

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 BASED ON QUANTITIES IN DP CHARTS NOT TO EXCEED 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. FOR INSTALLATION THROUGH THE FRAME INTO WOOD FRAMING USE #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. FOR INSTALLATION THROUGH THE NAILING FLANGE INTO WOOD FRAMING USE #8 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 THROUGH THE FRAME 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.
7. FOR INSTALLATION THROUGH THE NAILING FLANGE INTO METAL STUD OR APPROVED MULLION USE #8 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 0.55.

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 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/A440-08
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 MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 6 FOR GLAZING DETAILS.

ATRIUM CORPORATION

SERIES 5700/105/8050/3050/5/900/1050

SINGLE HUNG WINDOW

(NON-HVHZ) (NON-IMPACT)

TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIG.	GLAZING METHOD	INSTALL. METHOD	MISSILE IMPACT RATING
WIDTH	HEIGHT					
108"	84"	+/- 35 PSF	O/X.O/X.O/X (EQUAL)	WET GLAZE	THROUGH FRAME OR NAIL FIN	NON-IMPACT
108"	72"	+/- 50 PSF	O/X.O/X.O/X (EQUAL)			
96"	72"	+/- 35 PSF	O/X.O/X (EQUAL)			
84"	84"	+/- 35 PSF	O/X.O/X (EQUAL)			
48"	96"	+/- 25 PSF	O/X (ORIEL)			
48"	84"	+/- 35 PSF	O/X (EQUAL)			
44"	96"	+/- 35 PSF	O/X (ORIEL)			
36"	96"	+/- 50 PSF	O/X (ORIEL)			
48"	96"	+/- 25 PSF	O/X (ORIEL)	TAPE GLAZE		
48"	84"	+/- 35 PSF	O/X (EQUAL)			
44"	96"	+/- 30 PSF	O/X (ORIEL)			
36"	96"	+/- 50 PSF	O/X (ORIEL)			

NOTE: SEE SHEET 6 FOR GLAZING METHODS

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	A	INSTALLATION & GENERAL NOTES
2	A	ELEVATIONS
3	A	ANCHOR LAYOUTS
4	A	NAIL FIN SECTIONS
5	A	THROUGH FRAME SECTIONS
6	A	MULLIONS, MEETING RAIL & GLAZING DETAILS

ATR®U®M

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

5700/105/8050/3050/5/900/1050

SINGLE HUNG WINDOW

INSTALLATION

AND 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

BD

BUILDING DROPS

REMARKS	BY	DATE
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-CURRENT FBC	LMH	09.05.25

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.10.27 14:01:29 -04'00'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

FLORIDA RES. NO. 73778

BUILDING DROPS, INC.

1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL20100

DATE:

10.03.17

DWG. BY:

AR/AG

CHK. BY:

HFN

SCALE:

NTS

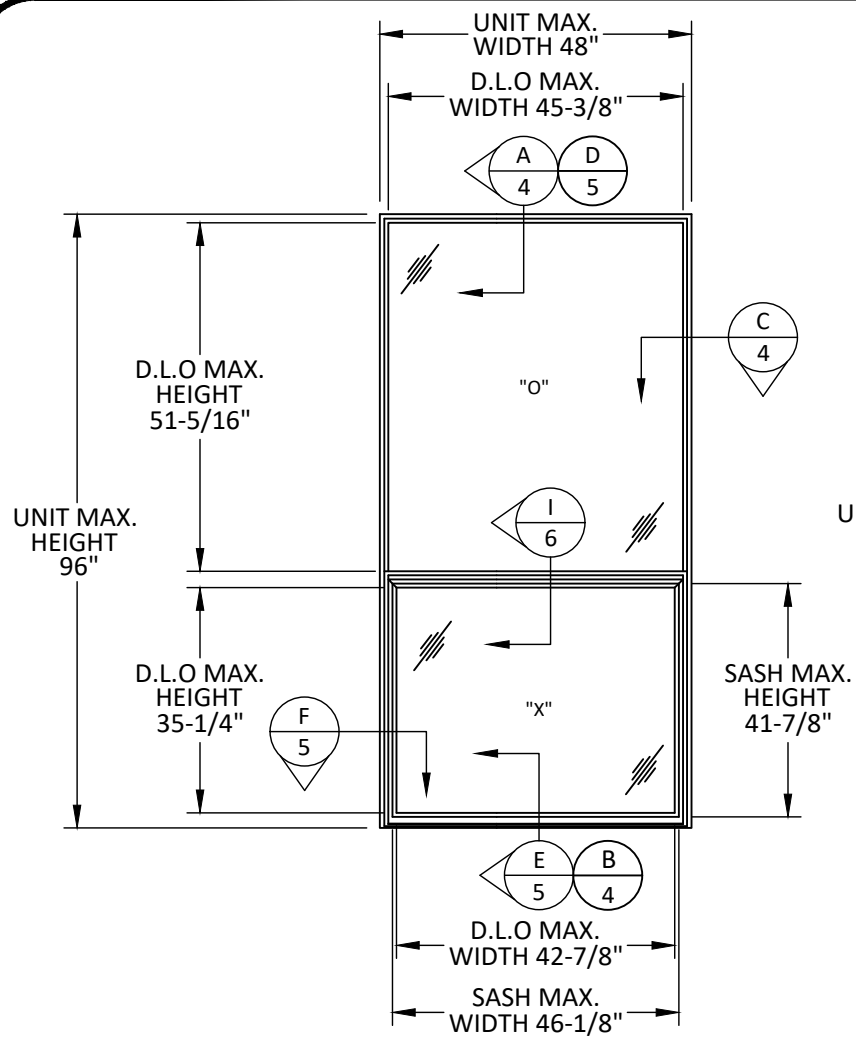
DWG. #:

ATR114

SECTION:

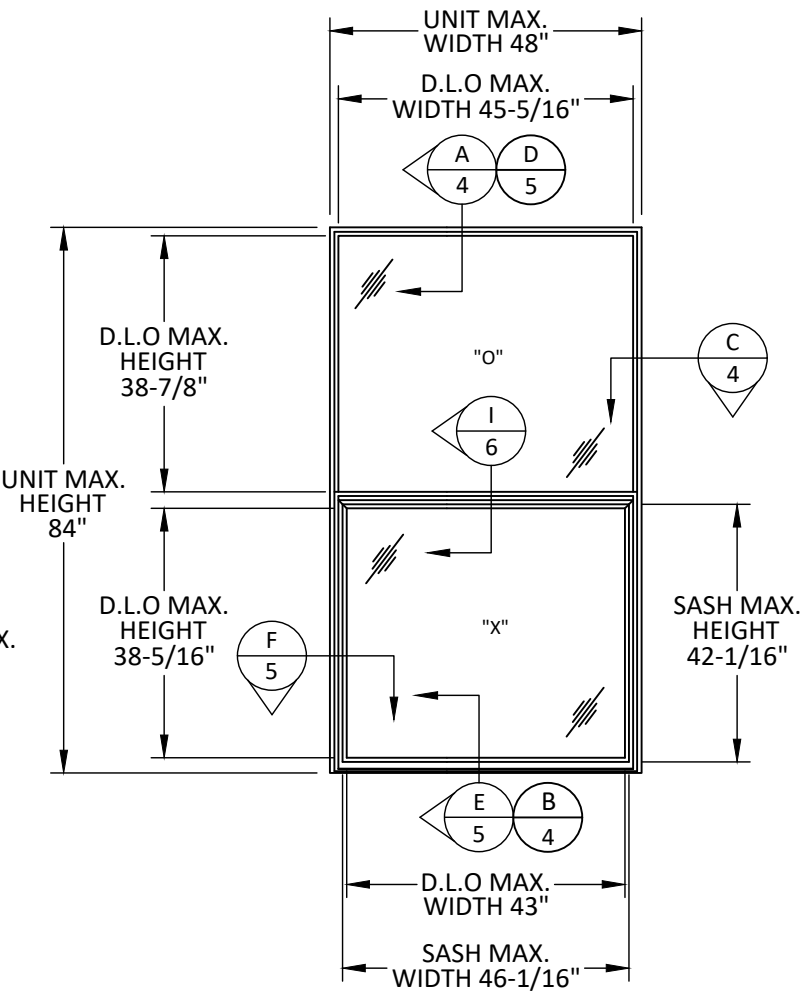
1

OF 6



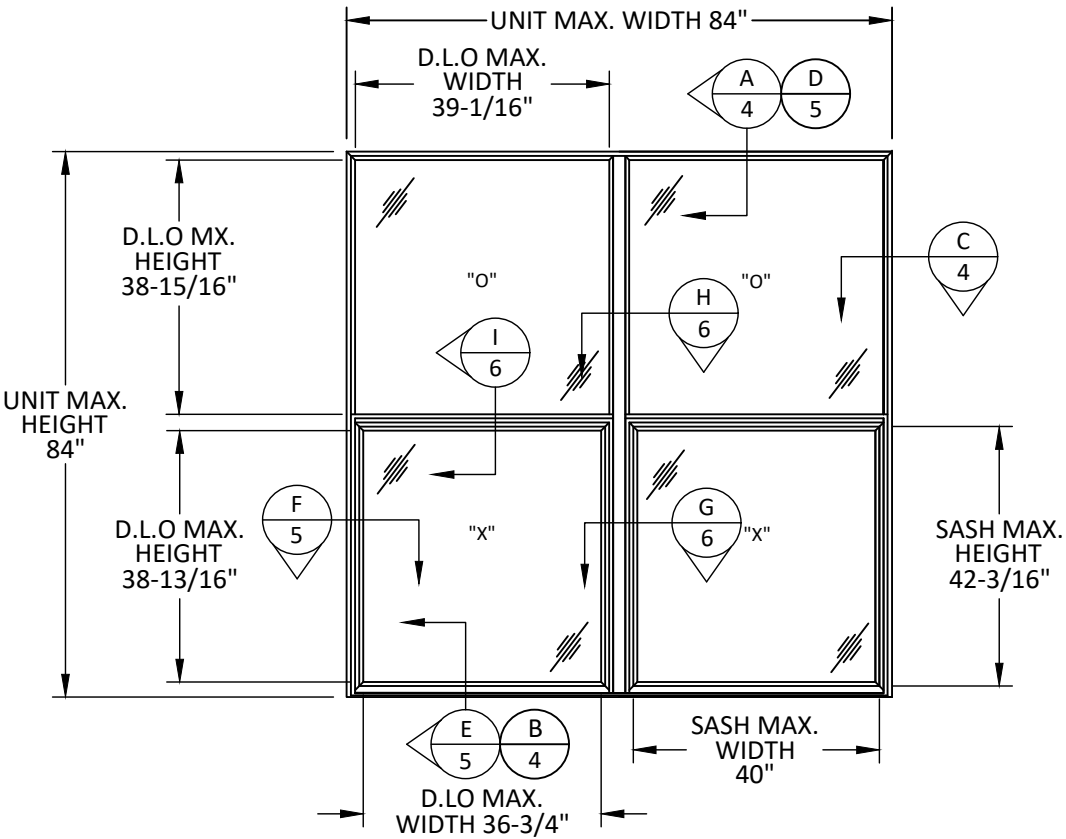
TYPICAL ELEVATION

SINGLE HUNG (ORIEL)



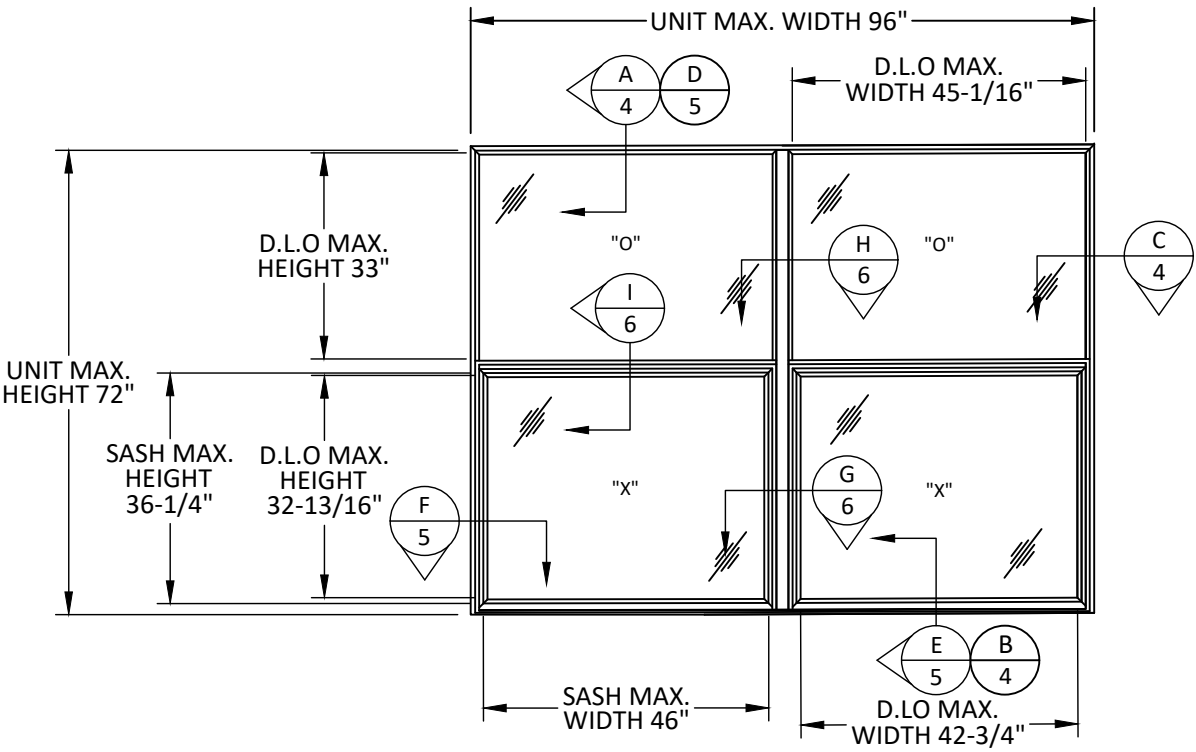
TYPICAL ELEVATION

SINGLE HUNG (EQUAL LITE)

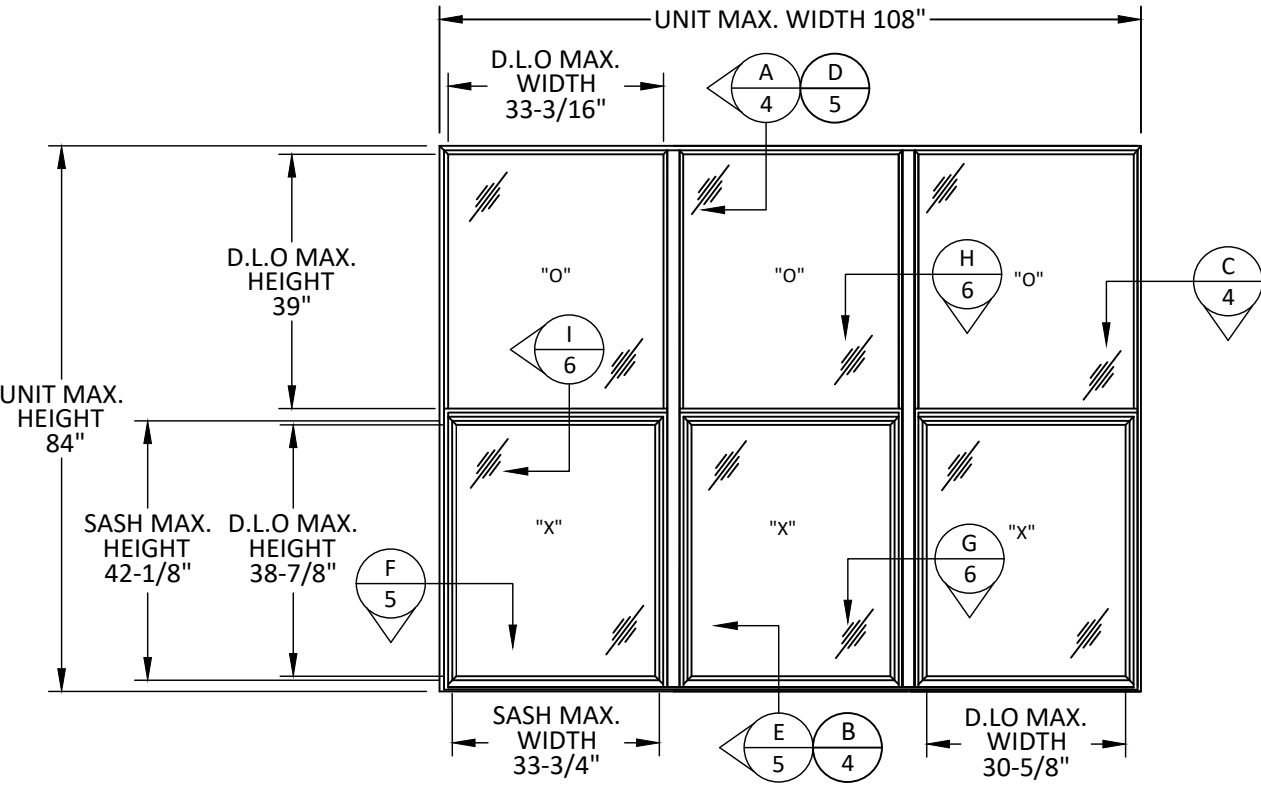


TYPICAL ELEVATION

TWIN SINGLE HUNG (EQUAL LITE)



TYPICAL ELEVATION



TYPICAL ELEVATION



Part of the Cornerstone Building Brands Family

ATRIUM WINDOWS AND DOORS

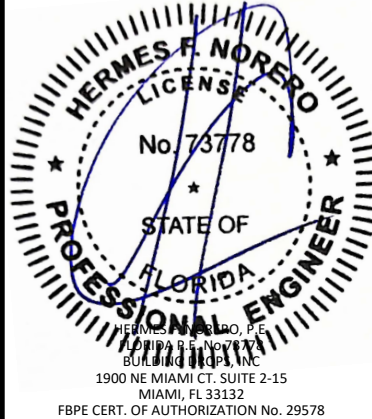
300 Welcome Center Blvd
Welcome, NC 27374
PH: (800)-542-9118

SERIES
5700/105/8050/3050/5900/1050
SINGLE HUNG WINDOW
ELEVATIONS

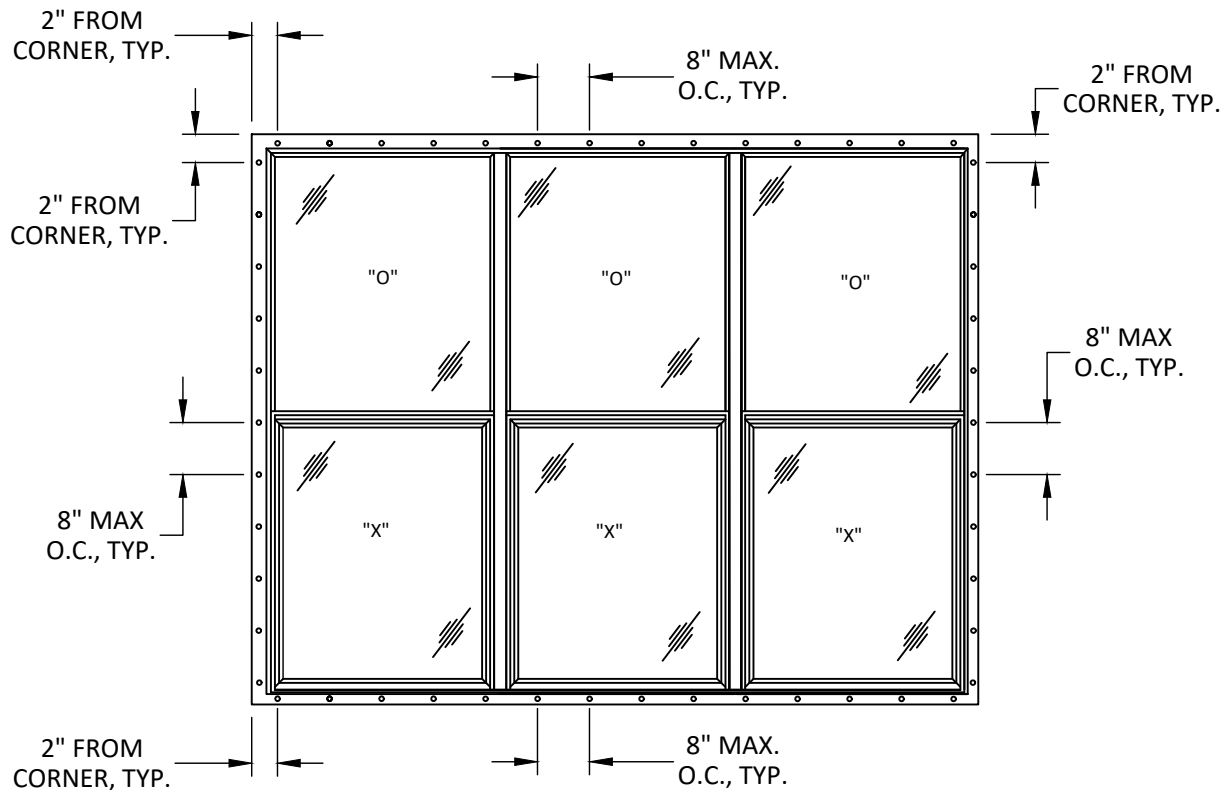
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-CURRENT FBC	LMH	09.05.25

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

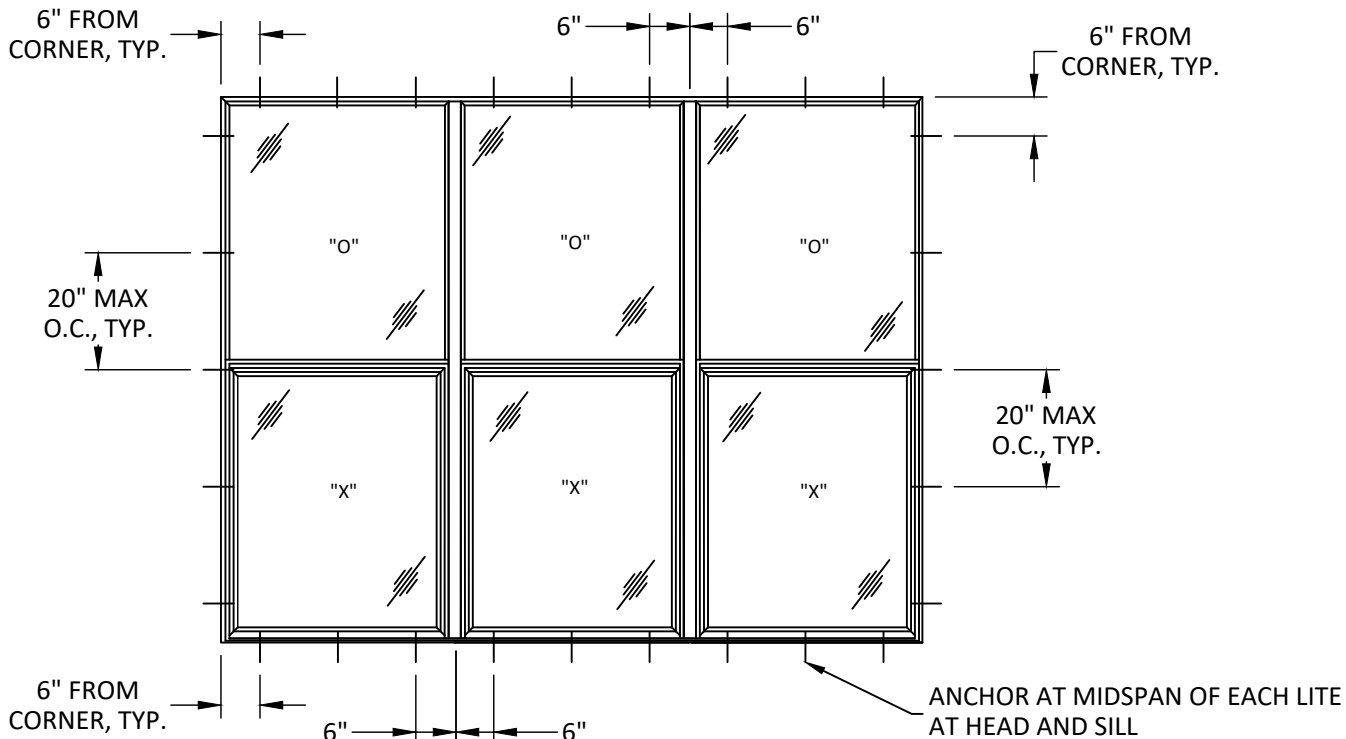


FL #:	FL20100
DATE:	10.03.17
DWG. BY:	AR/AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR114
SECTION:	



TYPICAL ANCHOR LAYOUT

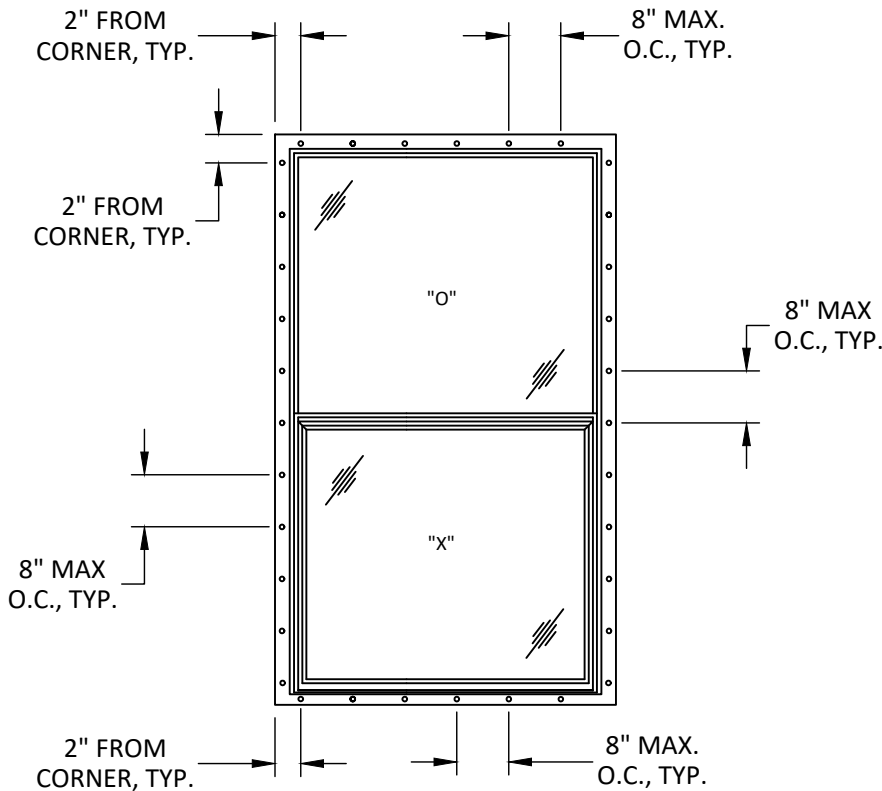
NAIL FIN



TYPICAL ANCHOR LAYOUT

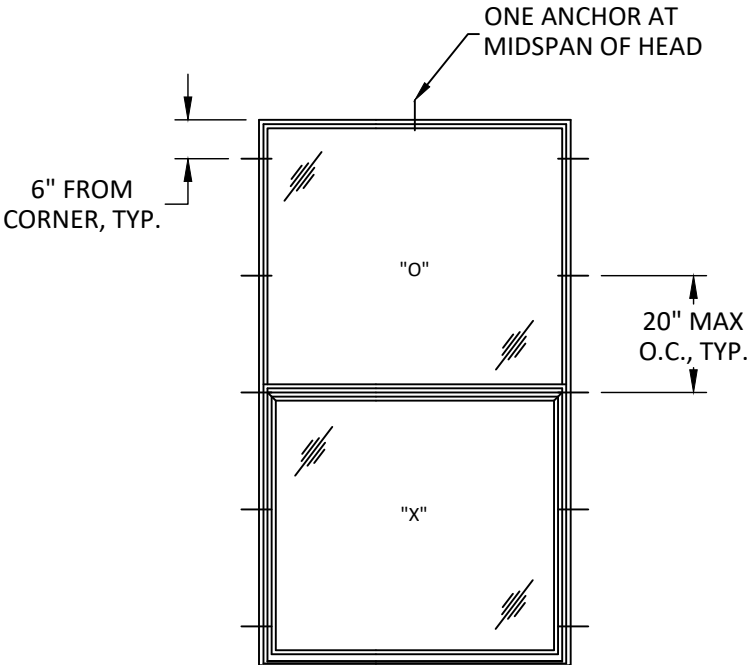
THROUGH FRAME

NOTE:
ANCHOR LAYOUTS SHOWN ABOVE
FOR TRIPLE UNITS SHALL APPLY TO
TWIN UNITS



TYPICAL ANCHOR LAYOUT

NAIL FIN



TYPICAL ANCHOR LAYOUT

THROUGH FRAME

NOTE:
NO ANCHORS REQUIRED AT SILL
FOR INDIVIDUAL SINGLE HUNG
WINDOWS



Part of the Cornerstone Building Brands Family
ATRIUM WINDOWS AND DOORS
300 Welcome Center Blvd
Welcome, NC 27374
PH: (800)-542-9118

TITLE: **SERIES**
5700/105/8050/3050/5900/1050
SINGLE HUNG WINDOW

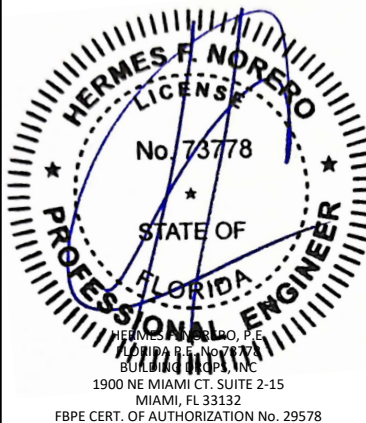
ANCHOR LAYOUTS

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
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-CURRENT FBC	LMH	09.05.25

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.



FL #:	FL20100
DATE:	10.03.17
DWG. BY:	AR/AG
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ATR114
SECTION:	3

TITLE: **SERIES**
5700/105/8050/3050/5900/1050
SINGLE HUNG WINDOW

NAIL FIN SECTIONS

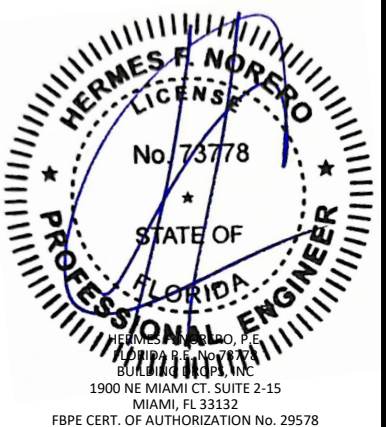
PREPARED BY: **BUILDING DROPS, INC.**

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



REMARKS	BY	DATE
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-CURRENT FBC	LMH	09.05.25

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.



FL #: **FL20100**

DATE: **10.03.17**

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

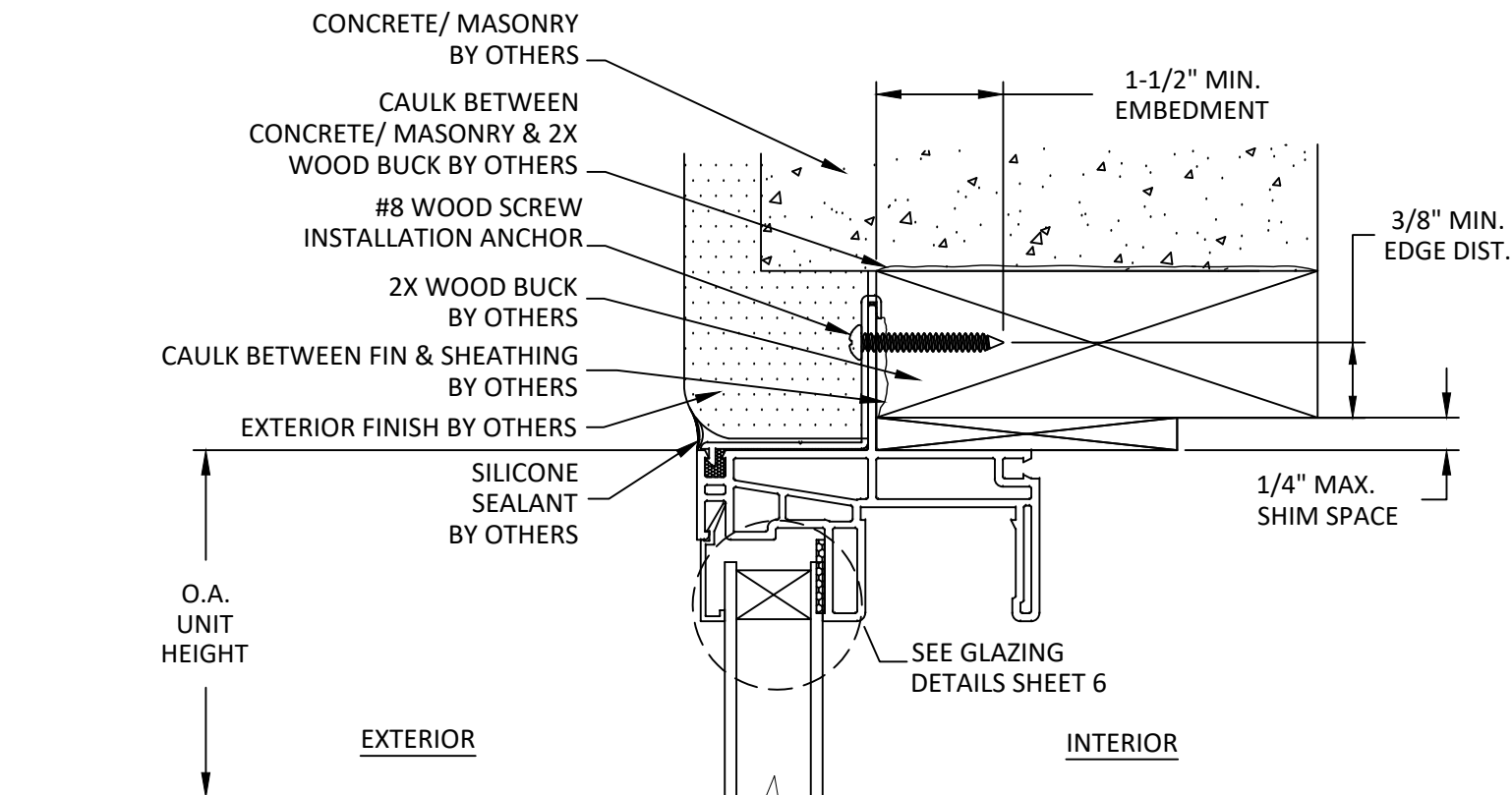
SCALE: **NTS**

DWG. #: **ATR114**

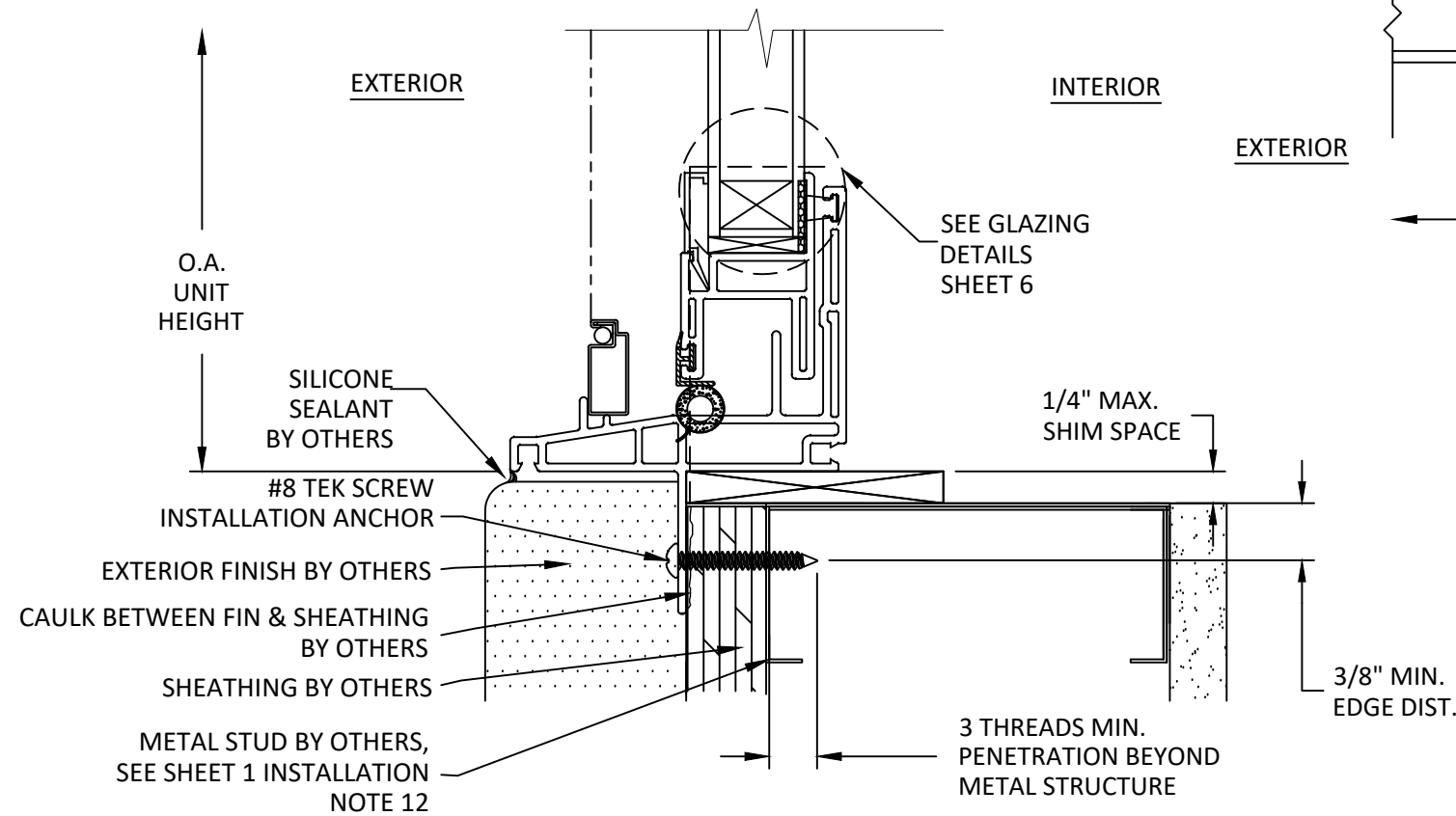
SECTION:

4

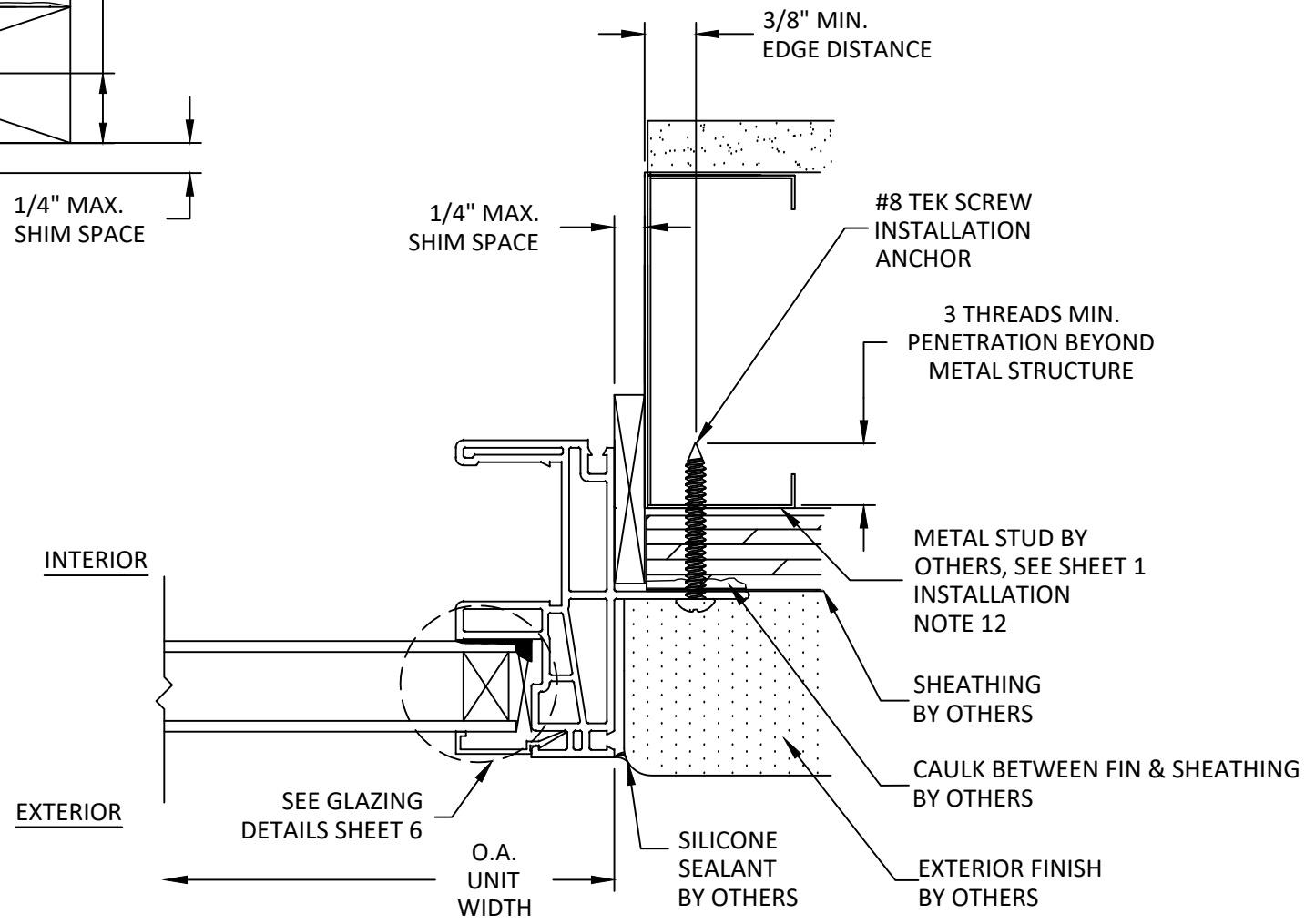
OF 6



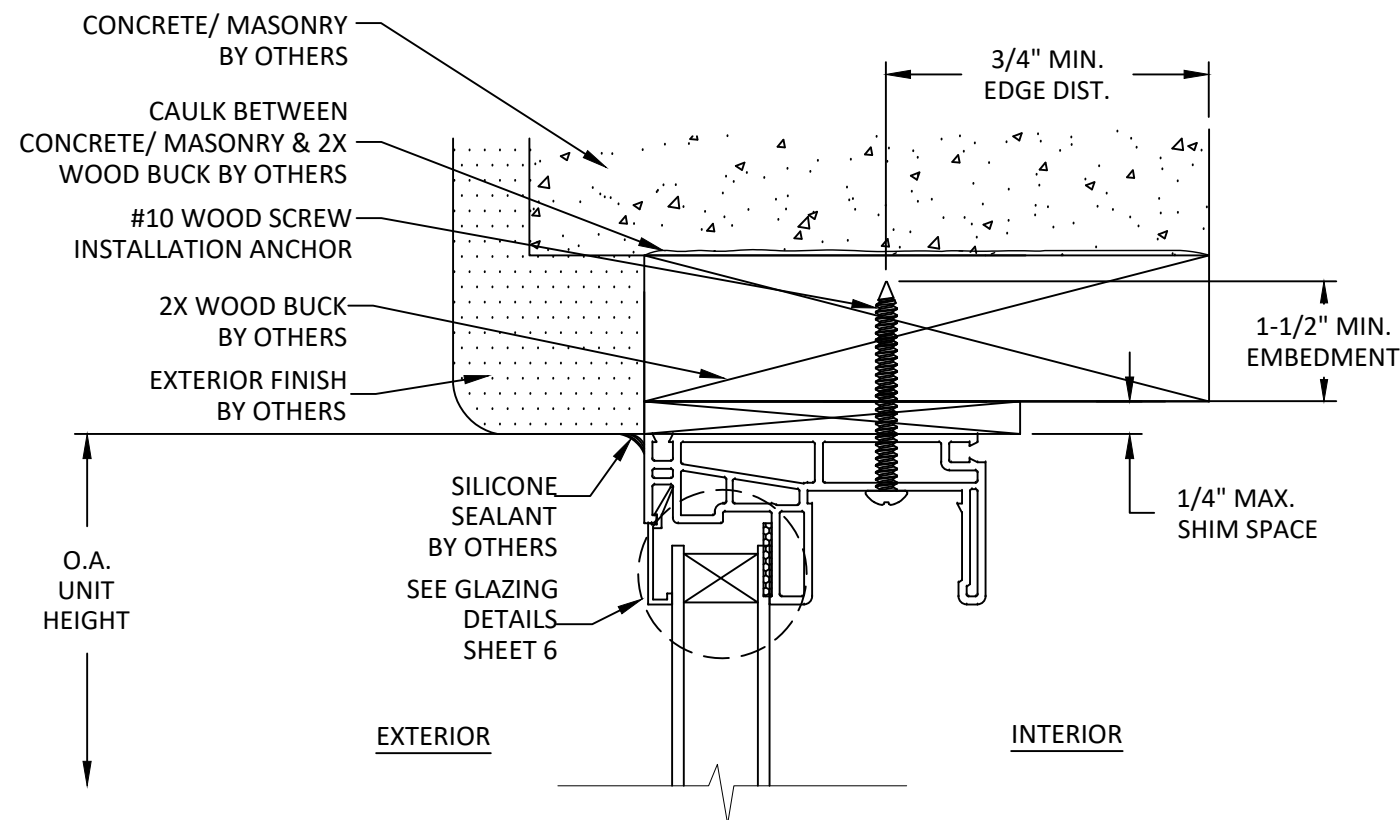
A
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN



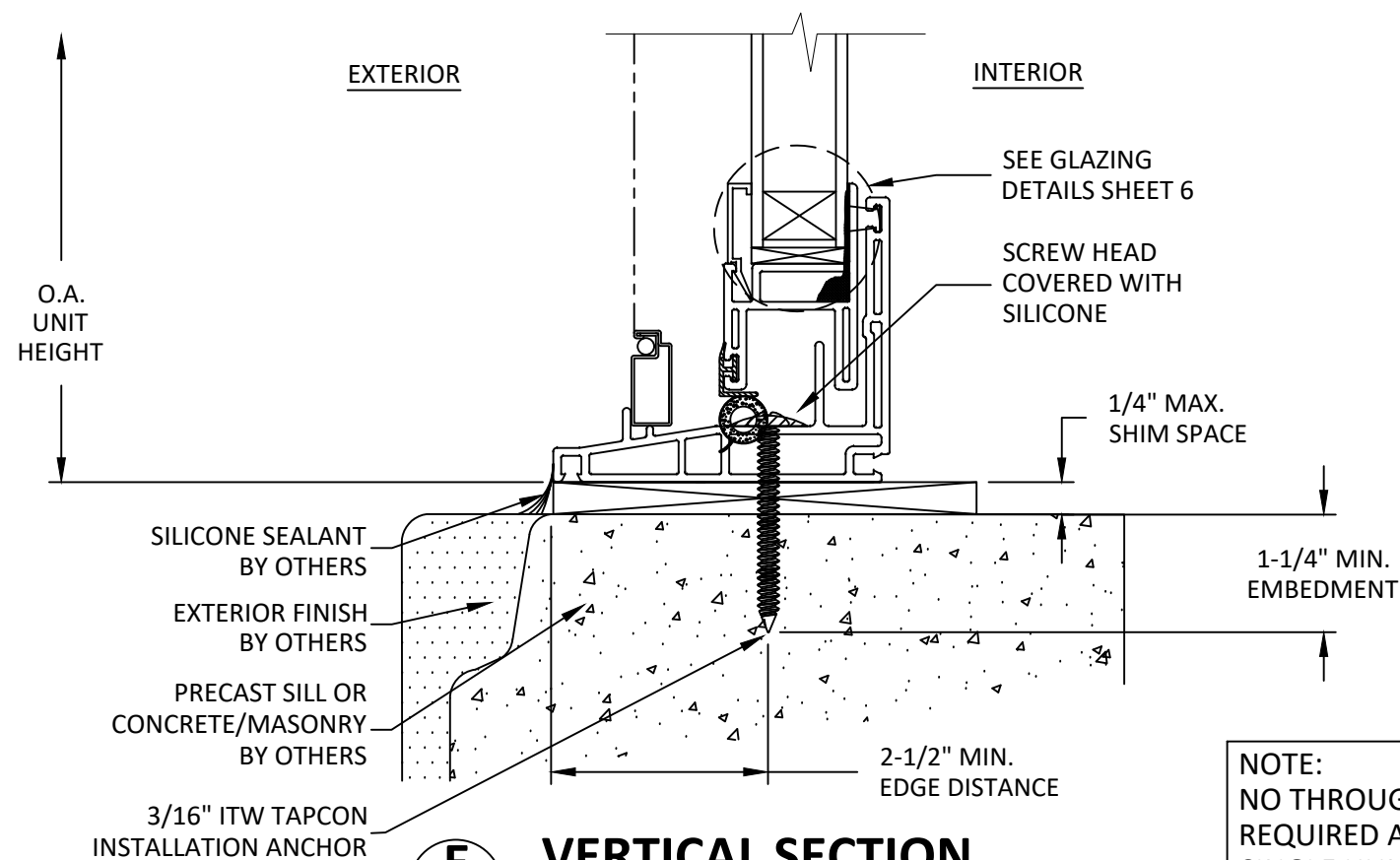
B
4 **VERTICAL SECTION**
SILL - METAL STUD
NAIL FIN



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

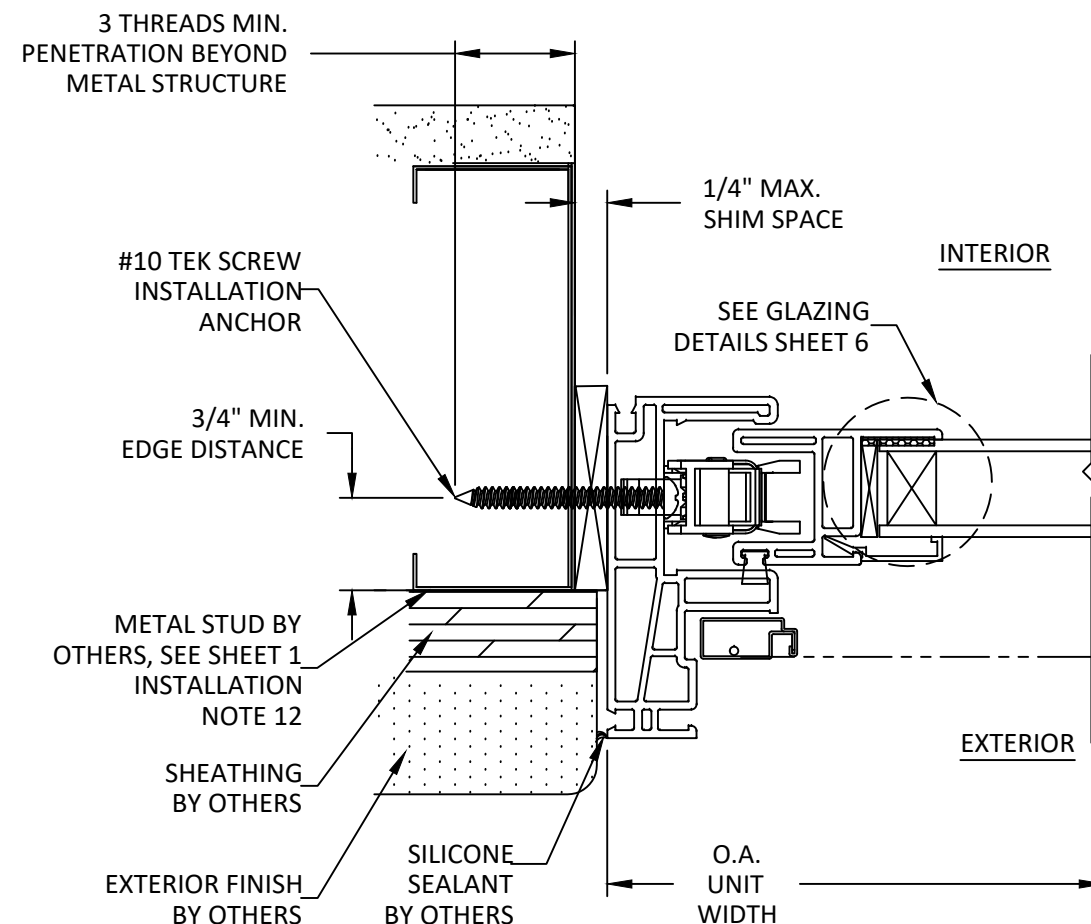


D 5
VERTICAL SECTION
HEAD - 2X WOOD BUCK
THROUGH FRAME



E 5
VERTICAL SECTION
SILL - CONCRETE/MASONRY
THROUGH FRAME

NOTE:
NO THROUGH FRAME ANCHORS
REQUIRED AT SILL FOR INDIVIDUAL
SINGLE HUNG WINDOWS



F 5
HORIZONTAL SECTION
JAMB - METAL STUD
THROUGH FRAME

TITLE: SERIES
5700/105/8050/3050/5900/1050
SINGLE HUNG WINDOW

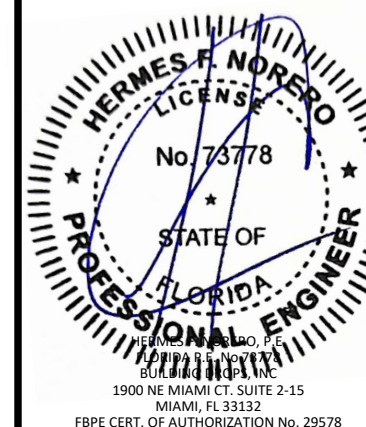
THROUGH FRAME SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)398-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-CURRENT FBC	LMH	09.05.25

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.



FL #:

FL20100

DATE: **10.03.17**

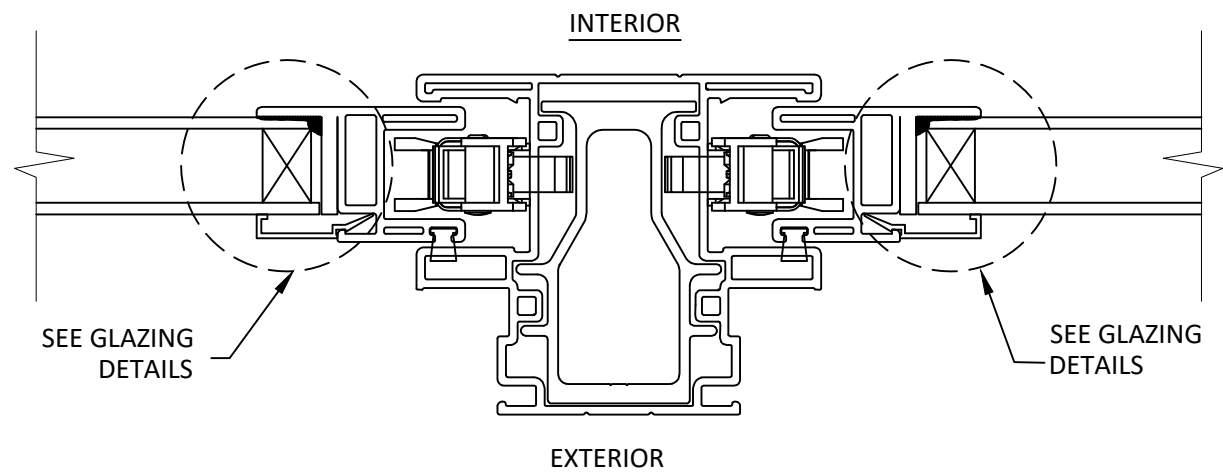
DWG. BY: **AR/AG** CHK. BY: **HFN**

SCALE: **NTS**

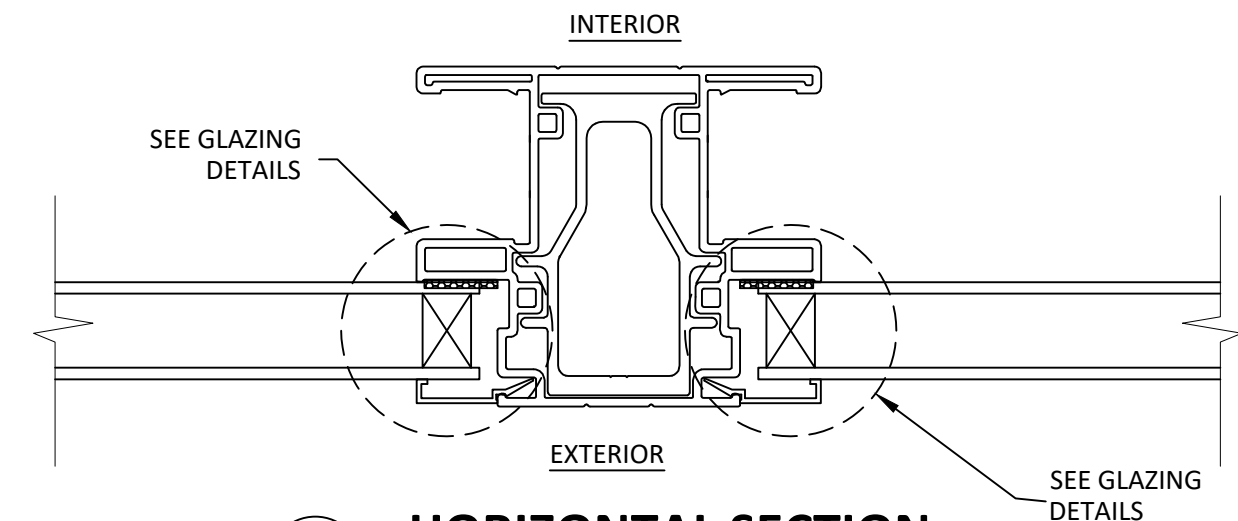
DWG. #: **ATR114**

SECTION:

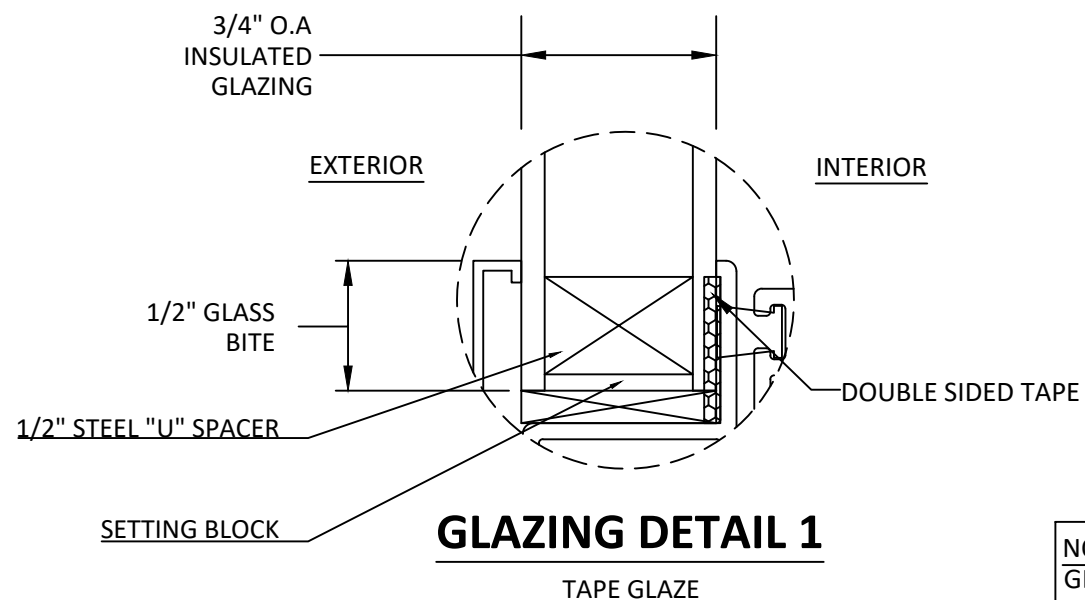
5



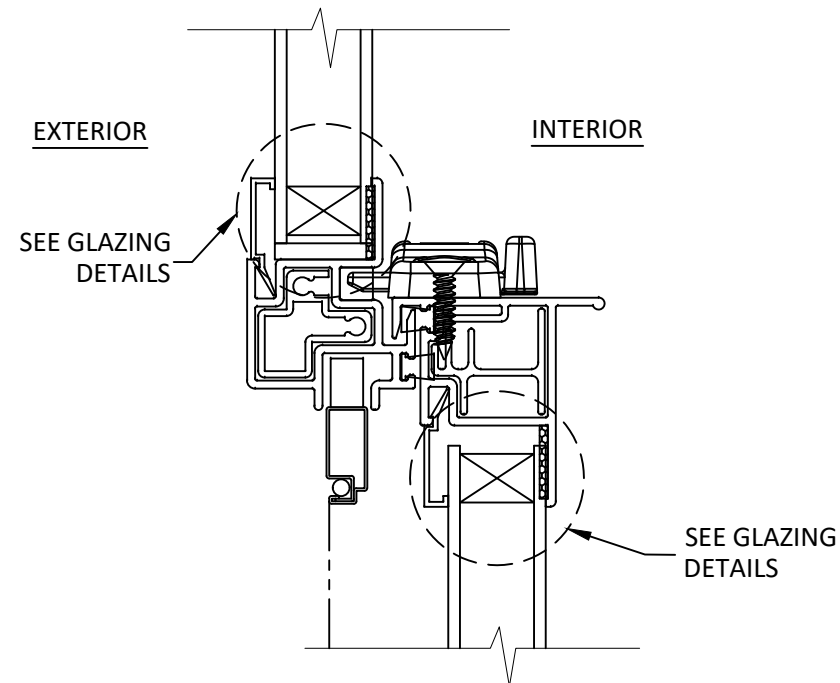
G6 **HORIZONTAL SECTION**
VERTICAL MULLION AT SASH



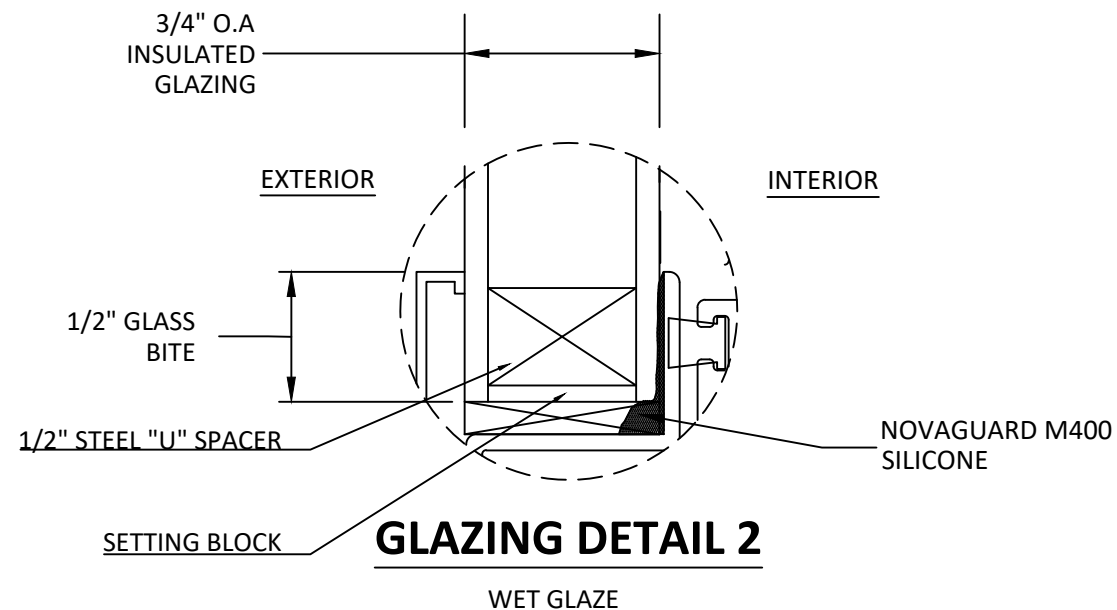
H6 **HORIZONTAL SECTION**
VERTICAL MULLION AT FIXED LITE



NOTE:
GLASS THICKNESS AND TYPE SHALL
COMPLY WITH ASTM E 1300 .



I6 **VERTICAL SECTION**
MEETING RAIL



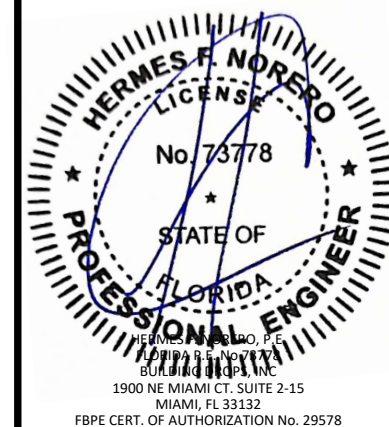
TITLE: SERIES
5700/105/8050/3050/5900/1050
SINGLE HUNG WINDOW
MULLIONS
MEETING RAIL & GLZ DETAILS

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



REMARKS	BY	DATE
A-FBC 2017 CODE CHANGE	AG	10.03.17
B-CURRENT FBC	LMH	09.05.25

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.



FL #:	FL20100
DATE:	10.03.17
DWG. BY:	CHK. BY:
AR/AG	HFN
SCALE:	NTS
DWG. #:	ATR114
SECTION:	

6