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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 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.
5. **INSTALLATION CLIP:** FOR INSTALLATION INTO 2X WOOD FRAMING USE TWO (2) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **SILL CLIP:** FOR INSTALLATION INTO 2X WOOD FRAMING OR WOOD SUB-FLOOR USE FOUR (4) #8 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
7. **REMODEL/REPLACEMENT SILL CLIP:** FOR INSTALLATION INTO 2X WOOD FRAMING USE ONE (1) #8 WOOD SCREW PER LOCATION THROUGH CONTINUOUS REMODEL/REPLACEMENT SILL CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
8. **THROUGH FRAME:** FOR INSTALLATION INTO 2X WOOD FRAMING USE ONE (1) #8 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **INSTALLATION CLIP:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE ONE (1) 3/16 INCH DIAMETER ITW TAPCON PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
10. **SILL CLIP:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE TWO (2) 3/16 INCH DIAMETER ITW TAPCONS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
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13. **INSTALLATION CLIP:** FOR INSTALLATION INTO METAL STUD USE TWO (2) #8 TEK SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
14. **THROUGH FRAME:** FOR INSTALLATION INTO METAL STUD USE ONE (1) #8 TEK SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
15. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
16. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
17. 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.

ANDERSEN CORPORATION

WOOD HINGED INSWING ENTRY DOOR

(NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES (CONTINUED)

18. 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.
19. 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.
E. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 49 MILS (18 GAUGE).

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INTERNATIONAL BUILDING CODE & INTERNATIONAL RESIDENTIAL CODE, EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

AAMA/WDMA/CSA 101/I.S.2/A440-11

AAMA 450-10
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.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: FINGER-JOINTED WOOD & LVL
7. IN ACCORDANCE WITH THE FBC, DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS PER CH 20.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAILS.

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HARDWARE	OVERALL MAX. SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
	WIDTH	HEIGHT		
STANDARD LATCH & DEADBOLT	74.75"	95"	+25 / -25 PSF	NON-IMPACT
3-POINT LOCK & DEADBOLT	86.75"	95"	+30 / -35 PSF	NON-IMPACT



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING ENTRY DOOR
(NON-HVHZ)(NON-IMPACT)
GENERAL & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

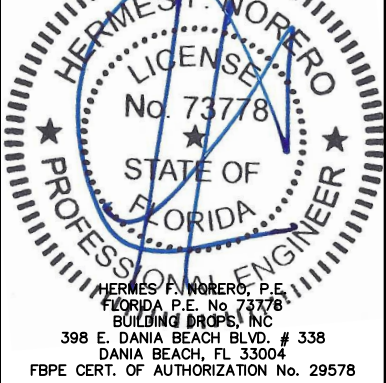
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DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.10.15 10:12:47 +02'00'



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 #:

FL24175

DATE:

08.15.17

DWG. BY:

HR

CHK. BY:

HFN

SCALE:

NTS

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AWD152

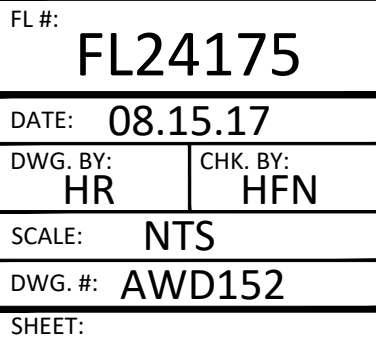
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1

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DANIA BEACH, FL 33004
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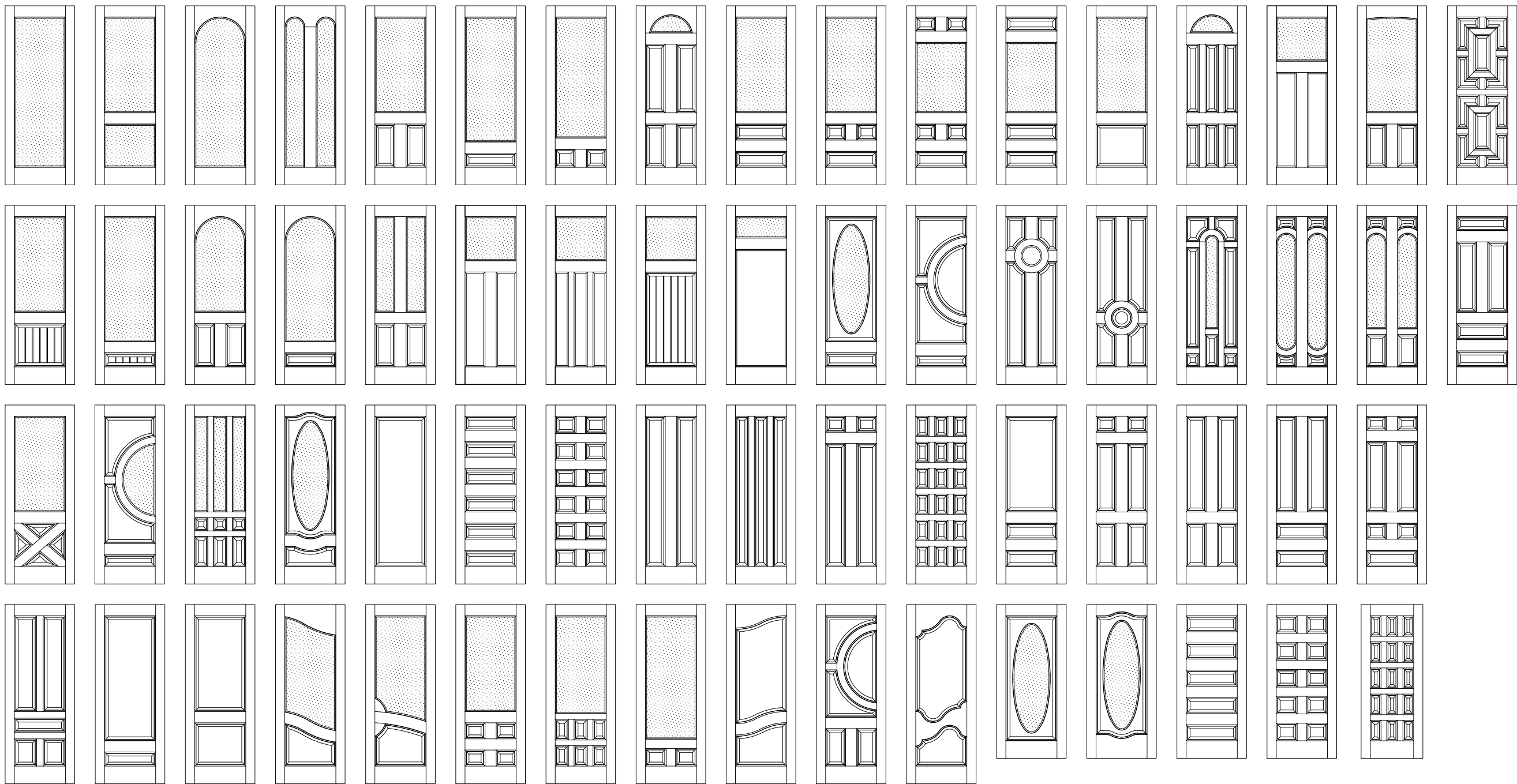


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92-13/16"
MAX.
PANEL
HEIGHT

42-3/4" MAX.
PANEL
WIDTH



QUALIFIED CONFIGURATIONS

NOTE:
SINGLE RECTANGULAR PANELS SHOWN ONLY. ALL PANEL TYPES SHOWN ARE QUALIFIED FOR ROUND/ARCH/SPRINGLINE/ELLIPTICAL/GOTHIC AND DOUBLE DOOR CONFIGURATIONS SUCH THAT MAX. O.A. PANEL DIMENSIONS ARE NOT EXCEEDED.

NOTE:
CUSTOM PANEL DESIGNS ARE AVAILABLE AND QUALIFIED IN BOTH OPAQUE OR GLASS LITE PANELS.



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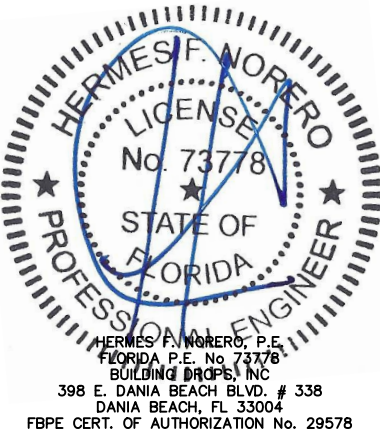
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
QUALIFIED CONFIGURATIONS

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CHK. BY: HFN

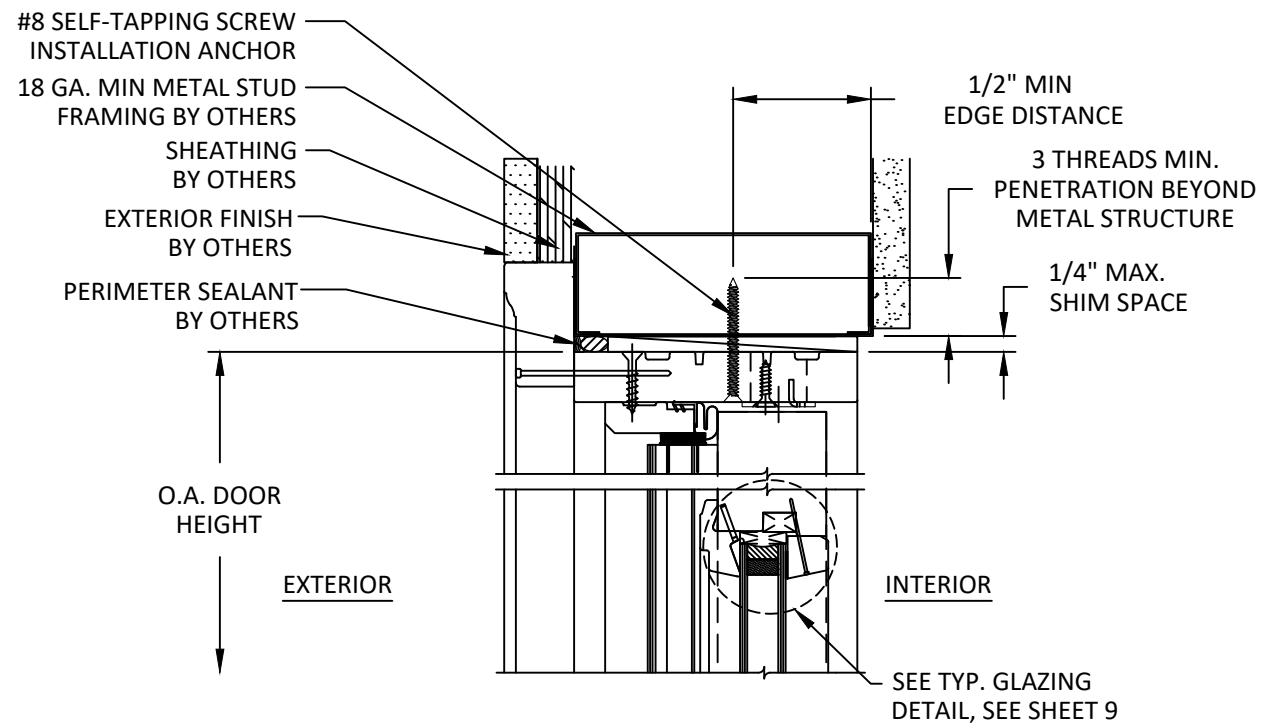
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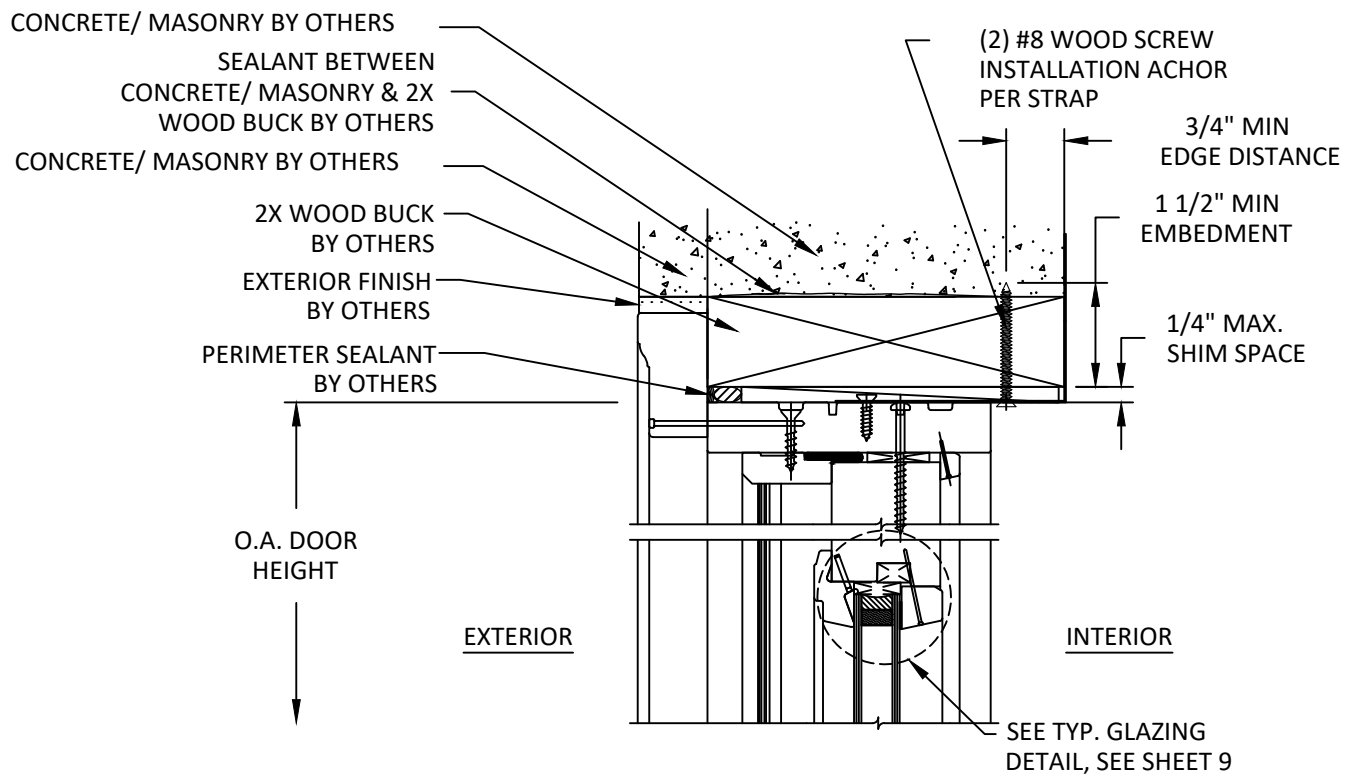
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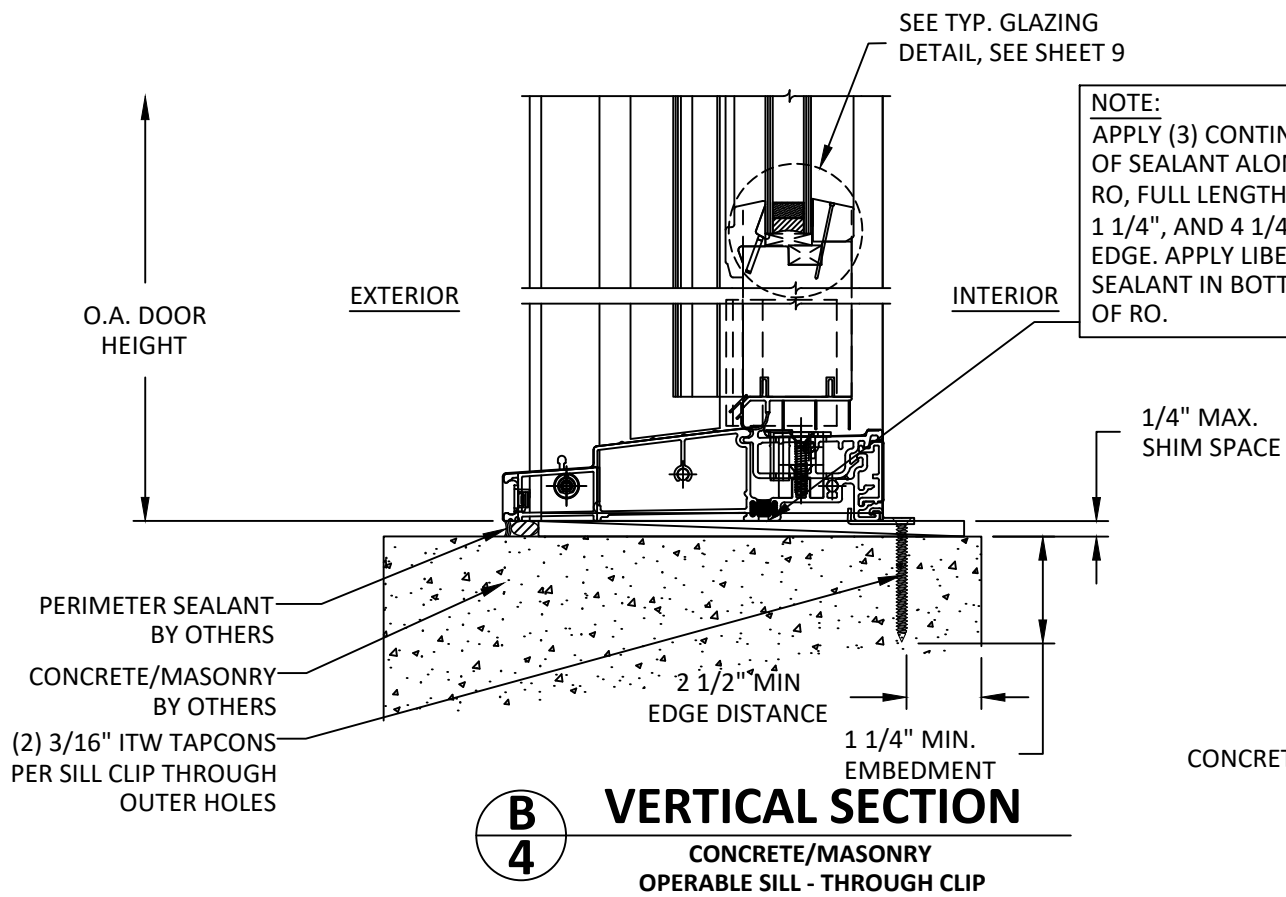


A
4 **VERTICAL SECTION**
METAL STUD FRAME
OPERABLE HEAD - THROUGH FRAME

NOTE:
SEE SHEET 6 FOR
PRODUCT OPTIONS

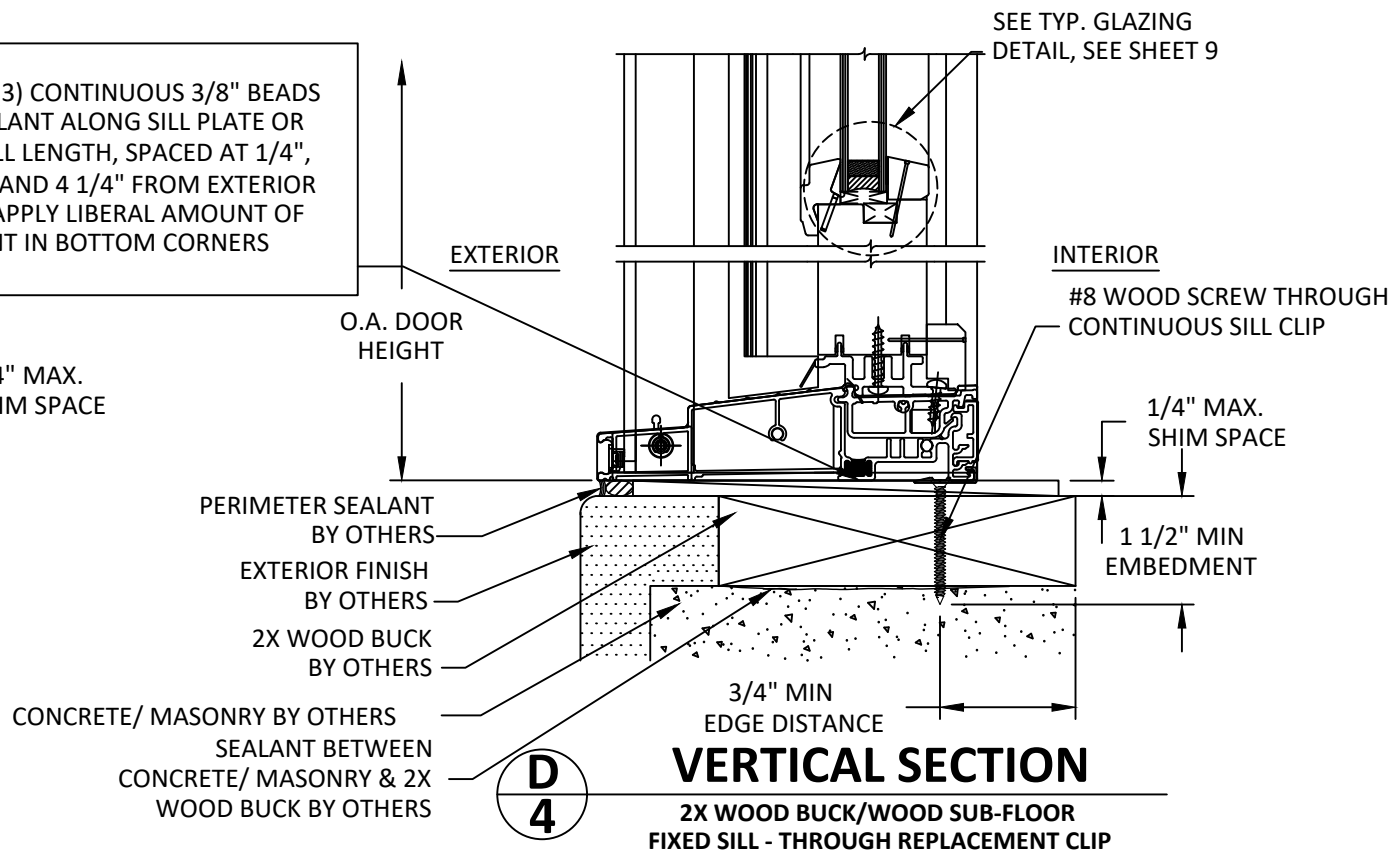


C
4 **VERTICAL SECTION**
2X WOOD BUCK
FIXED HEAD - THROUGH STRAP



B
4 **VERTICAL SECTION**
CONCRETE/MASONRY
OPERABLE SILL - THROUGH CLIP

NOTE:
APPLY (3) CONTINUOUS 3/8" BEADS
OF SEALANT ALONG SILL PLATE OR
RO, FULL LENGTH, SPACED AT 1/4",
1 1/4", AND 4 1/4" FROM EXTERIOR
EDGE. APPLY LIBERAL AMOUNT OF
SEALANT IN BOTTOM CORNERS
OF RO.



D
4 **VERTICAL SECTION**
2X WOOD BUCK/WOOD SUB-FLOOR
FIXED SILL - THROUGH REPLACEMENT CLIP



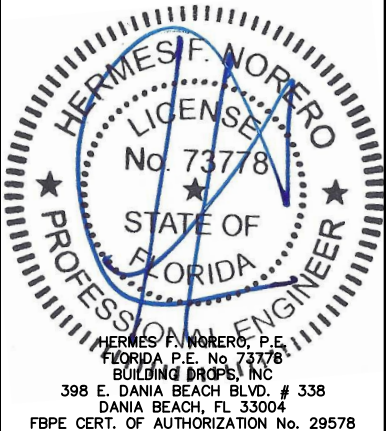
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TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
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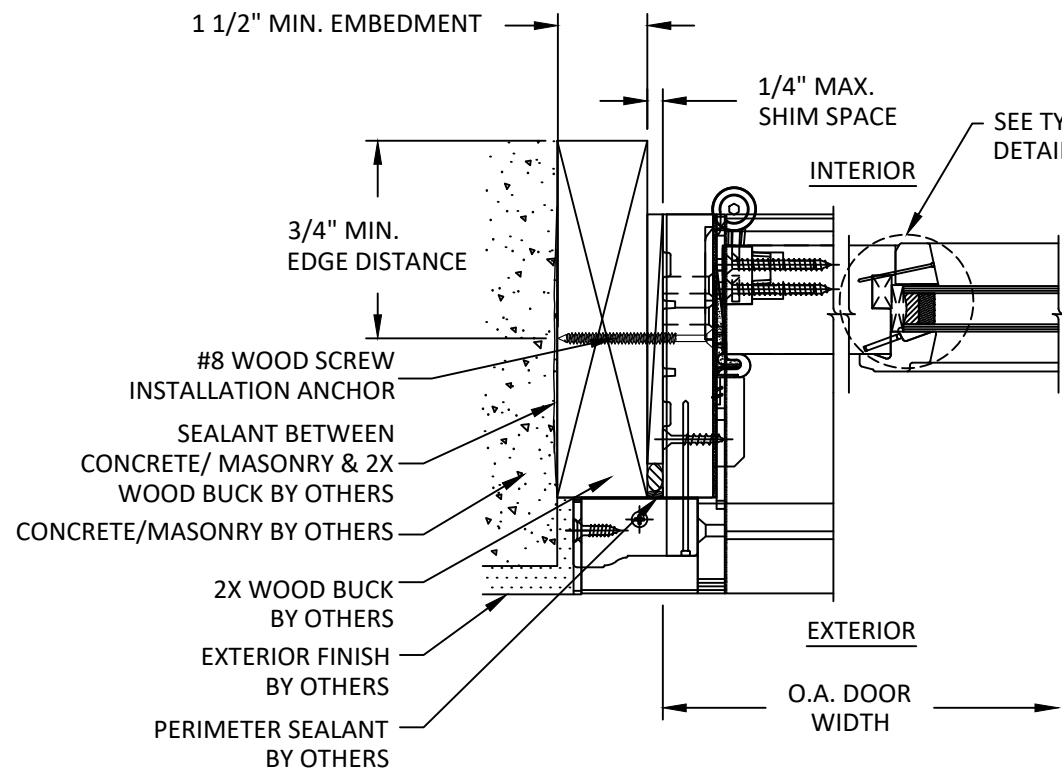
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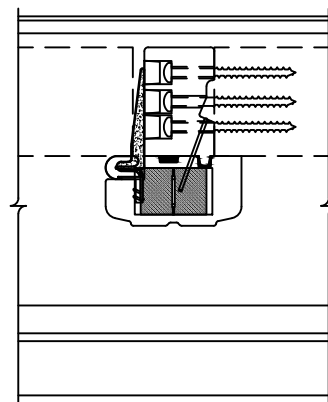


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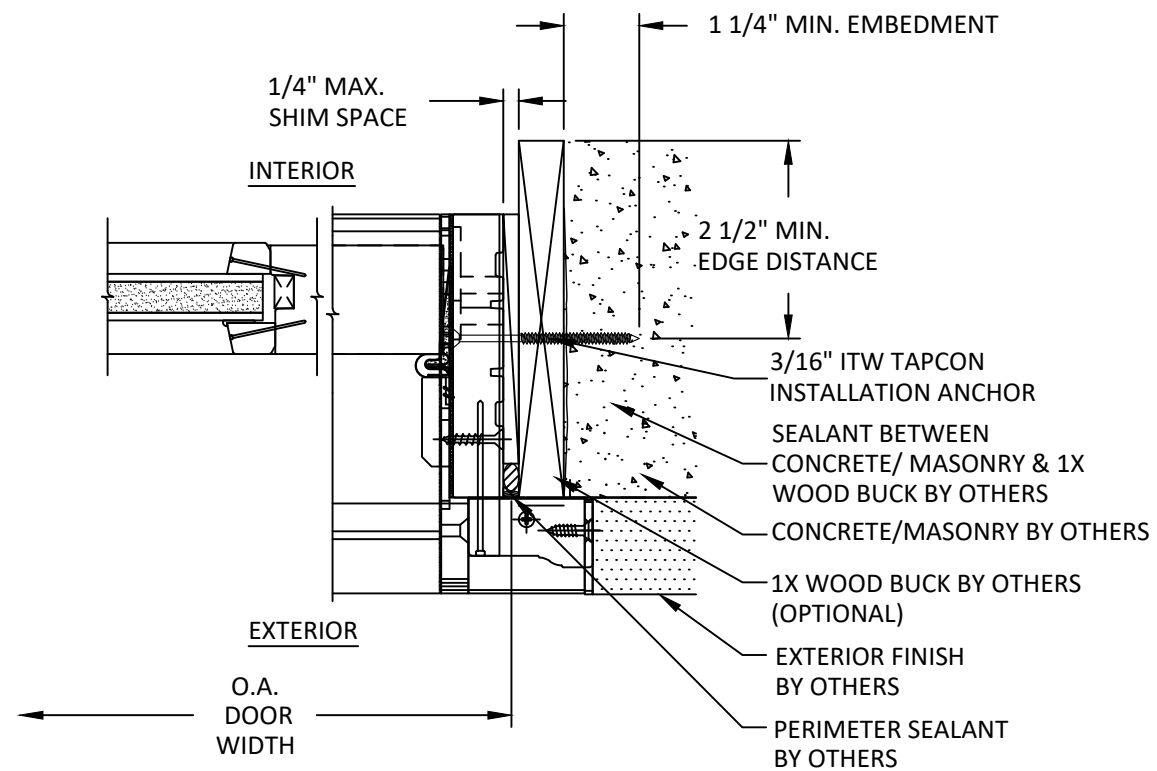
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E
5 **HORIZONTAL SECTION**
2X WOOD BUCK
OPERABLE HINGE JAMB - THROUGH FRAME

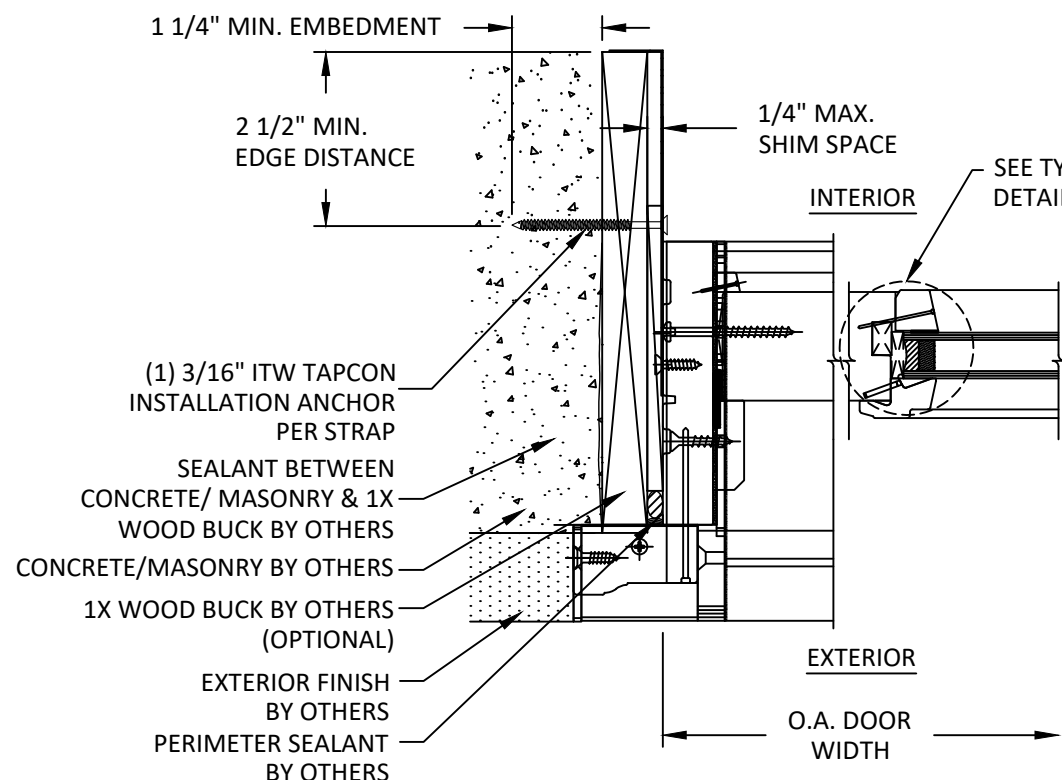


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OPERABLE ASTRAGAL

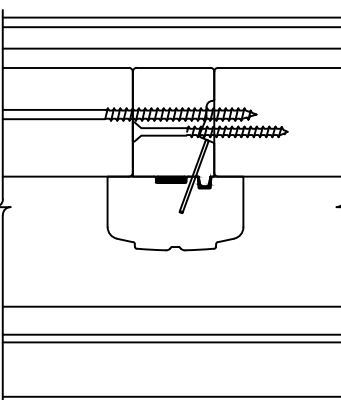


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5 **HORIZONTAL SECTION**
1X BUCK TO CONCRETE/MASONRY
OPERABLE LOCK JAMB - THROUGH FRAME

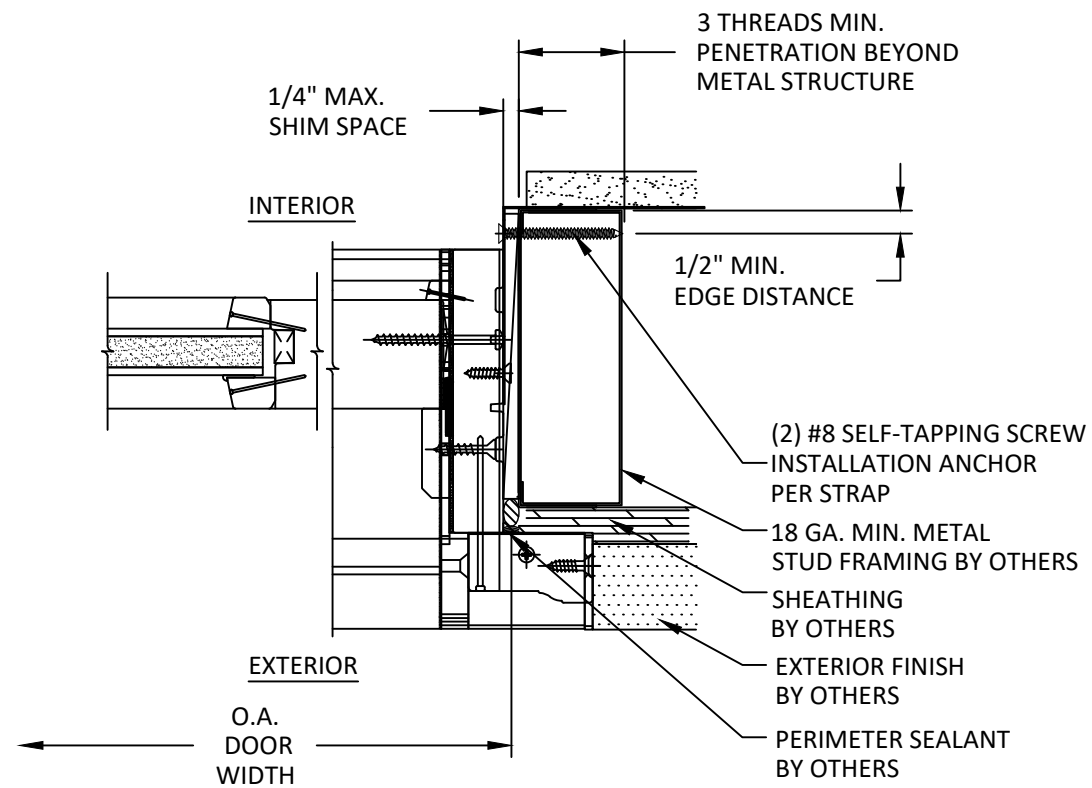
NOTE:
SEE SHEET 6 FOR
PRODUCT OPTIONS



F
5 **HORIZONTAL SECTION**
1X BUCK TO CONCRETE/MASONRY
FIXED JAMB - THROUGH STRAP



J
5 **HORIZONTAL SECTION**
FIXED ASTRAGAL



H
5 **HORIZONTAL SECTION**
METAL STUD FRAME
FIXED JAMB - THROUGH STRAP



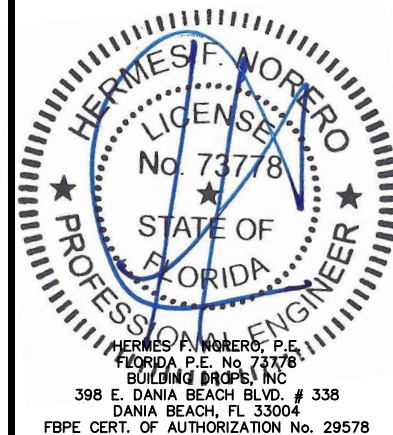
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SCALE: **NTS**

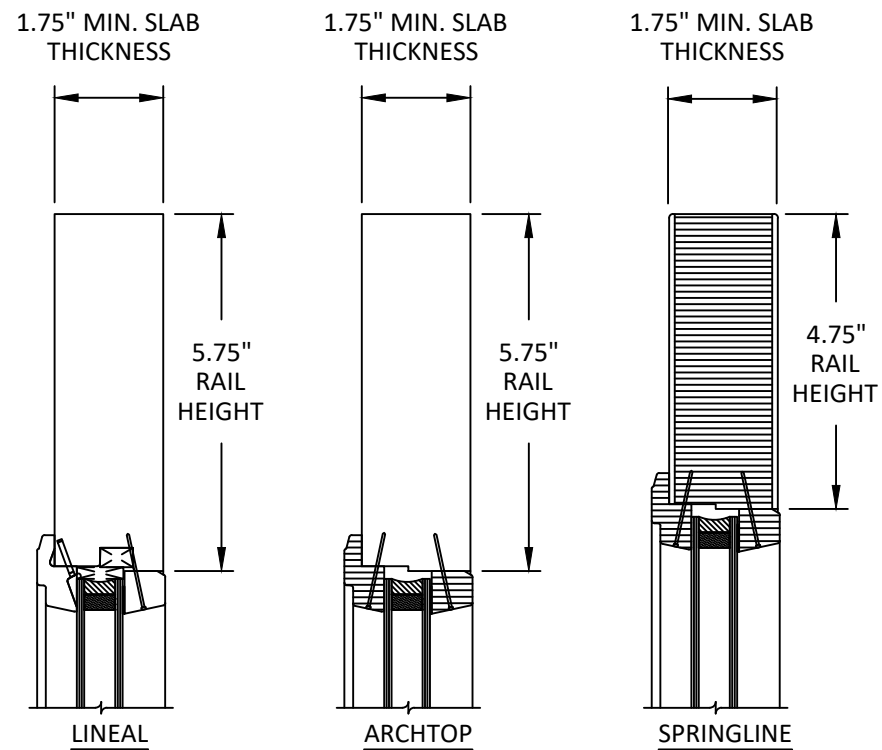
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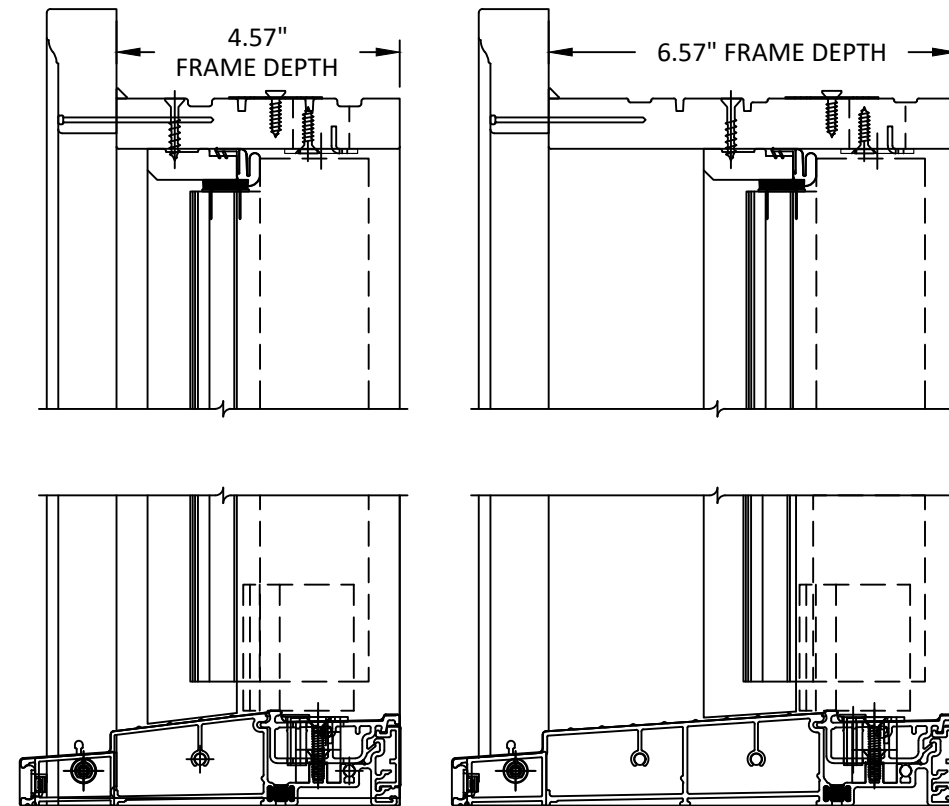
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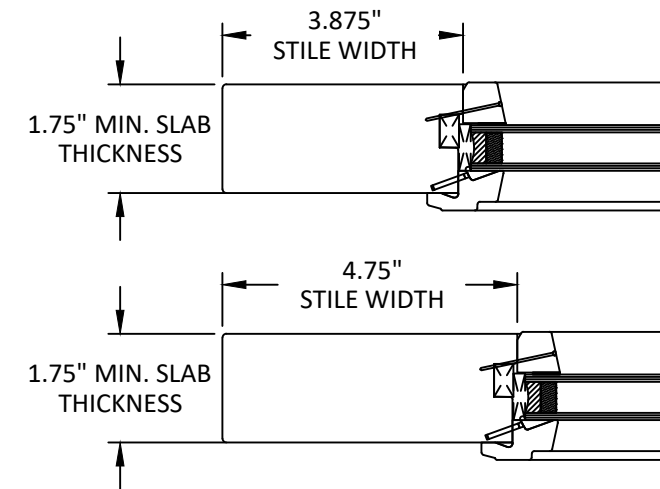
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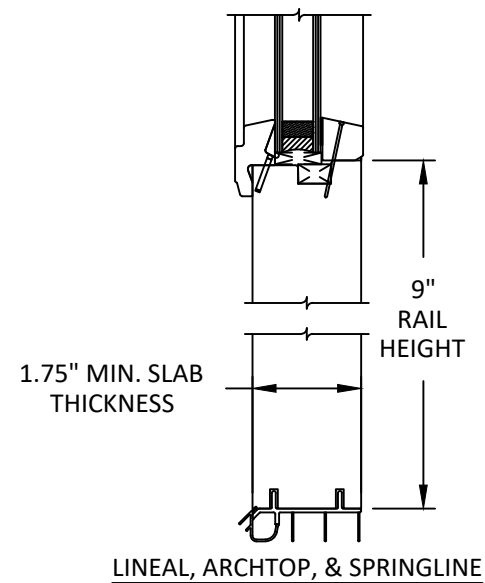
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6 **VERTICAL SECTION**
TOP RAIL OPTIONS



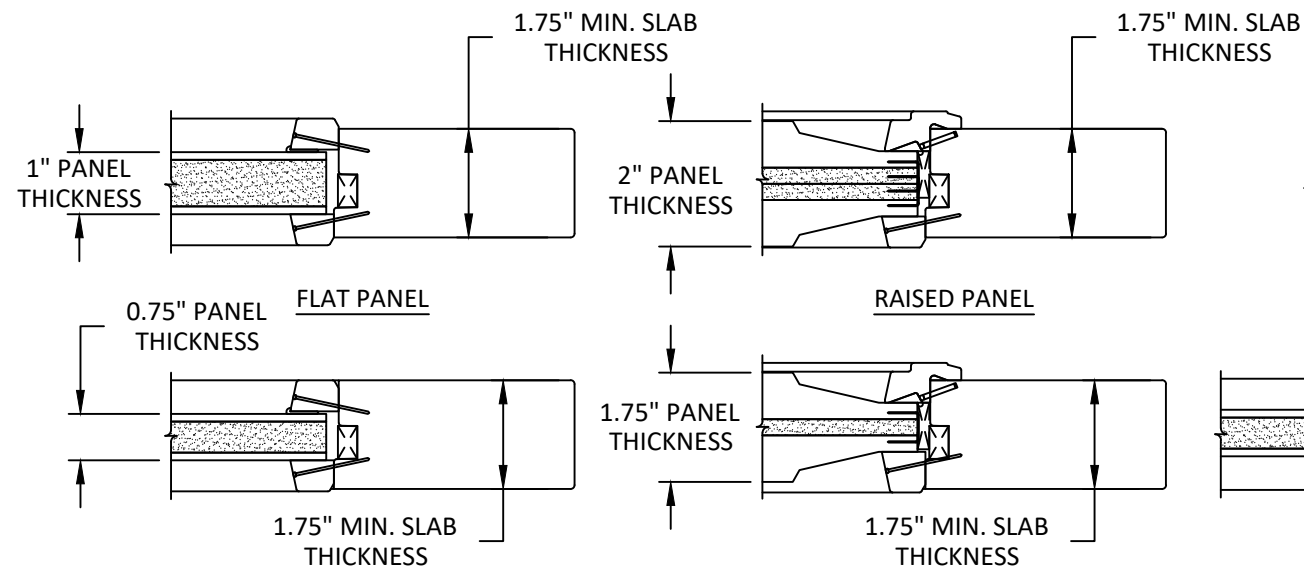
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6 **VERTICAL SECTION**
FRAME DEPTH OPTIONS



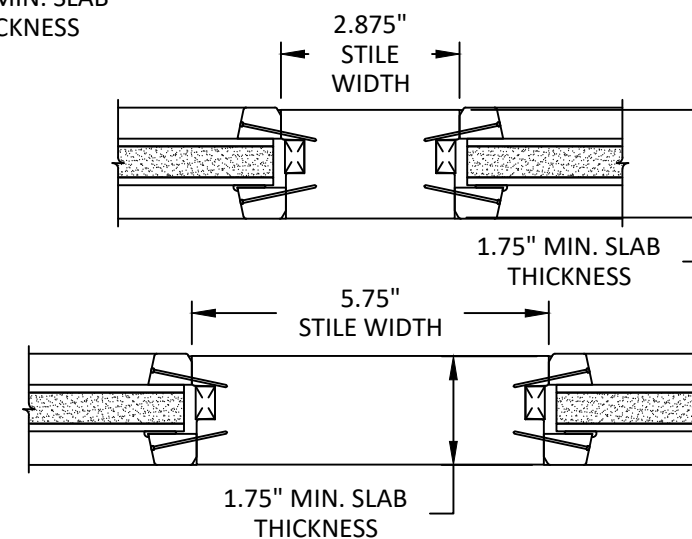
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6 **HORIZONTAL SECTION**
STILE OPTIONS



N
6 **VERTICAL SECTION**
BOTTOM RAIL OPTIONS



O
6 **HORIZONTAL SECTION**
PANEL OPTIONS



P
6 **HORIZONTAL SECTION**
INTERMEDIATE STILE/RAIL OPTIONS



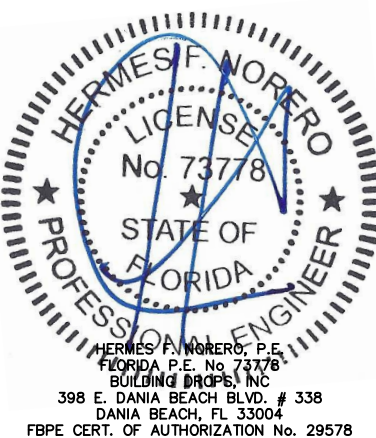
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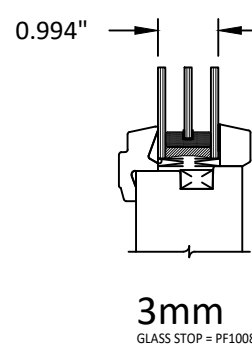
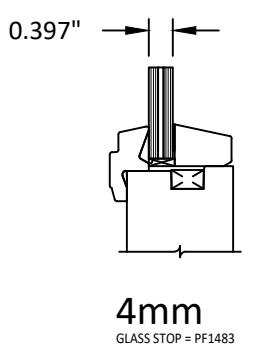
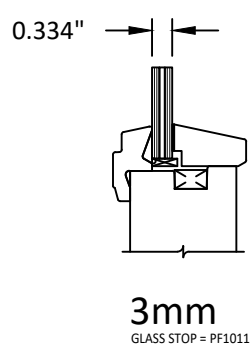
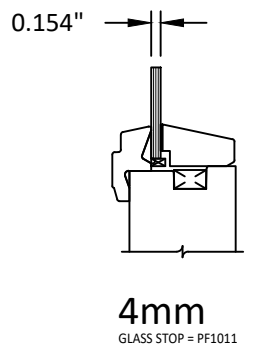
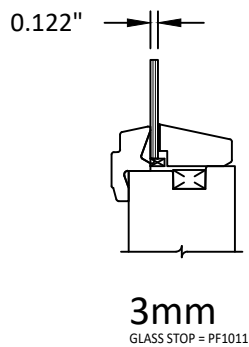
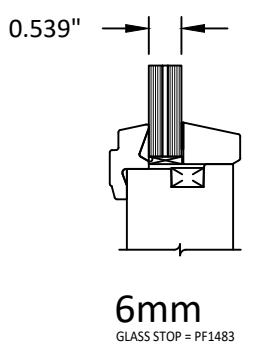
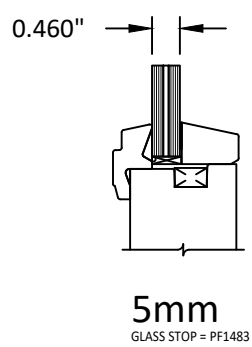
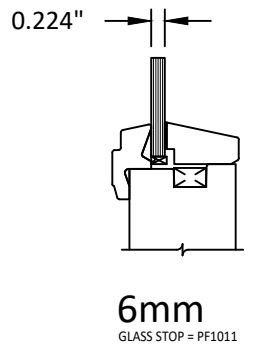
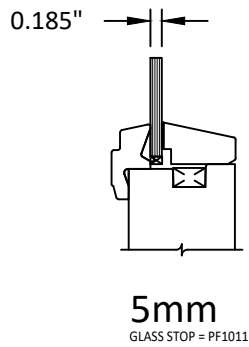
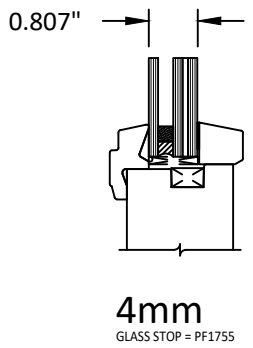
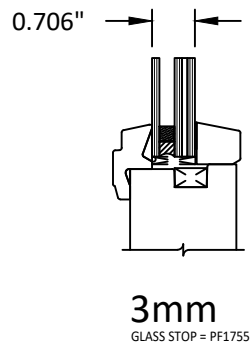
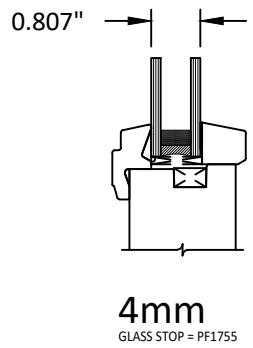
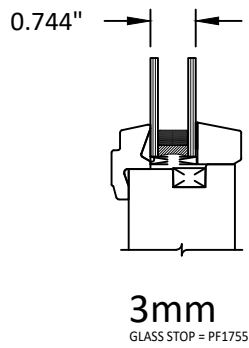
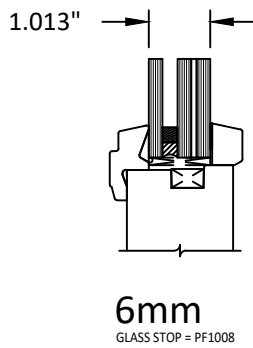
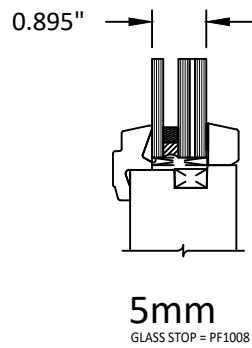
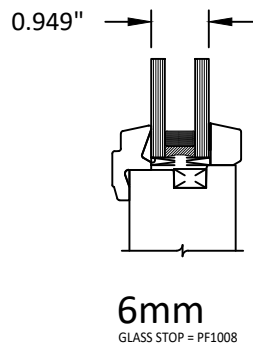
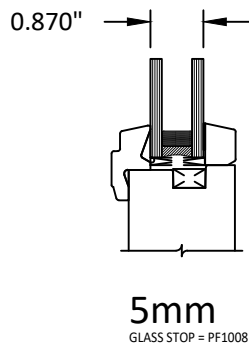
REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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FL #:	FL24175
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	6

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1-3/4" SLAB THICKNESS

STANDARD GLAZING

NON-COASTAL LAMINATED GLAZING

STANDARD DECORATIVE GLAZING



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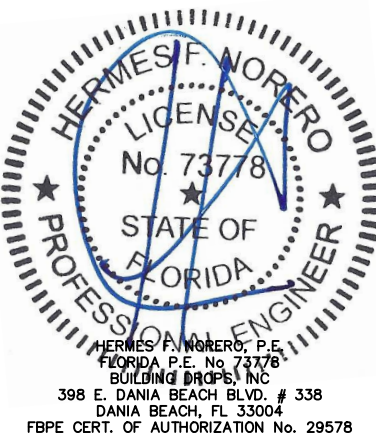
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
GLASS STOP OPTIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
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DATE: 08.15.17

DWG. BY: HR
CHK. BY: HFN

SCALE: NTS

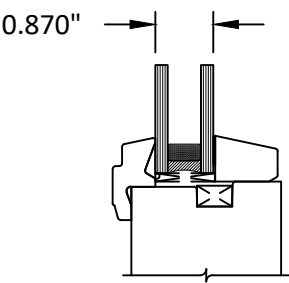
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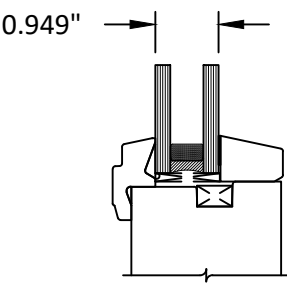
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OF 24

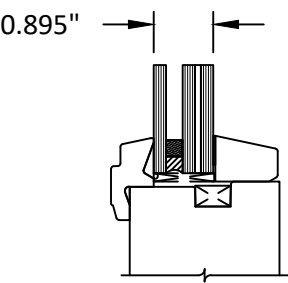
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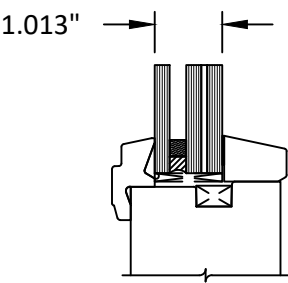
5mm
GLASS STOP = PF1483



6mm
GLASS STOP = PF1483

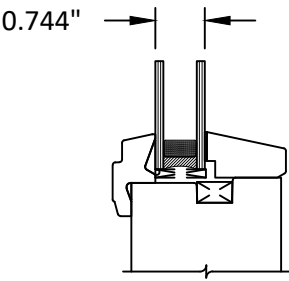


5mm
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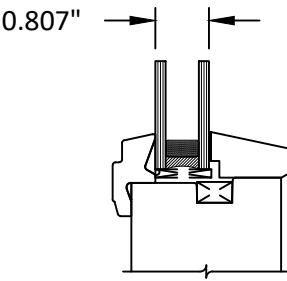


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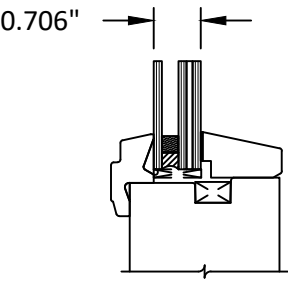
2-1/4" SLAB
THICKNESS



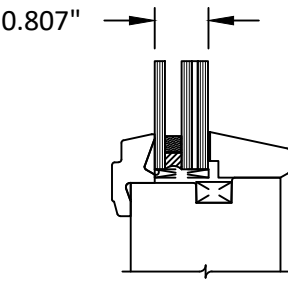
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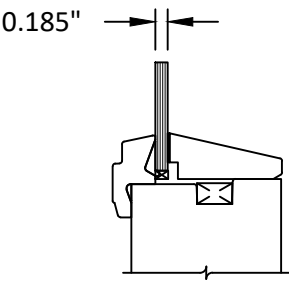
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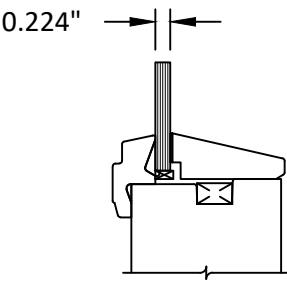
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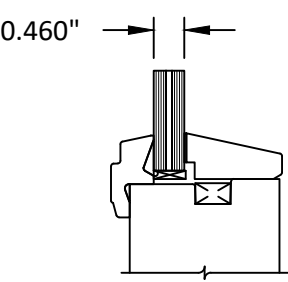
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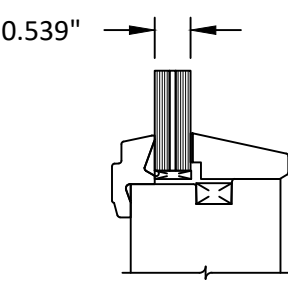
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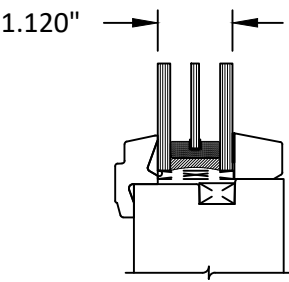
6mm
GLASS STOP = PF1758



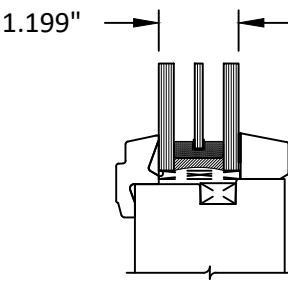
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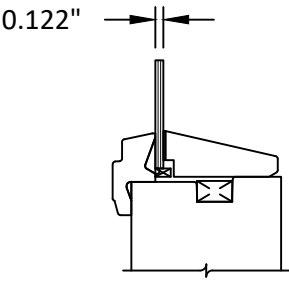
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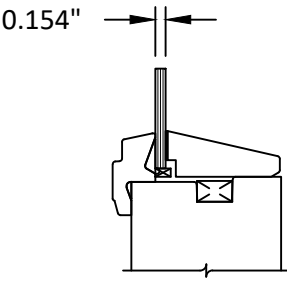
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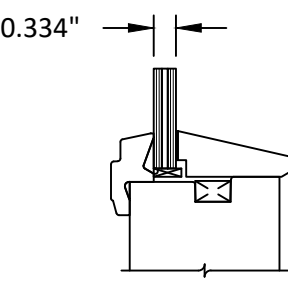
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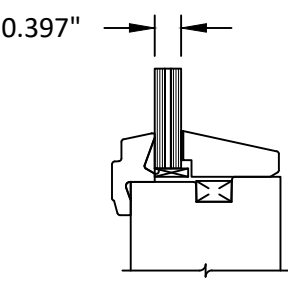
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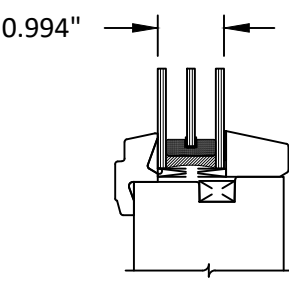
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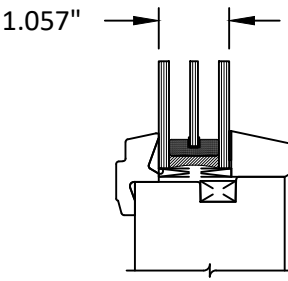
3mm
GLASS STOP = PF1758



4mm
GLASS STOP = PF1757



3mm
GLASS STOP = PF1483



4mm
GLASS STOP = PF1483

STANDARD GLAZING

NON-COASTAL LAMINATED GLAZING

STANDARD DECORATIVE GLAZING



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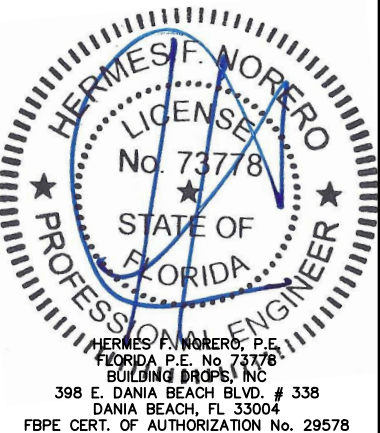
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
GLASS STOP OPTIONS
(CONTINUED)

PREPARED BY: BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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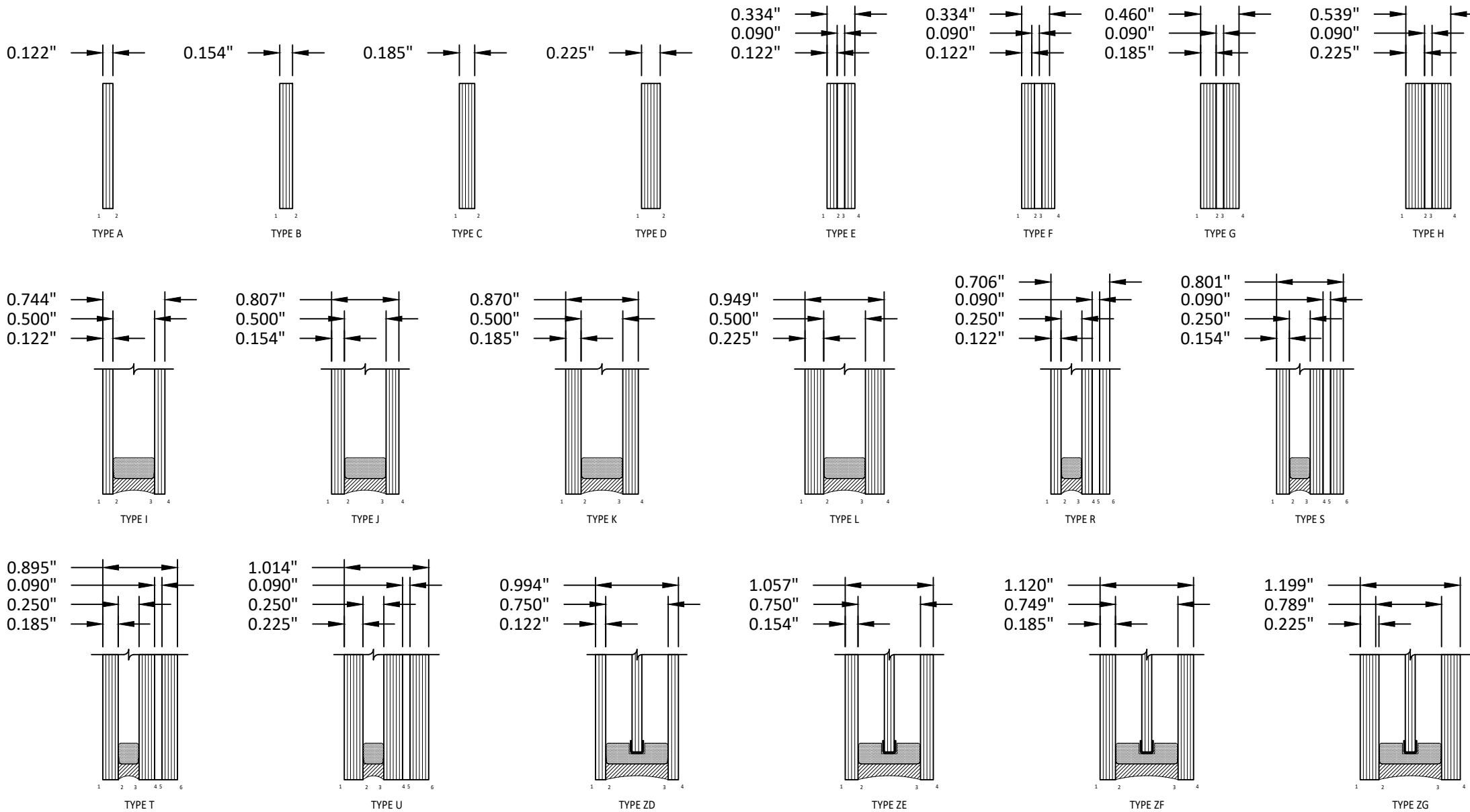


FL #:	FL24175
DATE:	08.15.17
DWG. BY:	CHK. BY:
HR	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	

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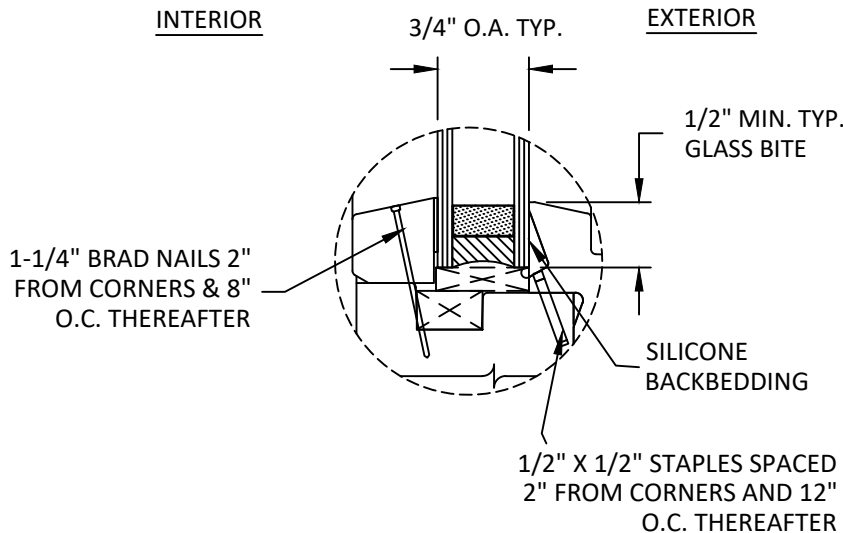
OF 24

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INTERIOR

EXTERIOR



TYP. GLAZING DETAIL

GLAZING NOTES:

- GLASS TYPE & THICKNESS SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN IN DESIGN PRESSURE TABLE ON SHEET 1.



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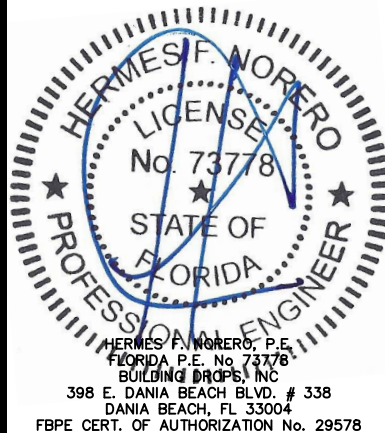
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
GLASS OPTIONS &
TYP. GLAZING DETAIL

PREPARED BY: BUILDING DROPS, INC.
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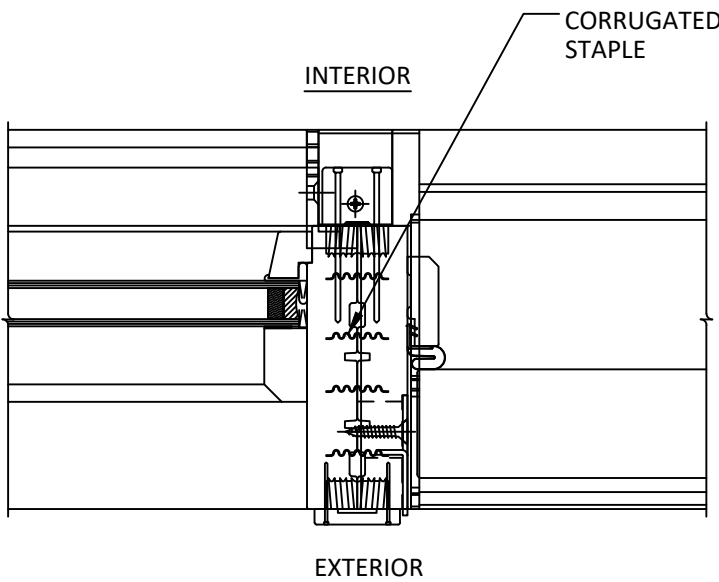
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DWG. #: **AWD152**

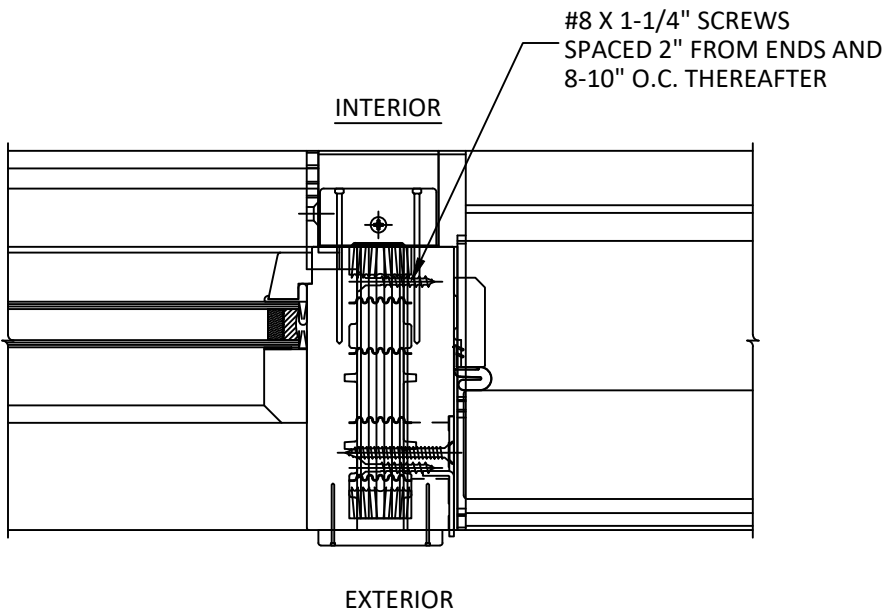
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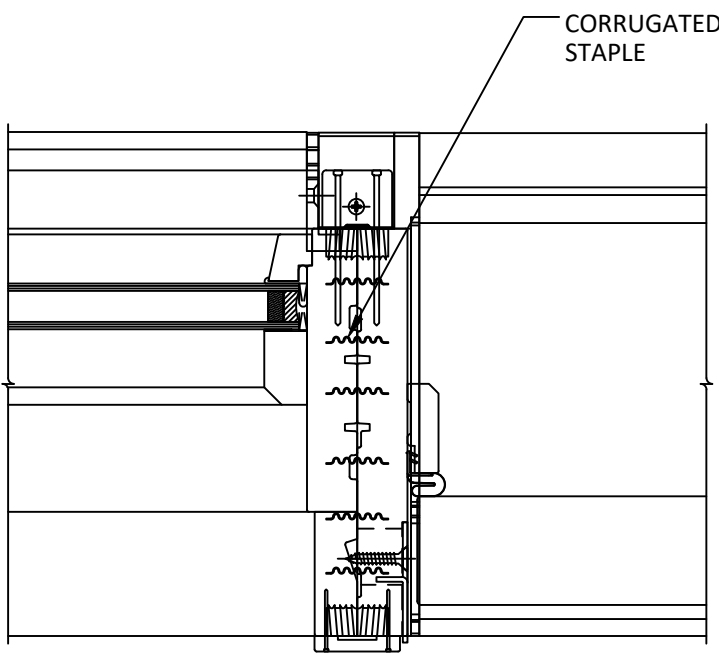


Q
10 **HORIZONTAL SECTION**
DIRECT GLAZED SIDELITE TO 4-9/16" DOOR
JAMB-TO-JAMB MULLION

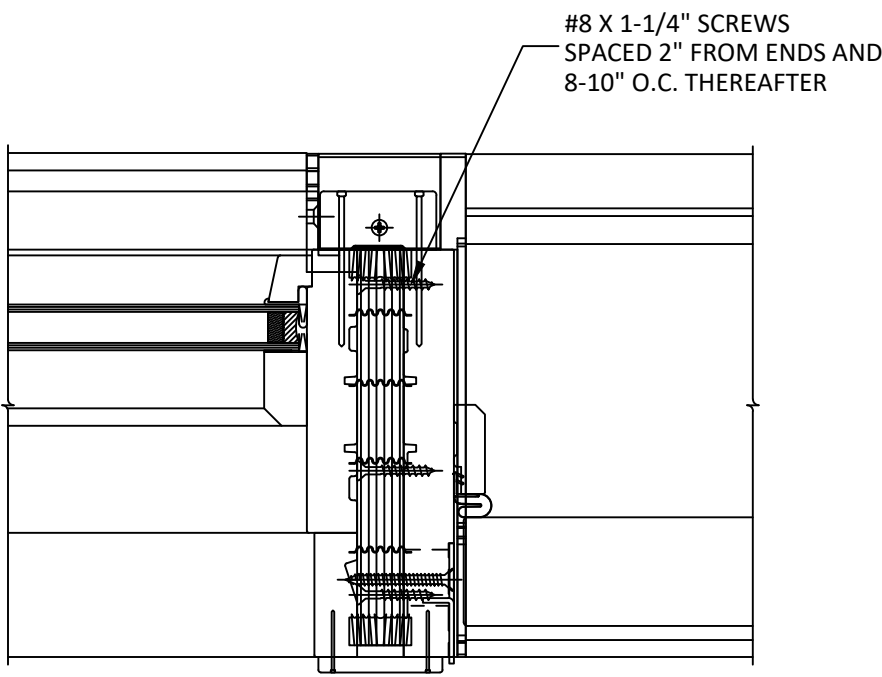


R
10 **HORIZONTAL SECTION**
DIRECT GLAZED SIDELITE TO 4-9/16" DOOR
3/4" LVL MULLION

NOTE:
3/4" LVL MULLIONS
ARE UNCLIPPED.



S
10 **HORIZONTAL SECTION**
DIRECT GLAZED SIDELITE TO 6-9/16" DOOR
JAMB-TO-JAMB MULLION



T
10 **HORIZONTAL SECTION**
DIRECT GLAZED SIDELITE TO 6-9/16" DOOR
3/4" LVL MULLION



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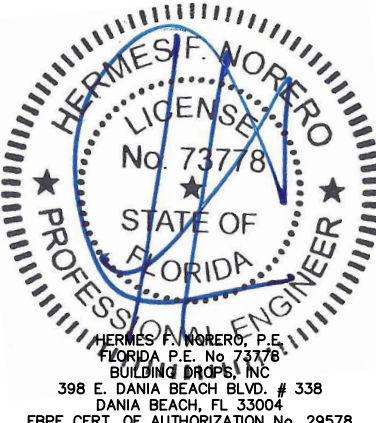
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
VERTICAL MULLION DETAILS

PREPARED BY:
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7TH FBC CODE CHANGE	SR	3.27.20

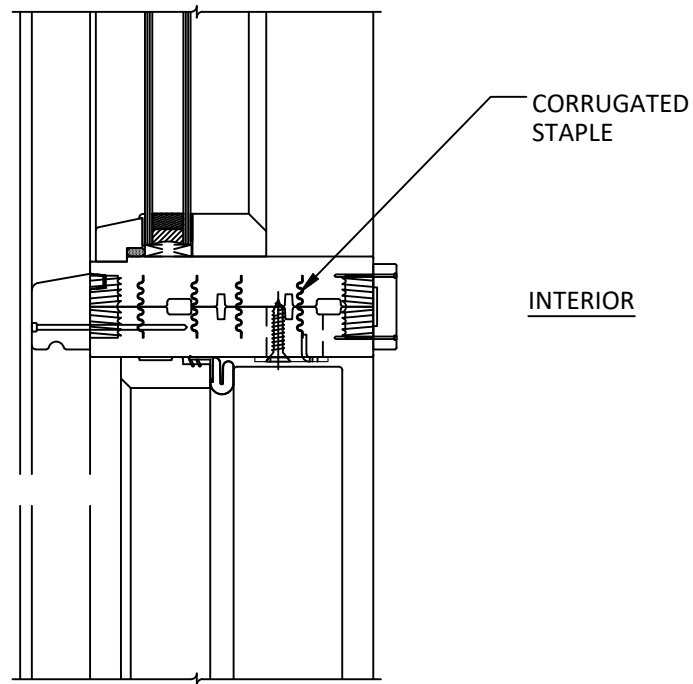
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SHEET:	10

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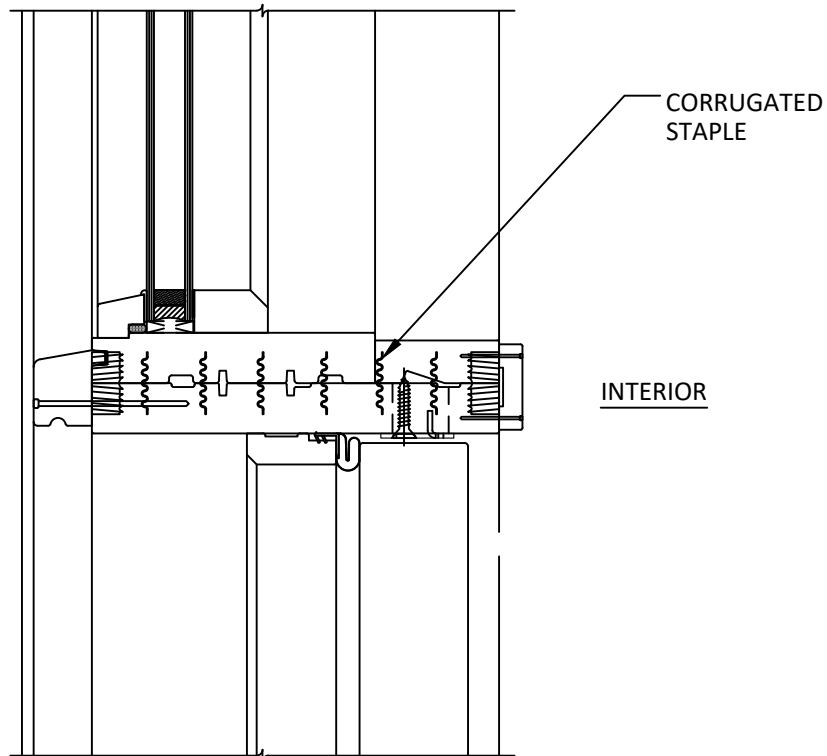
EXTERIOR



INTERIOR

U
11 **VERTICAL SECTION**
DIRECT GLAZED TRANSOM TO 4-9/16" DOOR
JAMB-TO-JAMB MULLION

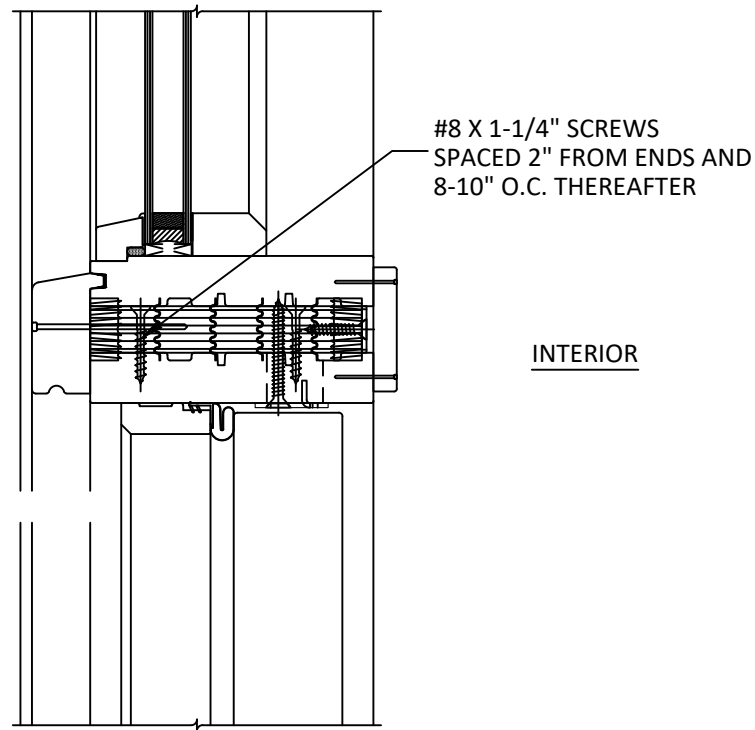
EXTERIOR



INTERIOR

W
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DIRECT GLAZED TRANSOM TO 6-9/16" DOOR
JAMB-TO-JAMB MULLION

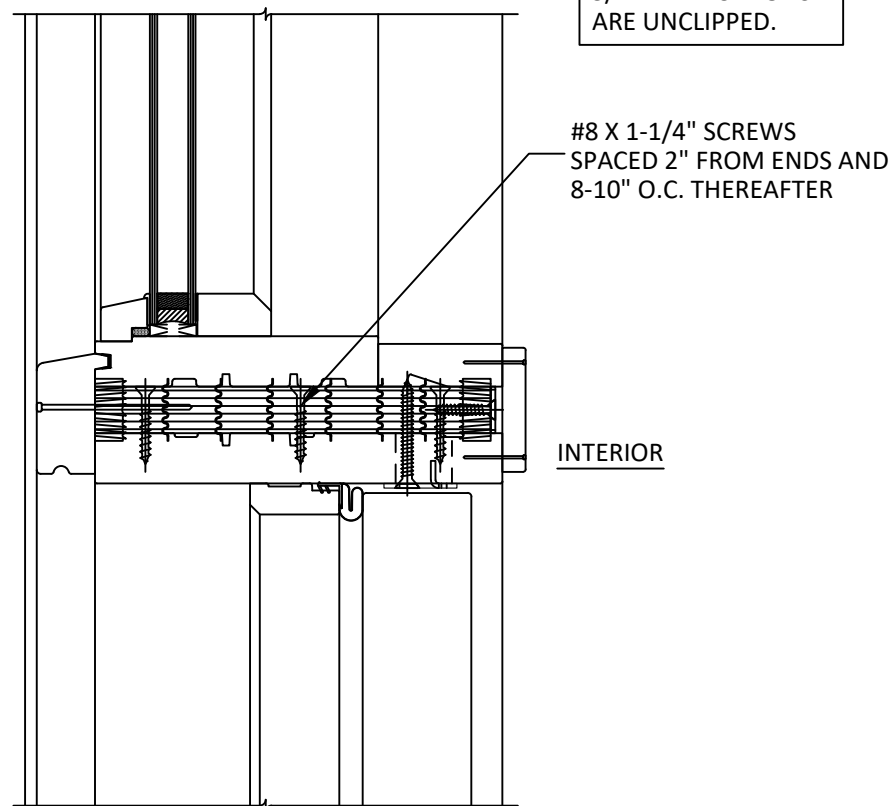
EXTERIOR



INTERIOR

V
11 **VERTICAL SECTION**
DIRECT GLAZED TRANSOM TO 4-9/16" DOOR
3/4" LVL MULLION

EXTERIOR



INTERIOR

X
11 **VERTICAL SECTION**
DIRECT GLAZED TRANSOM TO 6-9/16" DOOR
3/4" LVL MULLION

NOTE:
3/4" LVL MULLIONS
ARE UNCLIPPED.



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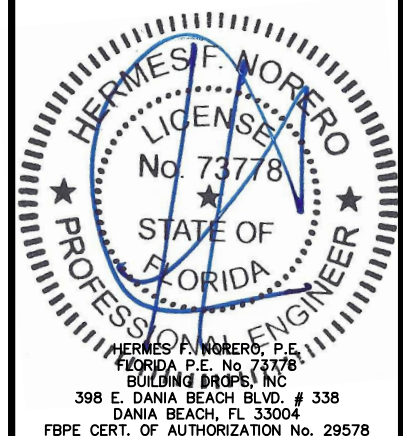
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
HORIZONTAL MULLION DETAILS

PREPARED BY:
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DWG. BY: **HR** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **AWD152**

SHEET:

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USE - 12" FLAT MULLING GUSSET KML PN-113573

BEND HEAD MULLING GUSSET
TO FIT RADIUS OF DOOR & SIDELIGHT/TRANSOM UNIT TO BE MULLED.

LINEAL SIDELIGHT or TRANSOM
HEAD or JAMB MEMBER

CURVED
PATIO DOOR HEAD

THESE FASTENERS ARE NOT
REQUIRED ON BACK TO BACK
MULLS

POSITION GUSSET PLATE IN THE GROOVES ON
THE JAMB - CENTERED OVER THE TWO FRAMES
AND ATTACH USING SPECIFIED SCREWS.

FASTEN GUSSET TO JAMBS WITH
#8 X 3/4" SCREWS IN 8 PLACES.

CURVED
SIDELIGHT HEAD

THESE FASTENERS ARE NOT
REQUIRED ON BACK TO BACK
MULLS

POSITION GUSSET PLATE IN THE GROOVES
ON THE JAMB - CENTERED OVER THE
TWO FRAMES AND ATTACH USING SPECIFIED
SCREWS.

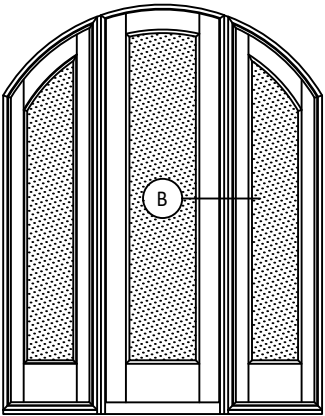
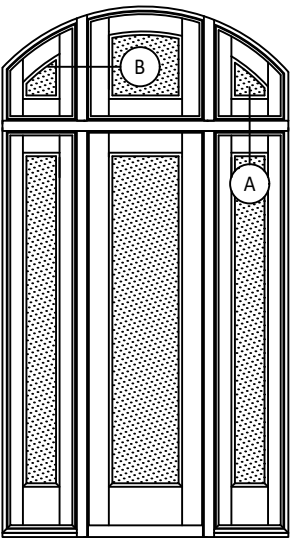
FASTEN GUSSET TO JAMBS WITH
#8 X 3/4" SCREWS IN 8 PLACES.

12" FLAT
MULLING GUSSET
KML PN-113573

CURVED HEAD JAMB GUSSET LOCATION
OVER A VERTICAL MULL - SECTION B

#8 X 3/4" F.H., P.D., S.S.
JAMB SCREWS (PN-105813)

FASTENERS



ELEVATION N.T.S.
(AS VIEWED FROM INTERIOR)

VERTICAL OR HORIZONTAL LINEAL HEAD or JAMB SECTION 'A'



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TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)

MULLING DETAILS

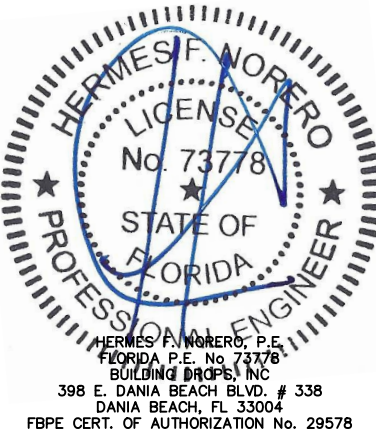
PREPARED BY:

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

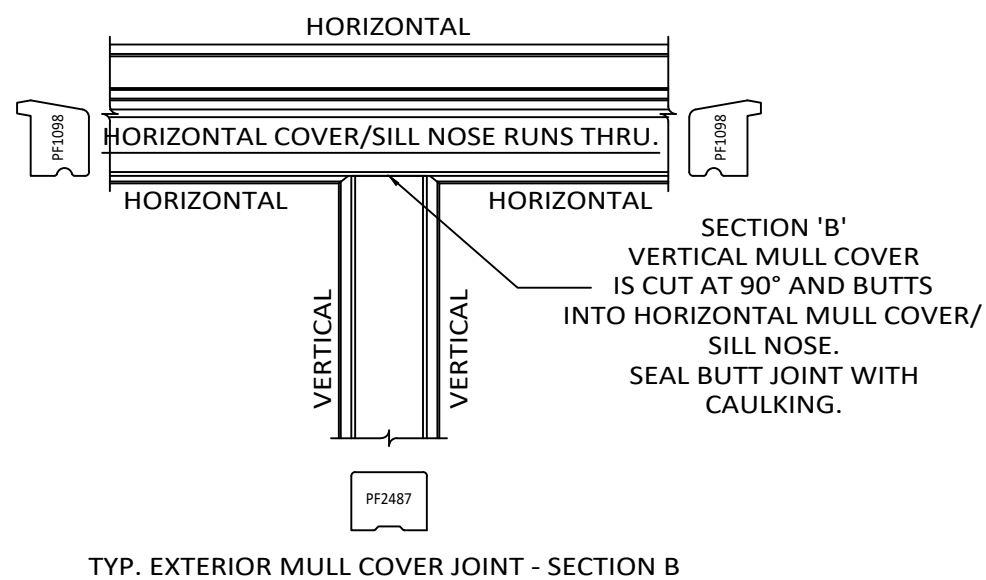


REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

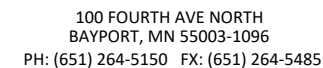
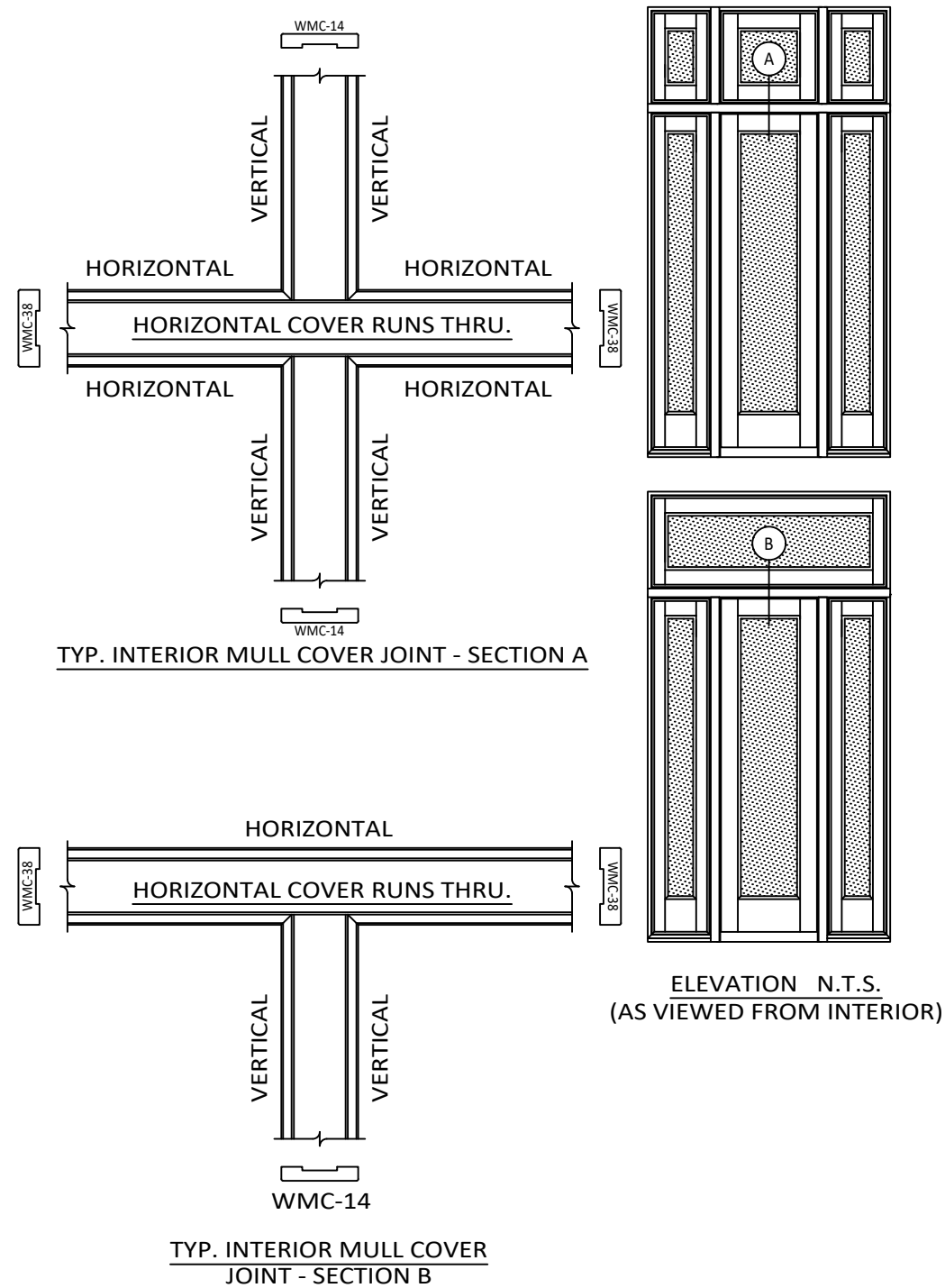
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FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED
ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC
DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:	FL24175
DATE:	08.15.17
DWG. BY:	CHK. BY:
HR	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	12



#8 X 1" F.H., S.Q. SMS SCREW (PN-1667)

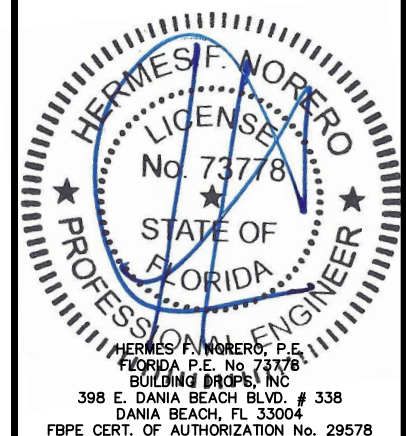


PREPARED BY:

 **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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OF 24

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ANDERSEN
WINDOWS & DOORS

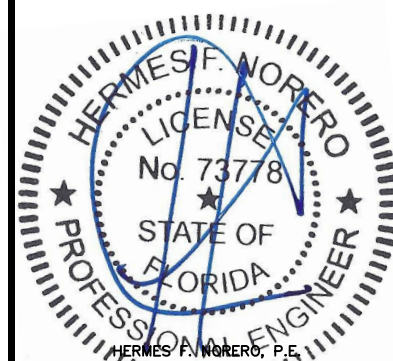
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING ENTRY DOOR (NON-HVHZ)/(NON-IMPACT) MULLING 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

REMARKS	BY	DATE
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6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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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 #: FL24175

DATE: 08.15.17

DWG. BY: HR CHK. BY: HFN

SCALE: NTS

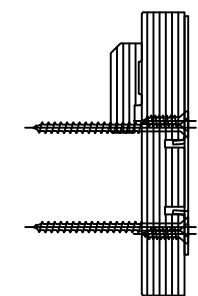
DWG. #: AWD152

SHEET: 14 OF 24

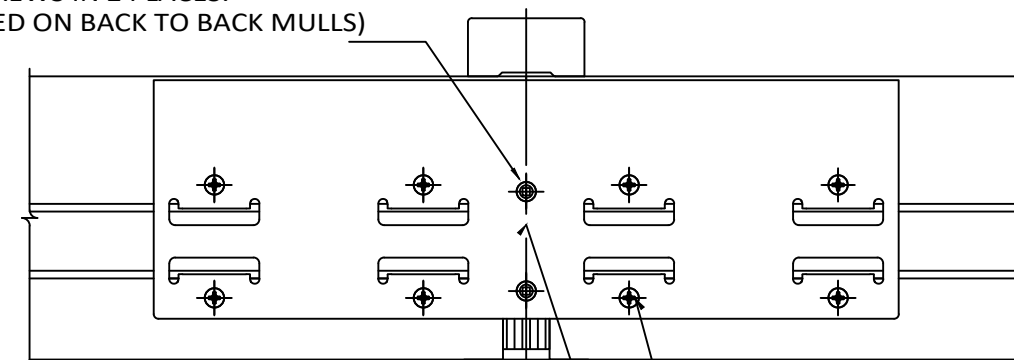


BEND HEAD MULLING GUSSET
TO FIT RADIUS OF DOOR & SIDELIGHT/TRANSOM UNIT TO BE MULLED.

FASTEN GUSSET TO LVL MULLION
POST/STRIP WITH #8 X 2-1/2"
SCREWS IN 2 PLACES.
(NOT REQUIRED ON BACK TO BACK MULLS)

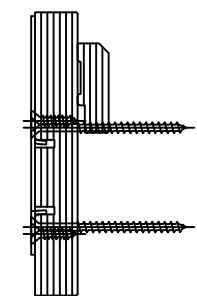


CURVED
PATIO DOOR HEAD



POSITION GUSSET PLATE IN THE GROOVES
ON THE JAMB - CENTERED OVER THE
LVL MULLION AND ATTACH USING SPECIFIED
SCREWS.

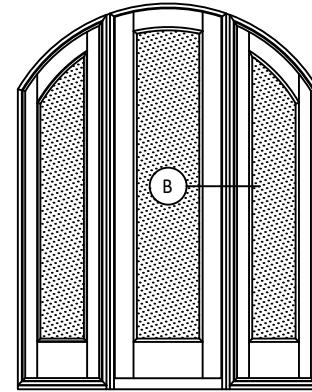
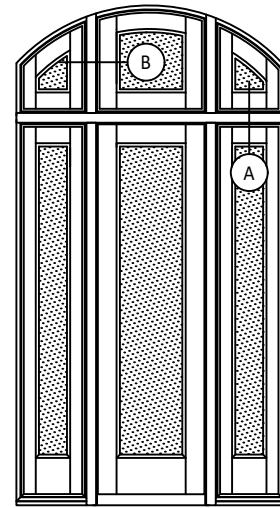
FASTEN GUSSET TO JAMBS WITH
#8 X 3/4" SCREWS IN 8 PLACES.



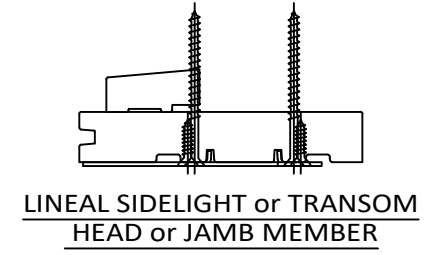
CURVED
SIDELIGHT HEAD

CURVED HEAD JAMB GUSSET LOCATION
OVER A VERTICAL MULL - SECTION B

- #8 X 3/4" F.H., P.D., S.S.
JAMB SCREWS (PN-105813)
- #8 X 2-1/2" F.H., S.Q.,
MULLION POST SCREWS (PN-257)
- FASTENERS



ELEVATION N.T.S.
(AS VIEWED FROM INTERIOR)



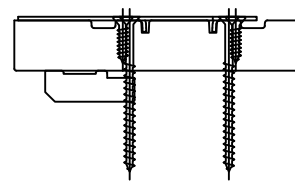
LINEAL SIDELIGHT or TRANSOM
HEAD or JAMB MEMBER

FASTEN GUSSET TO LVL
MULLION POST/STRIP
WITH #8 X 2-1/2"
SCREWS IN 2 PLACES

POSITION GUSSET PLATE IN THE GROOVES
ON THE JAMB - CENTERED OVER THE
LVL MULLION AND ATTACH USING SPECIFIED
SCREWS.

FASTEN GUSSET TO JAMBS WITH
#8 X 3/4" SCREWS IN 8 PLACES.

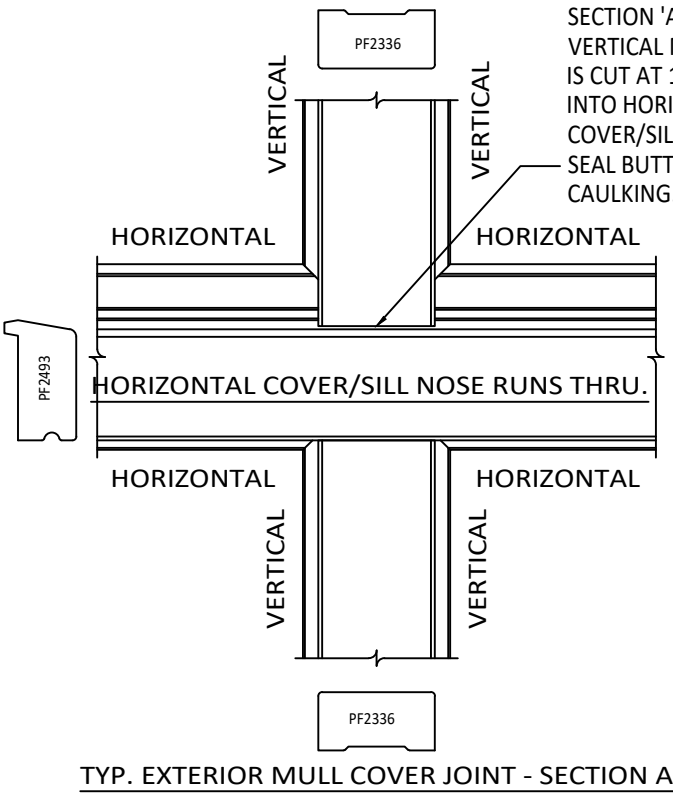
12" FLAT
MULLING GUSSET
KML PN-113573



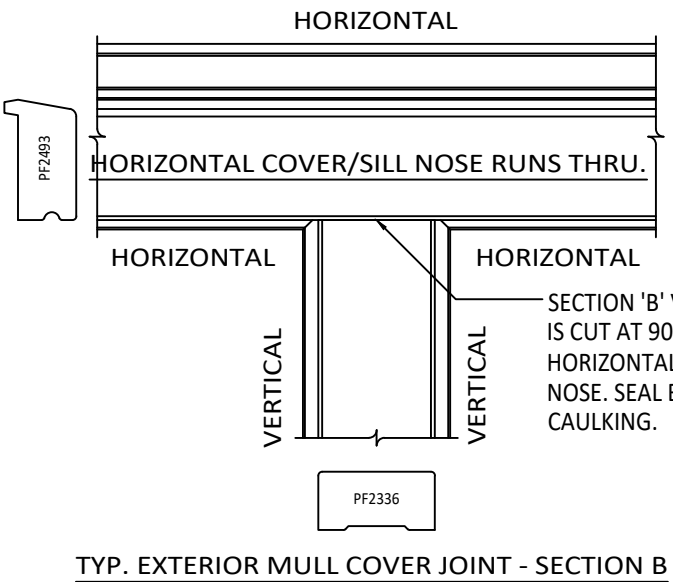
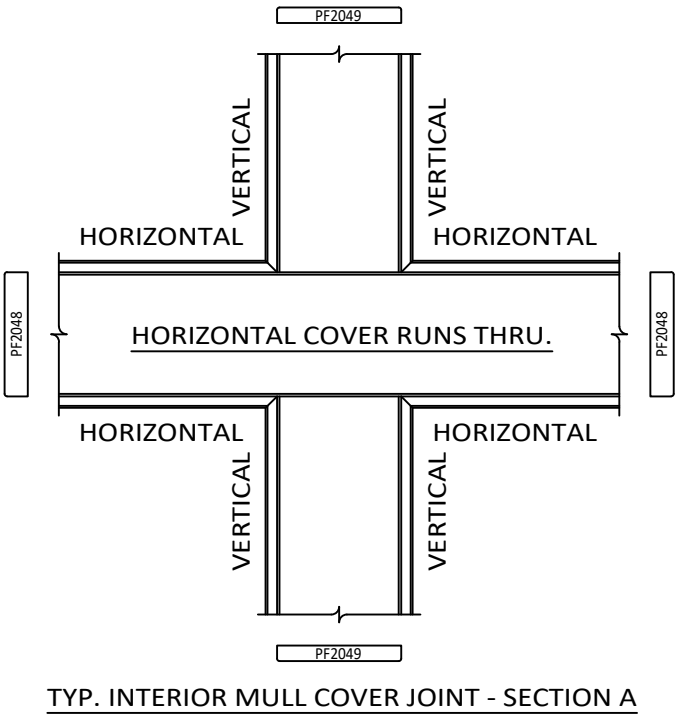
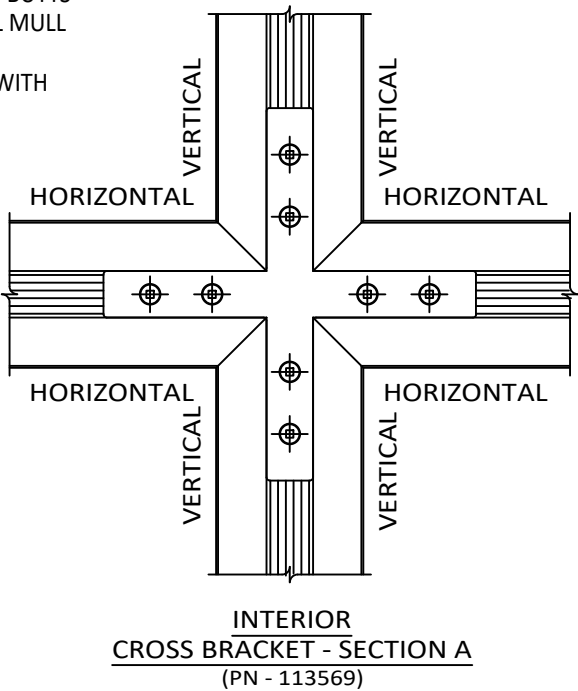
VERTICAL OR HORIZONTAL LINEAL HEAD or JAMB SECTION 'A'

s:\projects\andersen windows\cc-20-0224 - code change - fbc 2020 (version 7) code change\revisions\124175\dwg\124175-4\awd152.dwg
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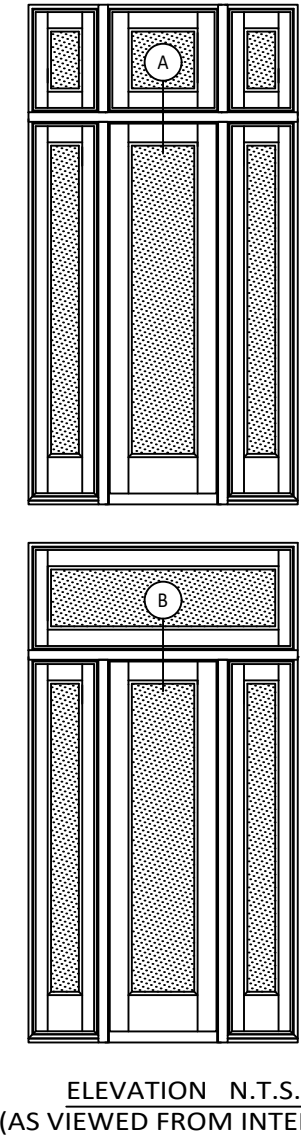
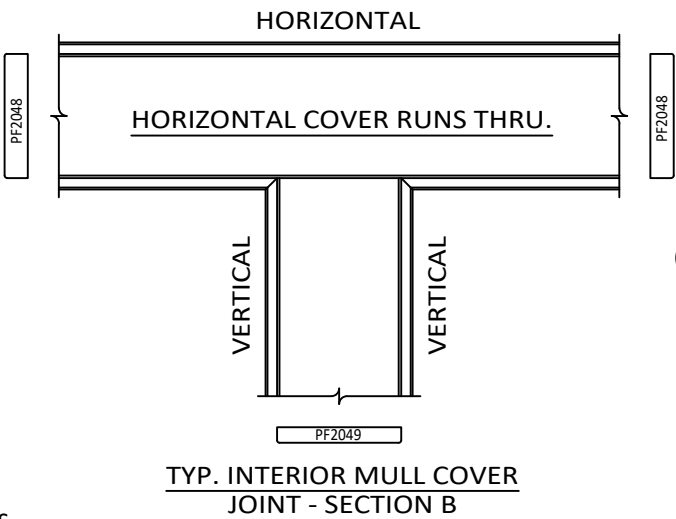
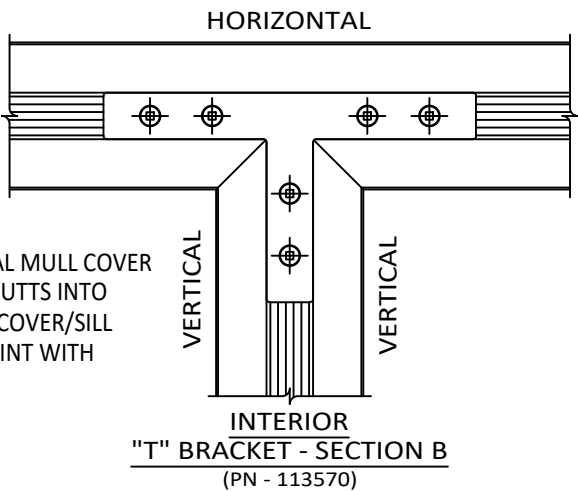
FOR 3/4" LVL MULL ASSEMBLIES



SECTION 'A'
VERTICAL MULL COVER
IS CUT AT 10° AND BUTTS
INTO HORIZONTAL MULL
COVER/SILL NOSE.
SEAL BUTT JOINT WITH
CAULKING.



SECTION 'B' VERTICAL MULL COVER
IS CUT AT 90° AND BUTTS INTO
HORIZONTAL MULL COVER/SILL
NOSE. SEAL BUTT JOINT WITH
CAULKING.



IF THERE IS A CONDITION WHERE A CROSS OR "T" BRACKET IS
REQUIRED, CENTER THE BRACKET ON THE MULLION AND FASTEN IT
WITH 6 TO 8 - #8 X 1" FASTENERS (P/N 1667) AS SHOWN.



#8 X 1" F.H., S.Q. SMS SCREW (PN-1667)



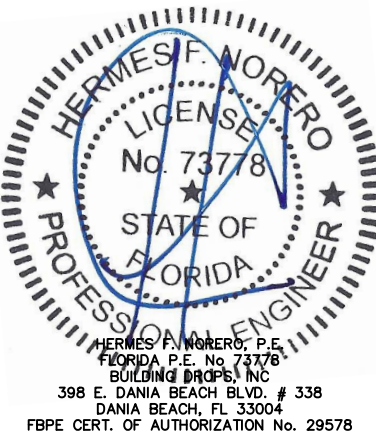
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
MULLING 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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FL #: FL24175

DATE: 08.15.17

DWG. BY: HR
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD152

SHEET:

15

OF 24

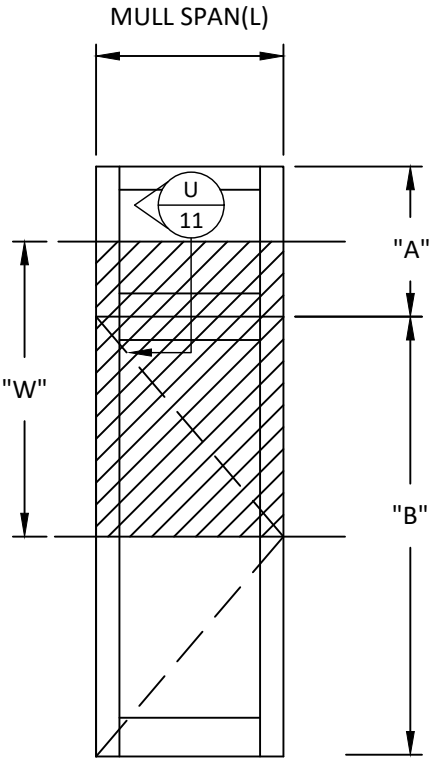
ONE-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

JAMB TO JAMB MULLIONS WITH 4-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)												
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.0	150.0	150.0	142.6	133.4	126.7	122.0	118.8	116.4	116.4	116.4	116.4	116.4	116.4
48.0	146.2	130.3	118.8	110.2	103.7	98.7	95.0	90.5	89.1	89.1	89.1	89.1	89.1
54.0	126.7	112.4	101.8	93.9	87.7	82.9	79.2	74.1	71.3	70.4	70.4	70.4	70.4
60.0	111.8	98.7	89.1	81.8	76.0	71.5	67.9	61.2	57.0	54.6	53.8	53.8	53.8
66.0	100.0	87.7	77.6	69.8	63.7	58.8	54.8	49.0	45.0	42.4	40.9	40.4	40.4
72.0	84.9	73.3	64.7	58.1	52.9	48.7	45.3	40.1	36.5	34.1	32.4	31.5	31.2
78.0	72.1	62.2	54.8	49.2	44.7	41.1	38.1	33.6	30.4	28.1	26.4	25.4	24.7
84.0	60.5	52.3	46.1	41.3	37.6	34.6	32.1	28.2	25.5	23.5	22.1	21.0	20.2
90.0	49.1	42.3	37.3	33.4	30.4	27.9	25.8	22.7	20.4	18.7	17.5	16.5	15.9
96.0	40.4	34.8	30.6	27.4	24.9	22.8	21.1	18.5	16.6	15.1	-	-	-

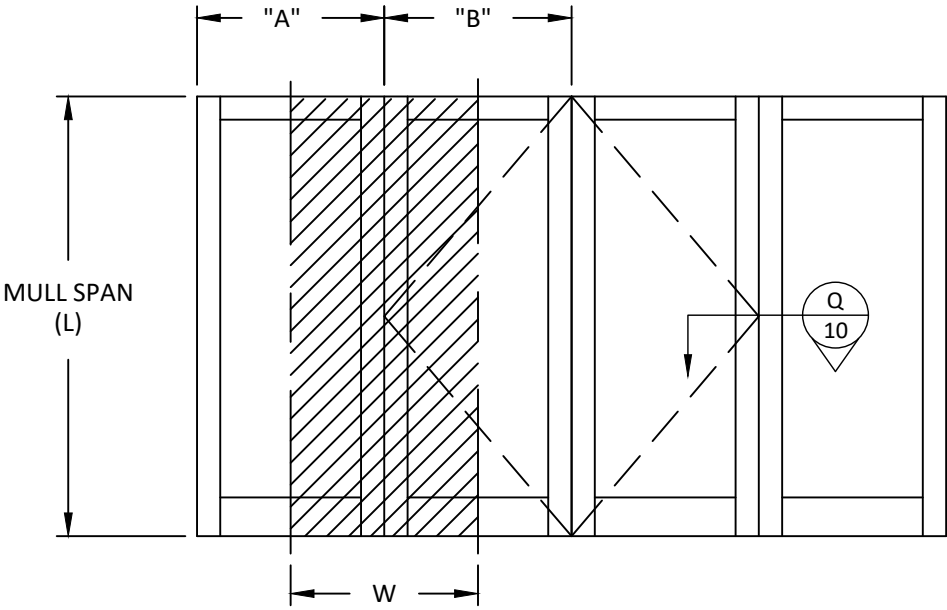
NOTE:

- 1) MULLION CHART APPLIES TO TYPICAL MULLION ASSEMBLIES ON SHEET 10 AND 11.
- 2) MULLION CHART APPLIES TO STACK & RIBBON CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS A & B AT RIGHT.
- 3) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 4) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 5) DESIGN PRESSURE OF ASSEMBLY SHALL BE LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW/DOOR OF INSTALLATION.
- 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH APPLICABLE DETAILS ON SHEET 23 AND 24.
- 7) MULLION TABLE ABOVE APPLIES TO ASSEMBLIES CONSISTING OF DIRECT SET TRANSOM, SASH SET TRANSOM, SIDELITES, & ENTRY DOOR UNITS.



ELEVATION B

TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION A

TRIBUTARY WIDTH = W = (A+B)/2



ANDERSEN
WINDOWS & DOORS

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

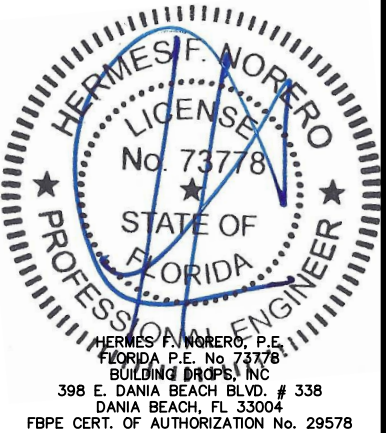
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ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
ONE-WAY MULLION TABLES

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DANIA BEACH, FL 33004
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REMARKS	BY	DATE
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FL #: FL24175

DATE: 08.15.17

DWG. BY: HR
CHK. BY: HFN

SCALE: NTS

DWG. #: AWD152

SHEET:

16

OF 24

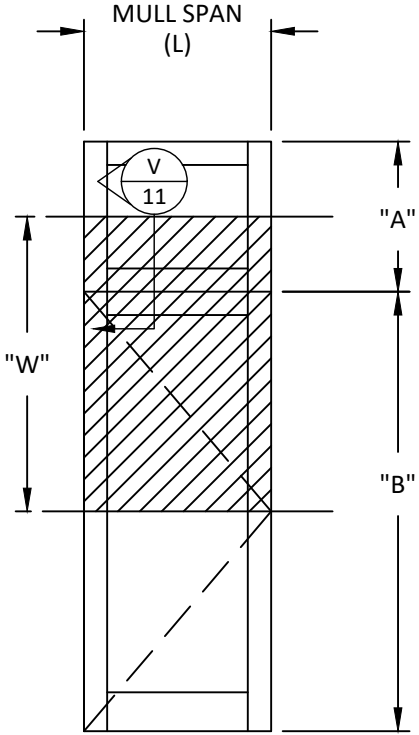
ONE-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

3/4" LVL SPREAD MULLIONS WITH 4-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)												
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.0	150.0	150.0	142.6	133.4	126.7	122.0	118.8	116.4	116.4	116.4	116.4	116.4	116.4
48.0	146.2	130.3	118.8	110.2	103.7	98.7	95.0	90.5	89.1	89.1	89.1	89.1	89.1
54.0	126.7	112.4	101.8	93.9	87.7	82.9	79.2	74.1	71.3	70.4	70.4	70.4	70.4
60.0	111.8	98.7	89.1	81.8	76.0	71.5	67.9	62.7	59.4	57.6	57.0	57.0	57.0
66.0	100.0	88.1	79.2	72.4	67.1	62.8	59.4	54.3	50.9	48.7	47.5	47.1	47.1
72.0	90.5	79.5	71.3	65.0	60.0	56.0	52.8	47.9	44.6	42.2	40.7	39.9	39.6
78.0	82.6	72.4	64.8	58.9	54.3	50.6	47.5	42.9	39.6	37.3	35.6	34.3	33.4
84.0	76.0	66.5	59.4	53.9	49.6	46.1	43.2	38.6	34.7	31.9	29.8	28.3	27.3
90.0	70.4	61.5	54.8	49.4	44.8	41.1	38.0	33.2	29.8	27.2	25.3	23.9	22.9
96.0	64.0	55.1	48.4	43.3	39.2	35.9	33.2	28.9	25.9	23.5	21.8	20.5	19.4

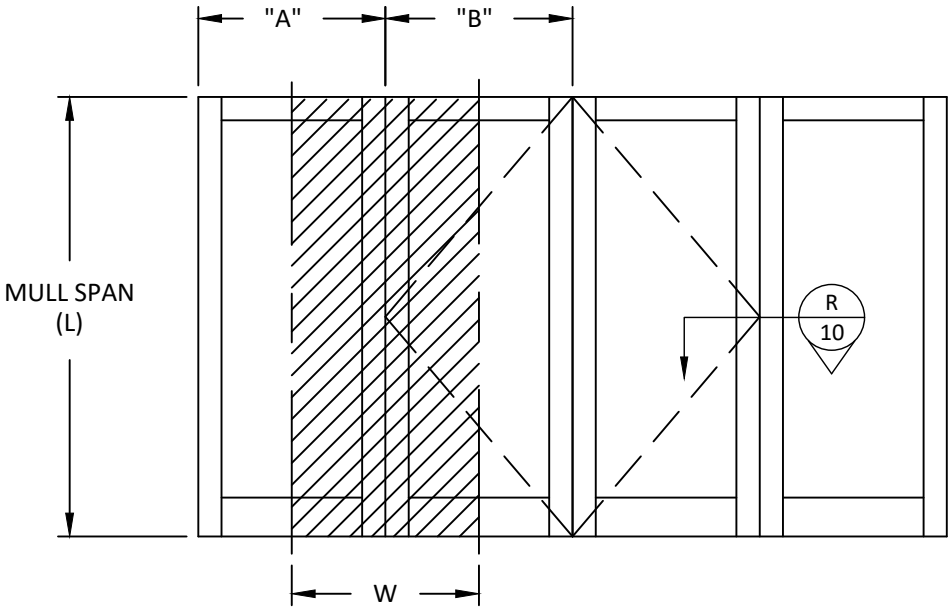
NOTE:

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- MULLION CHART APPLIES TO STACK & RIBBON CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS A & B AT RIGHT.
- DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
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- MULLION TABLE ABOVE APPLIES TO ASSEMBLIES CONSISTING OF DIRECT SET TRANSOM, SASH SET TRANSOM, SIDELITES, & ENTRY DOOR UNITS.



ELEVATION B

TRIBUTARY WIDTH = $W = (A+B)/2$



ELEVATION A

TRIBUTARY WIDTH = $W = (A+B)/2$



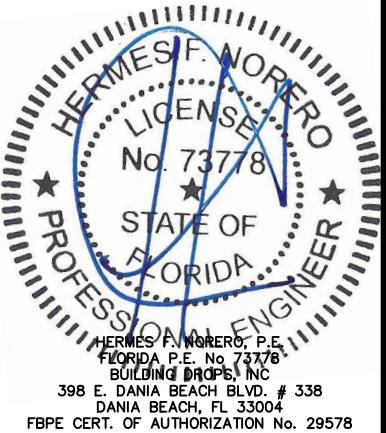
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
ONE-WAY MULLION TABLES

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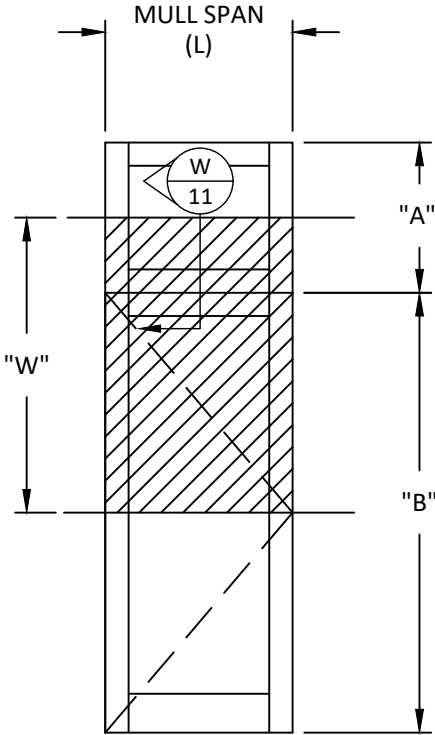
ONE-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

JAMB TO JAMB MULLIONS WITH 6-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)											
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
48.0	150.0	150.0	150.0	150.0	150.0	148.1	142.6	135.8	133.7	133.7	133.7	133.7
54.0	150.0	150.0	150.0	140.8	131.6	124.4	118.8	111.1	106.9	105.6	105.6	105.6
60.0	150.0	148.1	133.7	122.6	114.0	107.3	101.4	91.4	85.1	81.5	80.4	80.4
66.0	150.0	130.9	115.8	104.2	95.1	87.8	81.9	73.1	67.1	63.3	61.1	60.4
72.0	126.7	109.4	96.6	86.7	79.0	72.7	67.6	59.9	54.6	50.8	48.4	47.0
78.0	107.6	92.8	81.8	73.4	66.7	61.3	56.8	50.1	45.3	41.9	39.5	37.8
84.0	92.5	79.8	70.3	62.9	57.1	52.4	48.5	42.6	38.3	35.2	32.9	31.3
90.0	80.5	69.3	61.0	54.6	49.5	45.3	41.9	36.7	32.9	30.0	27.9	26.4
96.0	70.6	60.8	53.4	47.8	43.3	39.6	36.6	31.9	28.5	26.0	24.0	22.6

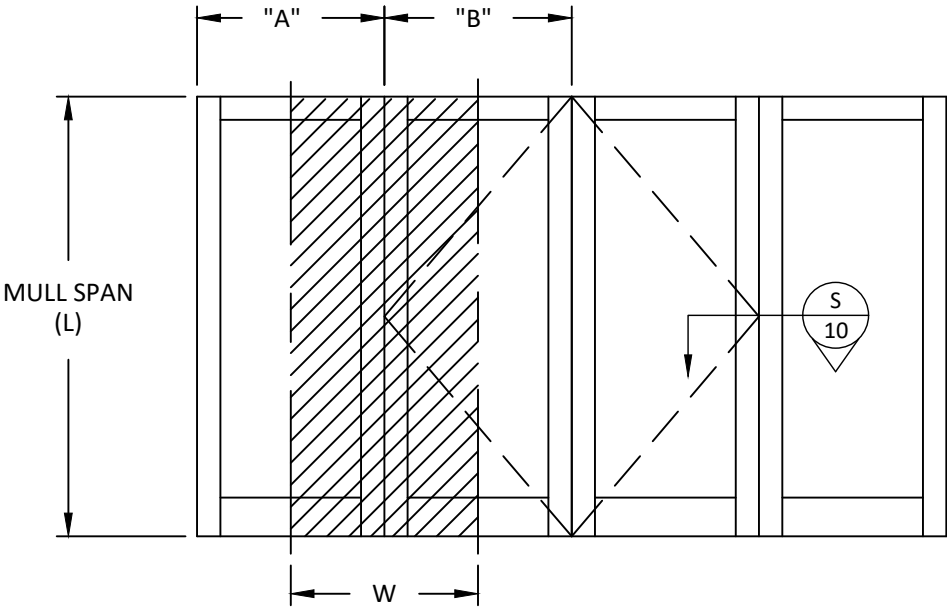
NOTE:

- 1) MULLION CHART APPLIES TO TYPICAL MULLION ASSEMBLIES FOUND ON SHEET 10 AND 11.
- 2) MULLION CHART APPLIES TO STACK & RIBBON CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS A & B AT RIGHT.
- 3) DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
- 4) MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
- 5) DESIGN PRESSURE OF ASSEMBLY SHALL BE LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW/DOOR OF INSTALLATION.
- 6) ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH APPLICABLE DETAILS ON SHEET 23 AND 24.
- 7) MULLION TABLE ABOVE APPLIES TO ASSEMBLIES CONSISTING OF DIRECT SET TRANSOM, SASH SET TRANSOM, SIDELITES, & ENTRY DOOR UNITS.



ELEVATION B

TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION A

TRIBUTARY WIDTH = W = (A+B)/2



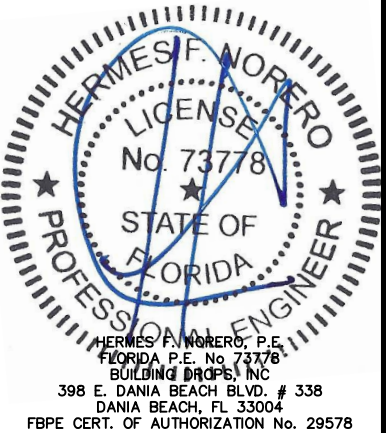
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING ENTRY DOOR (NON-HVHZ)/(NON-IMPACT) ONE-WAY MULLION TABLES

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
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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.



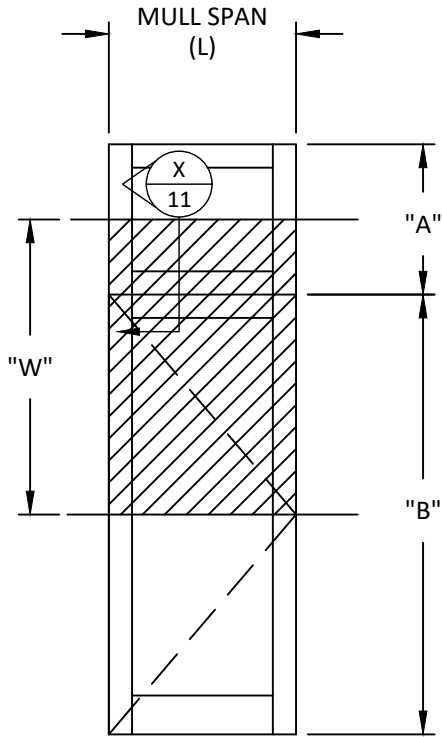
FL #:	FL24175
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	18

ONE-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

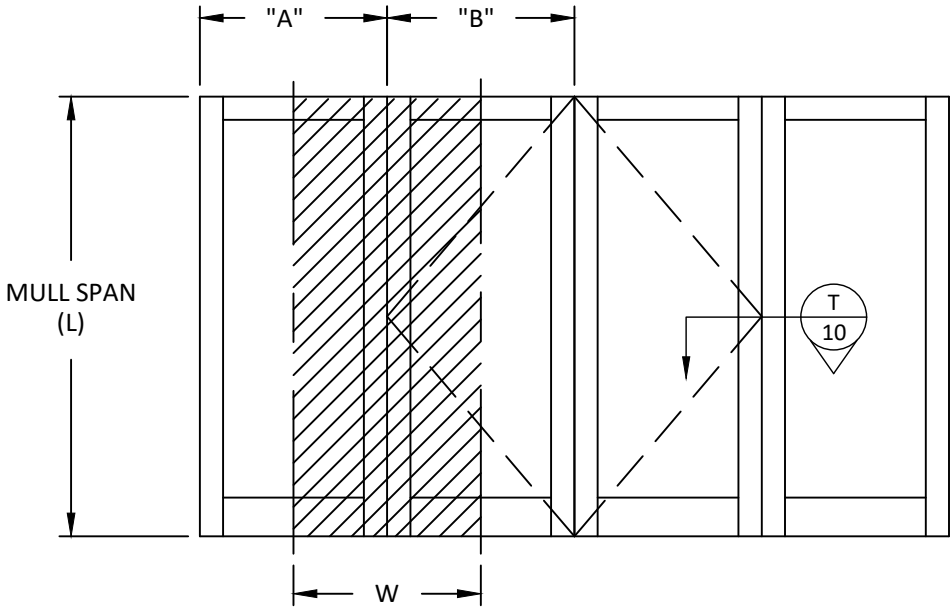
3/4" LVL SPREAD MULLIONS (TYPE A & B) WITH 6-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)											
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
48.0	150.0	150.0	150.0	150.0	150.0	148.1	142.6	135.8	133.7	133.7	133.7	133.7
54.0	150.0	150.0	150.0	140.8	131.6	124.4	118.8	111.1	106.9	105.6	105.6	105.6
60.0	150.0	148.1	133.7	122.6	114.0	107.3	101.8	94.0	89.1	86.4	85.5	85.5
66.0	150.0	132.1	118.8	108.6	100.6	94.3	89.1	81.5	76.4	73.1	71.3	70.7
72.0	135.8	119.2	106.9	97.5	90.0	84.1	79.2	71.9	66.8	63.4	61.1	59.8
78.0	124.0	108.6	97.2	88.4	81.5	75.9	71.3	64.3	59.4	55.9	53.5	51.8
84.0	114.0	99.8	89.1	80.9	74.4	69.1	64.8	58.2	53.5	50.0	47.5	45.7
90.0	105.6	92.2	82.2	74.5	68.4	63.5	59.4	53.1	48.6	45.3	42.8	40.9
96.0	98.3	85.8	76.4	69.1	63.4	58.7	54.8	48.9	44.6	41.3	38.9	37.0

- NOTE:
- MULLION CHART APPLIES TO TYPICAL MULLION ASSEMBLIES ON SHEET 10 AND 11.
 - MULLION CHART APPLIES TO STACK & RIBBON CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS A & B AT RIGHT.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY SHALL BE LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW/DOOR OF INSTALLATION.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH APPLICABLE DETAILS ON SHEET 23 AND 24.
 - MULLION TABLE ABOVE APPLIES TO ASSEMBLIES CONSISTING OF DIRECT SET TRANSOM, SASH SET TRANSOM, SIDELITES, & ENTRY DOOR UNITS.



ELEVATION B
TRIBUTARY WIDTH = W = (A+B)/2



ELEVATION A
TRIBUTARY WIDTH = W = (A+B)/2



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

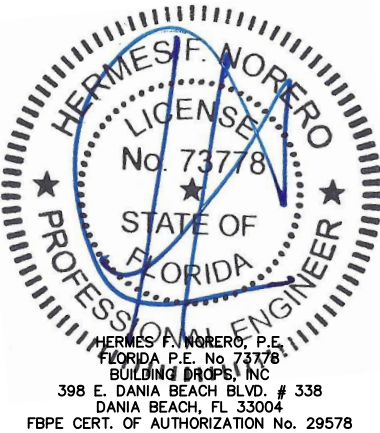
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
ONE-WAY MULLION TABLES

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
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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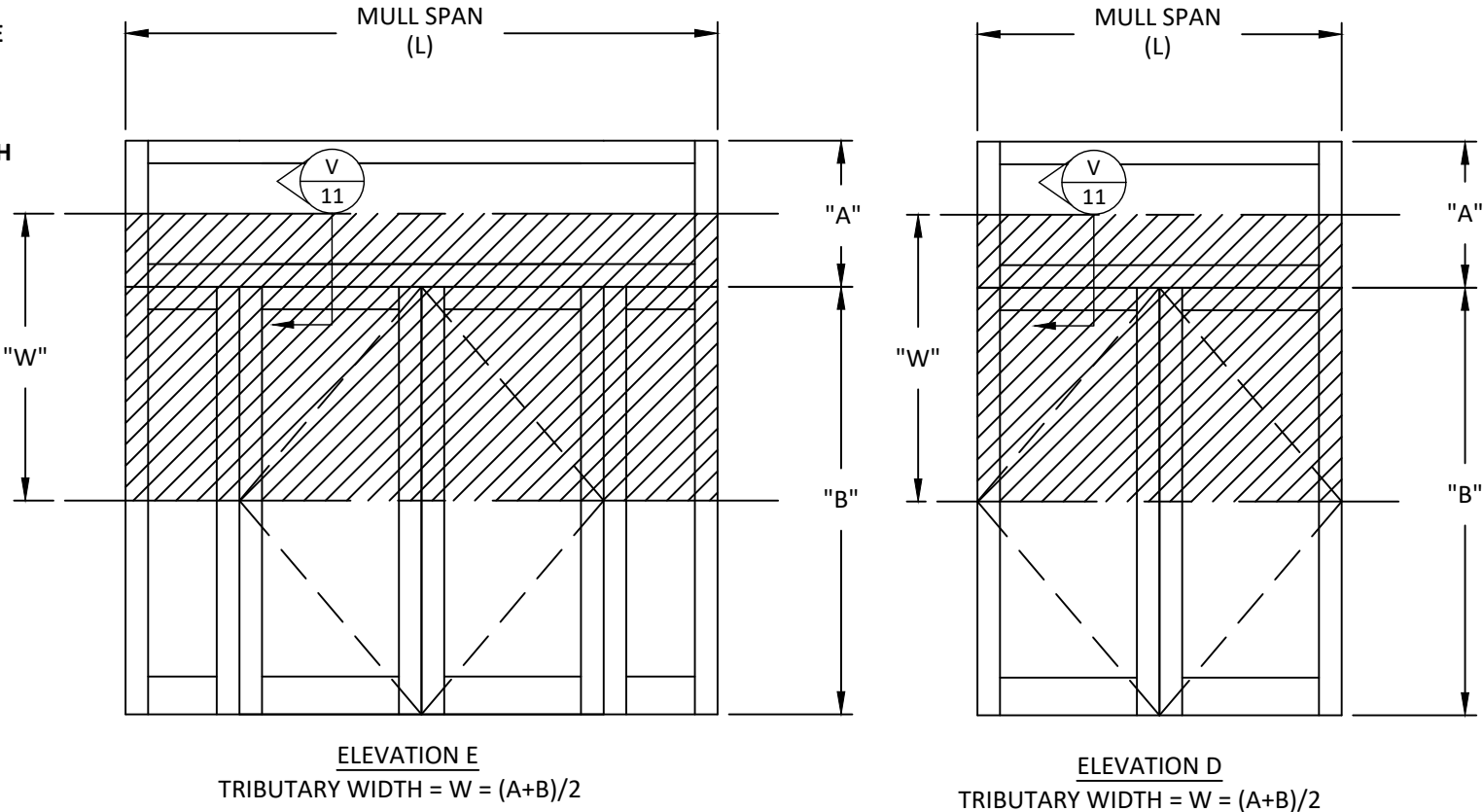
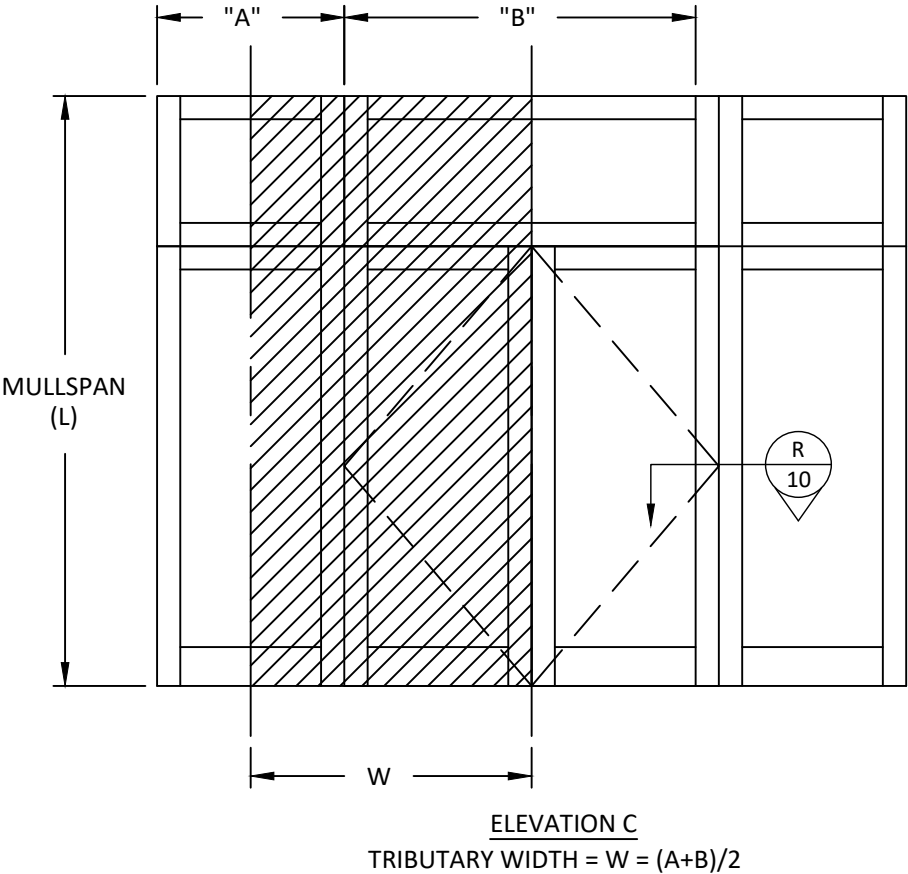
FL #:	FL24175
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	19

TWO-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

3/4" LVL SPREAD MULLIONS WITH 4-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)												
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6	129.6	118.8
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6	126.7	114.0	103.7	95.0
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	135.8	118.8	105.6	95.0	86.4	79.2
42.0	150.0	150.0	150.0	150.0	150.0	148.1	135.8	116.4	101.8	90.5	81.5	74.1	67.9
48.0	150.0	150.0	150.0	150.0	142.6	129.6	118.8	101.8	89.1	79.2	71.3	64.8	59.4
54.0	150.0	150.0	149.8	133.2	119.9	109.0	99.9	85.6	74.9	66.6	59.9	54.5	49.9
60.0	150.0	138.7	121.4	107.9	97.1	88.3	80.9	69.4	60.7	53.9	48.6	44.1	40.5
66.0	133.7	114.6	100.3	89.2	80.2	73.0	66.9	57.3	50.2	44.6	40.1	36.5	33.4
72.0	112.4	96.3	84.3	74.9	67.4	61.3	56.2	48.2	42.1	37.5	33.7	30.7	28.1
78.0	95.8	82.1	71.8	63.8	57.5	52.2	47.9	41.0	35.9	31.9	28.7	26.1	23.9
84.0	82.6	70.8	61.9	55.0	49.5	45.0	41.3	35.4	31.0	27.5	24.8	22.5	20.6
90.0	71.9	61.7	53.9	48.0	43.2	39.2	36.0	30.8	27.0	24.0	21.6	19.6	18.0
96.0	63.2	54.2	47.4	42.1	37.9	34.5	31.6	27.1	23.7	21.1	19.0	17.2	15.8
102.0	56.0	48.0	42.0	37.3	33.6	30.5	28.0	24.0	21.0	18.7	16.8	15.3	-
108.0	49.9	42.8	37.5	33.3	30.0	27.2	25.0	21.4	18.7	16.6	-	-	-
114.0	44.8	38.4	33.6	29.9	26.9	24.5	22.4	19.2	16.8	-	-	-	-
120.0	40.5	34.7	30.3	27.0	24.3	22.1	20.2	17.3	15.2	-	-	-	-
126.0	35.7	30.6	26.8	23.8	21.4	19.5	17.9	15.3	-	-	-	-	-
132.0	31.1	26.6	23.3	20.7	18.7	17.0	15.5	-	-	-	-	-	-

- NOTE:
- MULLION CHART APPLIES TO TYPICAL MULLION ASSEMBLIES FOUND ON SHEET 10 AND 11
 - MULLION CHART APPLIES TO "TWO-WAY" MULLIONS OR 'X' OR 'T' MULLION CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS C, D & E AT RIGHT.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY SHALL BE LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW/DOOR OF INSTALLATION.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH APPLICABLE DETAILS 23 AND 24.
 - MULLION TABLE ABOVE APPLIES TO ASSEMBLIES CONSISTING OF DIRECT SET TRANSOM, SASH SET TRANSOM, SIDELITES, & ENTRY DOOR UNITS.



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

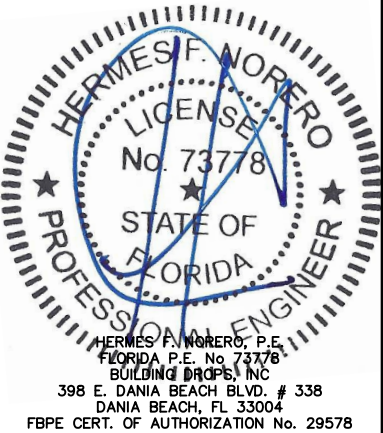
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
TWO-WAY MULLION TABLES

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
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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.



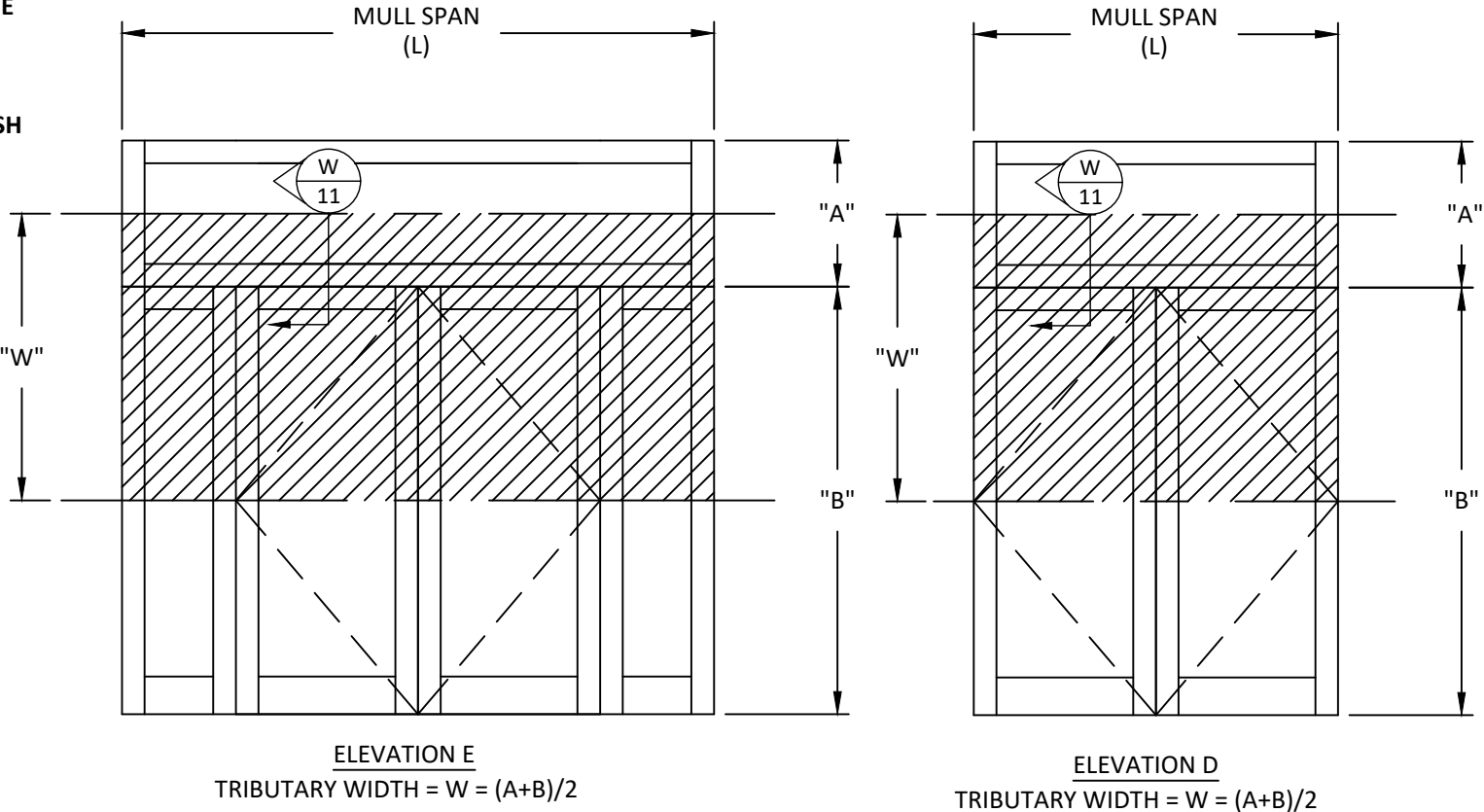
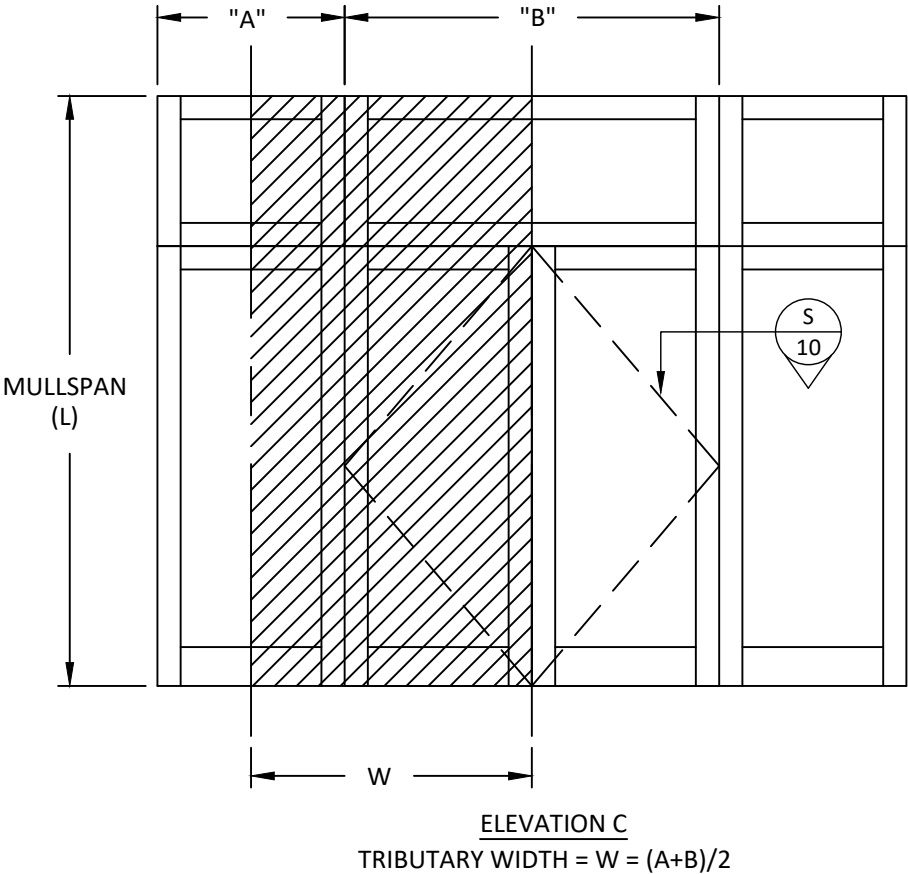
FL #:	FL24175
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	20

TWO-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

JAMB TO JAMB MULLIONS WITH 6-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)													
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6	
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6	129.6	118.8	
42.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	136.7	121.5	109.3	99.4	91.1	
48.0	150.0	150.0	150.0	150.0	150.0	150.0	139.5	119.6	104.6	93.0	83.7	76.1	69.7	
54.0	150.0	150.0	150.0	147.0	132.3	120.2	110.2	94.5	82.7	73.5	66.1	60.1	55.1	
60.0	150.0	150.0	133.9	119.0	107.1	97.4	89.3	76.5	67.0	59.5	53.6	48.7	44.6	
66.0	147.6	126.5	110.7	98.4	88.5	80.5	73.8	63.2	55.3	49.2	44.3	40.2	36.9	
72.0	124.0	106.3	93.0	82.7	74.4	67.6	62.0	53.1	46.5	41.3	37.2	33.8	31.0	
78.0	105.7	90.6	79.2	70.4	63.4	57.6	52.8	45.3	39.6	35.2	31.7	28.8	26.4	
84.0	91.1	78.1	68.3	60.7	54.7	49.7	45.6	39.0	34.2	30.4	27.3	24.8	22.8	
90.0	79.4	68.0	59.5	52.9	47.6	43.3	39.7	34.0	29.8	26.5	23.8	21.6	19.8	
96.0	69.7	59.8	52.3	46.5	41.8	38.0	34.9	29.9	26.2	23.2	20.9	19.0	17.4	
102.0	61.8	53.0	46.3	41.2	37.1	33.7	30.9	26.5	23.2	20.6	18.5	16.9	15.4	
108.0	55.1	47.2	41.3	36.7	33.1	30.1	27.6	23.6	20.7	18.4	16.5	15.0	-	
114.0	49.5	42.4	37.1	33.0	29.7	27.0	24.7	21.2	18.5	16.5	-	-	-	
120.0	44.6	38.3	33.5	29.8	26.8	24.3	22.3	19.1	16.7	-	-	-	-	
126.0	40.5	34.7	30.4	27.0	24.3	22.1	20.2	17.4	15.2	-	-	-	-	
132.0	36.3	31.1	27.2	24.2	21.8	19.8	18.1	15.5	-	-	-	-	-	

- NOTE:
- MULLION CHART APPLIES TO TYPICAL MULLION ASSEMBLIES FOUND ON SHEET 10 AND 11.
 - MULLION CHART APPLIES TO "TWO-WAY" MULLIONS OR 'X' OR 'T' MULLION CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS C, D & E AT RIGHT.
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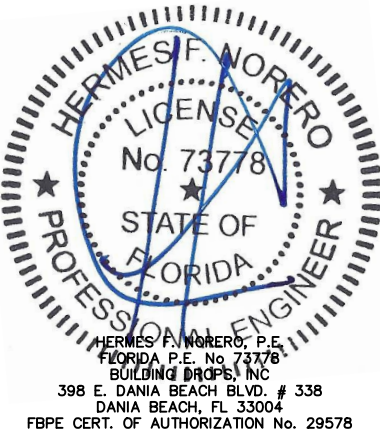
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
TWO-WAY MULLION TABLES

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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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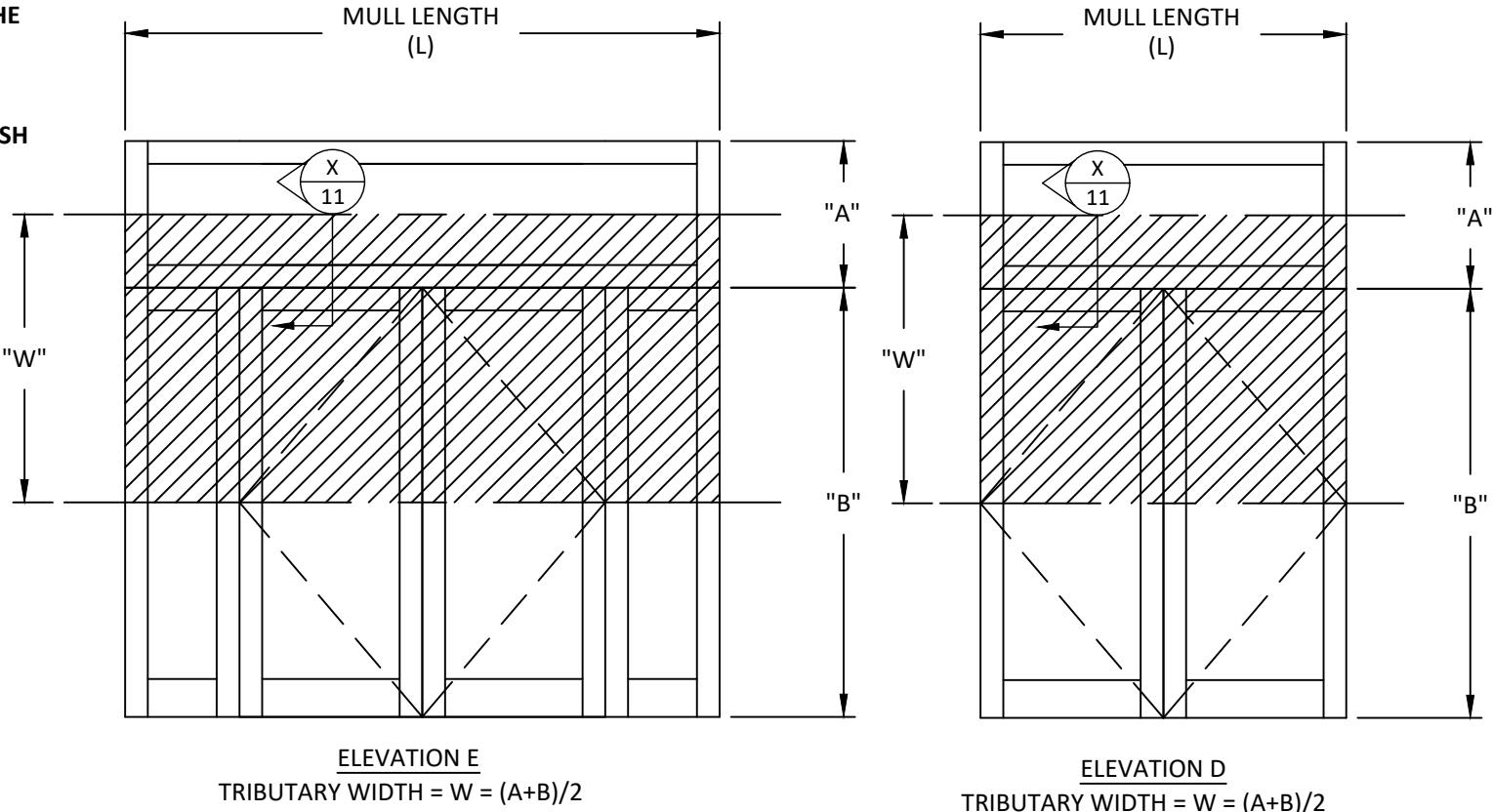
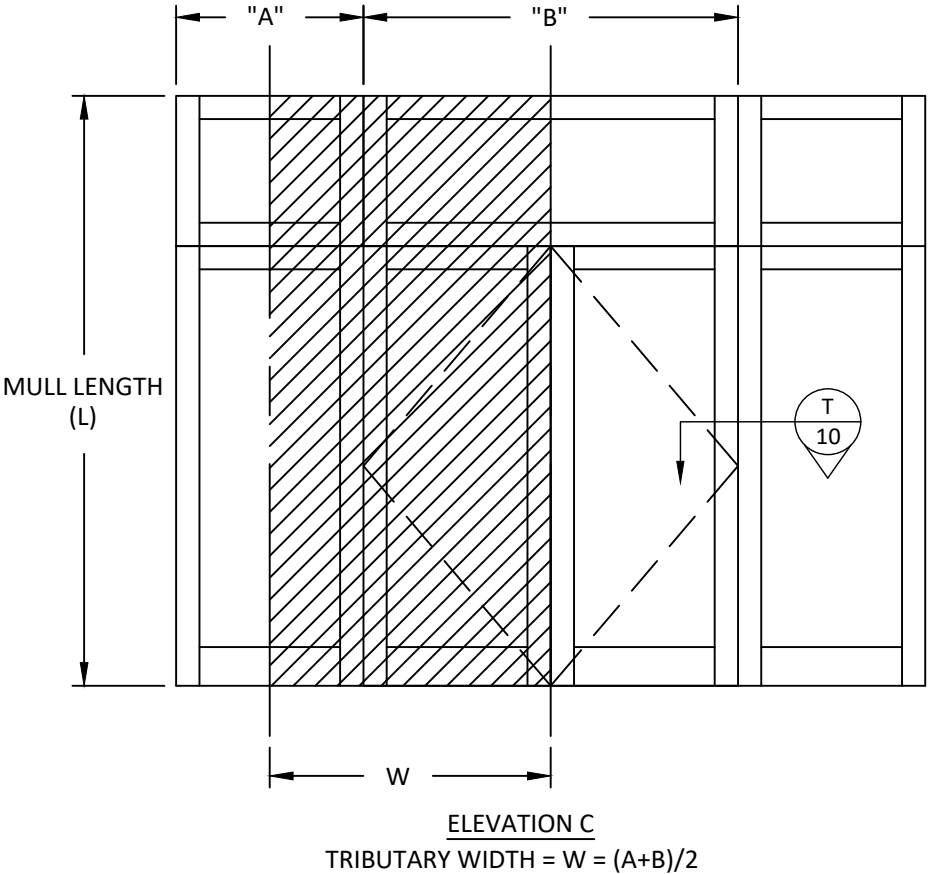
FL #:	FL24175
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	21

TWO-WAY MULLION CONFIGURATIONS (VERTICAL OR HORIZONTAL)

3/4" LVL SPREAD MULLIONS WITH 6-9/16" FRAMES

L - Mull Length (in)	W - Tributary Width (in)												
	18.0	21.0	24.0	27.0	30.0	33.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0
24.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6
36.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6	129.6	118.8
42.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	135.8	122.2	111.1	101.8
48.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	133.7	118.8	106.9	97.2	89.1
54.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	135.8	118.8	105.6	95.0	86.4	79.2
60.0	150.0	150.0	150.0	150.0	150.0	150.0	142.6	122.2	106.9	95.0	85.5	77.8	71.3
66.0	150.0	150.0	150.0	150.0	145.2	132.0	121.0	103.7	90.7	80.6	72.6	66.0	60.5
72.0	150.0	150.0	150.0	135.5	122.0	110.9	101.6	87.1	76.2	67.8	61.0	55.4	50.8
78.0	150.0	148.5	129.9	115.5	103.9	94.5	86.6	74.2	65.0	57.7	52.0	47.2	43.3
84.0	149.3	128.0	112.0	99.6	89.6	81.5	74.7	64.0	56.0	49.8	44.8	40.7	37.3
90.0	130.1	111.5	97.6	86.7	78.1	71.0	65.0	55.8	48.8	43.4	39.0	35.5	32.5
96.0	114.3	98.0	85.8	76.2	68.6	62.4	57.2	49.0	42.9	38.1	34.3	31.2	28.6
102.0	101.3	86.8	76.0	67.5	60.8	55.2	50.6	43.4	38.0	33.8	30.4	27.6	25.3
108.0	90.3	77.4	67.8	60.2	54.2	49.3	45.2	38.7	33.9	30.1	27.1	24.6	22.6
114.0	81.1	69.5	60.8	54.1	48.7	44.2	40.5	34.8	30.4	27.0	24.3	22.1	20.3
120.0	73.2	62.7	54.9	48.8	43.9	39.9	36.6	31.4	27.4	24.4	22.0	20.0	18.3
126.0	66.4	56.9	49.8	44.3	39.8	36.2	33.2	28.4	24.9	22.1	19.9	18.1	16.6
132.0	60.5	51.8	45.4	40.3	36.3	33.0	30.2	25.9	22.7	20.2	18.1	16.5	15.1

- NOTE:
- MULLION CHART APPLIES TO TYPICAL MULLION ASSEMBLIES FOUND ON SHEET 10 AND 11.
 - MULLION CHART APPLIES TO "TWO-WAY" MULLIONS OR 'X' OR 'T' MULLION CONFIGURATIONS SUCH AS SHOWN IN ELEVATIONS C, D AND E AT RIGHT.
 - DESIGN PRESSURE VALUES ARE POSITIVE AND NEGATIVE IN PSF.
 - MAXIMUM DEFLECTION HAS BEEN LIMITED TO L/175.
 - DESIGN PRESSURE OF ASSEMBLY SHALL BE LIMITED TO THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW/DOOR OF INSTALLATION.
 - ADJACENT WINDOWS SHALL BE FASTENED TO THE ROUGH OPENING WITH ADDITIONAL ANCHORS IN ACCORDANCE WITH APPLICABLE DETAILS ON SHEET 23 AND 24.
 - MULLION TABLE ABOVE APPLIES TO ASSEMBLIES CONSISTING OF DIRECT SET TRANSOM, SASH SET TRANSOM, SIDELITES, AND ENTRY DOOR UNITS.



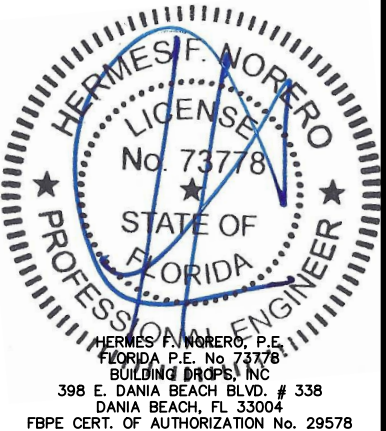
100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
TWO-WAY MULLION TABLES

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
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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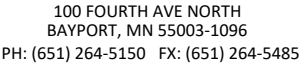
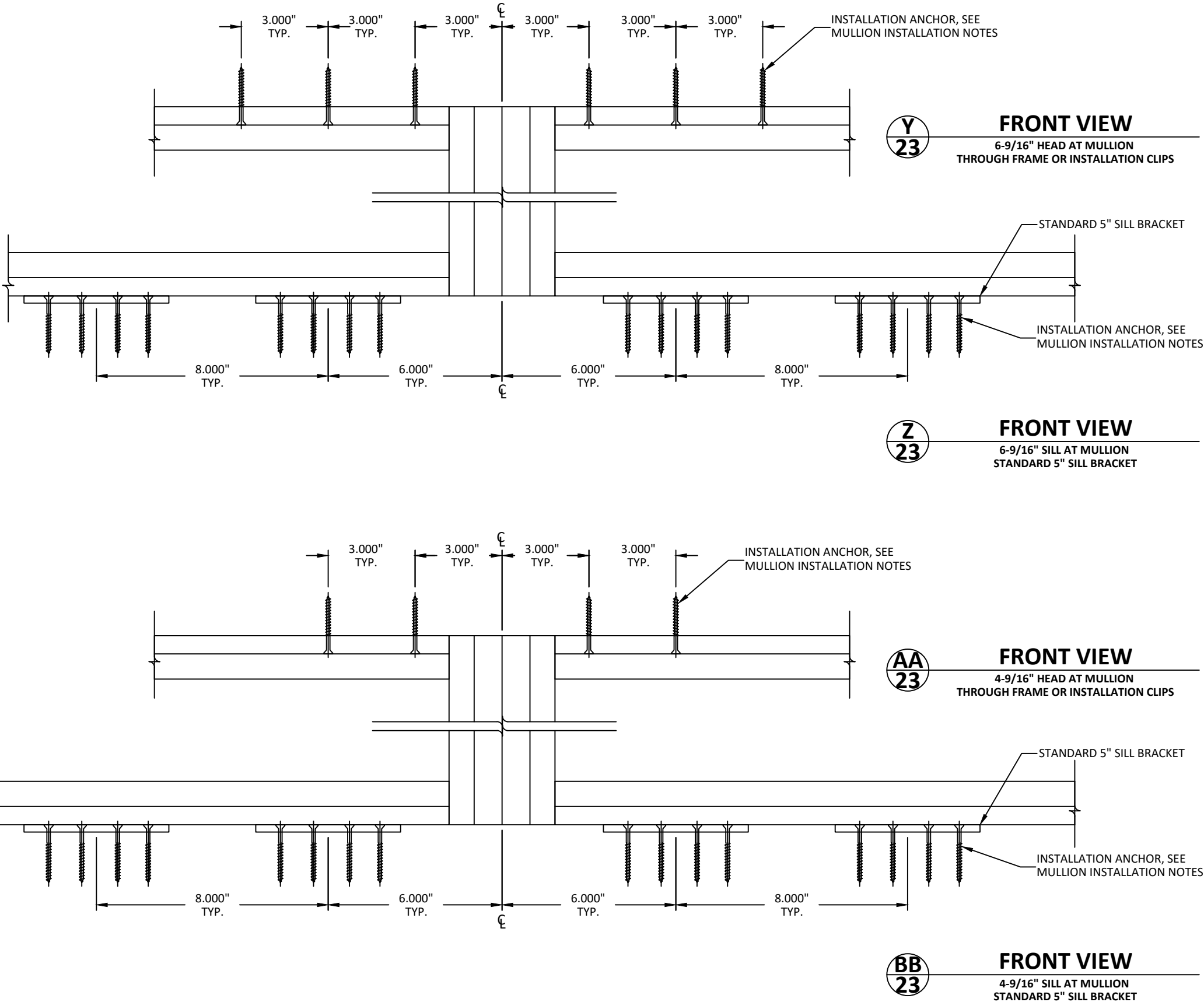
FL #:	FL24175
DATE:	08.15.17
DWG. BY:	HR
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	AWD152
SHEET:	22

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1. FOR WOOD SUBSTRATES (MIN. S.G. = 0.55):
 - A. INSTALLATION CLIPS - USE (2) #12 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/2" EMBEDMENT & 3/4" EDGE DISTANCE.
 - B. THROUGH FRAME - USE (1) #12 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/2" EMBEDMENT & 3/4" EDGE DISTANCE.
 - C. STANDARD 5" SILL CLIP - USE (4) #12 WOOD SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/2" EMBEDMENT & 3/4" EDGE DISTANCE.
 - D. REMODEL SILL CLIP - USE (1) #12 WOOD SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/2" EMBEDMENT & 3/4" EDGE DISTANCE.
2. FOR CONCRETE (MIN. F'c = 3000 PSI) OR CMU BLOCK (ASTM C90):
 - A. INSTALLATION CLIPS - USE (1) 3/16" ITW TAPCON SCREW PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/4" EMBEDMENT & 2 1/2" EDGE DISTANCE.
 - B. THROUGH FRAME - USE (1) 3/16" ITW TAPCON SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/4" EMBEDMENT & 2 1/2" EDGE DISTANCE.
 - C. STANDARD 5" SILL CLIP - USE (2) 3/16" ITW TAPCON SCREW PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/4" EMBEDMENT & 2 1/2" EDGE DISTANCE.
 - D. REMODEL SILL CLIP - USE (1) 3/16" ITW TAPCON SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MIN. 1 1/4" EMBEDMENT & 2 1/2" EDGE DISTANCE.
3. FOR STEEL SUBSTRATES (MIN. 18 GA. MIN. Fy = 33 KSI)
 - A. INSTALLATION CLIPS - USE (2) #12 TEK SCREW SCREWS PER CLIP OF SUFFICIENT LENGTH TO ACHIEVE MIN. 3 THREADS PENETRATION BEYOND SUBSTRATE.
 - B. THROUGH FRAME - USE (1) #12 TEK SCREW SCREW PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE MIN. 3 THREADS PENETRATION BEYOND SUBSTRATE.

NOTE:

INSTALLATIONS SHOWN HEREIN
APPLY TO JAMB TO JAMB AND/OR
3/4" LVL SPREAD MULLION ASSEMBLIES.



TITLE: **WOOD HINGED INSWING
ENTRY DOOR**
(NON-HVHZ)(NON-IMPACT)

MULLION INSTALLATION DETAILS

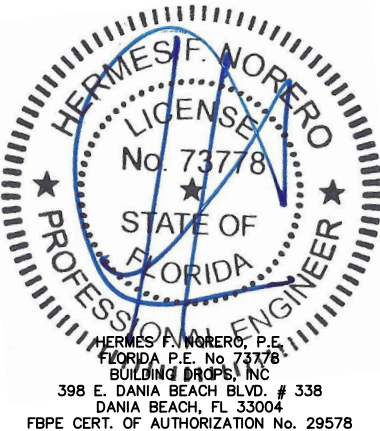
PREPARED BY:

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
5TH FBC CODE CHANGE	SM	4.22.15
6TH FBC CODE CHANGE	HR	8.15.17
7TH FBC CODE CHANGE	SR	3.27.20

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FL #: **FL24175**

DATE: 08.15.17

DWG. BY: HR	CHK. BY: HFN
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SCALE: NTS

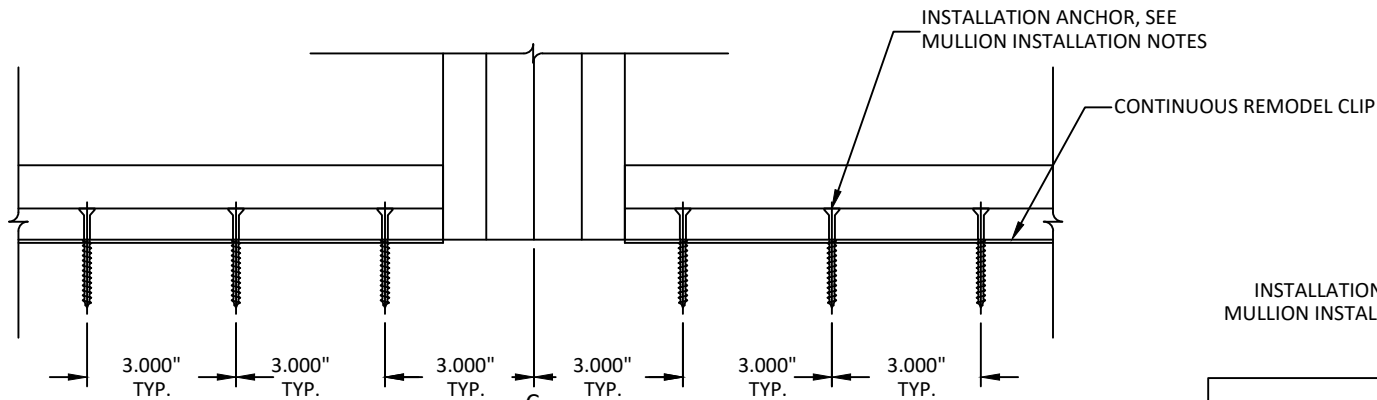
DWG. #: AWD152

SHEET:

23

OF 24

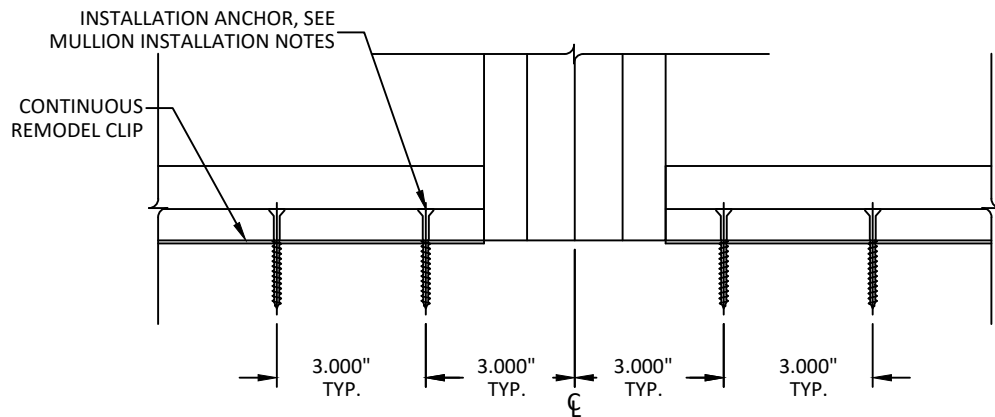
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CC
24

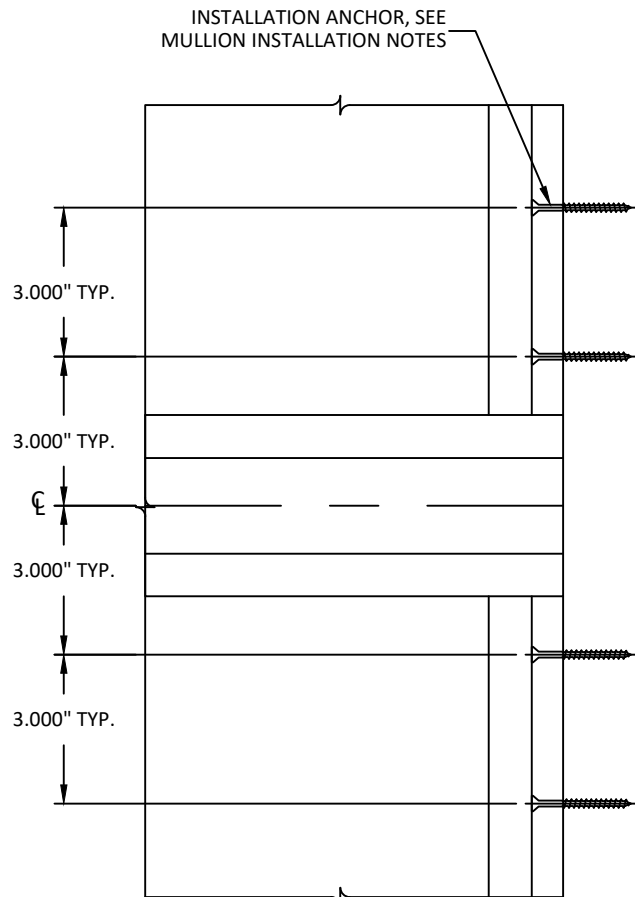
FRONT VIEW
6-9/16" SILL AT MULLION
THRU CONTINUOUS REMODEL CLIP

NOTE:
INSTALLATIONS SHOWN HEREIN
APPLY TO JAMB TO JAMB AND/OR
3/4" LVL SPREAD MULLION ASSEMBLIES.



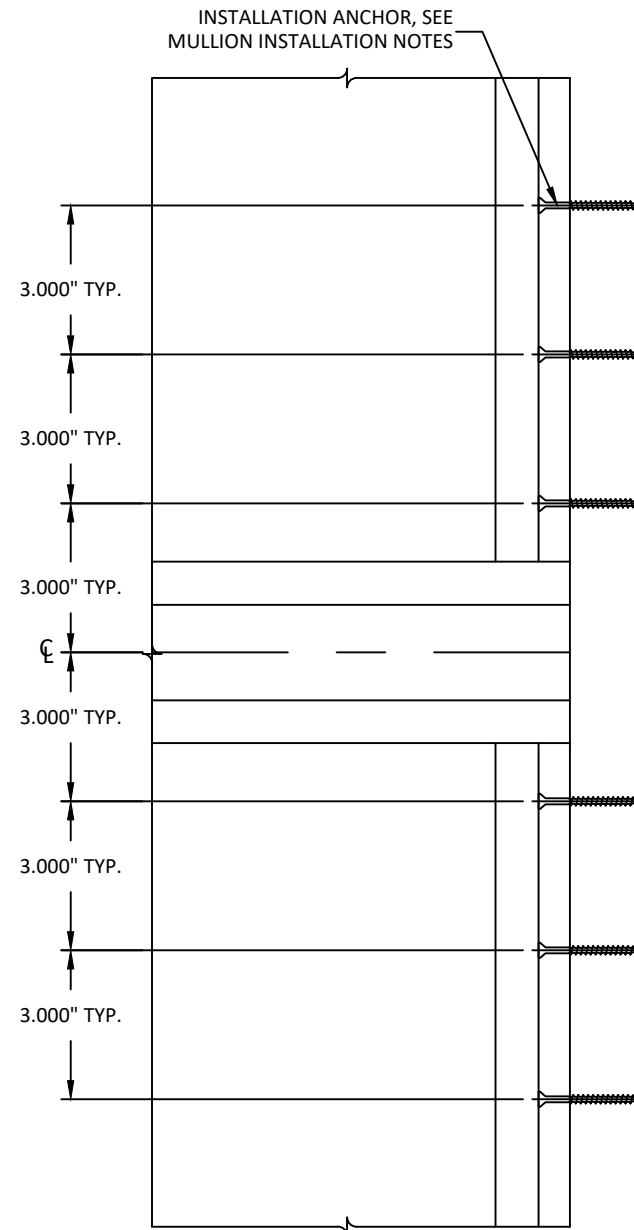
DD
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FRONT VIEW
4-9/16" SILL AT MULLION
THRU CONTINUOUS REMODEL CLIP



EE
24

FRONT VIEW
4-9/16" JAMB AT MULLION
THROUGH FRAME OR INSTALLATION CLIP



FF
24

FRONT VIEW
6-9/16" JAMB AT MULLION
THROUGH FRAME OR INSTALLATION CLIP



100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

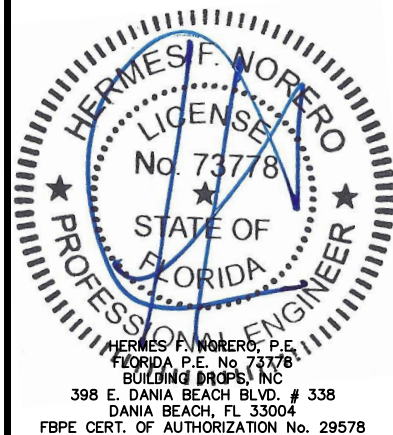
TITLE: WOOD HINGED INSWING
ENTRY DOOR
(NON-HVHZ)/(NON-IMPACT)
MULLION INSTALLATION DETAILS

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SCALE: **NTS**

DWG. #: **AWD152**

SHEET:

24

OF 24