

ATRIUM COMPANIES, INC.

SERIES 8900/90/8000/1800/3900 PICTURE WINDOW (NON-HVHZ)(NON-IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/16 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 GR. 5 SELF TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
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 0.42.

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 18 GA. WALL THICKNESS.

F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125").

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:

AAMA/WDMA/CSA 101/I.S.2/A440-11/17

AAMA 450-10
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 5 FOR GLAZING DETAIL.
8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:

X: OPERABLE PANEL

O: FIXED PANEL

OVERALL SIZE		DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT		
48"	84"	+/- 50 PSF	NON-IMPACT
109"	74"	+/- 50 PSF	
133"	72"	+/- 50 PSF	
72"	72"	+/- 50 PSF	

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATIONS & ANCHOR LAYOUTS
3	ELEVATIONS & ANCHOR LAYOUTS
4	VERTICAL & HORIZONTAL SECTIONS
5	GLAZING DETAIL & VERTICAL SECTION

ATRTRIUM

WINDOWS AND DOORS

Part of the Cornerstone Building Brands Family

ATRTRIUM COMPANIES, INC.

300 Welcome Center Blvd.

Welcome, NC 27374

(800)-542-9118

TITLE:

SERIES 8900/90/8000/1800/3900 PICTURE WINDOW (NON-HVHZ)(NON-IMPACT) INSTALLATION AND GENERAL 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
Current FBC & EC24-100	SM	10.21.15
FBC 2017 CODE CHANGE	AG	03.07.25
2020 FBC CODE CHANGE	NUS	03.07.25
Current FBC & EC24-100	LH	03.07.25

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.

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO

FLORIDA, INC.

1900 NE MIAMI CT., SUITE 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION NO. 29578

FL #:

FL 20471

DATE:

10.03.17

DWG. BY:

AR/AG

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

ATR115

SECTION:

1

OF 5

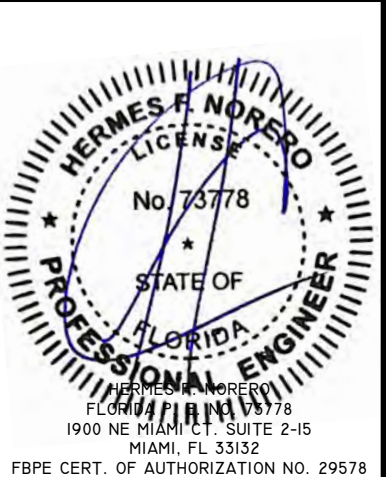
TITLE:
SERIES 8900/90/8000/1800/3900
PICTURE WINDOW
(NON-HVHZ)/(NON-IMPACT)
ELEVATIONS
& ANCHOR LAYOUTS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)395-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

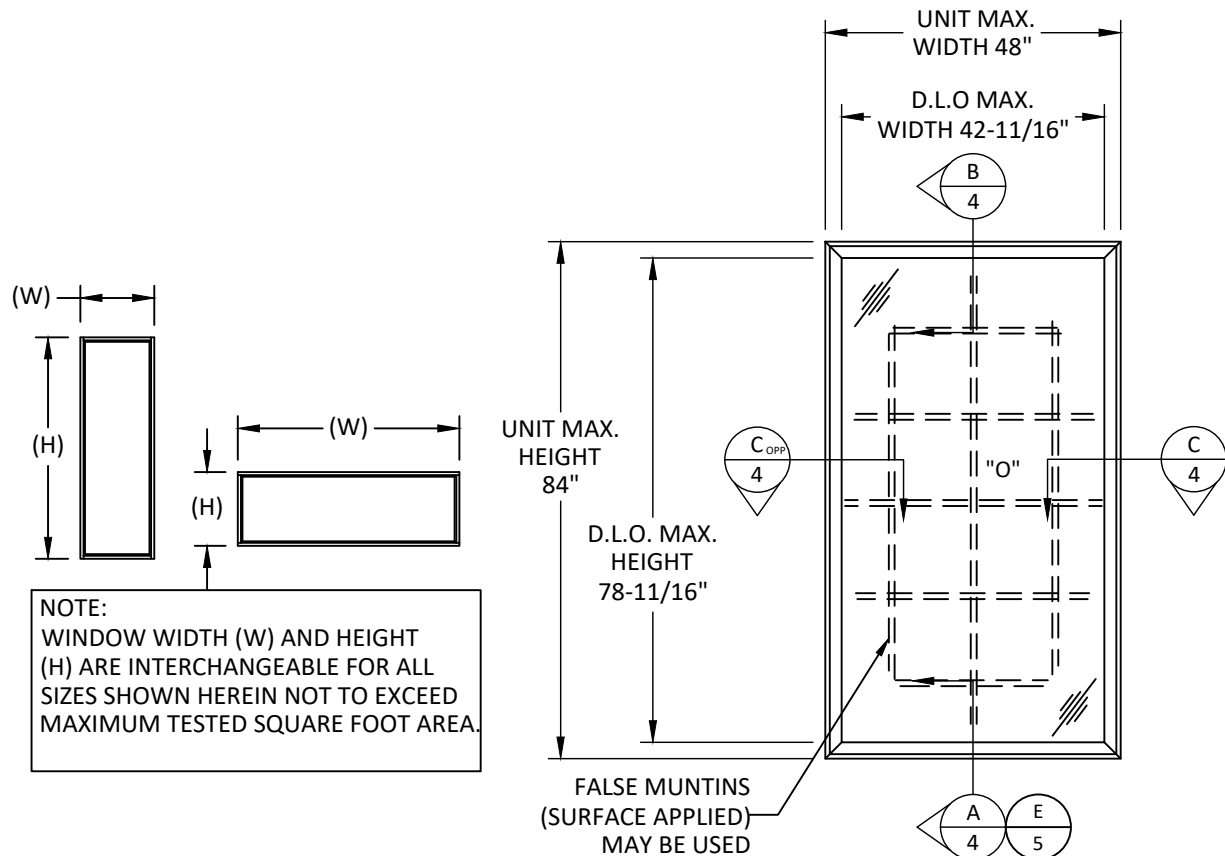
BD
BUILDING DROPS

REMARKS	BY	DATE
Current FBC & EC24-100	SM	10.21.15
FBC 2017 CODE CHANGE	AG	03.07.25
2020 FBC CODE CHANGE	NUS	03.07.25
Current FBC & EC24-100	LH	03.07.25

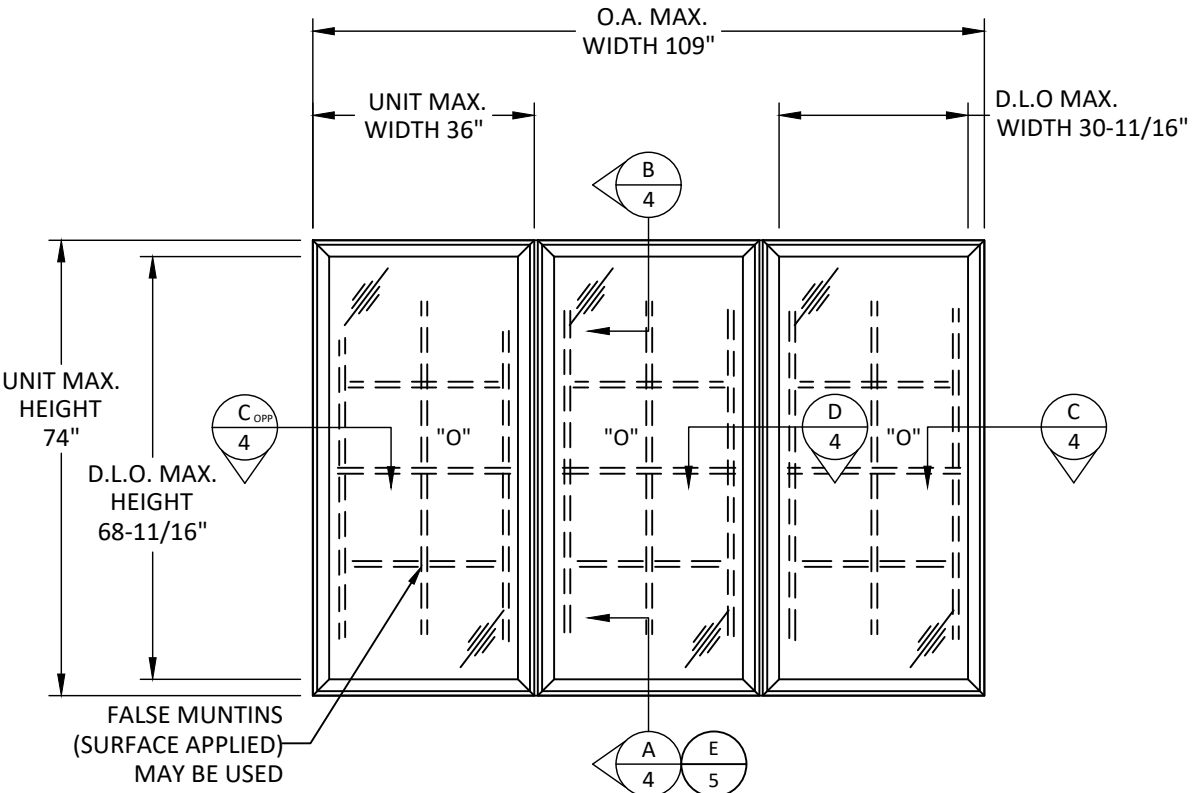
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



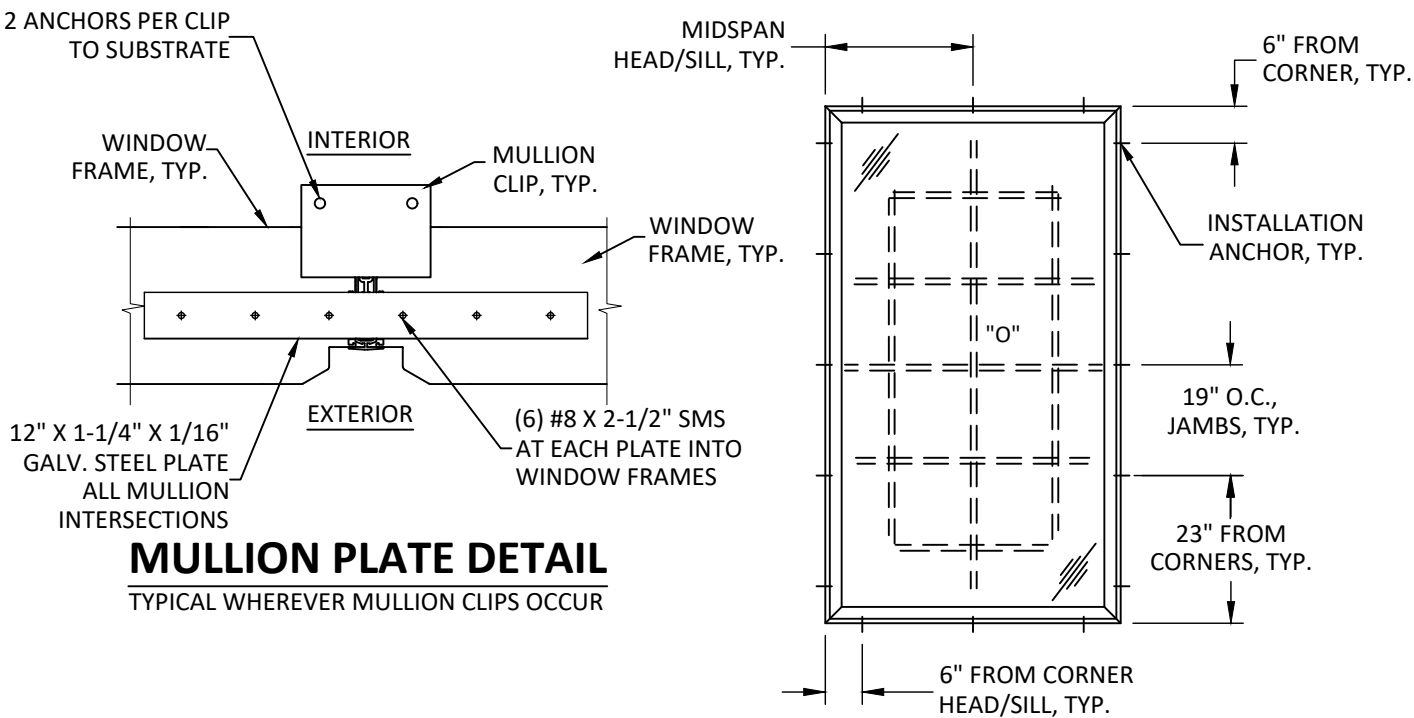
FL #:	FL 20471
DATE:	10.03.17
DWG. BY:	AR/AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR115
SECTION:	



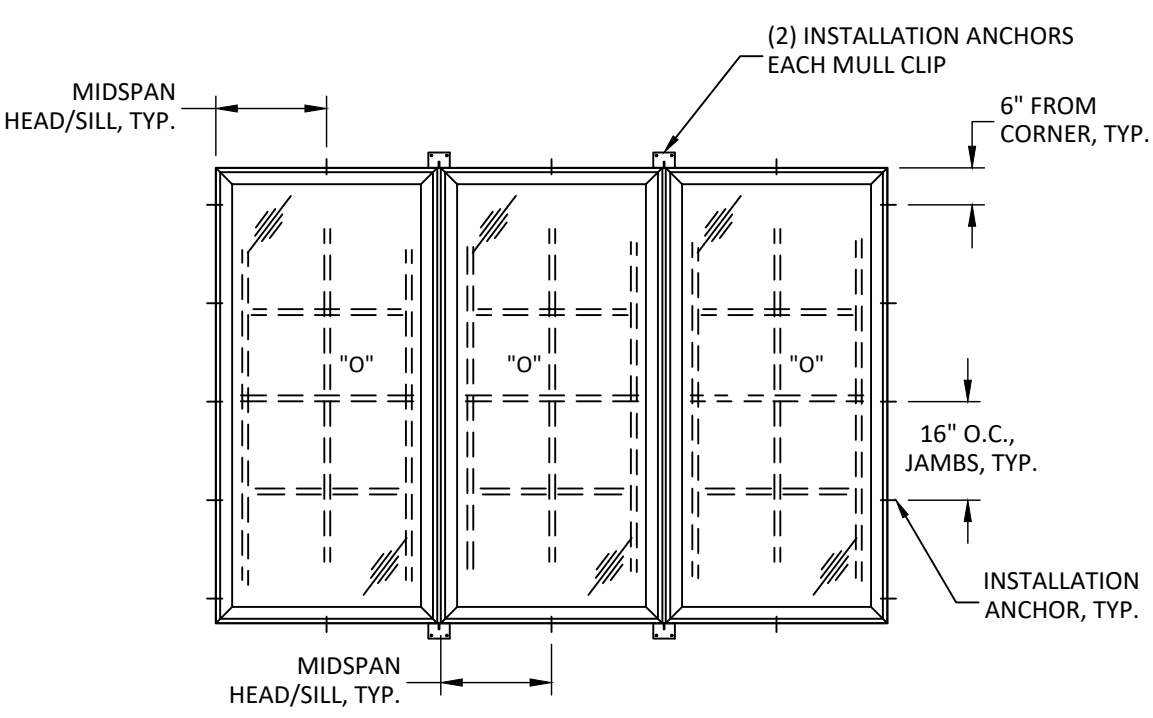
TYPICAL ELEVATION
SINGLE UNIT



TYPICAL ELEVATION
MULLED UNIT



ANCHOR LAYOUT
SINGLE UNIT



ANCHOR LAYOUT
MULLED UNIT

TITLE: **SERIES 8900/90/8000/1800/3900**
PICTURE WINDOW
(NON-HVHZ)/(NON-IMPACT)
ELEVATIONS
& ANCHOR LAYOUTS

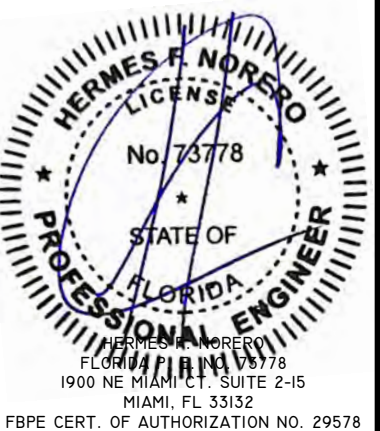
PREPARED BY: **BUILDING DROPS, INC.**

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



REMARKS	BY	DATE
Current FBC & EC24-100	SM	10.21.15
FBC 2017 CODE CHANGE	AG	03.07.25
2020 FBC CODE CHANGE	NUS	03.07.25
Current FBC & EC24-100	LH	03.07.25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:

FL 20471

DATE: **10.03.17**

DWG. BY:
AR/AG

CHK. BY:
HFN

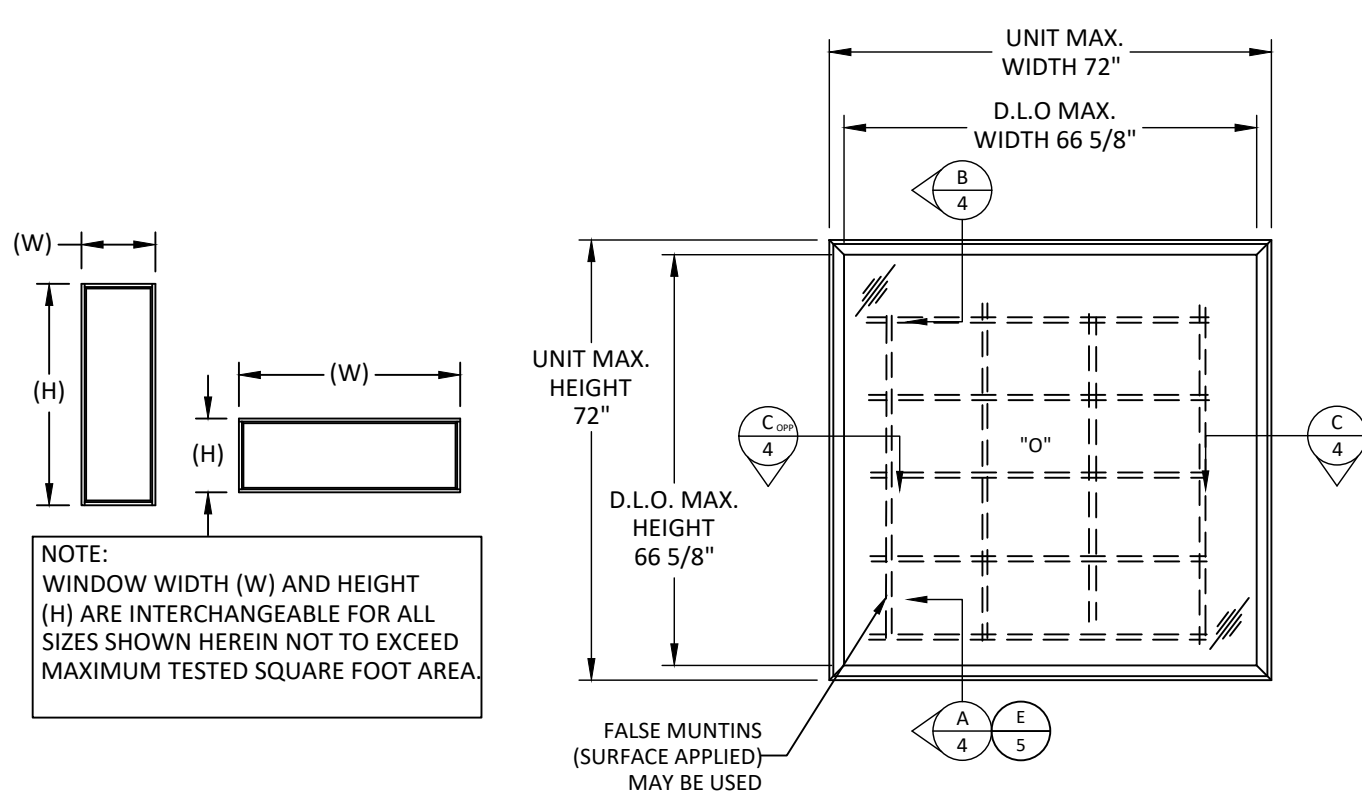
SCALE: **NTS**

DWG. #: **ATR115**

SECTION:

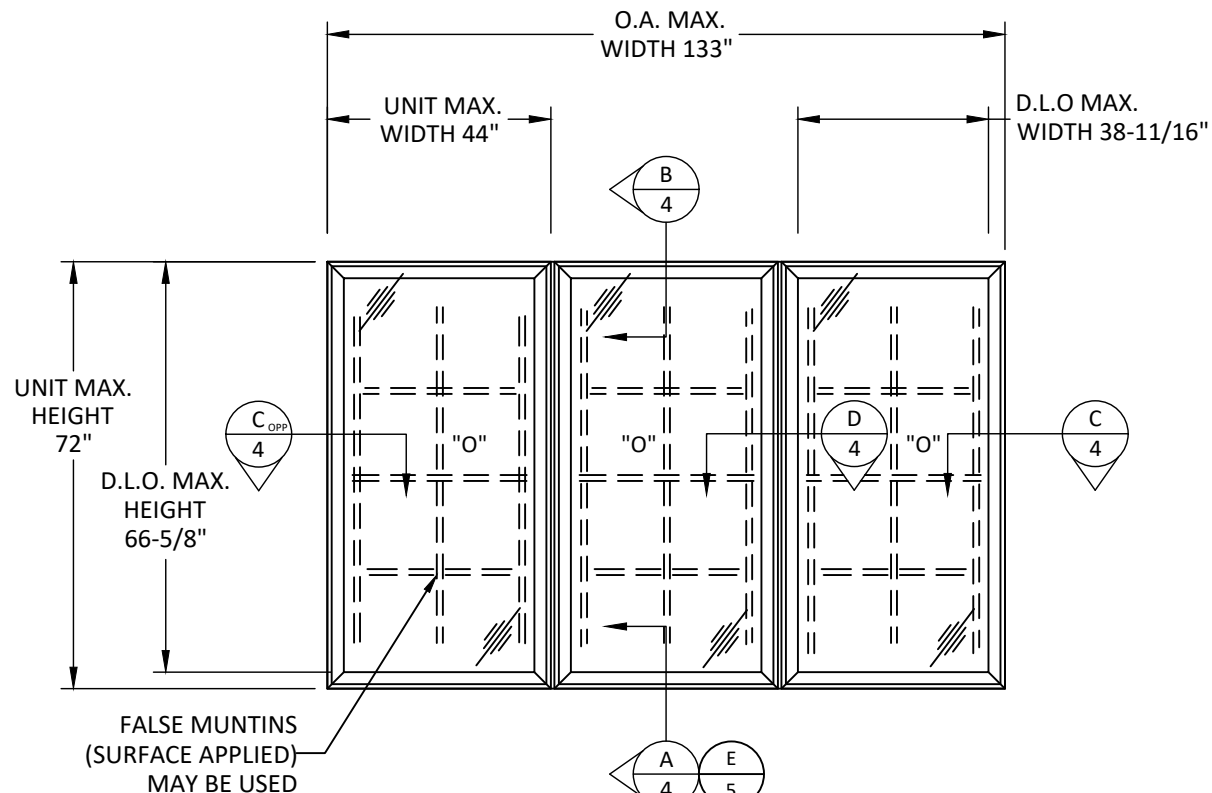
3

OF 5



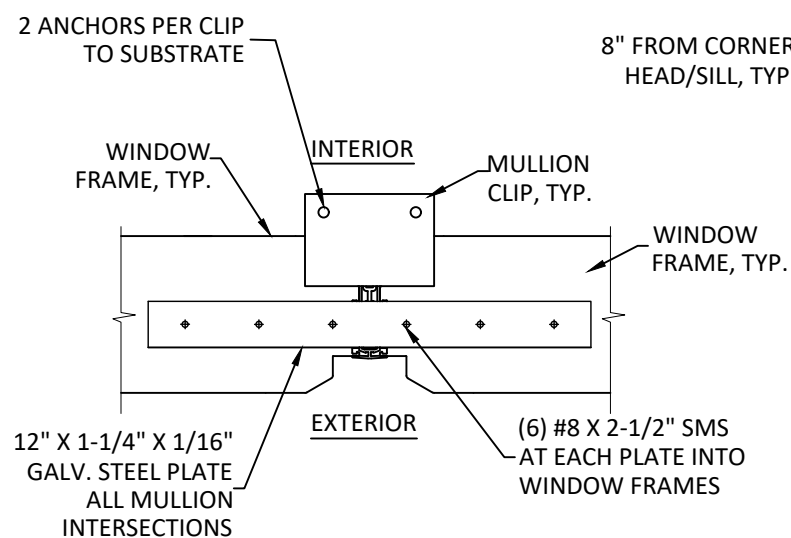
TYPICAL ELEVATION

SINGLE UNIT



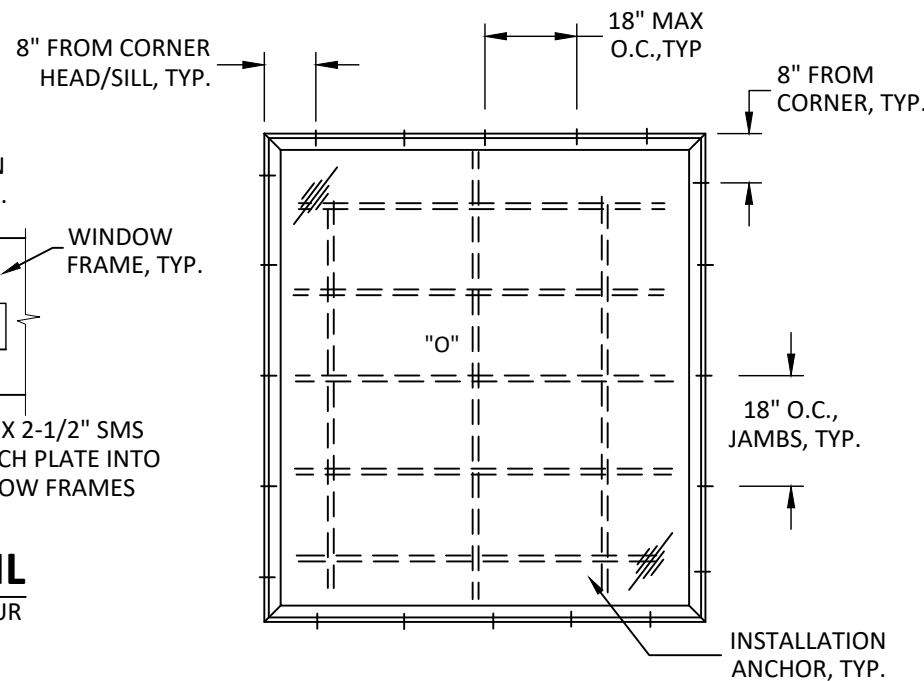
TYPICAL ELEVATION

MULLED UNIT



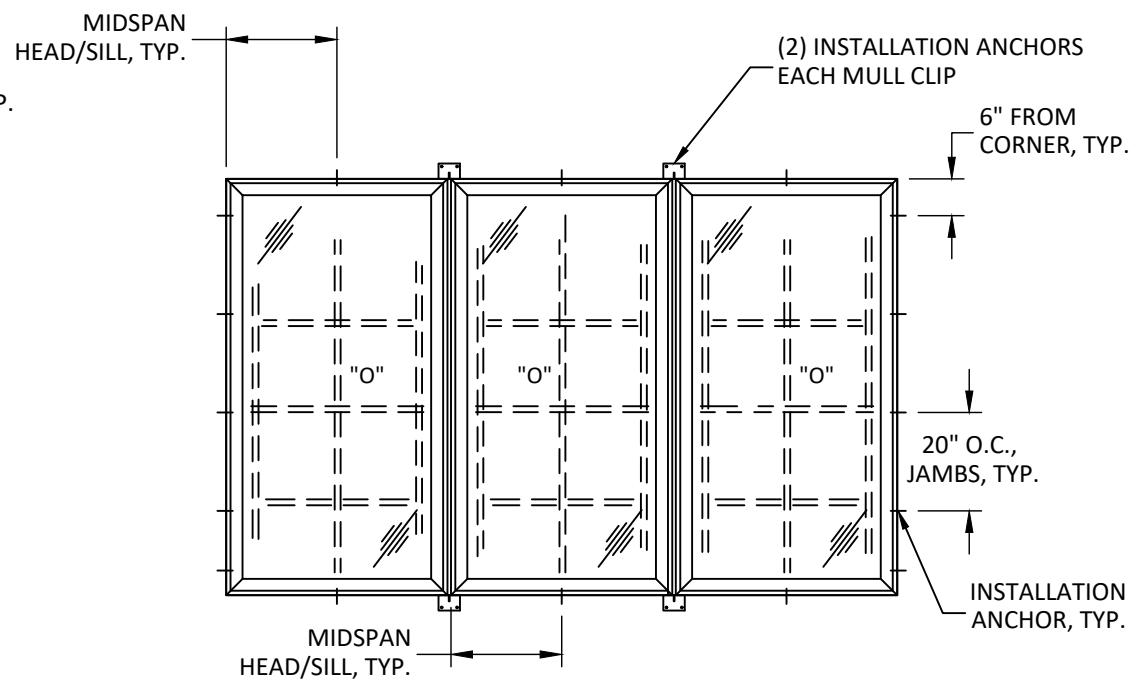
MULLION PLATE DETAIL

TYPICAL WHEREVER MULLION CLIPS OCCUR



ANCHOR LAYOUT

SINGLE UNIT



ANCHOR LAYOUT

MULLED UNIT

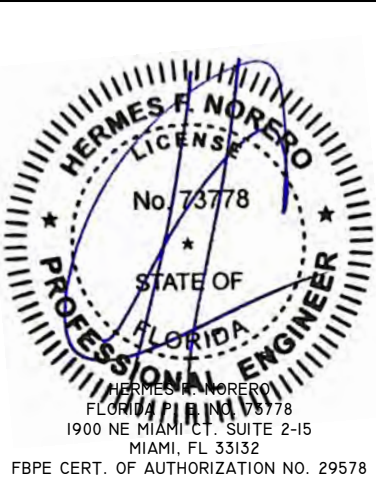
TITLE: **SERIES 8900/90/8000/1800/3900 PICTURE WINDOW (NON-HVHZ)/(NON-IMPACT) VERTICAL & HORIZONTAL SECTIONS**

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

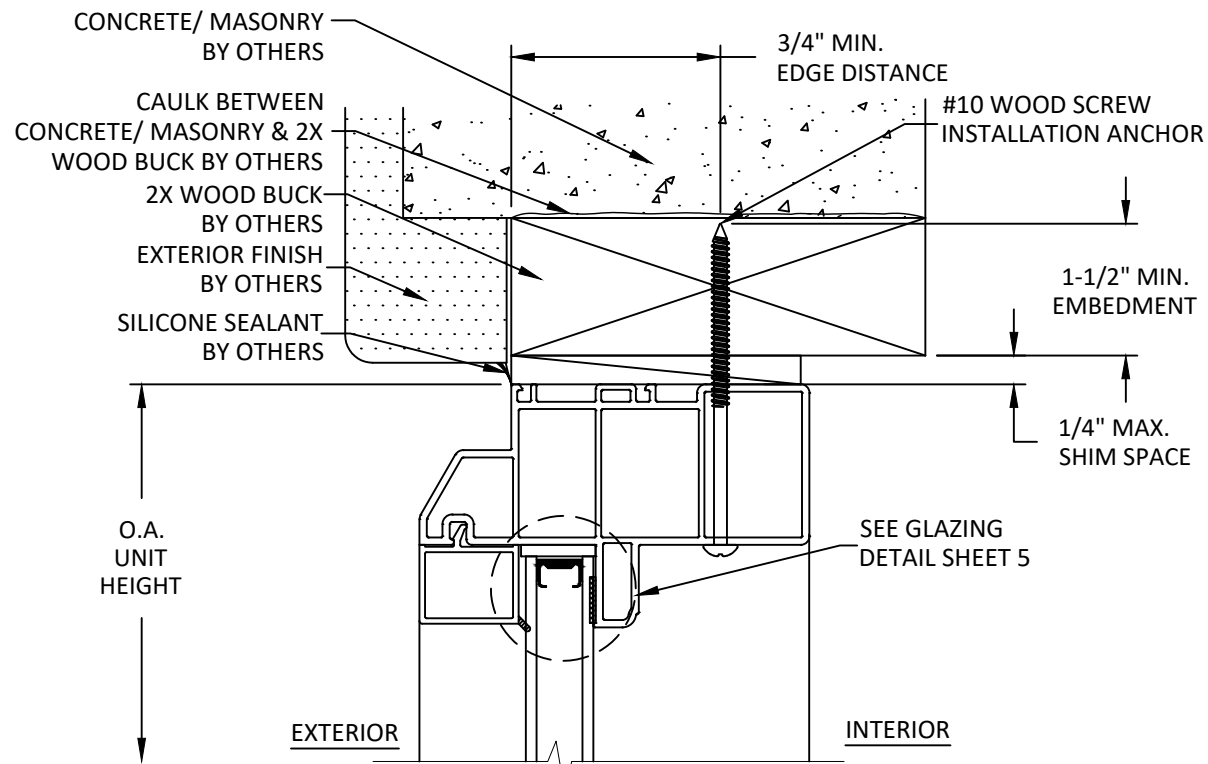
BD
BUILDING DROPS

REMARKS	BY	DATE
Current FBC & EC24-100	SM	10.21.15
FBC 2017 CODE CHANGE	AG	03.07.25
2020 FBC CODE CHANGE	NUS	03.07.25
Current FBC & EC24-100	LH	03.07.25

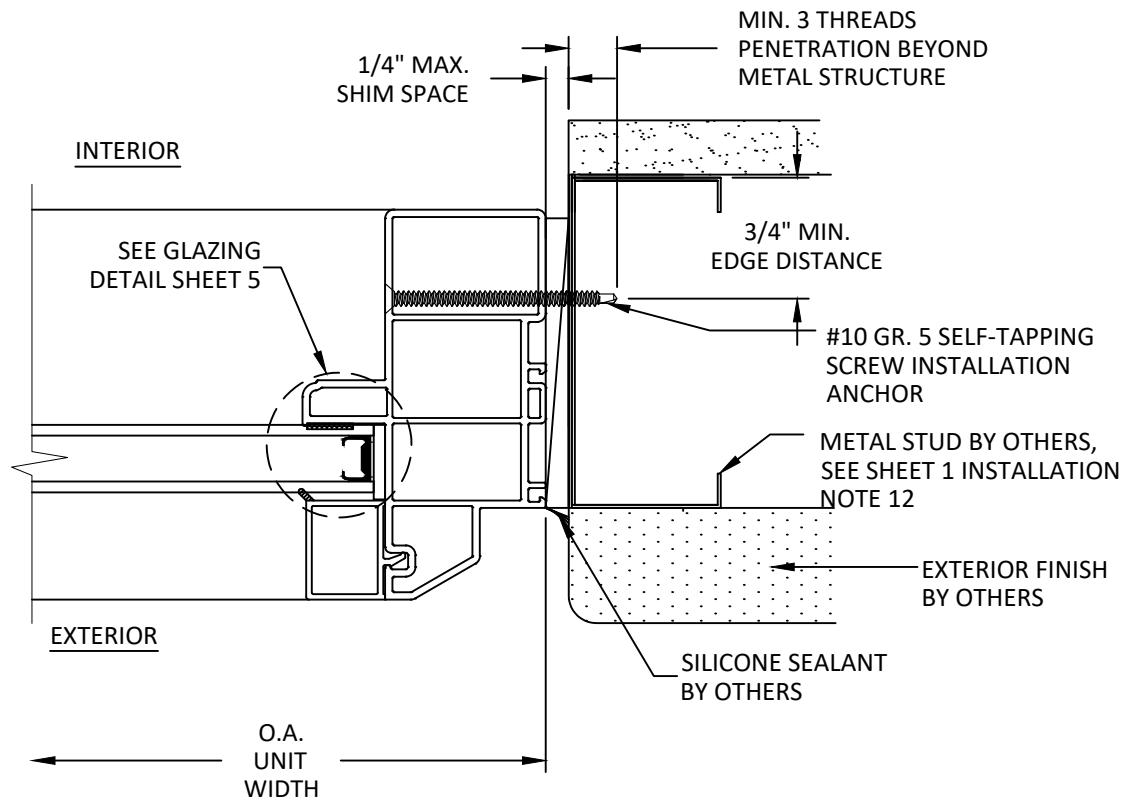
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



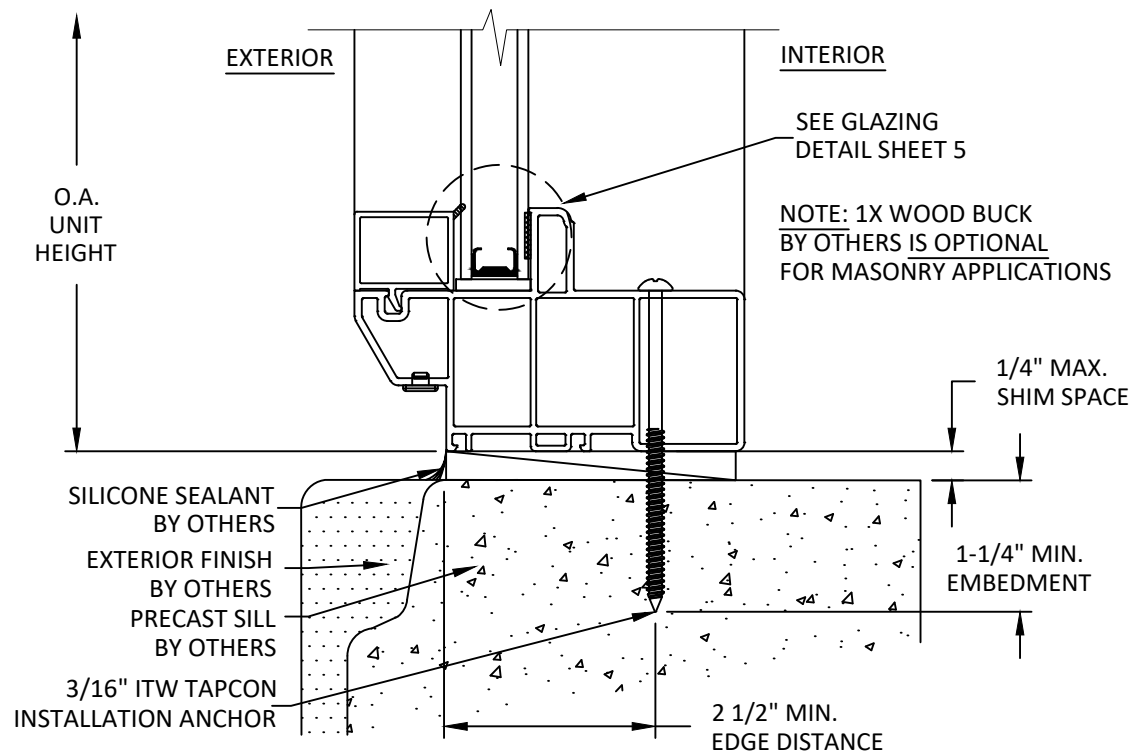
FL #:	FL 20471
DATE:	10.03.17
DWG. BY:	AR/AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR115
SECTION:	4



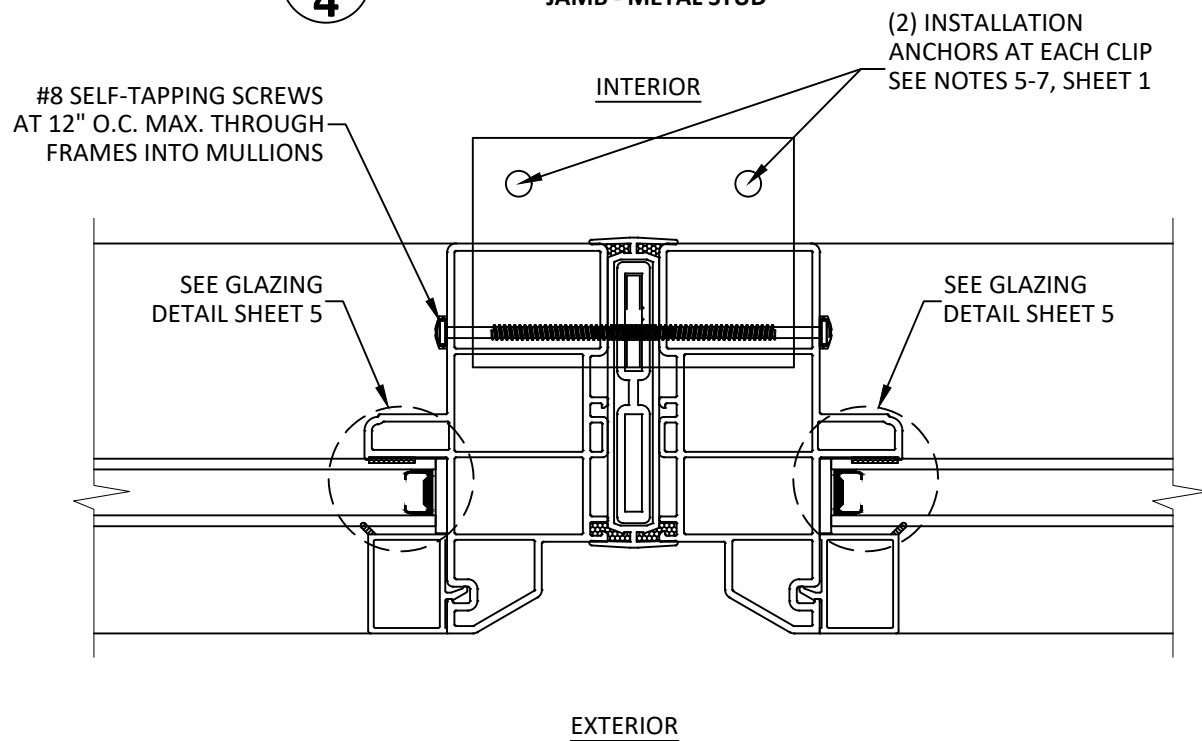
B
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK



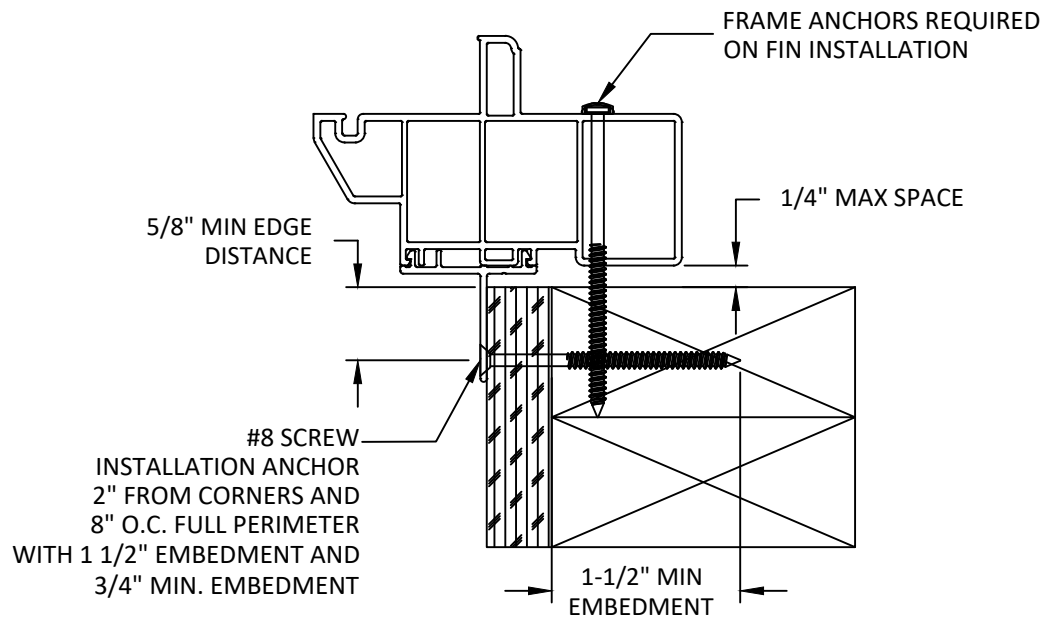
C
4 **HORIZONTAL SECTION**
JAMB - METAL STUD



A
4 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY



D
4 **HORIZONTAL SECTION**
VERTICAL MULLION

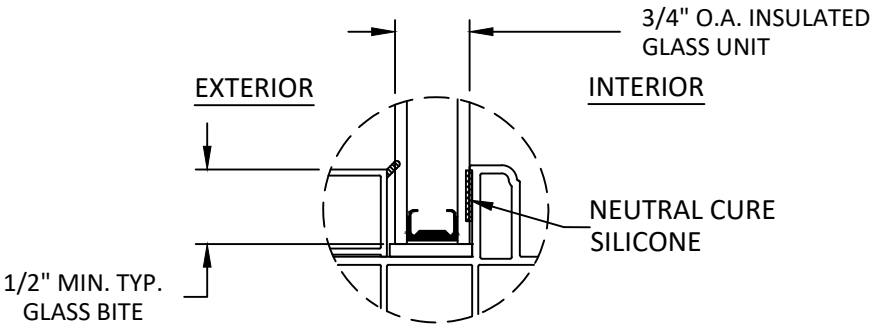


E
5

VERTICAL SECTION

SILL- 2X WOOD BUCK
NAILING FIN

NOTE:
TROUGH FRAME ANCHOR MUST BE
USED WHEN NAILING FIN USED.



GLAZING DETAIL

NOTE:
GLASS THICKNESS AND TYPE SHALL
COMPLY WITH ASTM E1300 GLASS
CHART REQUIREMENTS.

ATRIUM COMPANIES, INC.
300 Welcome Center Blvd.
Welcome, NC 27374
(800)-542-9118

TITLE:
SERIES 8900/90/8000/1800/3900
PICTURE WINDOW
(NON-HVHZ)(NON-IMPACT)
GLAZING DETAIL & VERTICAL SECTION

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
Current FBC & EC24-100	SM	10.21.15
FBC 2017 CODE CHANGE	AG	03.07.25
2020 FBC CODE CHANGE	NUS	03.07.25
Current FBC & EC24-100	LH	03.07.25

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:
FL 20471

DATE: **10.03.17**

DWG. BY: **AR/AG** | CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ATR115**

SECTION:
5

OF 5