

ATRIUM CORPORATION

SERIES 150/160 SINGLE HUNG 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 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 TO ACHIEVE SQUARE AND PLUMB INSTALLATION 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. **THROUGH FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #10 WOOD SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **THROUGH FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #10 SELF TAPPING SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. 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.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM 18 GA. WALL THICKNESS.

C. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/16" (0.0625").

GENERAL NOTES:

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

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

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.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GLAZING DETAILS, GENERAL & INSTALLATION NOTES
2	ELEVATIONS & ANCHOR LAYOUTS (SINGLE HUNG)
3	ELEVATION & ANCHOR LAYOUT (SINGLE HUNG TWIN/TRANSOM)
4	ELEVATION & ANCHOR LAYOUT(SINGLE HUNG TRIPLE)
5	VERTICAL SECTIONS
6	HORIZONTAL SECTIONS AND MULLIONS

CONFIGURATION	OVERALL SIZE		CONFIGURATION	INSTALLATION METHOD	DESIGN PRESSURE	MISSILE IMPACT RATING
	WIDTH	HEIGHT				
SINGLE HUNG	48"	96"	X/X(UNEQUAL SPLIT)	NAIL FIN	+/- 30 PSF	NON-IMPACT
	36"	96"	X/X(UNEQUAL SPLIT)	NAIL FIN	+/- 35 PSF	
	36"	74"	X/X (EQUAL SPLIT)	NAIL FIN	+/- 50 PSF	
SINGLE HUNG TWIN WITH TRANSOM	72-1/2"	108-1/2"	O/(X/X-X/X)	NAIL FIN	+/- 35 PSF	
SINGLE HUNG TRIPLE	109"	74"	X/X-X/X-X/X	NAIL FIN	+/- 35 PSF	

ATRIUM

WINDOWS AND DOORS

Part of the Cornerstone Building Brands Family

ATRIUM WINDOWS AND DOORS

300 Welcome Center Blvd

Welcome, NC 27374

PH: (800)-542-9118

TITLE:

SERIES 150/160
SINGLE HUNG WINDOW

GLAZING DETAILS, GENERAL
& 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

www.buildingdrops.com

REMARKS	BY	DATE
Current FBC	LH	08.18.25

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.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.10.27 14:50:28 -0400'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO

FLORIDA LICENSE NO. 73778

1900 NE MIAMI CT., SUITE 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION NO. 29578

FL #:

FL20100

DATE:

02/14/2020

DWG. BY:

YC

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

ATR131

SECTION:

1

OF 6

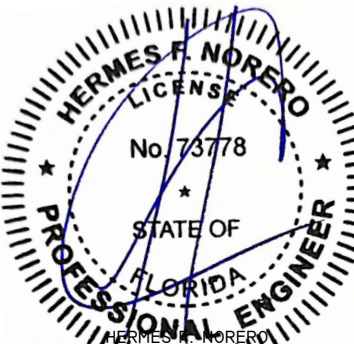
TITLE:
SERIES 150/160
SINGLE HUNG WINDOW
ELEVATIONS & ANCHOR LAYOUTS
(SINGLE HUNG)

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	LH	08.18.25

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
FLORIDA PROFESSIONAL ENGINEER
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

FL #:
FL20100

DATE: **02/14/2020**

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

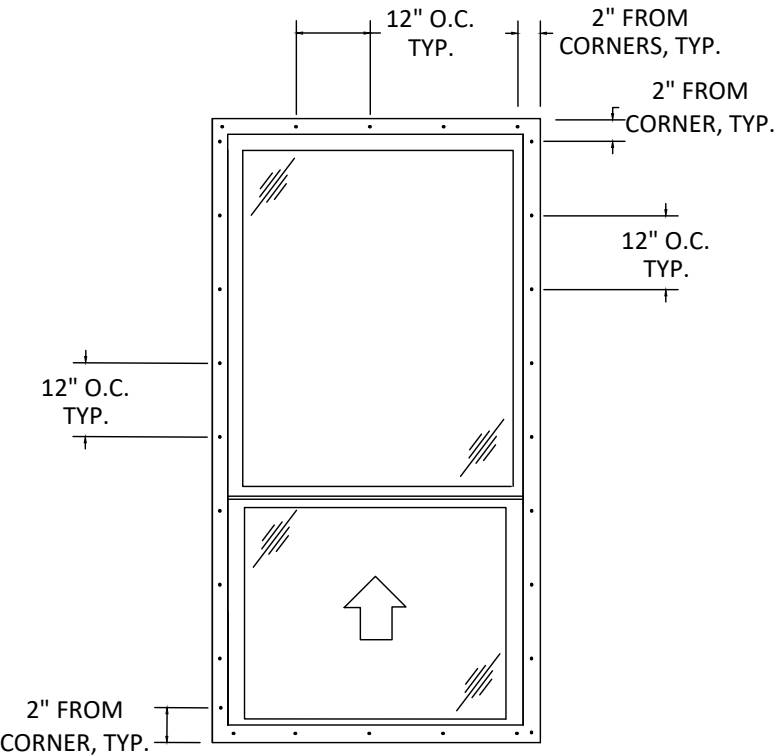
SCALE: **NTS**

DWG. #: **ATR131**

SECTION:

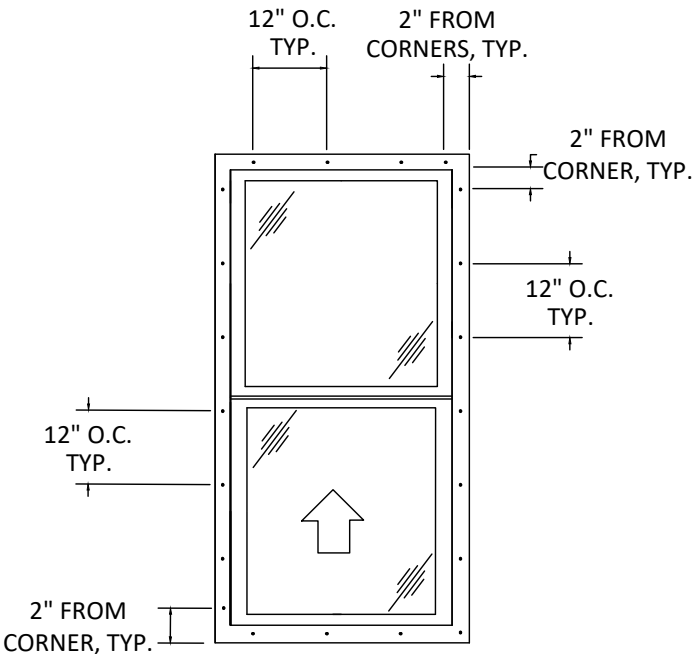
2

OF 6



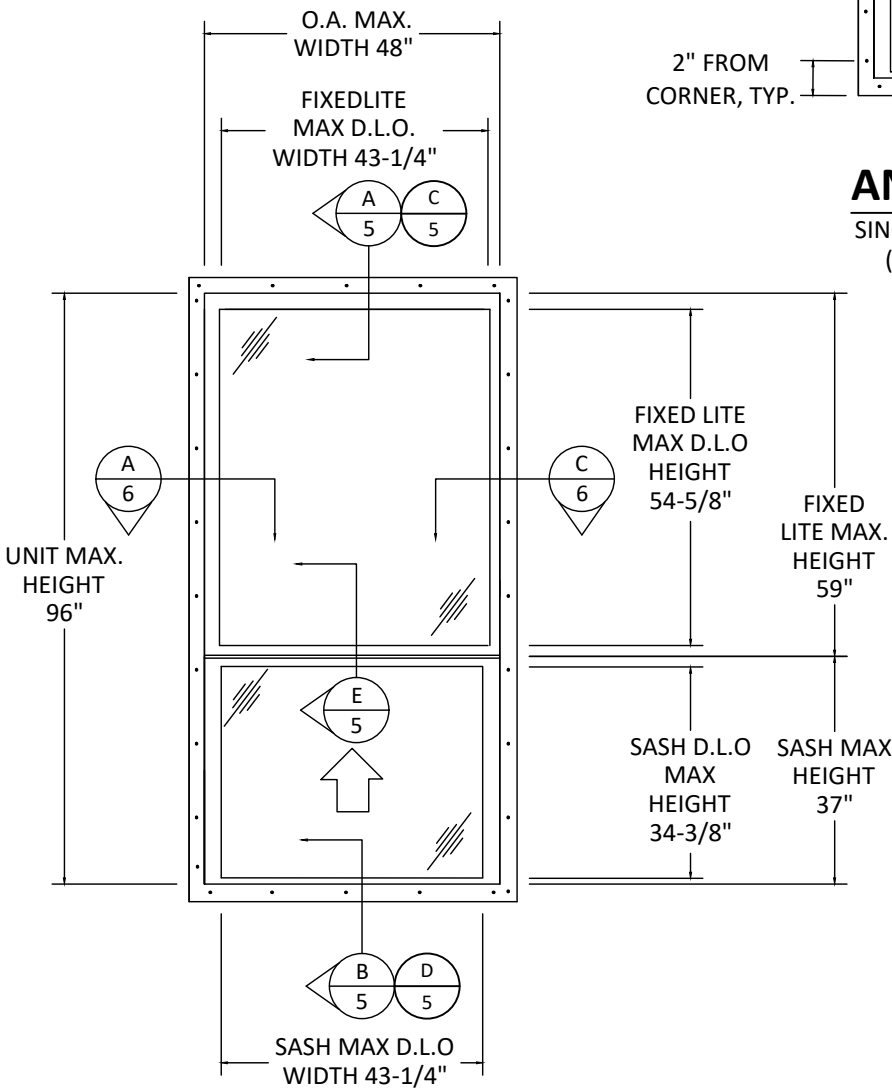
ANCHOR LAYOUT

SINGLE HUNG(UNEQUAL SPLIT)
(NAIL FIN INSTALLATION)



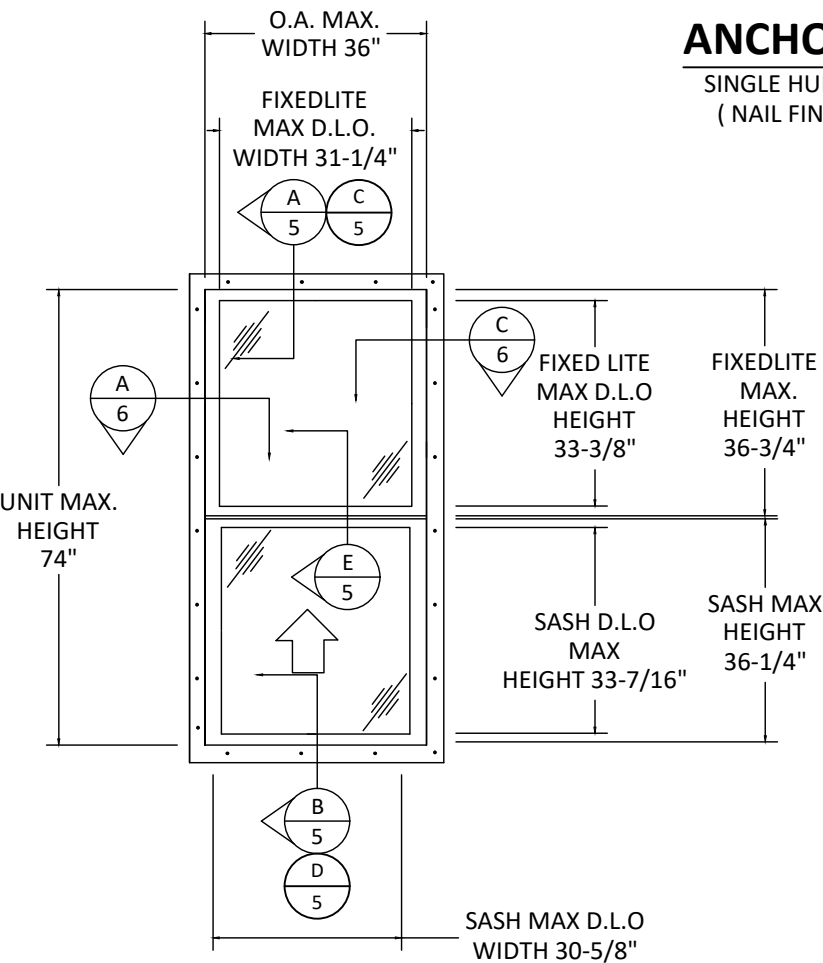
ANCHOR LAYOUT

SINGLE HUNG(EQUAL SPLIT)
(NAIL FIN INSTALLATION)



TYPICAL ELEVATION

SINGLE HUNG(UNEQUAL SPLIT)
(NAIL FIN INSTALLATION)



TYPICAL ELEVATION

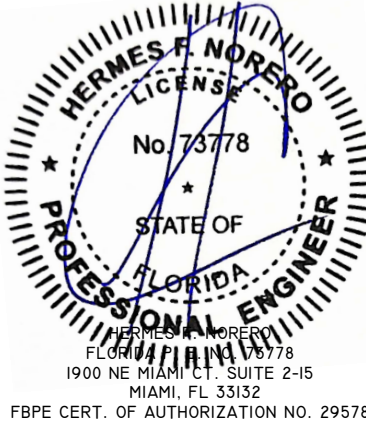
SINGLE HUNG(EQUAL SPLIT)
(NAIL FIN INSTALLATION)

TITLE:
 SERIES 150/160
 SINGLE HUNG WINDOW
 ELEVATION & ANCHOR LAYOUT
 (SINGLE HUNG TWIN/TRANSOM)

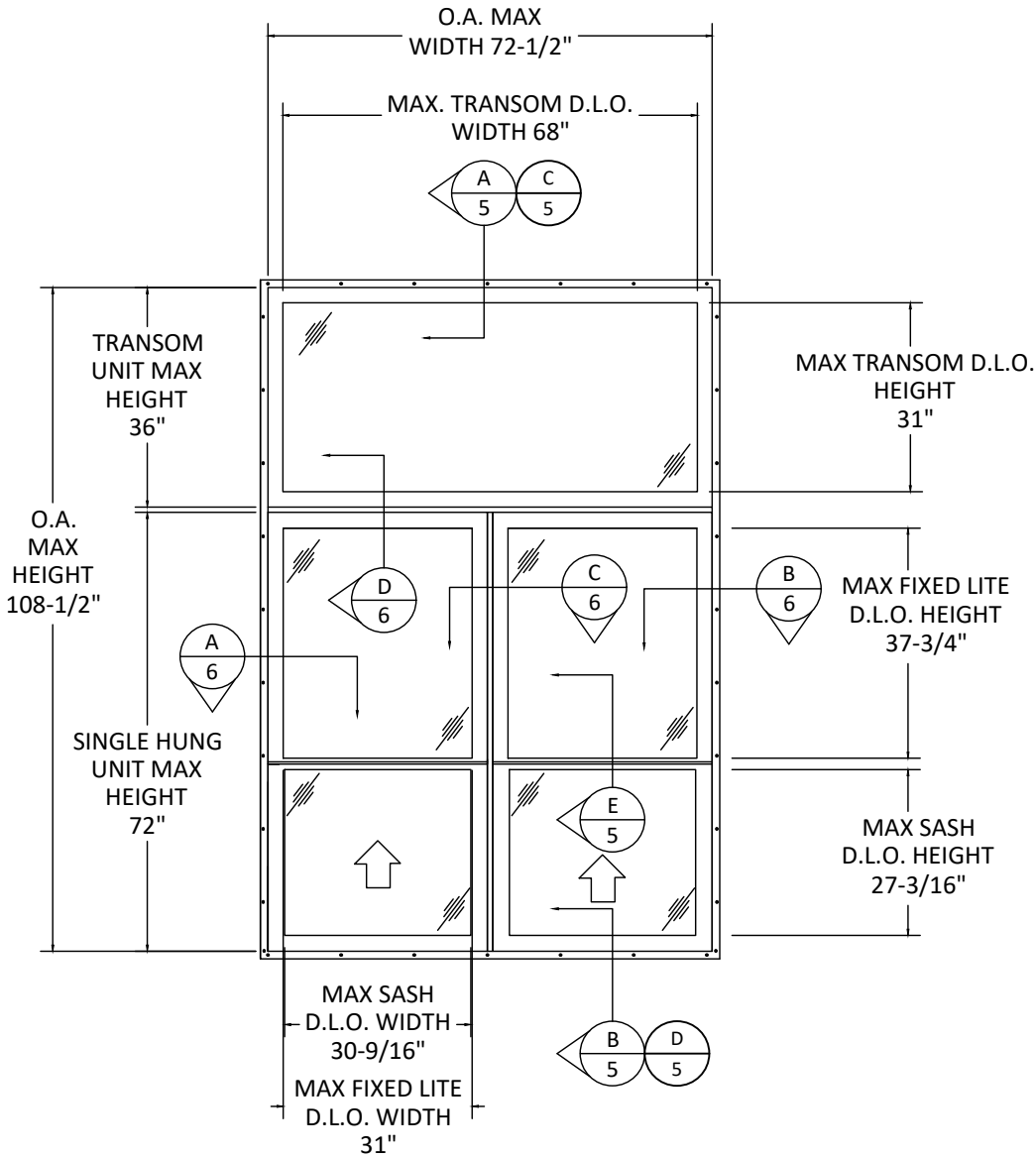
PREPARED BY:
 BUILDING DROPS, INC.
 1900 NE MIAMI CT., SUITE 2-15
 MIAMI, FL 33132
 PH: (954)399-8478
 FAX: (954)744-4738
 BUILDING DROPS WEB: www.buildingdrops.com

REMARKS	BY	DATE
Current FBC	LH	08.18.25

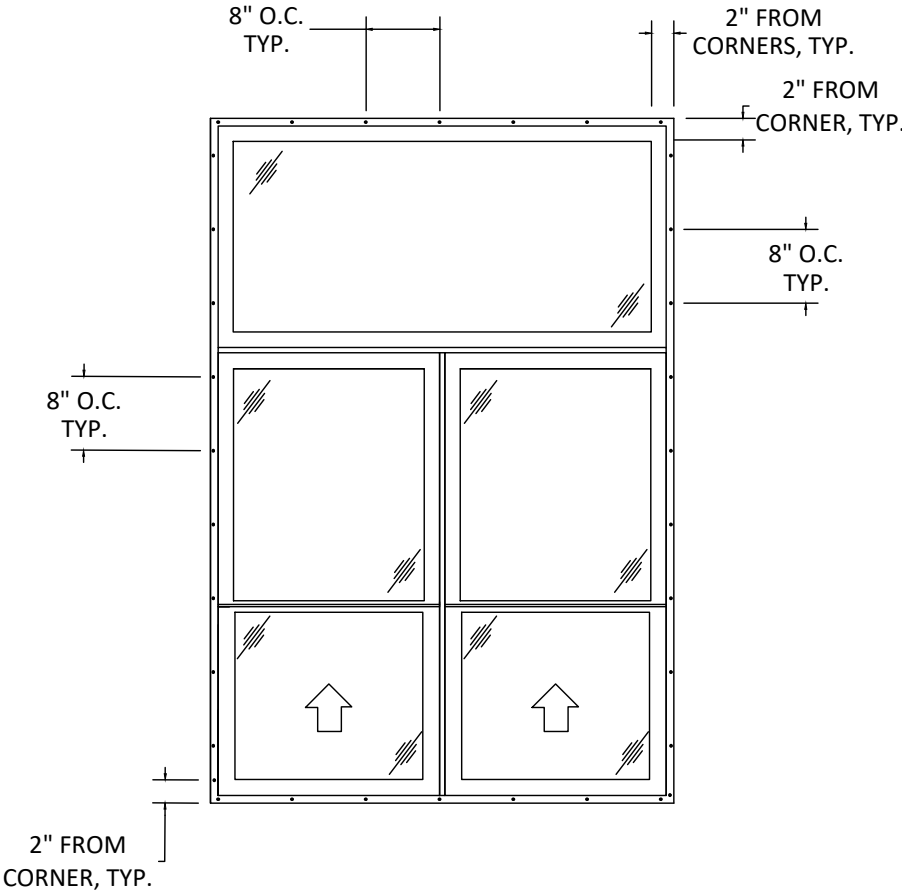
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



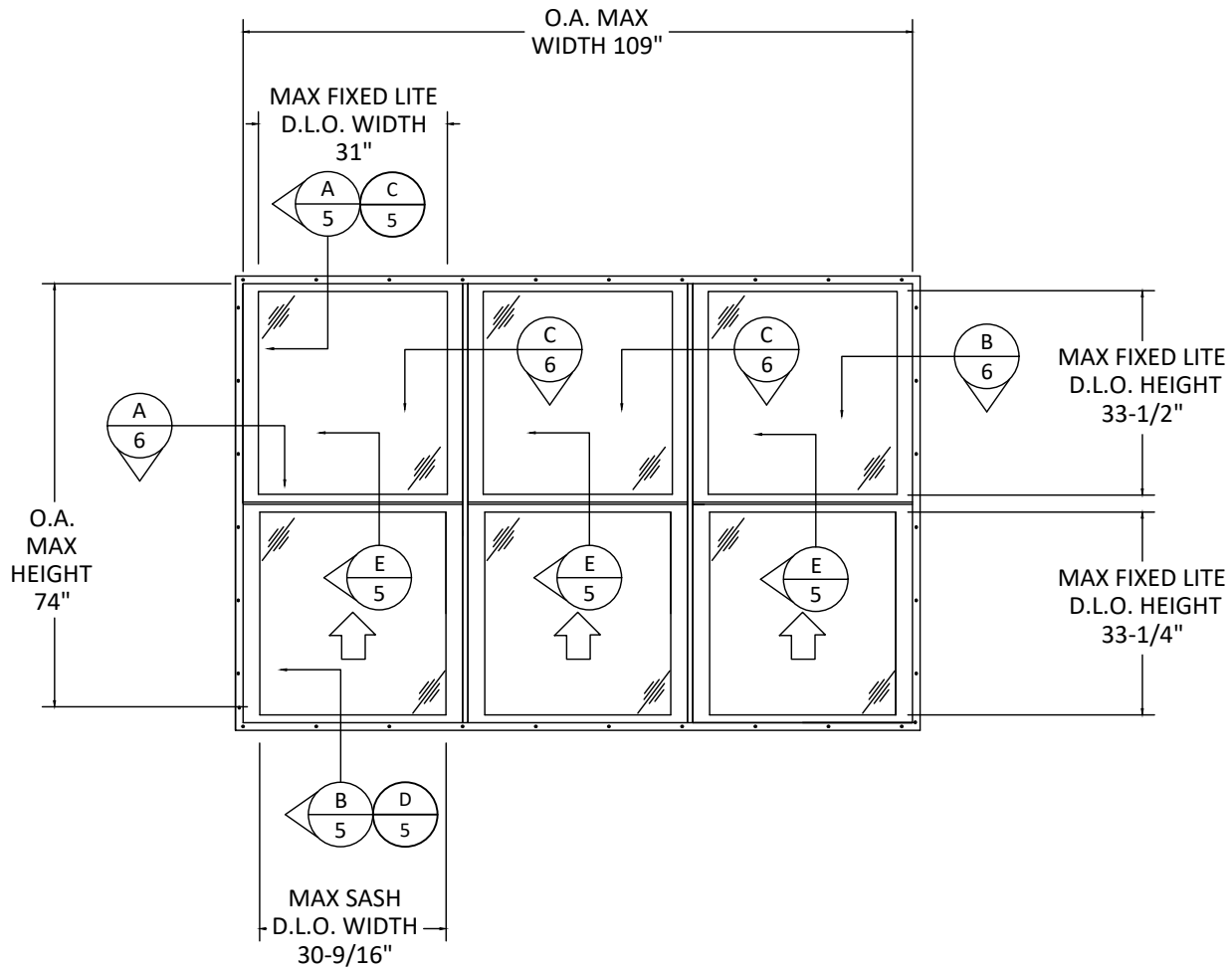
FL #:	FL20100
DATE:	02/14/2020
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR131
SECTION:	3



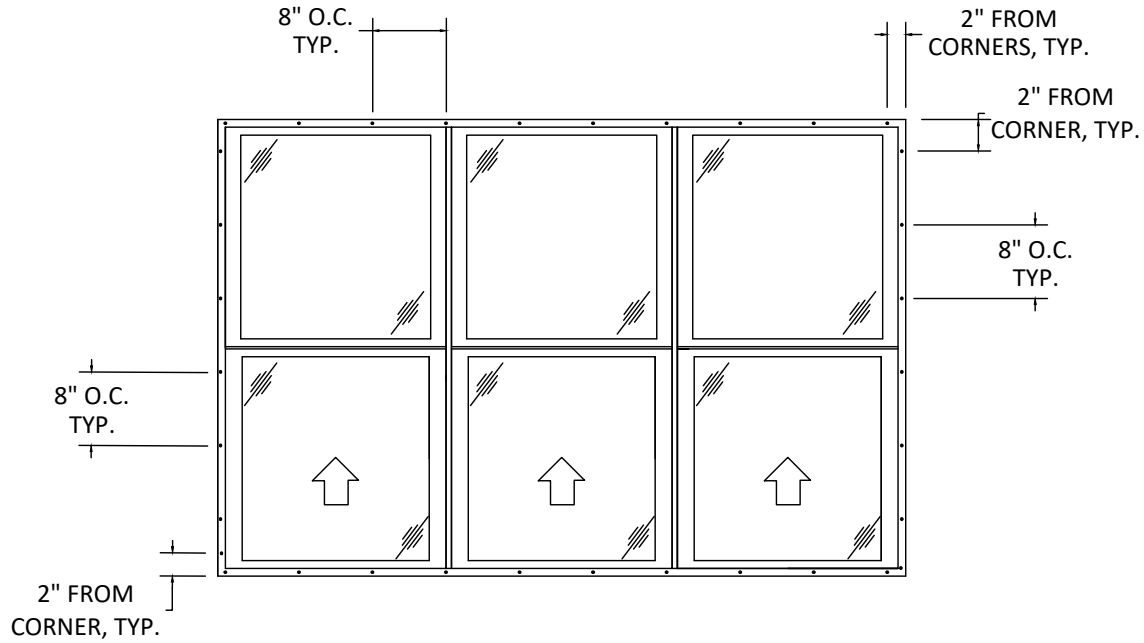
TYPICAL ELEVATION
 SINGLE HUNG (TWIN WITH TRANSOM)
 (NAIL FIN INSTALLATION)



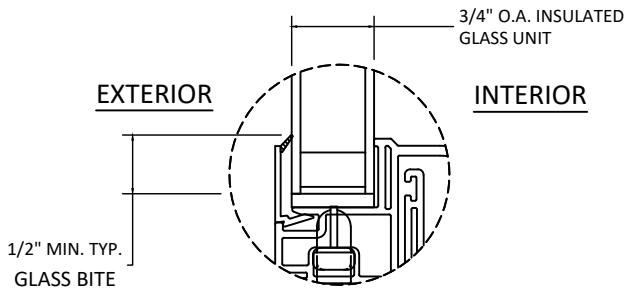
ANCHOR LAYOUT
 SINGLE HUNG(TWIN WITH TRANSOM)
 (NAIL FIN INSTALLATION)



TYPICAL ELEVATION
SINGLE HUNG TRIPLE
(NAIL FIN INSTALLATION)



ANCHOR LAYOUT
SINGLE HUNG TRIPLE
(NAIL FIN INSTALLATION)



GLAZING DETAIL 1

- GLAZING NOTES:
1. GLASS TYPE SHALL COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.



Part of the Cornerstone Building Brands Family

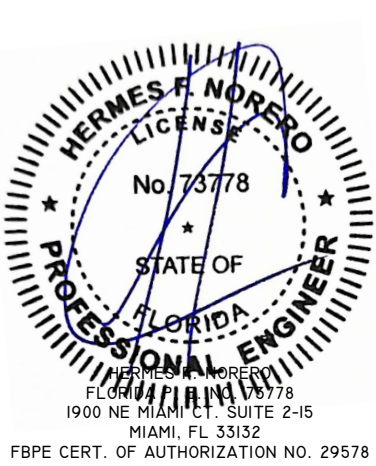
ATRIUM WINDOWS AND DOORS
300 Welcome Center Blvd
Welcome, NC 27374
PH: (800)-542-9118

TITLE: **SERIES 150/160
SINGLE HUNG WINDOW**
ELEVATION & ANCHOR LAYOUT
(SINGLE HUNG TRIPLE)

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	LH	08.18.25

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 #:	FL20100
DATE:	02/14/2020
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR131
SECTION:	4

TITLE: **SERIES 150/160
SINGLE HUNG WINDOW**

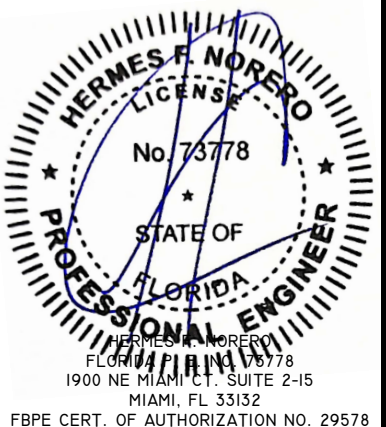
VERTICAL SECTIONS

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

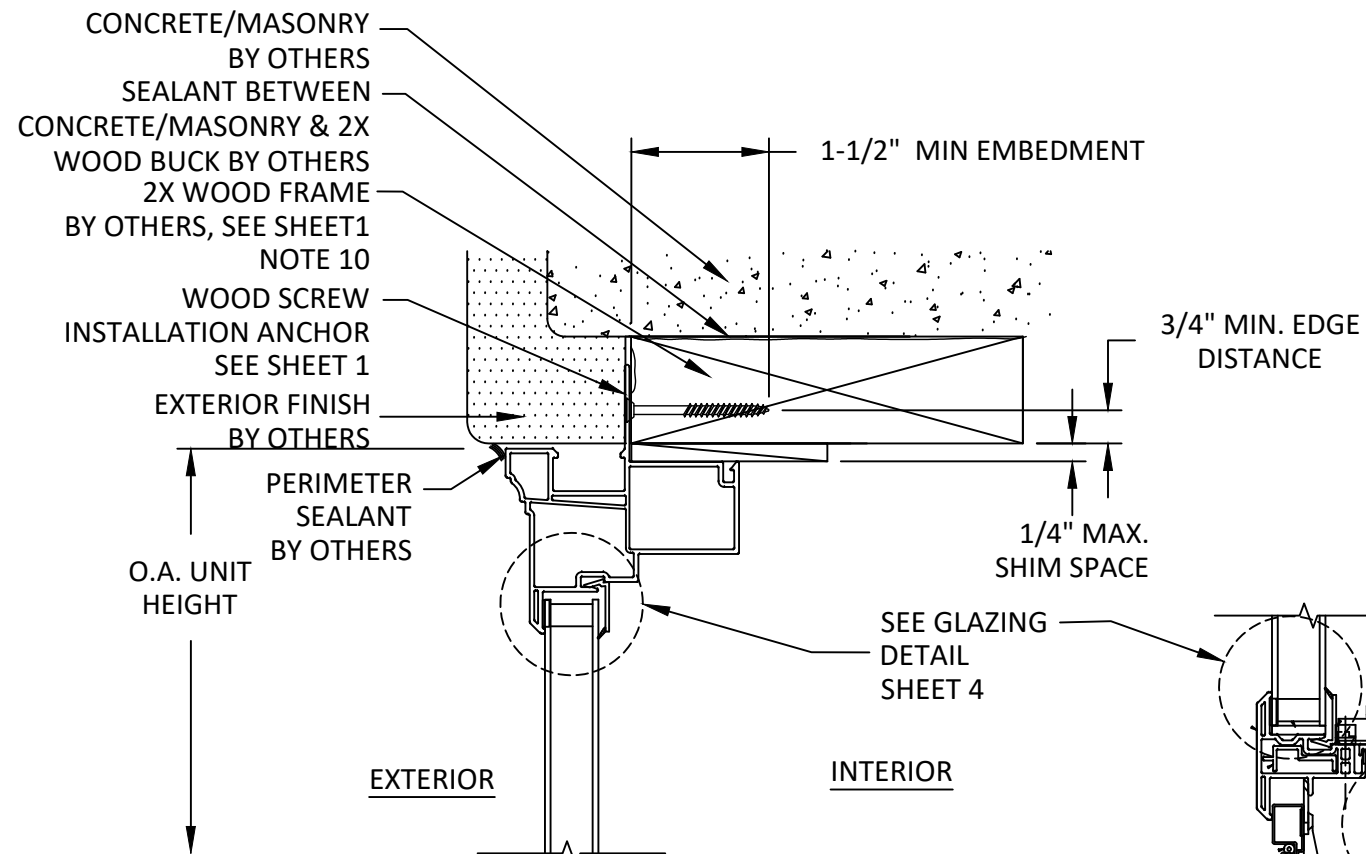
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
Current FBC	LH	08.18.25

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.

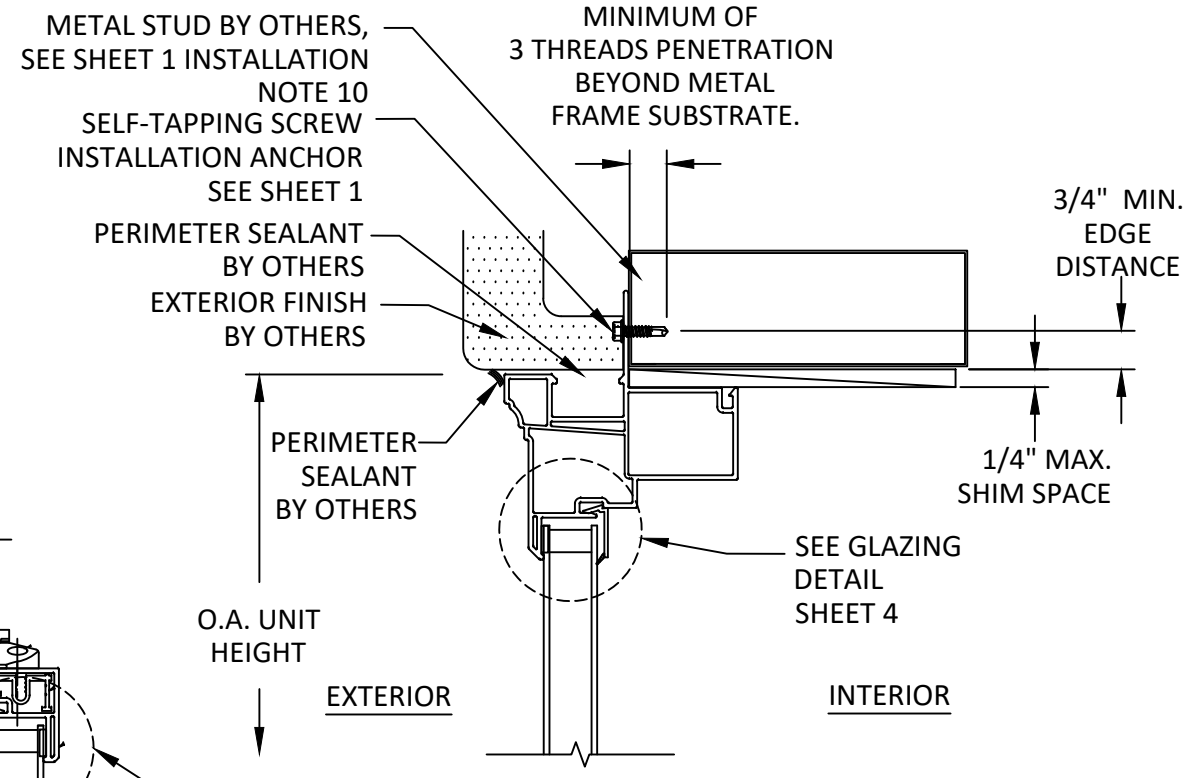


FL #:		FL20100	
DATE:		02/14/2020	
DWG. BY:	YC	CHK. BY:	HFN
SCALE:		NTS	
DWG. #:		ATR131	
SECTION:			

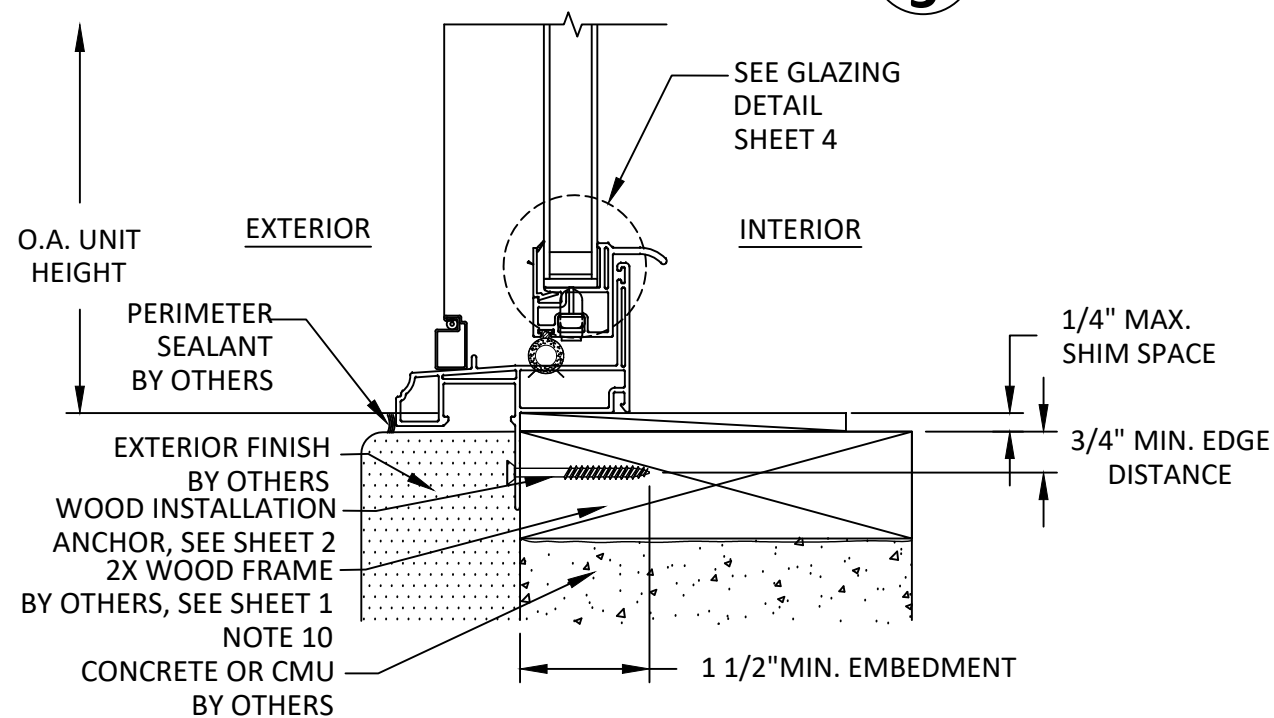


A5 **VERTICAL SECTION**
HEAD - 2X WOOD FRAME
NAIL FIN INSTALLATION

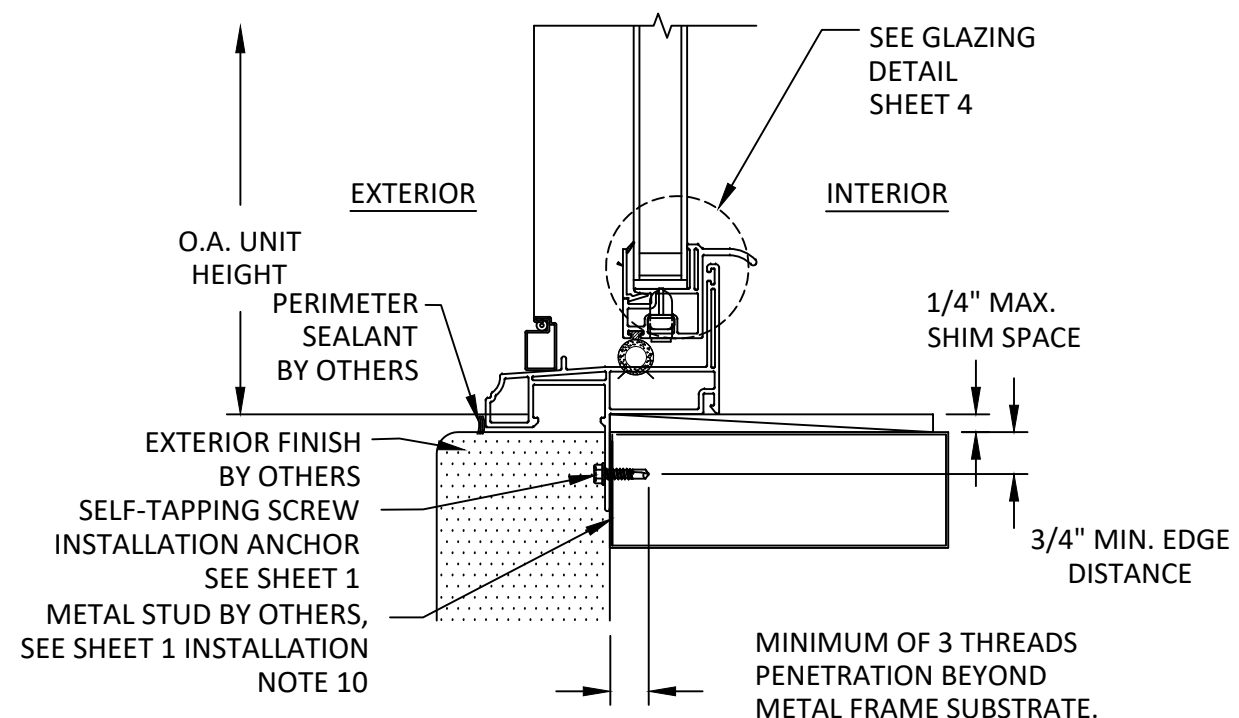
E5 **VERTICAL SECTION**
MEETING RAIL



C5 **VERTICAL SECTION**
HEAD - METAL STUD FRAME
NAIL FIN INSTALLATION



B5 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
NAIL FIN INSTALLATION



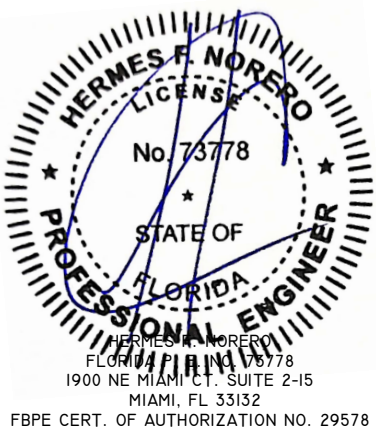
D5 **VERTICAL SECTION**
SILL - METAL STUD SUBSTRATE
NAIL FIN INSTALLATION

TITLE:
**SERIES 150/160
SINGLE HUNG WINDOW**
HORIZONTAL SECTIONS &
MULLIONS

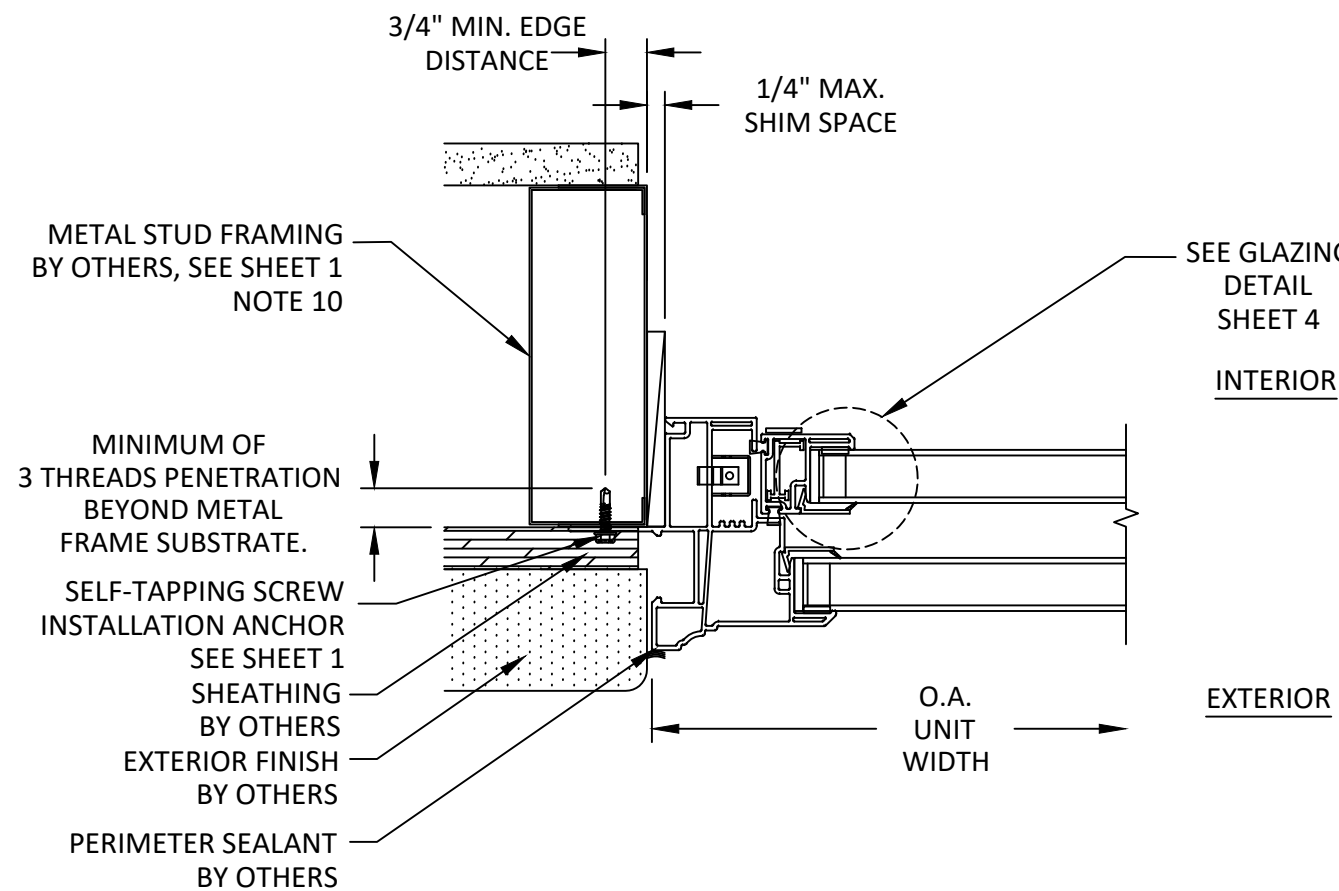
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
Current FBC	LH	08.18.25

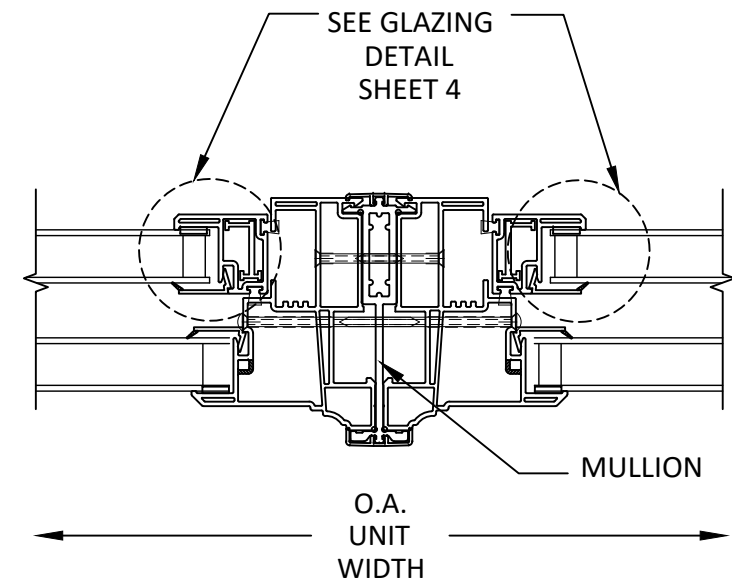
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



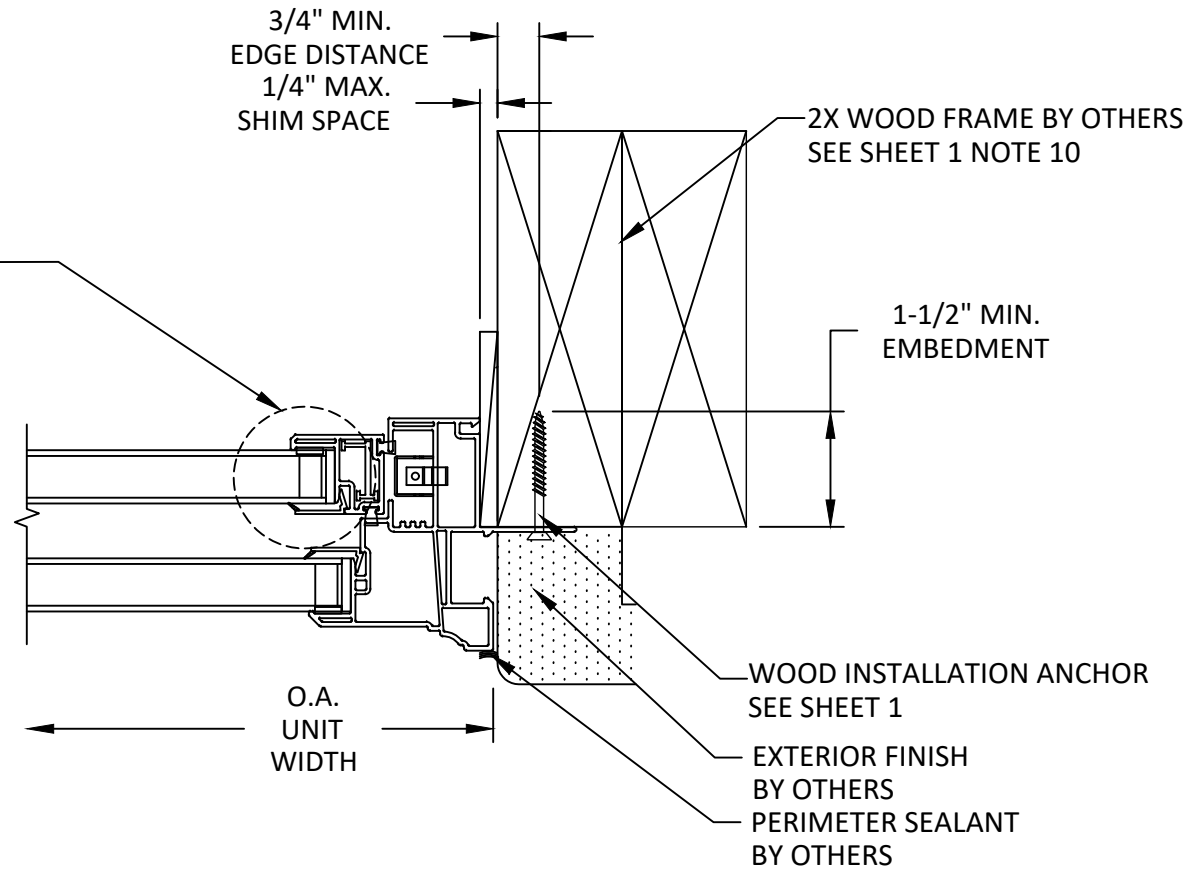
FL #:	FL20100
DATE:	02/14/2020
DWG. BY:	YC
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR131
SECTION:	6



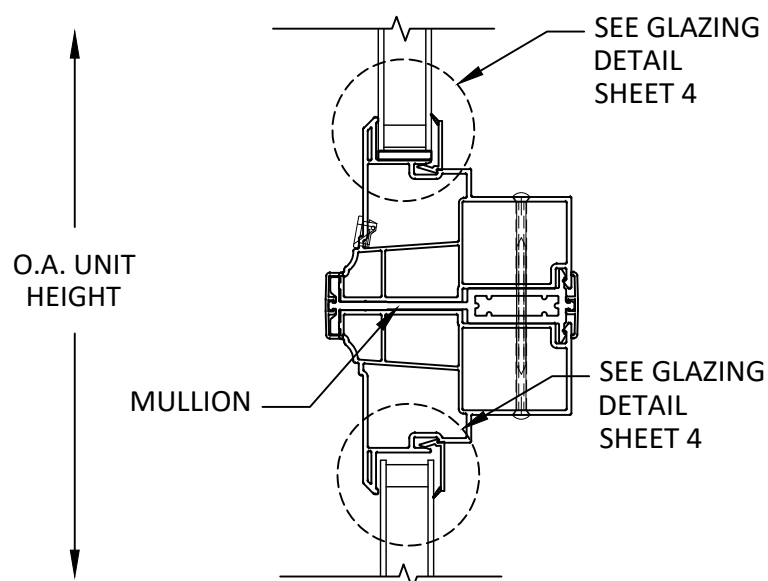
A
6
HORIZONTAL SECTION
METAL STUD FRAME
NAIL FIN INSTALLATION



C
6
HORIZONTAL SECTION
MULLION



B
6
HORIZONTAL SECTION
2X WOOD FRAME
NAIL FIN INSTALLATION



D
6
VERTICAL SECTION
MULLION