

INSTALLATION NOTES:

1.

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR NAIL FIN INSTALLATION. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN FOR STRAP INSTALLATION.
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 THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
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.

FIN INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. ANCHORS SHALL BE PLACED SUCH THAT A MINIMUM EDGE DISTANCE OF 3/8" IS ACHIEVED.
6.

STRAP INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE TWO (2) #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. ANCHORS SHALL BE PLACED SUCH THAT A MINIMUM EDGE DISTANCE OF 3/4" AND A MINIMUM SPACING OF 1" BETWEEN ANCHORS IS ACHIEVED.
7.

THRU FRAME INSTALLATION: FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. ANCHORS SHALL BE PLACED SUCH THAT A MINIMUM EDGE DISTANCE OF 3/4" IS ACHIEVED.
8.

FIN INSTALLATION: FOR INSTALLATION INTO METAL STUD USE #8 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL. ANCHORS SHALL BE PLACED SUCH THAT A MINIMUM EDGE DISTANCE OF 3/8" IS ACHIEVED.
9.

STRAP INSTALLATION: FOR INSTALLATION INTO METAL STUD USE TWO (2) #8 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL. ANCHORS SHALL BE PLACED SUCH THAT A MINIMUM EDGE DISTANCE OF 3/4" AND A MINIMUM SPACING OF 1" BETWEEN ANCHORS IS ACHIEVED.
10.

THRU FRAME INSTALLATION: FOR INSTALLATION INTO METAL STUD USE #10 GRADE 5 SELF-DRILLING OR SELF-TAPPING PH OR HWH SCREWS, OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL WALL. ANCHORS SHALL BE PLACED SUCH THAT A MINIMUM EDGE DISTANCE OF 3/4" IS ACHIEVED.
11.

THRU FRAME OR STRAP INSTALLATION: FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY OR DIRECTLY INTO CONCRETE/MASONRY, USE (2 ANCHORS FOR STRAP) 3/16 INCH ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT AND MIN. SPACING OF 1-1/2".
12.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
13.

INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING:

• FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).

• CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

14.

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.
- SIERRA PACIFIC WINDOWS

FEELSAFE H3 2.0 DOUBLE HUNG WINDOW WITH TRANSOM

(WZ3)(IMPACT)
- Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.09.18 16:44:04 -04'00'
15. 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 200 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 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 ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8".
- GENERAL NOTES:
1.

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

• AAMA/WDMA/CSA 101/I.S.2/A440-17

• ASTM E1886-19

• ASTM E1996-20

2.

IMPORTANT: H3 PRODUCT IS MANUFACTURED WITH A FULLY WELDED VINYL MAIN FRAME AND INTEGRAL NAIL FIN FOR AIR-TIGHT AND WATER-TIGHT INSTALLATION. THE INTEGRAL NAIL FIN DEFINES THE WATER PLANE OF THE PRODUCT. PROPER INTEGRATION OF THE BUILDING'S WEATHER BARRIER SYSTEM MUST BE MADE FROM THIS LOCATION TO THE INTERIOR OF THE OPENING.

- PERIMETER SEALING OF THE EXTERIOR BUILDING FAÇADE MUST INCLUDE A DISCONTINUOUS BEAD OF SEALANT AT THE SILL FOR PROPER WATER MANAGEMENT.

- WHEN INSTALLING IN ANY RECESSED OR STUCCO APPLICATION A WATER MANAGEMENT SYSTEM TO THE EXTERIOR MUST BE INCORPORATED.

- PRODUCT INSTALLED WITHOUT NAIL FIN WILL REQUIRE THE USE OF A FLEXIBLE SILL PAN.

3.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL 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.

4.

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.

5.

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.

6.

APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN WIND ZONE 3 OR LESS.

7.

APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN WIND ZONE 4.

8.

WINDOW FRAME MATERIAL: VINYL, WOOD, AND ALUMINUM ALLOY

9.

GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 10 FOR GLAZING DETAILS.
- | TABLE OF CONTENTS | |
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- | PRODUCT | MAX OVERALL SIZE | | DESIGN PRESSURE | INSTALLATION METHOD | MISSILE IMPACT RATING |
|------------------------------|------------------|--------|-----------------|--------------------------------|--------------------------------------|
| | WIDTH | HEIGHT | | | |
| DH-FX-DH WITH TRIPLE TRANSOM | 119.5" | 99.25" | +50/-60 PSF | NAIL FIN, THRU FRAME AND STRAP | LARGE AND SMALL MISSILE IMPACT RATED |
| DH-FX-DH | 119.5" | 71.5" | | | |
| DH-FX WITH TWIN TRANSOM | 88.5" | 99.25" | | | |
| DH-FX | 88.5" | 71.5" | | | |
| DH-DH-DH WITH TRIPLE TRANSOM | 105.5" | 99.25" | | | |
| DH-DH-DH | 105.5" | 71.5" | | | |
| DH-DH WITH DOUBLE TRANSOM | 70.5" | 99.25" | | | |
| DH WITH TRANSOM | 35.5" | 99.25" | | | |
| DH-DH | 95.25" | 83.5" | | | |
| DH | 47.5" | 83.5" | | | |
- *SEE SHEETS 11-14 FOR QUALIFIED ALTERNATE SIZES
-
- 11605 READING ROAD
PO BOX 8489
RED BLUFF, CA 96080
(530) 527-9620
- TITLE: FEELSAFE H3 2.0 DOUBLE HUNG WINDOW WITH TRANSOM (WZ3)(IMPACT)
- INSTALLATION & GENERAL NOTES
- PREPARED BY: BUILDING DROPS, INC.
- 1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com
-
- | REMARKS | BY | DATE |
|--------------------|----|-------|
| THROUGH FRAME | LL | 06/19 |
| CODE CHANGE 2020 | YC | 09/20 |
| ADDITIONAL DETAILS | LL | 02/22 |
| CODE CHANGE 2023 | MG | 08/23 |
| 2026 FBC UPDATE | LS | 06/26 |
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-
- FL#: **FL21907**

DATE: **10.05.2020**

DWG. BY: **YC**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **SPW001**

SHEET: **1**REV. **E**

OF 14

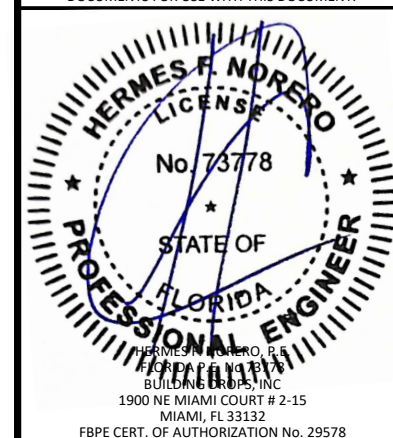


NOTE: DH-FX-DH, DH-FX WITH TWIN TRANSOMS, AND DH-FX CONFIGURATIONS IN DESIGN PRESSURE TABLE, SHEET 1, ARE APPROVED FOR MAXIMUM DOUBLE HUNG AND FIXED WINDOW DIMENSIONS SHOWN ON THIS SHEET, AND OVERALL MAX. SIZE SHOWN ON SHEET 1. USE TYPICAL ANCHOR LAYOUTS SHOWN ABOVE.



REMARKS	BY	DATE
THROUGH FRAME	LL	06/19/20
CODE CHANGE 2020	YC	09/20/20
ADDITIONAL DETAILS	LL	02/22/21
CODE CHANGE 2023	MG	08/23/23
2026 FBC UPDATE	LS	06/26/25

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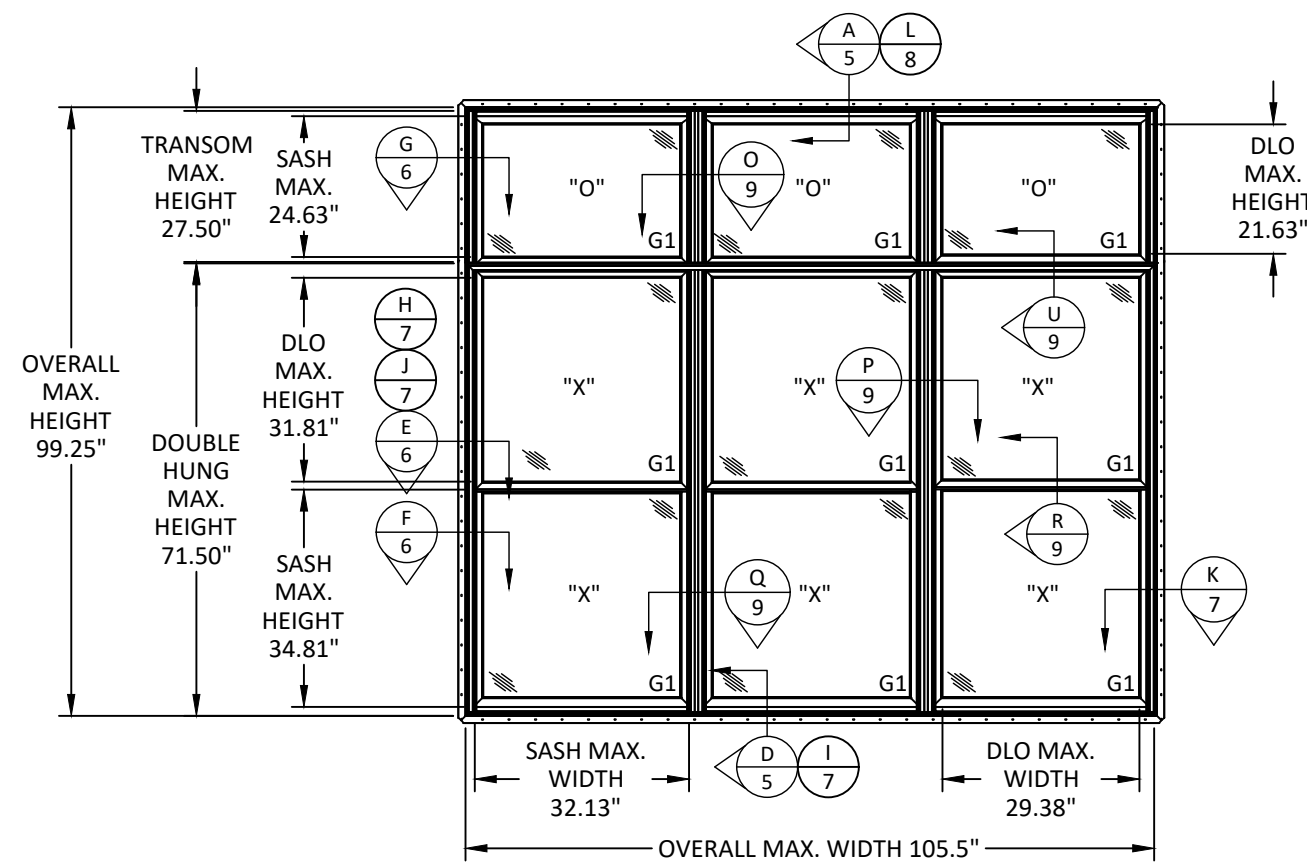
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SCALE: NTS

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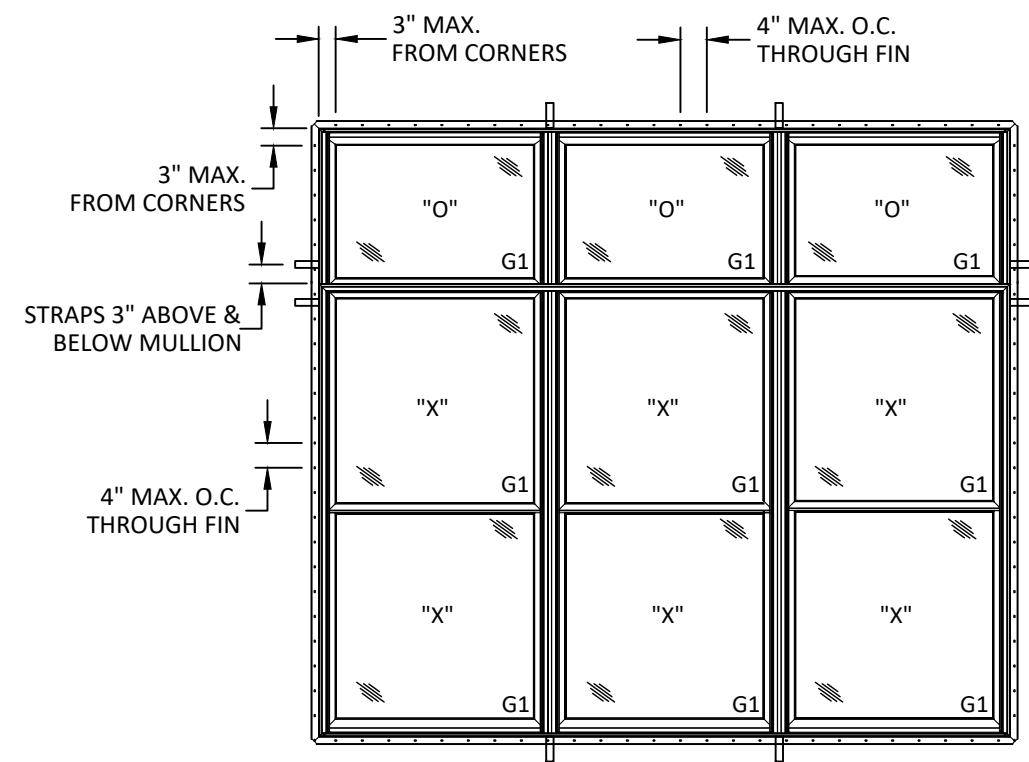
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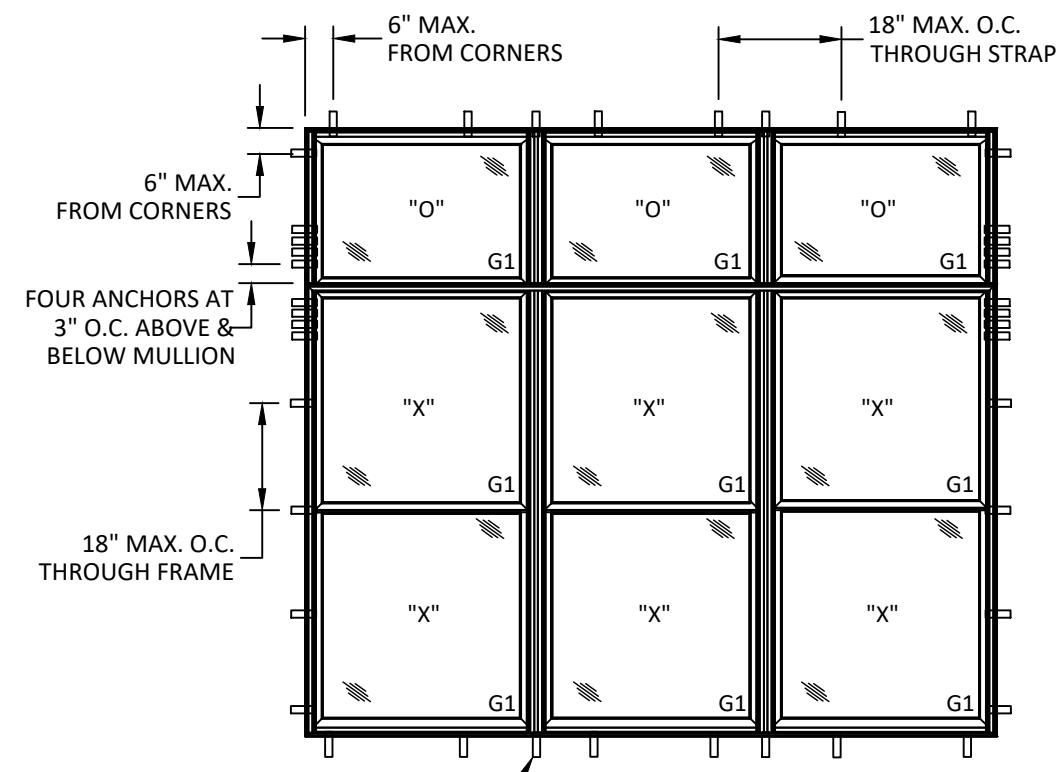


ELEVATION VIEW
DH-DH-DH W/ TRANSOMS

NOTE: DH-DH-DH, DH-DH WITH TRANSOM, AND DH WITH TRANSOM CONFIGURATIONS IN DESIGN PRESSURE TABLE, SHEET 1, IS APPROVED FOR MAXIMUM DOUBLE HUNG WINDOW DIMENSIONS SHOWN ON THIS SHEET, AND OVERALL MAX. SIZE SHOWN ON SHEET 1. USE TYPICAL ANCHOR LAYOUTS SHOWN ABOVE.



ANCHOR LAYOUT
NAIL FIN AND STRAP



ANCHOR LAYOUT
STRAP INSTALLATION



11605 READING ROAD
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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

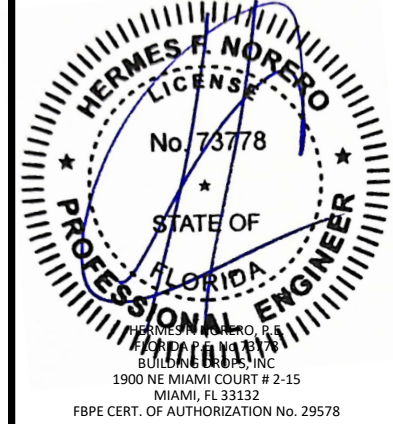
ELEVATIONS & ANCHOR LAYOUTS

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BUILDING DROPS, INC.
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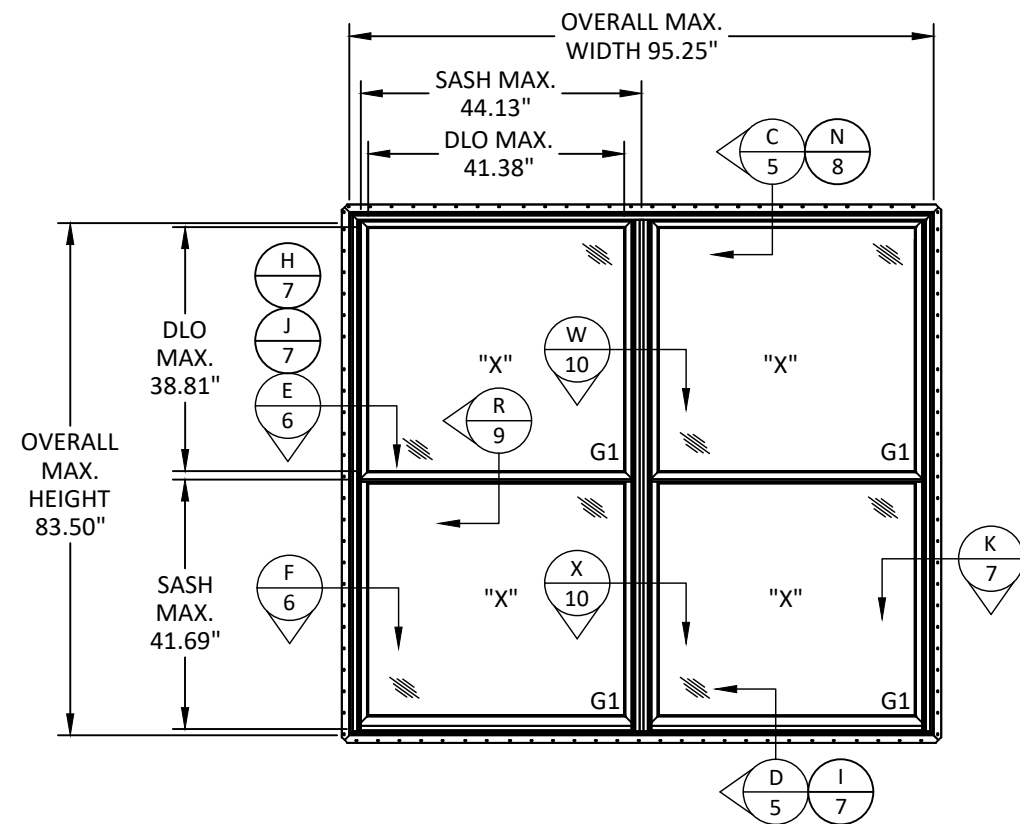
REMARKS	BY	DATE
THROUGH FRAME	LL	06/19
CODE CHANGE 2020	YC	09/20
ADDITIONAL DETAILS	LL	02/22
CODE CHANGE 2023	MG	08/23
2026 FBC UPDATE	LS	06/26

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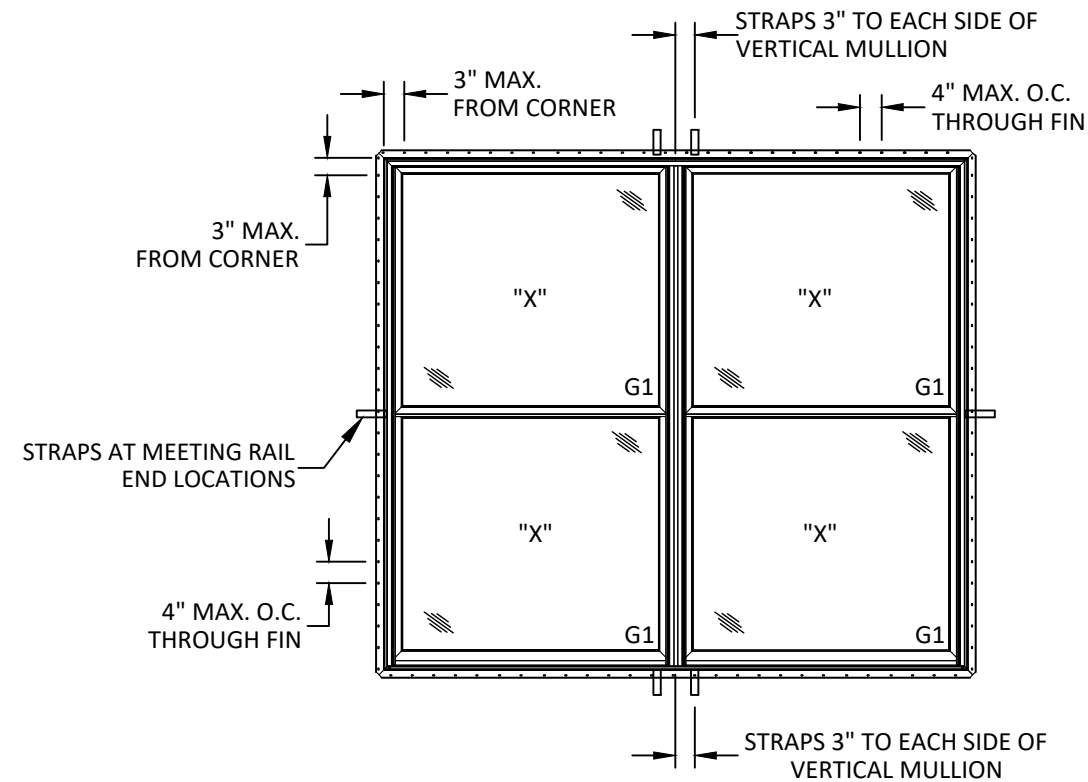


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SCALE:	NTS
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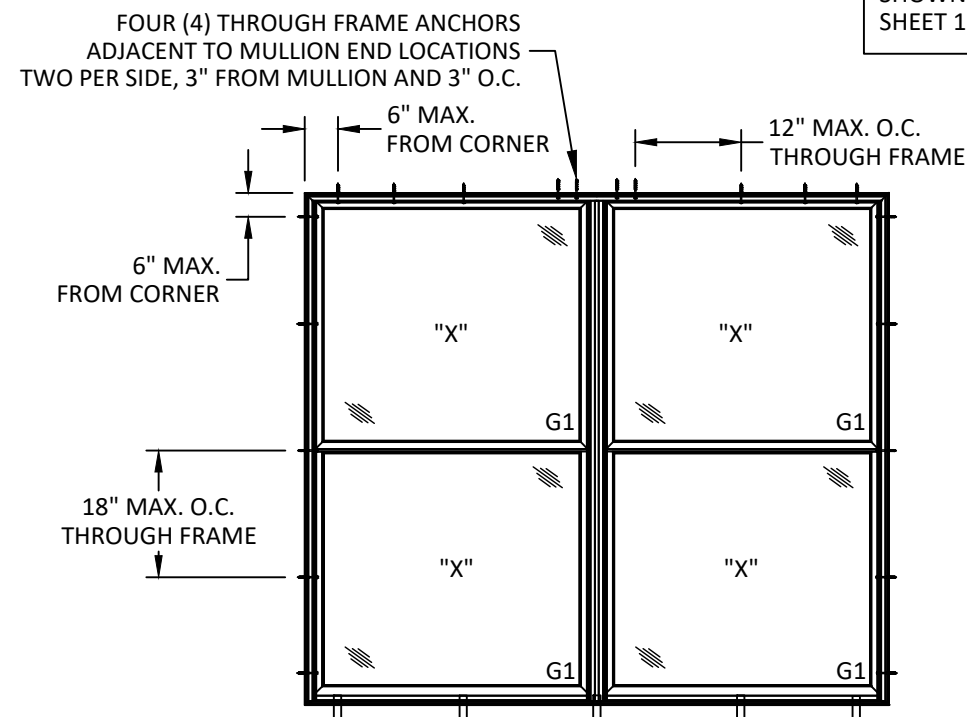


ELEVATION VIEW
DH DH

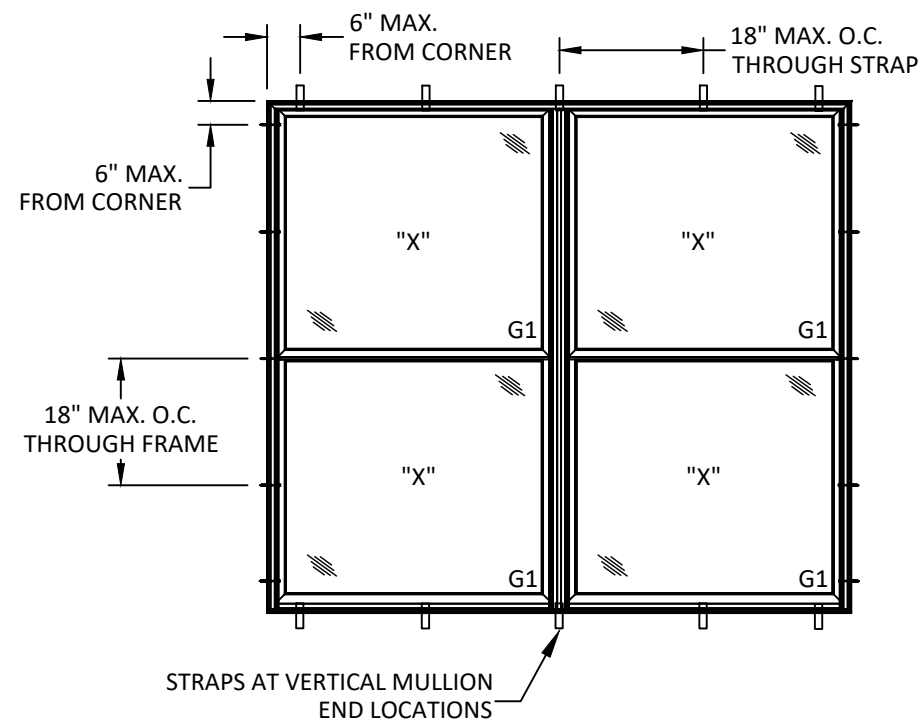


ANCHOR LAYOUT
NAIL FIN AND STRAP

NOTE: DH CONFIGURATION IN DESIGN PRESSURE TABLE, SHEET 1, IS APPROVED FOR MAXIMUM DOUBLE HUNG DIMENSIONS SHOWN ON THIS SHEET, AND OVERALL MAX. SIZE SHOWN ON SHEET 1. USE TYPICAL ANCHOR LAYOUTS SHOWN ABOVE.



ANCHOR LAYOUT
THROUGH FRAME + STRAPS



ANCHOR LAYOUT
THROUGH FRAME AND STRAP



11605 READING ROAD
PO BOX 8489
RED BLUFF, CA 96080
(530) 527-9620

TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

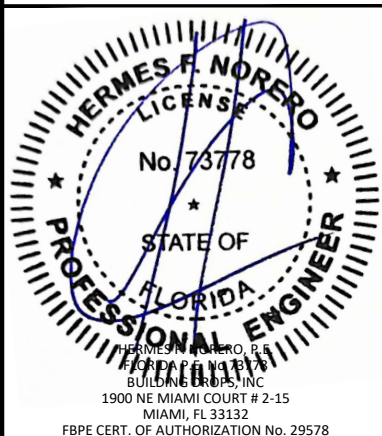
ELEVATIONS & ANCHOR LAYOUTS

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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954) 399-8478
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WEB: www.buildingdrops.com



REMARKS	BY	DATE
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CODE CHANGE 2020	YC	09/20
ADDITIONAL DETAILS	LL	02/22
CODE CHANGE 2023	MG	08/23
2026 FBC UPDATE	LS	06/26

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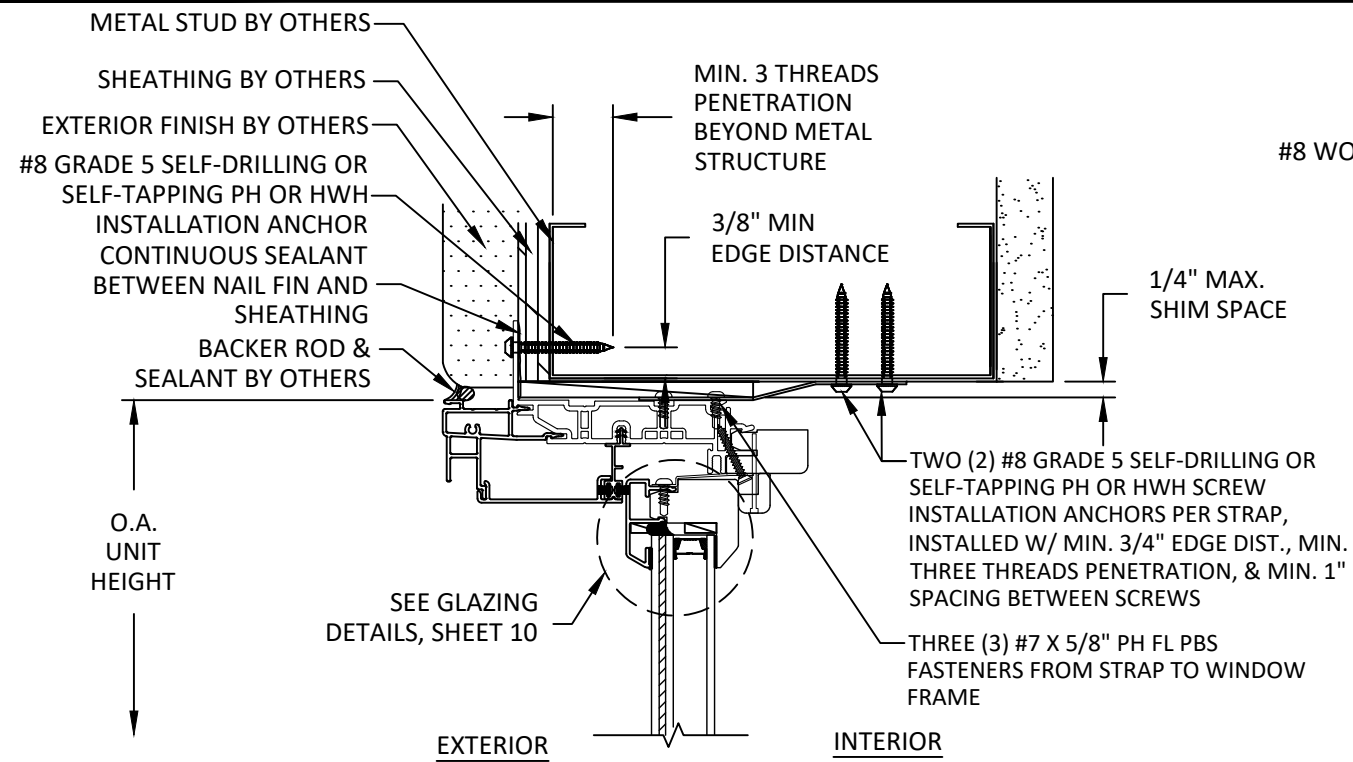
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SCALE: **NTS**

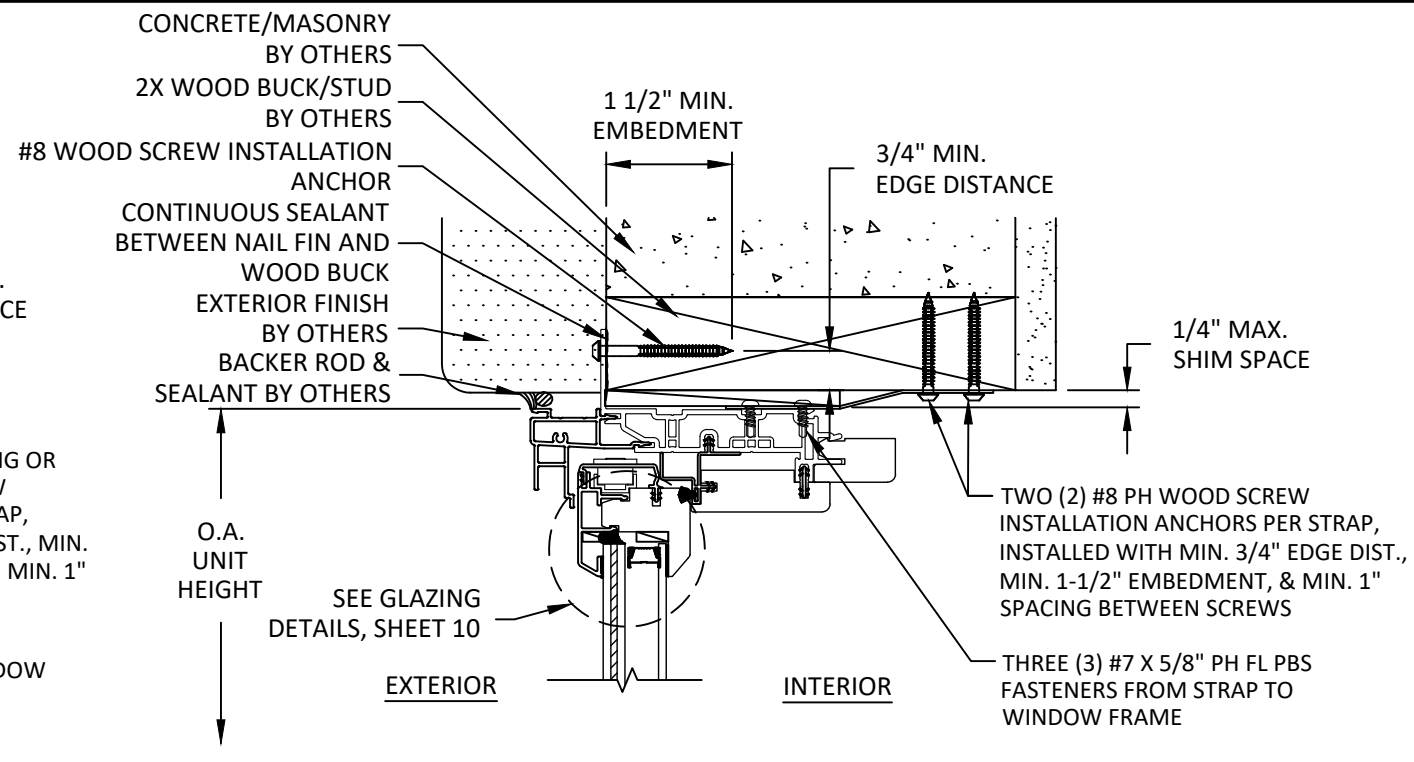
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SHEET: **4** REV. **E**

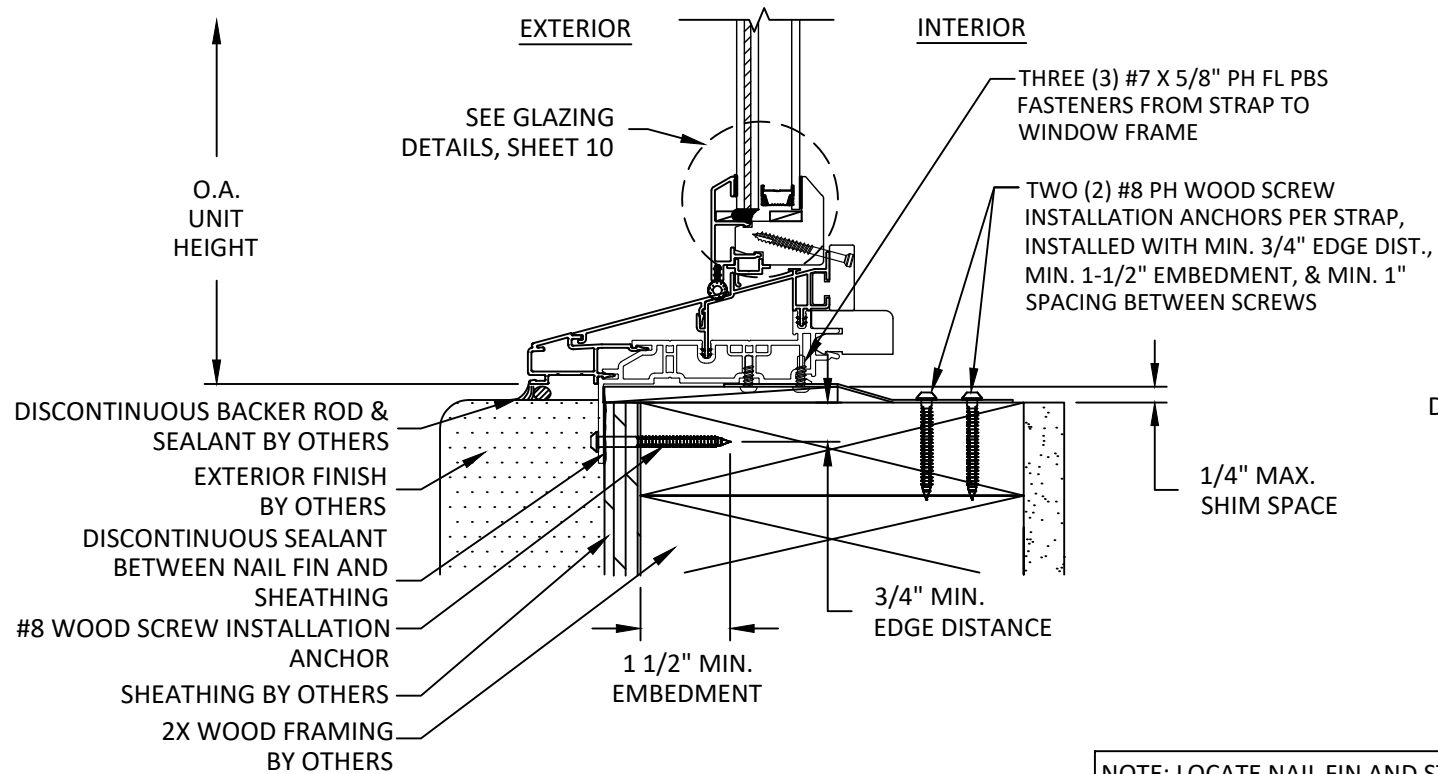
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A
5 **VERTICAL SECTION**
FIXED HEAD-METAL STUD
FIN + STRAP INSTALLATION

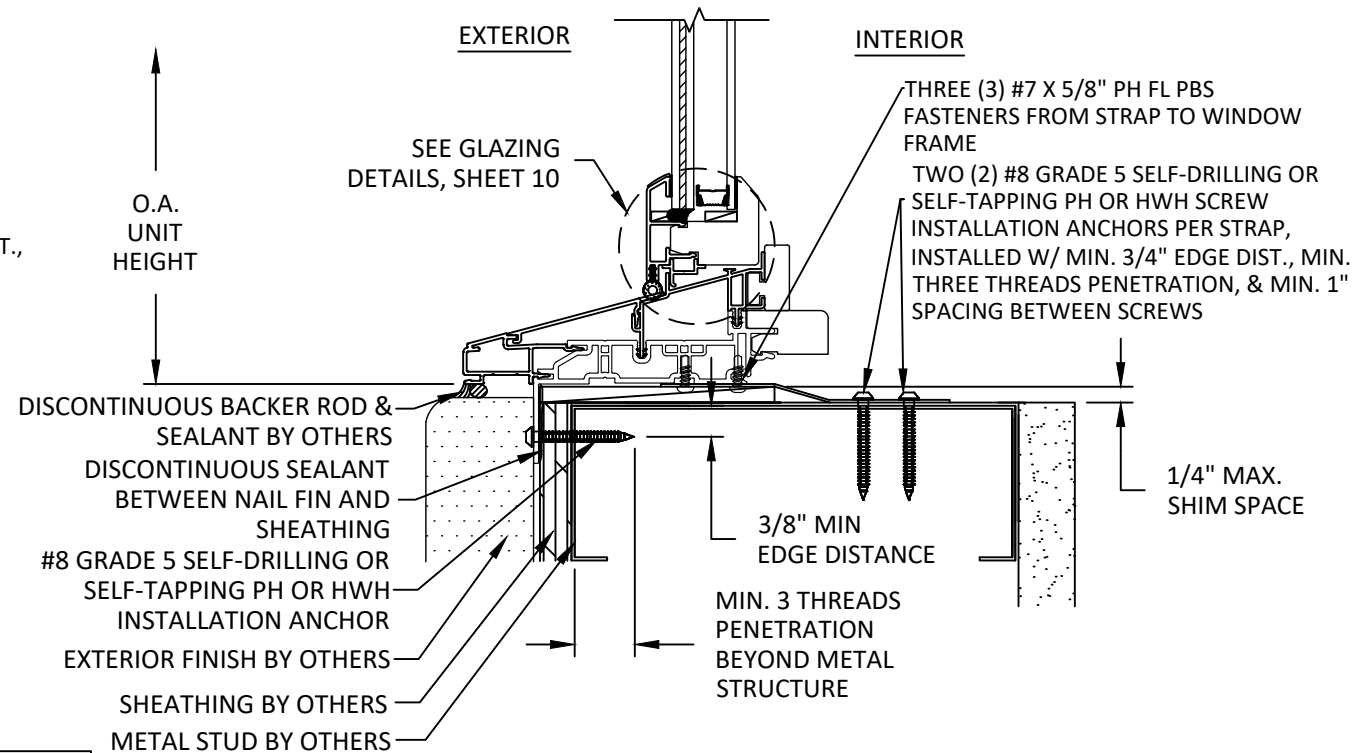


C
5 **VERTICAL SECTION**
OPERABLE HEAD-2X WOOD BUCK
FIN + STRAP INSTALLATION



B
5 **VERTICAL SECTION**
FIXED SILL - 2X WOOD FRAME
FIN + STRAP INSTALLATION

NOTE: LOCATE NAIL FIN AND STRAP
ANCHORS AS INDICATED ON
ANCHOR LAYOUT ELEVATIONS,
SHEETS 2-4



D
5 **VERTICAL SECTION**
OPERABLE SILL-STEEL STUD
FIN + STRAP INSTALLATION



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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

VERTICAL SECTIONS

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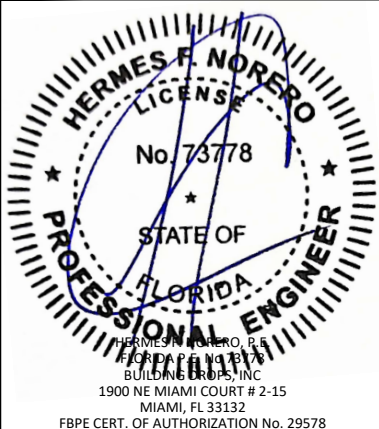
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MIAMI, FL 33132

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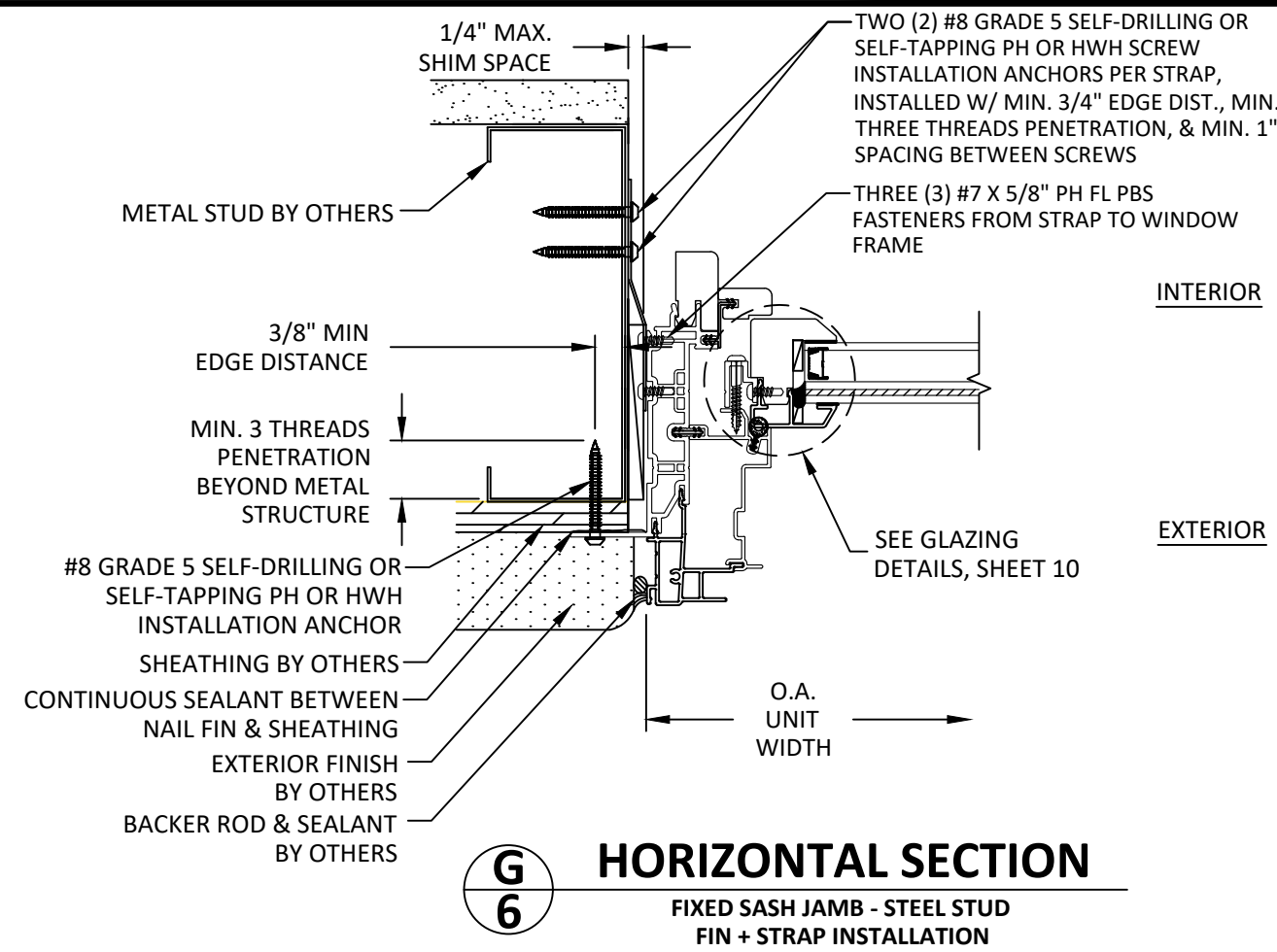
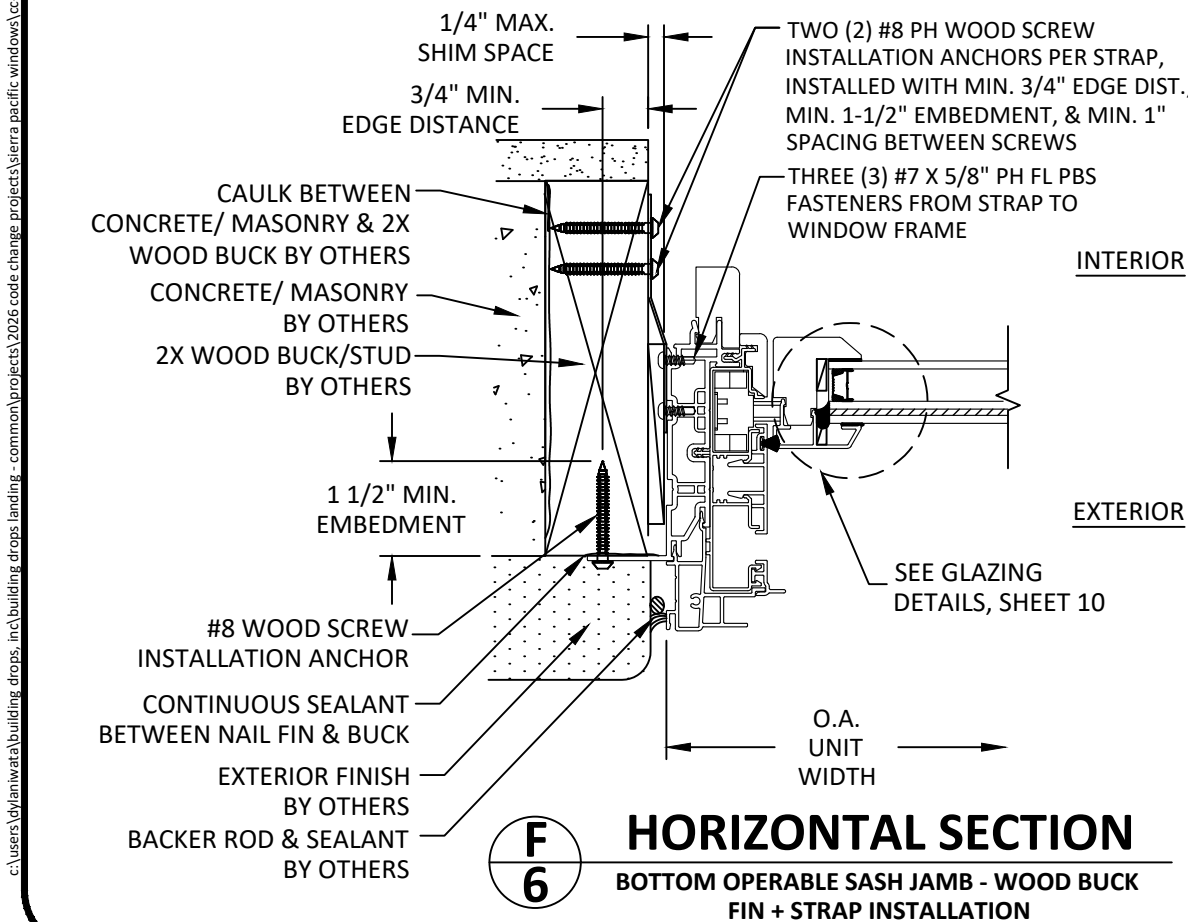
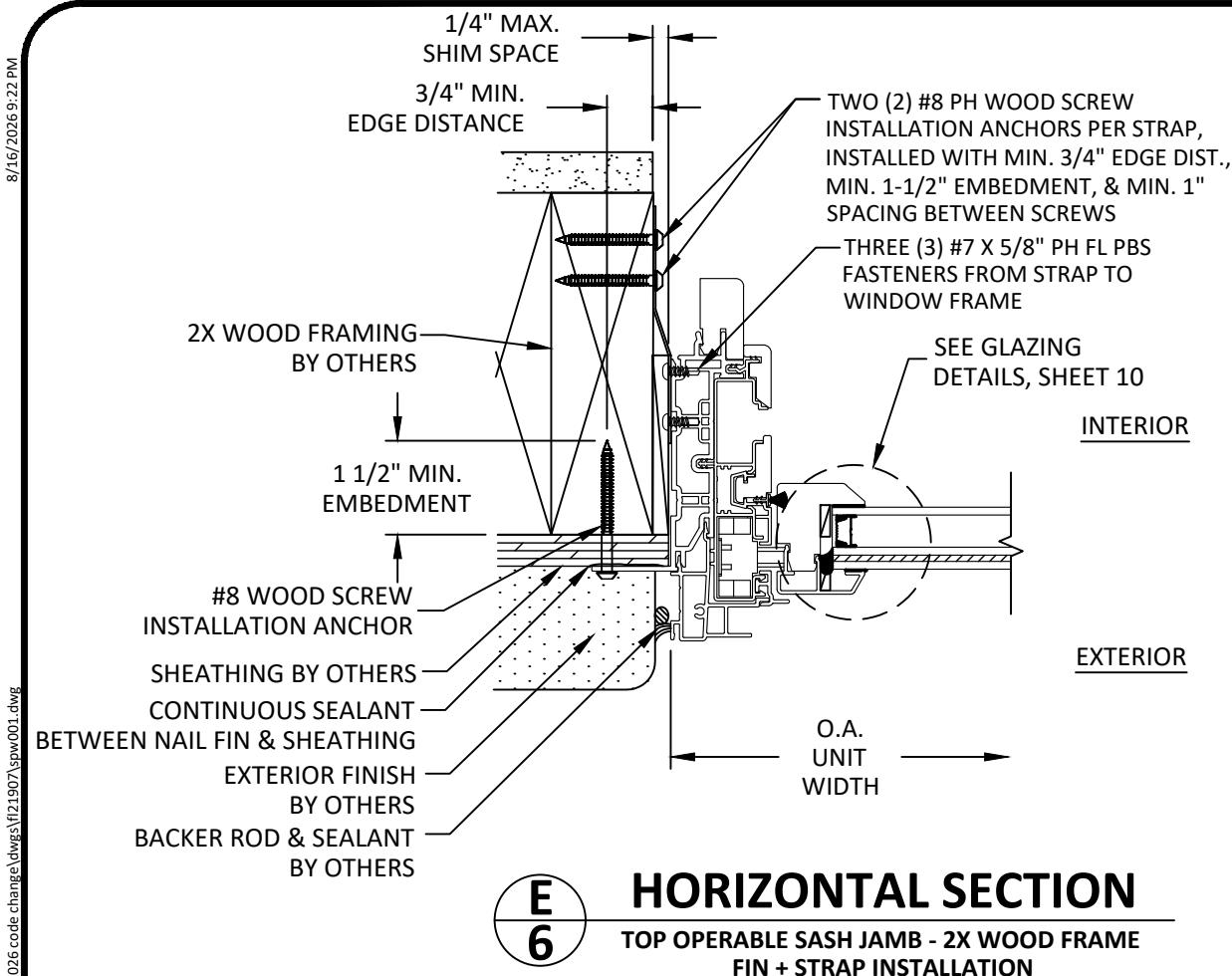
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SCALE: **NTS**

DWG. #: **SPW001**

SHEET: **5** REV. **E**

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NOTE: LOCATE NAIL FIN AND STRAP ANCHORS AS INDICATED ON ANCHOR LAYOUT ELEVATIONS, SHEETS 2-4



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(530) 527-9620

TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

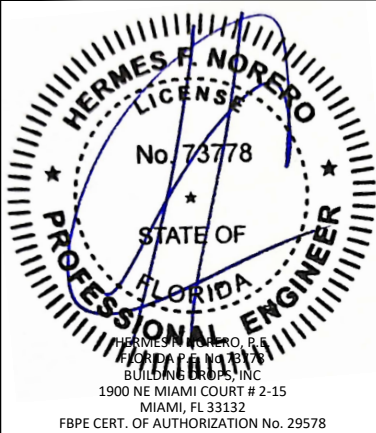
HORIZONTAL SECTIONS

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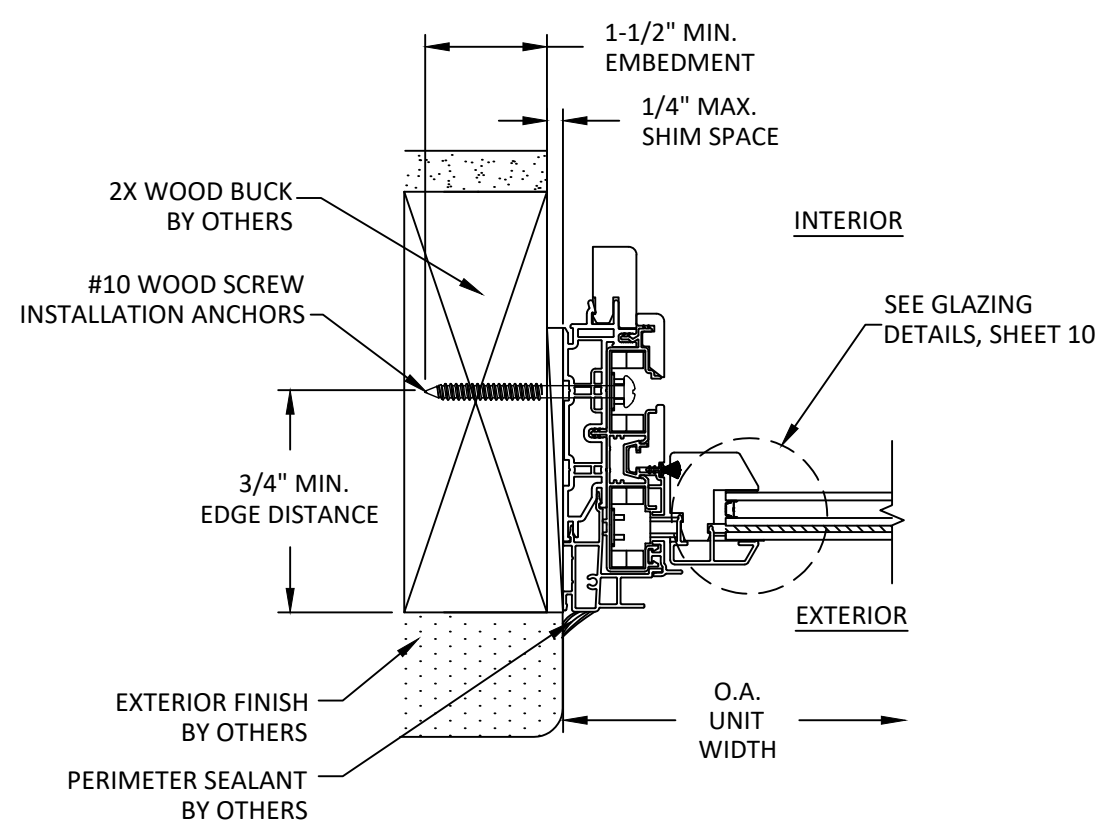
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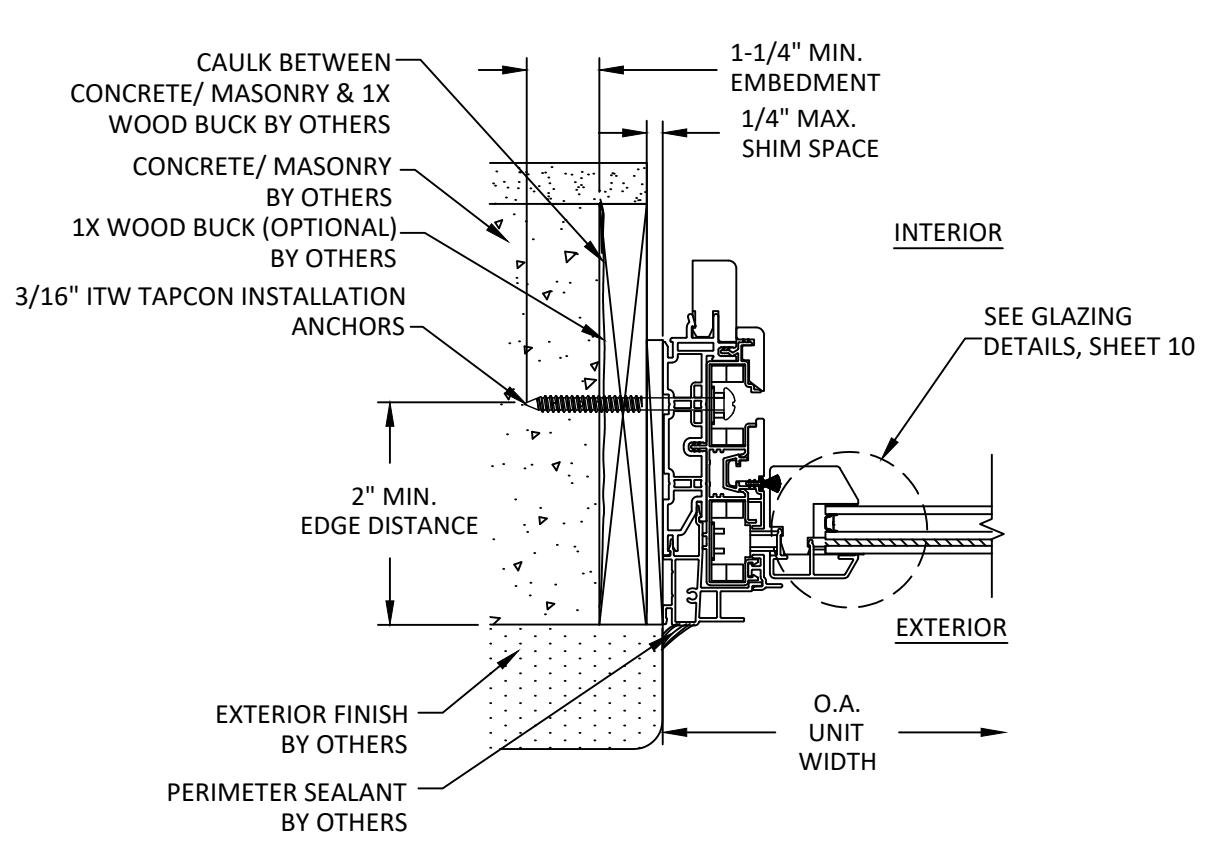
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DATE:	10.05.2020
DWG. BY:	CHK. BY:
YC	HFN
SCALE:	NTS
DWG. #:	SPW001
SHEET:	REV. E

6

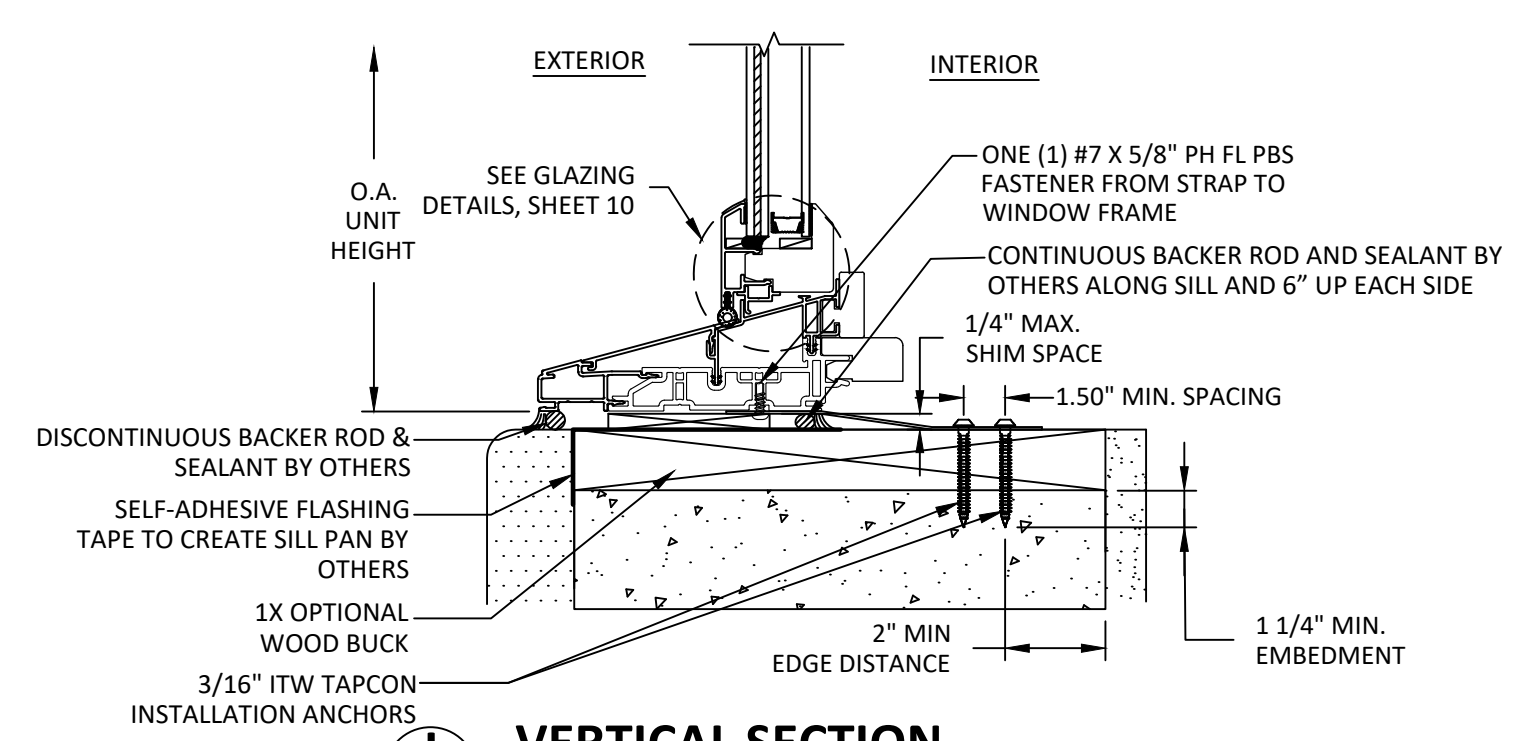
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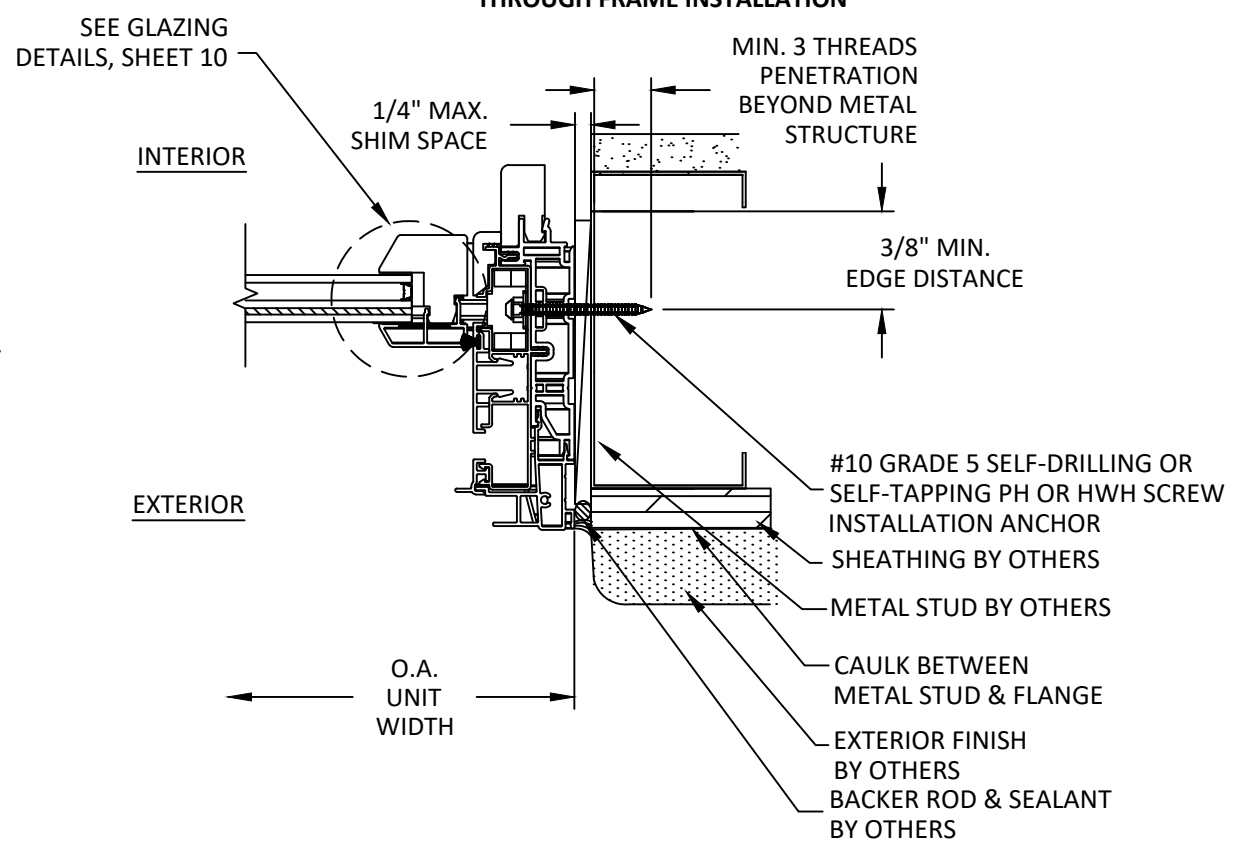
H7 HORIZONTAL SECTION
TOP OPERABLE SASH JAMB
2X WOOD BUCK
THROUGH FRAME INSTALLATION



J7 HORIZONTAL SECTION
TOP OPERABLE SASH JAMB
CONCRETE/MASONRY/1X WOOD BUCK
THROUGH FRAME INSTALLATION



I7 VERTICAL SECTION
OPERABLE SILL - 1X WOOD BUCK
FLEXIBLE SILL PAN INSTALLATION



K7 HORIZONTAL SECTION
BOTTOM OPERABLE SASH JAMB - METAL STUD
THROUGH FRAME INSTALLATION



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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG WINDOW WITH TRANSOM (WZ3)(IMPACT)

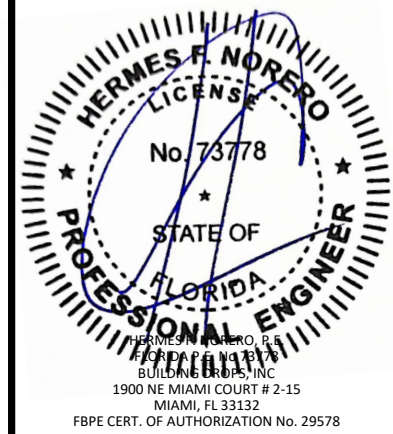
VERTICAL & HORIZONTAL SECTIONS

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

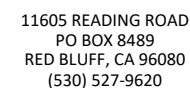
B.D. BUILDING DROPS

REMARKS	BY	DATE
THROUGH FRAME	LL	06/19
CODE CHANGE 2020	YC	09/20
ADDITIONAL DETAILS	LL	02/22
CODE CHANGE 2023	MG	08/23
2026 FBC UPDATE	LS	06/26

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DWG. #:	SPW001
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REV.	E



TITLE: FEELSAFE H3 2.0 DOUBLE HUNG WINDOW WITH TRANSCOM (WZ3)(IMPACT)

VERTICAL SECTIONS

PREPARED BY:

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15

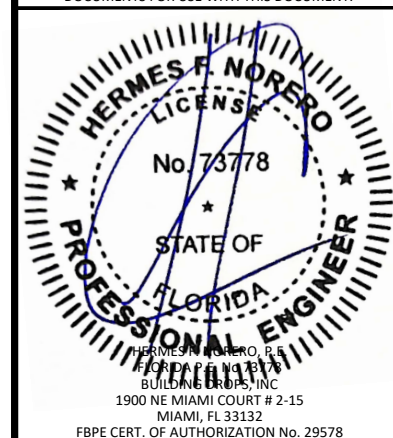
MIAMI, FL 33132

FAX: (954) 744.4738
WEB: www.buildingdrone.com



REMARKS	BY	DATE
THROUGH FRAME	LL	06/19/20
CODE CHANGE 2020	YC	09/20/20
ADDITIONAL DETAILS	LL	02/22/21
CODE CHANGE 2023	MG	08/23/23
2026 FBC UPDATE	LS	06/26/24

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FL#: **FL21907**

DATE: 10.05.2020

DWG. BY: YC	CHK. BY: HFN
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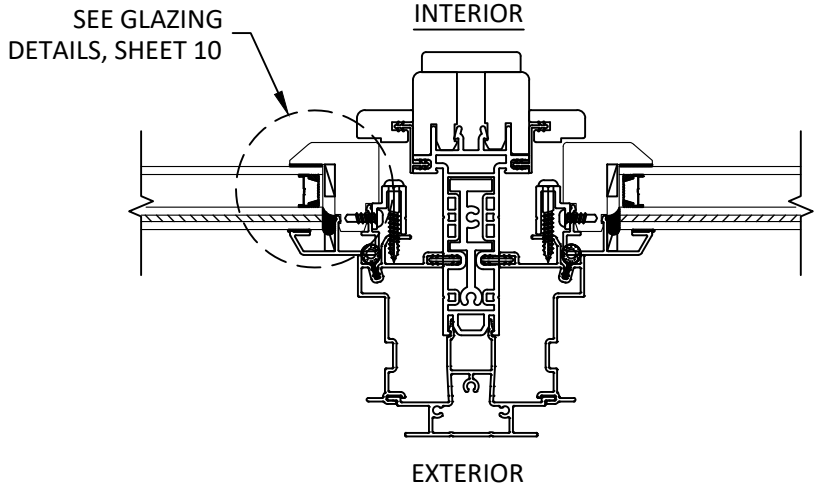
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DWG. #: SPW001

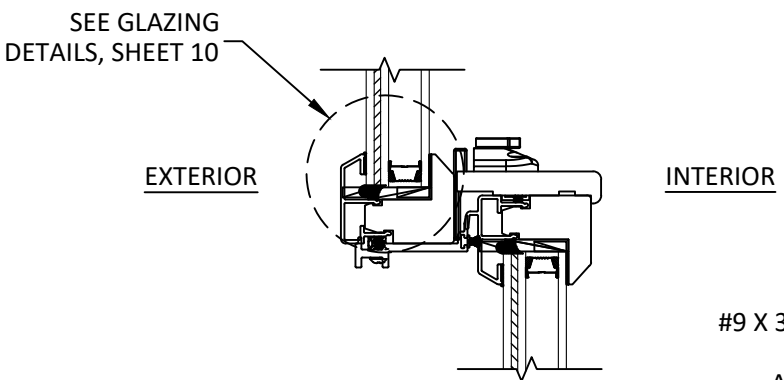
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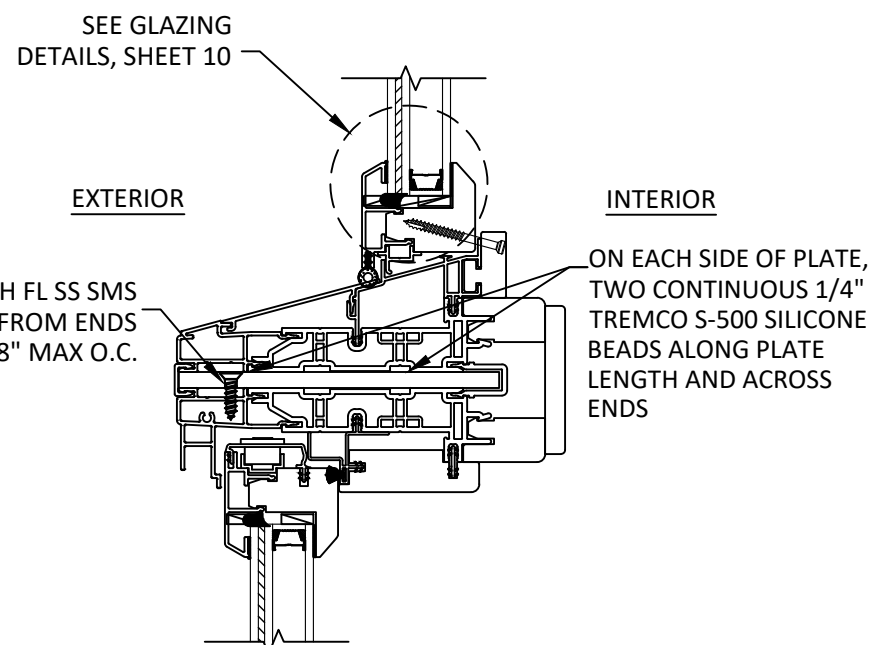
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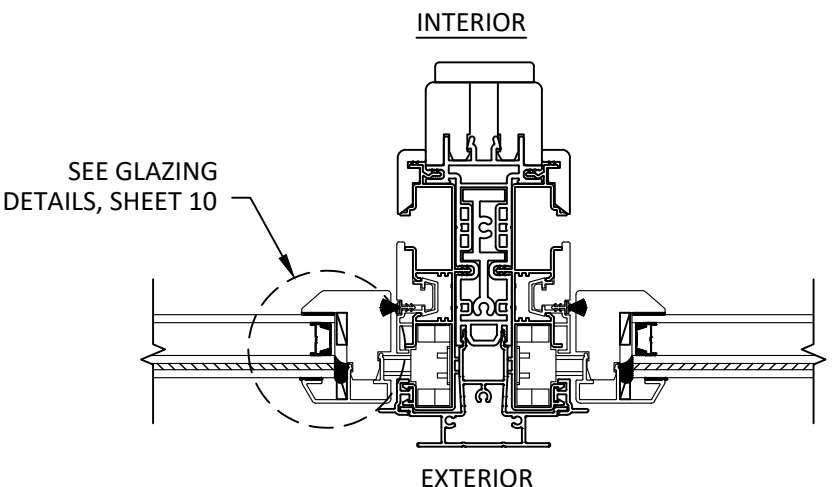
O9 HORIZONTAL SECTION
INTEGRAL MULLION AT FIXED TRANSOM WINDOWS



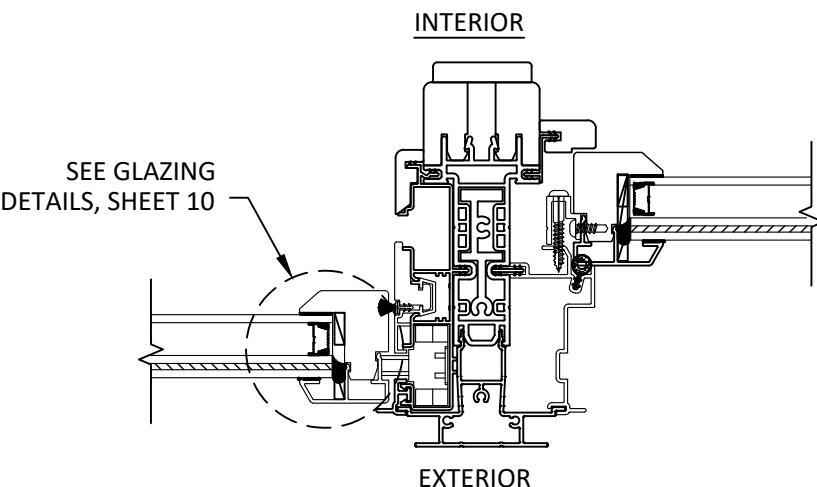
R9 VERTICAL SECTION
MEETING RAIL



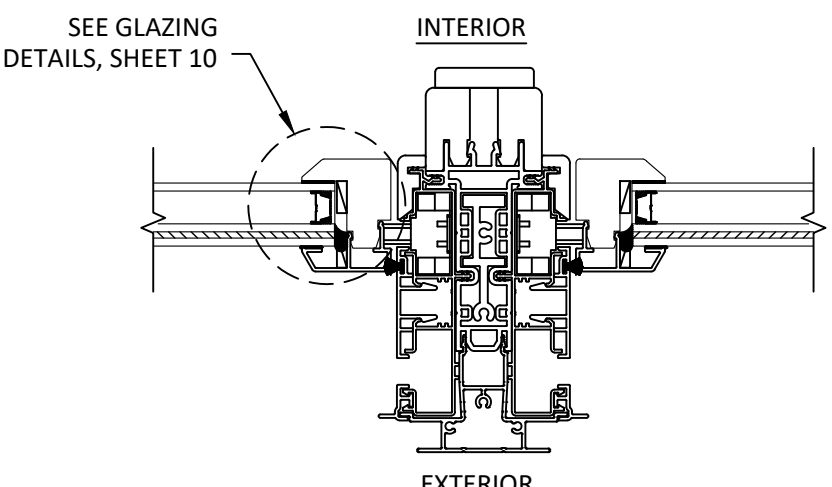
U9 VERTICAL SECTION
HORIZONTAL 1/4" X 5" ALUMINUM MULLION
FIXED TRANSOM OVER OPERABLE DH



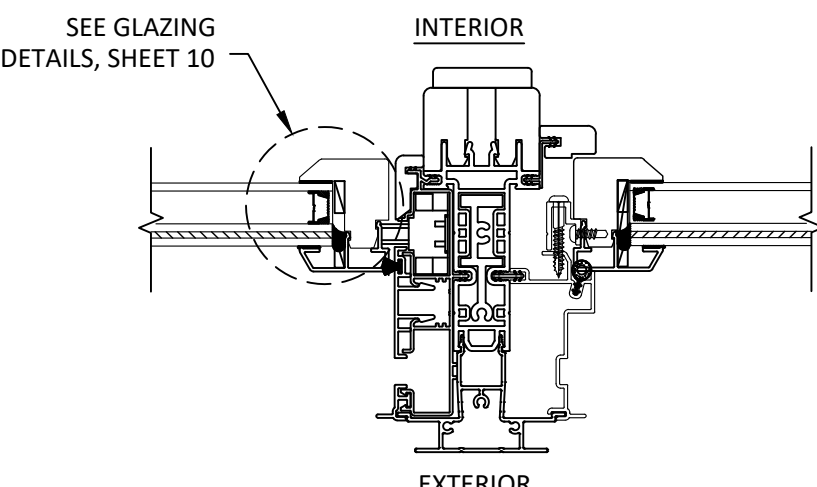
P9 HORIZONTAL SECTION
INTEGRAL MULLION AT TOP OPERABLE SASHES



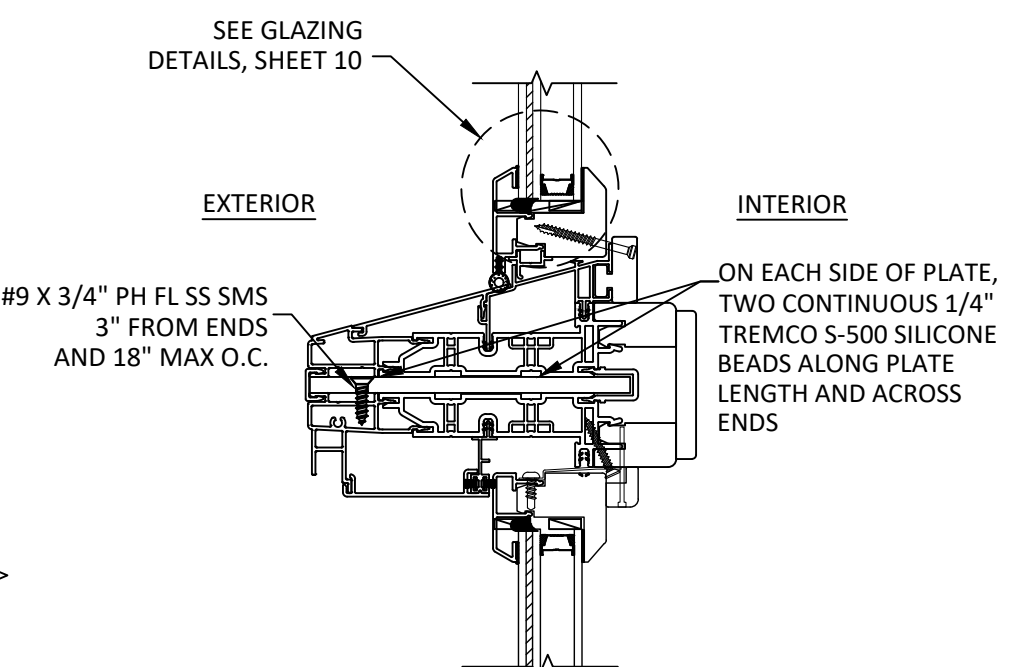
S9 HORIZONTAL SECTION
INTEGRAL MULLION BETWEEN TOP
OPERABLE SASH & FIXED DH WINDOW



Q9 HORIZONTAL SECTION
INTEGRAL MULLION AT BOTTOM OPERABLE SASHES



T9 HORIZONTAL SECTION
INTEGRAL MULLION BETWEEN BOTTOM
OPERABLE SASH & FIXED DH WINDOW



V9 VERTICAL SECTION
HORIZONTAL 1/4" X 5" ALUMINUM MULLION
FIXED TRANSOM OVER FIXED DH



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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

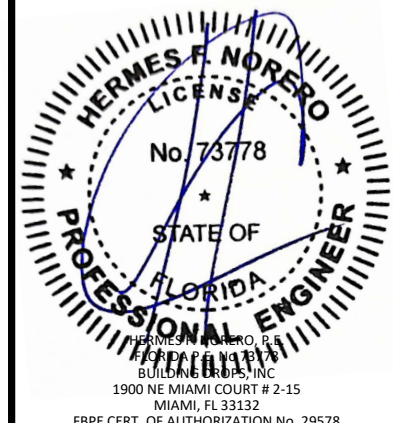
VERTICAL & HORIZONTAL
MULLION DETAILS

PREPARED BY:
BUILDING DROPS, INC.
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MIAMI, FL 33132
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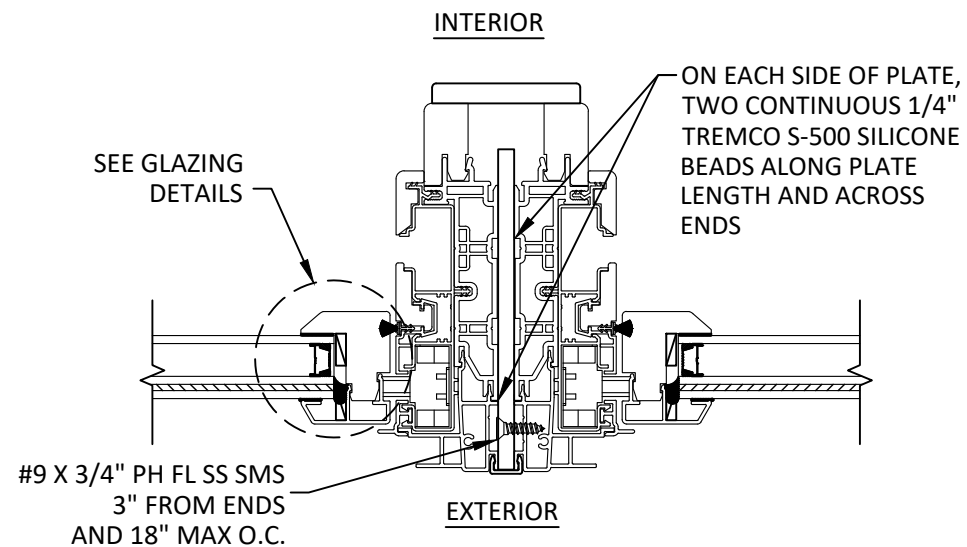
REMARKS	BY	DATE
THROUGH FRAME	LL	06/19
CODE CHANGE 2020	YC	09/20
ADDITIONAL DETAILS	LL	02/22
CODE CHANGE 2023	MG	08/23
2026 FBC UPDATE	LS	06/26

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SCALE:	NTS
DWG. #:	SPW001
SHEET:	9
REV.	E

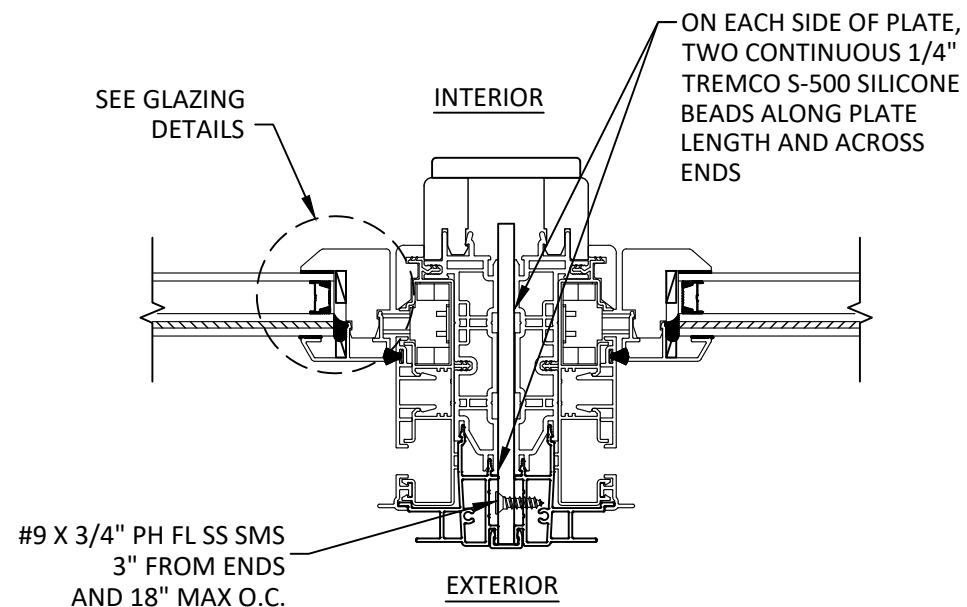
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W
10

HORIZONTAL SECTION

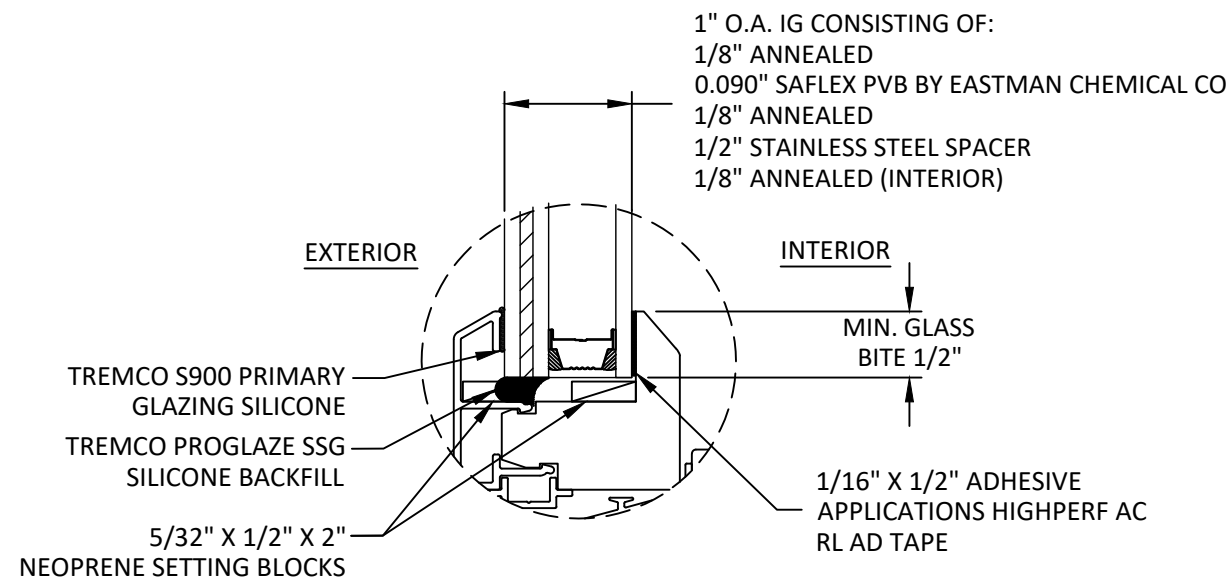
VERTICAL 1/4" X 5" ALUMINUM MULLION
BETWEEN TOP OPERABLE DH SASHES



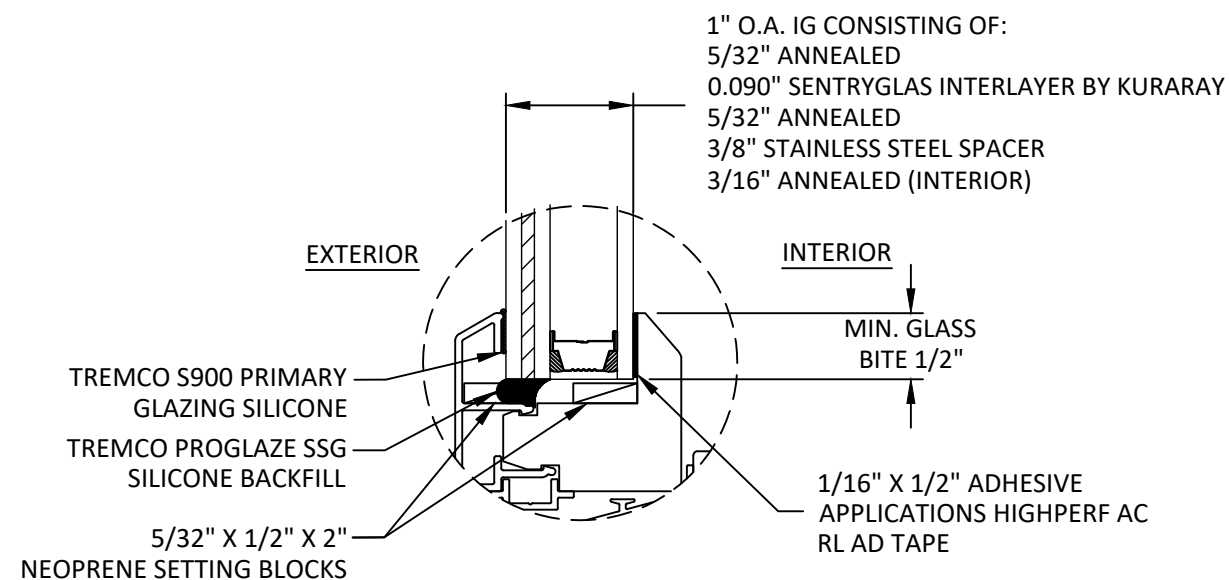
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10

HORIZONTAL SECTION

VERTICAL 1/4" X 5" ALUMINUM MULLION
BETWEEN BOTTOM OPERABLE DH SASHES



G1 GLAZING DETAIL



G2 GLAZING DETAIL

GLAZING NOTES:

1. GLAZING SHALL MEET SAFETY GLAZING REQUIREMENTS OF THE FBC.
2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
4. D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN ON ELEVATIONS.



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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

GLAZING DETAILS &
HORIZONTAL SECTIONS

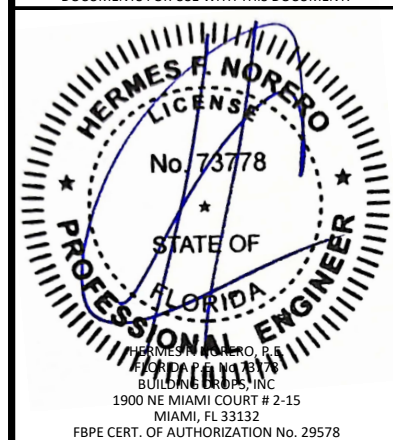
PREPARED BY: BUILDING DROPS, INC.

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REMARKS	BY	DATE
THROUGH FRAME	LL	06/19
CODE CHANGE 2020	YC	09/20
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DATE: **10.05.2020**

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SCALE: **NTS**

DWG. #: **SPW001**

SHEET: **10** REV. **E**

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DOUBLE HUNG - DOUBLE HUNG 1/4" PLATE REINFORCED MULLION
ONE-WAY CONFIGURATIONS (NO INTERMEDIATE MEMBERS)

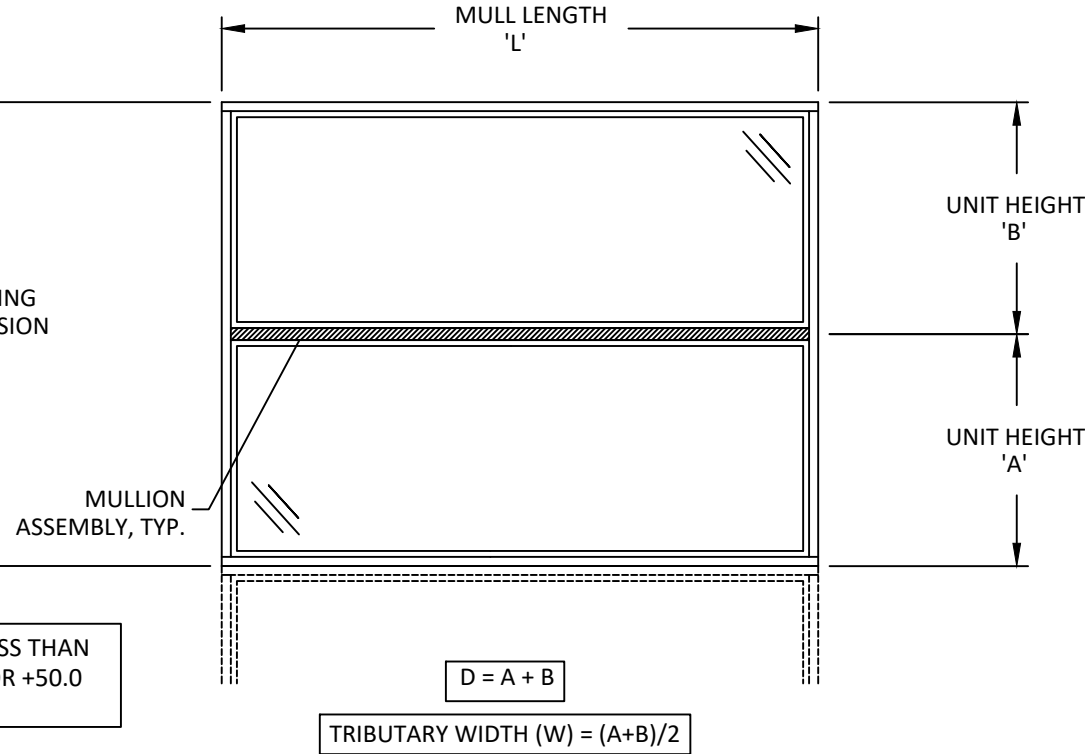
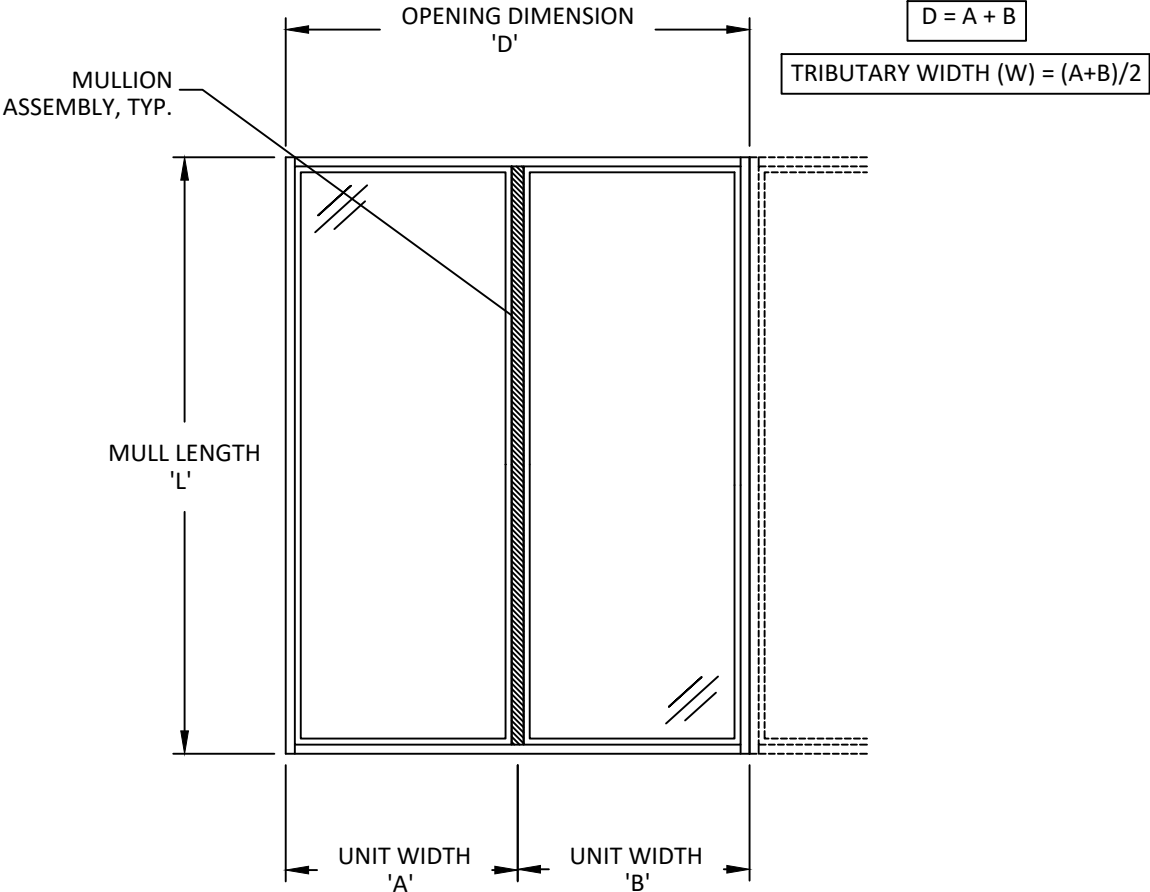
Maximum Design Pressure Capacity Chart (psf) - Positive Pressures					
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	18	50.0	24	54	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	24	50.0	24	60	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	30	50.0	24	66	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	36	50.0	24	72	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	42	50.0	24	78	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		49.3
24	48	50.0	24	84	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		45.0
60		50.0	60		42.0

Maximum Design Pressure Capacity Chart (psf) - Negative Pressures					
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	18	60.0	24	54	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	24	60.0	24	60	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	30	60.0	24	66	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	36	60.0	24	72	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	42	60.0	24	78	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		59.1
24	48	60.0	24	84	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		54.0
60		60.0	60		50.5

NOTES:

- 'ONE-WAY' MULLIONS REFER TO EITHER VERTICAL SINGLE SPAN OR HORIZONTAL STACKED ASSEMBLIES SIMILAR TO THOSE DIAGRAMMED ON THIS SHEET.
- THE POSITIVE AND NEGATIVE DESIGN PRESSURE CHARTS ABOVE ARE APPLICABLE FOR 'STANDARD INSTALLATION' PROCEDURES, SEE DETAILS ON SHEETS 5-8.
- DESIGN PRESSURES SHALL BE GOVERNED BY THE LESSER OF THE MULLION ASSEMBLY (LISTED IN TABLE) OR INDIVIDUAL WINDOW OR DOOR UNIT UNDER SEPARATE APPROVAL.
- MULLIONS MAY BE USED IN ASSEMBLIES UTILIZING MORE THAN TWO WINDOW OR DOOR UNITS AND CAN BE USED FOR UNLIMITED NUMBER OF PANELS.

SINGLE STAND ALONE UNIT SIZES LESS THAN 48X84 IN (28 FT²) ARE QUALIFIED FOR +50.0 PSF AND -60.0 PSF.



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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

ONE-WAY DESIGN PRESSURE TABLES

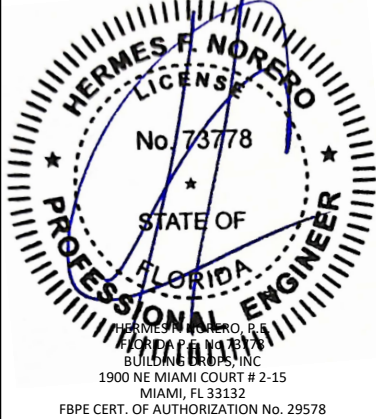
PREPARED BY: BUILDING DROPS, INC.

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MIAMI, FL 33132
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WEB: www.buildingdrops.com



REMARKS	BY	DATE
THROUGH FRAME	LL	06/19
CODE CHANGE 2020	YC	09/20
ADDITIONAL DETAILS	LL	02/22
CODE CHANGE 2023	MG	08/23
2026 FBC UPDATE	LS	06/26

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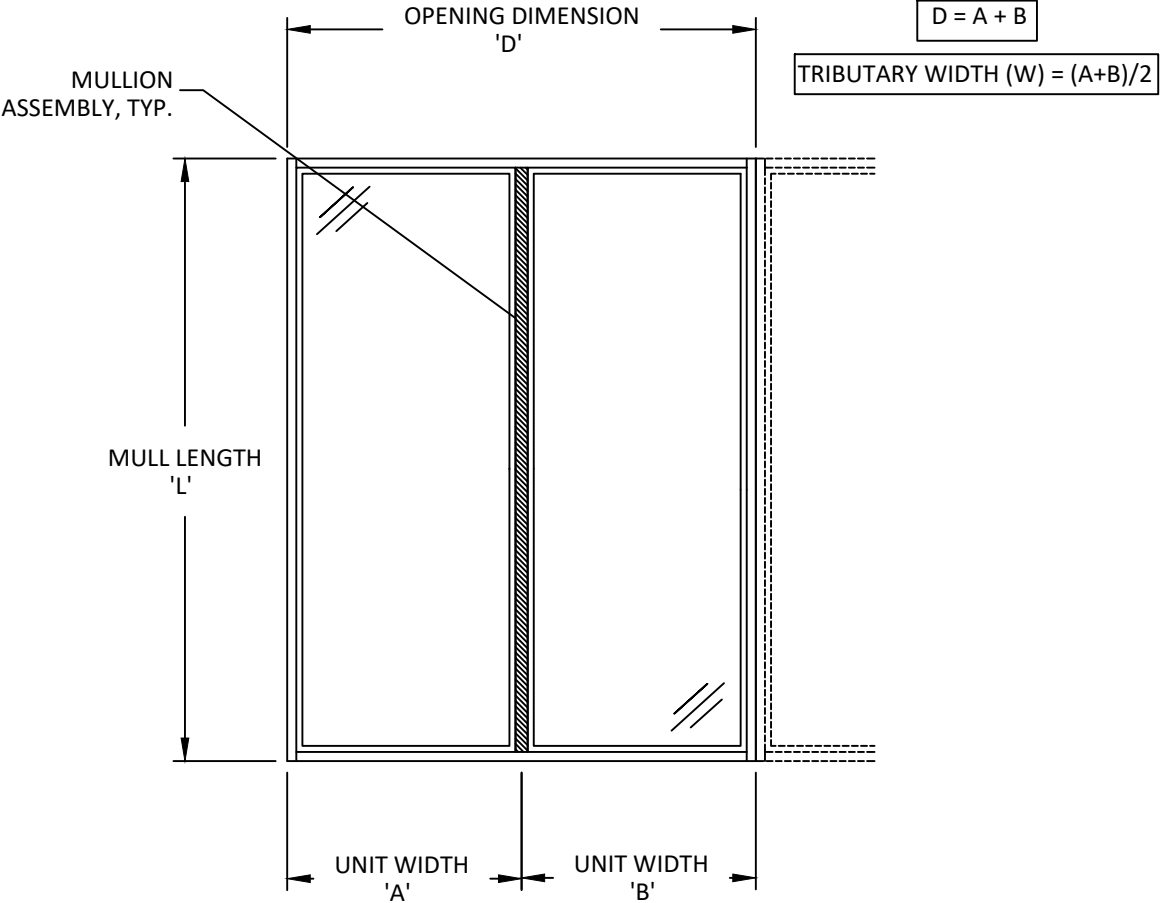


FL#:	FL21907
DATE:	10.05.2020
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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SPW001
SHEET:	11
REV.	E

DOUBLE HUNG - DOUBLE HUNG INTEGRAL MULLION
ONE-WAY CONFIGURATIONS (NO INTERMEDIATE MEMBERS)

Maximum Design Pressure Capacity Chart (psf) - Positive Pressures					
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	18	50.0	24	54	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54	24	50.0	54	60	50.0
60		50.0	60		50.0
24		50.0	24		50.0
30		50.0	30		50.0
36		50.0	36		50.0
42	30	50.0	42	66	50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24		50.0	24		50.0
30	36	50.0	30	72	50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60	42	50.0	60	78	50.0
24		50.0	24		50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48	48	50.0	48	84	50.0
54		50.0	54		50.0
60		50.0	60		50.0
24		50.0	24		50.0
30		50.0	30		50.0

Maximum Design Pressure Capacity Chart (psf) - Negative Pressures					
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	18	60.0	24	54	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54	24	60.0	54	60	60.0
60		60.0	60		60.0
24		60.0	24		60.0
30		60.0	30		60.0
36		60.0	36		60.0
42	30	60.0	42	66	60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24		60.0	24		60.0
30	36	60.0	30	72	60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60	42	60.0	60	78	60.0
24		60.0	24		60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48	48	60.0	48	84	60.0
54		60.0	54		60.0
60		60.0	60		60.0
24		60.0	24		60.0
30		60.0	30		60.0



NOTES:

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TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

ONE-WAY DESIGN PRESSURE TABLES

PREPARED BY: BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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REMARKS	BY	DATE
THROUGH FRAME	LL	06/19
CODE CHANGE 2020	YC	09/20
ADDITIONAL DETAILS	LL	02/22
CODE CHANGE 2023	MG	08/23
2026 FBC UPDATE	LS	06/26

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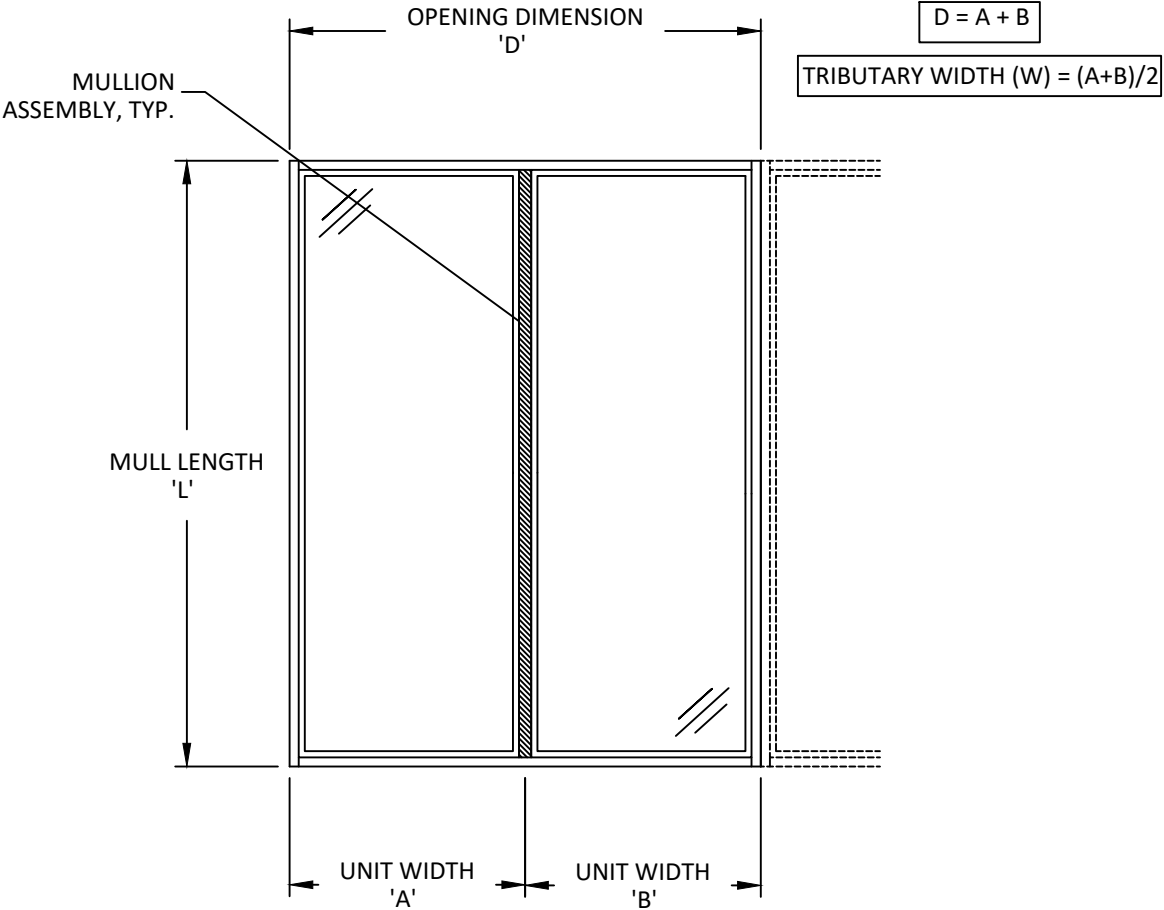
FL#:	FL21907
DATE:	10.05.2020
DWG. BY:	CHK. BY:
YC	HFN
SCALE:	NTS
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DOUBLE HUNG - FIXED INTEGRAL MULLION
ONE-WAY CONFIGURATIONS (NO INTERMEDIATE MEMBERS)

Maximum Design Pressure Capacity Chart (psf) - Positive Pressures					
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	18	50.0	24	54	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	24	50.0	24	60	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	30	50.0	24	66	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		50.0
54		50.0	54		50.0
60		50.0	60		50.0
24	36	50.0	24	72	50.0
30		50.0	30		50.0
36		50.0	36		50.0
42		50.0	42		50.0
48		50.0	48		46.5
54		50.0	54		43.3
60		50.0	60		41.2
24	42	50.0	24	78	50.0
30		50.0	30		50.0
36		50.0	36		46.4
42		50.0	42		42.0
48		50.0	48		38.2
54		50.0	54		35.5
60		50.0	60		33.6
24	48	50.0	24	84	50.0
30		50.0	30		44.0
36		50.0	36		37.5
42		50.0	42		33.1
48		50.0	48		29.9
54		50.0	54		27.6
60		50.0	60		25.9

Maximum Design Pressure Capacity Chart (psf) - Negative Pressures					
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	18	60.0	24	54	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	24	60.0	24	60	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	30	60.0	24	66	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		60.0
54		60.0	54		60.0
60		60.0	60		60.0
24	36	60.0	24	72	60.0
30		60.0	30		60.0
36		60.0	36		60.0
42		60.0	42		60.0
48		60.0	48		55.8
54		60.0	54		52.0
60		60.0	60		49.5
24	42	60.0	24	78	60.0
30		60.0	30		60.0
36		60.0	36		55.7
42		60.0	42		50.4
48		60.0	48		45.8
54		60.0	54		42.6
60		60.0	60		40.3
24	48	60.0	24	84	60.0
30		60.0	30		52.8
36		60.0	36		45.0
42		60.0	42		39.7
48		60.0	48		35.9
54		60.0	54		33.1
60		60.0	60		31.1



NOTES:

- 'ONE-WAY' MULLIONS REFER TO VERTICAL SINGLE SPAN ASSEMBLIES SIMILAR TO THOSE DIAGRAMMED ON THIS SHEET.
- THE POSITIVE AND NEGATIVE DESIGN PRESSURE CHARTS ABOVE ARE APPLICABLE FOR 'STANDARD INSTALLATION' PROCEDURES, SEE DETAILS ON SHEETS 5-8.
- DESIGN PRESSURES SHALL BE GOVERNED BY THE LESSER OF THE MULLION ASSEMBLY (LISTED IN TABLE) OR INDIVIDUAL WINDOW OR DOOR UNIT UNDER SEPARATE APPROVAL.
- MULLIONS MAY BE USED IN ASSEMBLIES UTILIZING MORE THAN TWO WINDOW OR DOOR UNITS AND CAN BE USED FOR UNLIMITED NUMBER OF PANELS.

SINGLE STAND ALONE UNIT SIZES LESS THAN 36X72 IN (18 FT²) ARE QUALIFIED FOR +50.0 PSF AND -60.0 PSF.



11605 READING ROAD
PO BOX 8489
RED BLUFF, CA 96080
(530) 527-9620

TITLE: FEELSAFE H3 2.0 DOUBLE HUNG
WINDOW WITH TRANSOM
(WZ3)(IMPACT)

ONE-WAY DESIGN PRESSURE TABLES

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FL#: FL21907

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DWG. BY: YC
CHK. BY: HFN

SCALE: NTS

DWG. #: SPW001

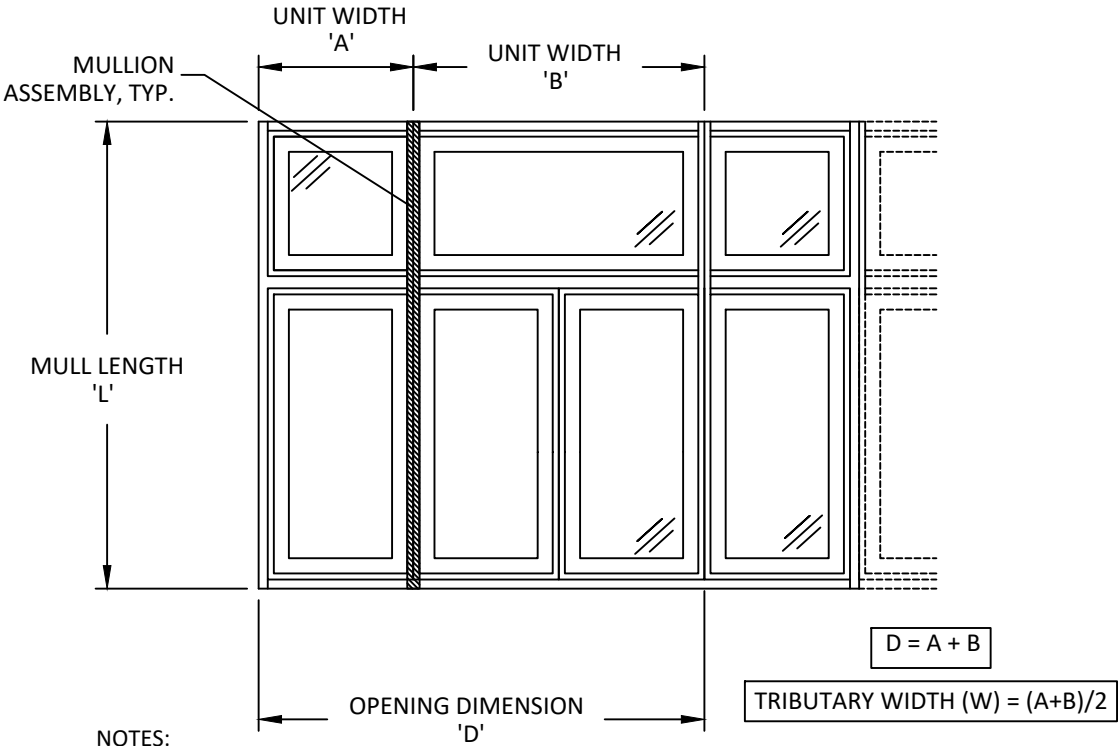
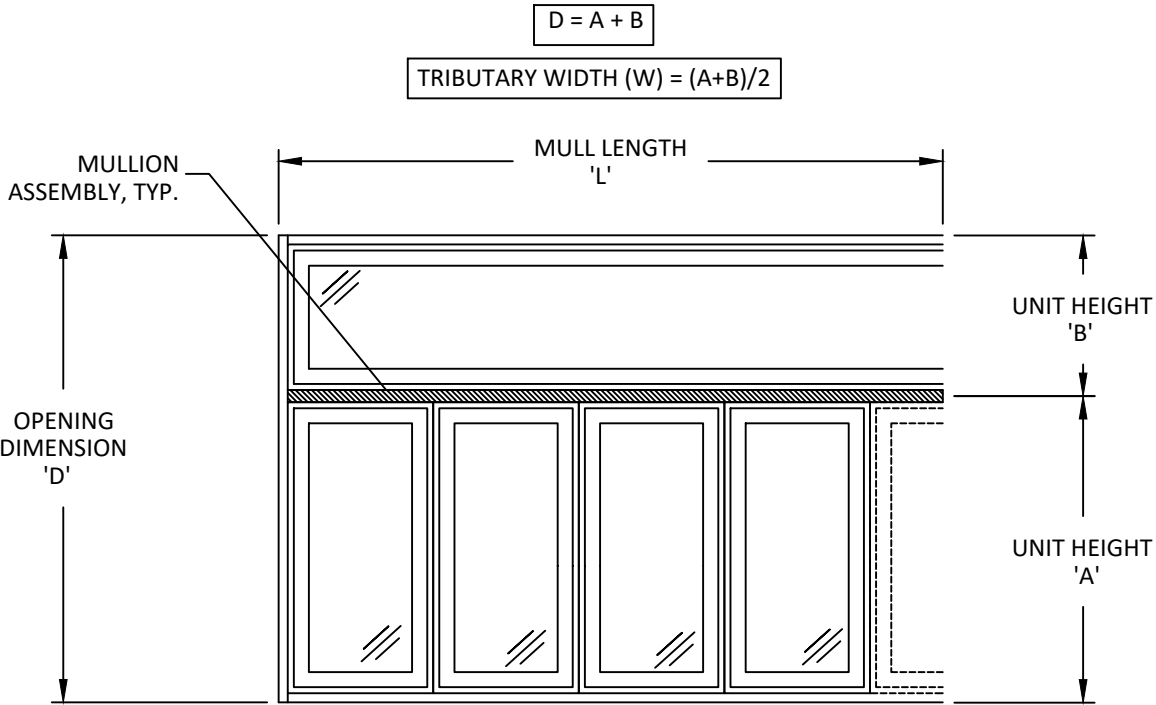
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1/4" PLATE REINFORCED MULLION
TWO-WAY CONFIGURATIONS (WITH INTERMEDIATE MEMBERS)

Maximum Design Pressure Capacity Chart (psf) - Positive Pressures											
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	60	50.0	24	84	50.0	24	102	50.0	24	132	50.0
30		50.0	30		50.0	30		50.0	30		50.0
36		50.0	36		50.0	36		50.0	36		50.0
42		50.0	42		50.0	42		50.0	42		48.3
48		50.0	48		50.0	48		50.0	48		42.3
54		50.0	54		50.0	54		50.0	54		37.6
60		50.0	60		50.0	60		48.3	60		33.8
24	66	50.0	24	90	50.0	24	108	50.0	24	144	50.0
30		50.0	30		50.0	30		50.0	30		50.0
36		50.0	36		50.0	36		50.0	36		47.3
42		50.0	42		50.0	42		50.0	42		40.6
48		50.0	48		50.0	48		50.0	48		35.5
54		50.0	54		50.0	54		50.0	54		31.6
60		50.0	60		50.0	60		45.6	60		28.4
24	72	50.0	24	96	50.0	24	120	50.0	24	156	50.0
30		50.0	30		50.0	30		50.0	30		48.4
36		50.0	36		50.0	36		50.0	36		40.3
42		50.0	42		50.0	42		50.0	42		34.6
48		50.0	48		50.0	48		50.0	48		30.3
54		50.0	54		50.0	54		45.5	54		26.9
60		50.0	60		50.0	60		40.9	60		24.2
24	78	50.0									
30		50.0									
36		50.0									
42		50.0									
48		50.0									
54		50.0									
60		50.0									

Maximum Design Pressure Capacity Chart (psf) - Negative Pressures											
W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE	W (IN.)	L (IN.)	DESIGN PRESSURE
24	60	60.0	24	84	60.0	24	102	60.0	24	132	60.0
30		60.0	30		60.0	30		60.0	30		60.0
36		60.0	36		60.0	36		60.0	36		60.0
42		60.0	42		60.0	42		60.0	42		58.0
48		60.0	48		60.0	48		60.0	48		50.7
54		60.0	54		60.0	54		60.0	54		45.1
60		60.0	60		60.0	60		58.0	60		40.6
24	66	60.0	24	90	60.0	24	108	60.0	24	144	60.0
30		60.0	30		60.0	30		60.0	30		60.0
36		60.0	36		60.0	36		60.0	36		56.8
42		60.0	42		60.0	42		60.0	42		48.7
48		60.0	48		60.0	48		60.0	48		42.6
54		60.0	54		60.0	54		60.0	54		37.9
60		60.0	60		60.0	60		54.8	60		34.1
24	72	60.0	24	96	60.0	24	120	60.0	24	156	60.0
30		60.0	30		60.0	30		60.0	30		58.1
36		60.0	36		60.0	36		60.0	36		48.4
42		60.0	42		60.0	42		60.0	42		41.5
48		60.0	48		60.0	48		60.0	48		36.3
54		60.0	54		60.0	54		54.5	54		32.3
60		60.0	60		60.0	60		49.1	60		29.0
24	78	60.0									
30		60.0									
36		60.0									
42		60.0									
48		60.0									
54		60.0									
60		60.0									



- NOTES:
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