

PLY GEM WINDOWS

CONTRACTOR 2000 FIXED WINDOW

(NON-IMPACT)

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
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. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/ MASONRY, USE ONE (1) *3/16 INCH ITW TAPCON* PER LOCATION OF SUFFICIENT LENGTH TO ACHIEVE *1 1/4 INCH* MINIMUM EMBEDMENT.
5. FOR INSTALLATION THROUGH STEEL STUD USE ONE (1) #10 SELF-TAPPING SCREWS PER INSTALLATION CLIP OF SUFFICIENT LENGTH TO ACHIEVE *3 THREADS* MINIMUM ENGAGEMENT INTO 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. 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.
10. 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.
11. 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.
 - D. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 33 MILS. (20 GUAGE)

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
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND METAL STUD 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.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: *VINYL*
7. GLASS SHALL MEET THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAILS.
8. *DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:*
X: OPERABLE PANEL
O: FIXED PANEL

SIZE CHART				
OVERALL SIZE		PRODUCT RATING	MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
WIDTH	HEIGHT			
72"	84"	FWLC50	+50/-50 PSF	
100"	57"	FW-LC55	+55/-55 PSF	
57"	100"	FW-LC65	+65/-65 PSF	

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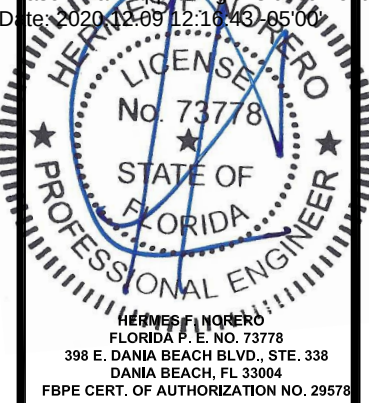


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CONTRACTOR SERIES 2000 FW-NI GENERAL AND INSTALLATION NOTES		DATE	BY	1.14.14	7.03.19	11.09.20
REVISION DESCRIPTION		2010 FBC REVISIONS	PAGE REVISIONS	7TH EDITION (2020) FBC		
TITLE:	NO.	A	B	C		
DATE: 03.24.10	DWN BY: MSS	CHK BY: KSD	SCALE: NTS			

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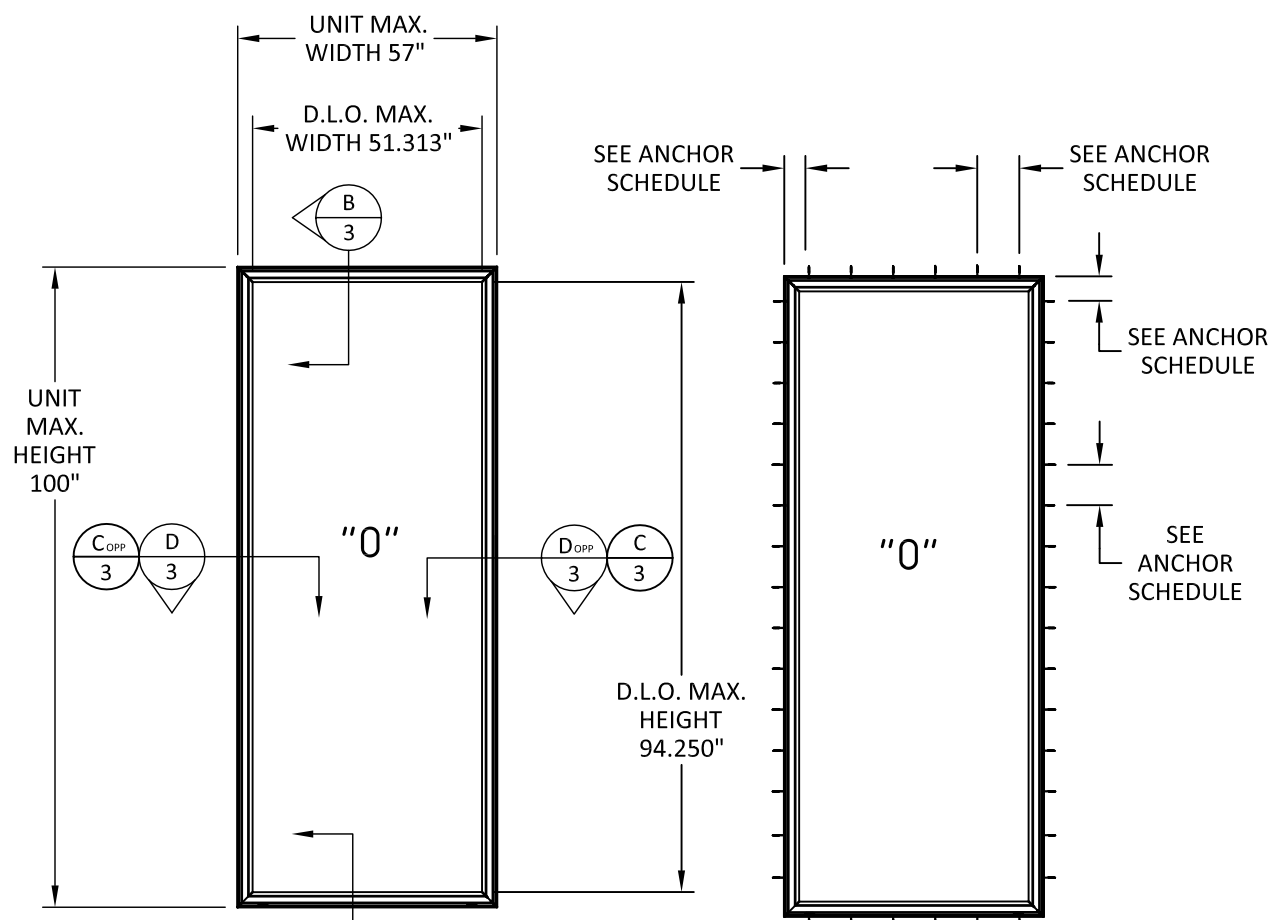
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DWG #:

PGW001

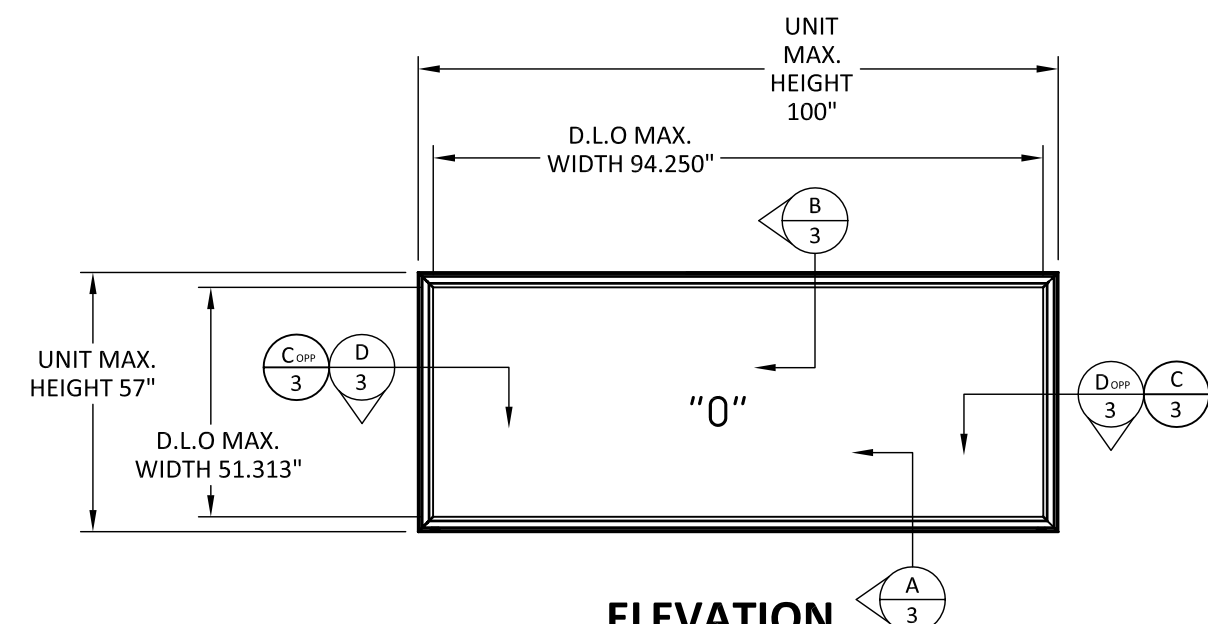
SHEET:

1 OF 3



ELEVATION
DP +/- 65 PSF

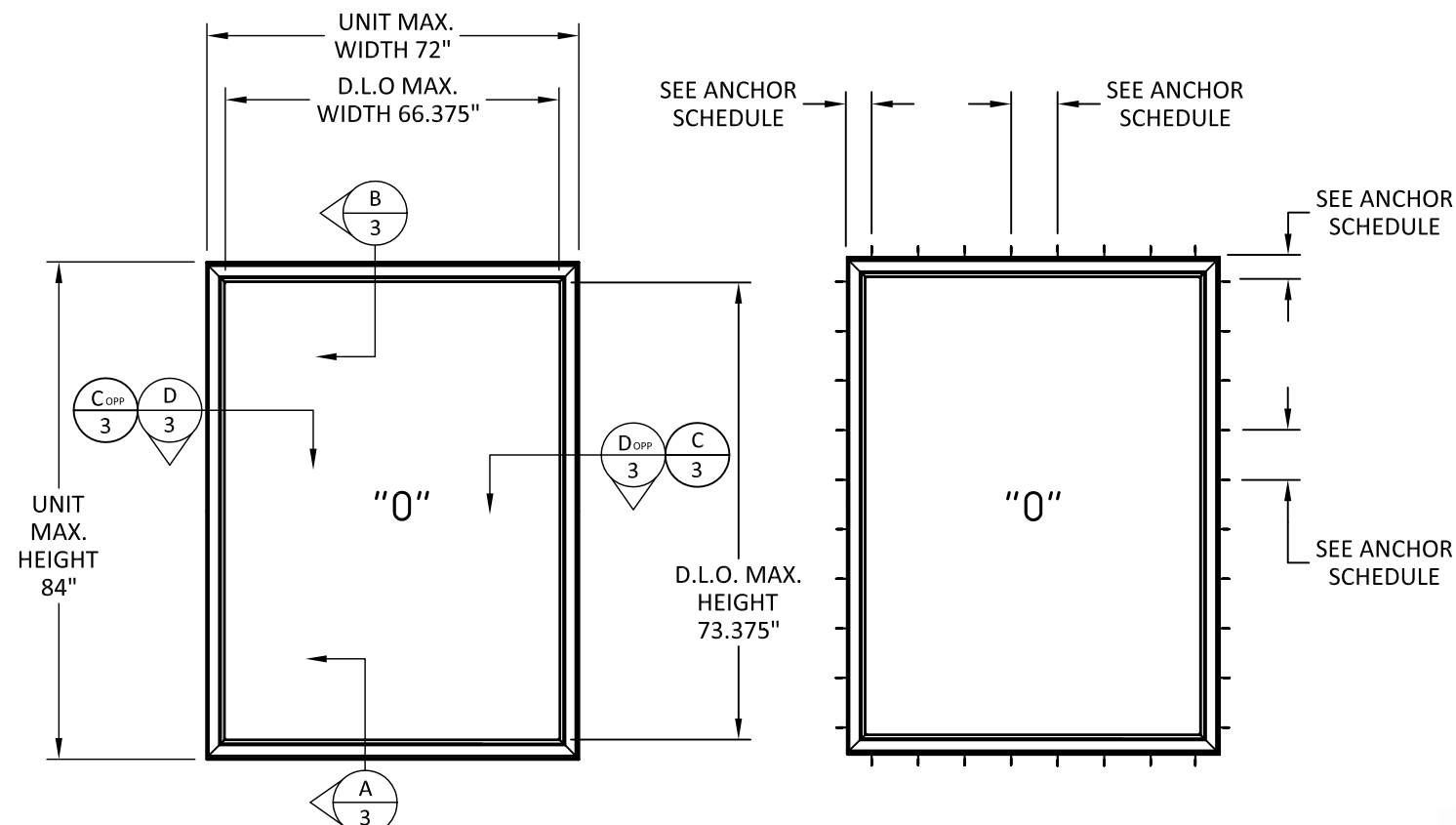
ANCHOR LAYOUT
DP +/- 65 PSF



ELEVATION
DP +/- 55 PSF

ANCHOR LAYOUT
DP +/- 55 PSF

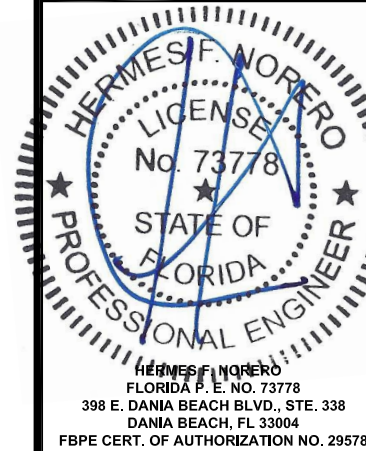
ANCHOR TYPE	DESIGN PRESSURE	QTY PER LOCATION	SUBSTRATE	EMBEDMENT (IN.)	EDGE DISTANCE (IN.)	HEAD/SILL O.C. DISTANCE (IN.)	JAMB O.C. DISTANCE (IN.)	CORNER DISTANCE (IN.)
3/16" ITW TAPCON	+/- 50 PSF	1	CONCRETE/MASONRY	1.25	2.5	11	8.5	4
#10 SELF-TAPPING	+/- 50 PSF	1	STEEL STUD	3 THREADS	0.5	13	11	4
3/16" ITW TAPCON	+/- 55 PSF	1	CONCRETE/MASONRY	1.25	2.5	8	12.5	4
#10 SELF-TAPPING	+/- 55 PSF	1	STEEL STUD	3 THREADS	0.5	10	16.5	4
3/16" ITW TAPCON	+/- 65 PSF	1	CONCRETE/MASONRY	1.25	2.5	10	7	4
#10 SELF-TAPPING	+/- 65 PSF	1	STEEL STUD	3 THREADS	0.5	12	8.5	4

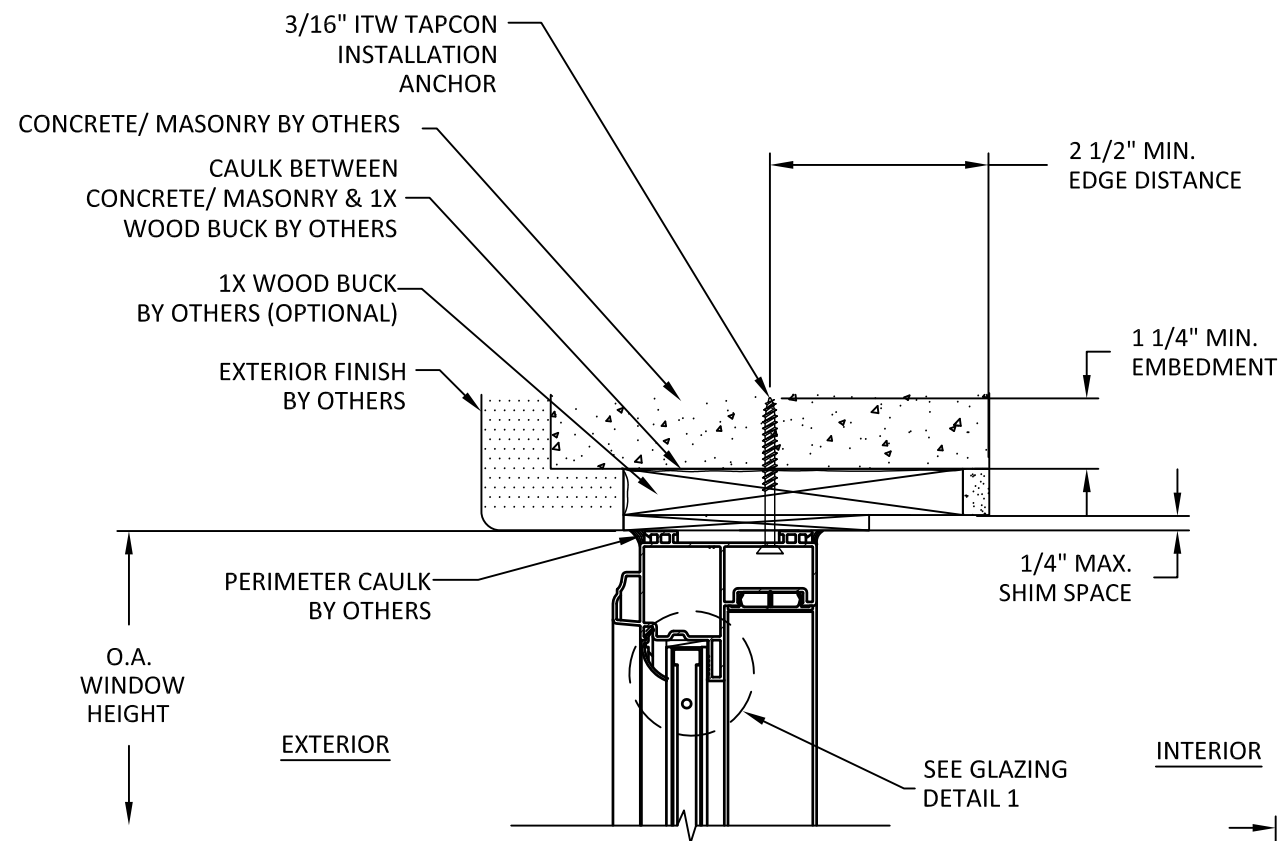


ELEVATION
DP +/- 50 PSF

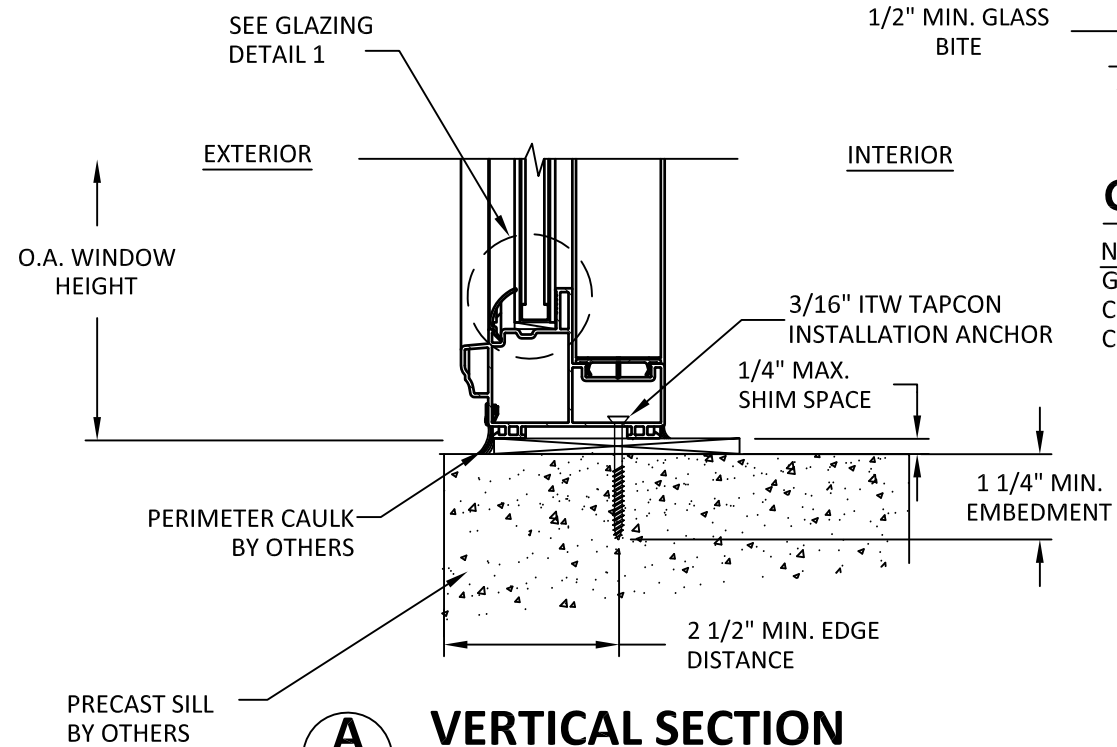
ANCHOR LAYOUT
DP +/- 50 PSF

TITLE:	CONTRACTOR SERIES 2000 FW-NI ELEVATIONS & ANCHOR LAYOUTS				BY	DATE
	NO.	REVISION DESCRIPTION	2010 FBC REVISIONS	PAGE REVISIONS		
DATE: 03.24.10	A				TJM	1.14.14
DWN BY: MSS	B				CD	7.03.19
CHK BY: KSD	C				LMH	11.09.20
SCALE: NTS						

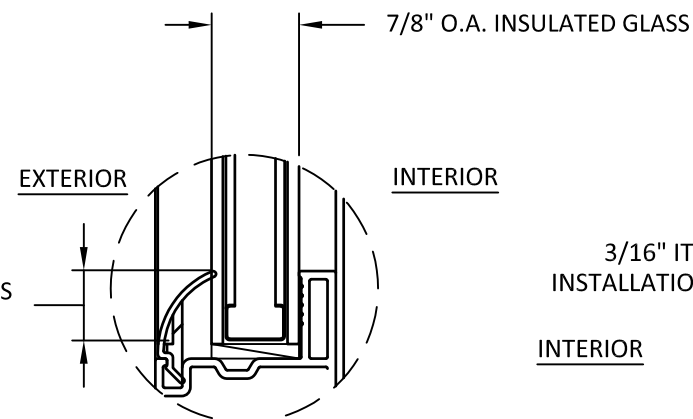




B
3 VERTICAL SECTION
HEAD - 1X WOOD/CONCRETE/MASONRY

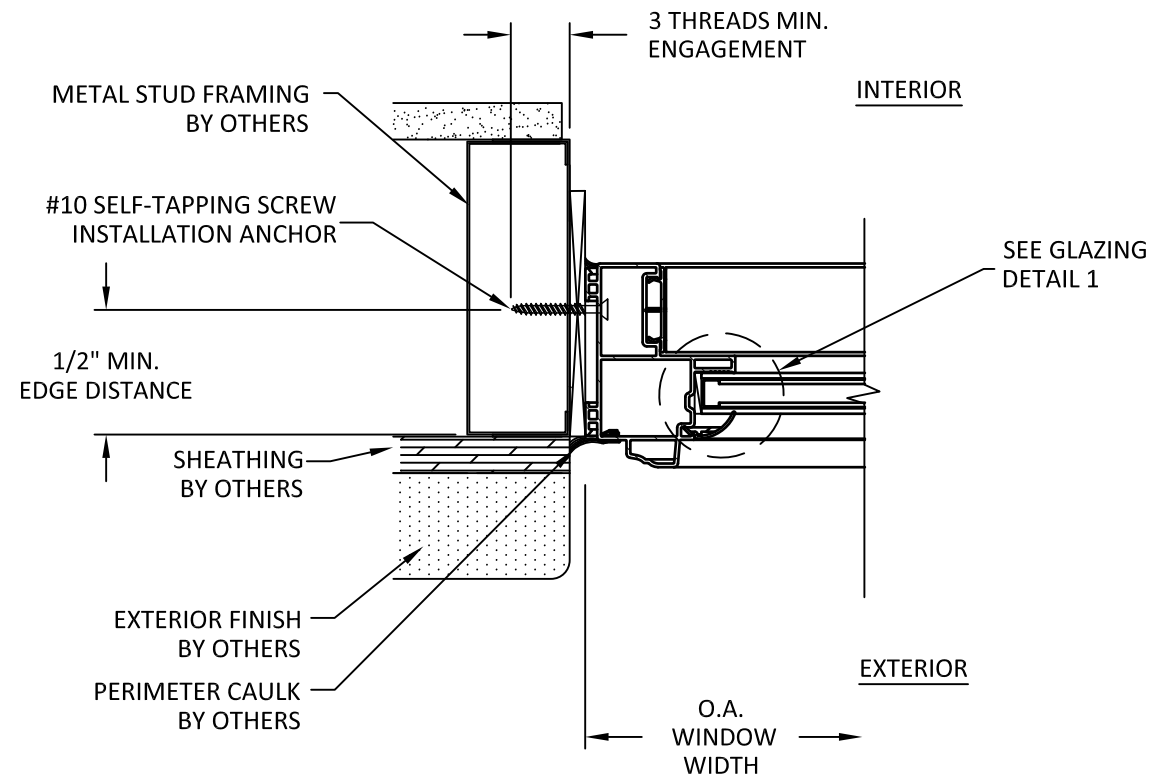


A
3 VERTICAL SECTION
SILL - PRECAST CONCRETE

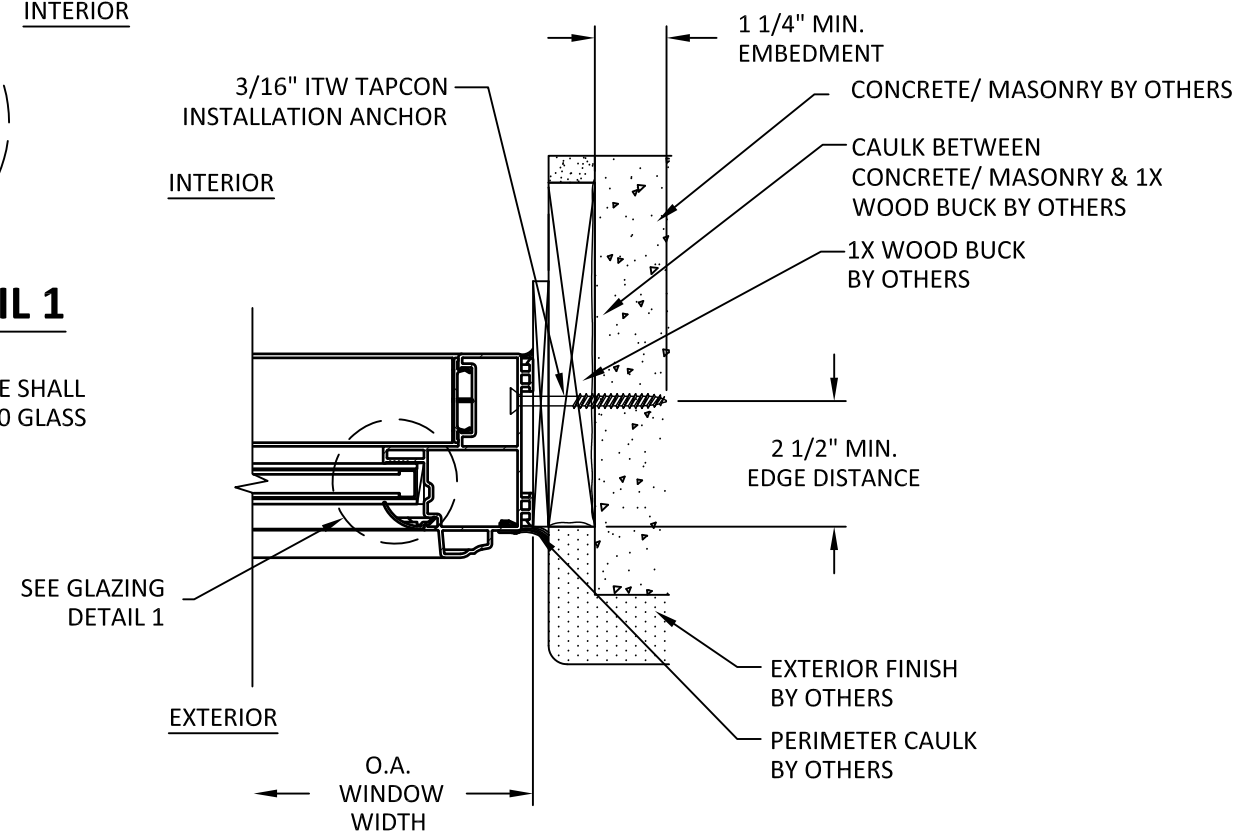


GLAZING DETAIL 1

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



D
3 HORIZONTAL SECTION
JAMB - STEEL STUD FRAME



C
3 HORIZONTAL SECTION
JAMB - 1X WOOD/CONCRETE/MASONRY

TITLE:	CONTRACTOR SERIES 2000 FW-NI VERTICAL / HORIZONTAL SECTIONS & GLAZING DETAIL			
	REVISION DESCRIPTION	BY	DATE	
NO.	2010 FBC REVISIONS	TJM	1.14.14	
A	PAGE REVISIONS	CD	7.03.19	
B				
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