

OPTIMUM STEEL WINDOWS AND DOORS

RTS-430i STAINLESS STEEL FRENCH DOOR

(WZ3)(IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR FOR 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 ±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 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.
- FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCON OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT, AND 2-1/2 INCHES EDGE DISTANCE.
- FOR INSTALLATION DIRECTLY INTO WOOD FRAME, USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT, AND 3/4 INCH EDGE DISTANCE.
- FOR INSTALLATION INTO STEEL STUD OR ALUMINUM USE 1/4" SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL, AND 3/4 INCH EDGE DISTANCE.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - 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.
 - STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 35.9 MIL (0.0478" or 18 GAUGE).
 - ALUMINUM - MINIMUM GRADE OF 6063-T6. 1/8" MINIMUM WALL THICKNESS.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E283-19
 - ASTM E330-14(21)
 - ASTM E331-00(16)
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, STEEL, 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.
- 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.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
- WINDOW FRAME MATERIAL: 304 STAINLESS STEEL
- DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE FBC.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

NOTES:

- DESIGN PRESSURES ARE LIMITED TO THE LESSER OF COMPARATIVE ANALYSIS PER FBC SECTION 1709.5.1 AND GLASS CAPACITIES PER ASTM E1300 (3 SEC. GUST).
- SQUARE FOOTAGE AREA HAS BEEN LIMITED TO EQUAL OR LESS THAN THE TESTED AREA FOR SINGLE AND MULLED CONFIGURATIONS.
- ALLOWABLE DESIGN PRESSURE WILL BE LESSER OF DESIGN PRESSURE TABLES ON SHEET 3.
- SEE SHEET 4 FOR ALLOWABLE SHAPE CONFIGURATIONS.

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DESIGN PRESSURE RATING					
FRAME SIZE	CONFIGURATION	GLAZING OPTION	MAX. D.L.O. SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEET 4	"X"	G1, G3, G4, G5, G6	37 ¹¹ / ₁₆ " X 114 ⁹ / ₁₆ "	+/- 65 PSF	LARGE & SMALL MISSILE IMPACT
	"X - X"				
	"X"	G2	31 ¹¹ / ₁₆ " X 90 ⁷ / ₁₆ "		
	"X - X"				

NOTE:

INTERIOR AND EXTERIOR GLAZED OPTIONS QUALIFIED FOR ALL CONFIGURATIONS SHOWN ON THIS APPROVAL.



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

TITLE: RTS-430i STAINLESS STEEL FRENCH DOOR (WZ3)(IMPACT) GENERAL NOTES AND INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15

MIAMI, FL 33132

PH: (954) 399-8478

FAX: (954) 744-4738

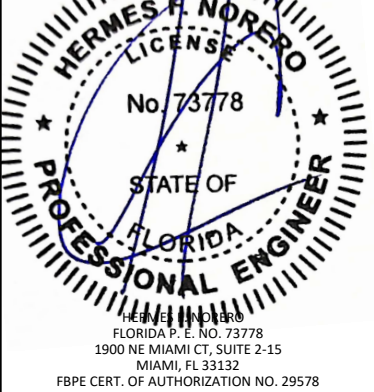
WEB: www.buildingdrops.com



REMARKS	BY	DATE
MISC. REVISION	MS	01/26

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.02.12 13:46:51 -0500



FL35023

DATE: 02.12.2025

DWG. BY: DB

CHK. BY: HFN

SCALE: NTS

DWG. #: OPW017

SHEET: OF 19

1



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FRENCH DOOR
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GLAZING DETAILS

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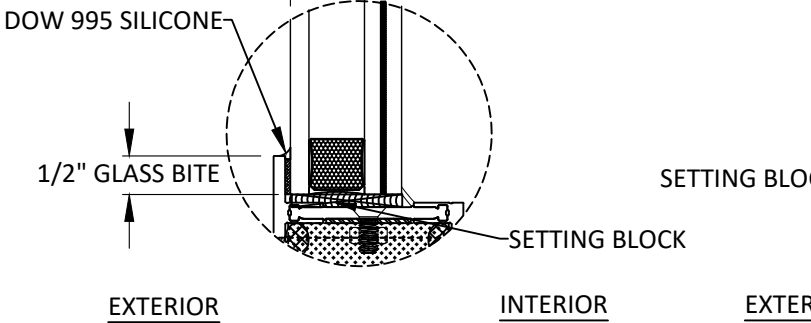
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DWG. BY: DB	CHK. BY: HFN
SCALE: NTS	
DWG. #: OPW017	
SHEET:	OF 19

1 1/2" O.A. IG CONSISTING OF:
1/4" TEMPERED
13/16" ALUMINUM SPACER
3/16" CLEAR HS
0.090" SENTRYGLAS INTERLAYER
BY KURARAY AMERICA
3/16" CLEAR HS

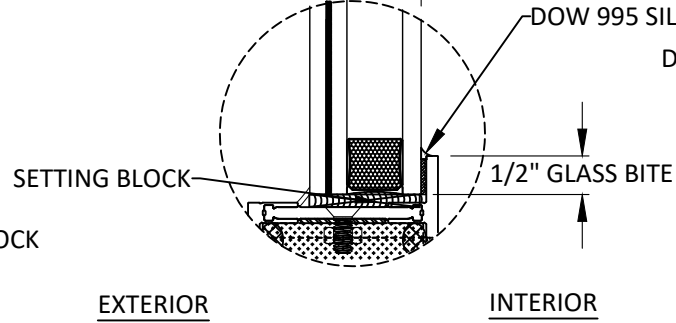
1 1/2" O.A. IG CONSISTING OF:
3/16" CLEAR HS
0.090" SENTRYGLAS INTERLAYER
BY KURARAY AMERICA
3/16" CLEAR HS
13/16" ALUMINUM SPACER
1/4" TEMPERED

1 5/16" O.A. IG CONSISTING OF:
1/4" TEMPERED
9/16" ALUMINUM SPACER
3/16" CLEAR HS
0.090" SENTRYGLAS INTERLAYER
BY KURARAY AMERICA
3/16" CLEAR HS

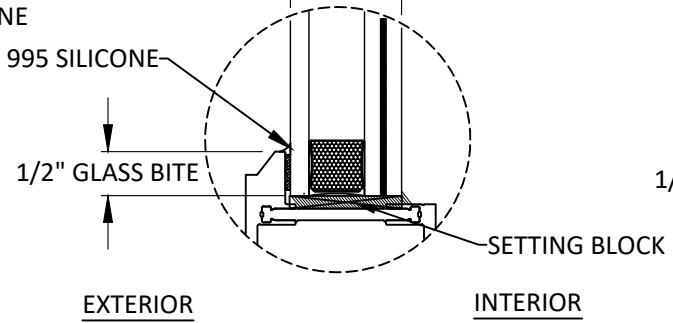
7/16" O.A. LAMINATED GLASS
CONSISTING OF:
3/16" HEAT STRENGTHENED GLASS
0.090" SENTRYGLAS INTERLAYER
BY KURARAY AMERICA
3/16" HEAT STRENGTHENED GLASS



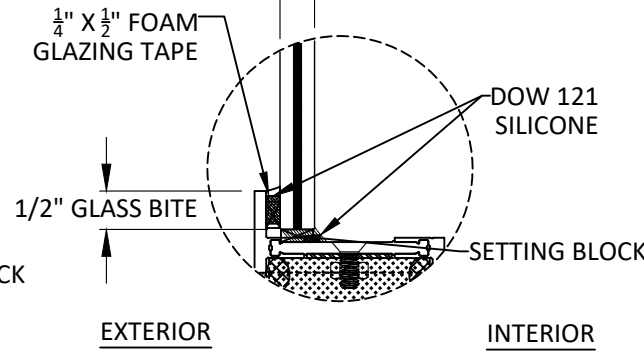
GLAZING DETAIL 1



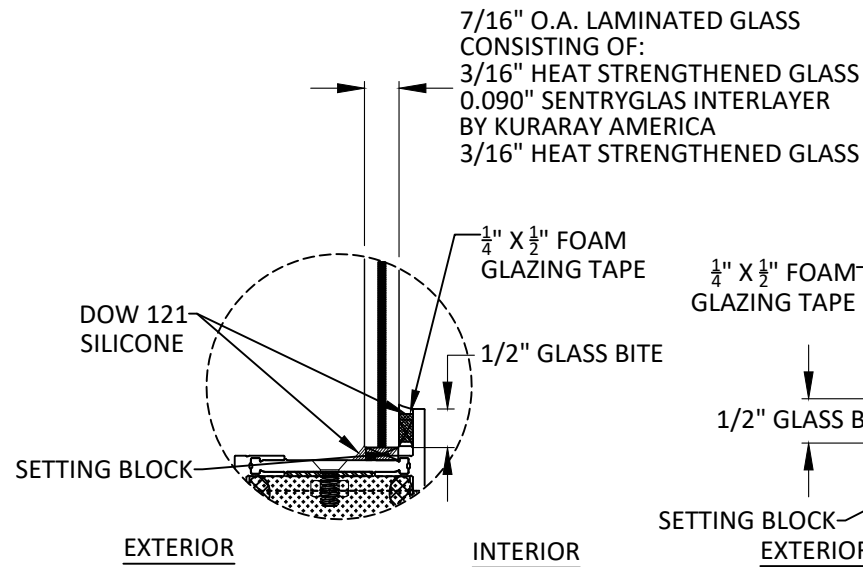
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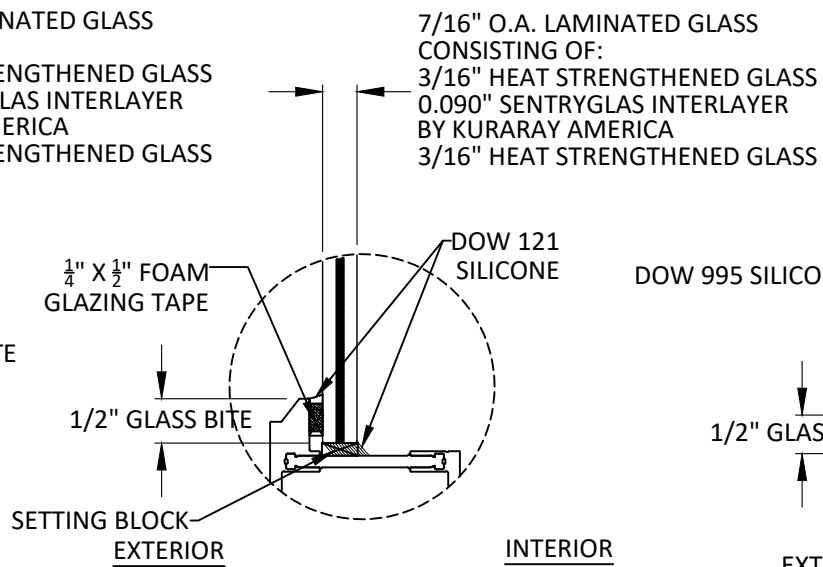
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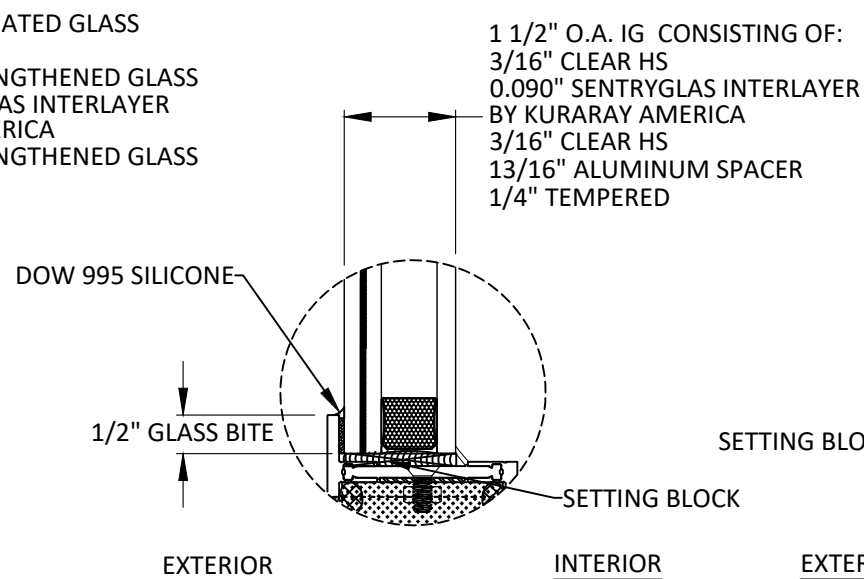
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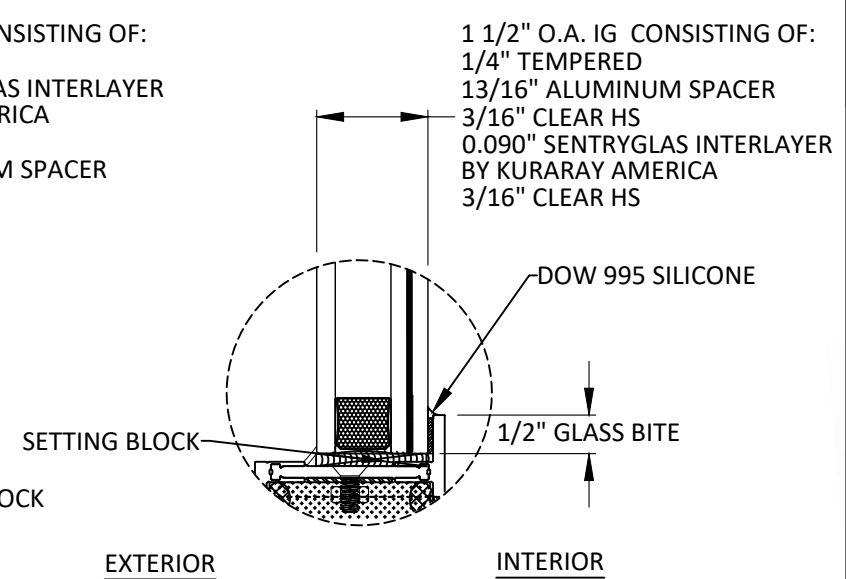
GLAZING DETAIL 5



GLAZING DETAIL 6

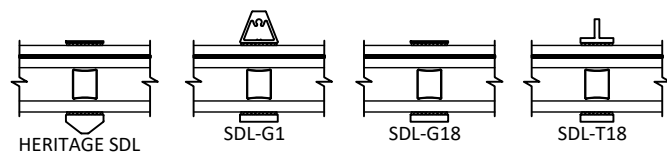


GLAZING DETAIL 7

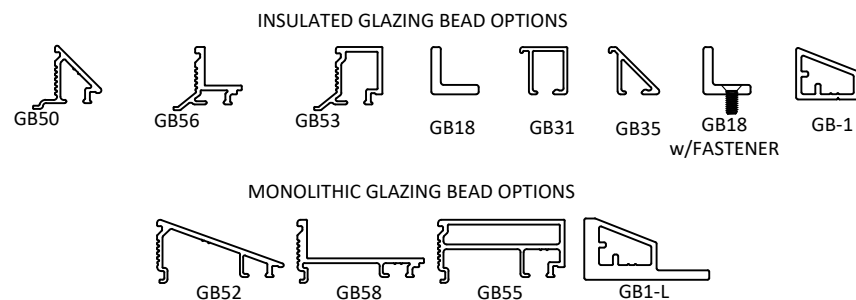


GLAZING DETAIL 8

SIMULATED MUNTIN:



OTHER QUALIFIED GLAZING BEADS:



- NOTES:
- GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, 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 ARE LIMITED TO THE MAX VALUES SHOWN HEREIN.

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE '1, 3, 4, 5, 6'	
D.L.O. WIDTH 'in.'	D.L.O. HEIGHT 'in.'	EXT. (+)	INT. (-)
25.69	78.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	84.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	90.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	96.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	102.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	108.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	114.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	120.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	126.56	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
43.69		56.1	56.1
49.69		49.3	49.3
25.69	132.56	65.0	65.0

GLASS CAPACITY TABLE

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE '2'	
D.L.O. WIDTH 'in.'	D.L.O. HEIGHT 'in.'	EXT. (+)	INT. (-)
25.69	78.44	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
25.69	84.44	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
25.69	90.44	65.0	65.0
31.69		65.0	65.0
37.69		65.0	65.0
25.69	96.44	65.0	65.0
25.69	102.44	65.0	65.0
25.69	108.44	65.0	65.0

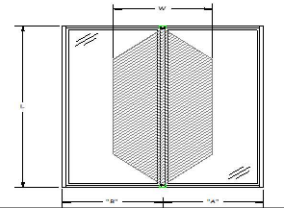
DESIGN PRESSURE (PSF)			
NOMINAL DIMS.		"X" CONFIGURATION	
FRAME WIDTH 'in.'	FRAME HEIGHT 'in.'	EXT. (+)	INT. (-)
30.00	84.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	90.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	96.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	102.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	108.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	114.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	120.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		56.9	56.9
54.00		50.6	50.6
30.00	126.00	85.2	85.2
36.00		73.0	73.0
42.00		73.0	73.0
48.00		84.7	84.7
54.00		72.4	72.4
30.00	132.00	84.2	84.2
36.00		71.9	71.9
42.00		71.9	71.9
48.00		83.8	83.8
54.00		73.0	73.0
30.00	138.00	83.8	83.8
36.00		73.0	73.0
42.00		73.0	73.0
48.00		83.8	83.8
54.00		73.0	73.0
30.00	144.00	83.8	83.8
36.00		73.0	73.0
42.00		73.0	73.0
48.00		83.8	83.8
54.00		73.0	73.0

DESIGN PRESSURE TABLE

"X"

NOTE: LESSER OF GLASS CAPACITY TABLES AND DESIGN PRESSURE TABLES SHALL APPLY TO THE ENTIRE SYSTEM.

DESIGN PRESSURE (PSF)			
NOMINAL DIMS.		"X-X" CONFIGURATION	
TRIB. WIDTH (W) 'in.'	FRAME HEIGHT 'in.'	EXT. (+)	INT. (-)
30.00	84.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	90.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	96.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	102.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	108.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	114.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	120.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	126.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	132.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	138.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0
30.00	144.00	65.0	65.0
36.00		65.0	65.0
42.00		65.0	65.0
48.00		65.0	65.0
54.00		65.0	65.0



DESIGN PRESSURE TABLE

"X - X"



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DESIGN PRESSURE TABLES

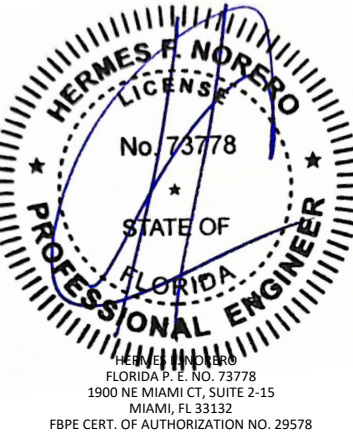
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DATE: 02.12.2025

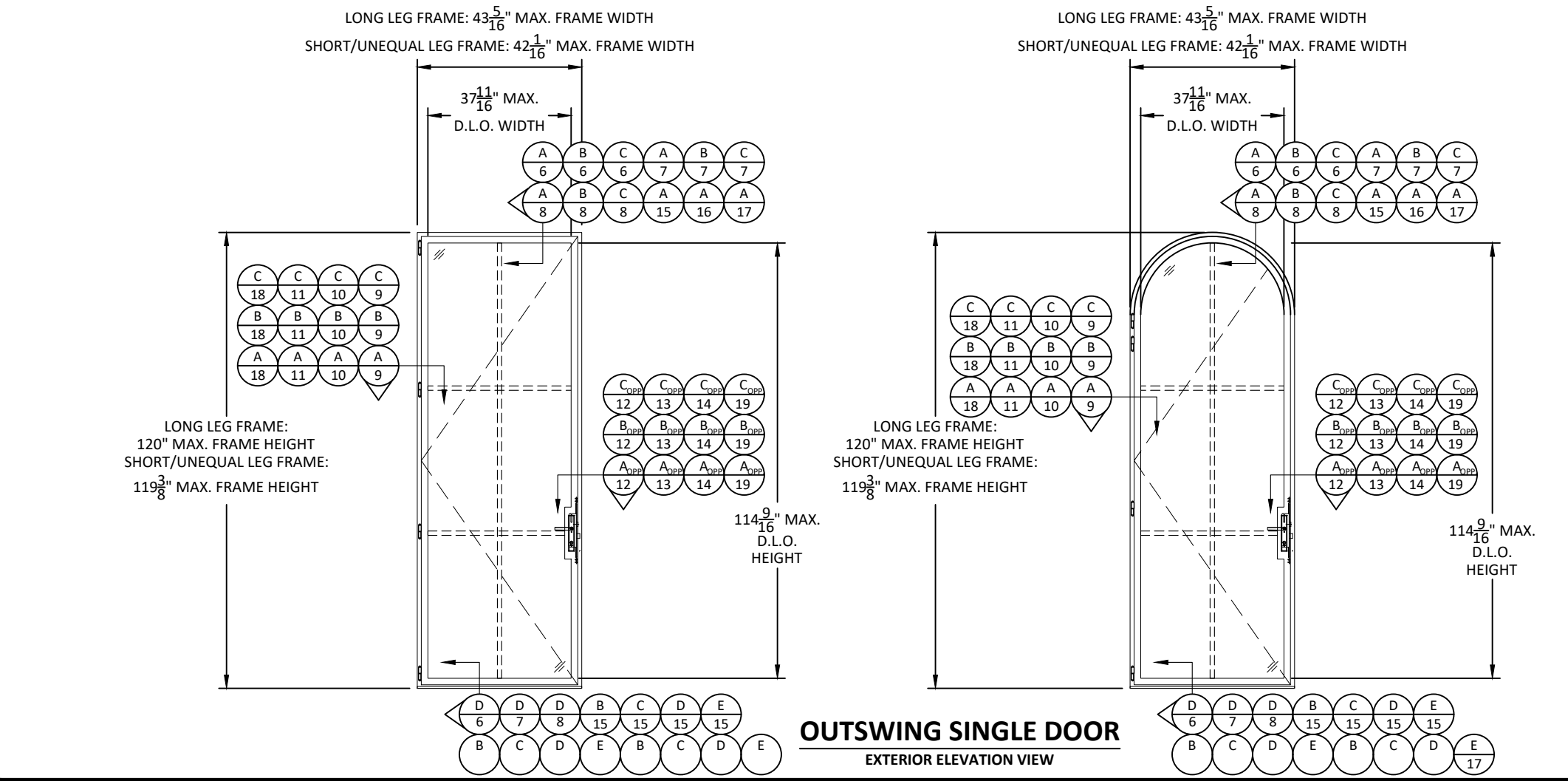
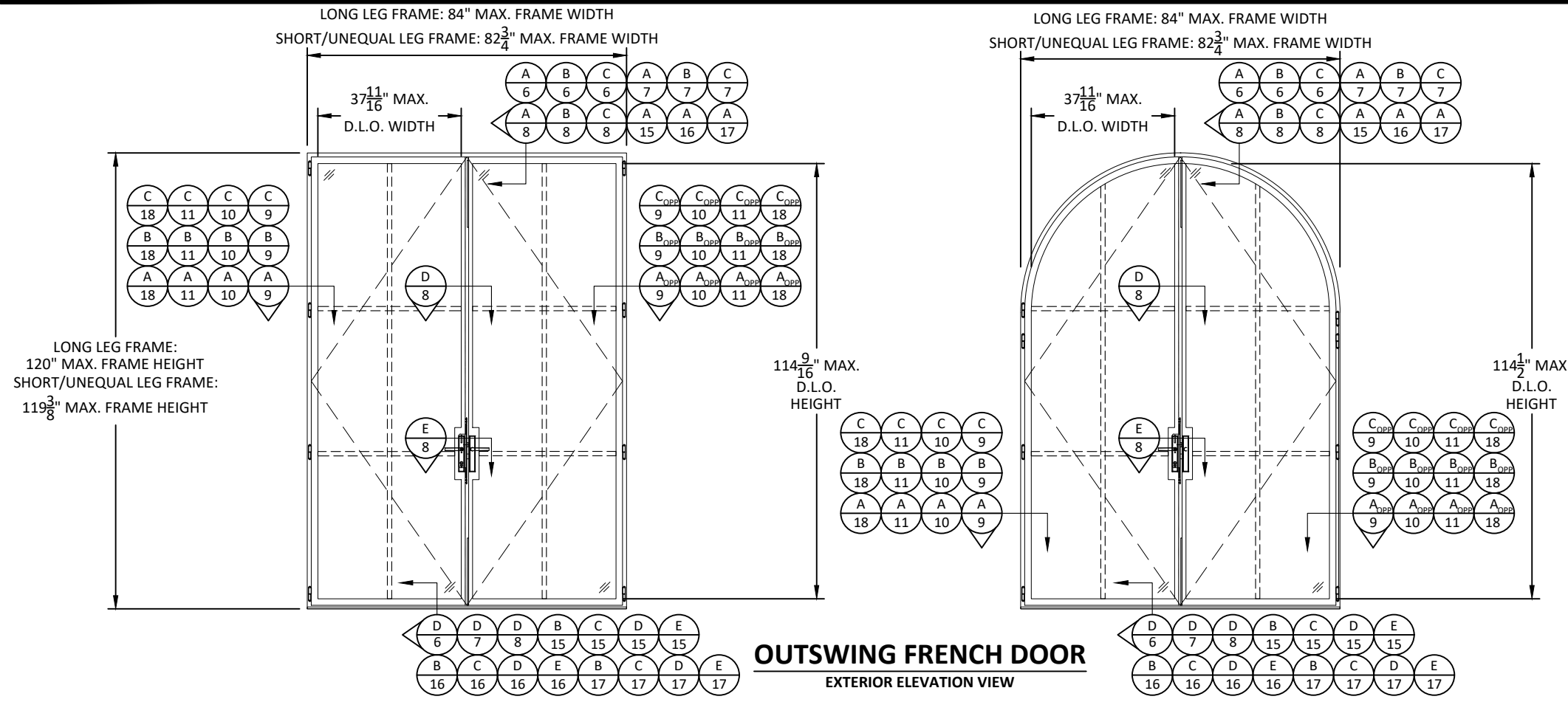
DWG. BY: DB

CHK. BY: HFN

SCALE: NTS

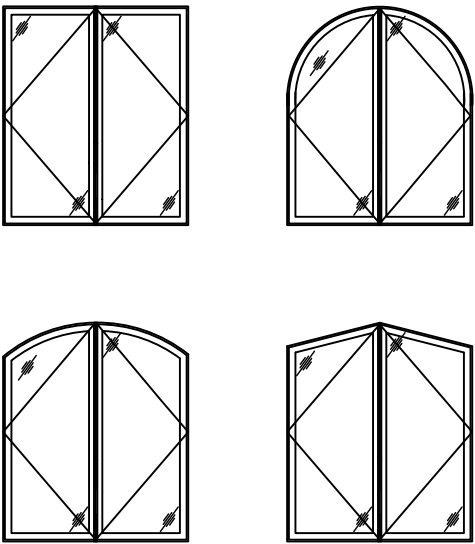
DWG. #: OPW017

SHEET: 3 OF 19



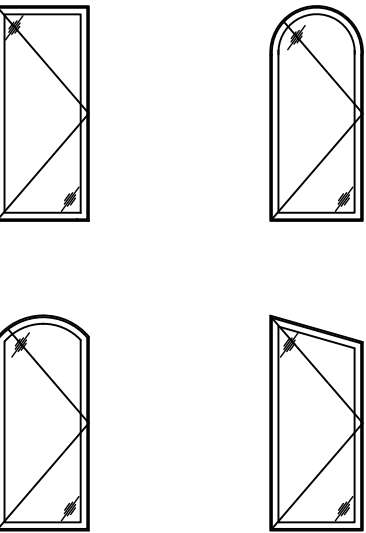
ALLOWABLE
CONFIGURATIONS
"X - X"

NOTE: SIZES LIMITED TO MAX.
WIDTH AND HEIGHT IN DP TABLES
ON SHEET 3.



ALLOWABLE
CONFIGURATIONS
"X"

NOTE: SIZES LIMITED TO MAX.
WIDTH AND HEIGHT IN DP TABLES
ON SHEET 3.



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

TITLE: RTS-4301 STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
ELEVATIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

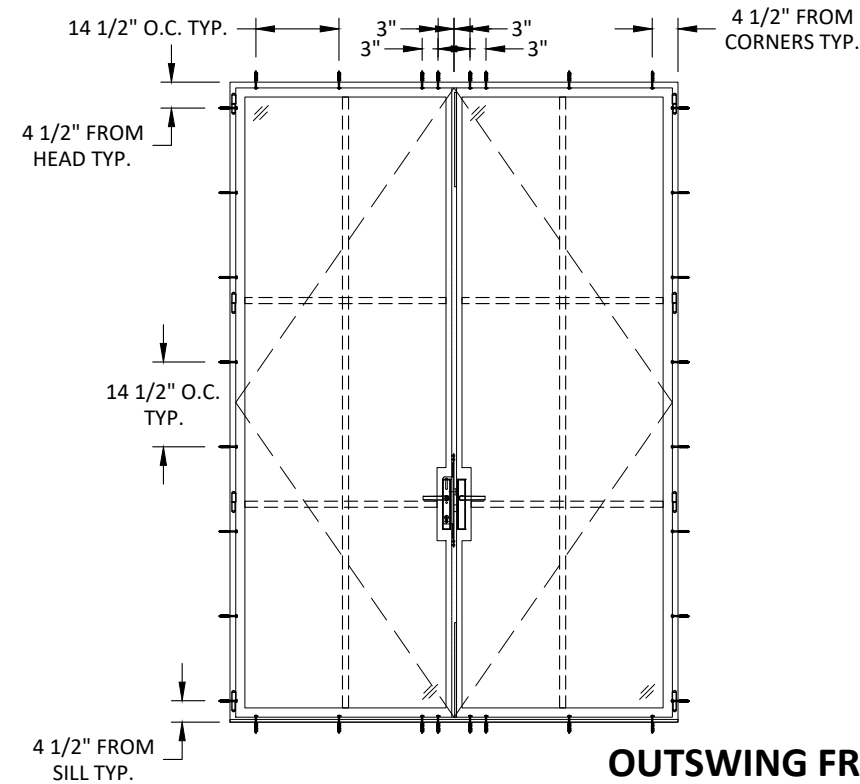
REMARKS	BY	DATE
MISC. REVISION	MS	01/26

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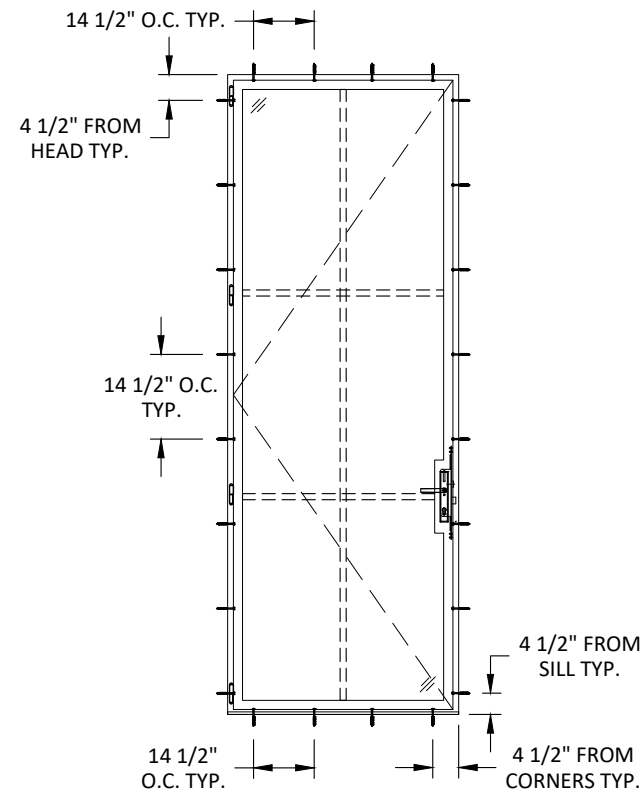
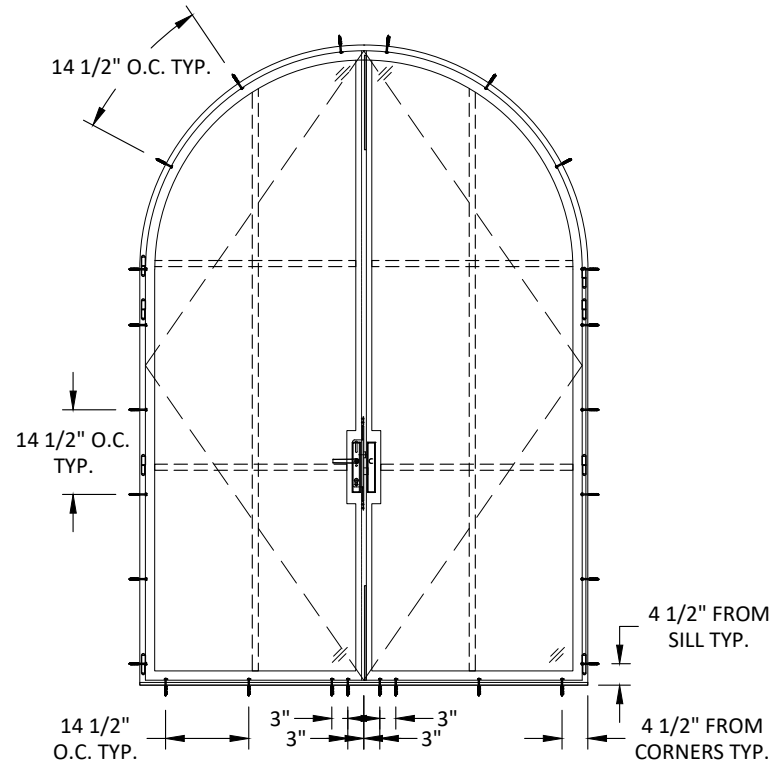


FL35023

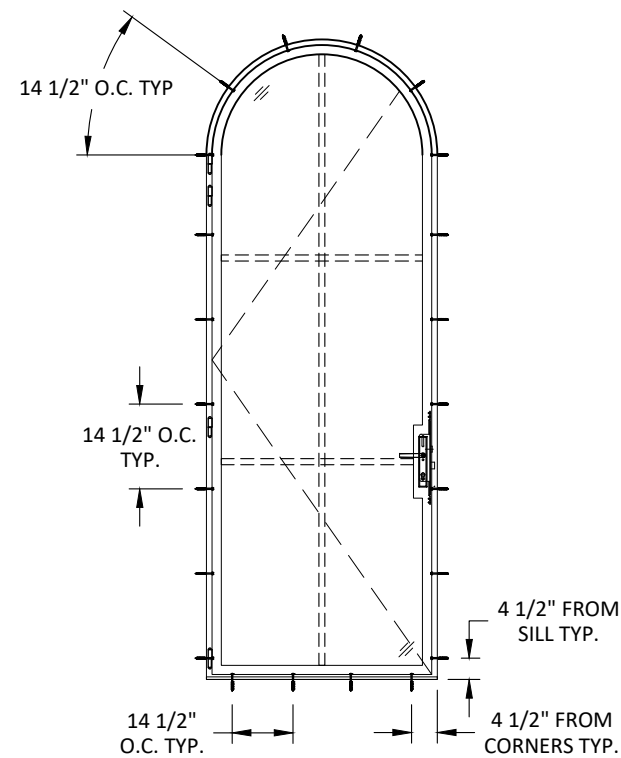
DATE: 02.12.2025	
DWG. BY: DB	CHK. BY: HFN
SCALE: NTS	
DWG. #: OPW017	
SHEET:	OF 19



OUTSWING FRENCH DOOR
ANCHOR LAYOUT



OUTSWING SINGLE DOOR
ANCHOR LAYOUT



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

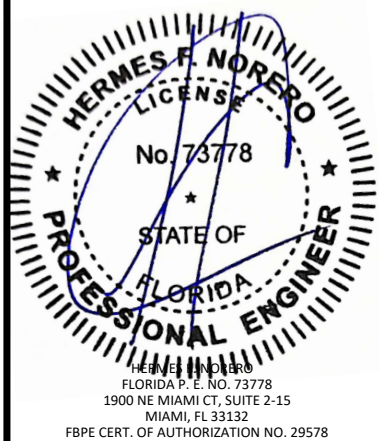
TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
ANCHOR LAYOUTS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



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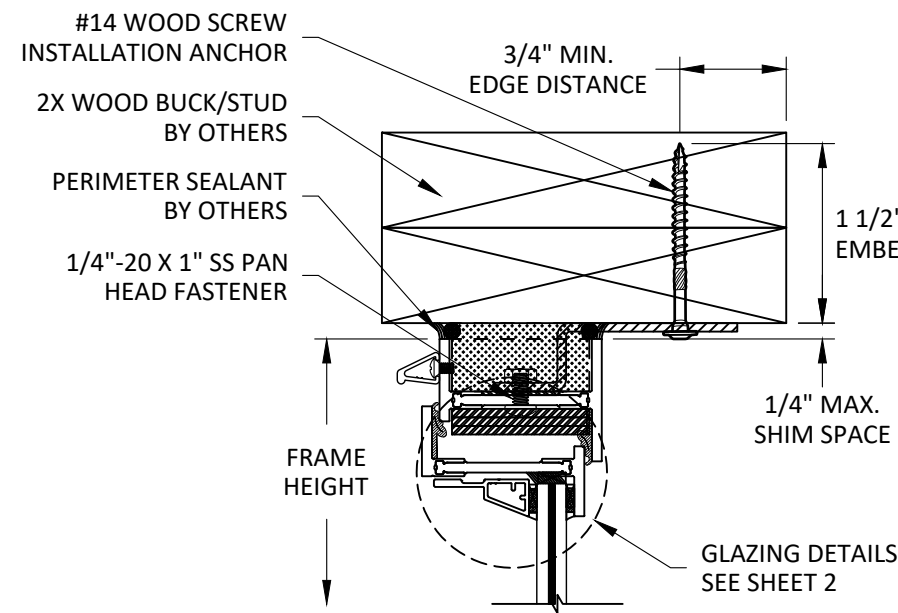
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DWG. BY: DB	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: **OPW017**

SHEET: **5** OF 19

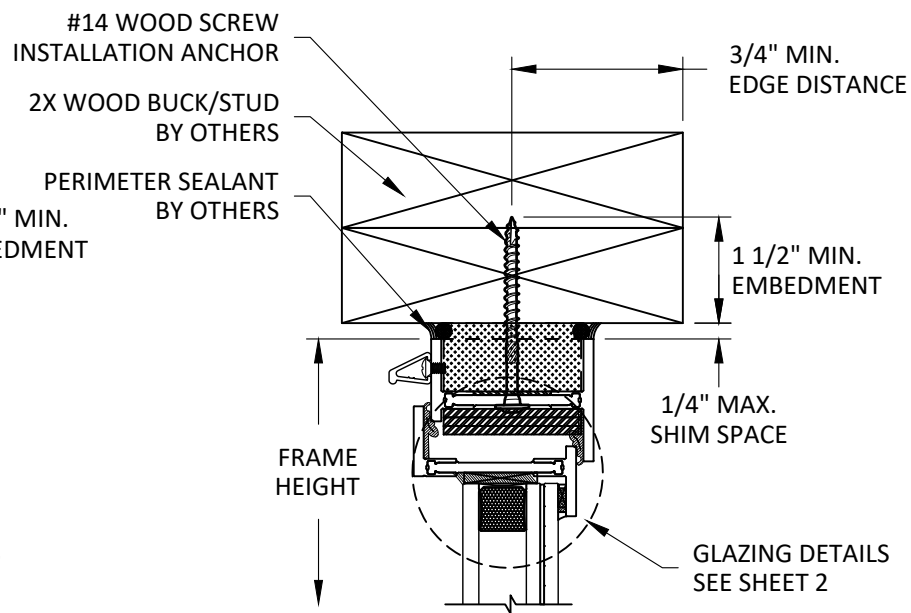


EXTERIOR

INTERIOR

A 6 VERTICAL SECTION

HEAD - 2X WOOD BUCK
STRAP INSTALLATION
LONG LEG FRAME

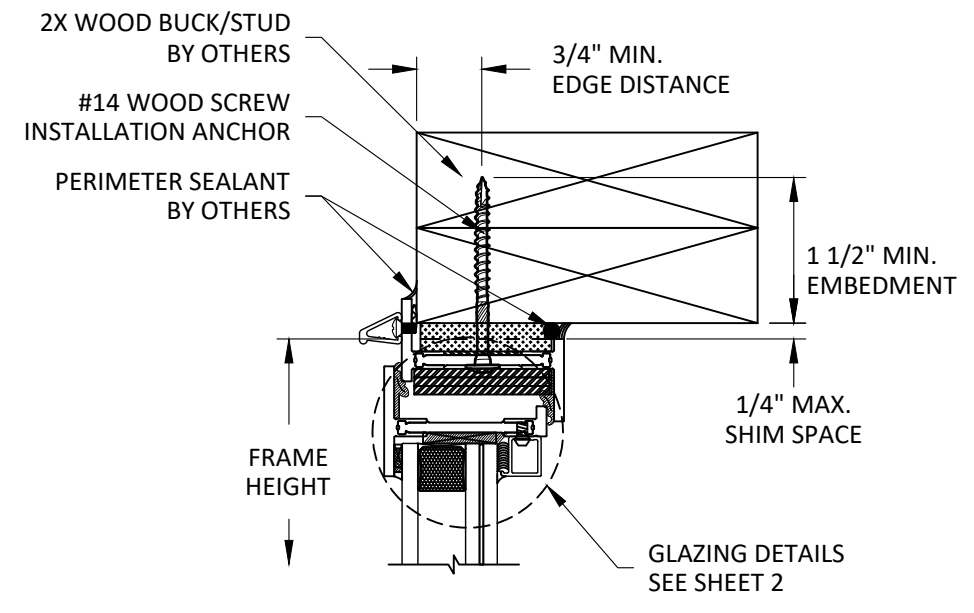


EXTERIOR

INTERIOR

B 6 VERTICAL SECTION

HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG FRAME



EXTERIOR

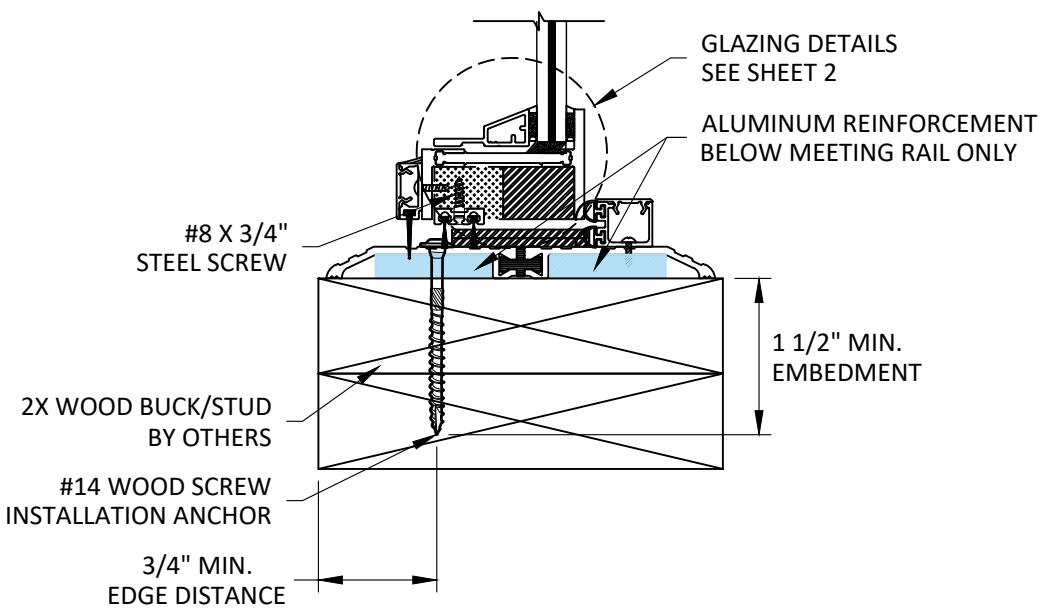
INTERIOR

C 6 VERTICAL SECTION

HEAD - 2X WOOD BUCK
FLANGE INSTALLATION
UNEQUAL LEG FRAME

EXTERIOR

INTERIOR



D 6 VERTICAL SECTION

SILL - 2X WOOD BUCK



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

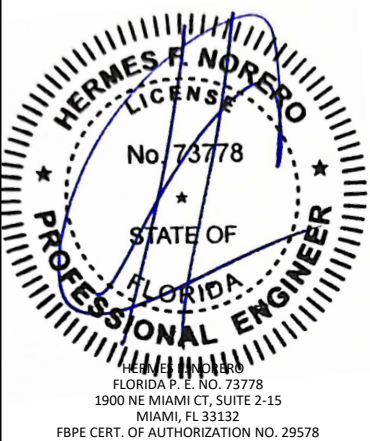
TITLE: RTS-430i STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
VERTICAL SECTIONS -
2X WOOD BUCK

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
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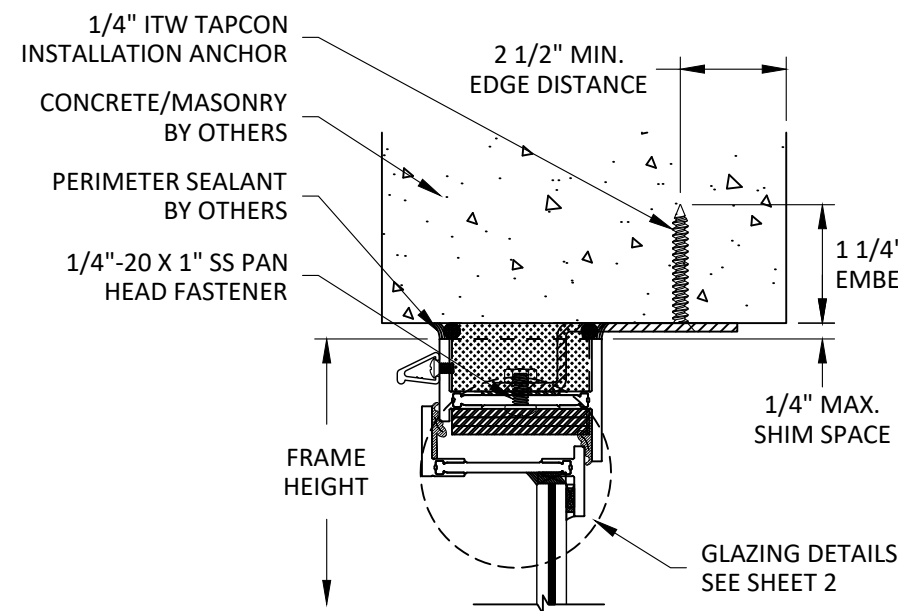
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CHK. BY: HFN

SCALE: NTS

DWG. #: OPW017

SHEET: OF 19

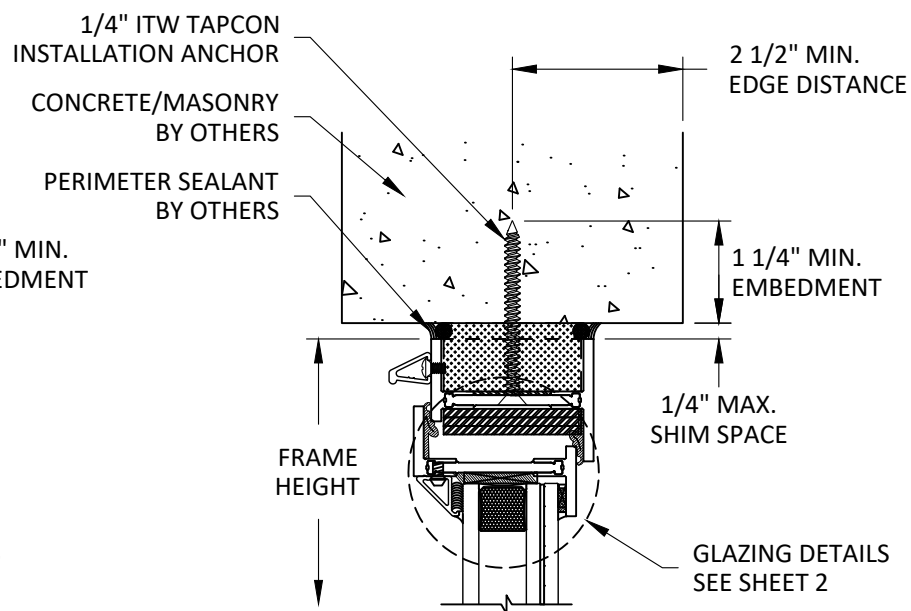
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EXTERIOR

INTERIOR

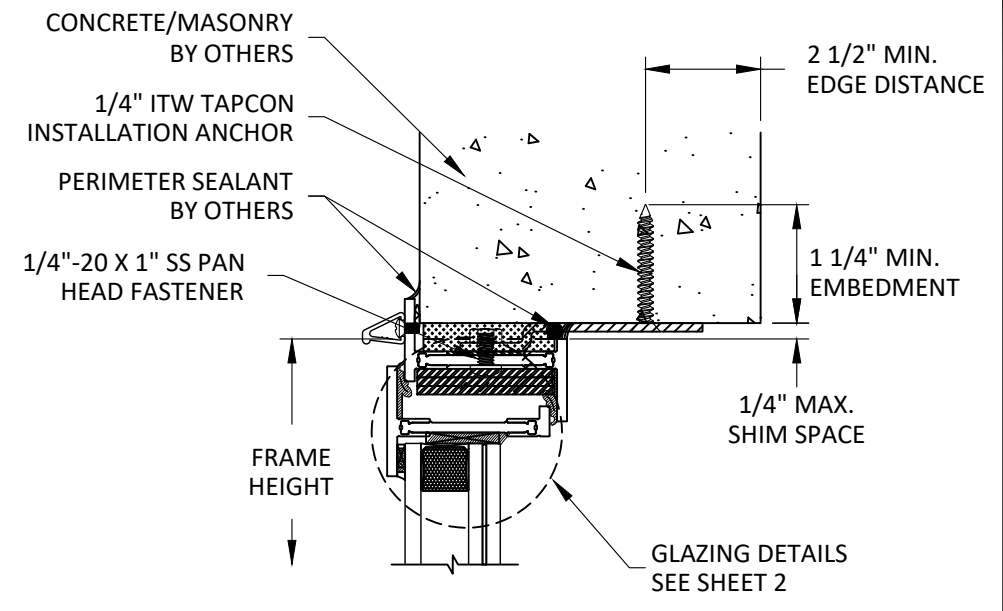
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7 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
STRAP INSTALLATION
LONG LEG FRAME



EXTERIOR

INTERIOR

B
7 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG FRAME



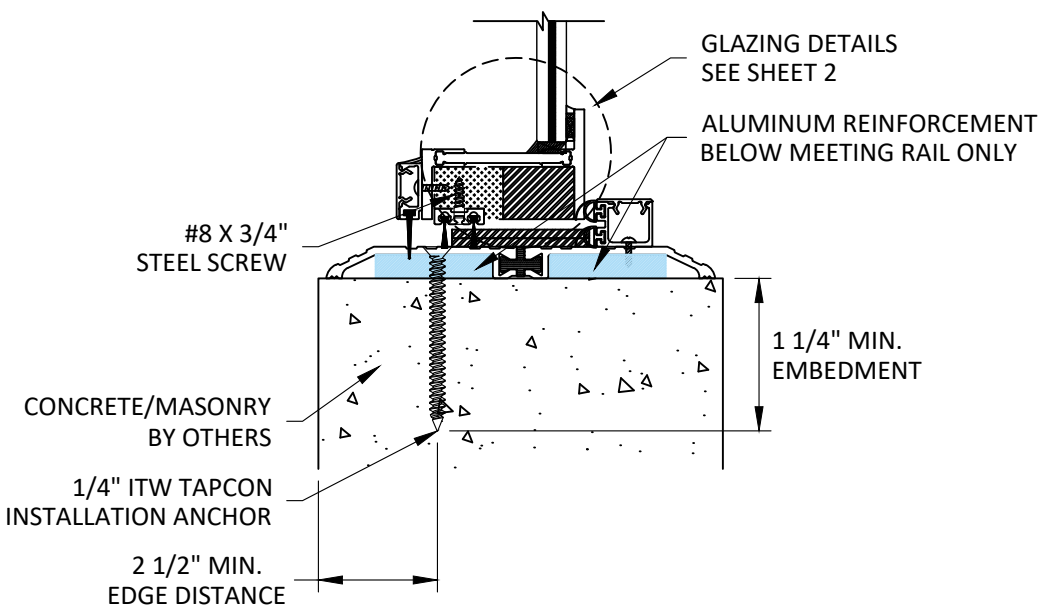
EXTERIOR

INTERIOR

C
7 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
FLANGE/STRAP INSTALLATION
UNEQUAL LEG FRAME

EXTERIOR

INTERIOR



D
7 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

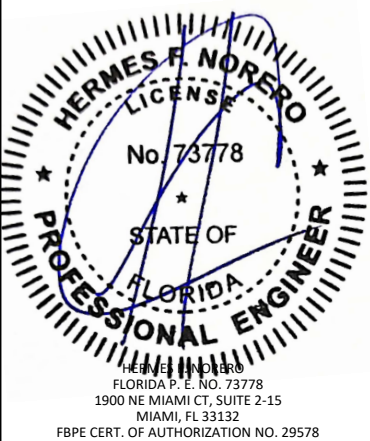
TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
VERTICAL SECTIONS -
CONCRETE/MASONRY

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
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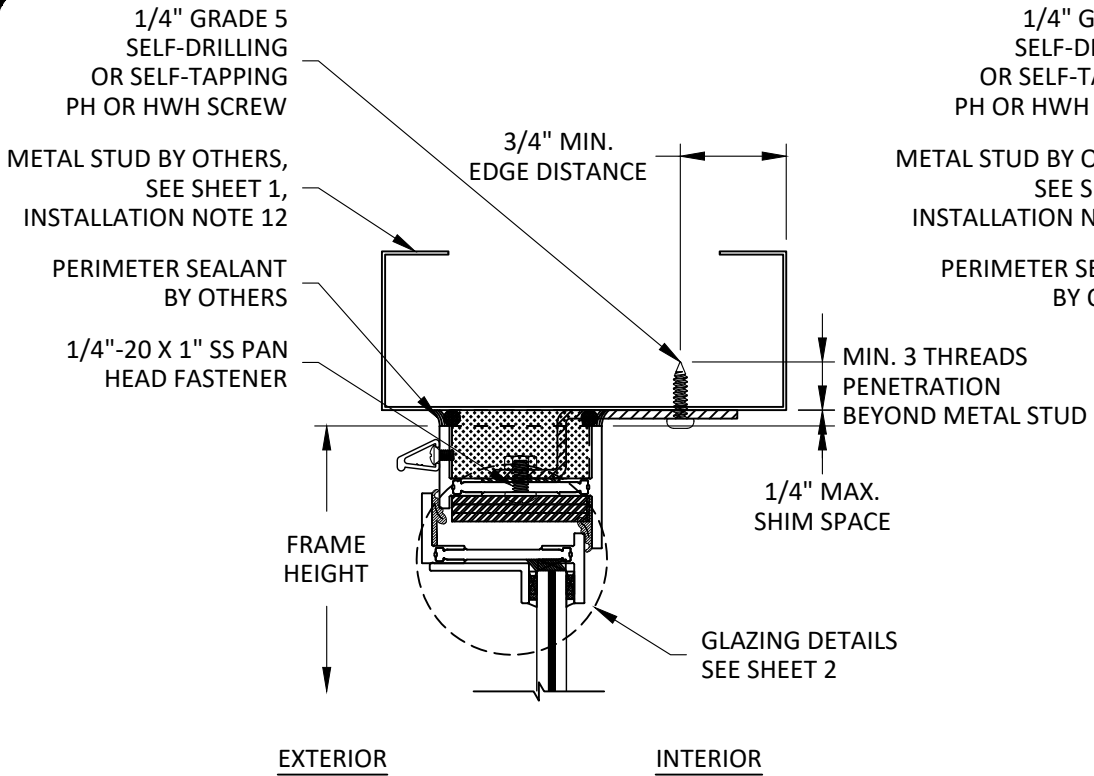
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CHK. BY: HFN

SCALE: NTS

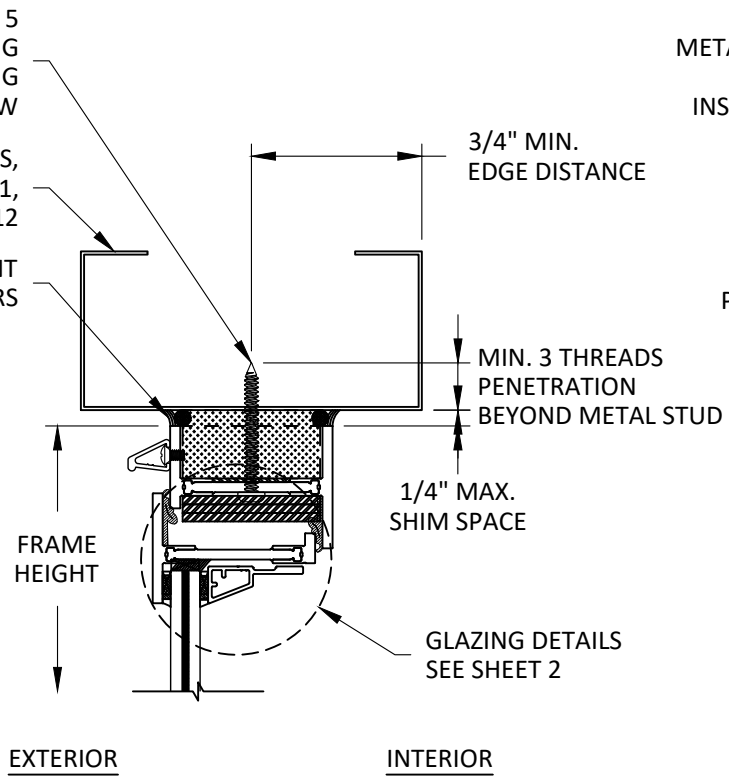
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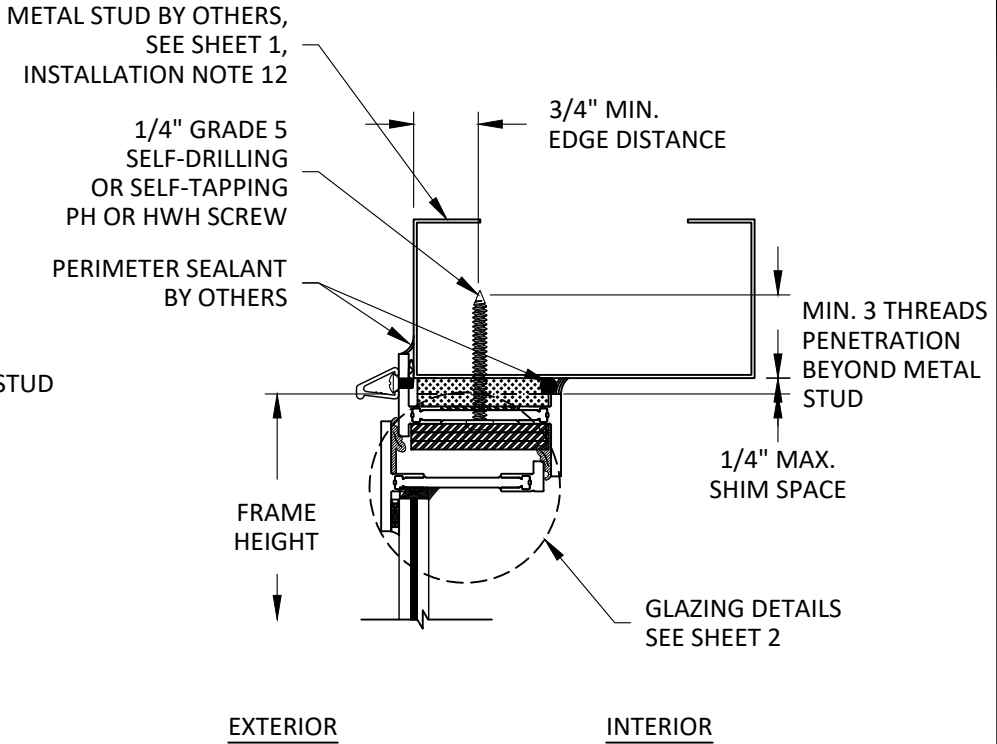
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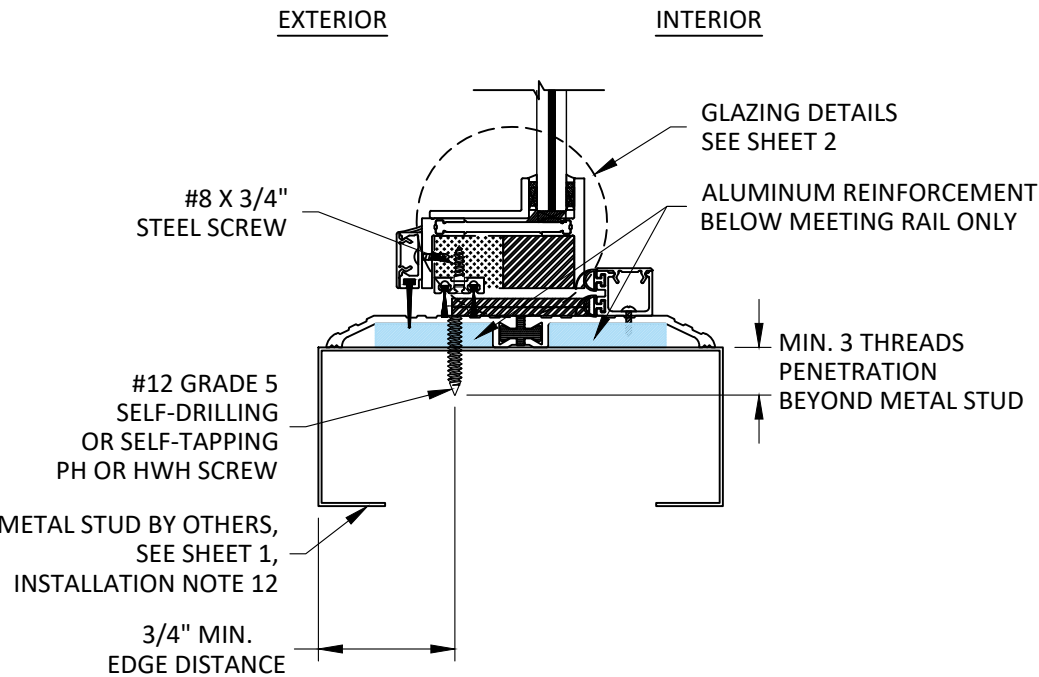
A
8 **VERTICAL SECTION**
HEAD - METAL STUD
STRAP INSTALLATION
LONG LEG FRAME



B
8 **VERTICAL SECTION**
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG FRAME



C
8 **VERTICAL SECTION**
HEAD - METAL STUD
FLANGE INSTALLATION
UNEQUAL LEG FRAME



D
8 **VERTICAL SECTION**
SILL - METAL STUD



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

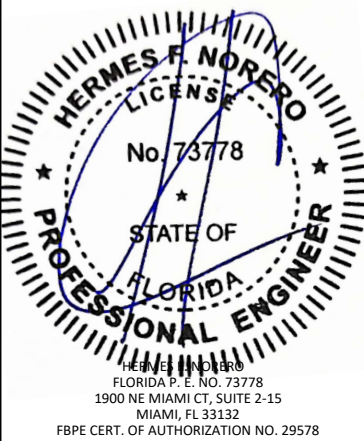
TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)(IMPACT)
VERTICAL SECTIONS -
METAL STUD

PREPARED BY:
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DATE: 02.12.2025	
DWG. BY: DB	CHK. BY: HFN
SCALE: NTS	
DWG. #: OPW017	
SHEET:	OF 19



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

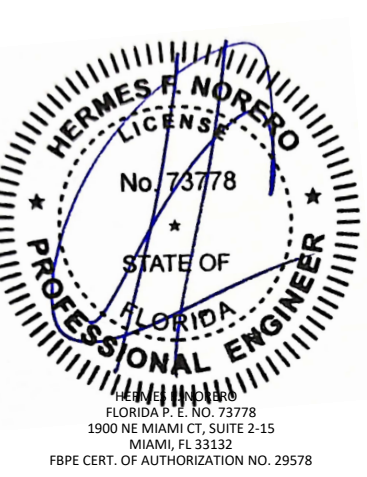
TITLE: RTS-430I STAINLESS STEEL FRENCH DOOR (WZ3)(IMPACT)

HORIZONTAL SECTIONS - 2X WOOD BUCK & CENTER STILES

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FAX: (954) 744-4738
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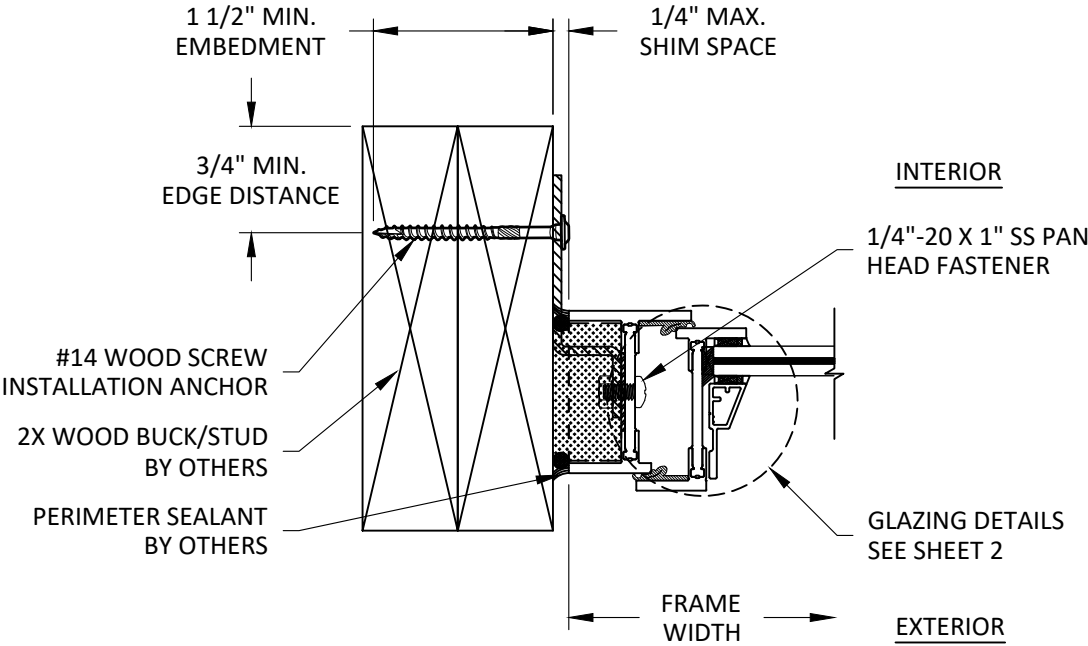
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CHK. BY: HFN

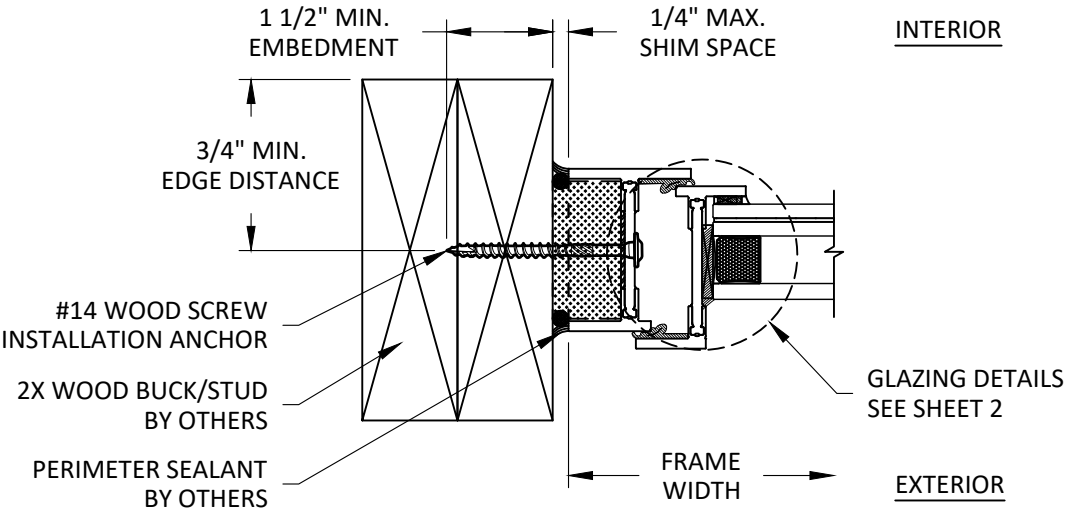
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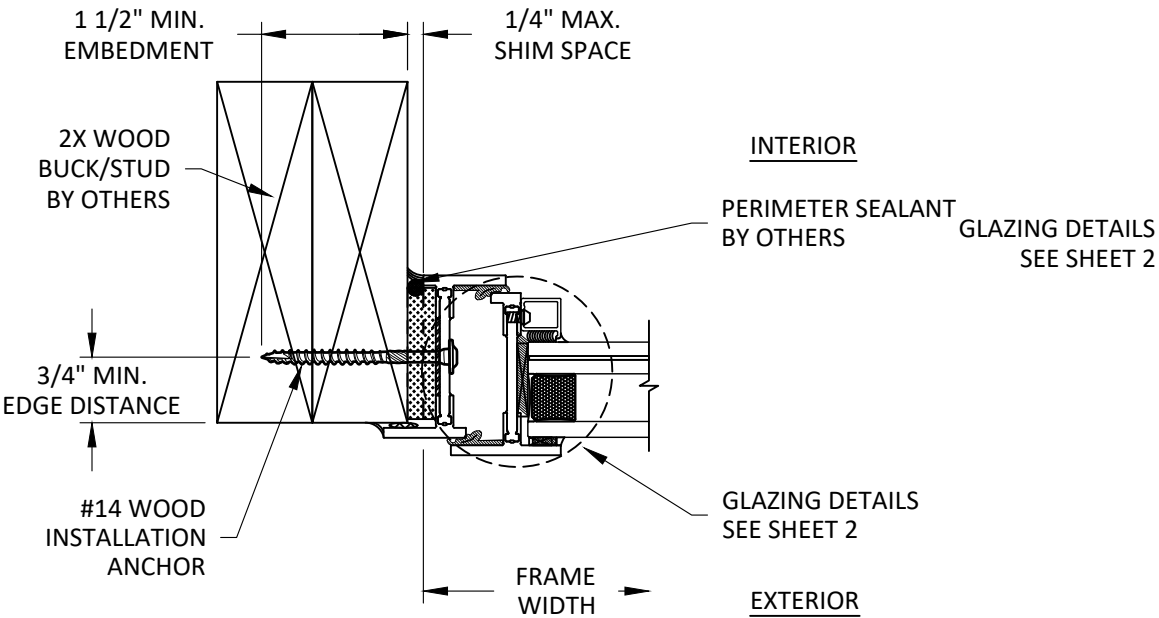
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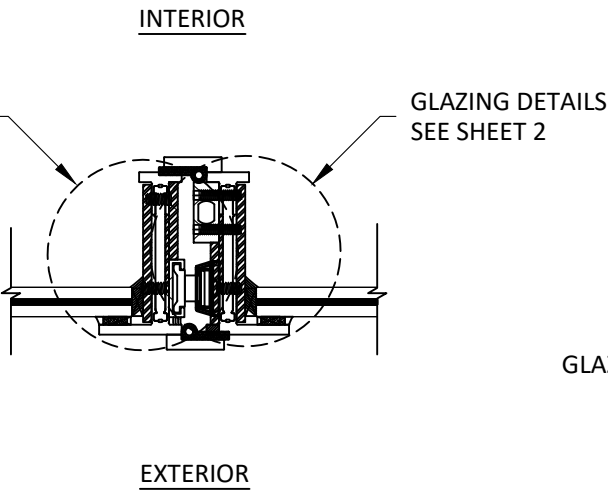
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9 JAMB - 2X WOOD BUCK STRAP INSTALLATION LONG LEG FRAME



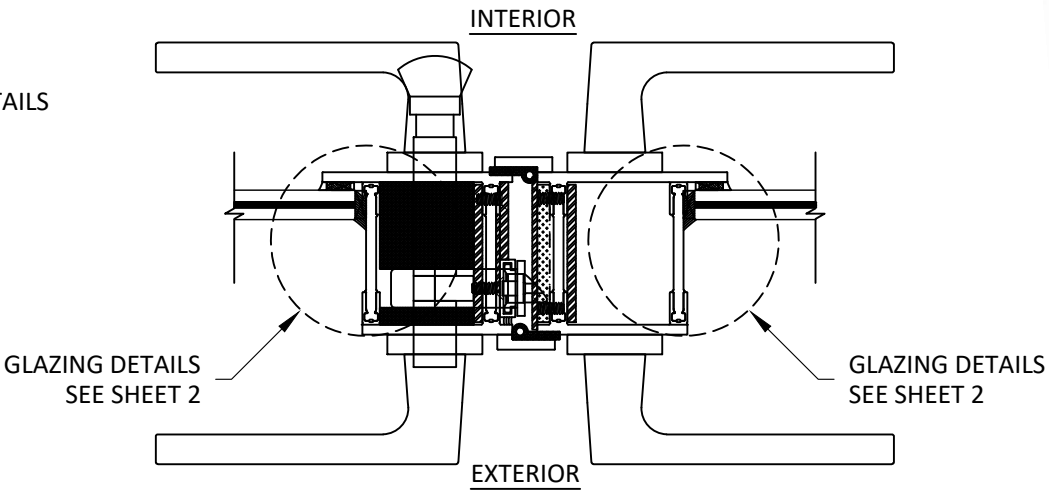
B HORIZONTAL SECTION
9 JAMB - 2X WOOD BUCK THROUGH FRAME INSTALLATION LONG LEG FRAME



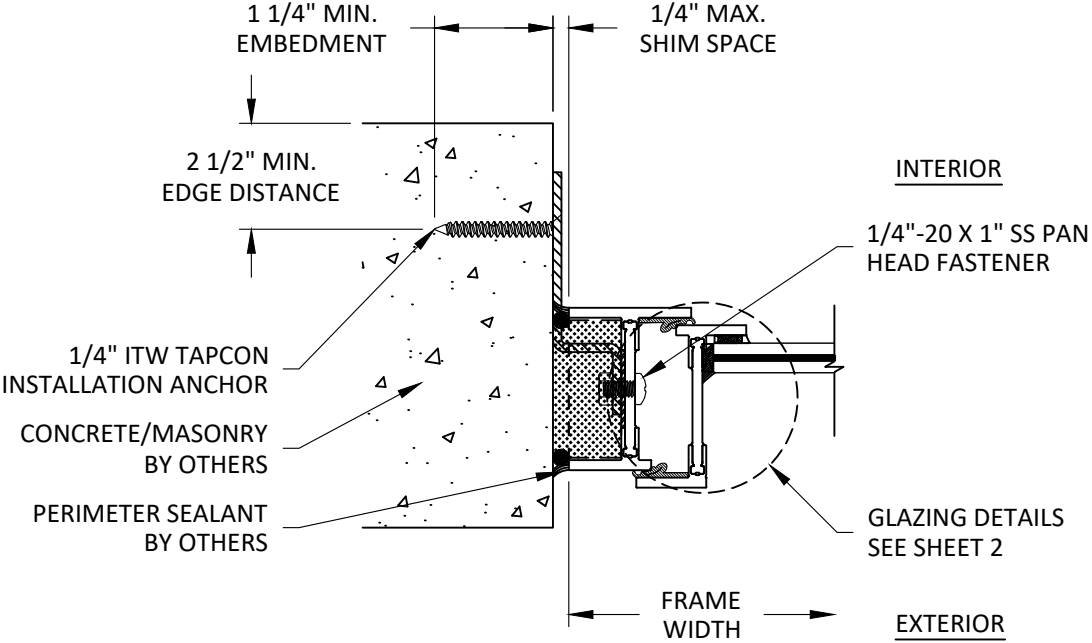
C HORIZONTAL SECTION
9 JAMB - 2X WOOD BUCK FLANGE INSTALLATION UNEQUAL LEG FRAME



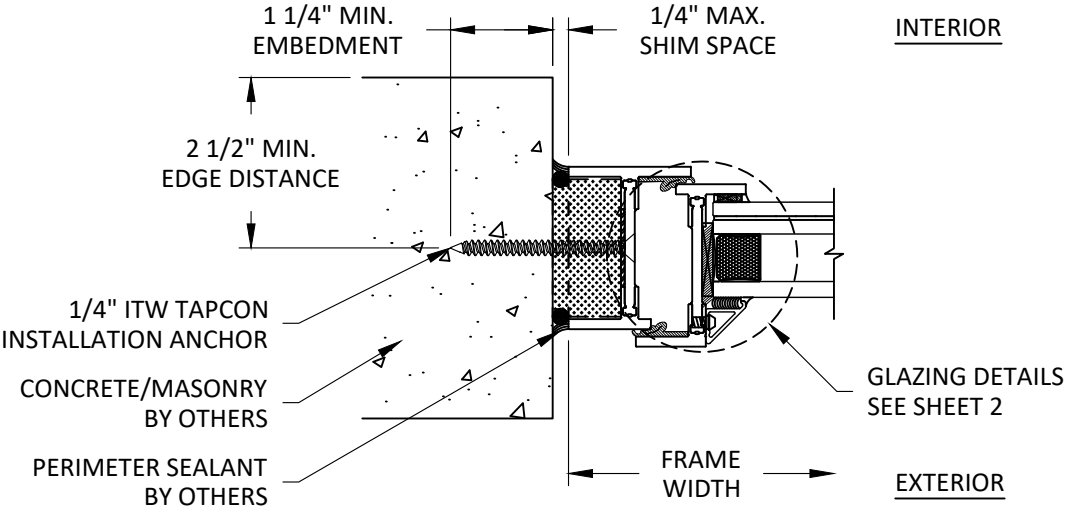
D HORIZONTAL SECTION
9 MEETING STILE INTERIOR GLAZED



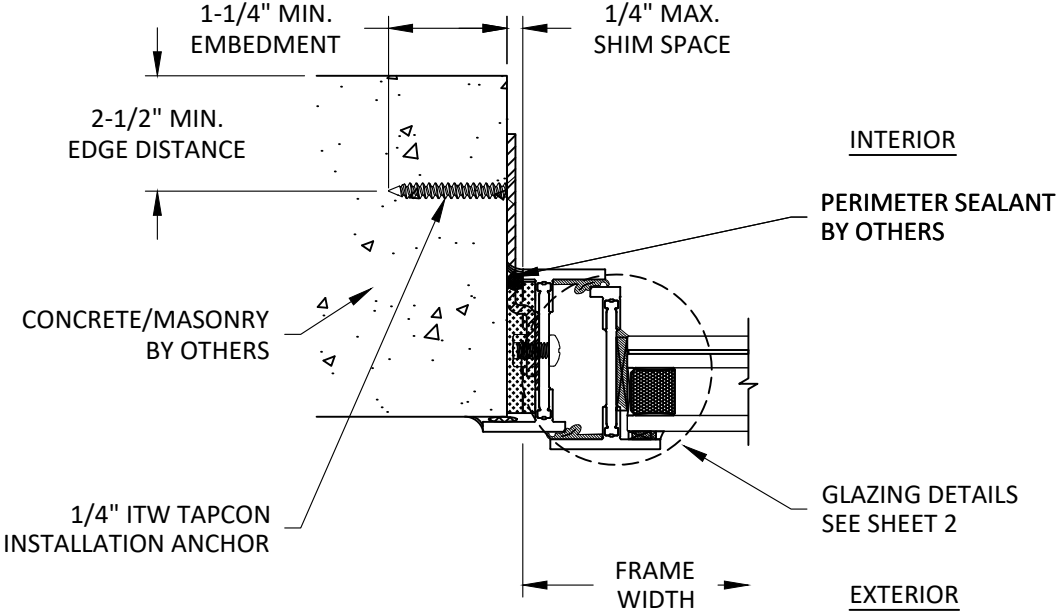
E HORIZONTAL SECTION
9 MEETING STILE EXTERIOR GLAZED



A HORIZONTAL SECTION
10 JAMB - CONCRETE/MASONRY
STRAP INSTALLATION
LONG LEG FRAME



B HORIZONTAL SECTION
10 JAMB - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG FRAME



C HORIZONTAL SECTION
10 JAMB - CONCRETE/MASONRY
FLANGE/STRAP INSTALLATION
UNEQUAL LEG FRAME



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

TITLE: RTS-430i STAINLESS STEEL
FRENCH DOOR
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
CONCRETE/MASONRY

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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DATE: 02.12.2025

DWG. BY: DB

CHK. BY: HFN

SCALE: NTS

DWG. #: OPW017

SHEET: 10 OF 19



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

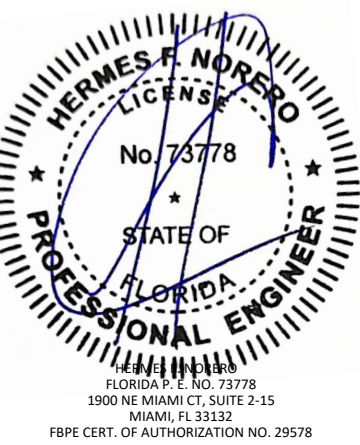
TITLE: RTS-430i STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
HORIZONTAL SECTIONS -
METAL STUD

PREPARED BY:
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MIAMI, FL 33132
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DATE: 02.12.2025

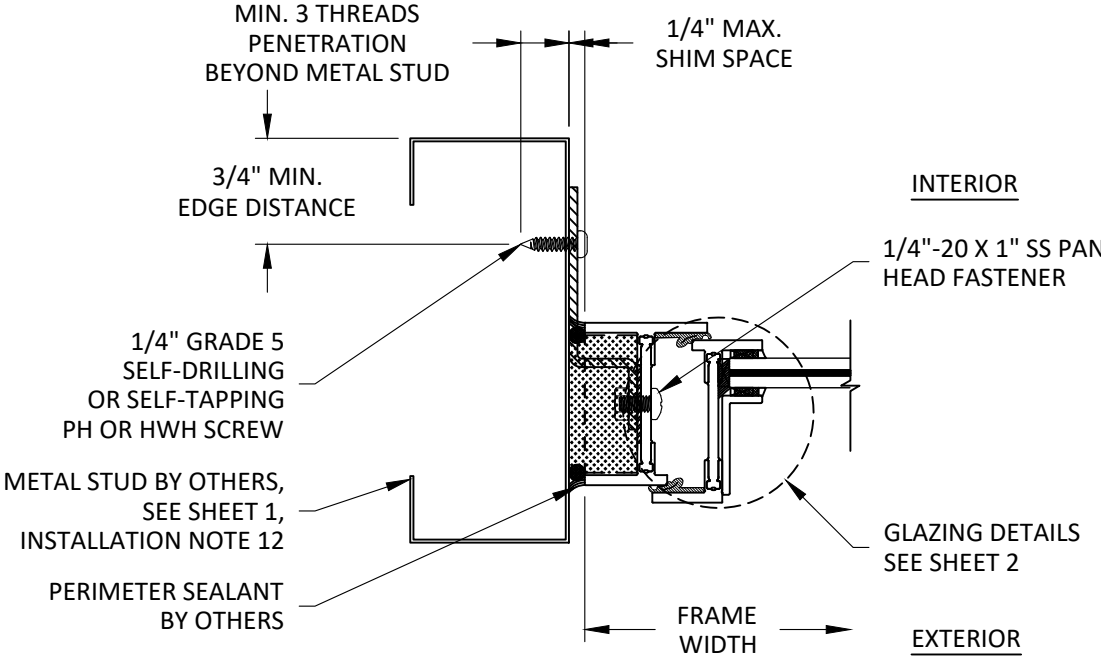
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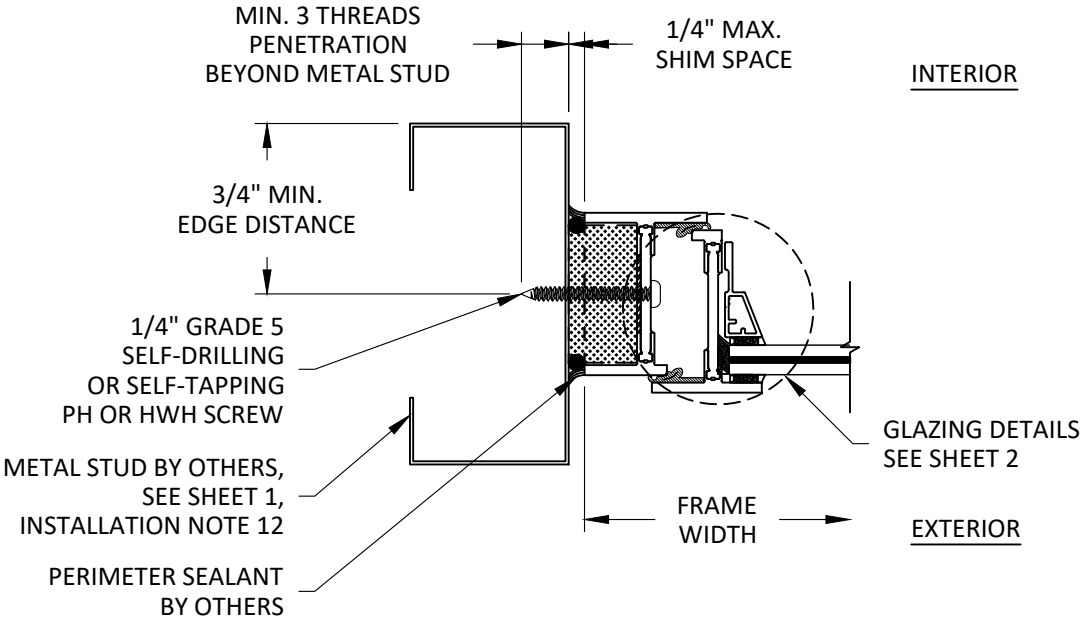
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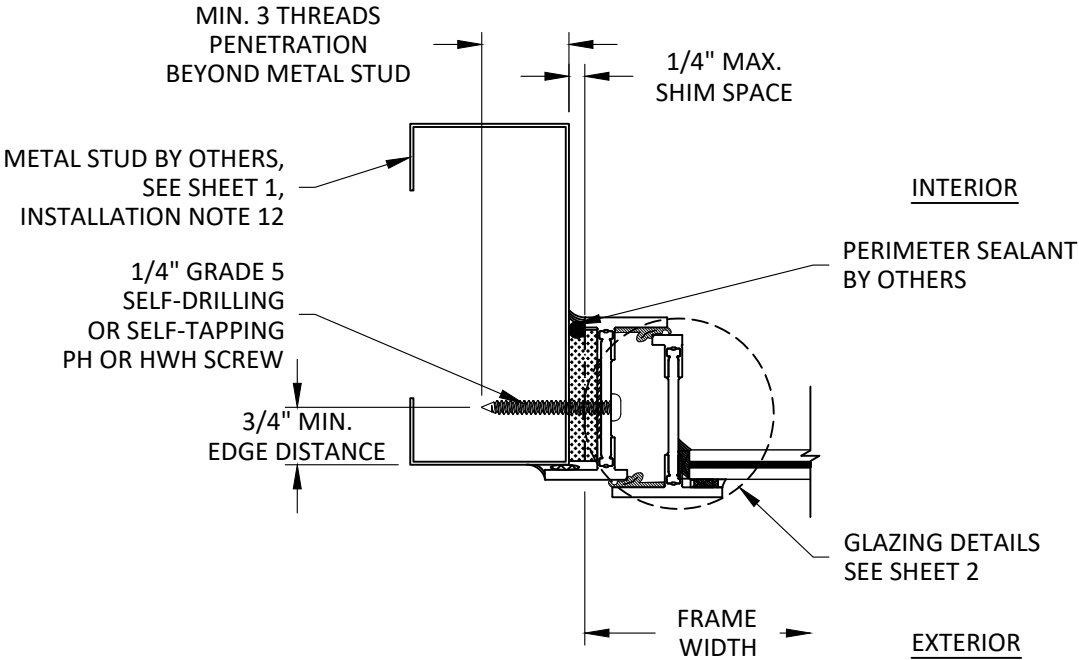
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A HORIZONTAL SECTION
11 JAMB - METAL STUD
STRAP INSTALLATION
LONG LEG FRAME



B HORIZONTAL SECTION
11 JAMB - METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG FRAME



C HORIZONTAL SECTION
11 JAMB - METAL STUD
FLANGE INSTALLATION
UNEQUAL LEG FRAME



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

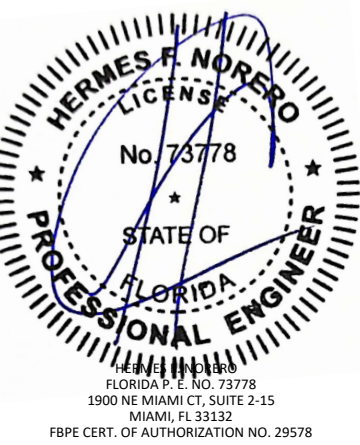
TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
HORIZONTAL SECTIONS -
2X WOOD BUCK

PREPARED BY:
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DATE: 02.12.2025

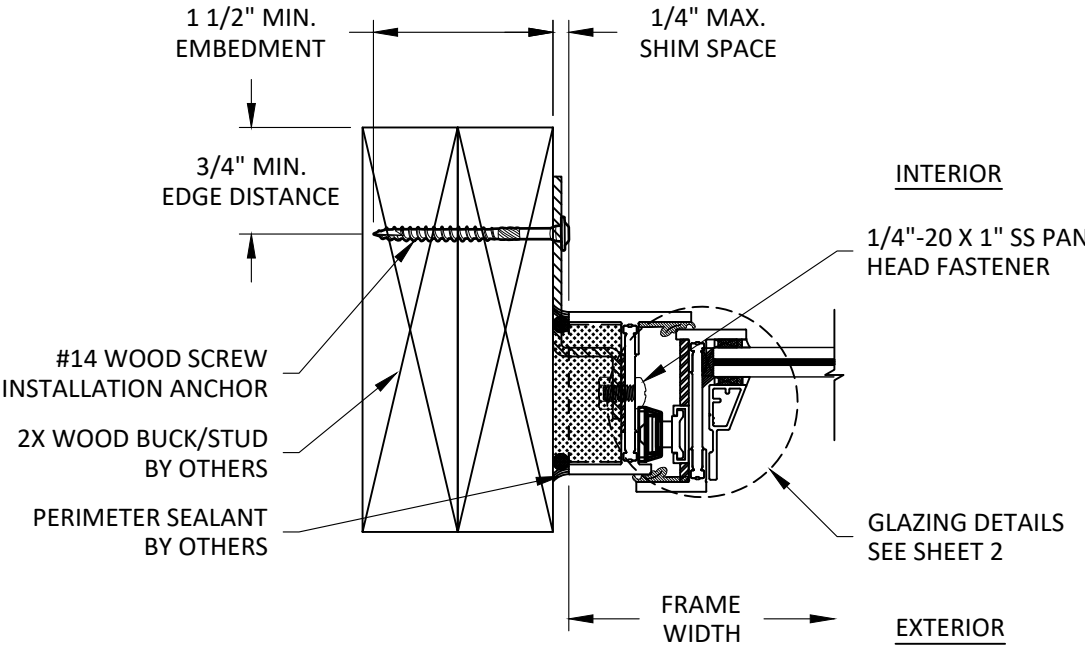
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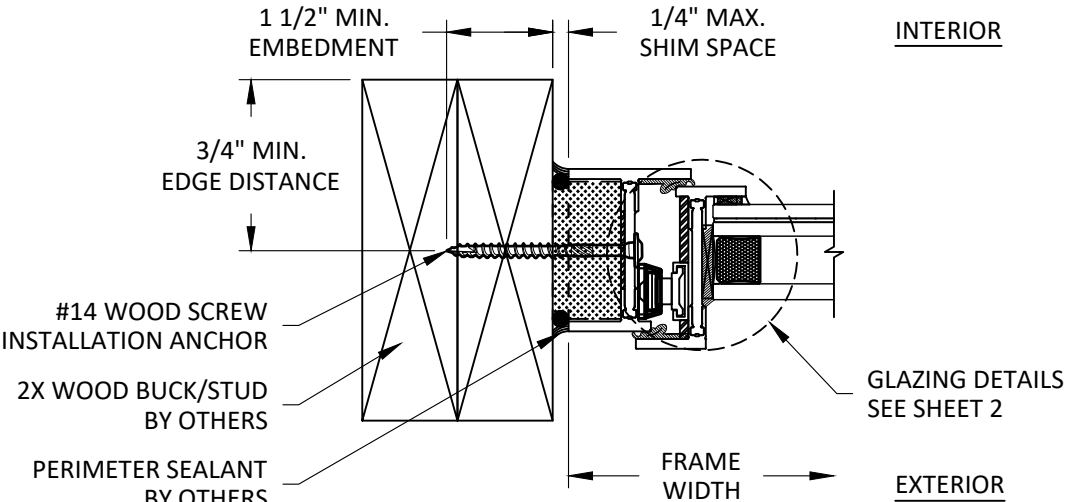
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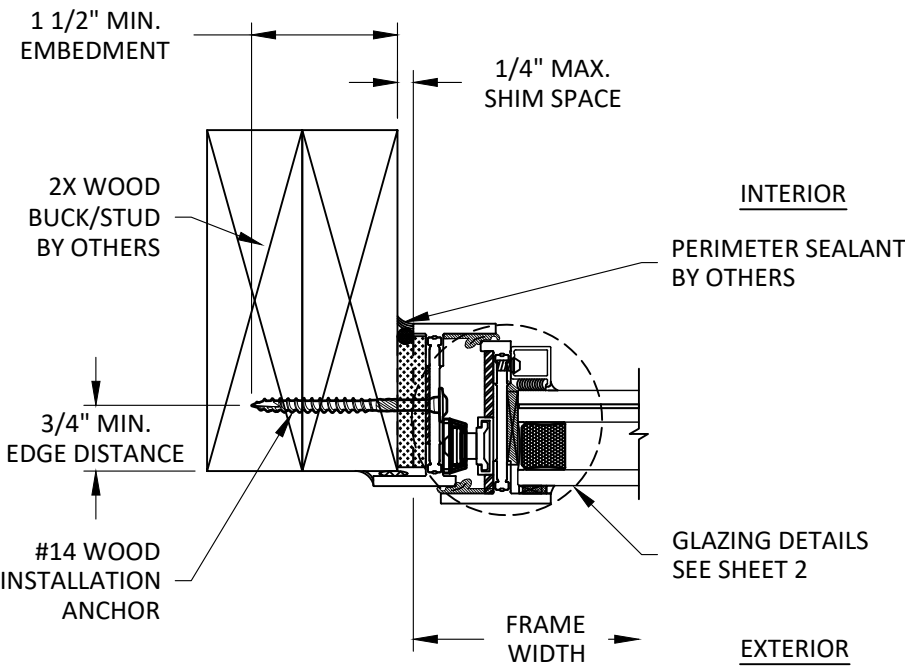
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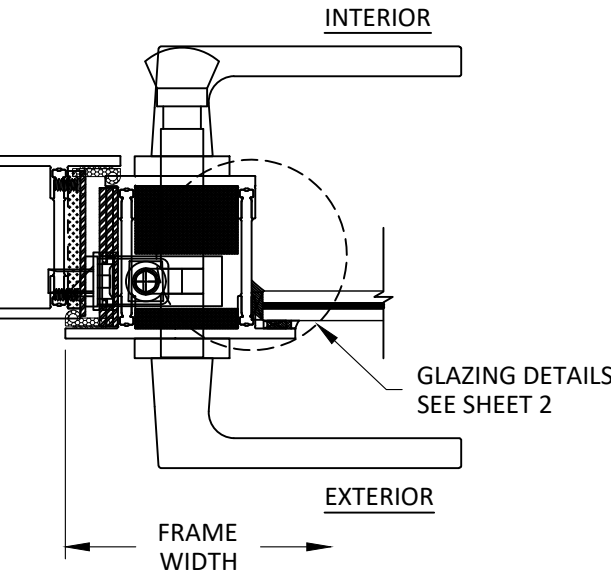
A HORIZONTAL SECTION
12 JAMB - 2X WOOD BUCK
STRAP INSTALLATION
LONG LEG FRAME



B HORIZONTAL SECTION
12 JAMB - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG FRAME



C HORIZONTAL SECTION
12 JAMB - 2X WOOD BUCK
FLANGE INSTALLATION
UNEQUAL LEG FRAME



D HORIZONTAL SECTION
12 JAMB - LOCKBOX
TYPICAL DETAIL



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845) 647-1900 FX: (845) 647-1494

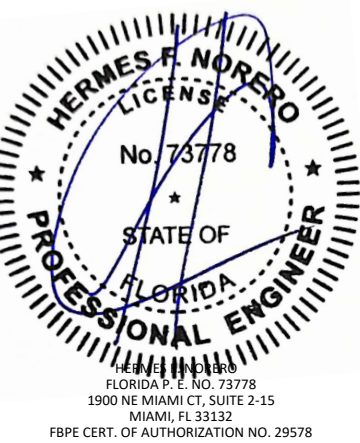
TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
CONCRETE/MASONRY

PREPARED BY:
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MIAMI, FL 33132
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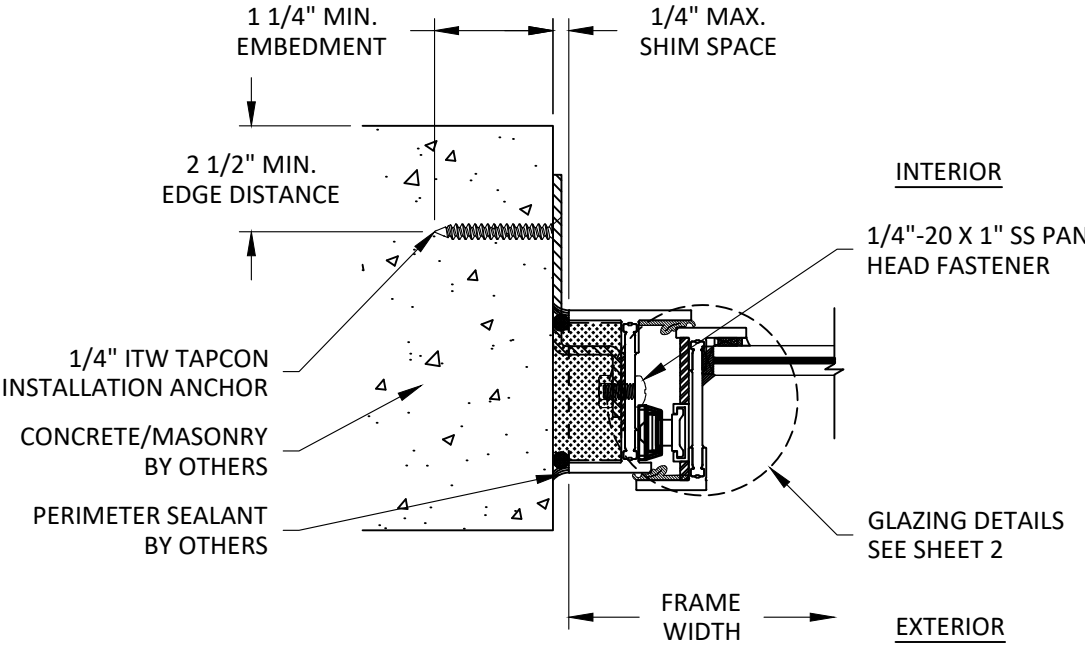
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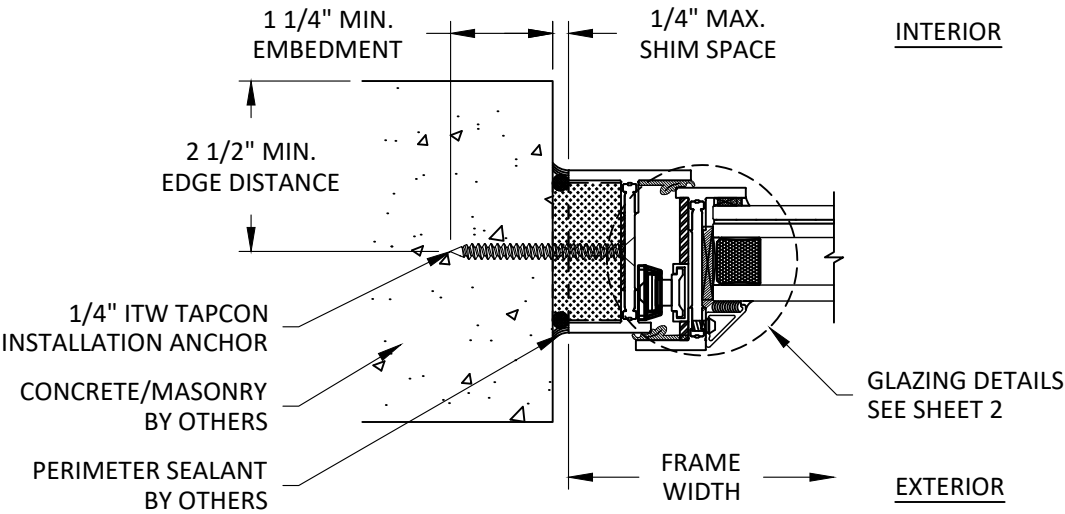
DWG. #: OPW017

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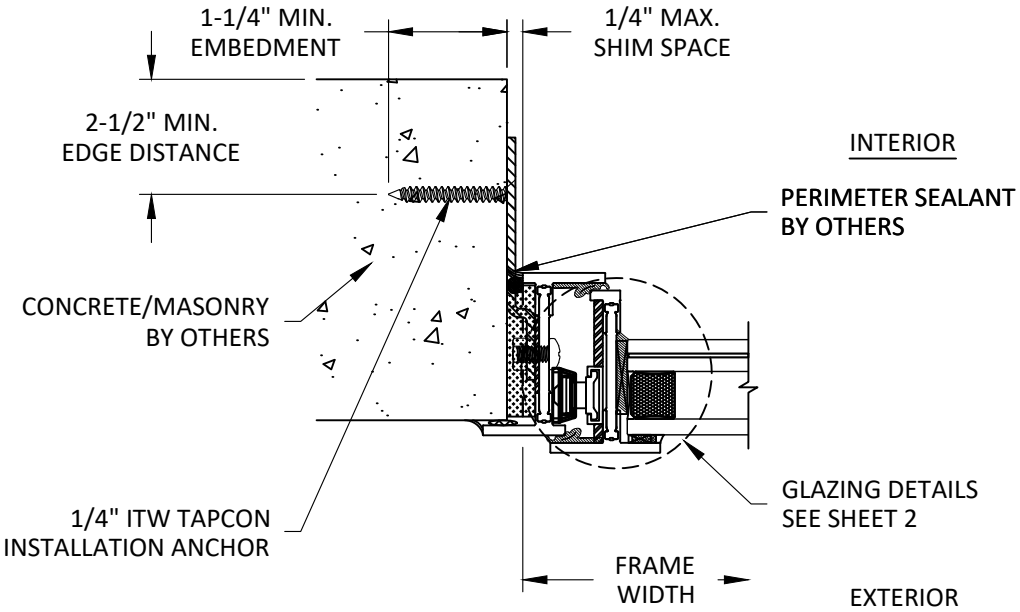
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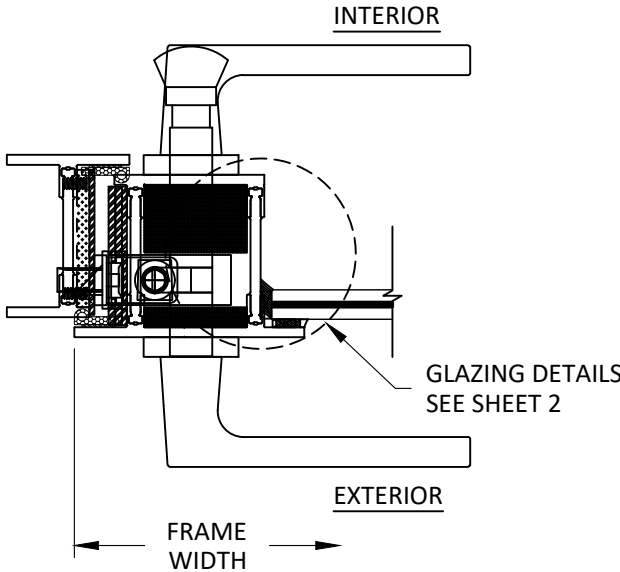
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13 JAMB - CONCRETE/MASONRY
STRAP INSTALLATION
LONG LEG FRAME



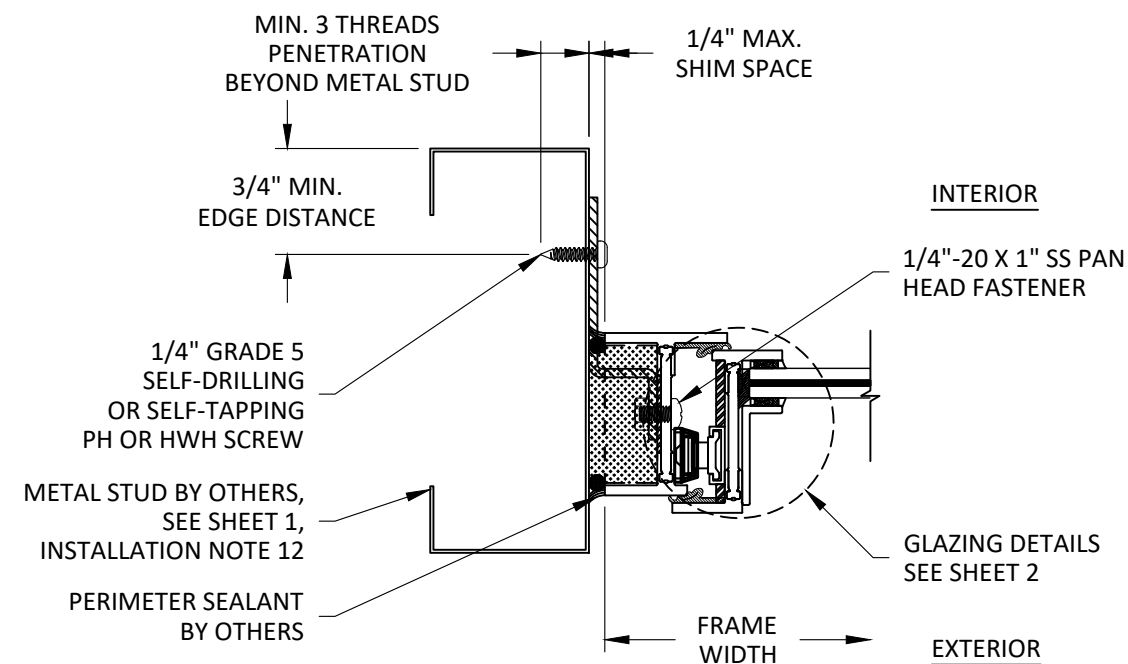
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13 JAMB - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG FRAME



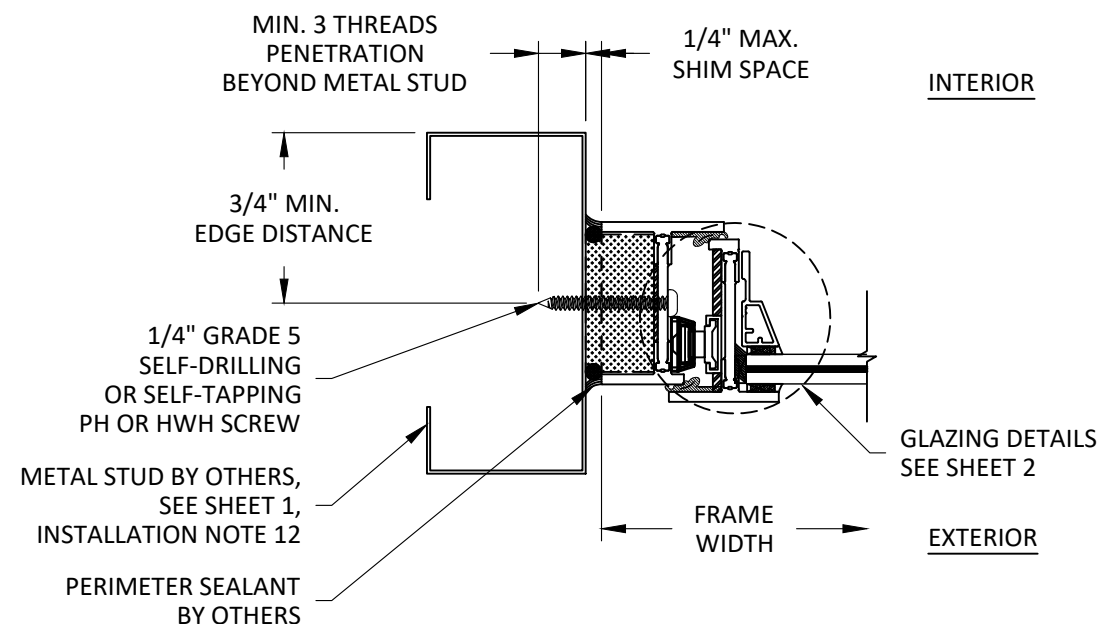
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13 JAMB - CONCRETE/MASONRY
FLANGE/STRAP INSTALLATION
UNEQUAL LEG FRAME



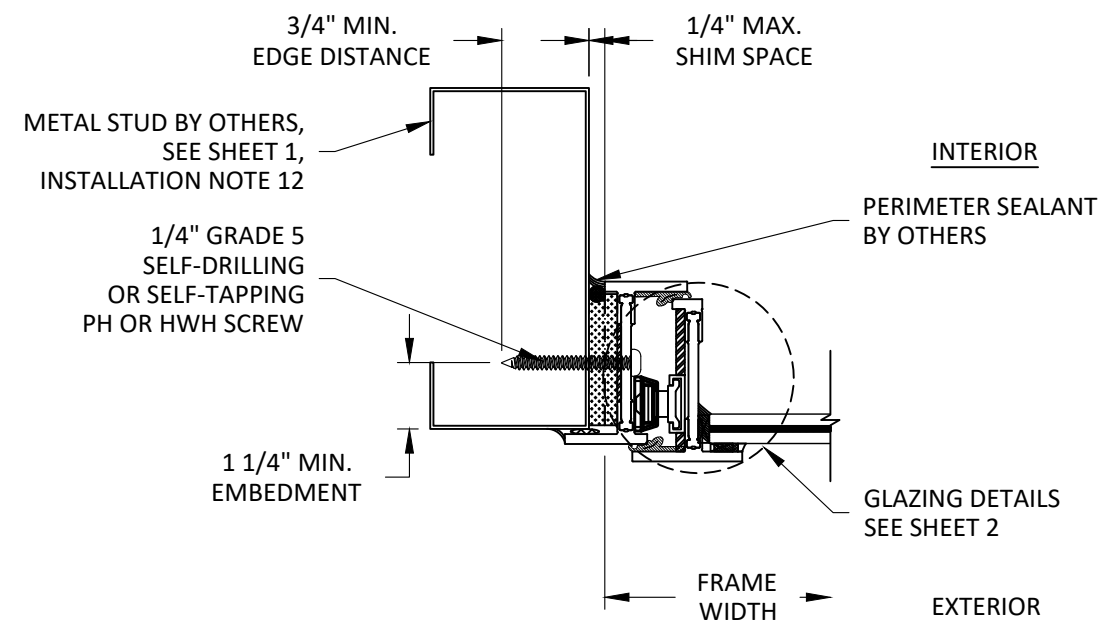
D HORIZONTAL SECTION
13 JAMB - LOCKBOX
TYPICAL DETAIL



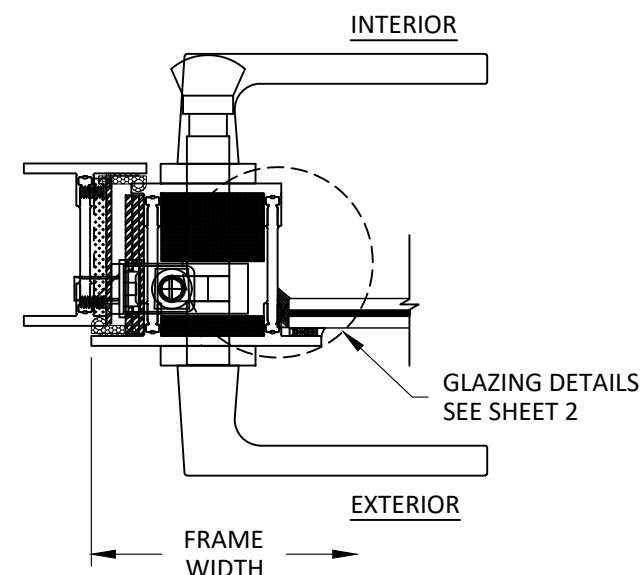
A HORIZONTAL SECTION
14 JAMB - METAL STUD STRAP INSTALLATION LONG LEG FRAME



B HORIZONTAL SECTION
14 JAMB - METAL STUD THROUGH FRAME INSTALLATION LONG LEG FRAME



C HORIZONTAL SECTION
14 JAMB - METAL STUD FLANGE INSTALLATION UNEQUAL LEG FRAME



D HORIZONTAL SECTION
14 JAMB - LOCKBOX TYPICAL DETAIL



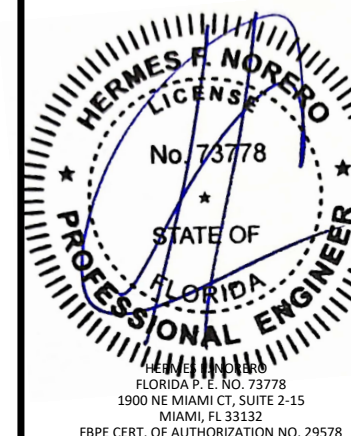
OPTIMUM STEEL WINDOWS AND DOORS
 28 CANAL STREET
 ELLENVILLE, NY 12428
 PH: (845) 647-1900 FX: (845) 647-1494

TITLE: RTS-430i STAINLESS STEEL FRENCH DOOR (WZ3)/(IMPACT) HORIZONTAL SECTIONS - METAL STUD

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 1900 NE MIAMI CT, SUITE 2-15
 MIAMI, FL 33132
 PH: (954) 399-8478
 FAX: (954) 744-4738
 WEB: www.buildingdrops.com

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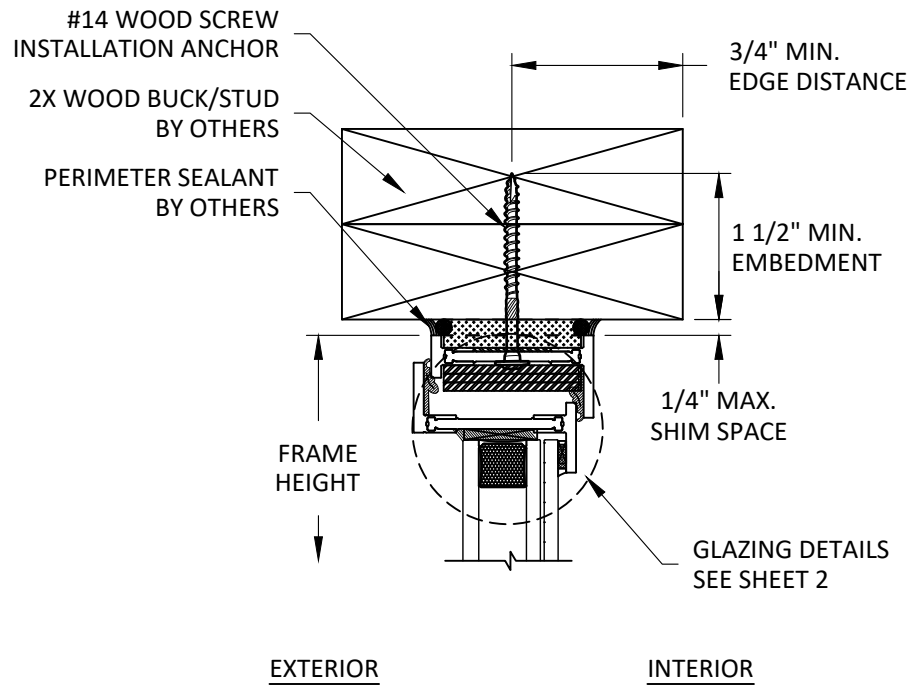
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SCALE: NTS

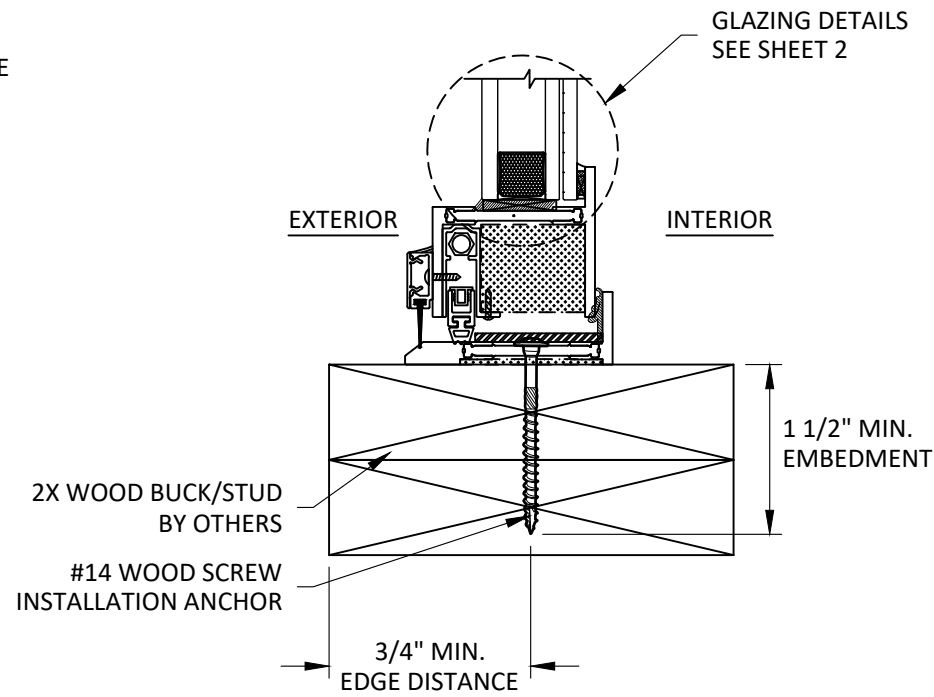
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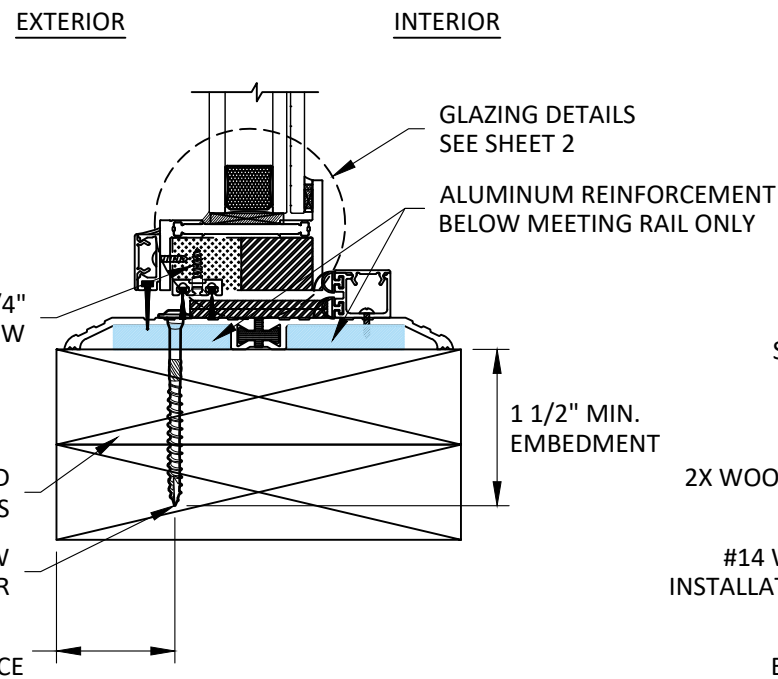
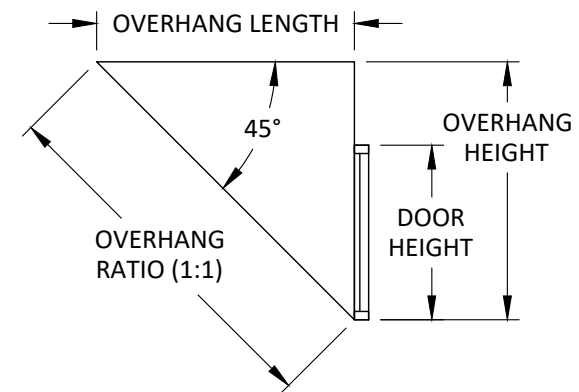


A
15 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
SHORT LEG FRAME

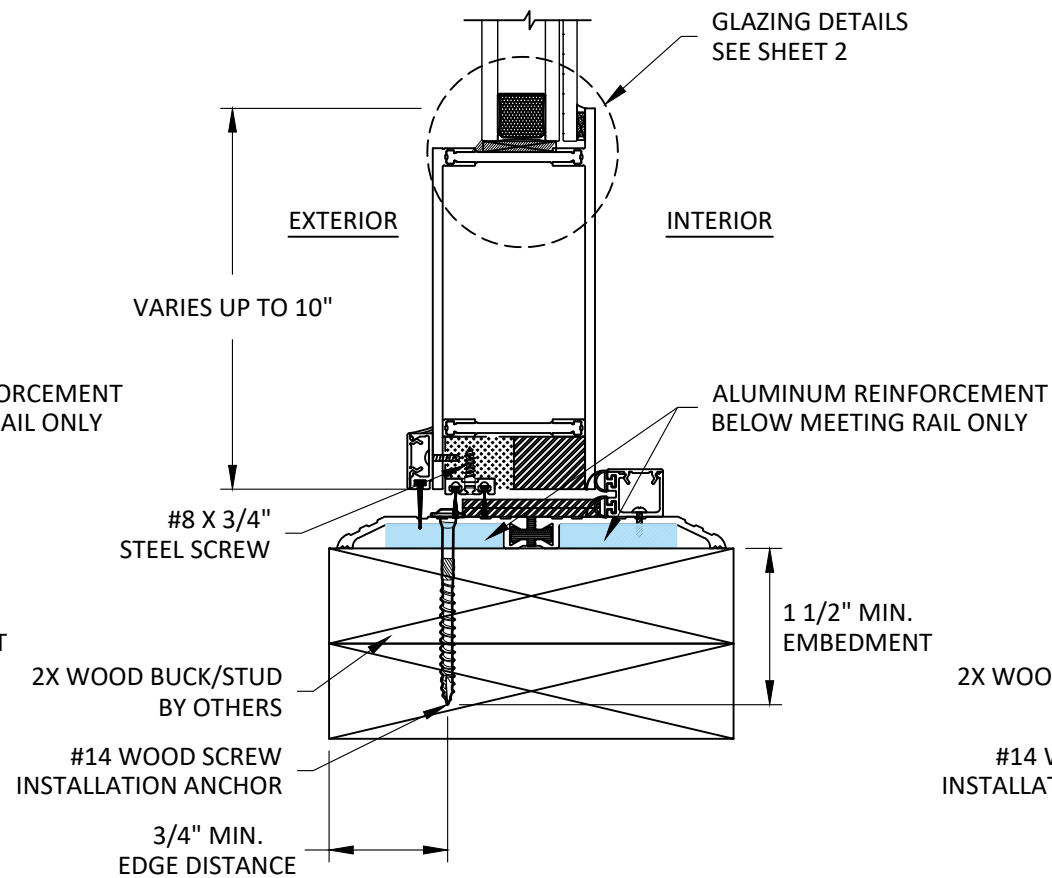


C
15 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
OPTIONAL THRESHOLD*

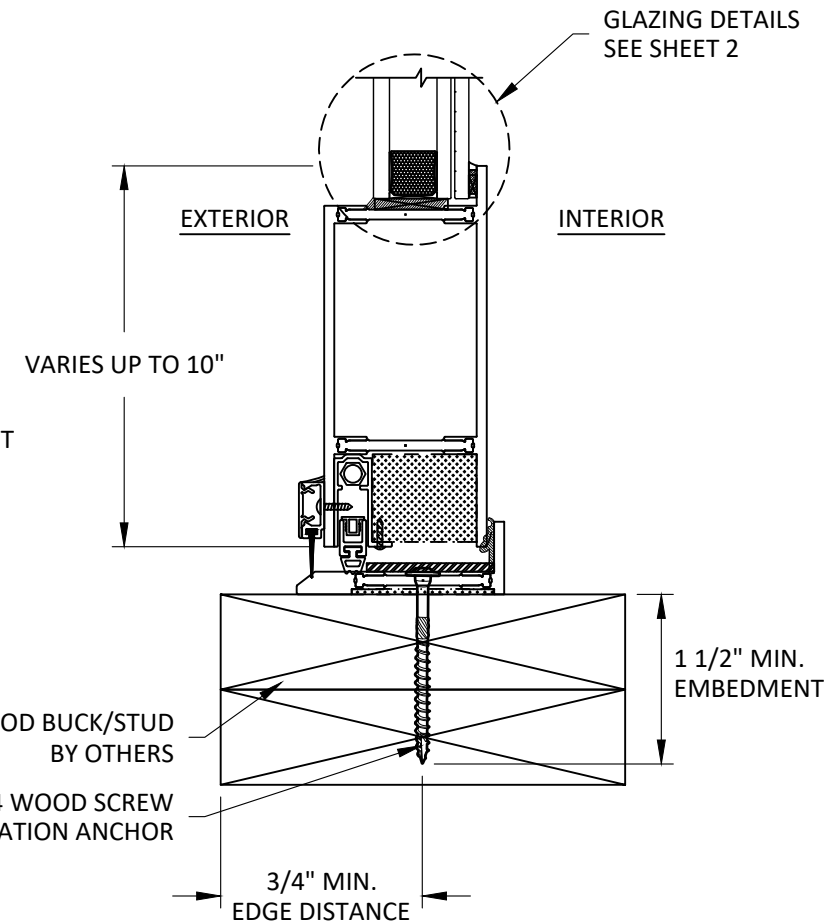
* DOORS WITH THE OPTIONAL THRESHOLD HAS NOT BEEN RATED FOR WATER INFILTRATION. IF AUTHORITY HAVING JURISDICTION REQUIRES THAT PRODUCT MEETS THIS REQUIREMENT, PRODUCT SHALL BE USED WHEN INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG (OH) RATIO = OH LENGTH ÷ OH HEIGHT IS ≥1.0



B
15 **VERTICAL SECTION**
SILL - 2X WOOD BUCK



D
15 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
W/ KICKPLATE



E
15 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
OPTIONAL THRESHOLD* W/ KICKPLATE



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
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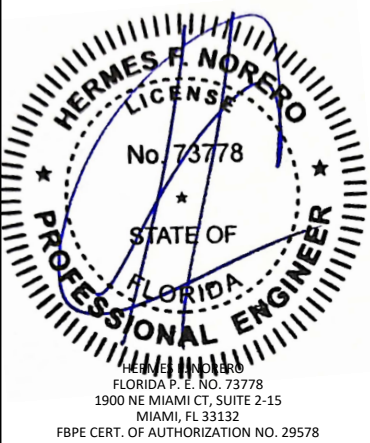
TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
VERTICAL SECTIONS -
2X WOOD BUCK

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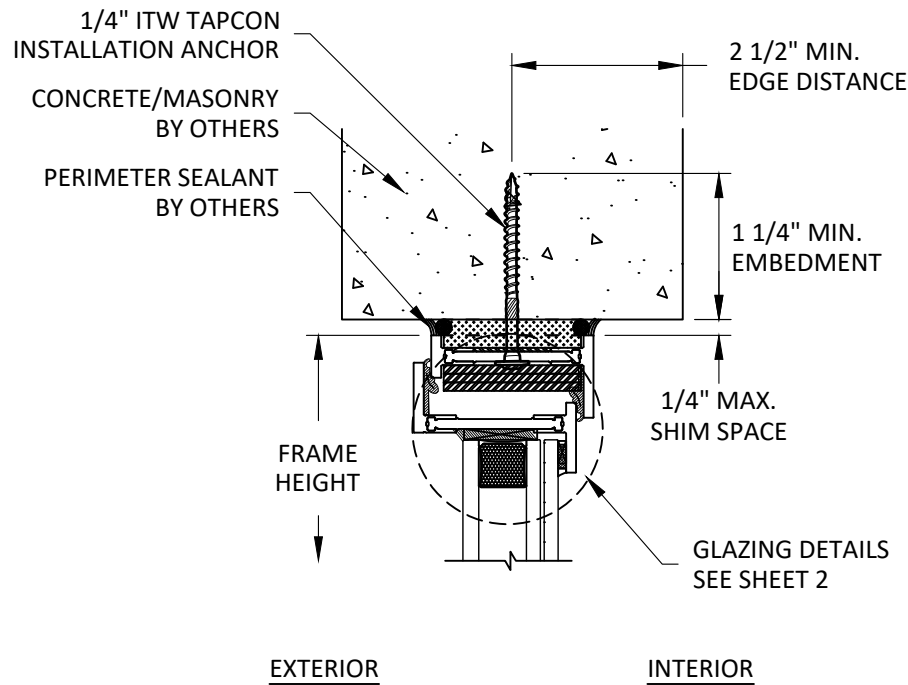
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CHK. BY: HFN

SCALE: NTS

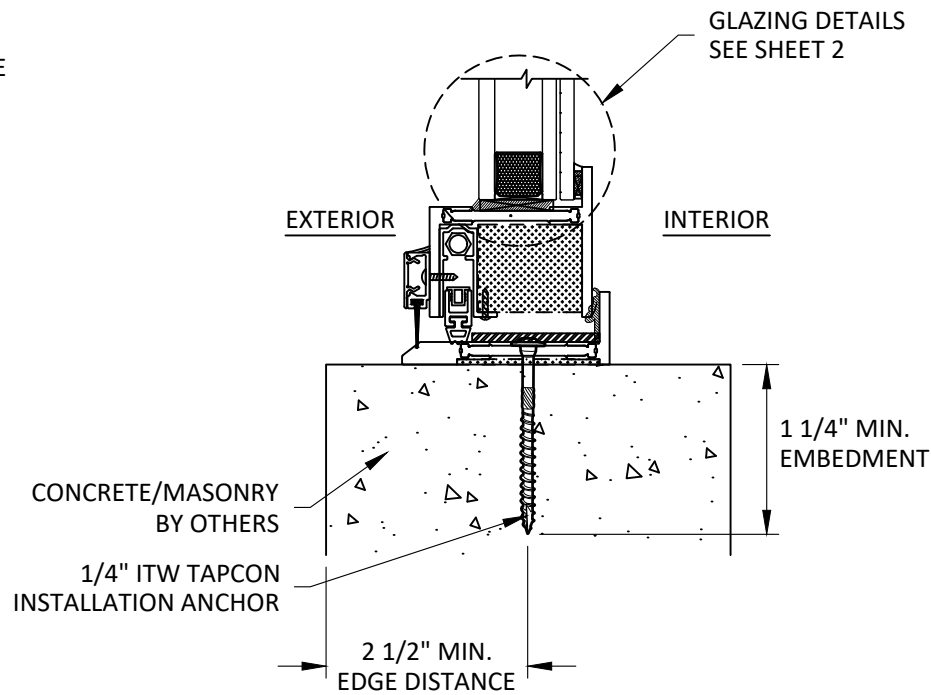
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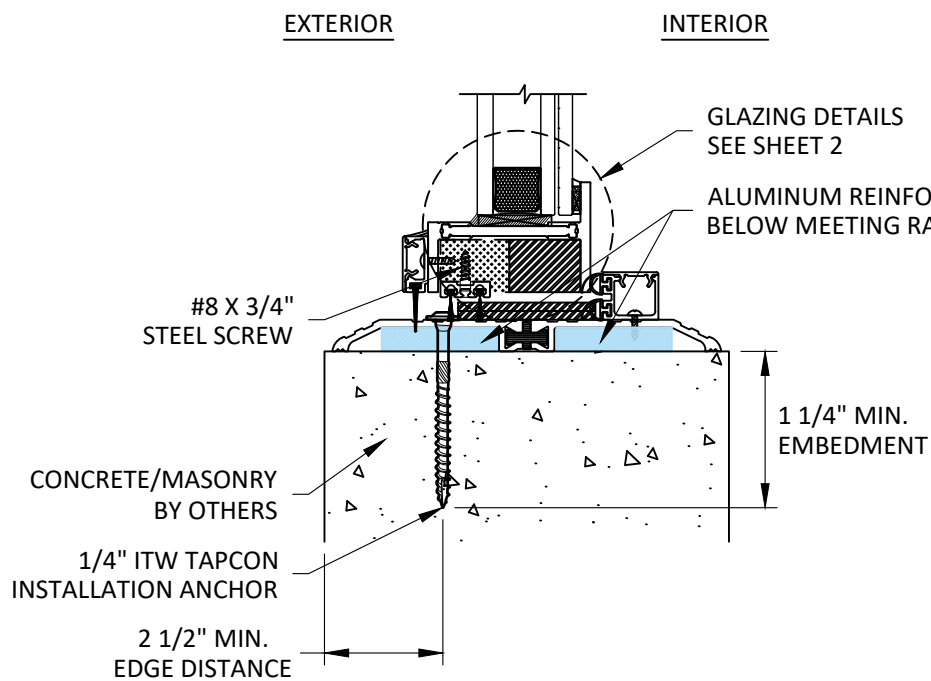
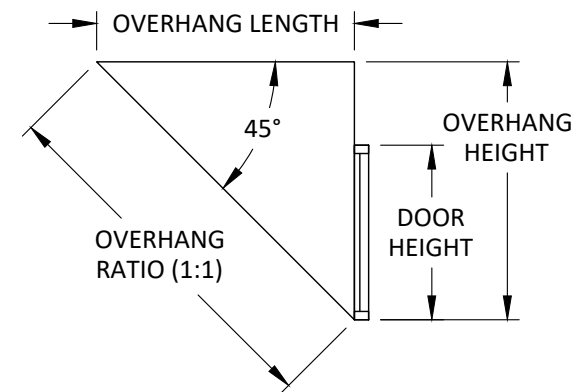


A
16 **VERTICAL SECTION**
HEAD - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
SHORT LEG FRAME

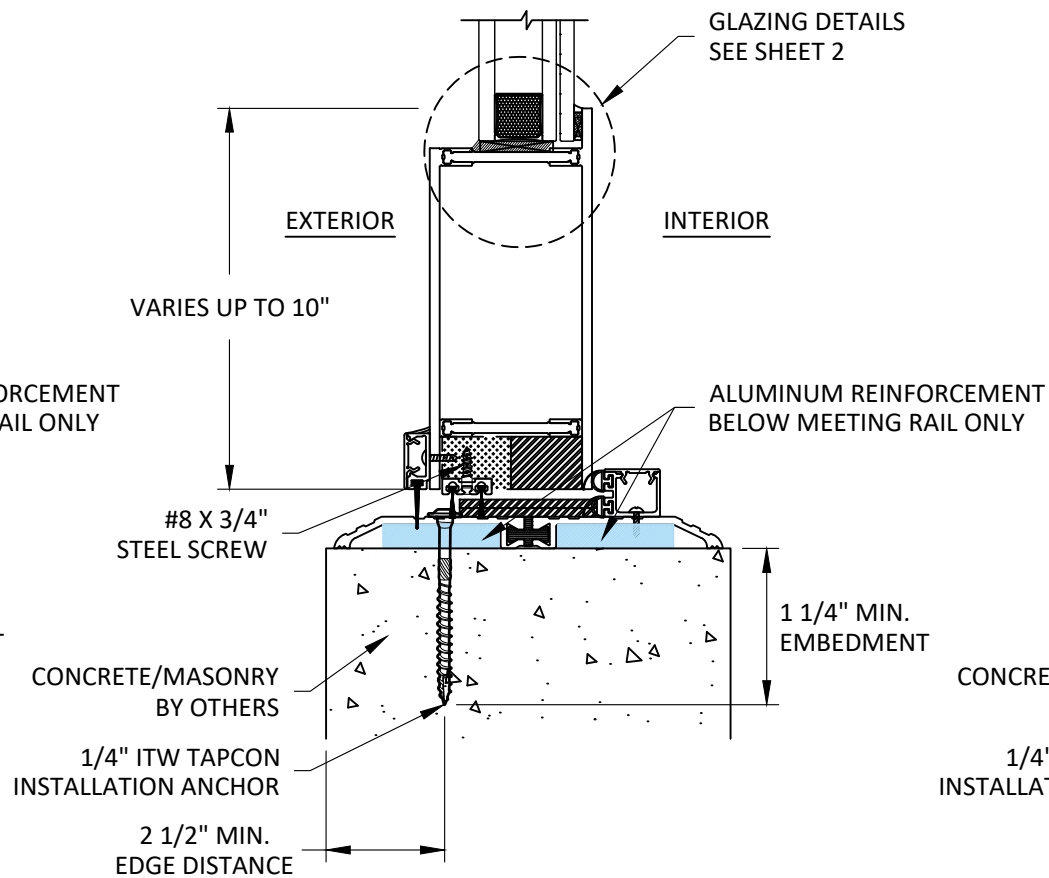


C
16 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
OPTIONAL THRESHOLD*

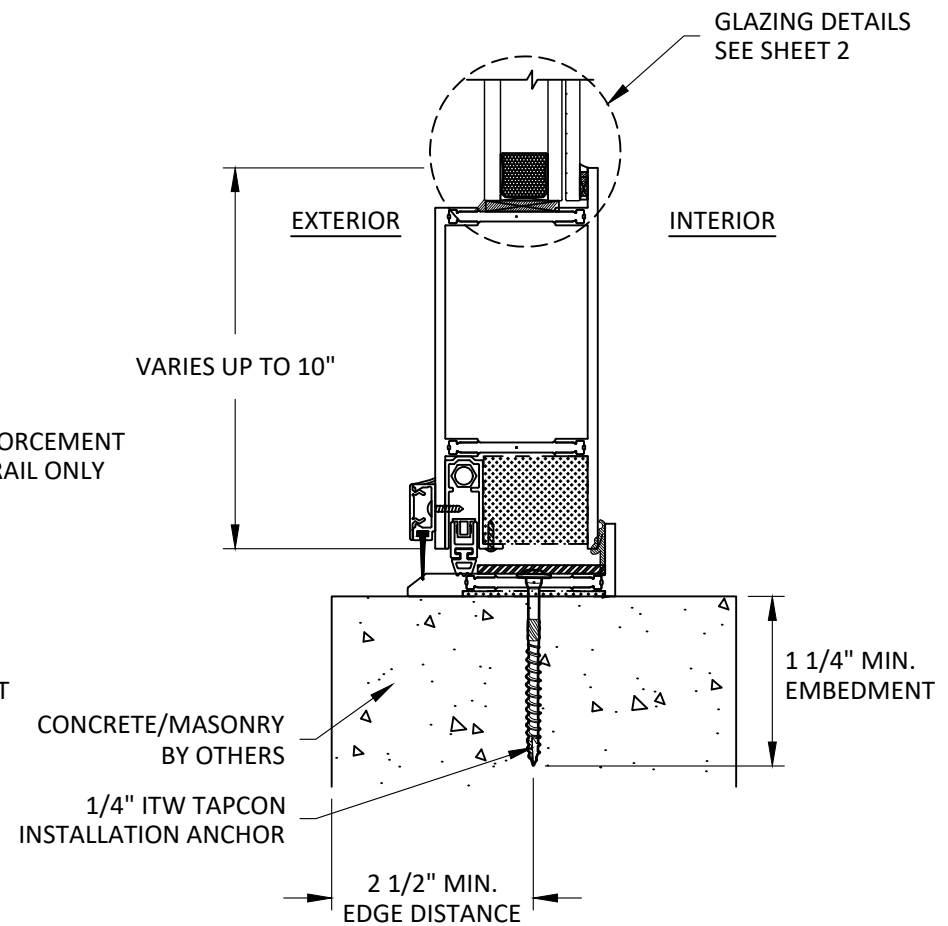
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B
16 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY



D
16 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
W/ KICKPLATE



E
16 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
OPTIONAL THRESHOLD* W/ KICKPLATE



OPTIMUM STEEL WINDOWS AND DOORS
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ELLENVILLE, NY 12428
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TITLE: RTS-430I STAINLESS STEEL
FRENCH DOOR
(WZ3)/(IMPACT)
VERTICAL SECTIONS -
CONCRETE/MASONRY

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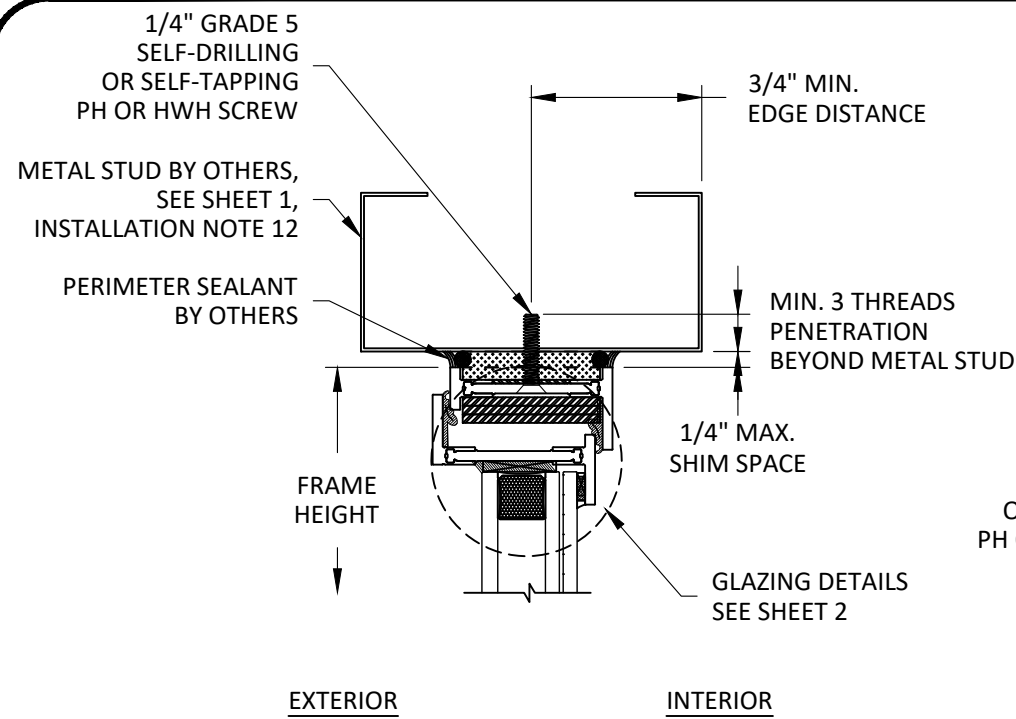
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CHK. BY: HFN

SCALE: NTS

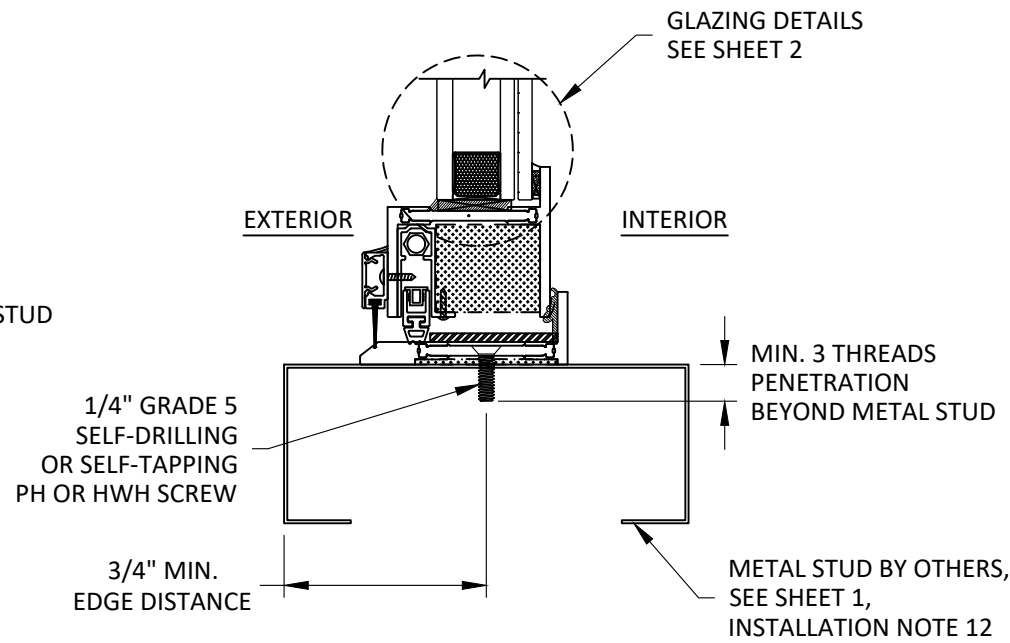
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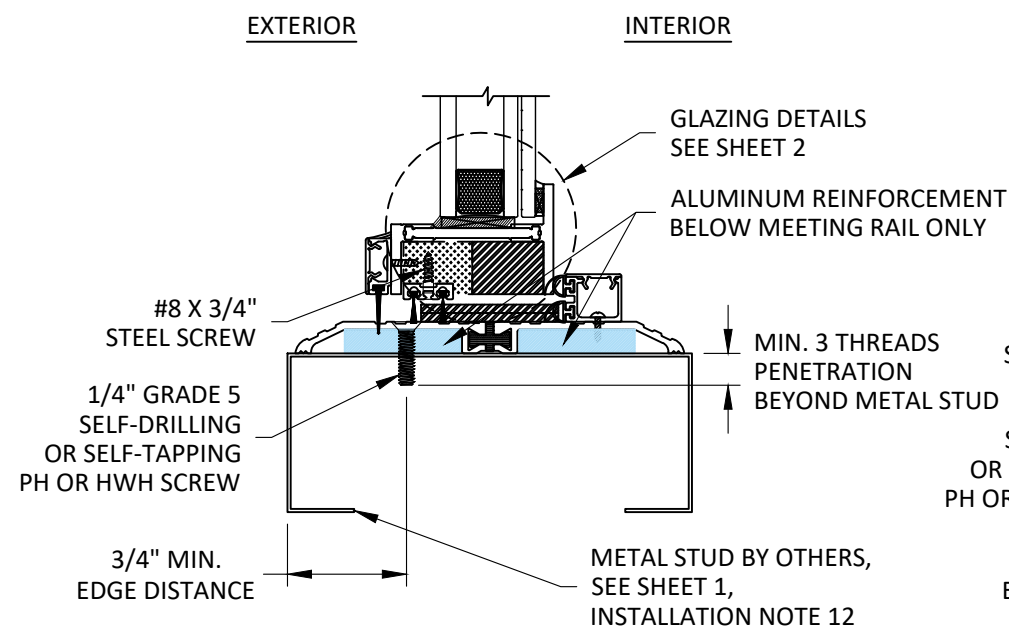
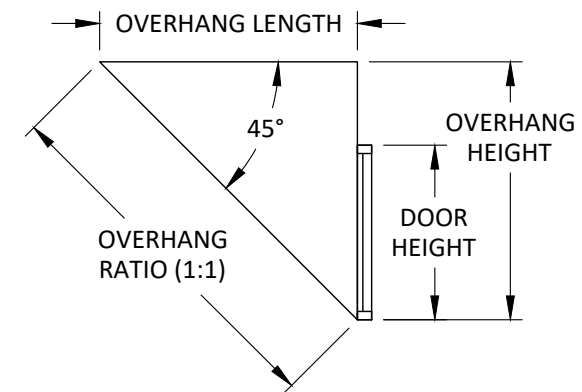


A
17 **VERTICAL SECTION**
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
SHORT LEG FRAME

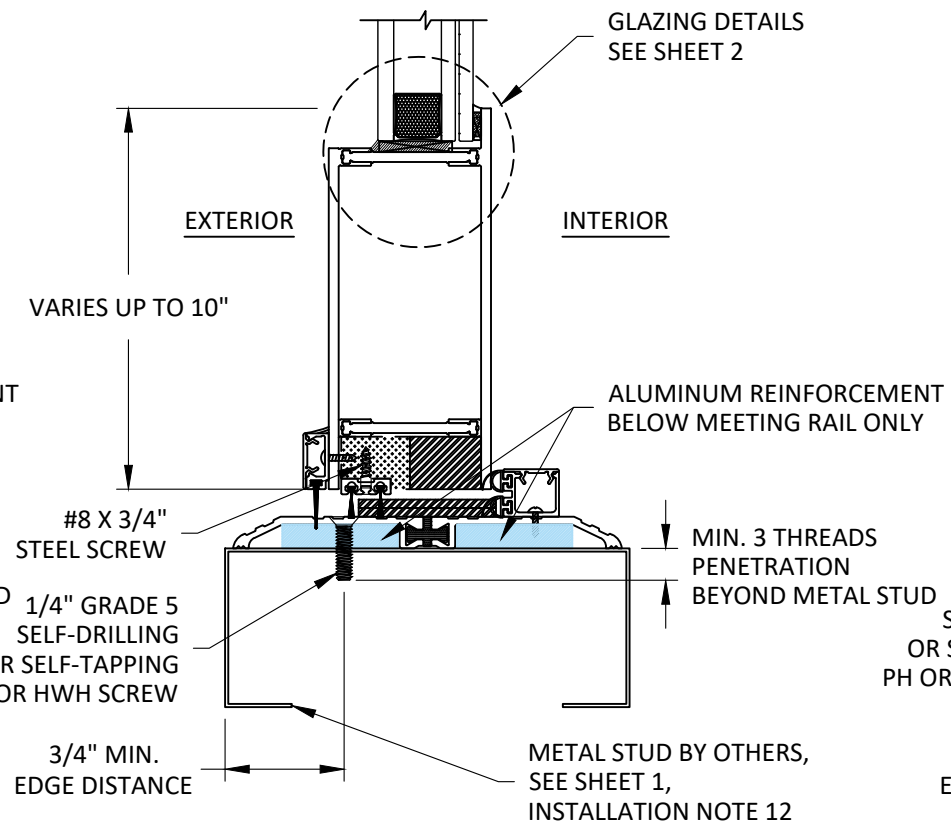


C
17 **VERTICAL SECTION**
SILL - METAL STUD
OPTIONAL THRESHOLD*

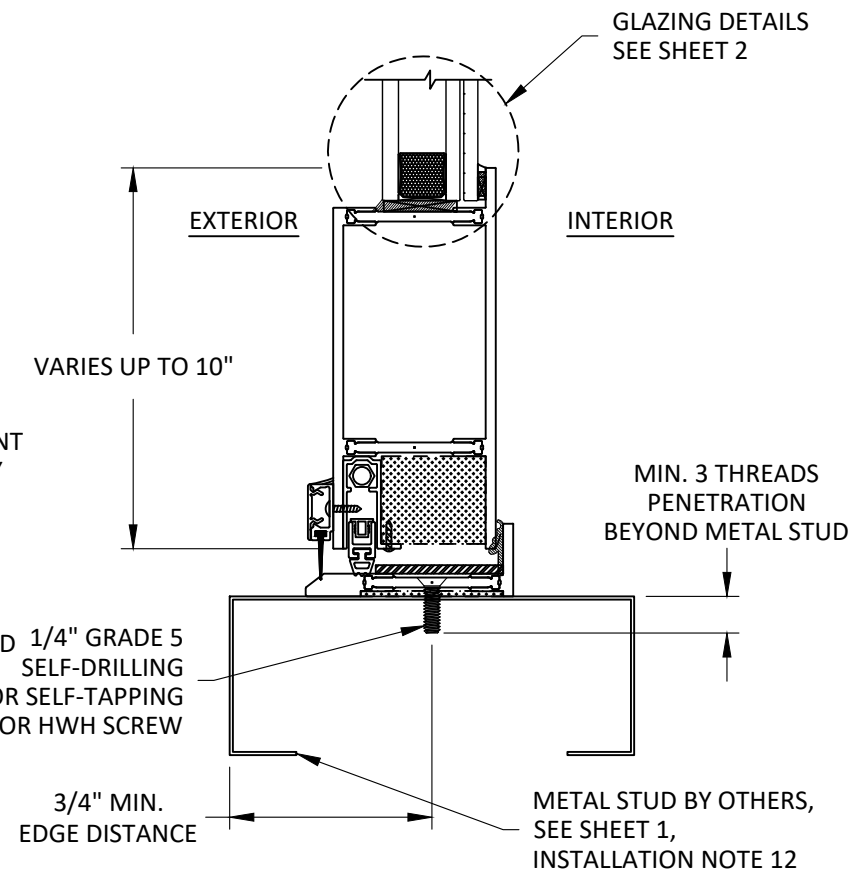
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B
17 **VERTICAL SECTION**
SILL - METAL STUD



D
17 **VERTICAL SECTION**
SILL - METAL STUD
W/ KICKPLATE



E
17 **VERTICAL SECTION**
SILL - METAL STUD
OPTIONAL THRESHOLD* W/ KICKPLATE



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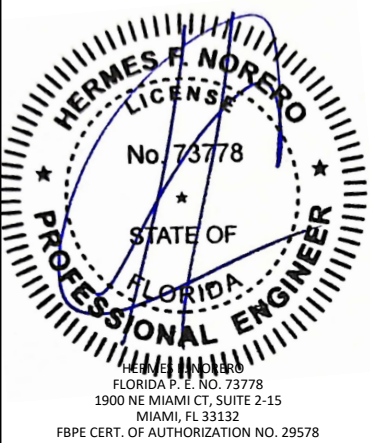
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FRENCH DOOR
(WZ3)/(IMPACT)
VERTICAL SECTIONS -
METAL STUD

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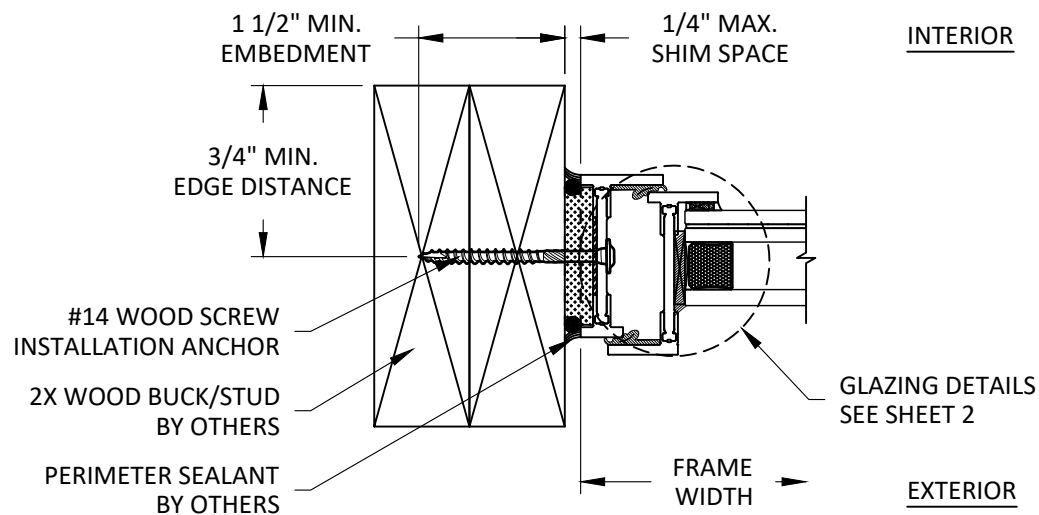
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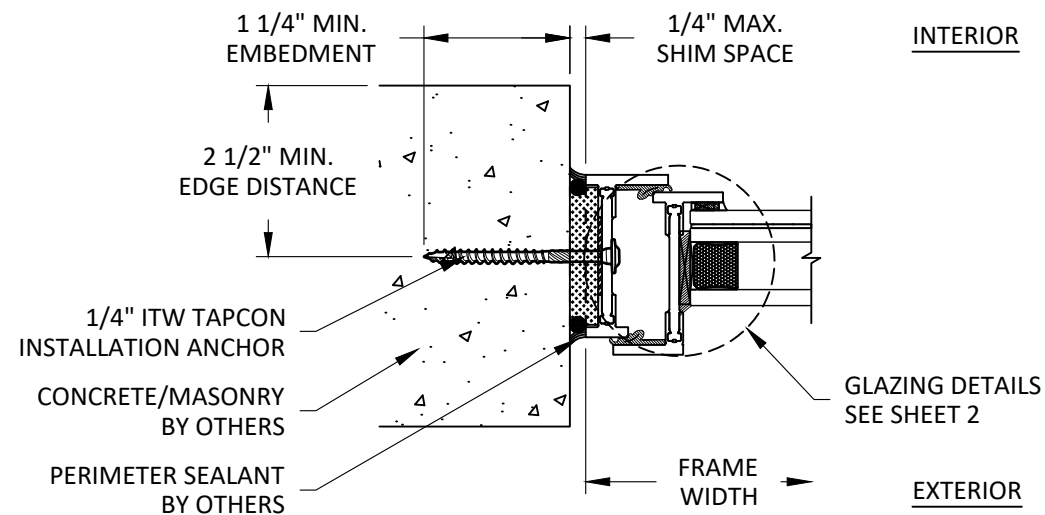
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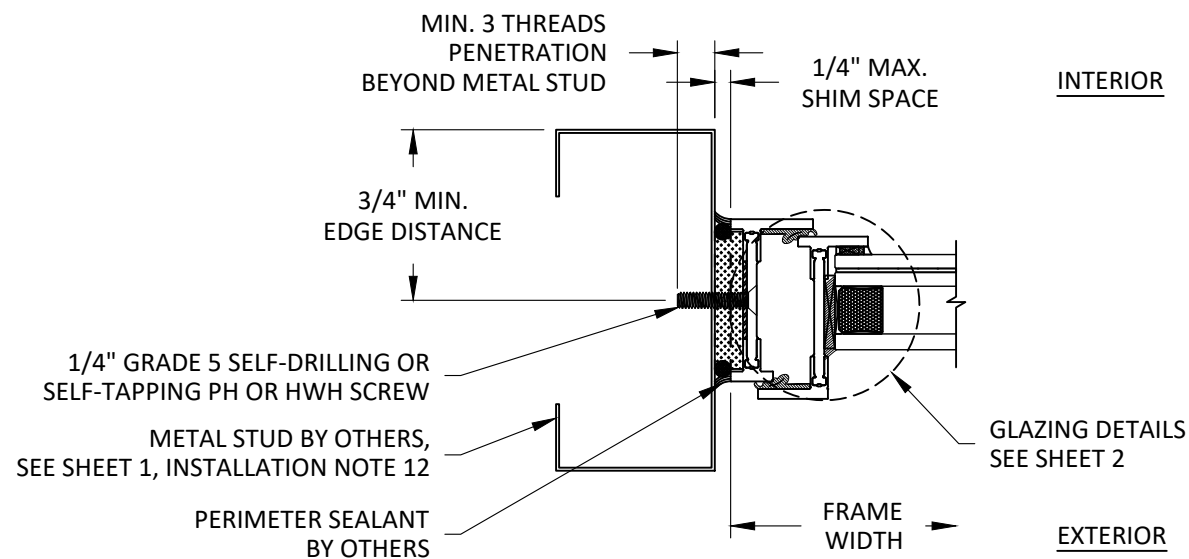
17



A HORIZONTAL SECTION
18
 JAMB - 2X WOOD BUCK
 THROUGH FRAME INSTALLATION
 SHORT LEG FRAME



B HORIZONTAL SECTION
18
 JAMB - CONCRETE/MASONRY
 THROUGH FRAME INSTALLATION
 SHORT LEG FRAME



C HORIZONTAL SECTION
18
 JAMB - METAL STUD
 THROUGH FRAME INSTALLATION
 SHORT LEG FRAME



OPTIMUM STEEL WINDOWS AND DOORS
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TITLE: RTS-430i STAINLESS STEEL
 FRENCH DOOR
 (WZ3)/(IMPACT)

HORIZONTAL SECTIONS

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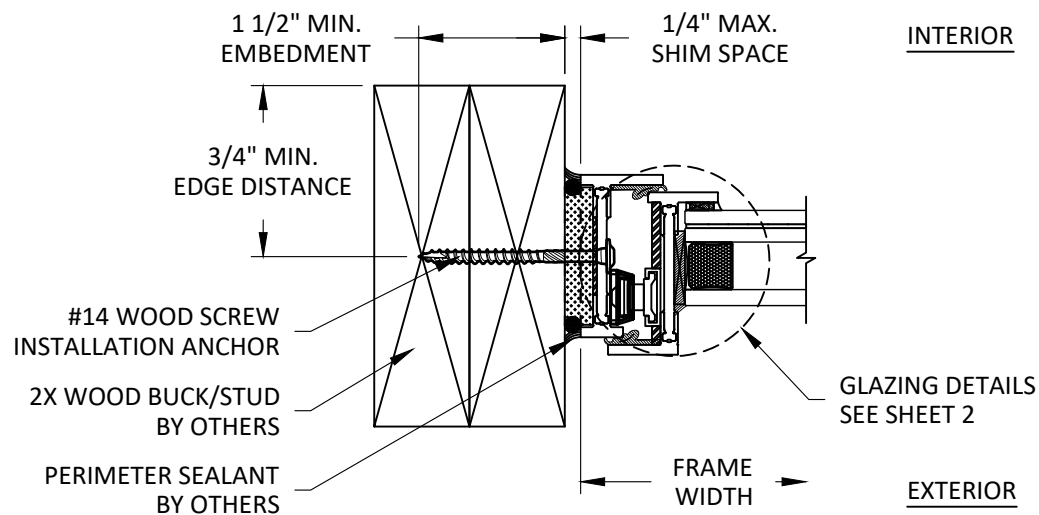
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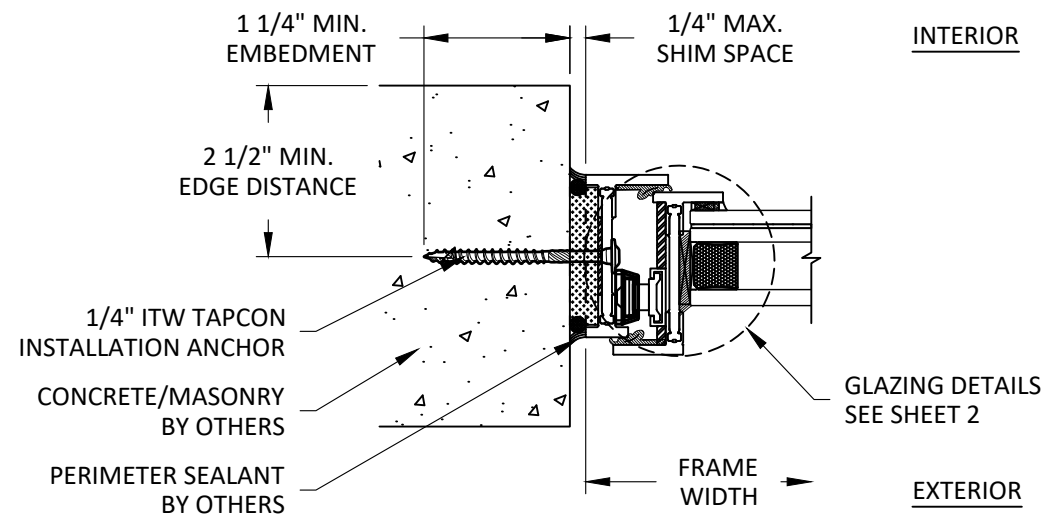
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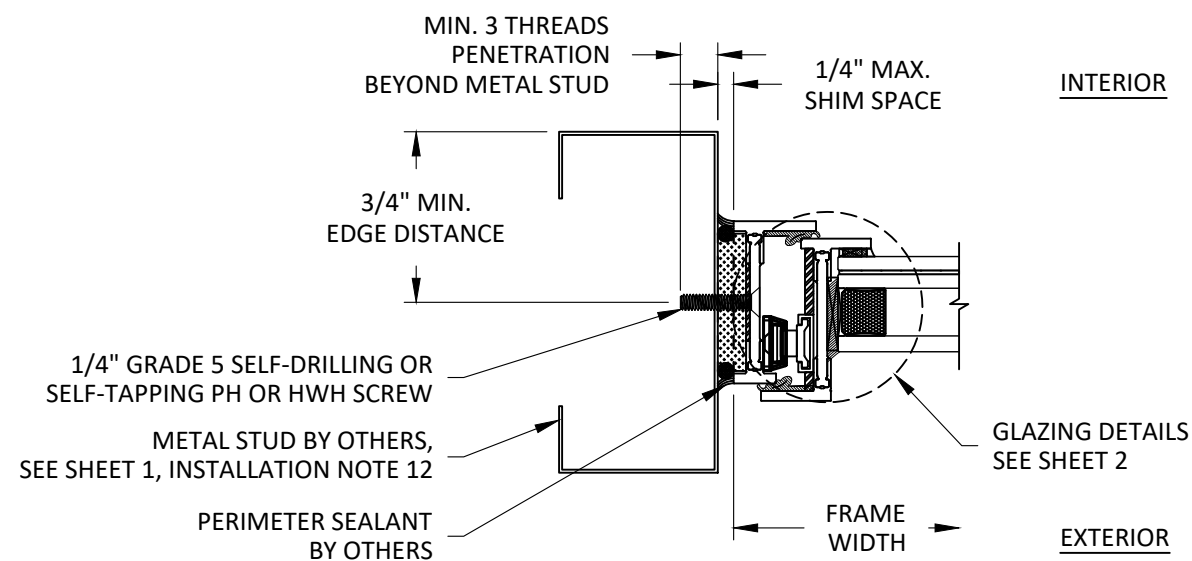
18



A HORIZONTAL SECTION
19 JAMB - 2X WOOD BUCK
 THROUGH FRAME INSTALLATION
 SHORT LEG FRAME



B HORIZONTAL SECTION
19 JAMB - CONCRETE/MASONRY
 THROUGH FRAME INSTALLATION
 SHORT LEG FRAME



C HORIZONTAL SECTION
19 JAMB - METAL STUD
 THROUGH FRAME INSTALLATION
 SHORT LEG FRAME



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TITLE: RTS-430i STAINLESS STEEL
 FRENCH DOOR
 (WZ3)(IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:

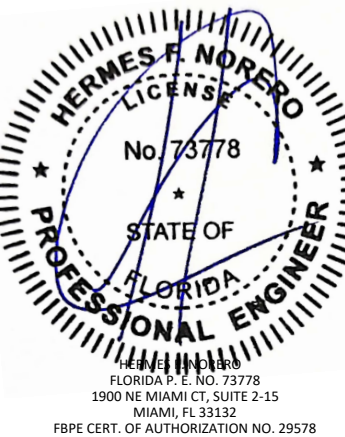
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