

OPTIMUM STEEL WINDOWS AND DOORS

RTS-430i STAINLESS STEEL FIXED WINDOW (WZ3)(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR FOR EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED ARE THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. 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.
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. 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.
6. 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.
7. 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.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 10.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.
- 11.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.
- 12.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 35.9 MIL (0.0478" or 18 GAUGE).

F. ALUMINUM - MINIMUM GRADE OF 6063-T6. 1/8" MINIMUM WALL THICKNESS.

GENERAL NOTES:

1. 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:

TAS 201-94

TAS 202-94

TAS 203-94
2. 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.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.
7. WINDOW FRAME MATERIAL: 304 STAINLESS STEEL
8. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

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DESIGN PRESSURE RATING			
OVERALL SIZE	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEET 3 - 5	"O"	SEE SHEET 3	LARGE & SMALL MISSILE IMPACT
SEE SHEET 3 - 5	"O - O"	SEE SHEET 3	

- NOTES:
1. 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).
2. SQUARE FOOTAGE AREA HAS BEEN LIMITED TO EQUAL OR LESS THAN THE TESTED AREA FOR SINGLE AND MULLED CONFIGURATIONS.
3. ALLOWABLE DESIGN PRESSURE WILL BE THE LESSER OF THE DESIGN PRESSURE TABLES ON SHEET 3.
4. SEE SHEET 4 AND 5 FOR ALLOWABLE SHAPE CONFIGURATIONS.
5. SEE SHEET 7 FOR ALLOWABLE MULLED CONFIGURATIONS.



OPTIMUM STEEL WINDOWS AND DOORS
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TITLE: RTS-430i FIXED WINDOW (WZ3)(IMPACT)
GENERAL NOTES AND INSTALLATION NOTES

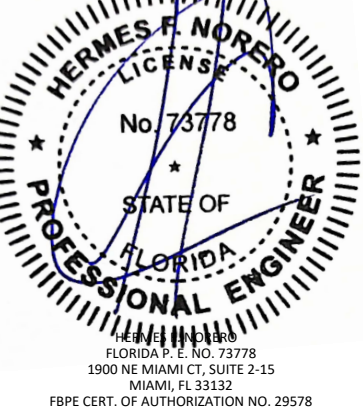
PREPARED BY:
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REMARKS	BY	DATE
FBC 23 CODE CHANGE	FB	02/24
NAME CHANGE	DB	02/25
MISC. REVISION	MS	01/26

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Reason: I am approving this document
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FL #:
FL22639

DATE: 01.05.22

DWG. BY:
SH

CHK. BY:
HN

SCALE: NTS

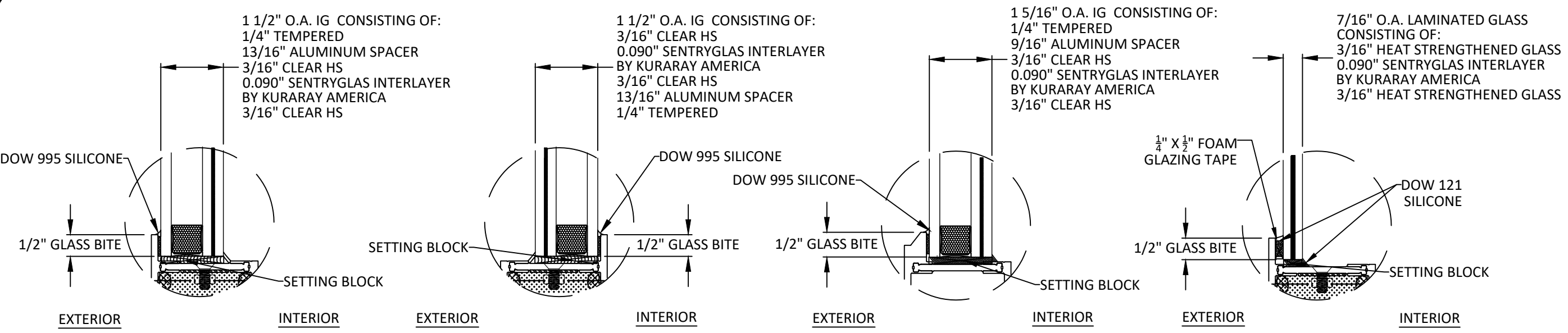
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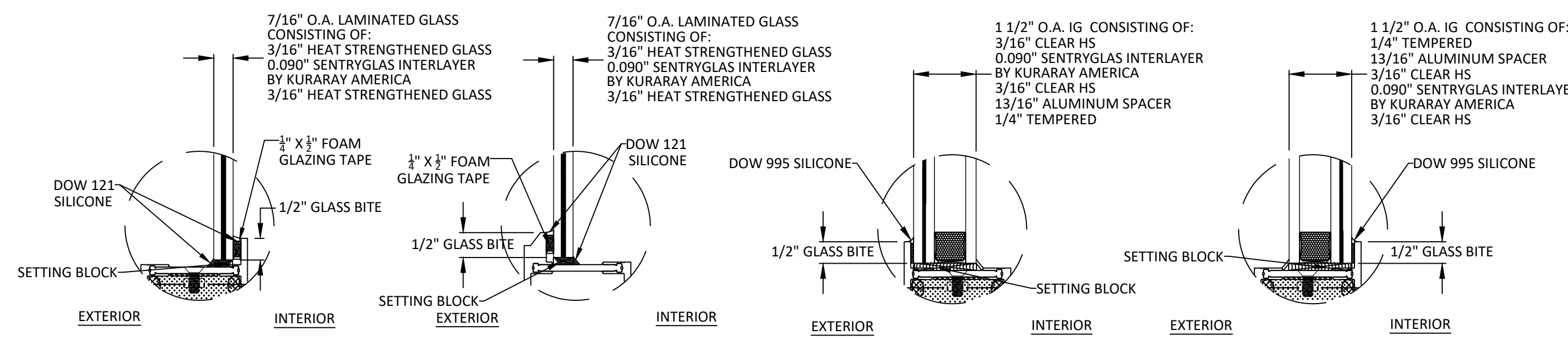


GLAZING DETAIL 1

GLAZING DETAIL 2

GLAZING DETAIL 3

GLAZING DETAIL 4



GLAZING DETAIL 5

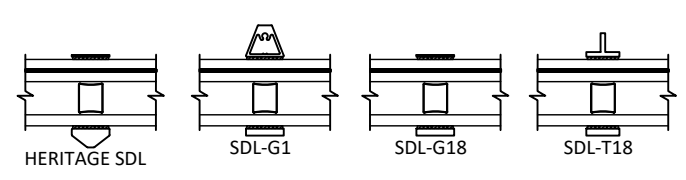
GLAZING DETAIL 6

GLAZING DETAIL 7

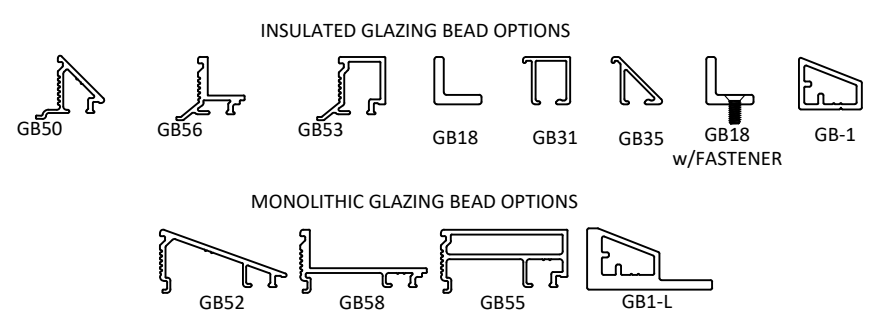
GLAZING DETAIL 8

GLAZING DETAILS 4, 5, 6, 7, AND 8 ARE LIMITED TO A FRAME SIZE OF 32.25 FT²

SIMULATED MUNTIN:



OTHER QUALIFIED GLAZING BEADS:



- NOTES:
- GLASS TYPES AND THICKNESS COMPLY 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.

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DATE: 01.05.22

DWG. BY: SH	CHK. BY: HN
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SCALE: NTS

DWG. #: OPW010

SHEET: 2 OF 19

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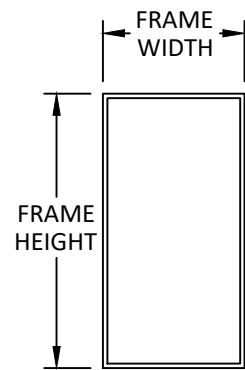
GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPES '1, 2, 3, 4, 5, 6'	
D.L.O. WIDTH 'in.'	D.L.O. HEIGHT 'in.'	EXT. (+)	INT. (-)
27.81	81.88	65.0	65.0
33.81		65.0	65.0
39.81		65.0	65.0
45.81		65.0	65.0
51.81		65.0	65.0
57.81		65.0	65.0
63.81	87.88	58.9	58.9
69.81		53.8	53.8
27.81		65.0	65.0
33.81		65.0	65.0
39.81		65.0	65.0
45.81		65.0	65.0
51.81	93.88	65.0	65.0
57.81		65.0	65.0
63.81		58.9	58.9
69.81		53.8	53.8
27.81		65.0	65.0
33.81		65.0	65.0
39.81	99.88	65.0	65.0
45.81		65.0	65.0
51.81		65.0	65.0
57.81		65.0	65.0
63.81		58.9	58.9
69.81		53.8	53.8
27.81	105.88	65.0	65.0
33.81		65.0	65.0
39.81		65.0	65.0
45.81		65.0	65.0
51.81		65.0	65.0
57.81		65.0	65.0
63.81	111.88	58.9	58.9
69.81		53.8	53.8

GLASS CAPACITY TABLE

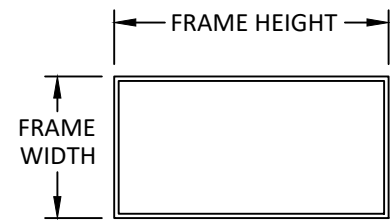
GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPES '1, 2, 3, 4, 5, 6'	
D.L.O. WIDTH 'in.'	D.L.O. HEIGHT 'in.'	EXT. (+)	INT. (-)
27.81	117.88	65.0	65.0
33.81		65.0	65.0
39.81		65.0	65.0
45.81		65.0	65.0
51.81		65.0	65.0
57.81		65.0	65.0
63.81	123.88	58.9	58.9
69.00		54.5	54.5
27.81		65.0	65.0
33.81		65.0	65.0
39.81		65.0	65.0
45.81		65.0	65.0
51.81	129.88	65.0	65.0
57.81		65.0	65.0
63.81		58.9	58.9
66.00		56.9	56.9
27.81		65.0	65.0
33.81		65.0	65.0
39.81	135.88	65.0	65.0
45.81		65.0	65.0
51.81		65.0	65.0
57.81		65.0	65.0
60.00		62.6	62.6
27.81	141.88	65.0	65.0
33.81		65.0	65.0
39.81		65.0	65.0
45.81		65.0	65.0
51.81		65.0	65.0
57.81		65.0	65.0

DESIGN PRESSURE (PSF)			
NOMINAL DIMS.		"O" CONFIGURATION	
FRAME WIDTH 'in.'	FRAME HEIGHT 'in.'	EXT. (+)	INT. (-)
24.06	84.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	90.20	59.1	59.1
66.06		54.2	54.2
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	96.20	59.1	59.1
54.06		54.2	54.2
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	102.20	59.1	59.1
42.06		54.2	54.2
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	108.20	59.1	59.1
30.06		54.2	54.2
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	114.20	59.1	59.1
66.06		54.2	54.2
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	120.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	126.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	132.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	138.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	144.20	61.9	61.9
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	150.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	156.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	162.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	168.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	174.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	180.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	186.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	192.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	198.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	204.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	210.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	216.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	222.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	228.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	234.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	240.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	246.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	252.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	258.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	264.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	270.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06	276.20	65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06	282.20	65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06		65.0	65.0
42.06		65.0	65.0
48.06	288.20	65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	65.0
24.06		65.0	65.0
30.06		65.0	65.0
36.06	294.20	65.0	65.0
42.06		65.0	65.0
48.06		65.0	65.0
54.06		65.0	65.0
60.06		65.0	65.0
66.06		65.0	

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NOTE:
WINDOW WIDTH AND HEIGHT ARE
INTERCHANGEABLE FOR SIZES SHOWN
HEREIN, NOT TO EXCEED MAXIMUM
QUALIFIED SQUARE FOOT AREA.



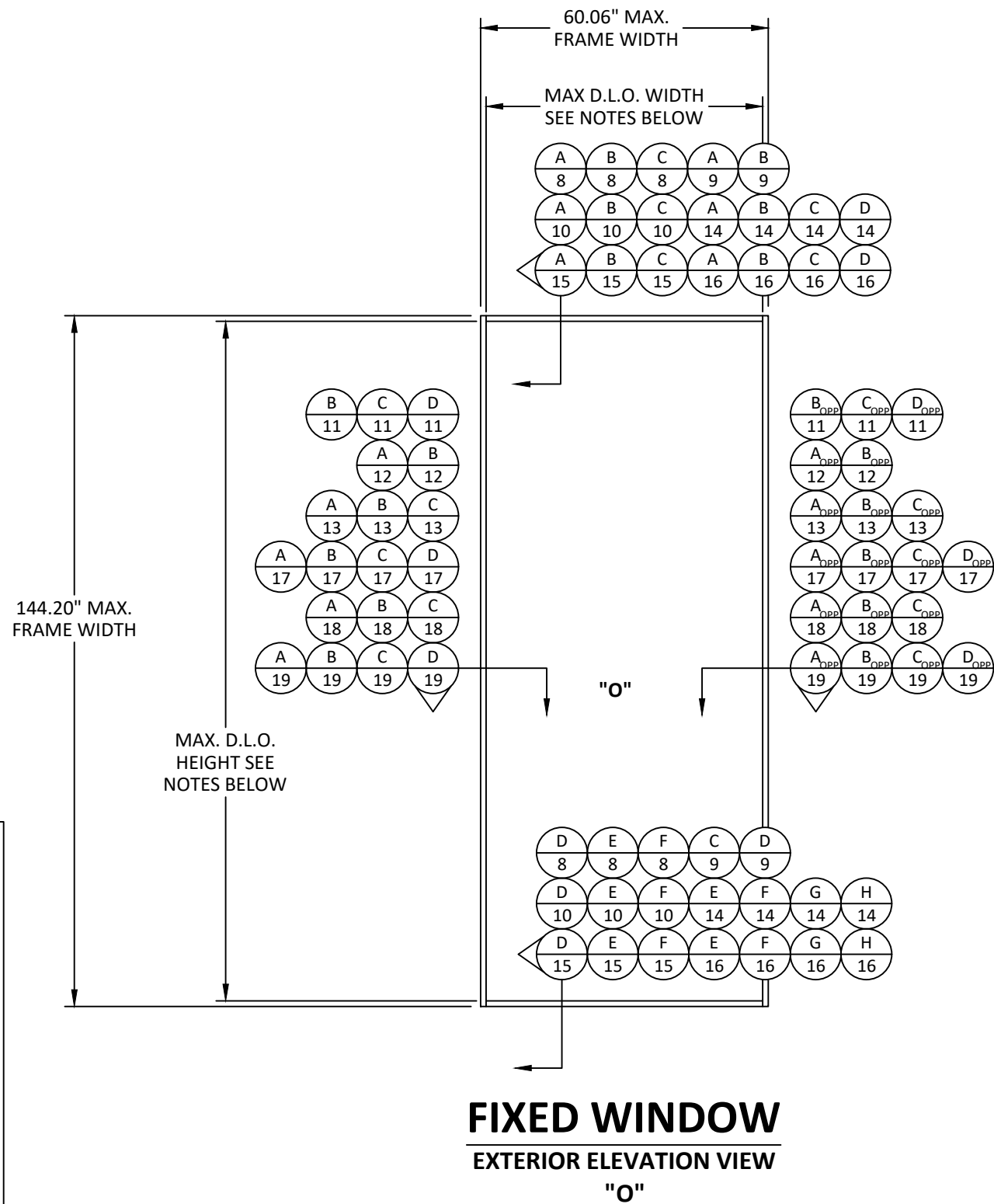
SHORT LEG FRAME:
D.L.O. WIDTH = FRAME WIDTH - 2 1/4"
D.L.O. HEIGHT = FRAME HEIGHT - 2 5/16"

LONG LEG FRAME:
D.L.O. WIDTH = FRAME WIDTH - 3 1/2"
D.L.O. HEIGHT = FRAME HEIGHT - 3 5/8"

SHORT LEG SIGHTLINE FRAME:
D.L.O. WIDTH = FRAME WIDTH - 4 3/8"
D.L.O. HEIGHT = FRAME HEIGHT - 4 1/2"

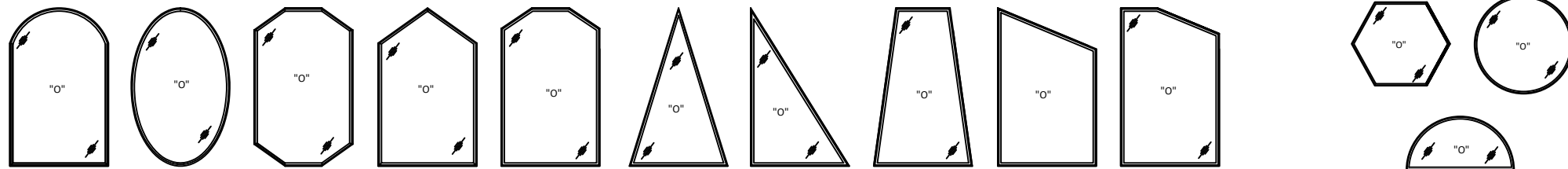
LONG LEG SIGHTLINE FRAME:
D.L.O. WIDTH = FRAME WIDTH - 5 11/16"
D.L.O. HEIGHT = FRAME HEIGHT - 5 3/4"

UNEQUAL LEG SIGHTLINE FRAME:
D.L.O. WIDTH = FRAME WIDTH - 5 1/16"
D.L.O. HEIGHT = FRAME HEIGHT - 5 1/8"



ALLOWABLE CONFIGURATIONS

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
FAX: (845)647-1494

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)

"O" ELEVATION

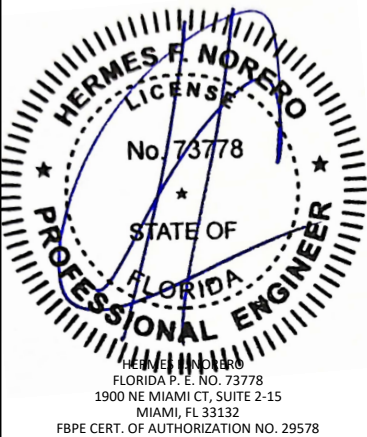
PREPARED BY:
BUILDING DROPS, INC.

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
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NAME CHANGE	DB	02/25
MISC. REVISION	MS	01/26

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FL22639

DATE: **01.05.22**

DWG. BY:
SH

CHK. BY:
HN

SCALE: **NTS**

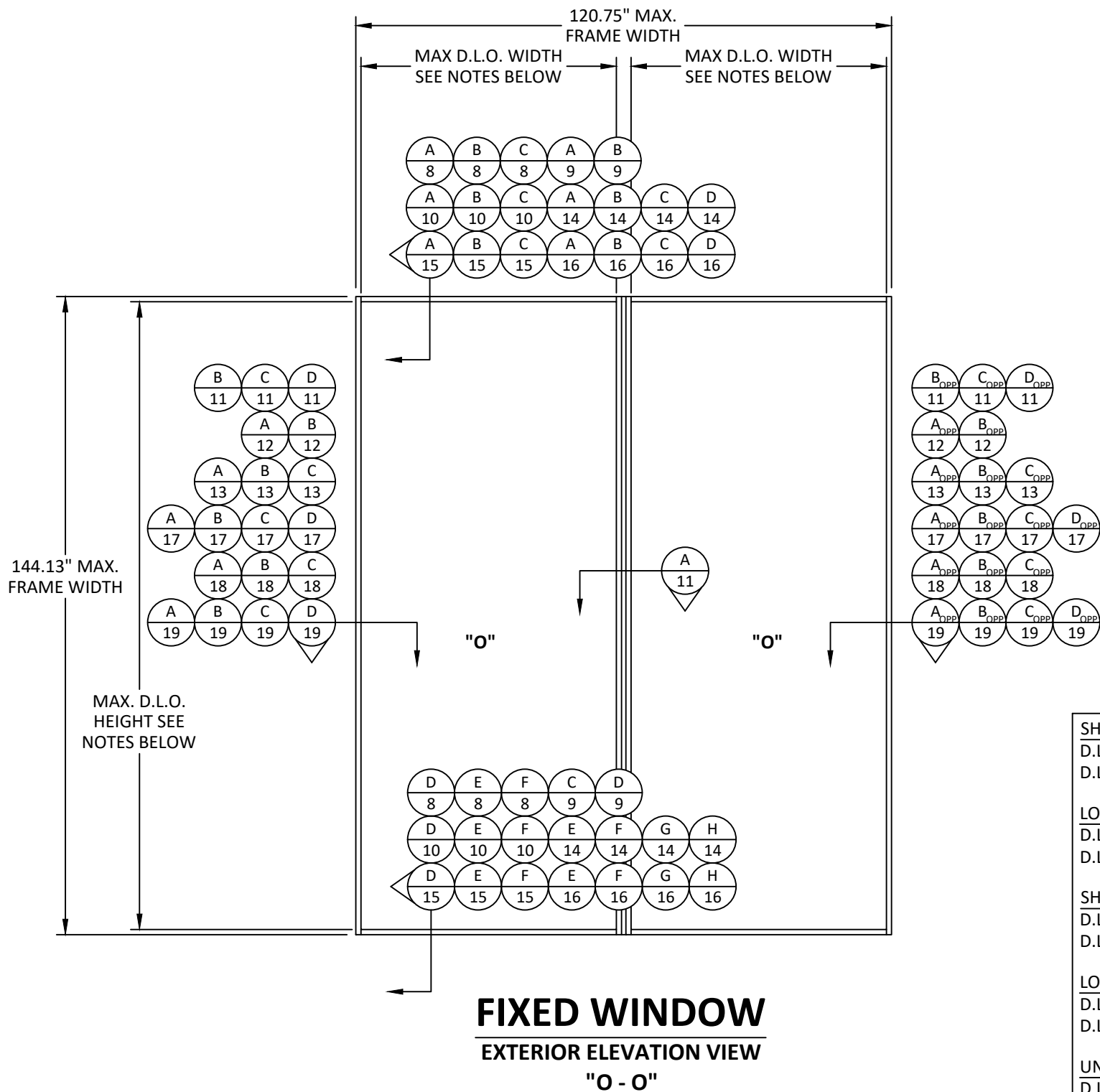
DWG. #: **OPW010**

SHEET:

4

OF 19

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SHORT LEG FRAME:
D.L.O. WIDTH = FRAME WIDTH/2 - 2 9/16"
D.L.O. HEIGHT = FRAME HEIGHT - 2 1/4"

LONG LEG FRAME:
D.L.O. WIDTH = FRAME WIDTH/2 - 3 13/16"
D.L.O. HEIGHT = FRAME HEIGHT - 3 9/16"

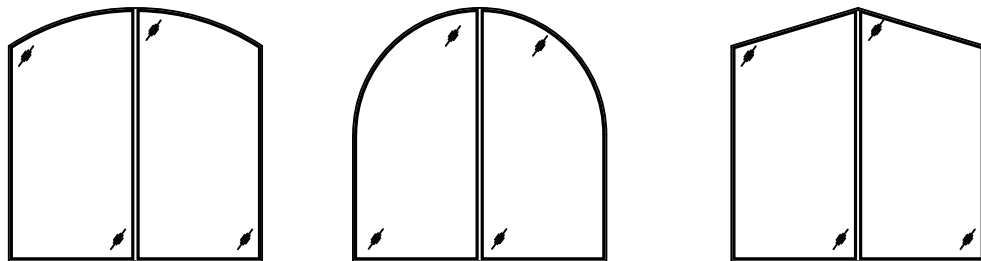
SHORT LEG SIGHTLINE FRAME:
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D.L.O. HEIGHT = FRAME HEIGHT - 4 7/16"

LONG LEG SIGHTLINE FRAME:
D.L.O. WIDTH = FRAME WIDTH/2 - 6"
D.L.O. HEIGHT = FRAME HEIGHT - 5 11/16"

UNEQUAL LEG SIGHTLINE FRAME:
D.L.O. WIDTH = FRAME WIDTH/2 - 5 3/8"
D.L.O. HEIGHT = FRAME HEIGHT - 5 1/16"

ALLOWABLE CONFIGURATIONS

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



OPTIMUM STEEL WINDOWS AND DOORS
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TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)

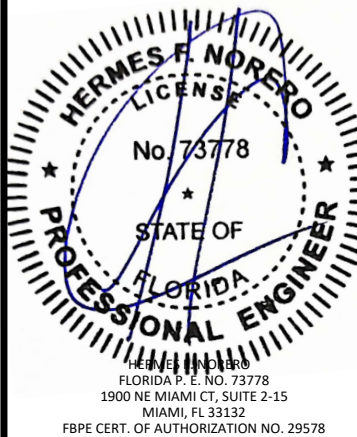
"O - O" ELEVATION

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SH

CHK. BY:
HN

SCALE: **NTS**

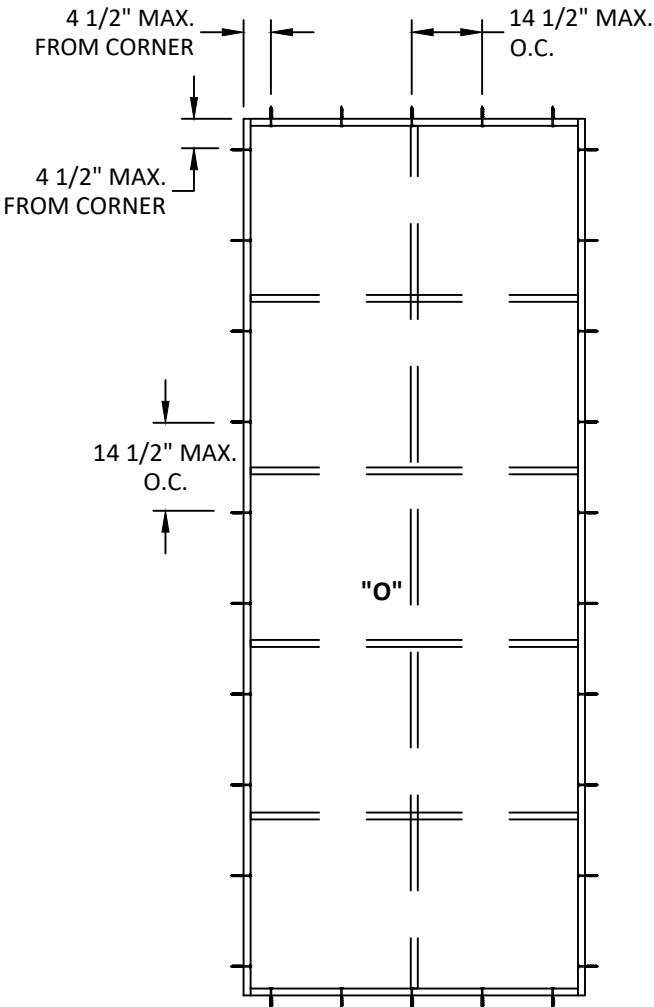
DWG. #: **OPW010**

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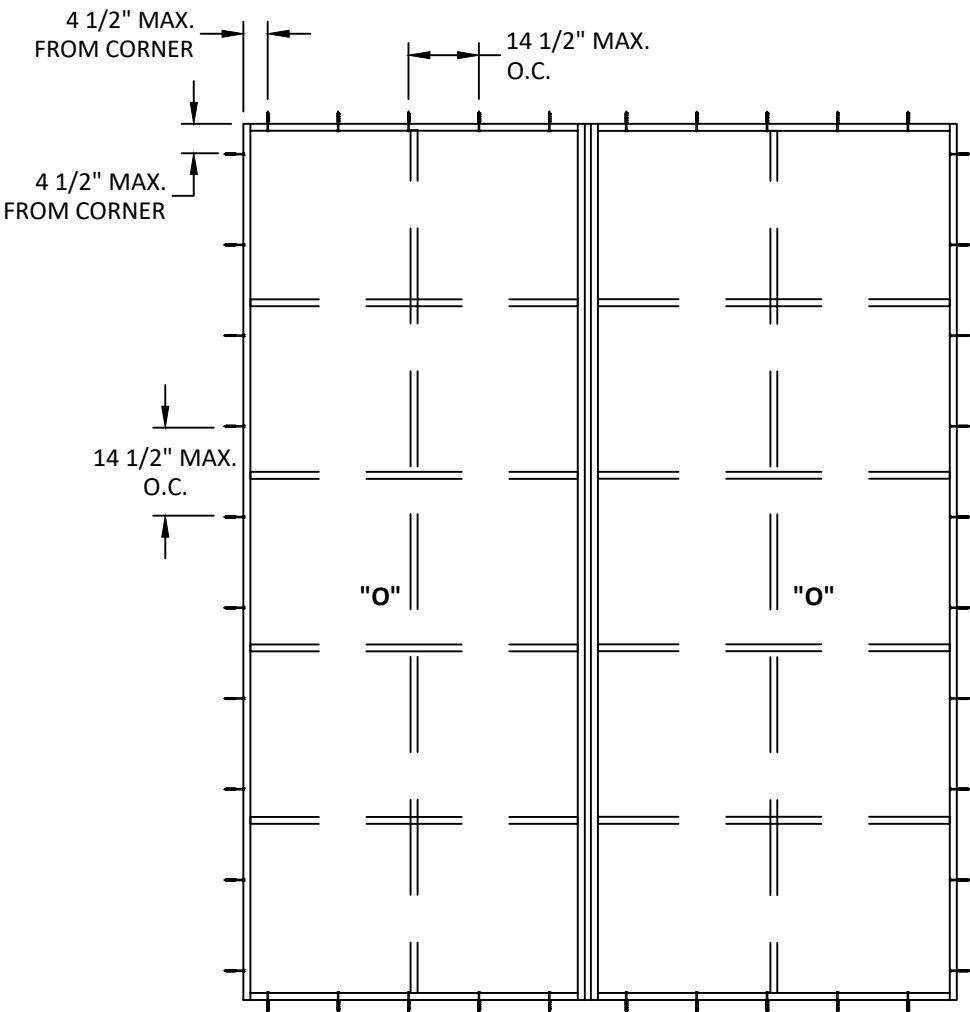
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OF 19

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FIXED WINDOW
ANCHOR LAYOUT
"O"



FIXED WINDOW
ANCHOR LAYOUT
"O - O"

NOTE: SPACING SHOWN APPLIES
FOR THROUGH FRAME, STRAP
AND FLANGE INSTALLATION



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TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)

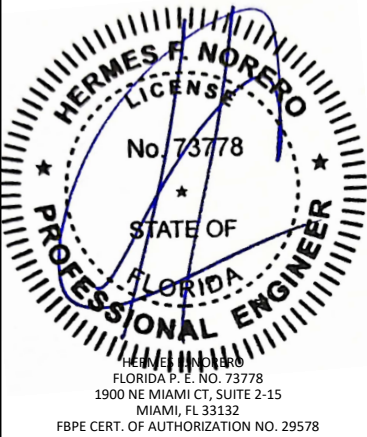
ANCHOR LAYOUTS

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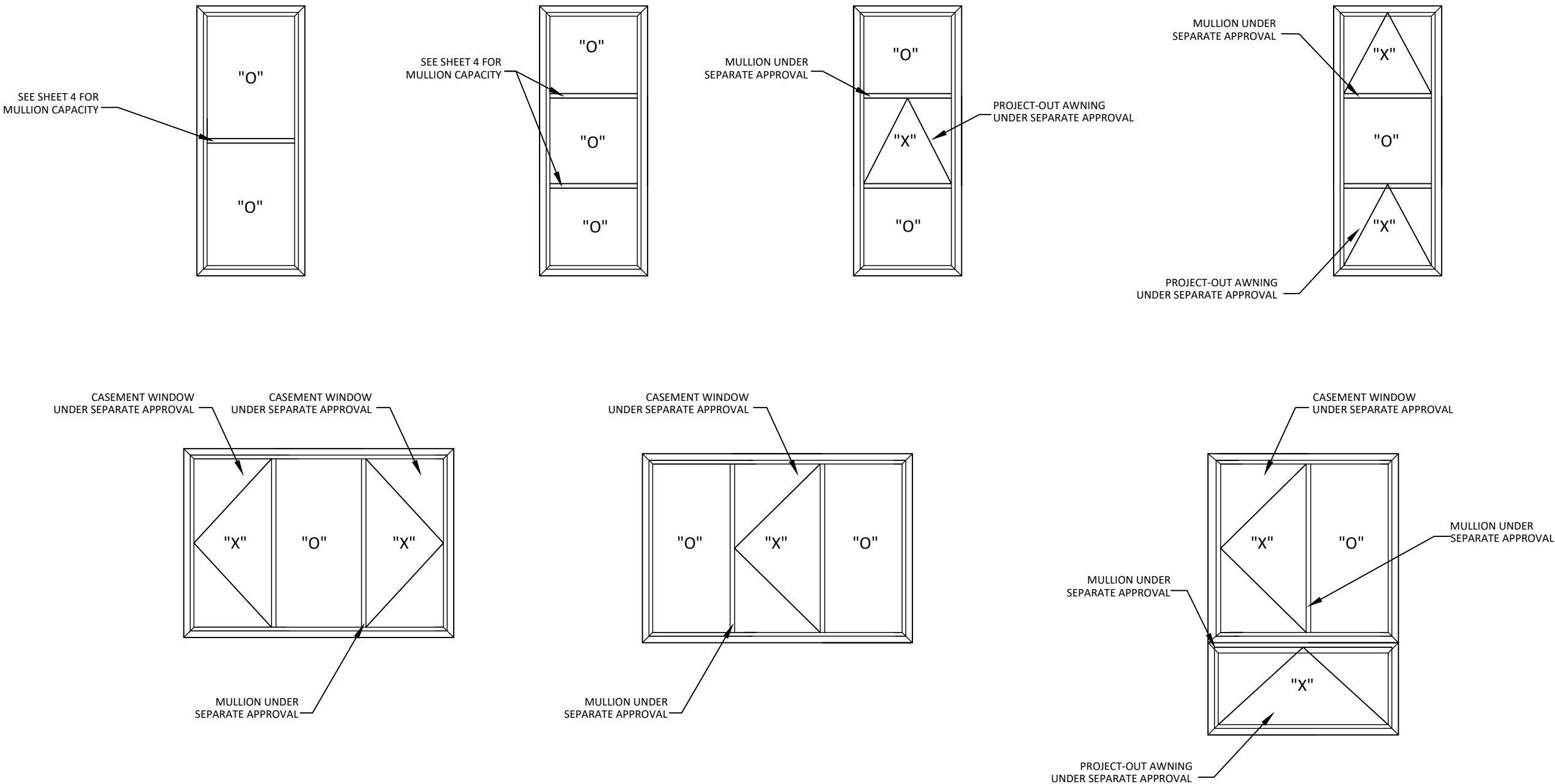
DWG. #: **OPW010**

SHEET:

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OF 19

QUALIFIED CONFIGURATIONS



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

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)

QUALIFIED
CONFIGURATIONS

PREPARED BY:

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MIAMI, FL 33132

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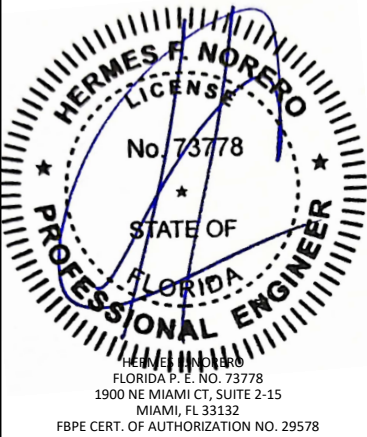
FAX: (954)744-4738

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SCALE: **NTS**

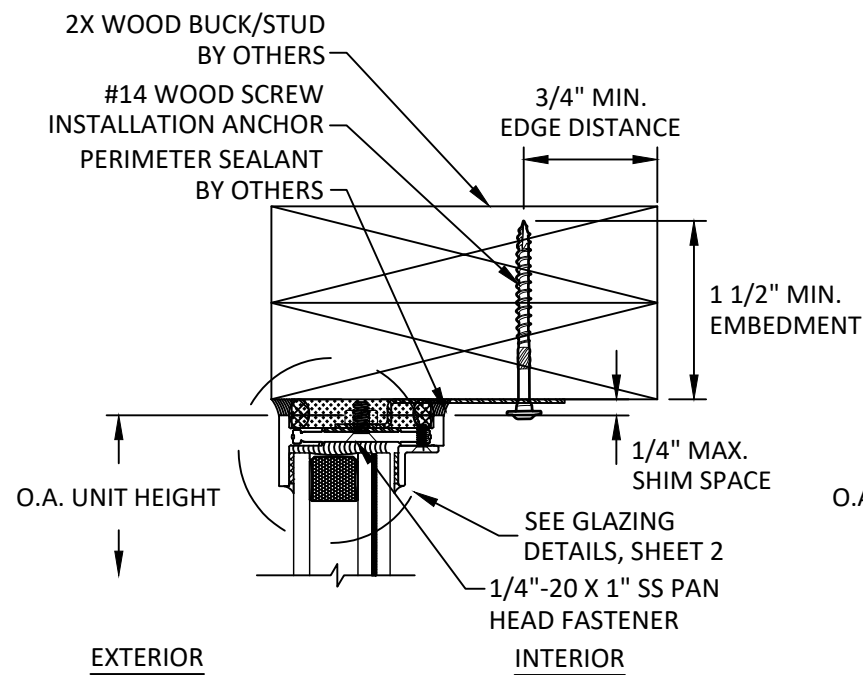
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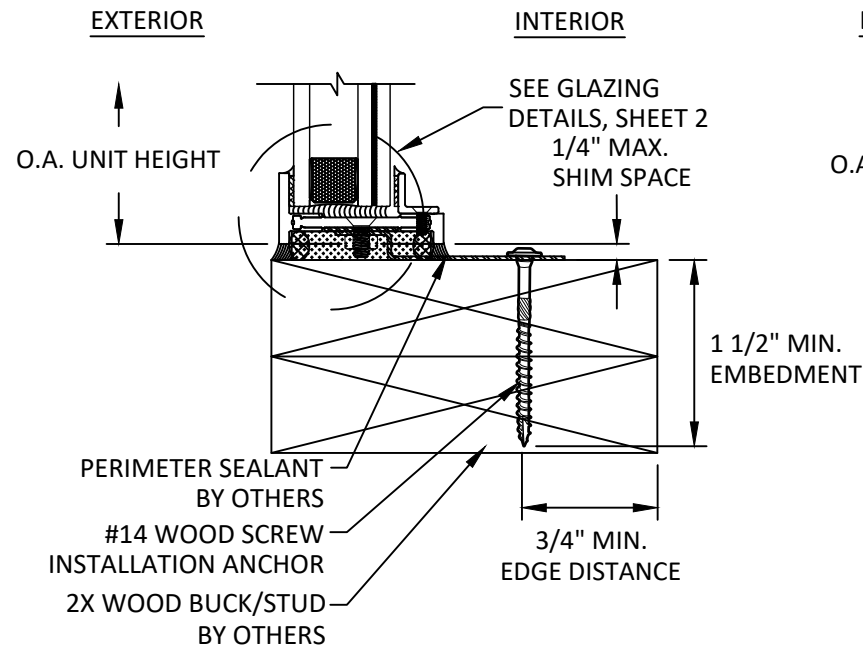
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OF 19

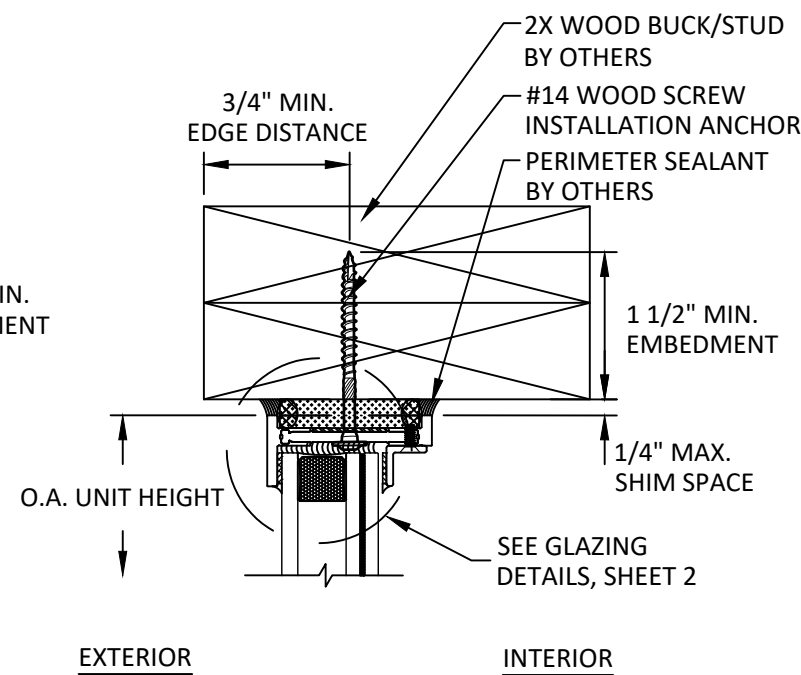
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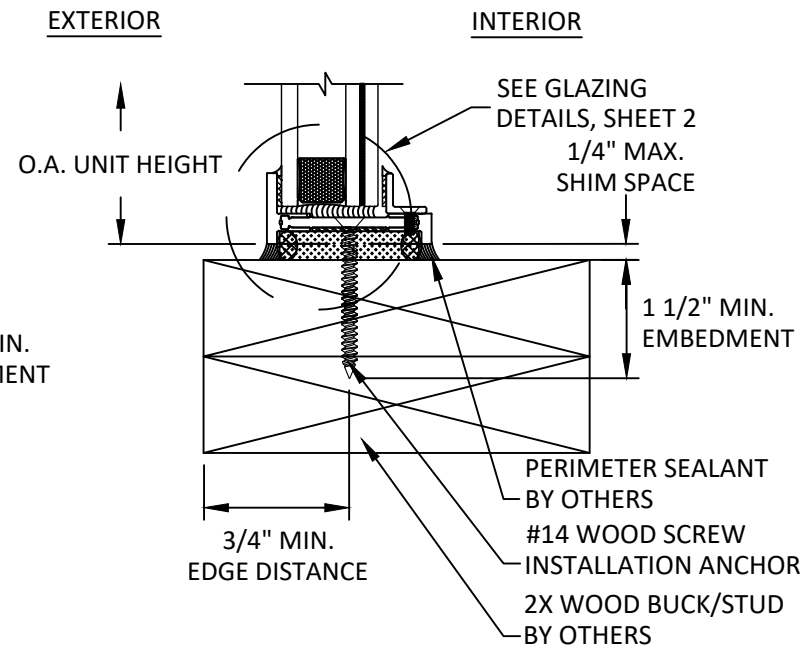
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8 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
STRAP INSTALLATION
SHORT LEG FRAME



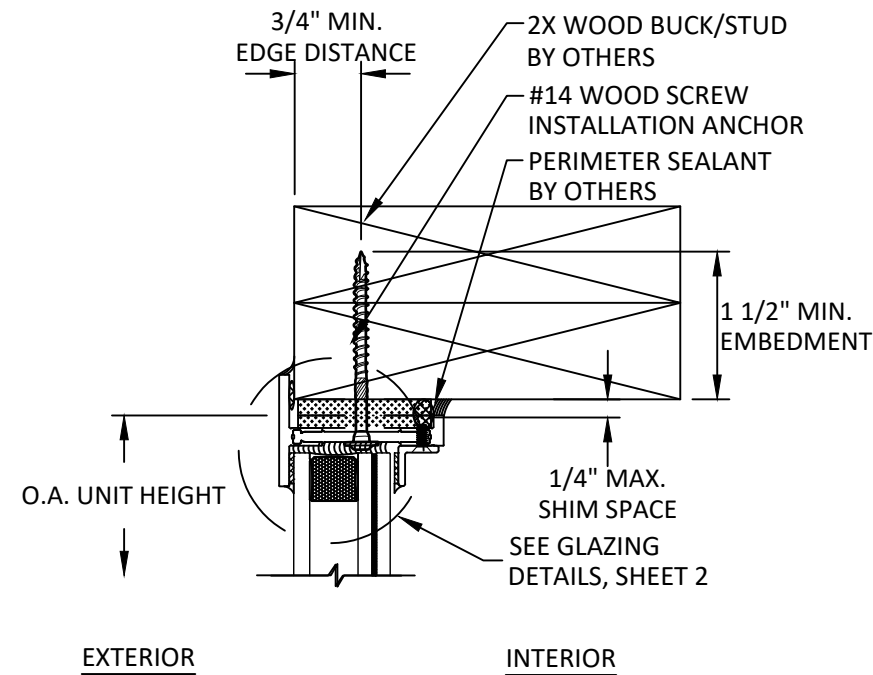
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8 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
STRAP INSTALLATION
SHORT LEG FRAME



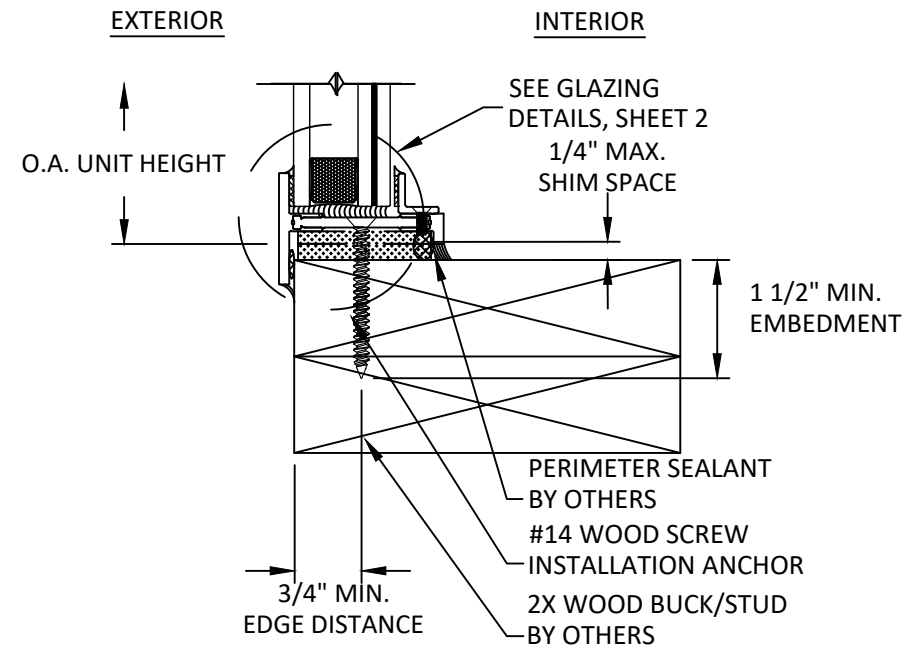
B
8 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
SHORT LEG FRAME



E
8 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
SHORT LEG FRAME



C
8 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
FLANGE INSTALLATION
SHORT LEG FRAME



F
8 **VERTICAL SECTION**
SILL - 2X WOOD BUCK
FLANGE INSTALLATION
SHORT LEG FRAME



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
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TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)

VERTICAL SECTIONS -
2X WOOD BUCK

PREPARED BY:

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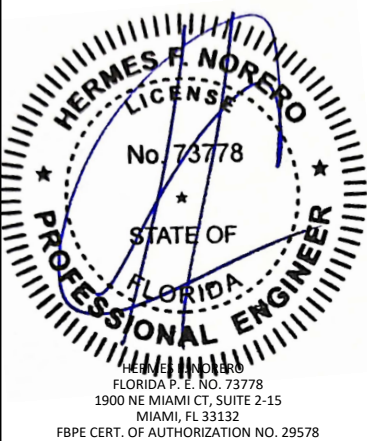
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132

PH: (954)399-8478
FAX: (954)744-4738
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DWG. BY: **SH** CHK. BY: **HN**

SCALE: **NTS**

DWG. #: **OPW010**

SHEET:

8

OF 19

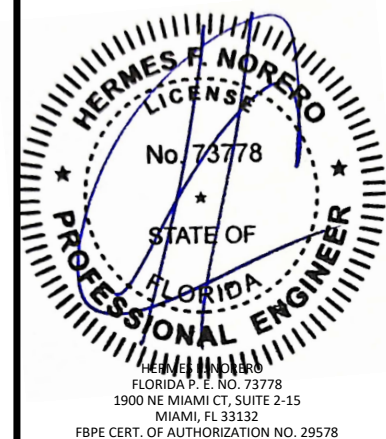


TITLE: *RTS-430I FIXED WINDOW
(WZ3)(IMPACT)*
VERTICAL SECTIONS -
CONCRETE/MASONRY

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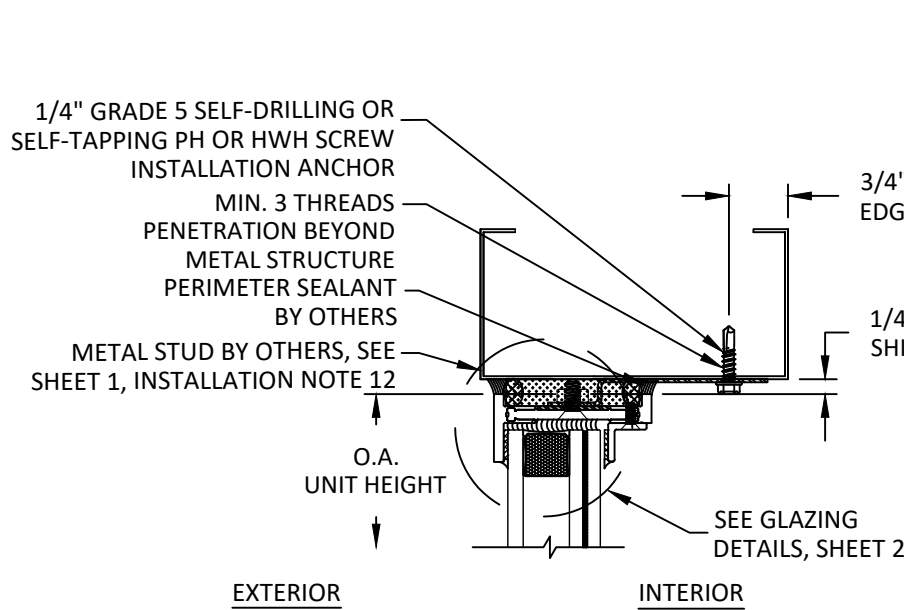
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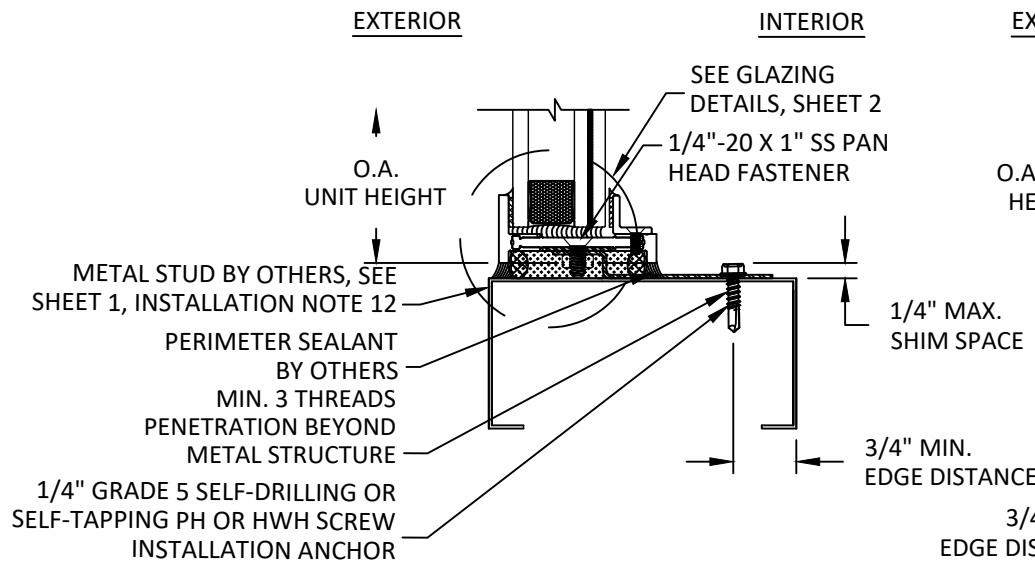
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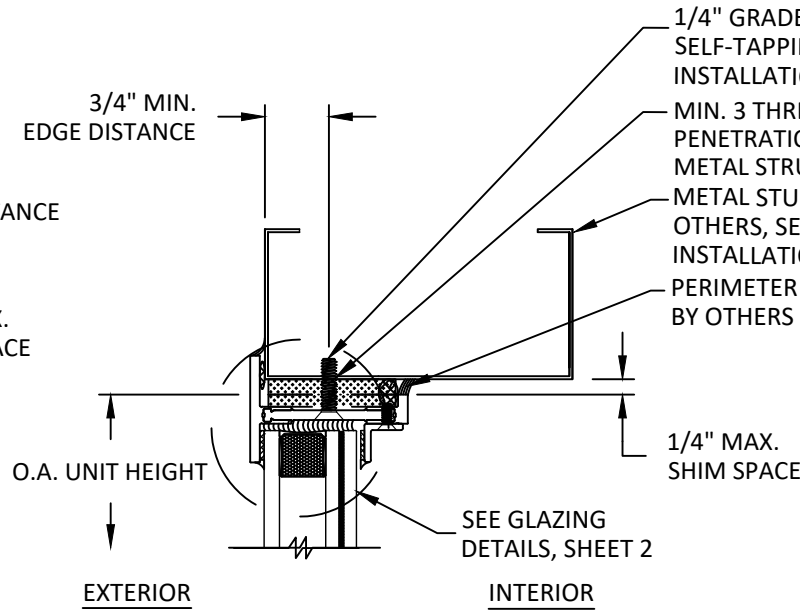
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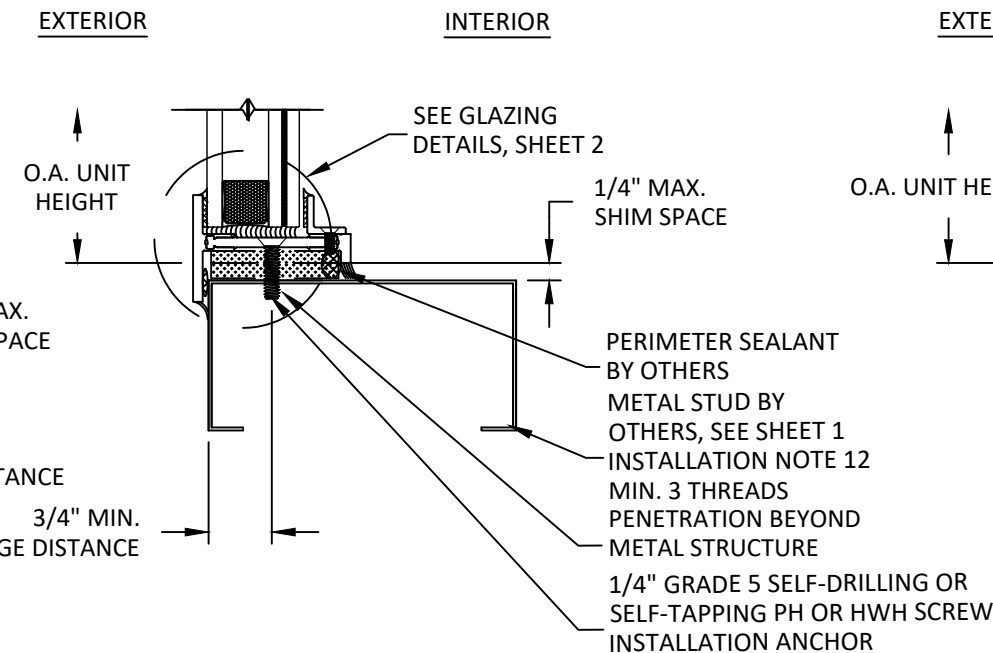
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10 **VERTICAL SECTION**
HEAD - METAL STUD
STRAP INSTALLATION
SHORT LEG FRAME



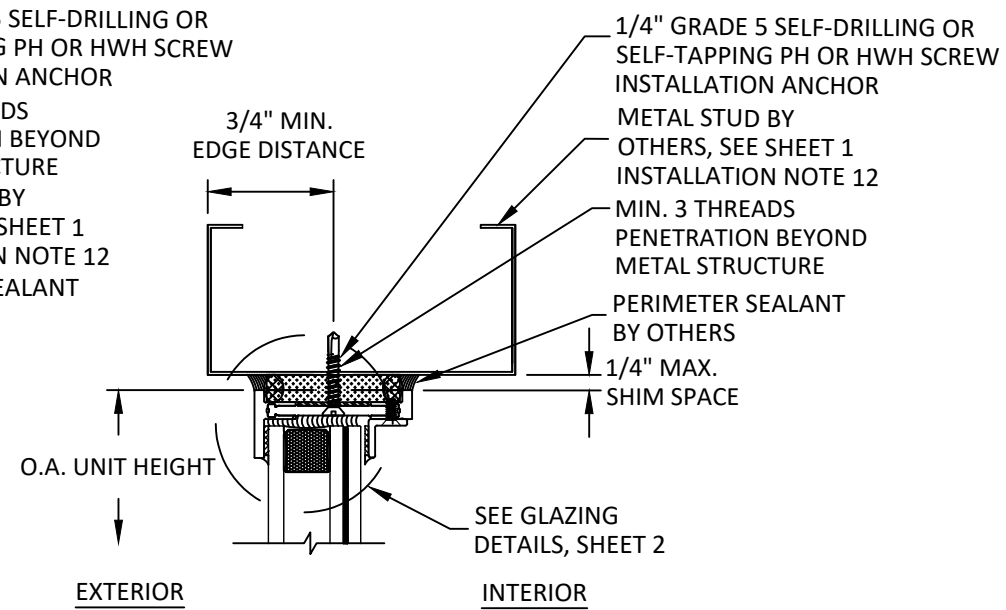
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10 **VERTICAL SECTION**
SILL - METAL STUD
STRAP INSTALLATION
SHORT LEG FRAME



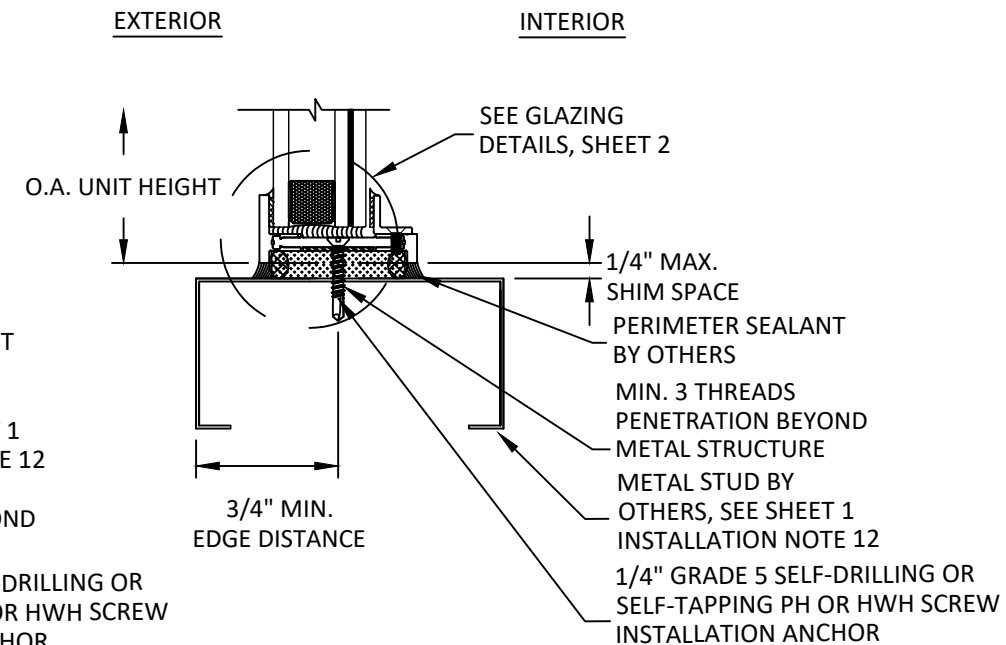
B
10 **VERTICAL SECTION**
HEAD - METAL STUD
FLANGE INSTALLATION
SHORT LEG FRAME



E
10 **VERTICAL SECTION**
SILL - METAL STUD
FLANGE INSTALLATION
SHORT LEG FRAME



C
10 **VERTICAL SECTION**
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
SHORT LEG FRAME



F
10 **VERTICAL SECTION**
SILL - METAL STUD
THROUGH FRAME INSTALLATION
SHORT LEG FRAME



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

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
VERTICAL SECTIONS -
METAL STUD

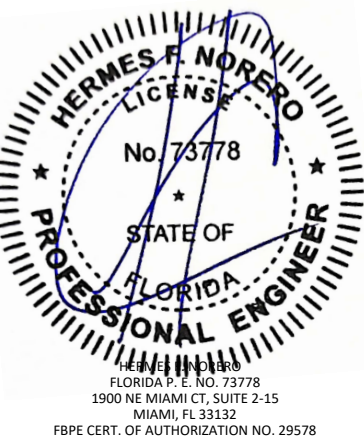
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SCALE: **NTS**

DWG. #: **OPW010**

SHEET:

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B **HORIZONTAL SECTION**

11 **JAMB- 2X WOOD BUCK FLANGE INSTALLATION SHORT LEG FRAME**



TITLE: *RTS-430i* FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
CONCRETE/MASONRY

PREPARED BY:

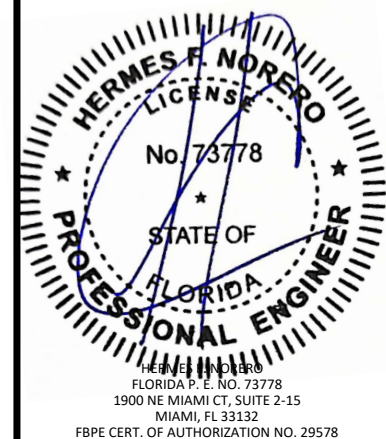
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DWG. BY: SH	CHK. BY: HN
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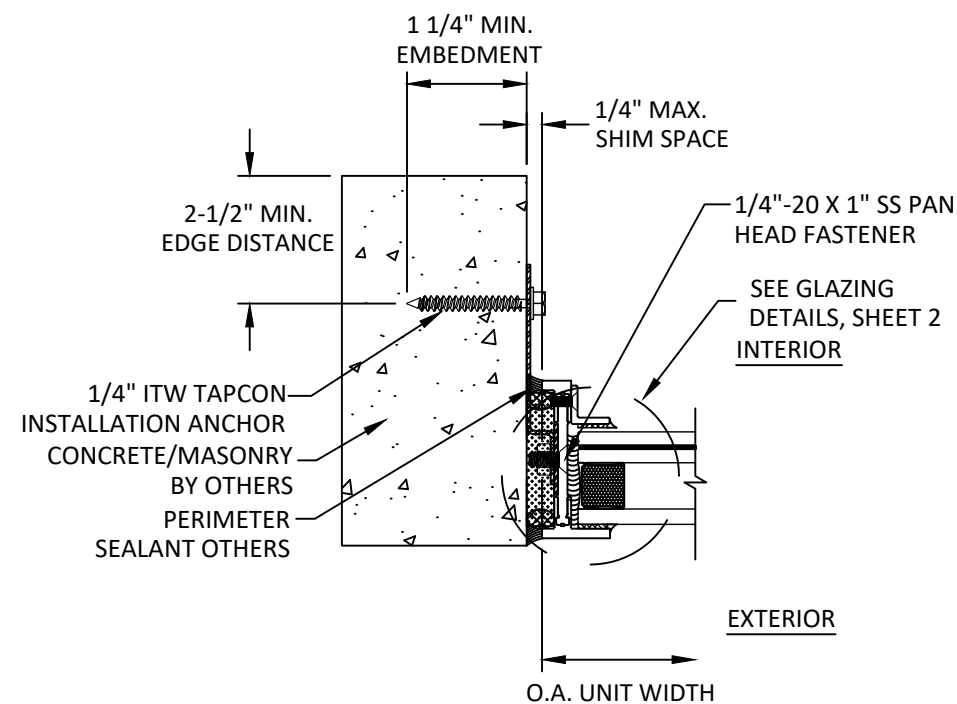
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DWG. #: OPW010

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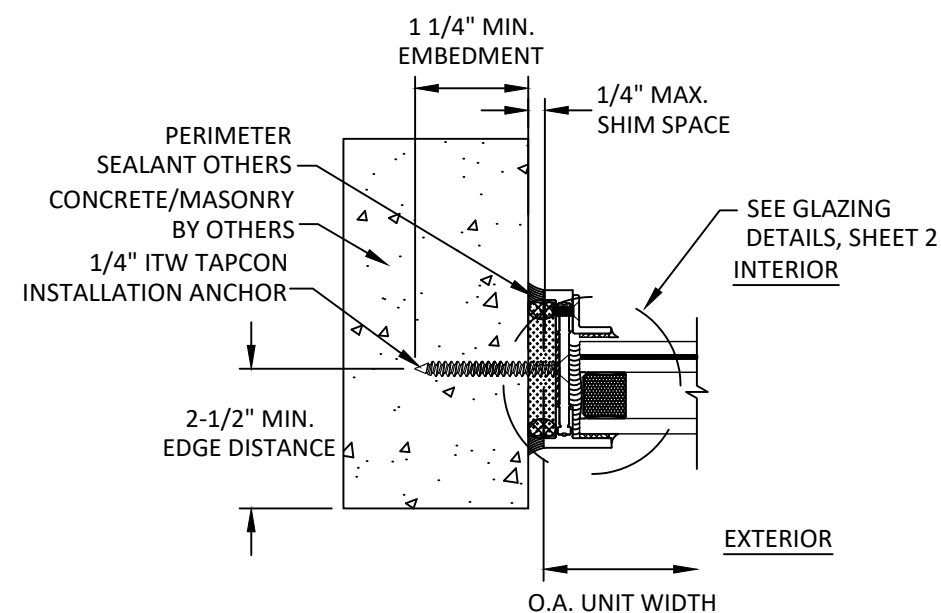
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OF 19



A HORIZONTAL SECTION

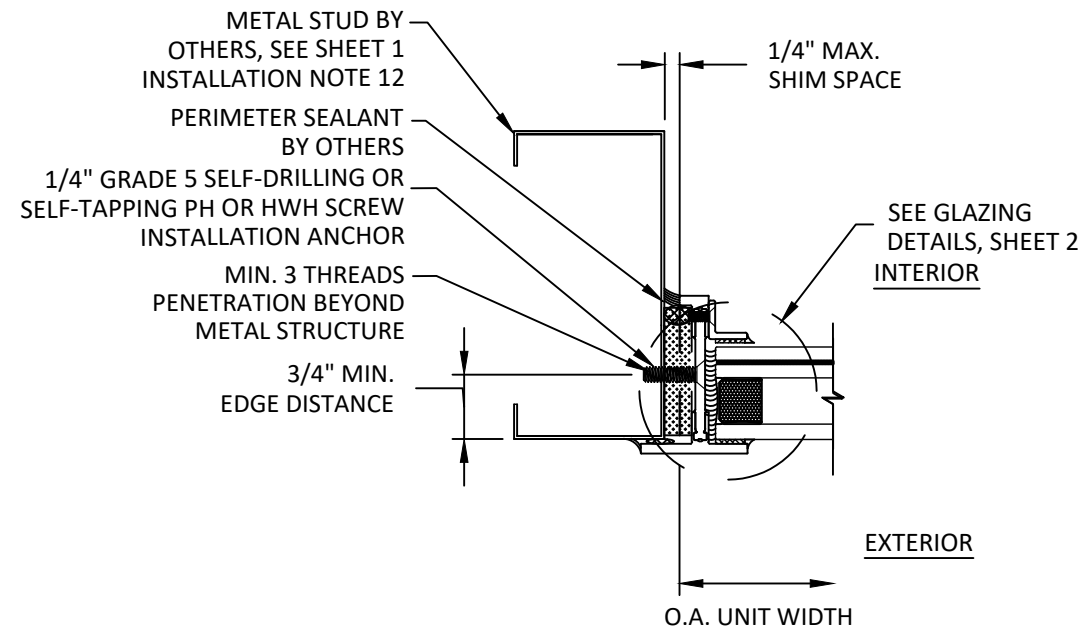
12 JAMB- CONCRETE/MASONRY STRAP INSTALLATION SHORT LEG FRAME



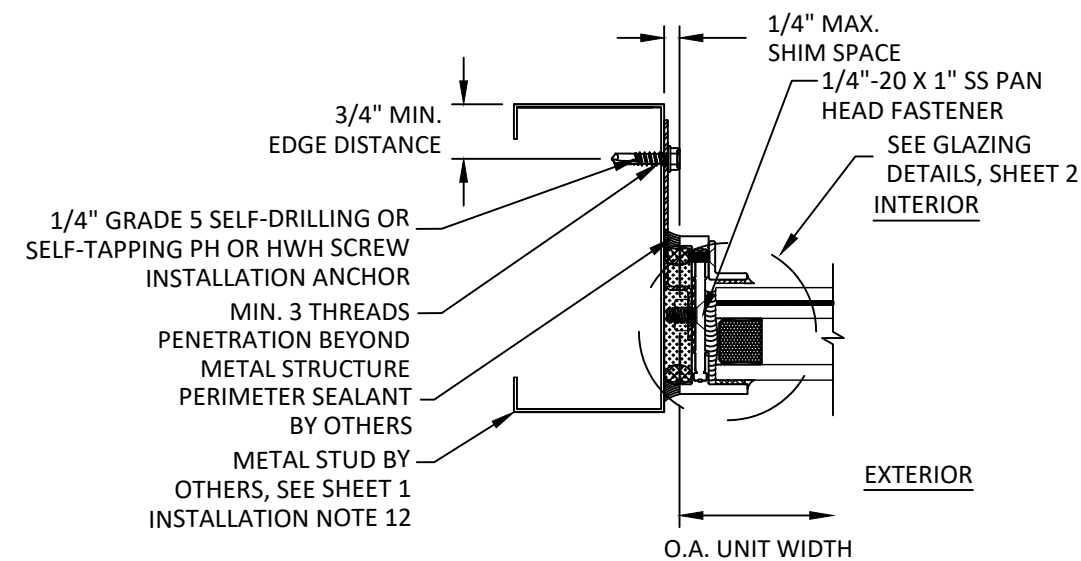
B HORIZONTAL SECTION

12 JAMB- CONCRETE/MASONRY THROUGH FRAME INSTALLATION SHORT LEG FRAME

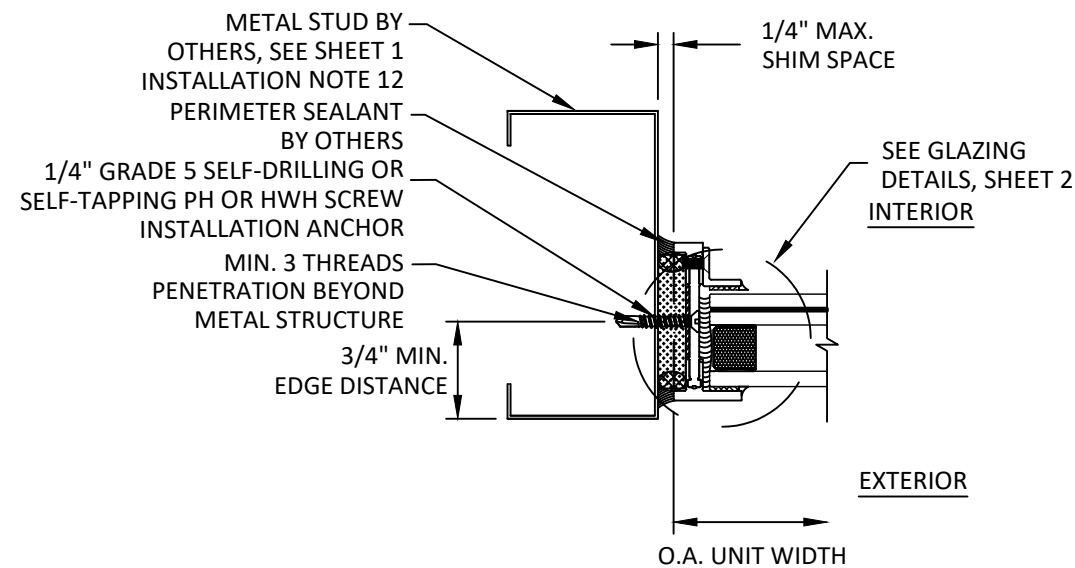
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A
13 **HORIZONTAL SECTION**
JAMB- METAL STUD
FLANGE INSTALLATION
SHORT LEG FRAME



B
13 **HORIZONTAL SECTION**
JAMB- METAL STUD
STRAP INSTALLATION
SHORT LEG FRAME



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



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

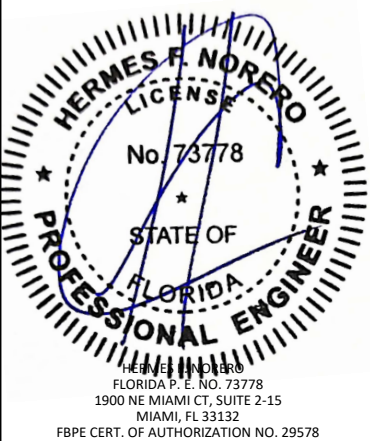
TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
METAL STUD

PREPARED BY:
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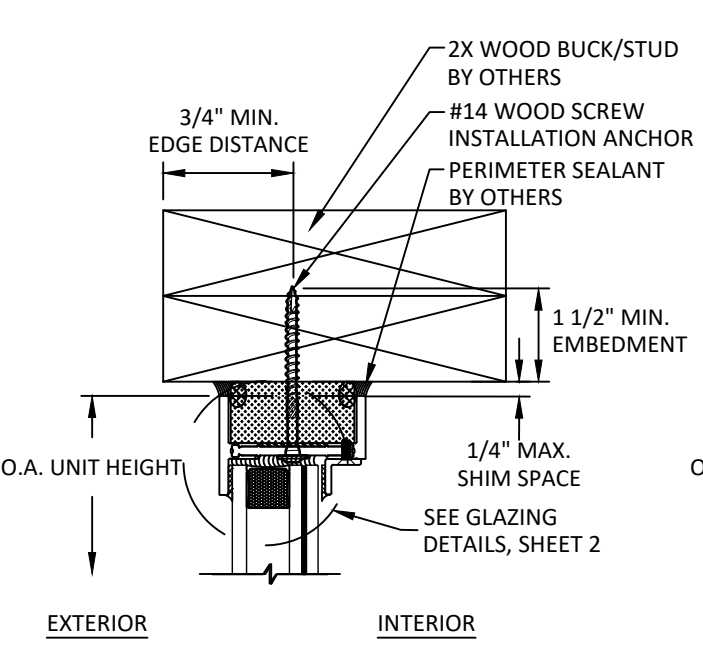
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DWG. #: **OPW010**

SHEET:

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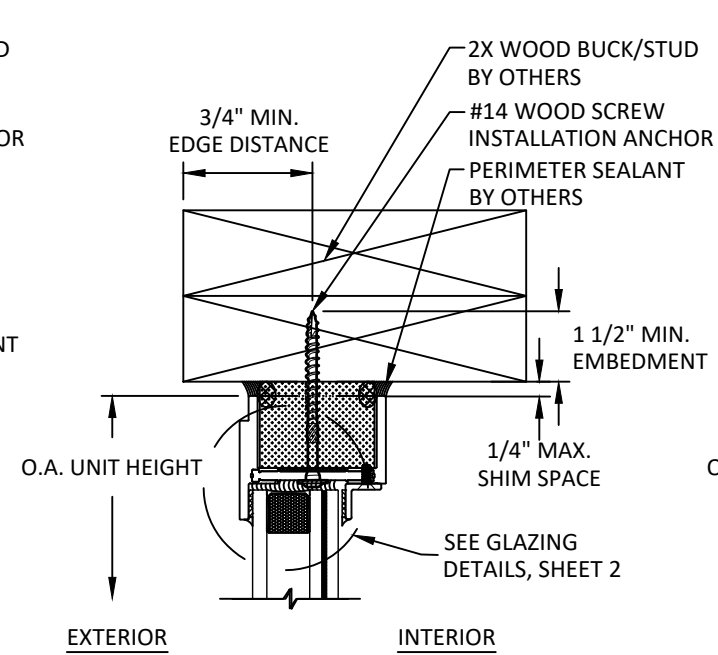
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A
14

VERTICAL SECTION

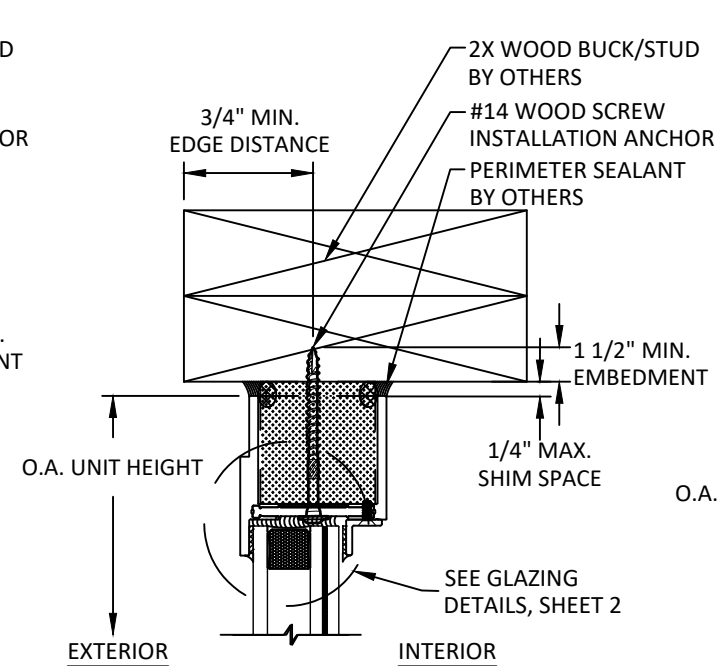
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG FRAME



B
14

VERTICAL SECTION

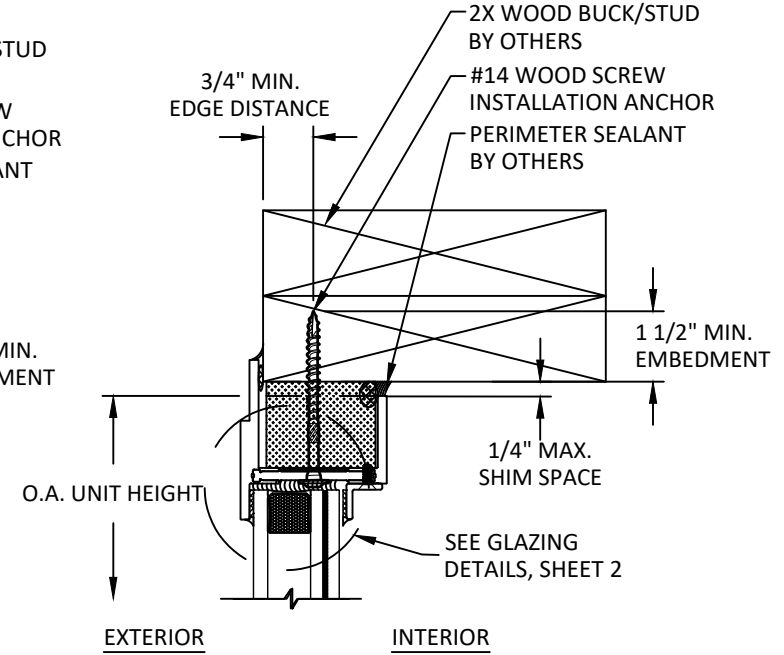
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



C
14

VERTICAL SECTION

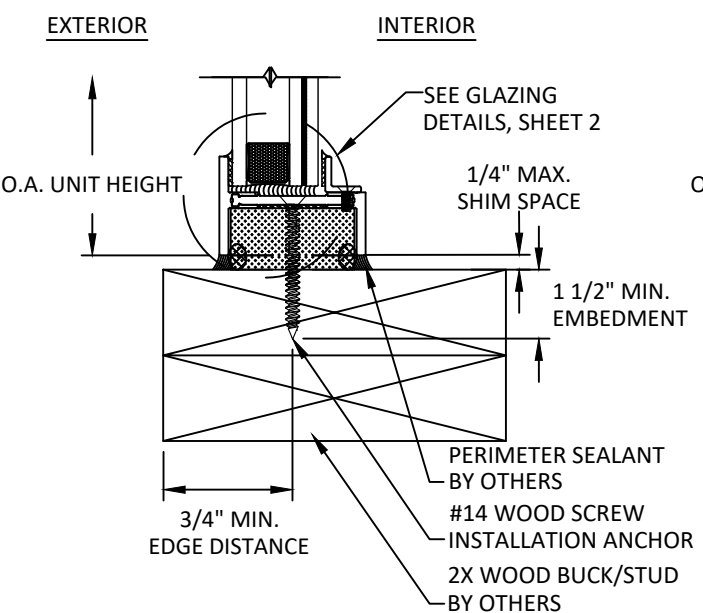
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



D
14

VERTICAL SECTION

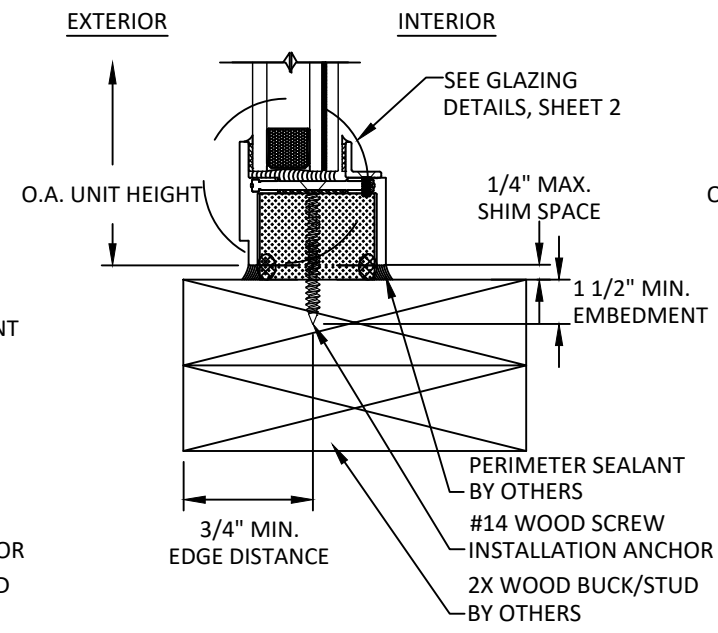
HEAD - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
UNEQUAL LEG SIGHTLINE FRAME



E
14

VERTICAL SECTION

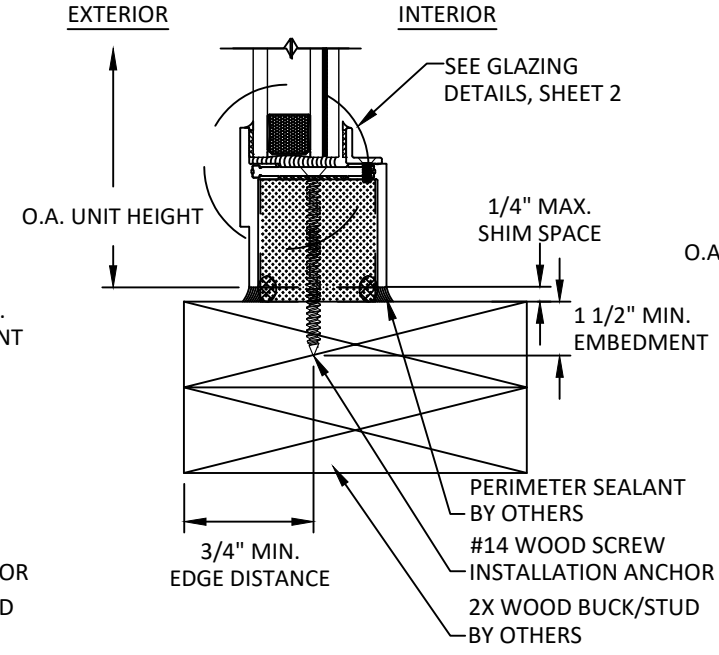
SILL - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG FRAME



F
14

VERTICAL SECTION

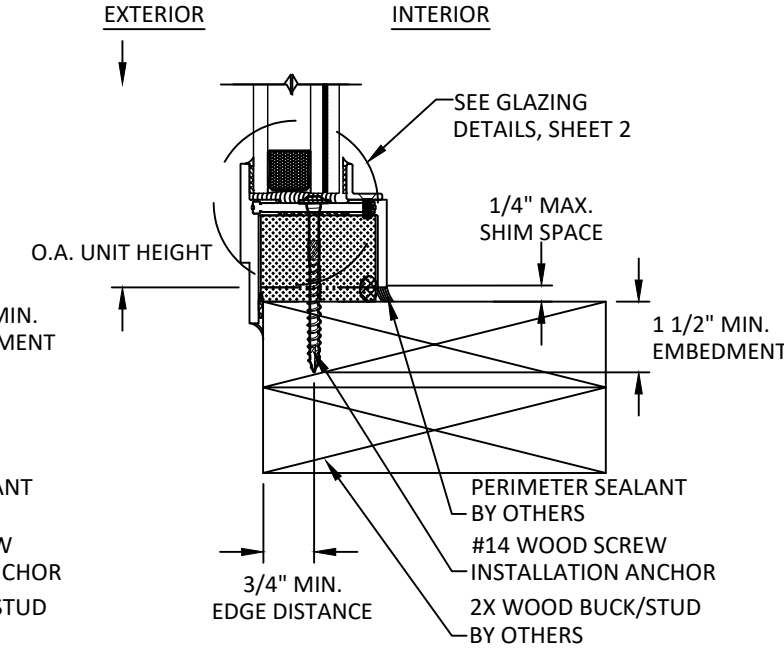
SILL - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



G
14

VERTICAL SECTION

SILL - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



H
14

VERTICAL SECTION

SILL - 2X WOOD BUCK
THROUGH FRAME INSTALLATION
UNEQUAL LEG SIGHTLINE FRAME



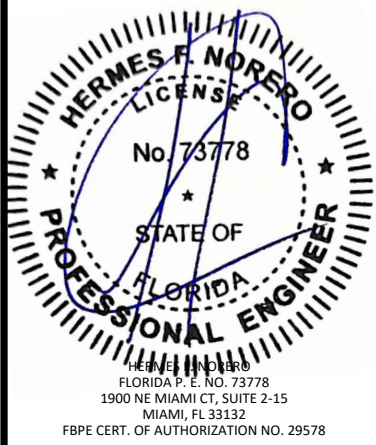
OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845)647-1900
FAX: (845)647-1494

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
2X WOOD STUD

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

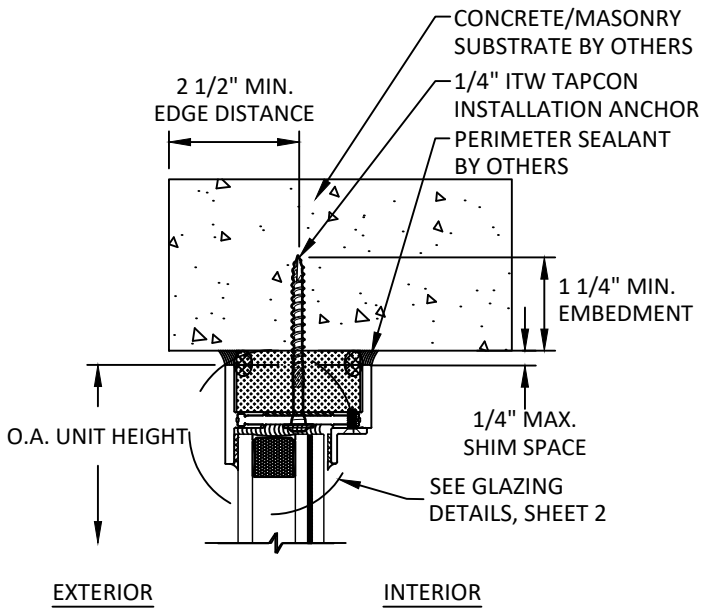
REMARKS	BY	DATE
FBC 23 CODE CHANGE	FB	02/24
NAME CHANGE	DB	02/25
MISC. REVISION	MS	01/26

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FL #:	FL22639
DATE:	01.05.22
DWG. BY:	SH
CHK. BY:	HN
SCALE:	NTS
DWG. #:	OPW010
SHEET:	

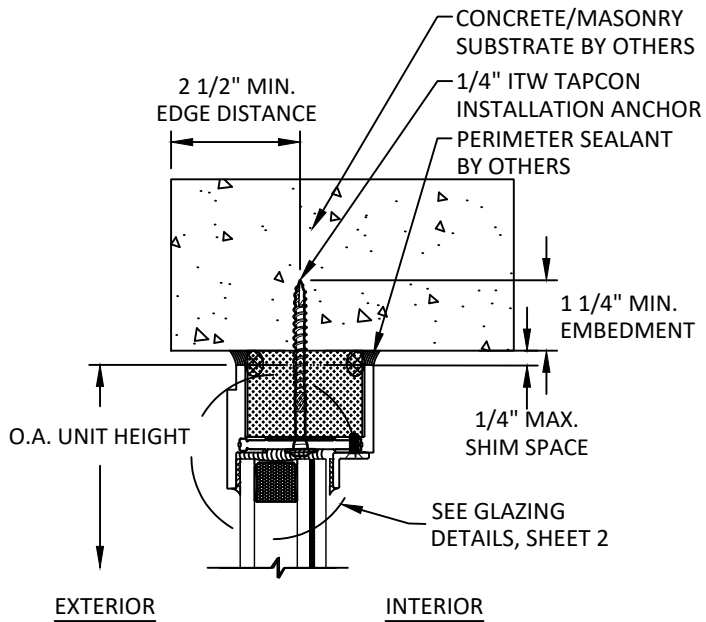
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A
15

VERTICAL SECTION

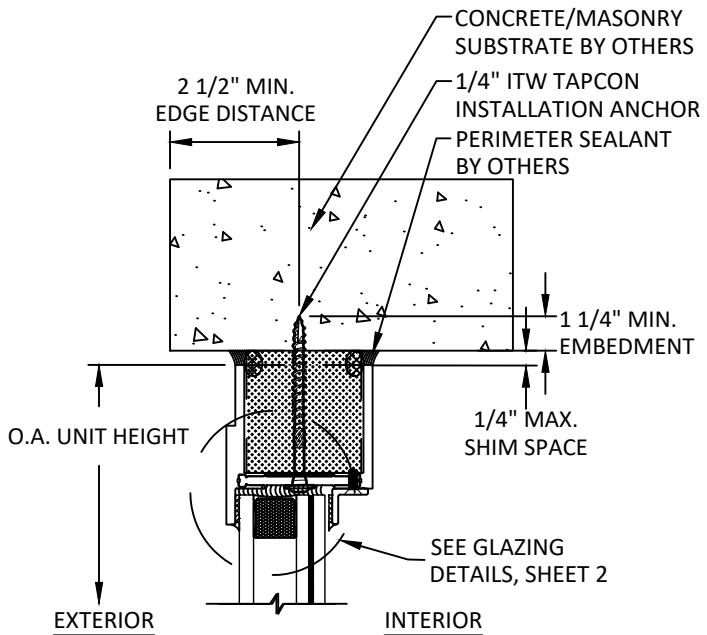
HEAD - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG FRAME



B
15

VERTICAL SECTION

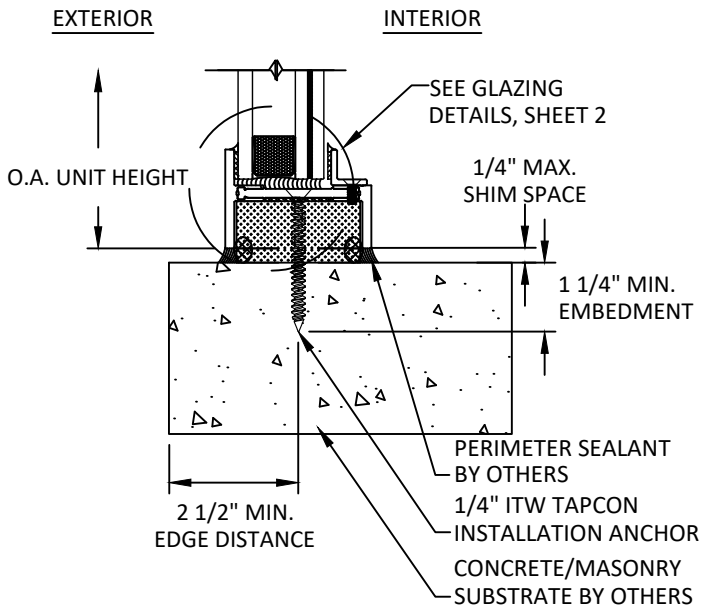
HEAD - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



C
15

VERTICAL SECTION

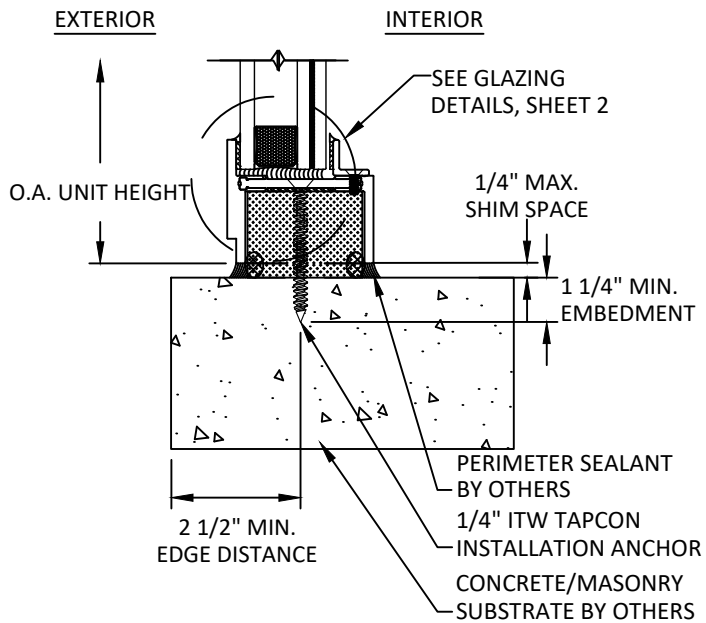
HEAD - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



D
15

VERTICAL SECTION

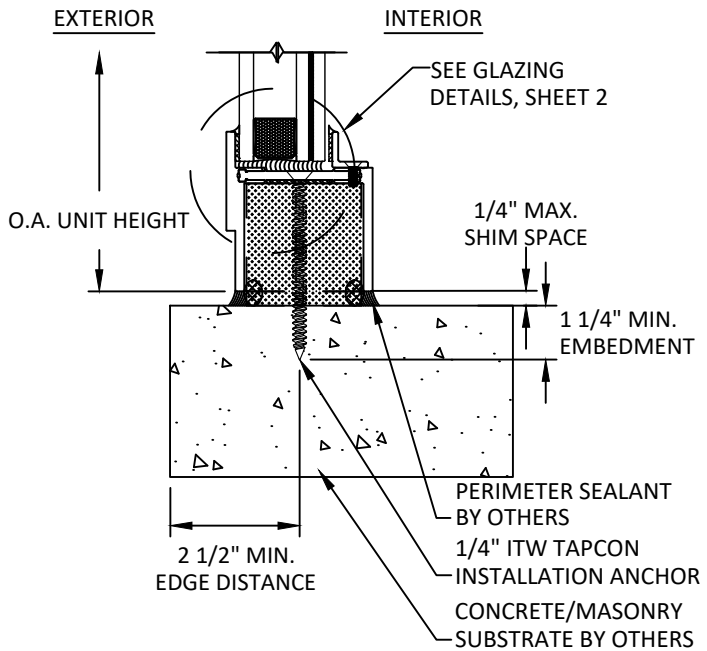
SILL - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG FRAME



E
15

VERTICAL SECTION

SILL - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



F
15

VERTICAL SECTION

SILL - CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



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

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
CONCRETE/MASONRY

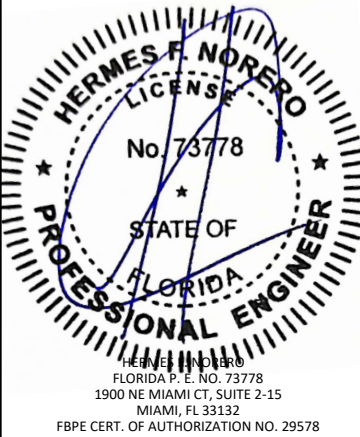
PREPARED BY:

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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SH

CHK. BY:
HN

SCALE: **NTS**

DWG. #: **OPW010**

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

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)

HORIZONTAL SECTIONS -
METAL STUD

PREPARED BY:

BUILDING DROPS, INC.

1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132

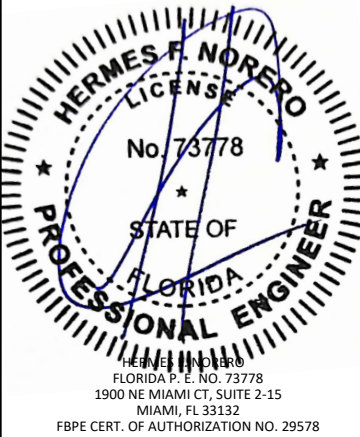
PH: (954)399-8478
FAX: (954)744-4738

WEB: www.buildingdrops.com



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HN

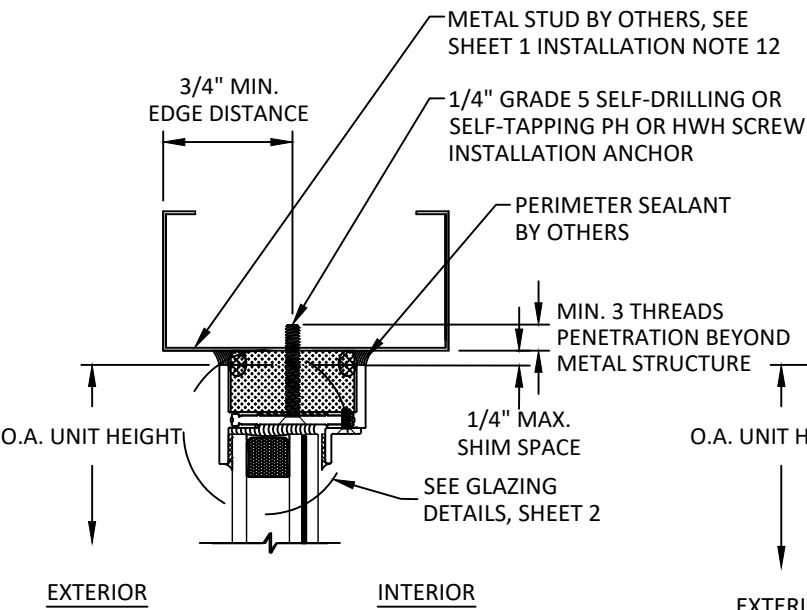
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DWG. #: OPW010

SHEET:

16

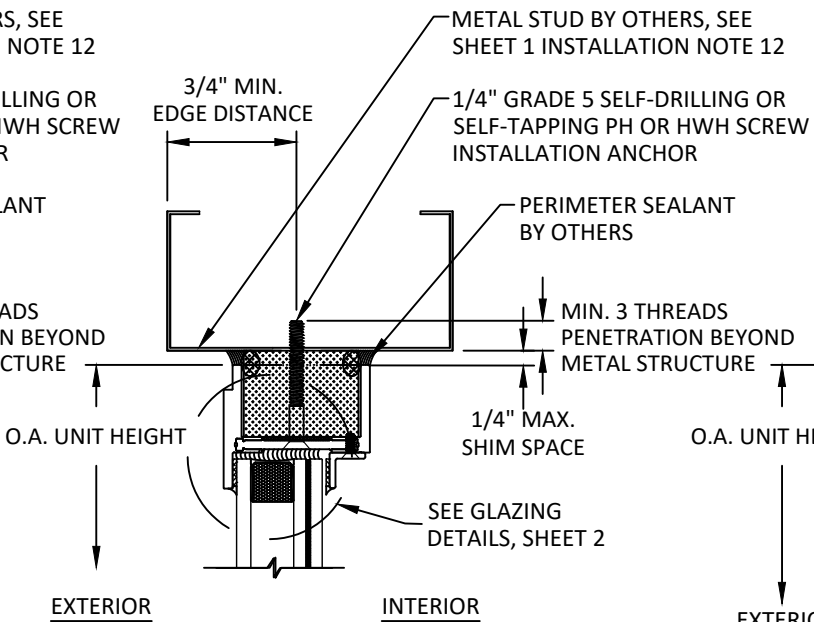
OF 19



A
16

VERTICAL SECTION

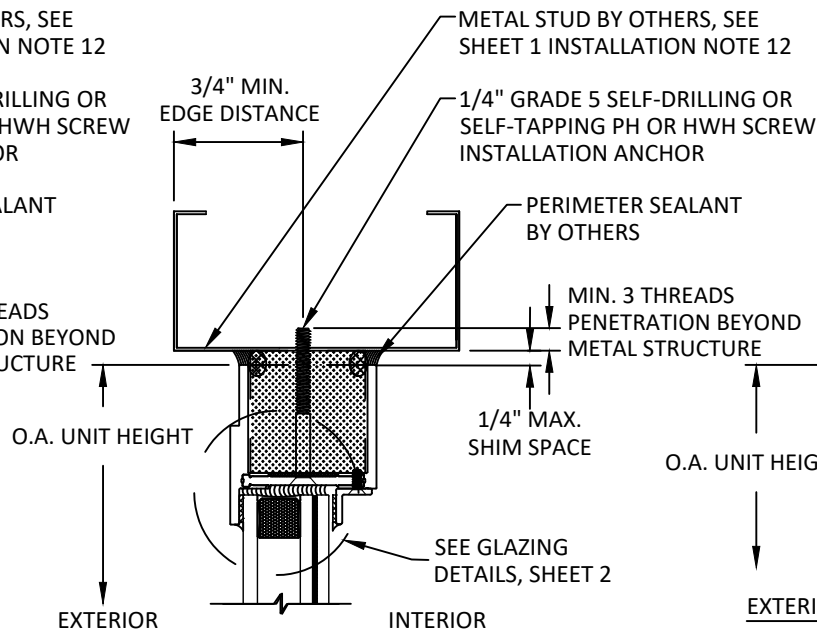
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG FRAME



B
16

VERTICAL SECTION

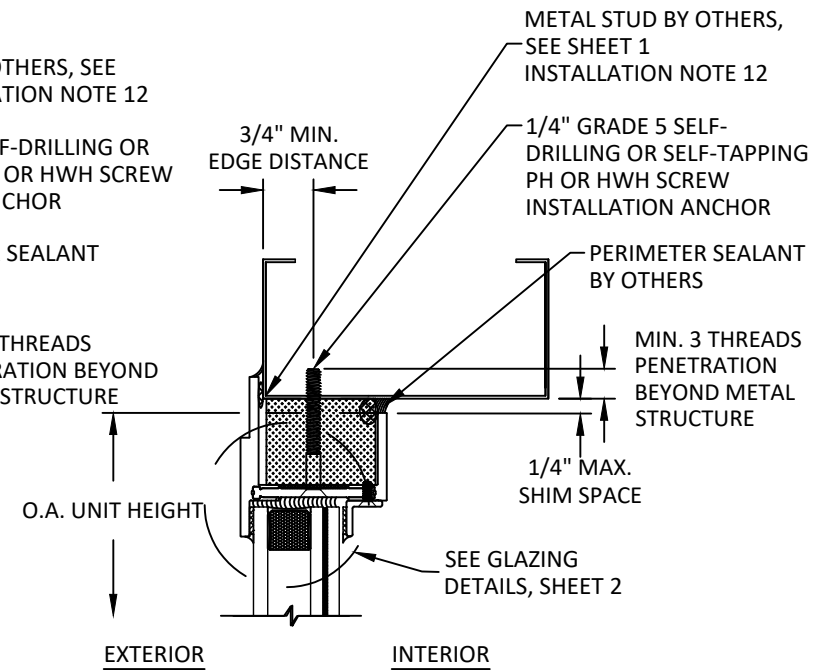
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



C
16

VERTICAL SECTION

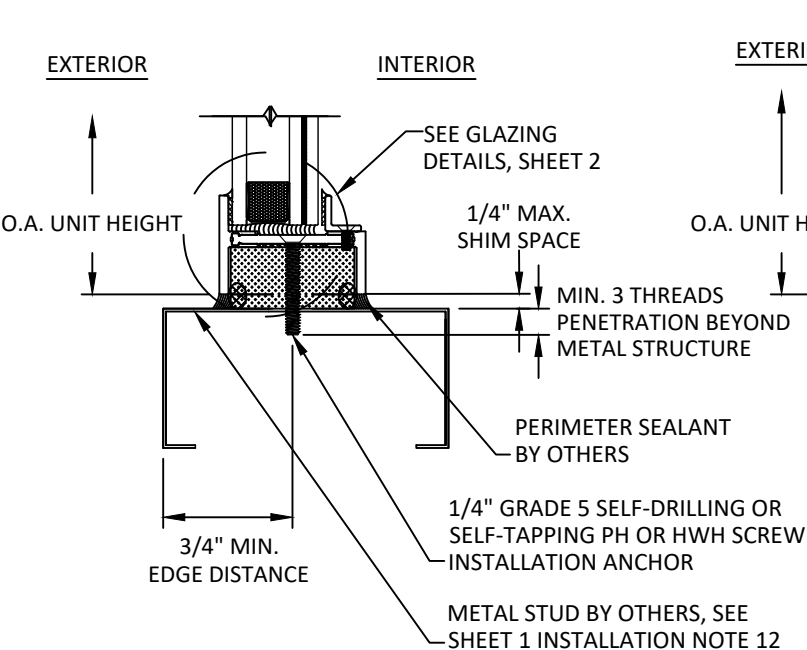
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



D
16

VERTICAL SECTION

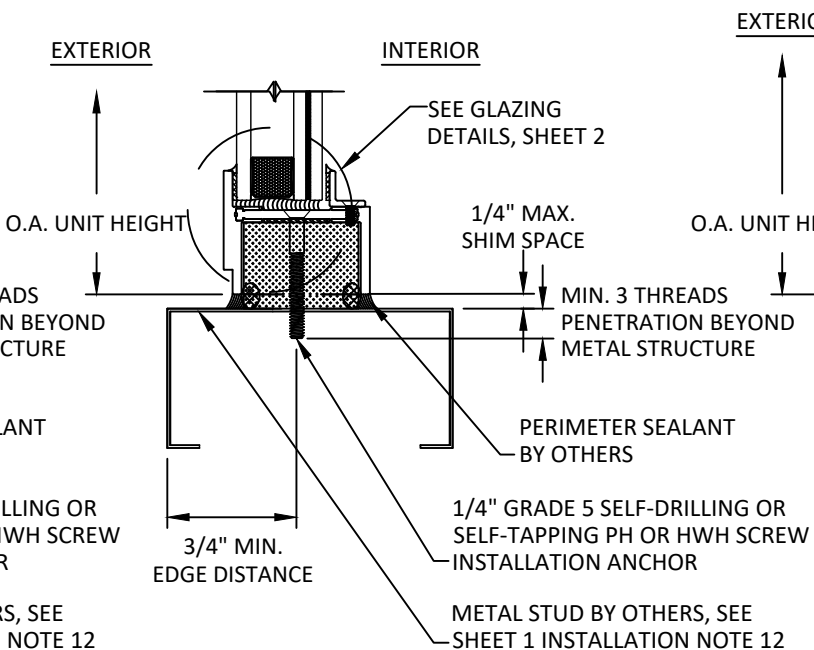
HEAD - METAL STUD
THROUGH FRAME INSTALLATION
UNEQUAL LEG SIGHTLINE FRAME



E
16

VERTICAL SECTION

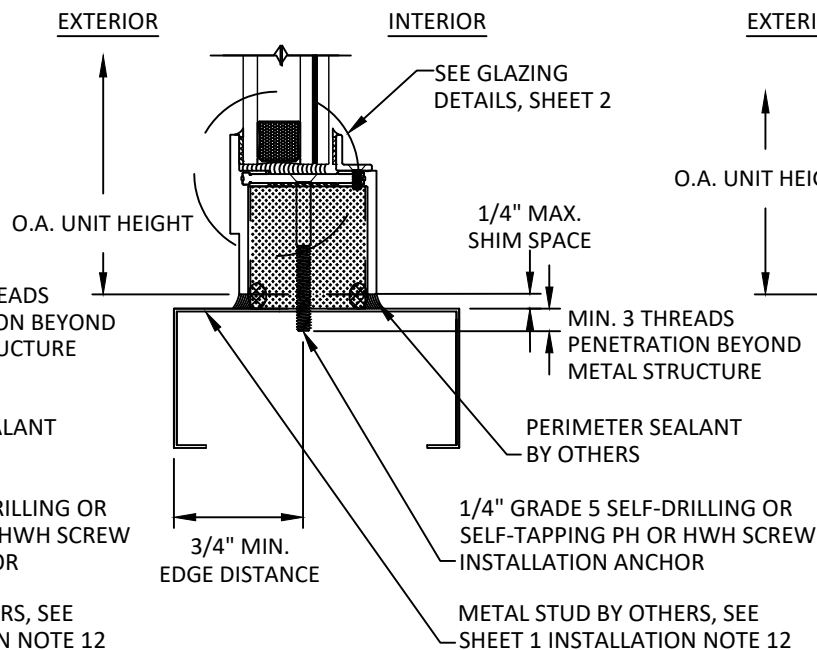
SILL - METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG FRAME



F
16

VERTICAL SECTION

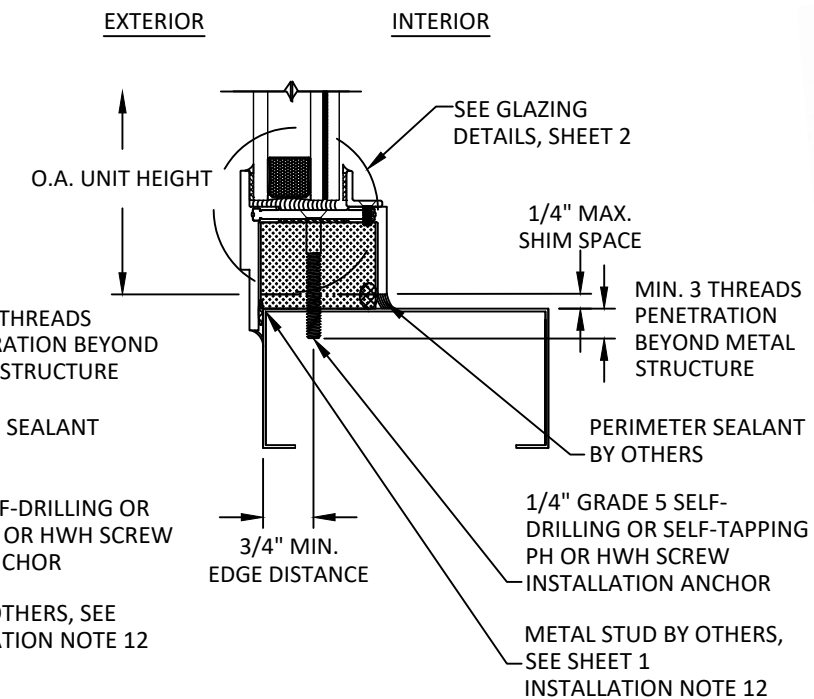
SILL - METAL STUD
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



G
16

VERTICAL SECTION

SILL - METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME

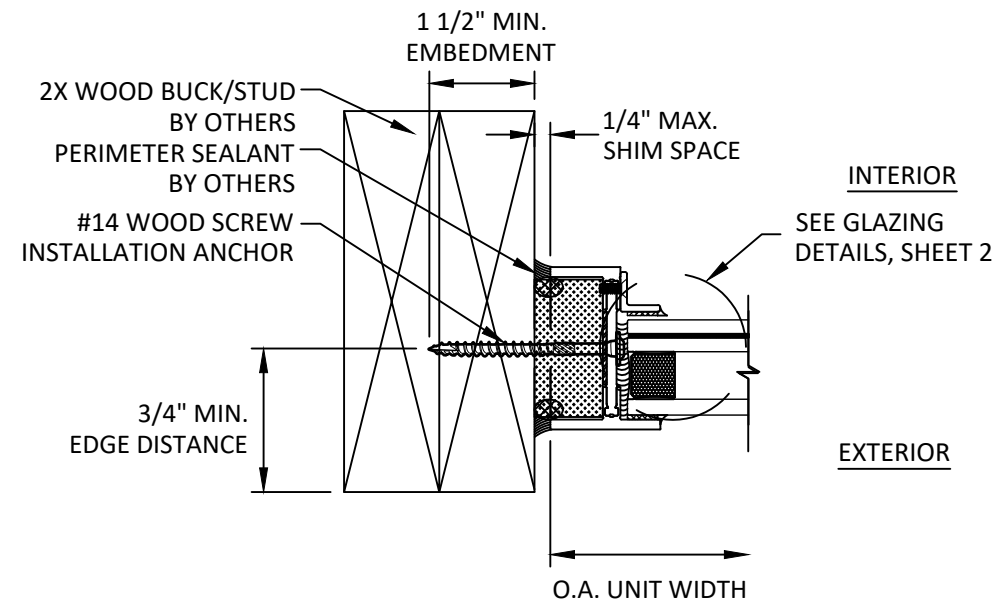


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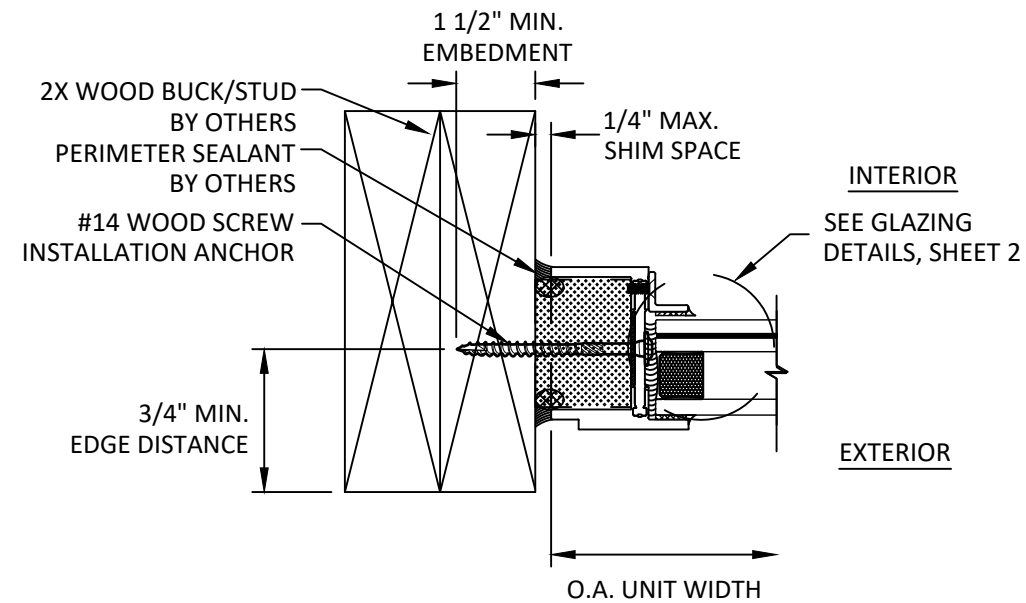
VERTICAL SECTION

SILL - METAL STUD
THROUGH FRAME INSTALLATION
UNEQUAL LEG SIGHTLINE FRAME

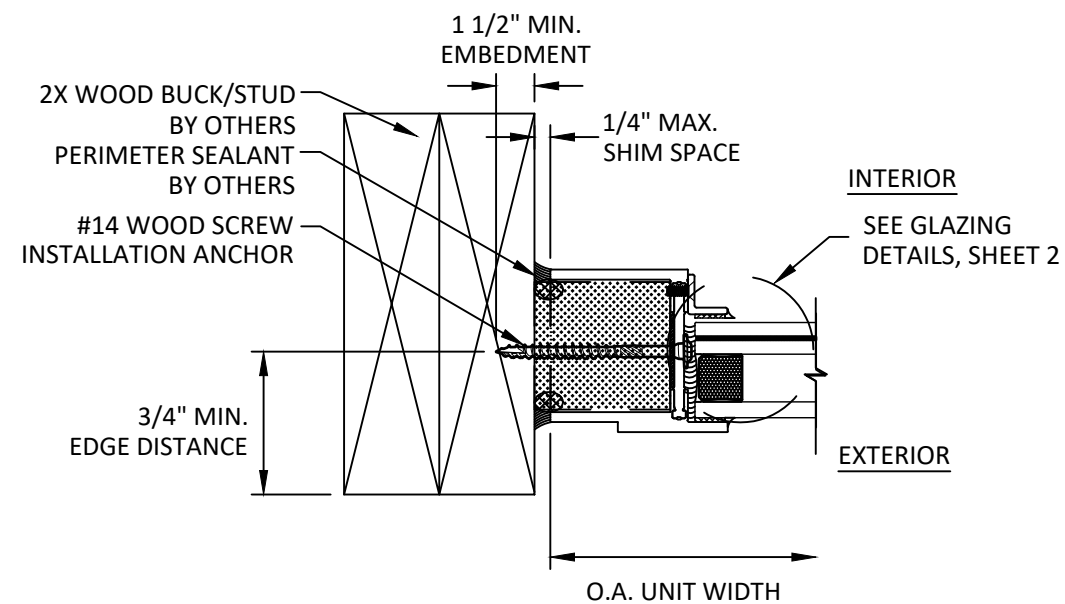
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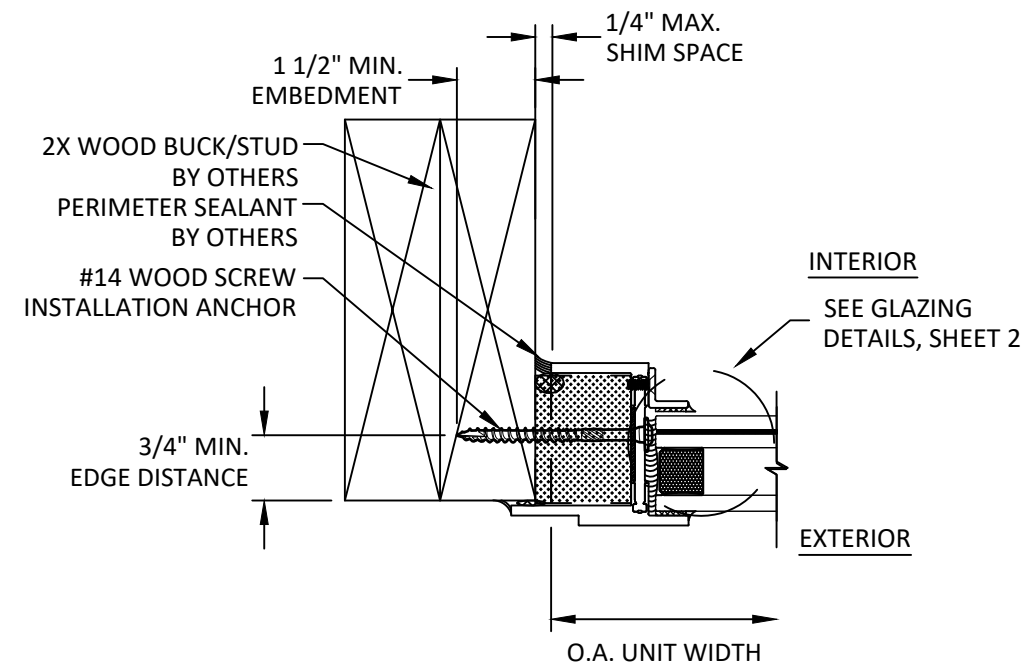
A **HORIZONTAL SECTION**
17 JAMB- 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG FRAME



B **HORIZONTAL SECTION**
17 JAMB- 2X WOOD BUCK
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



C **HORIZONTAL SECTION**
17 JAMB- 2X WOOD BUCK
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



D **HORIZONTAL SECTION**
17 JAMB- 2X WOOD BUCK
THROUGH FRAME INSTALLATION
UNEQUAL LEG SIGHTLINE FRAME



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

TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
2X WOOD STUD

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



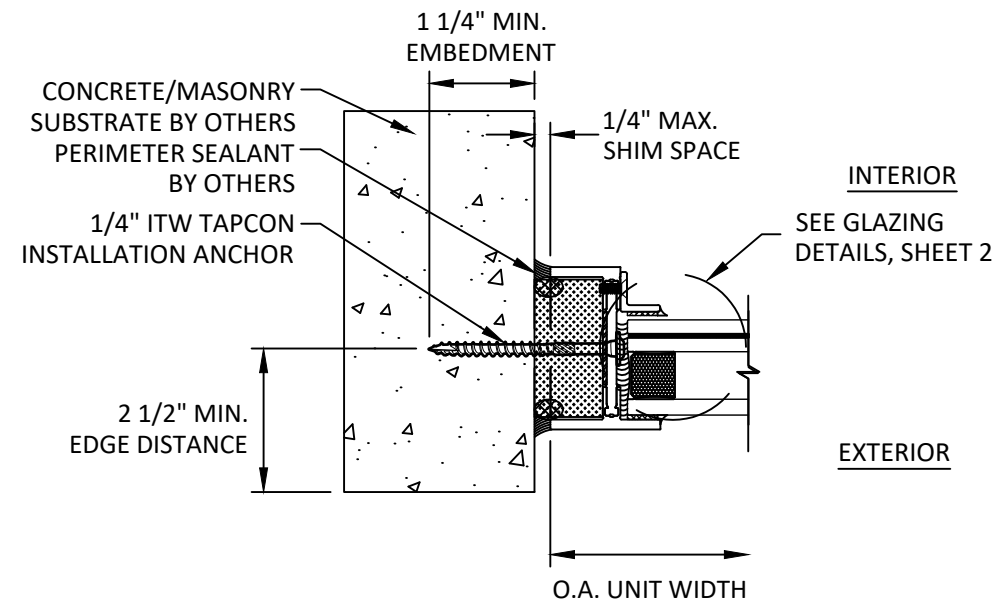
REMARKS	BY	DATE
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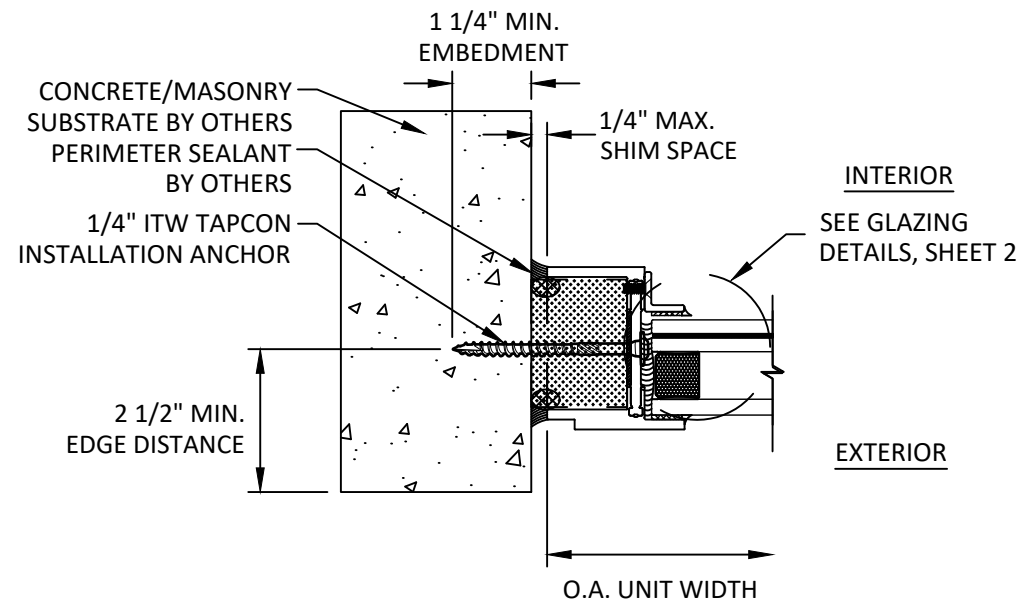


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CHK. BY:	HN
SCALE:	NTS
DWG. #:	OPW010
SHEET:	

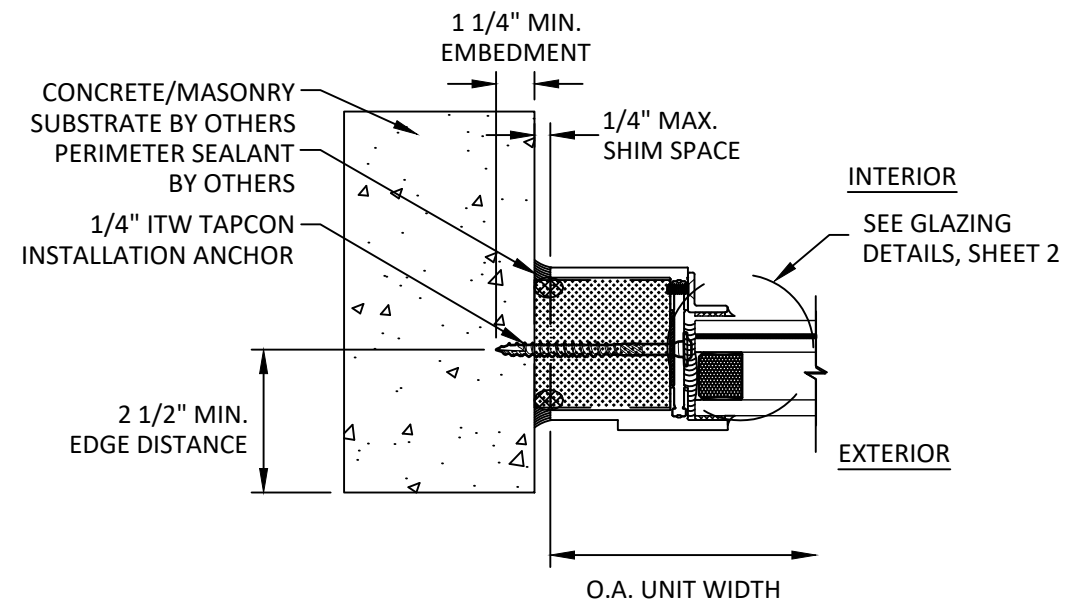
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A **HORIZONTAL SECTION**
18 JAMB- CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG FRAME



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



C **HORIZONTAL SECTION**
18 JAMB- CONCRETE/MASONRY
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



OPTIMUM STEEL WINDOWS AND DOORS
28 CANAL STREET
ELLENVILLE, NY 12428
PH: (845)647-1900
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TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
CONCRETE/MASONRY

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DWG. #: **OPW010**

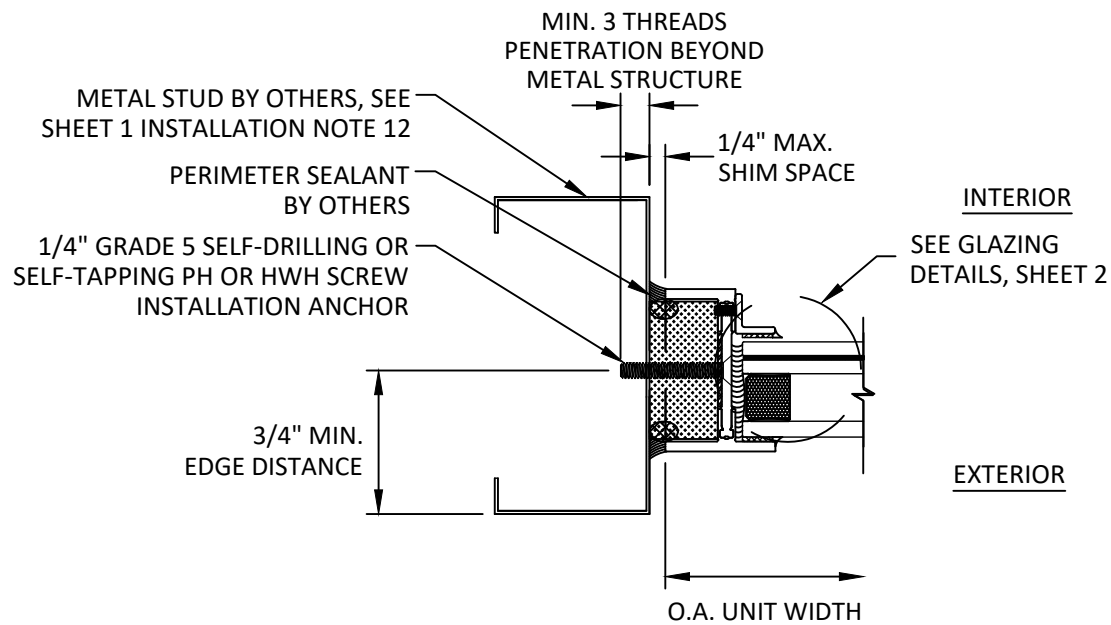
SHEET:

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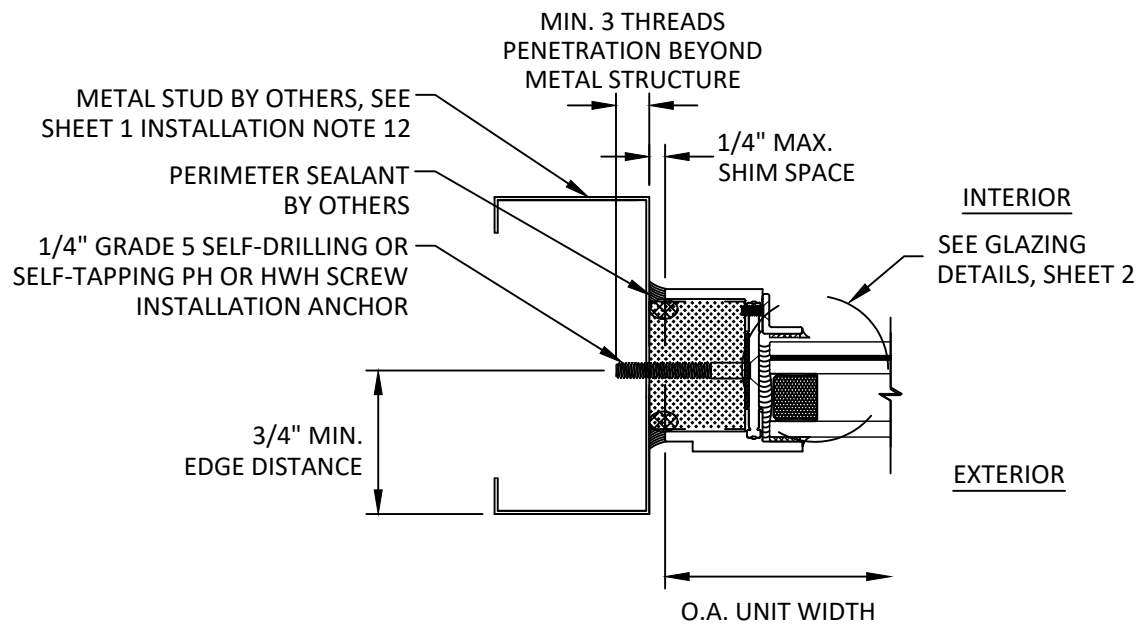
OF 19

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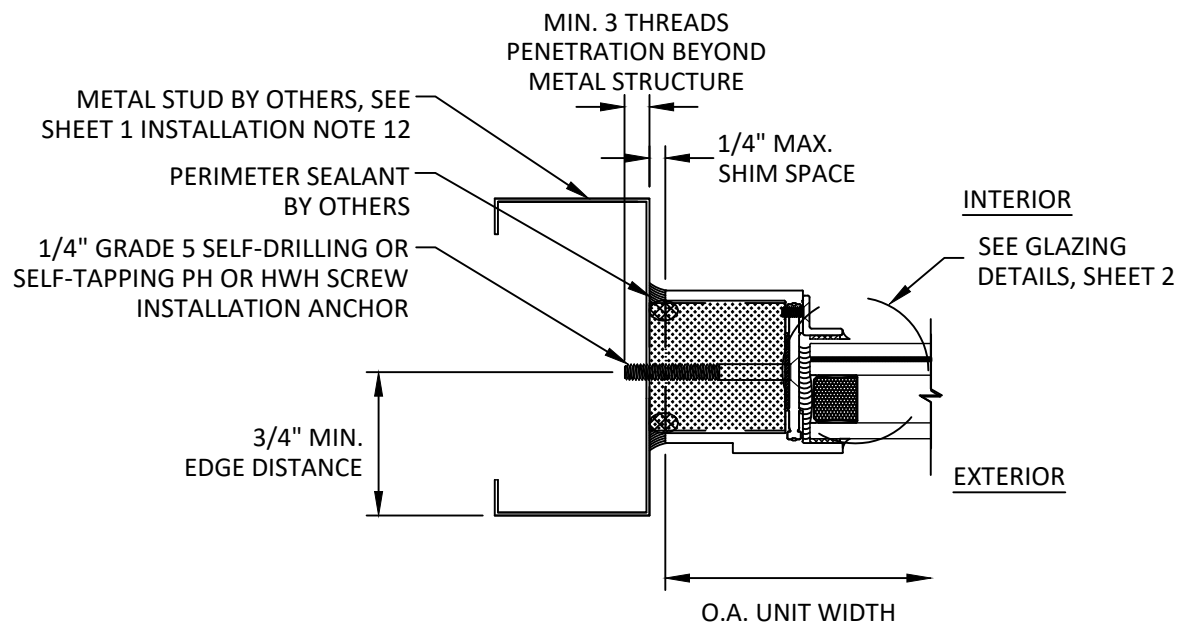
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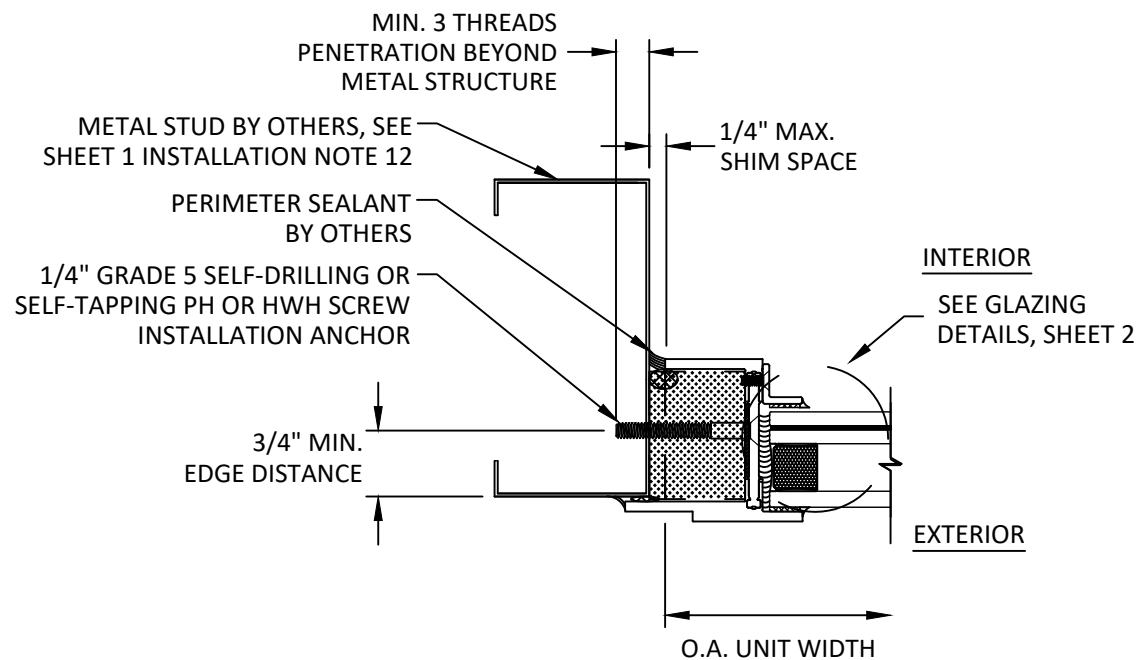
A **HORIZONTAL SECTION**
19 JAMB- METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG FRAME



B **HORIZONTAL SECTION**
19 JAMB- METAL STUD
THROUGH FRAME INSTALLATION
SHORT LEG SIGHTLINE FRAME



C **HORIZONTAL SECTION**
19 JAMB- METAL STUD
THROUGH FRAME INSTALLATION
LONG LEG SIGHTLINE FRAME



D **HORIZONTAL SECTION**
19 JAMB- METAL STUD
THROUGH FRAME INSTALLATION
UNEQUAL LEG SIGHTLINE FRAME



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

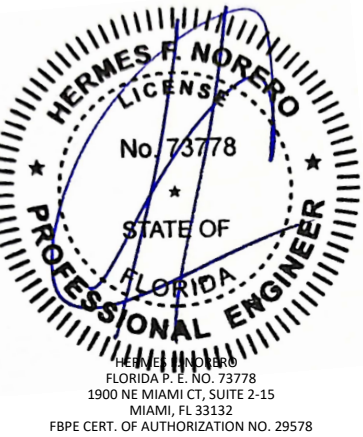
TITLE: RTS-430i FIXED WINDOW
(WZ3)(IMPACT)
HORIZONTAL SECTIONS -
METAL STUD

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
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SCALE: **NTS**

DWG. #: **OPW010**

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