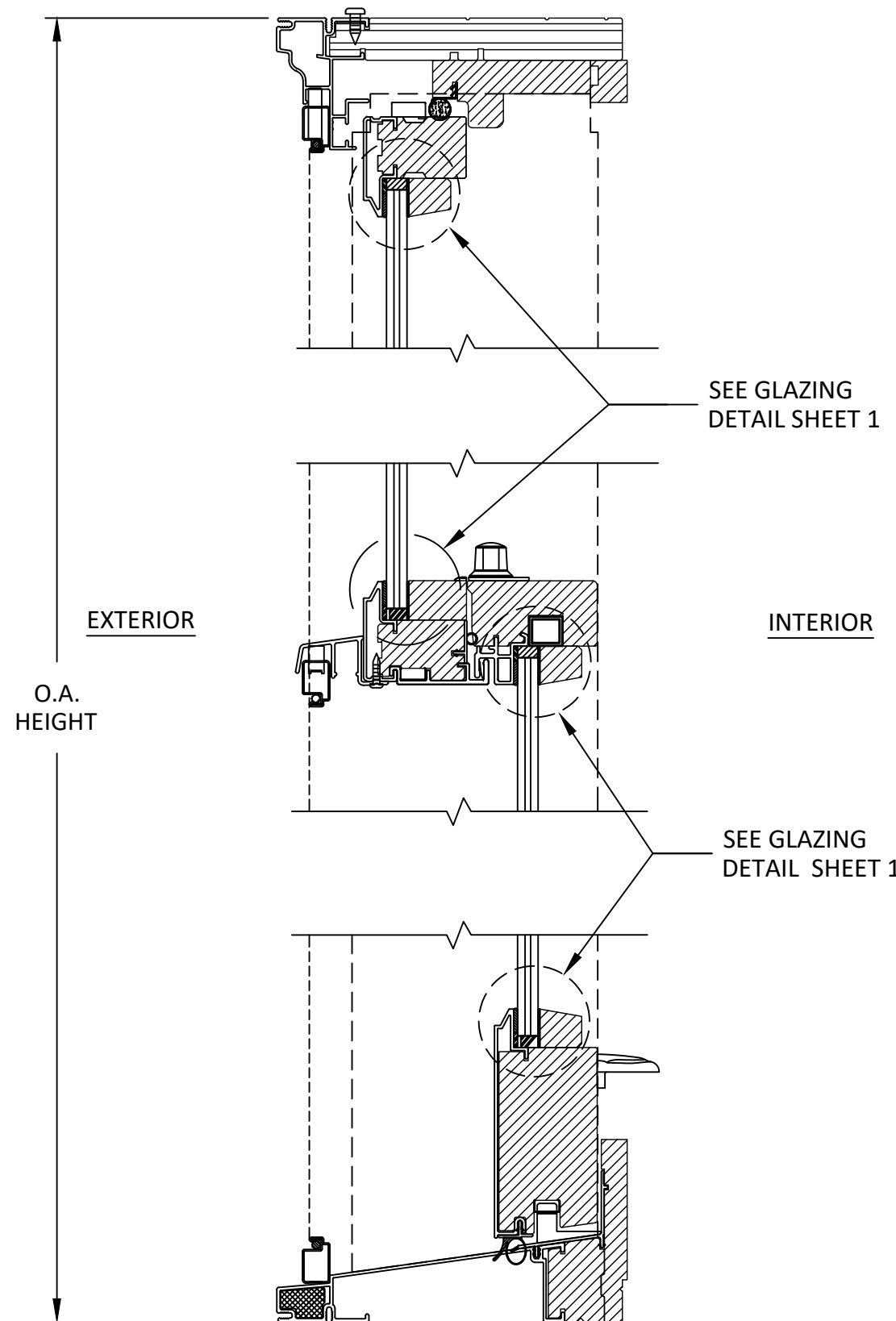


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 FLORIDA P.E. No. 73778
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 398 E. DANIA BEACH BLVD. # 338
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 FBPE CERT. OF AUTHORIZATION No. 29578

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| FL #: | FL24229 |
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| DWG. BY: | AG |
| CHK. BY: | HFN |
| SCALE: | NTS |
| DWG. #: | AWD202 |

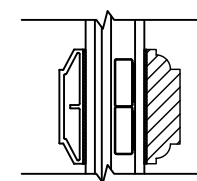
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OF 6

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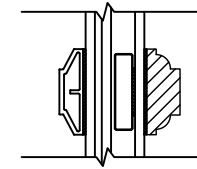


A
4 **VERTICAL SECTION**
SIDE VIEW-VERTICAL

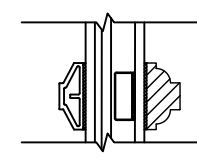
1 1/2" MDL



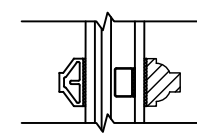
1 1/8" MDL



7/8" MDL



5/8" MDL




OPTIONAL MUNTIN BAR ATTACHEMENT TO GLASS



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PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES DOUBLE HUNG FULL FRAME WINDOW (HVHZ)/(IMPACT) VERTICAL SECTIONS

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

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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL24229**

DATE: **10.09.17**

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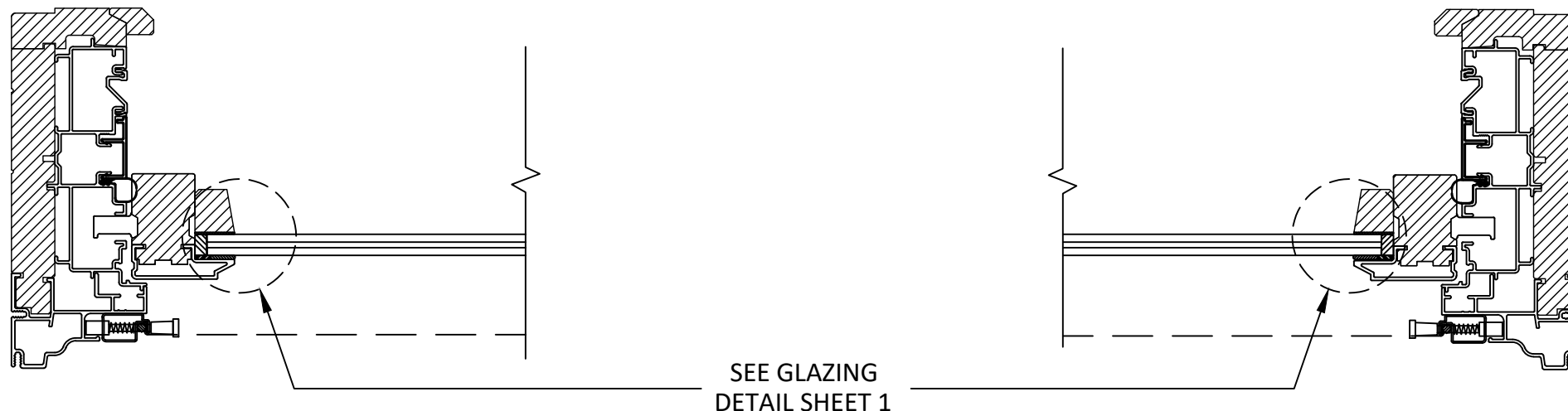
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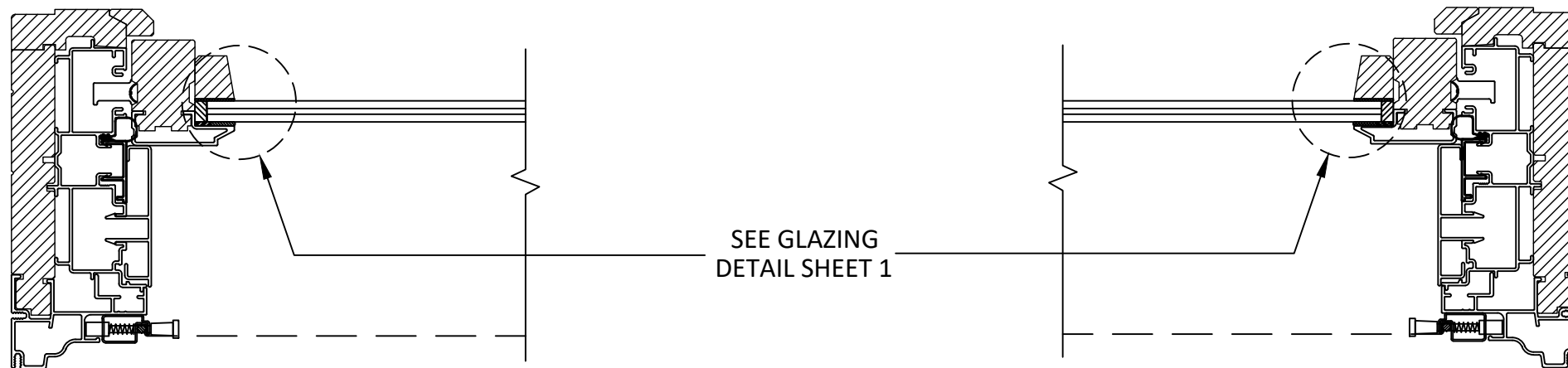
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A HORIZONTAL SECTION
5 TOP VIEW-HORIZONTAL



B HORIZONTAL SECTION
5 TOP VIEW-HORIZONTAL



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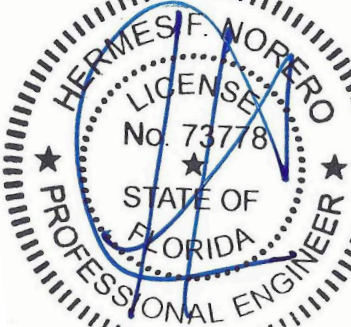
TITLE: E-SERIES DOUBLE HUNG FULL
 FRAME WINDOW
 (HVHZ)/(IMPACT)
 HORIZONTAL SECTIONS

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 DANIA BEACH, FL 33004
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FL #:
FL24229

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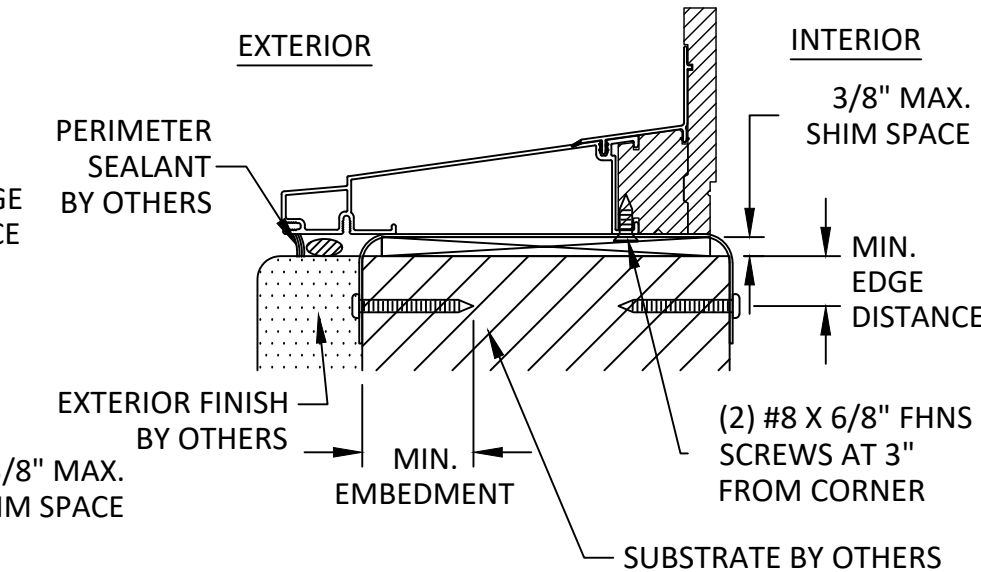
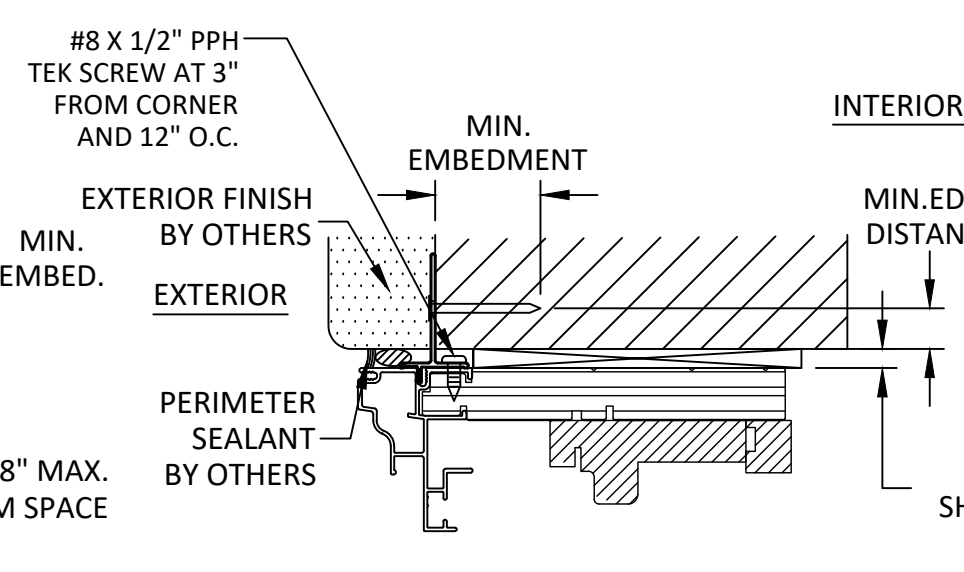
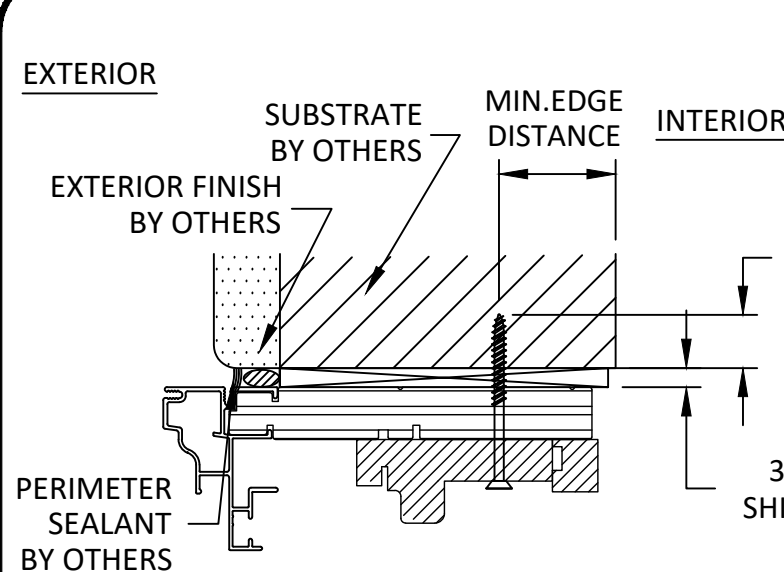
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SCALE: **NTS**

DWG. #: **AWD202**

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5

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A
6
ANCHOR DETAIL
THROUGH FRAME
(HEAD AND JAMBS ONLY)

B
6
ANCHOR DETAIL
THROUGH ALUMINUM NAILING FLANGE
(HEAD, JAMBS, AND SILL)

C
6
ANCHOR DETAIL
STRAP ANCHOR
(HEAD, JAMBS, AND SILL)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN. TWO (2) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR STRAP INSTALLATION.
- 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 ±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 | ANCHOR QTY PER LOCATION | SUBSTRATE | ANCHOR TYPE | EMBEDMENT (IN.) | EDGE DISTANCE (IN.) | MAX. HEAD/SILL O.C. DISTANCE (IN.) | MAX. JAMB O.C. DISTANCE (IN.) | MAX. CORNER DISTANCE (IN.) |
| STRAP | 2 | WOOD : MIN. SG=0.55 | #8 WOOD ANCHOR | 1.5 | 0.75 | 14" | 20" | 6" |
| | 2 | METAL : 18 GAUGE STEEL, MIN. F _y =35KSI | #10 TEK SCREW | 3 THREADS MIN. PENETRATION | 0.5" | | | |
| THROUGH ALUMINUM NAILING FLANGE | 1 | WOOD : MIN. SG=0.55 | #8 WOOD ANCHOR | 1.5 | 0.75 | 12" | 12" | 3" |
| | 1 | METAL : 18 GAUGE STEEL, MIN. F _y =35KSI | #8 TEK SCREW | 3 THREADS MIN. PENETRATION | 0.5" | | | |
| THRU FRAME (HEAD & SIDES ONLY) | 1 | WOOD : MIN. SG=0.55 | #10 WOOD ANCHOR | 1.50 | 0.75 | 14" | 13" | 6" |
| | 1 | METAL : 18 GAUGE STEEL, MIN. F _y =35KSI | #10 TEK SCREW | 3 THREADS MIN. PENETRATION | 0.5 | | | |
| | 1 | CONCRETE : f' _c =3000PSI | 1/4" ITW TAPCON | 1 | 2.25 | | | |
| | 1 | CMU : f' _c =2000PSI | 1/4" ITW TAPCON | 1 | 2.0 | | | |

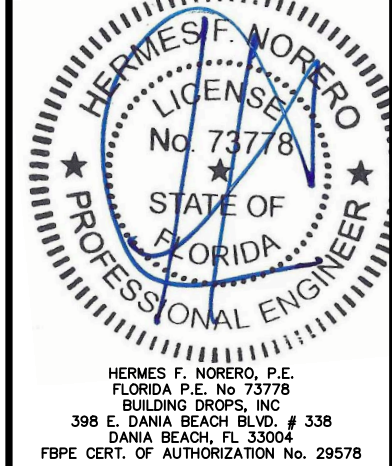


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PH: (651) 264-5150 FX: (651) 264-5485

TITLE: E-SERIES DOUBLE HUNG FULL FRAME WINDOW (HVHZ)/(IMPACT) ANCHOR DETAILS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 395-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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| FORMAT UPDATE | LL | 8/16 |

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| CHK. BY: | HFN |
| SCALE: | NTS |
| DWG. #: | AWD202 |
| SHEET | 6 |