**INSTALLATION NOTES:** 

- 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  $\pm 1/2$ 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.
- 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.
- FOR NAIL FIN INTO WOOD BUCK: USE #8 WOOD SCREWS THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR NAIL FIN INTO STEEL STUD: USE #8 TEK SCREWS GRADE 5 THROUGH THE FIN OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- 7. FOR THRU FRAME INTO WOOD BUCK: USE #10 WOOD SCREWS THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR THRU FRAME INTO CONCRETE/MASONRY: 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.
- 10. FOR THRU FRAME INTO STEEL STUD: USE #10 TEK SCREWS GRADE 5 THROUGH THE FRAME OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
- 11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- 12. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 13. 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.
- 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.
- 15. 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 20 GA. WALL THICKNESS.

# **ATRIUM CORPORATION**

SERIES 700/720/750/760 CASEMENT WINDOW, X, XX,XOX & XOOX (NON-IMPACT)

#### **GENERAL NOTES:**

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE AND THE 2018 INTERNATIONAL RESIDENTIAL CODE AND HAS BEEN **EVALUATED ACCORDING TO THE FOLLOWING:** 
  - AAMA/WDMA/CSA101/I.S.2/A440-17
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 6. WINDOW FRAME MATERIAL: PVC
- GLASS SHALL MEET THE REQUIREMENTS OF ASTM E 1300. SEE SHEET 5 FOR GLAZING DETAIL.
- 8. PRODUCT MAY BE MULLED USING AN APPROVED MULLION.

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SHEET	REV.	SHEET DESCRIPTION			
1	Α	GENERAL & INSTALLATION NOTES			
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3	Α	XX ELEVATION & ANCHOR LAYOUTS			
4	Α	XOX ELEVATION & ANCHOR LAYOUTS			
5	Α	XOOX ELEVATION & ANCHOR LAYOUTS			
6	6 A VERTICAL SECTIONS & GLAZING DET 7 A HORIZONTAL SECTIONS				
7					
8	Α	HORIZONTAL SECTIONS			

OVERALL SIZE					
WIDTH	_	CERTIFIED CONFIGURATION	QUALIFIED QUANFIGURATIONS	DESIGN PRESSURE	IMPACT RATING
120"	72"	хоох	XOX, XO & OX	+/- 35 PSF	NI
90"	72"	хох	XO & OX	+/- 35 PSF	NI
72"	72"	XX	XX	+/- 50 PSF	NI
36"	72"	Х	Х	+/- 50 PSF	NI

#### NOTE:

- 1. THE VENT WIDTH OF THE QUALIFIED CONFIGURATIONS SHOULD BE EQUAL TO OR LESS THAN THE VENT WIDTH OF THE CERTIFIED CONFIGURATION.
- 2. CONFIGURATIONS ARE HINGED OF THE JAMB.

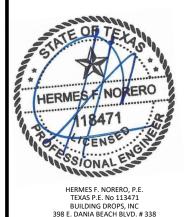


ATRIUM CORPORATION 9001 AMBASSADOR ROW DALLAS, TX 75247 PH: (214) 637-2696 FAX: (214) 424-6734

UILDING DR( 398 E. DANIA BEACH BI DANIA BEACH, FI PH: (954)399-8 FAX: (954)744.

**REMARKS** BY DATE SM 07/14 TESTING UPDATE CODE CHANGE YC 07/20

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



DATE: 07.20.2020

DANIA BEACH, FL 33004 TBPE CERT. OF AUTHORIZATION NO. 13734

DWG. BY: SM

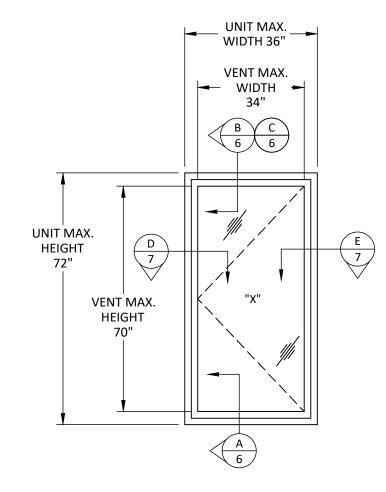
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SCALE: DWG. #:

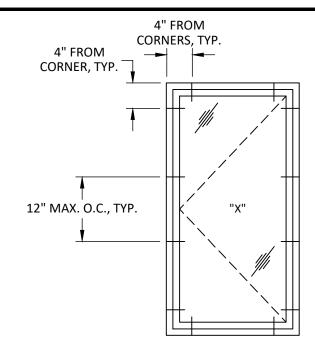
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SECTION:



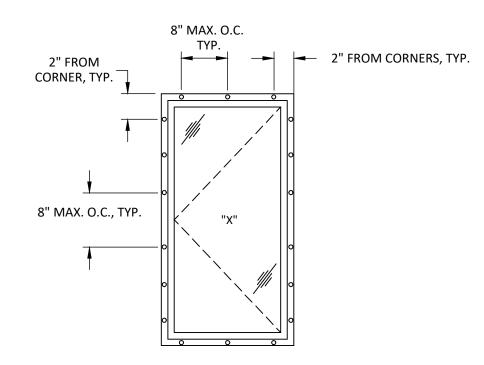


#### **TYPICAL ELEVATION** X UNIT



## **ANCHOR LAYOUT**

X UNIT- THROUGH FRAME



### **ANCHOR LAYOUT**

X UNIT- NAILING FIN



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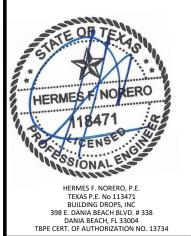
BUILDING DROPS, I
398 E. DANIA BEACH BLVD., STE.
DANIA BEACH, FL 33004
PH. (954)349-8478
FAX: (954)744-4738
FAX: (954)744-478

SERIES 700/720/750/76 CASEMENT WINDOW X,XX,XOX,XOOX

REMARKS

BY DATE SM 07/14 TESTING UPDATE YC 07/20 CODE CHANGE

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DATE: 07.20.2020

DWG. BY: SCALE:

CHK. BY: NTS

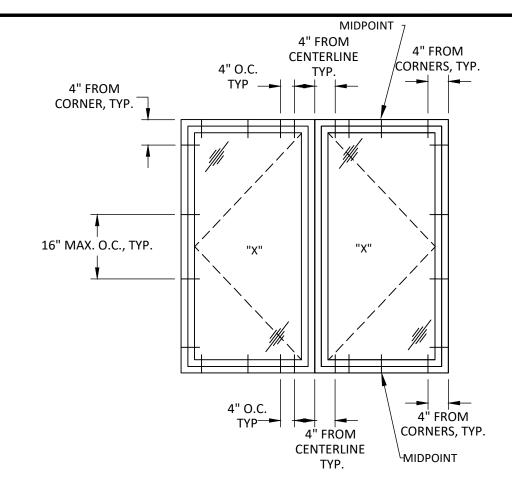
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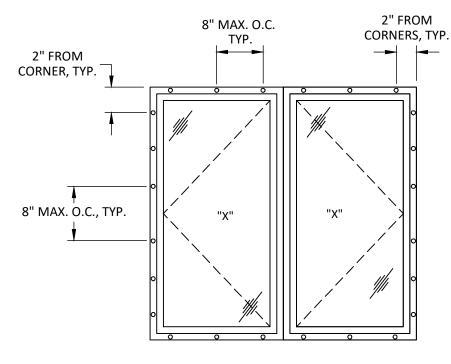
2

#### **TYPICAL ELEVATION** XX UNIT



#### **ANCHOR LAYOUT**

XX UNIT - THROUGH FRAME



**ANCHOR LAYOUT** 

XX UNIT - NAILING FIN



ATRIUM CORPORATION 9001 AMBASSADOR ROW DALLAS, TX 75247 PH: (214) 637-2696 FAX: (214) 424-6734

BUILDING DROPS, II
398 E. DANIA BEACH BLVD., STE.:
DANIA BEACH, FL 33004
PH. (954)339-8478
FAX: (954)444-478
FAX: (954)444-6008

SERIES 700/720/750/76C CASEMENT WINDOW X,XX,XOX,XOOX XX ELEVATION AND ANCHOR LAYOUTS

REMARKS SM 07/14 **TESTING UPDATE** YC 07/20 CODE CHANGE

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HERMES F. NORERO, P.E. TEXAS P.E. No 113471 BUILDING DROPS, INC 398 E. DANIA BEACH BLVD. # 338 DANIA BEACH, FL 33004 TBPE CERT. OF AUTHORIZATION NO. 13734

DATE: 07.20.2020

DWG. BY: SM

SCALE:

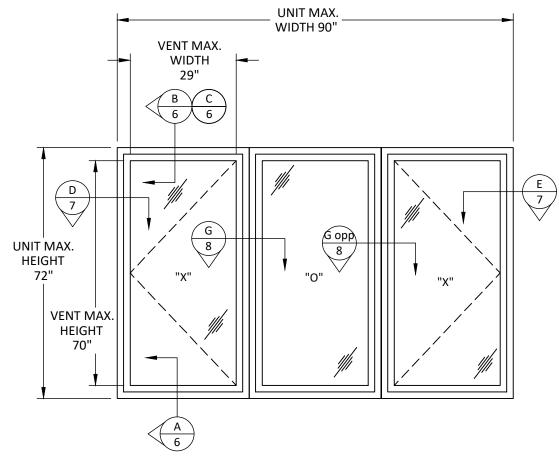
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**ATR125** 

SECTION:





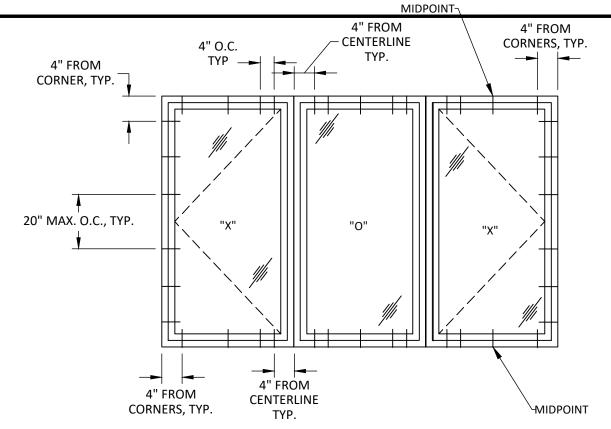
### **TYPICAL ELEVATION**

XOX UNIT QUALIFIED CONFIGURATIONS - XO & OX

#### NOTE:

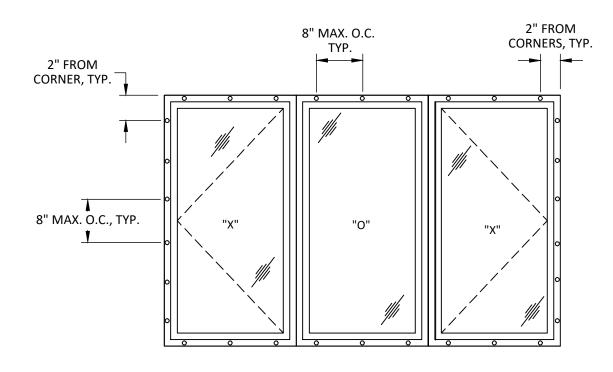
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2. CONFIGURATIONS ARE HINGED OF THE JAMB.



#### **ANCHOR LAYOUT**

XOX UNIT- THROUGH FRAME



### **ANCHOR LAYOUT**

XOX UNIT- NAILING FIN



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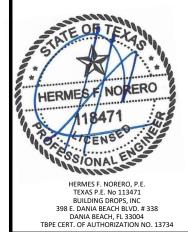
SERIES 700/720/750/7 CASEMENT WINDOW X,XX,XOX,XOOX XOX ELEVATION AND ANCHOR LAYOUTS

BUILDING DROPS, I 398 E. DANIA BEACH BLVD., STE. DANIA BEACH, FL33004 PH: (954)399-8478 FAX: (954)744-4738

BY DATE TESTING UPDATE CODE CHANGE YC 07/20

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**REMARKS** 



DATE: 07.20.2020

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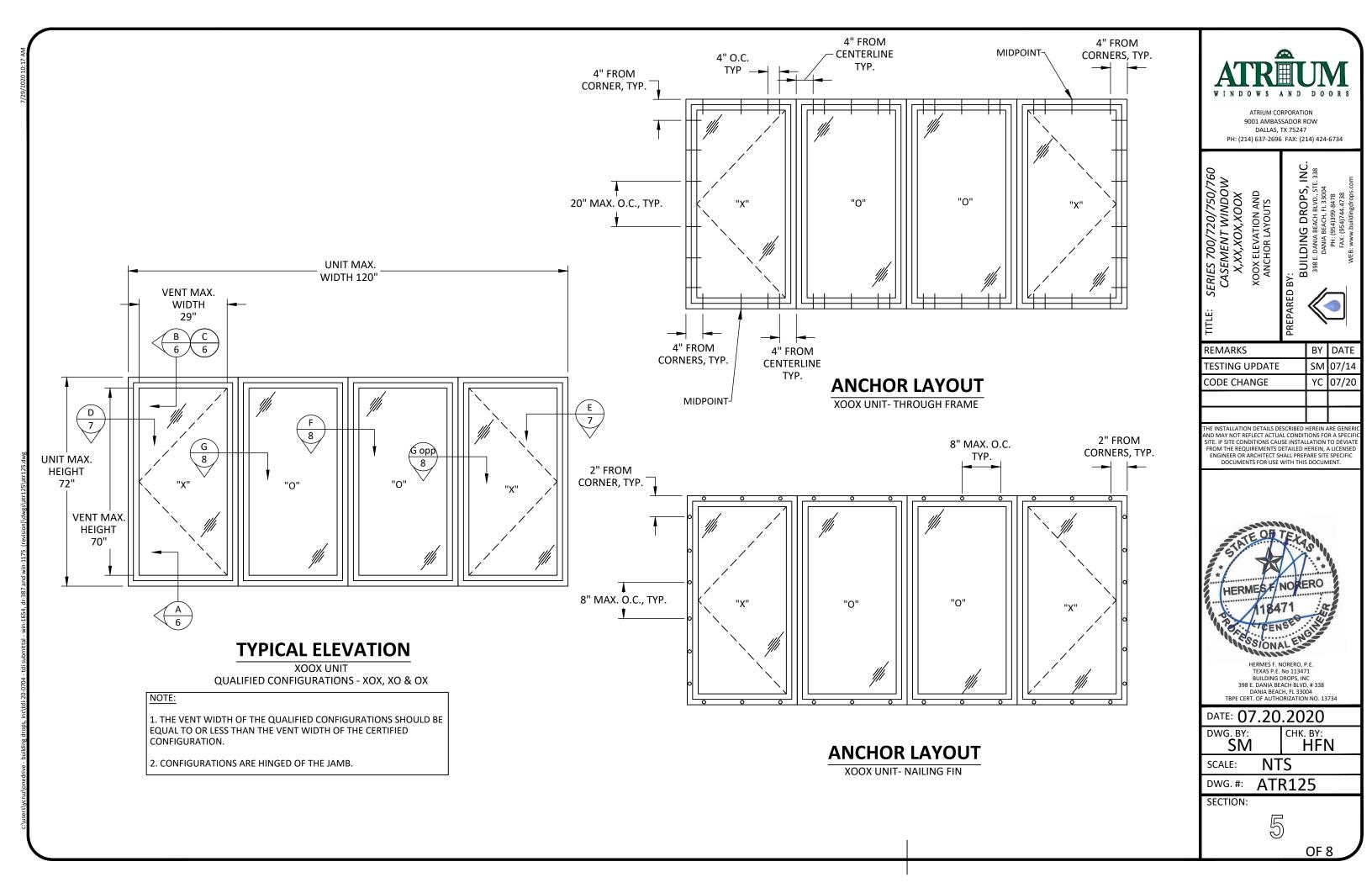
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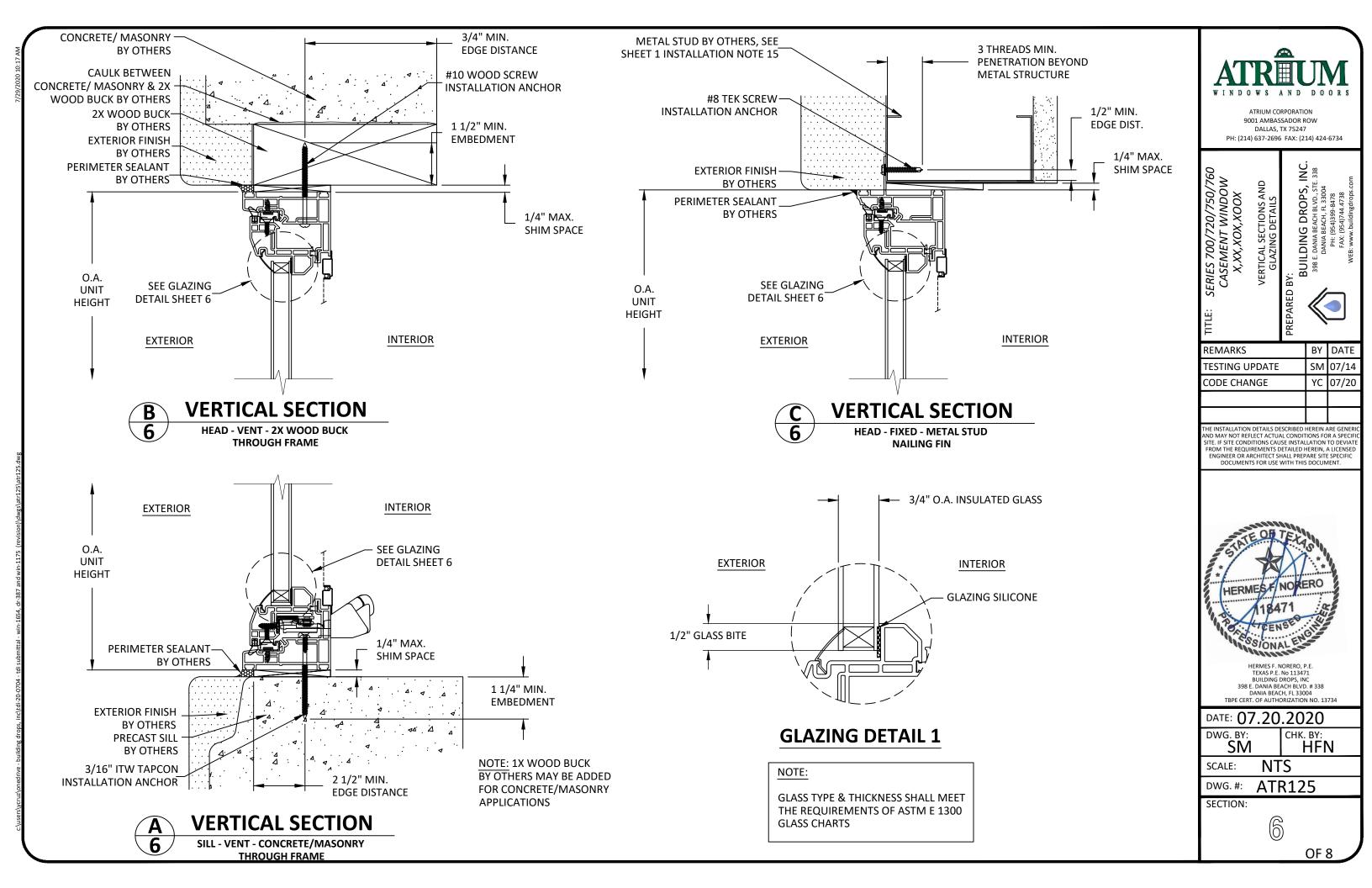
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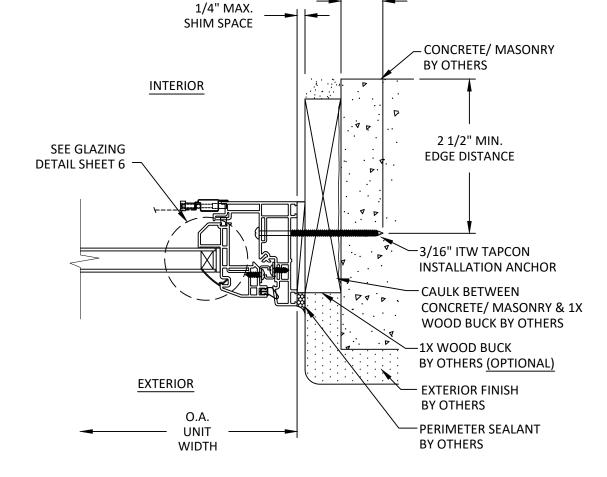
ATR125

SECTION:









1 1/4" MIN.

**EMBEDMENT** 



UNIT

WIDTH





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REMARKS

**CODE CHANGE** 

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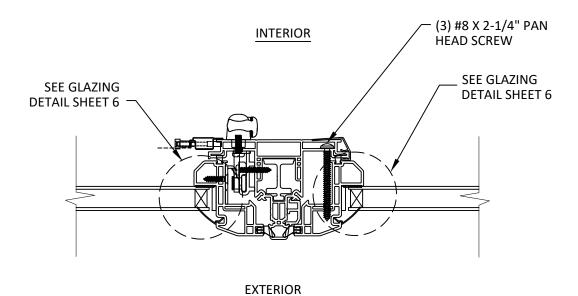
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SECTION:





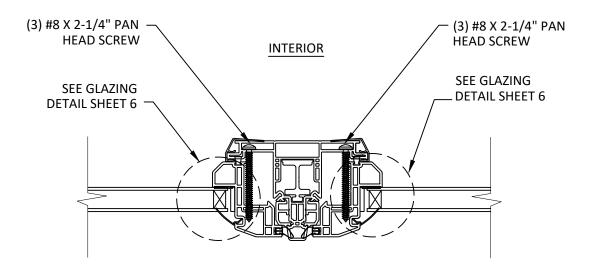
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<u>G</u> 8



**EXTERIOR** 



**EXTERIOR** 





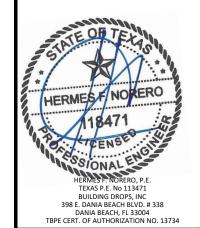
ATRIUM CORPORATION 9001 AMBASSADOR ROW DALLAS, TX 75247 PH: (214) 637-2696 FAX: (214) 424-6734

BUILDING DROPS, I 398 E. DANIA BEACH BLVD., STE. DANIA BEACH, E. 33004 PH: (954)399-8478 FAX: (954)744.4738 HORIZONTAL SECTIONS

SERIES 700/720/750/7 CASEMENT WINDON X,XX,XOX,XOOX

**REMARKS TESTING UPDATE** SM 07/14 **CODE CHANGE** YC 07/20

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DATE: 07.20.2020 DWG. BY: CHK. BY: HFN SM NTS

SCALE:

ATR125 DWG. #:

SECTION:

