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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 1/16" (0.0625").

ATRIUM WINDOWS & DOORS

SERIES 5700/8050 SINGLE HUNG WINDOW

(NON-HVHZ) (NON-IMPACT)

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/A440-17

AAMA 450-20

ASTM E330-14
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 E1300 GLASS CHARTS. SEE SHEET 2 FOR GLAZING DETAILS.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
2	ELEVATION, ANCHOR LAYOUTS & GLAZING DETAIL
3	ELEVATION & ANCHOR LAYOUT
4	VERTICAL SECTIONS
5	HORIZONTAL SECTIONS
6	HORIZONTAL SECTIONS & DESIGN PRESSURE TABLES

TYP. OVERALL SIZE		DESIGN PRESSURE	CONFIG.	MISSILE IMPACT RATING
WIDTH	HEIGHT			
108"	84"	+/- 40 PSF	O/X-O/X-O/X	NON-IMPACT
72"	108"	+/- 45 PSF	O/XX	NON-IMPACT

NOTE: SEE SHEET 6 FOR ALTERNATE QUALIFIED SIZES

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WINDOWS AND DOORS

ATRIUM WINDOWS & DOORS

300 WELCOME CENTER
WELCOME, NC 27374

PH: (800) 542-9118 EXT. 413596

TITLE: SERIES 5700/8050
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)
INSTALLATION
AND GENERAL NOTES

PREPARED BY:

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BD

BUILDING DROPS

REMARKS	BY	DATE
FBC 2017 CODE CHANGE	AG	10.03.17
FBC 2020 CODE CHANGE	SM	09.29.20
FBC 2023 CODE CHANGE	MG	07.21.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.16 14:17:06 -04'00'

HERMES F. NORERO

LICENSE

No. 73778

STATE OF FLORIDA

PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.

FL 73778

BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004

FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL21036

DATE:

10.03.17

DWG. BY:

AR/AG

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

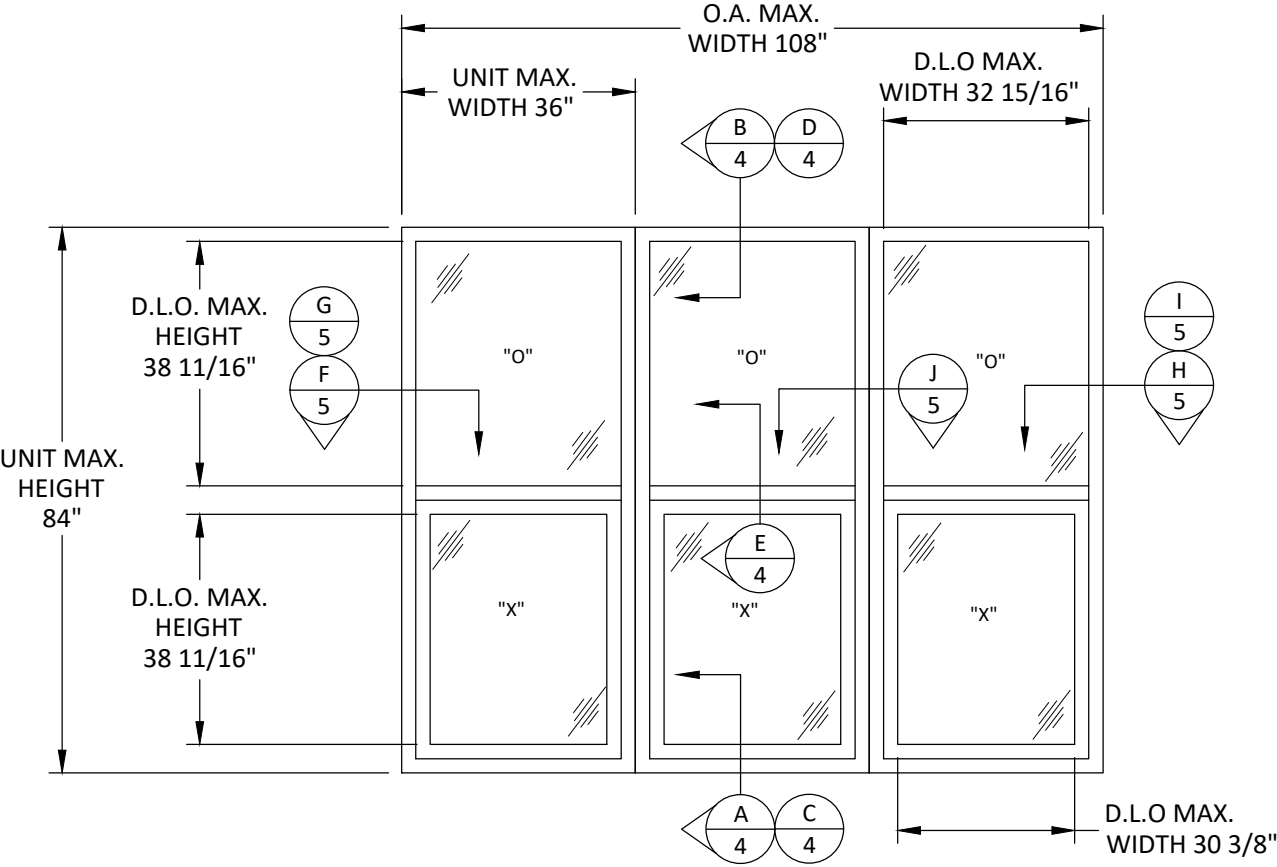
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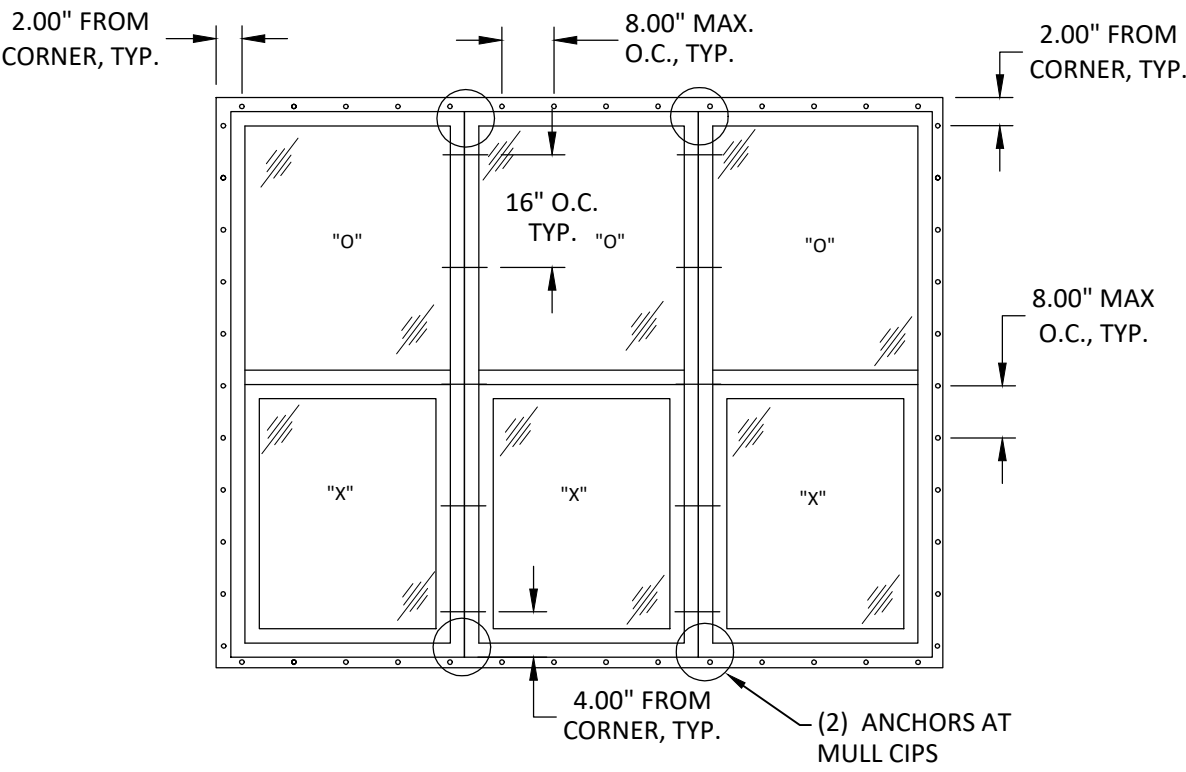
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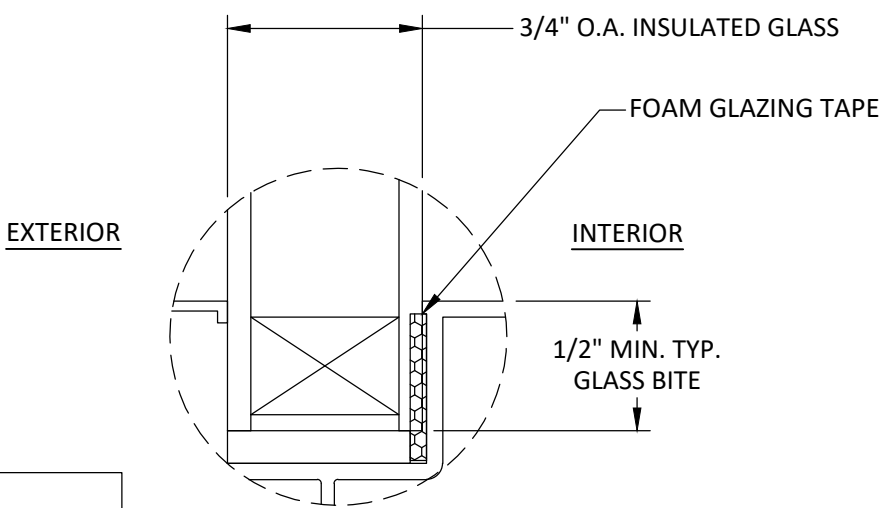
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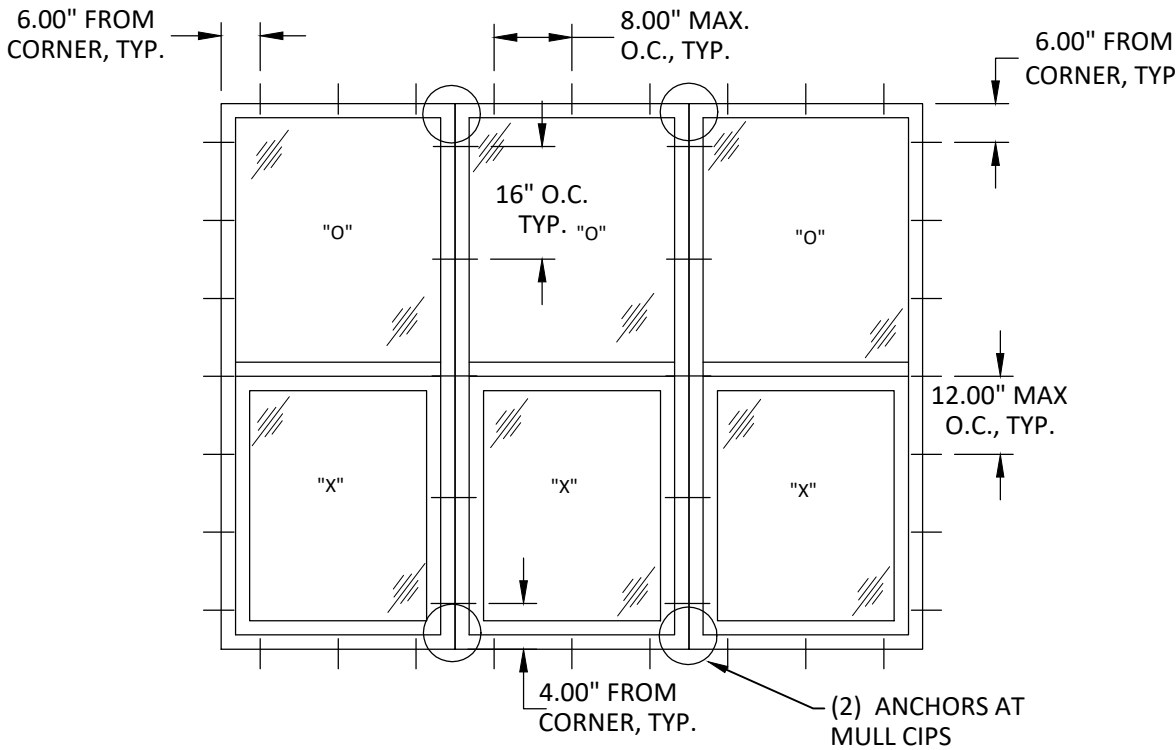
TYPICAL ELEVATION



ANCHOR LAYOUT
NAIL FIN



GLAZING DETAIL



ANCHOR LAYOUT
THROUGH FRAME

NOTE:
GLASS THICKNESS AND TYPE SHALL
COMPLY WITH ASTM E1300
REQUIREMENT GLASS CHARTS.

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300 WELCOME CENTER
WELCOME, NC 27374
PH: (800) 542-9118 EXT. 413596

TITLE: **SERIES 5700/8050**
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)
ELEVATIONS, ANCHOR LAYOUTS &
GLAZING DETAIL

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398 E. DANIA BEACH BLVD., STE. 338
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PH: (954) 399-8478
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WEB: www.buildingdrops.com

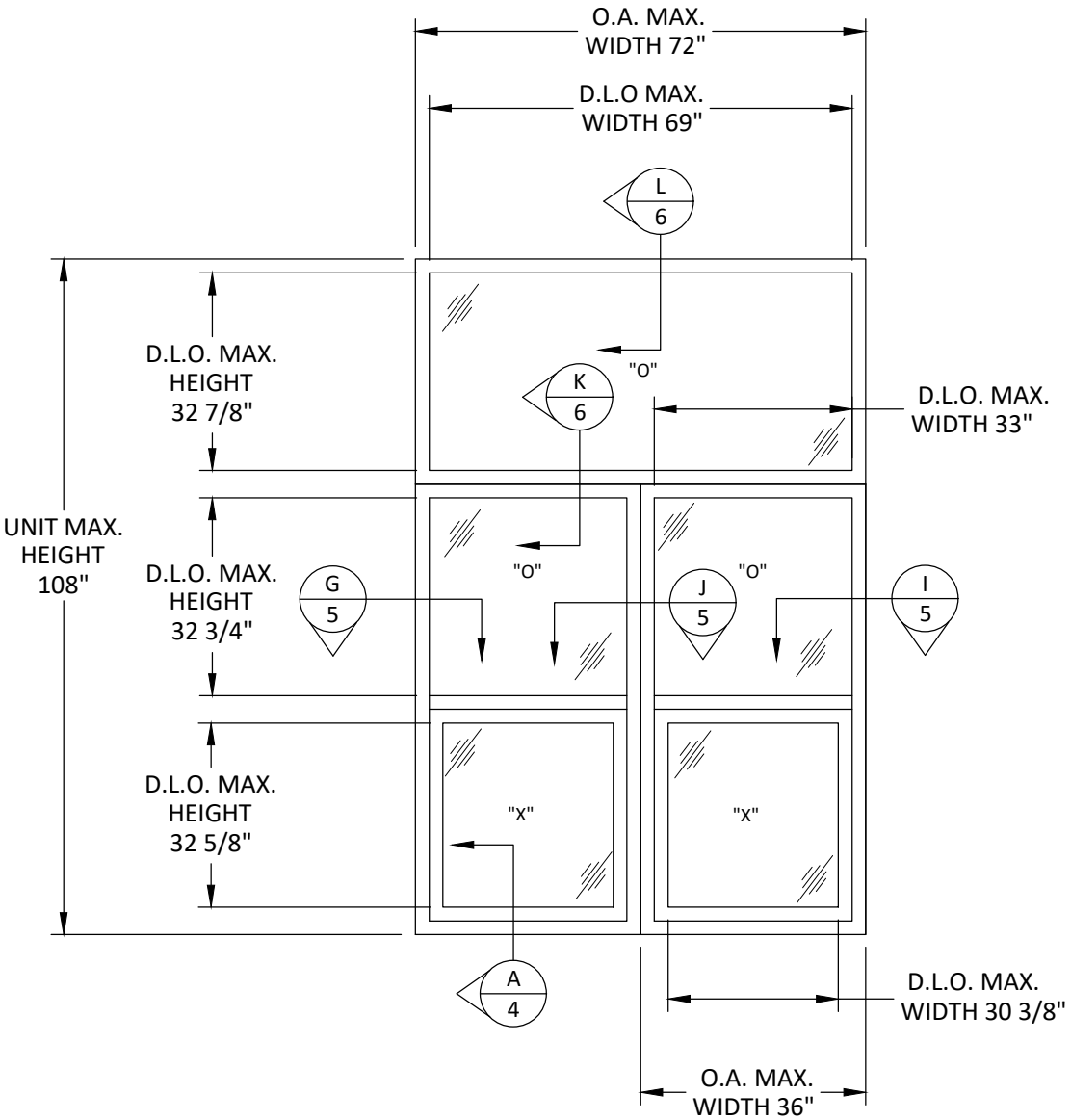
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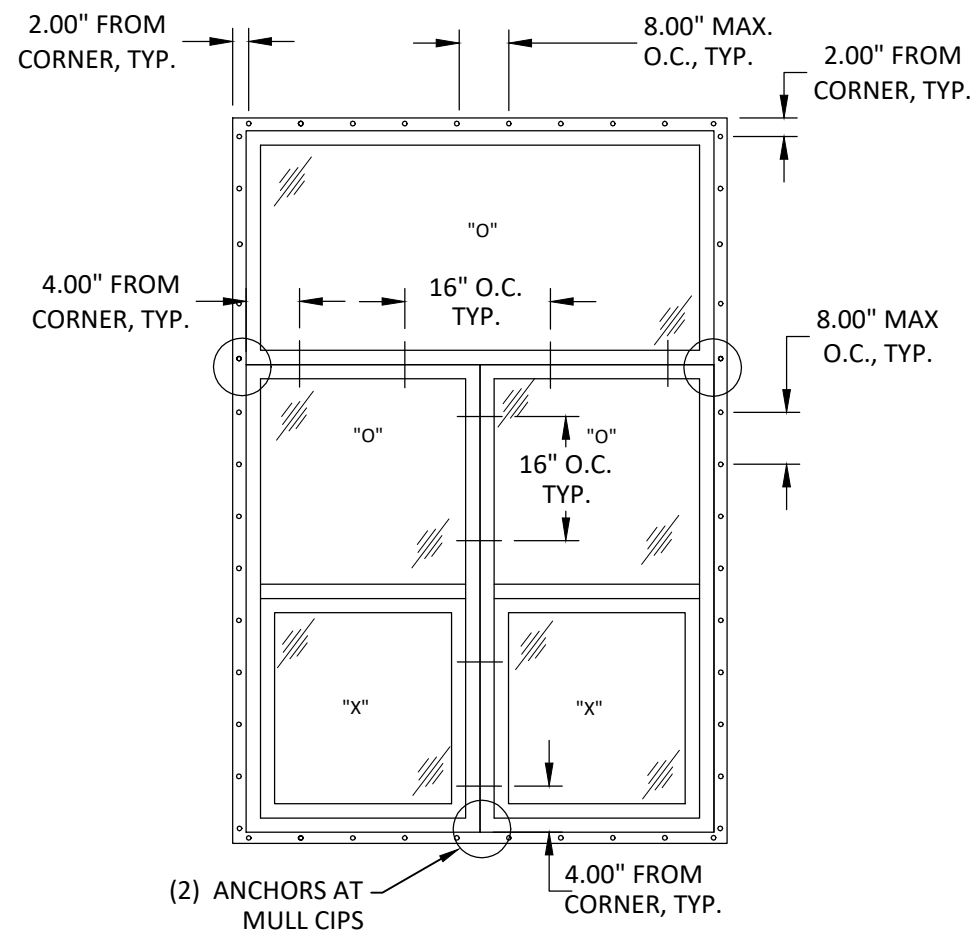
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No. 73778
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PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
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DANIA BEACH, FL 33004
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SECTION:	2

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TYPICAL ELEVATION



ANCHOR LAYOUT
NAIL FIN



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300 WELCOME CENTER
WELCOME, NC 27374
PH: (800) 542-9118 EXT. 413596

TITLE: **SERIES 5700/8050**
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)
ELEVATIONS, ANCHOR LAYOUTS &
GLAZING DETAIL

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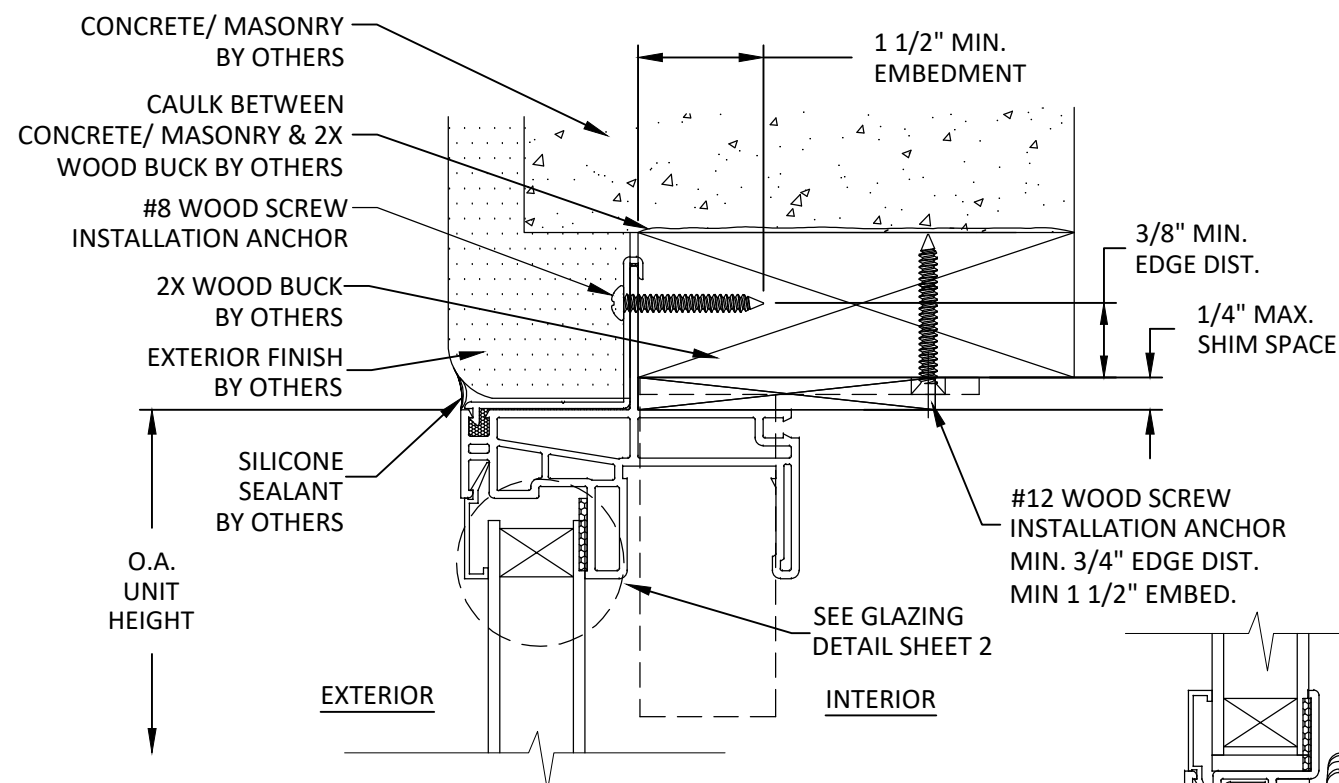
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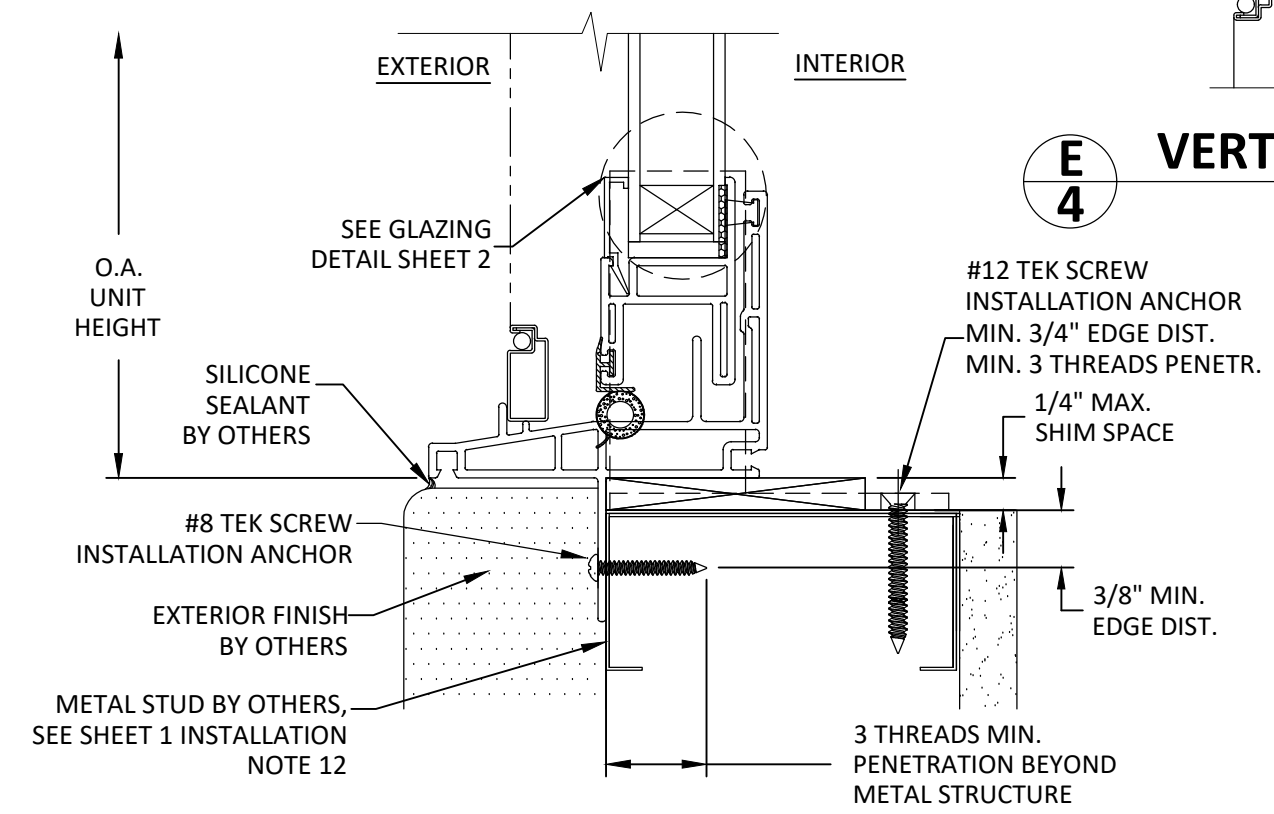
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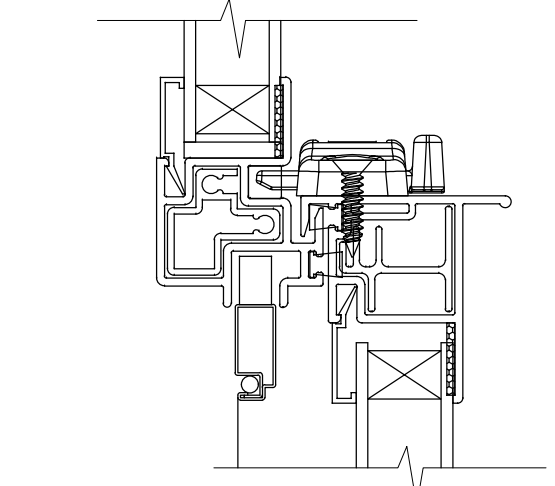
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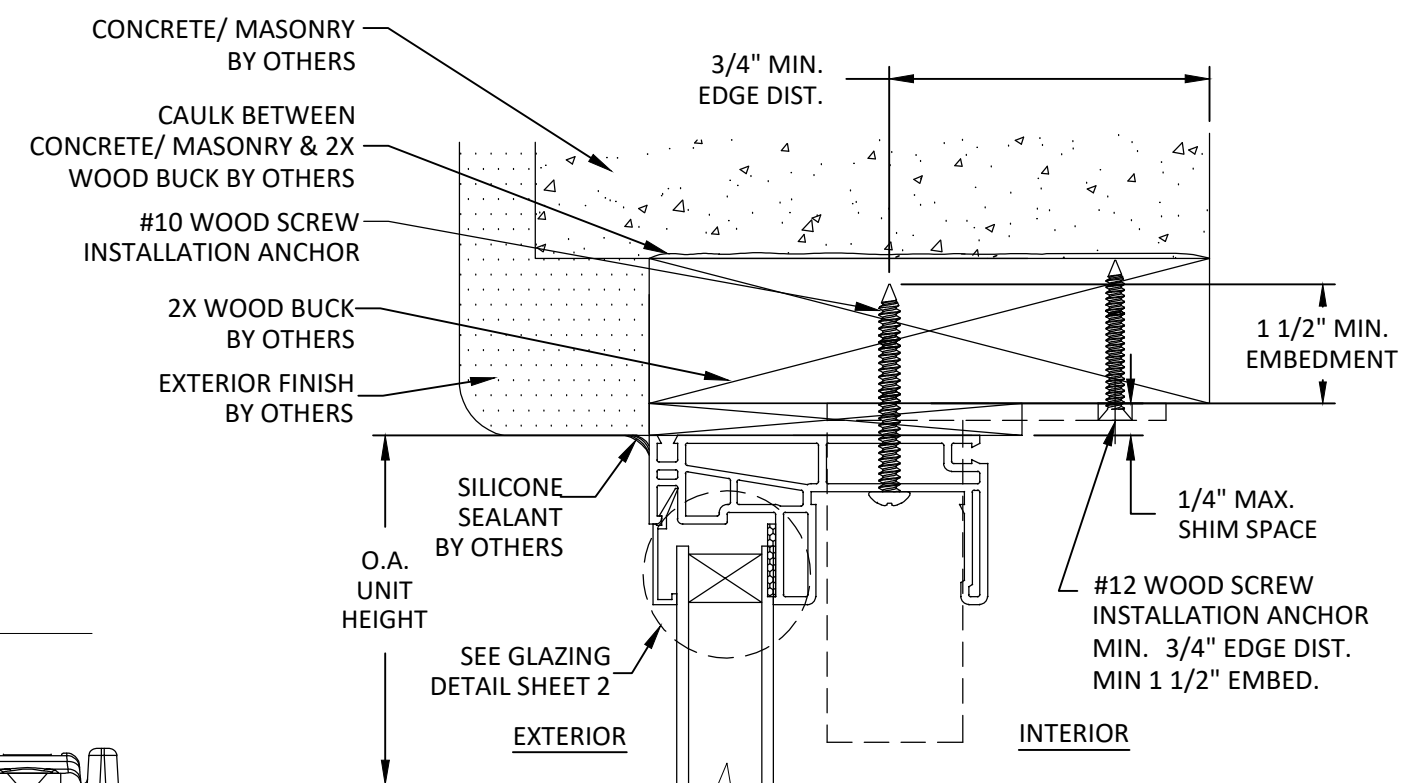
B
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN



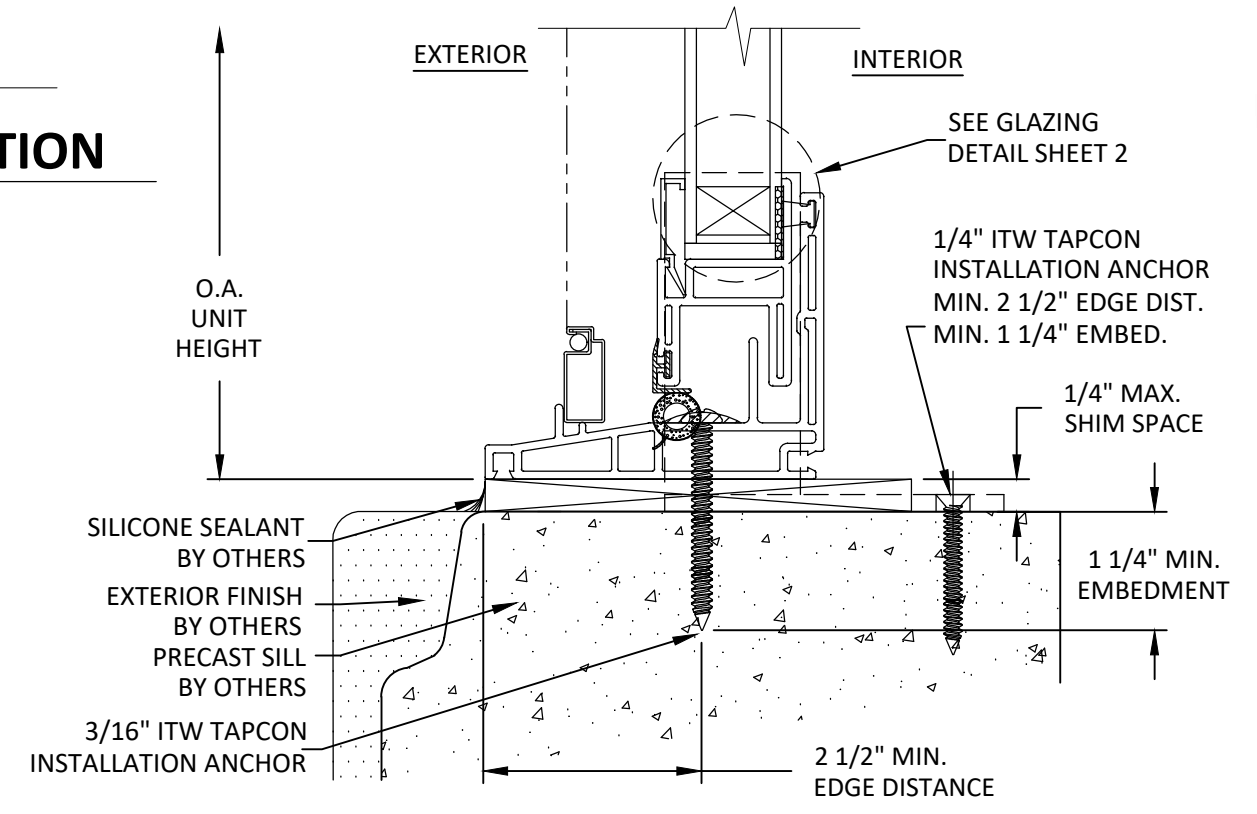
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4 **VERTICAL SECTION**
SILL - METAL STUD
NAIL FIN



E
4 **VERTICAL SECTION**
MEETING RAIL



D
4 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
THROUGH FRAME



C
4 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
THROUGH FRAME

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VERTICAL
SECTIONS

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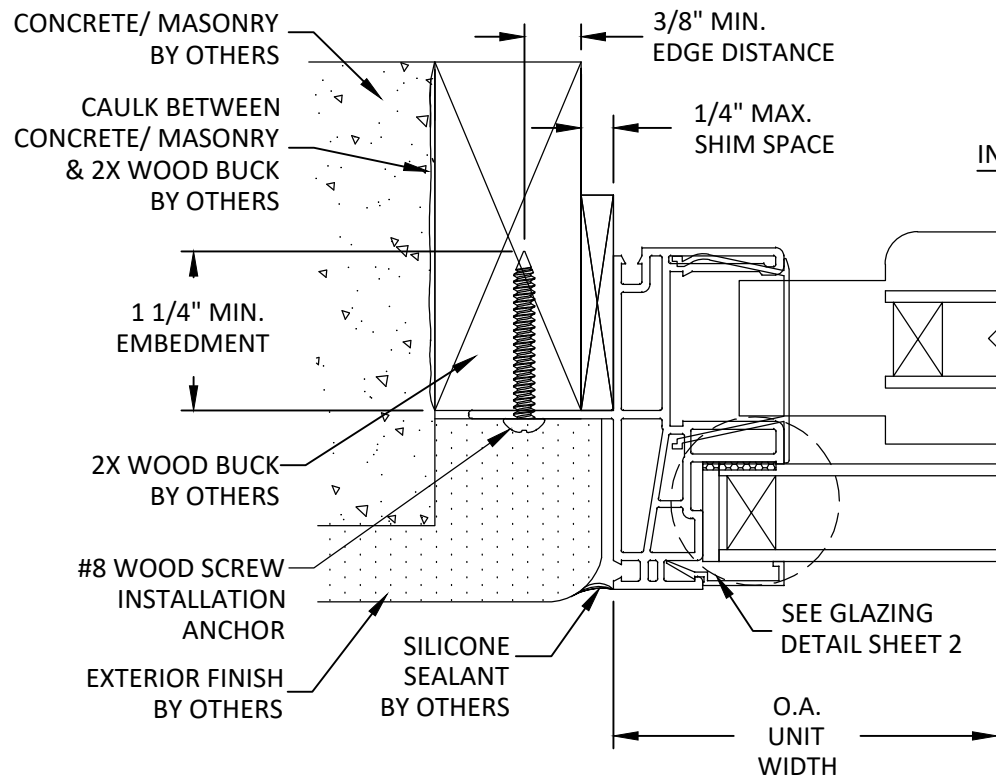
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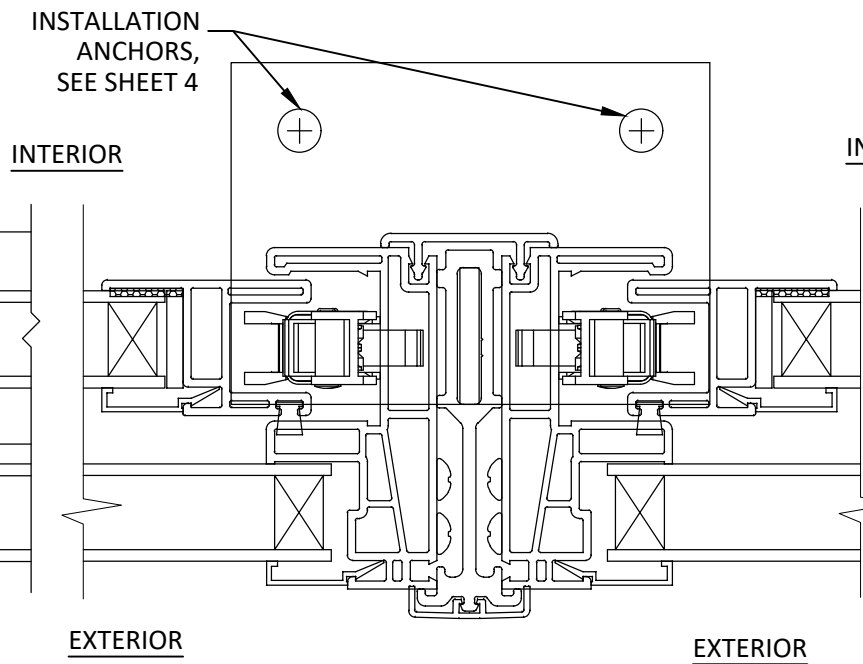
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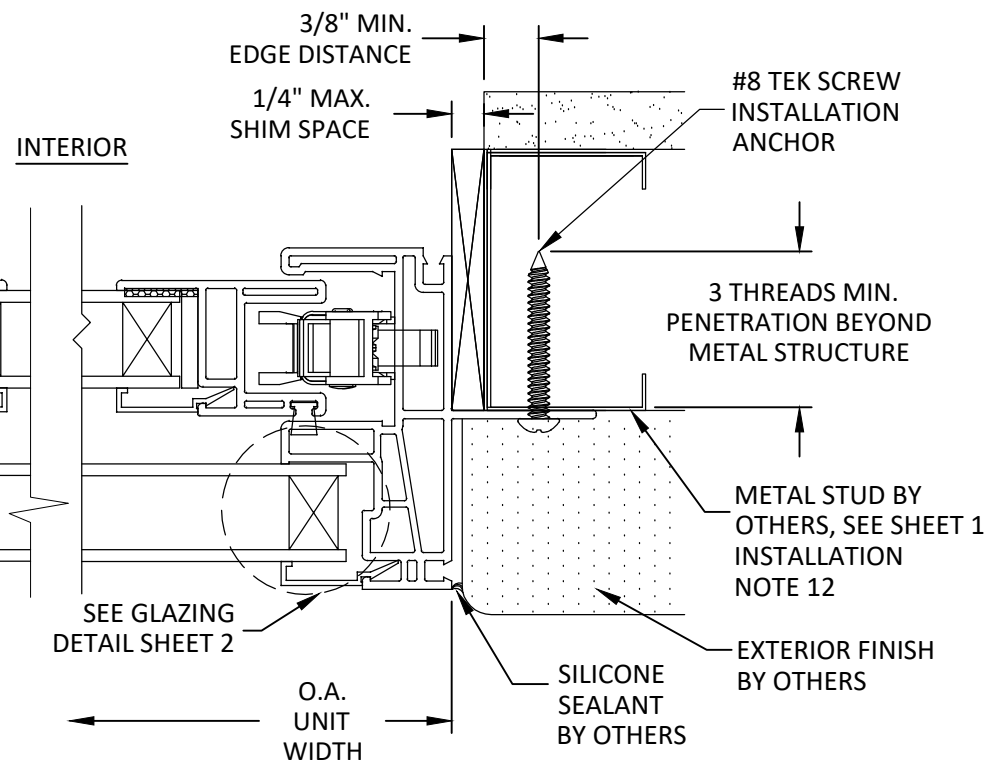
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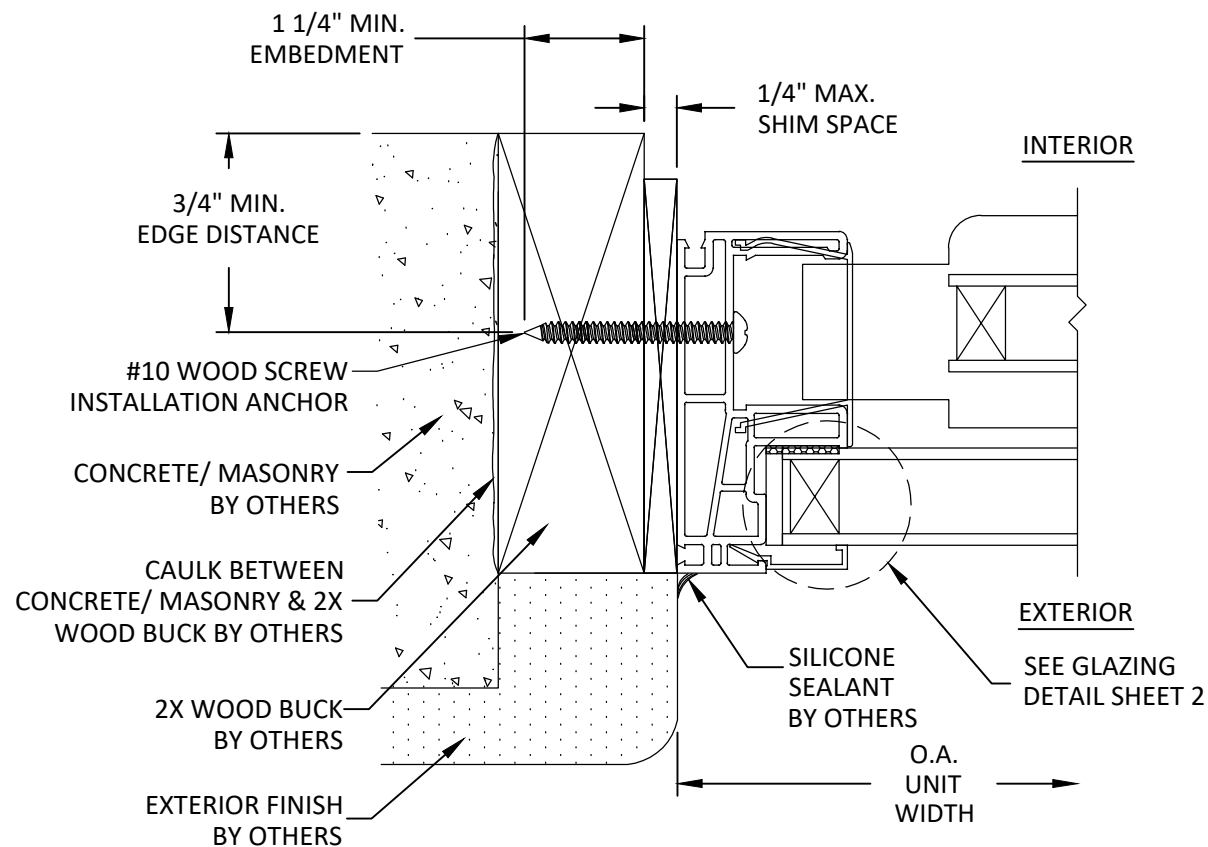
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5 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
NAIL FIN



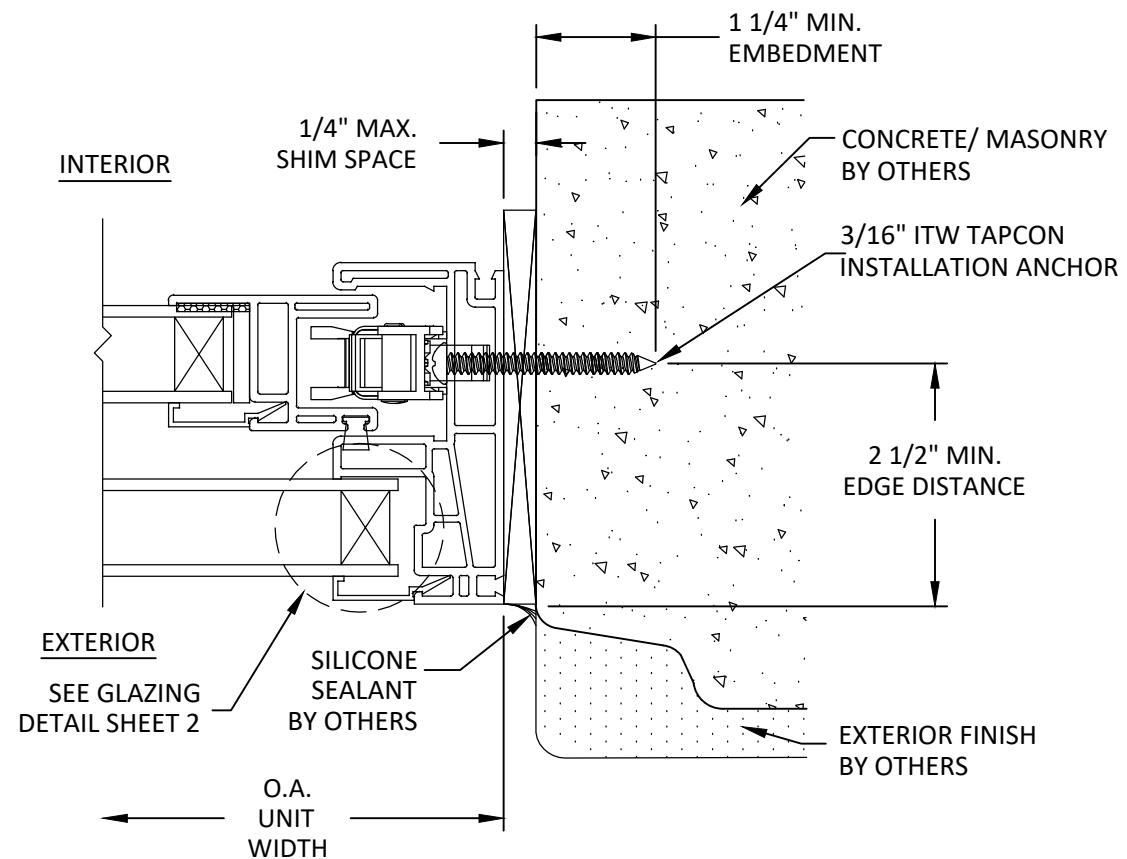
J
5 **HORIZONTAL SECTION**
VERTICAL MULLION



I
5 **HORIZONTAL SECTION**
JAMB - METAL STUD
NAIL FIN



F
5 **HORIZONTAL SECTION**
JAMB - 2X WOOD BUCK
THROUGH FRAME



H
5 **HORIZONTAL SECTION**
JAMB - CONCRETE/MASONRY
THROUGH FRAME

TITLE: SERIES 5700/8050
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)

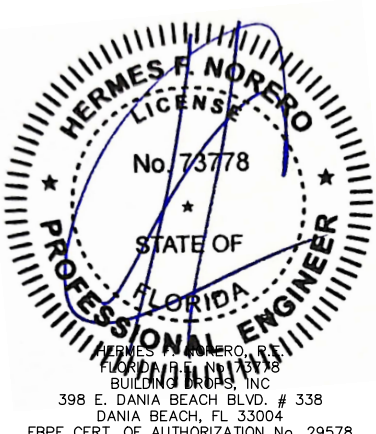
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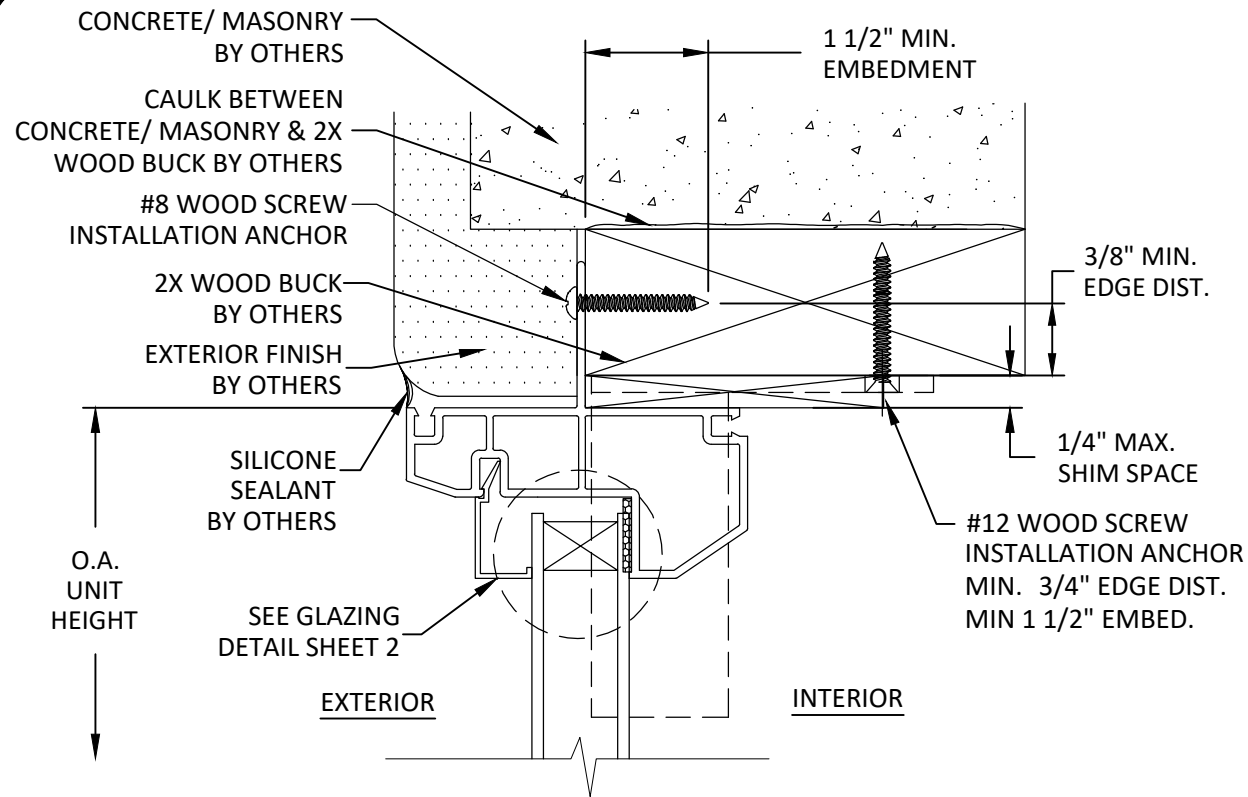
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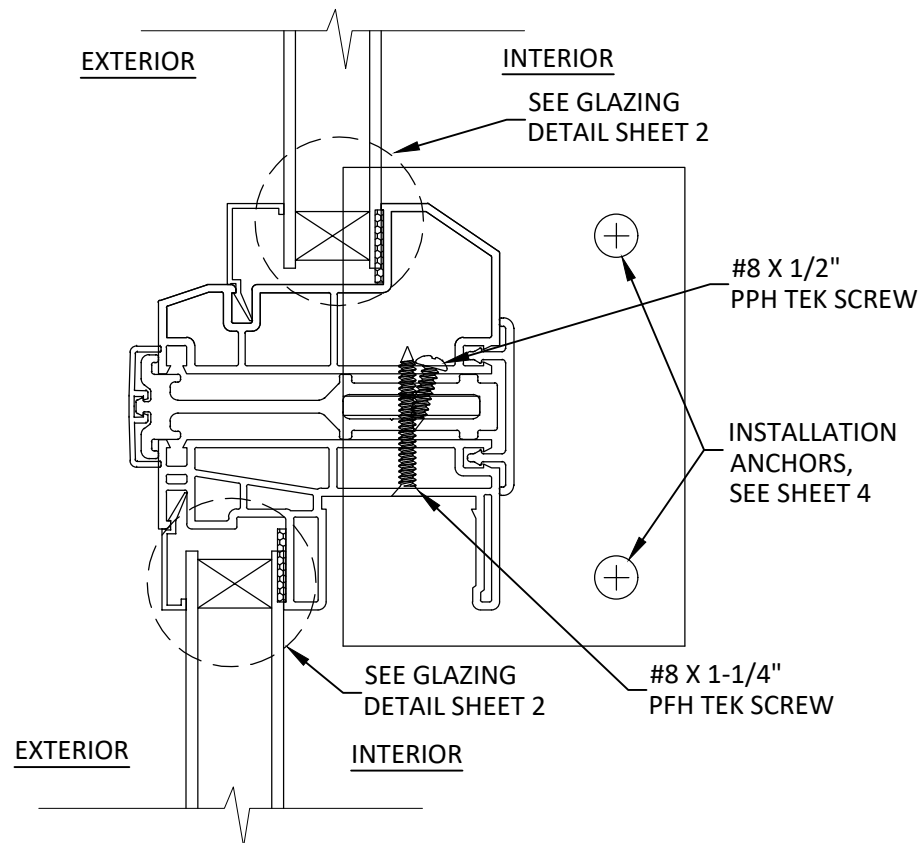


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L
6 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
NAIL FIN



K
6 **VERTICAL SECTION**
HORIZONTAL MULLION

TRIPLE SINGLE HUNG WINDOW

ALLOWABLE DESIGN PRESSURE (PSF)			
NOMINAL DIMS. (in)		EXT. (+)	INT. (-)
MAX. WIDTH	MAX. HEIGHT		
24	120	19.4	19.4
24	114	22.7	22.7
24	108	26.7	26.7
24	102	31.8	31.8
24	96	38.2	38.2
30		31.0	31.0
24	90	40.0	40.0
30		37.9	37.9
24	84	40.0	40.0
30		40.0	40.0
36		40.0	40.0
24	78	40.0	40.0
30		40.0	40.0
36		40.0	40.0
24	72	40.0	40.0
30		40.0	40.0
36		40.0	40.0
42		22.2	22.2
24	66	40.0	40.0
30		40.0	40.0
36		40.0	40.0
42		22.9	22.9
24	60	40.0	40.0
30		40.0	40.0
36		40.0	40.0
42		24.0	24.0
48		15.2	15.2

NOTE:
TABLES SHOW INDIVIDUAL SIZES. INDIVIDUAL
WINDOWS AND TWIN OR TRIPLE MULLED
CONFIGURATIONS ARE QUALIFIED USING
INDIVIDUAL SIZES.

TWIN SINGLE HUNG WINDOW W/ TRANSOM

ALLOWABLE DESIGN PRESSURE (PSF)							
NOMINAL DIMS. (in)						EXT. (+)	INT. (-)
MAX. O.A. WIDTH	MAX. O.A. HEIGHT	MAX. TRANS. HEIGHT	MAX. TRANS. WIDTH	MAX. SH HEIGHT	MAX. SH WIDTH		
48.0	120	40	48.0	80	24	45.0	45.0
60.0			60.0		30	37.6	37.6
48.0	114	38	48.0	76	24	45.0	45.0
60.0			60.0		30	44.1	44.1
48.0	108	36	48.0	72	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
48.0	102	34	48.0	68	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
48.0	96	32	48.0	64	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
48.0	90	30	48.0	60	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
48.0	84	28	48.0	56	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0	78	26	72.0	52	36	45.0	45.0
48.0			48.0		24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
48.0	72	24	48.0	48	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
84.0			84.0		42	45.0	45.0
48.0	66	22	48.0	44	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
84.0			84.0		42	45.0	45.0
48.0	60	20	48.0	40	24	45.0	45.0
60.0			60.0		30	45.0	45.0
72.0			72.0		36	45.0	45.0
84.0			84.0		42	27.0	27.0

NOTE:
TABLE ABOVE QUALIFIES INDIVIDUAL UNITS
WITH TRANSOMS SUCH THAT THE
ALLOWABLE SINGLE HUNG WIDTH IS NOT
EXCEEDED.

ATRIUM
WINDOWS AND DOORS
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300 WELCOME CENTER
WELCOME, NC 27374
PH: (800) 542-9118 EXT. 413596

TITLE: **SERIES 5700/8050**
SINGLE HUNG WINDOW
(NON-HVHZ) (NON-IMPACT)
VERTICAL SECTIONS
& DESIGN PRESSURE TABLES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BD
BUILDING DROPS

REMARKS	BY	DATE
FBC 2017 CODE CHANGE	AG	10.03.17
FBC 2020 CODE CHANGE	SM	09.29.20
FBC 2023 CODE CHANGE	MG	07.21.23

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, P.E.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL21036**

DATE: **10.03.17**

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

SCALE: **NTS**

DWG. #: **ATR121**

SECTION: **6**

OF 6