ANDERSEN CORPORATION

RENEWAL BY ANDERSEN DOUBLE HUNG WINDOW (HVHZ) (IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC) INCLUDING HVHZ. ALL PRODUCTS UNDER THE SCOPE OF THIS DOCUMENT HAVE BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - TAS 201-94
   - TAS 202-94
   - TAS 203-94

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. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/4 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.

5. 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 HVHZ AREAS.

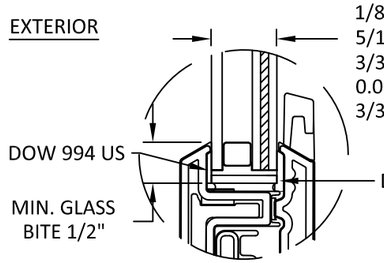
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

7. WINDOW FRAME MATERIAL: FIBREX & PVC

8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

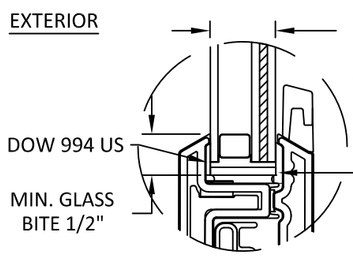
TABLE OF CONTENTS

SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
2	ELEVATION AND ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	INSTALLATION NOTES AND ANCHOR DETAILS



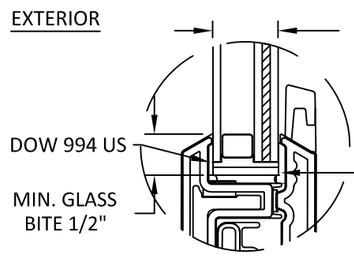
3/4" O.A. I.G. LAMINATED GLASS CONSISTING OF:
1/8" ANNEALED GLASS,
5/16" STAINLESS STEEL SPACER,
3/32" ANNEALED GLASS,
0.090" PVB INTERLAYER BY KURARAY,
3/32" ANNEALED GLASS

GLAZING G-1



3/4" O.A. I.G. LAMINATED GLASS CONSISTING OF:
3/32" HEAT STRENGTHENED GLASS,
3/8" STAINLESS STEEL SPACER,
3/32" ANNEALED GLASS,
0.090" PVB INTERLAYER BY KURARAY,
3/32" ANNEALED GLASS

GLAZING G-2



3/4" O.A. I.G. LAMINATED GLASS CONSISTING OF:
1/8" TEMPERED GLASS,
5/16" STAINLESS STEEL SPACER,
3/32" ANNEALED GLASS,
0.090" PVB INTERLAYER BY KURARAY,
3/32" ANNEALED GLASS

GLAZING G-2T

RENEWAL by ANDERSEN
FULL SERVICE WINDOW & DOOR REPLACEMENT

100 FOURTH AVE NORTH
BAYPORT, MN 55003-1096
PH: (651) 264-5150 FX: (651) 264-5485

TITLE: *RENEWAL BY ANDERSEN DOUBLE HUNG WINDOW (HVHZ)(IMPACT)*
GENERAL NOTES & GLAZING DETAILS

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

REMARKS	BY	DATE

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HERMES F. NORERO P.E.
FLORIDA P.E. No 73778
BUILDING DROPS, INC
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL27970

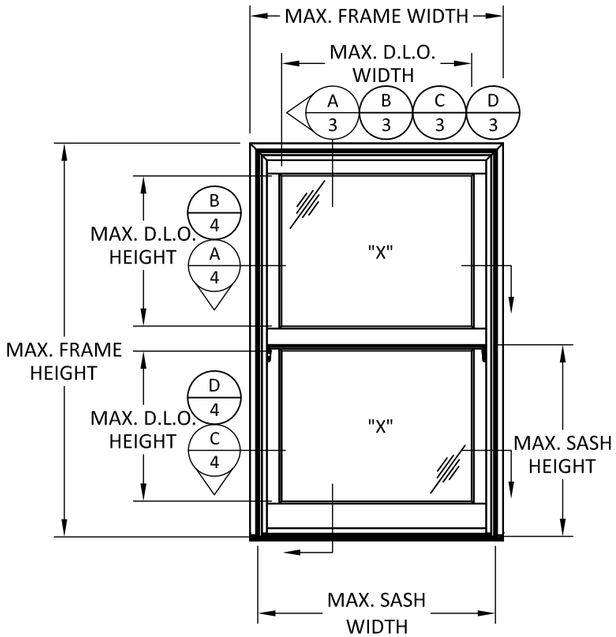
DATE: 05.25.21

DWG. BY: ER | CHK. BY: HFN

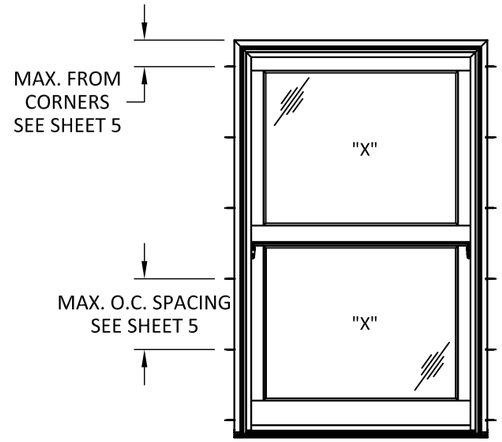
SCALE: NTS

DWG. #: AWD291

SHEET: 1 OF 5



ELEVATION



TYPICAL ANCHOR LAYOUT

DESIGN PRESSURE RATING					
GLAZING TYPE	FRAME SIZE	SASH SIZE	D.L.O.	DESIGN PRESSURE	MISSILE RATING
G-1	48" X 58"	45.5" X 29"	42" X 24.5"	+60/-70 PSF	LARGE & SMALL IMPACT
G-1	32" X 76"	29.5" X 38"	26" X 33.5"		
G-2	52" X 72"	49.5" X 36"	46" X 31.5"		
G-2	40" X 76"	37.5" X 38"	34" X 33.5"		
G-2T	47.8125" X 72"	45.25" X 36"	41.8125" X 31.5"		

NOTES:
WINDOW WATER PENETRATION RESISTANCE TEST PRESSURE WAS CONDUCTED AT 7.54 PSF.

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TITLE:
RENEWAL BY ANDERSEN DOUBLE HUNG WINDOW (HVHZ)(IMPACT)

ELEVATION & ANCHOR LAYOUT

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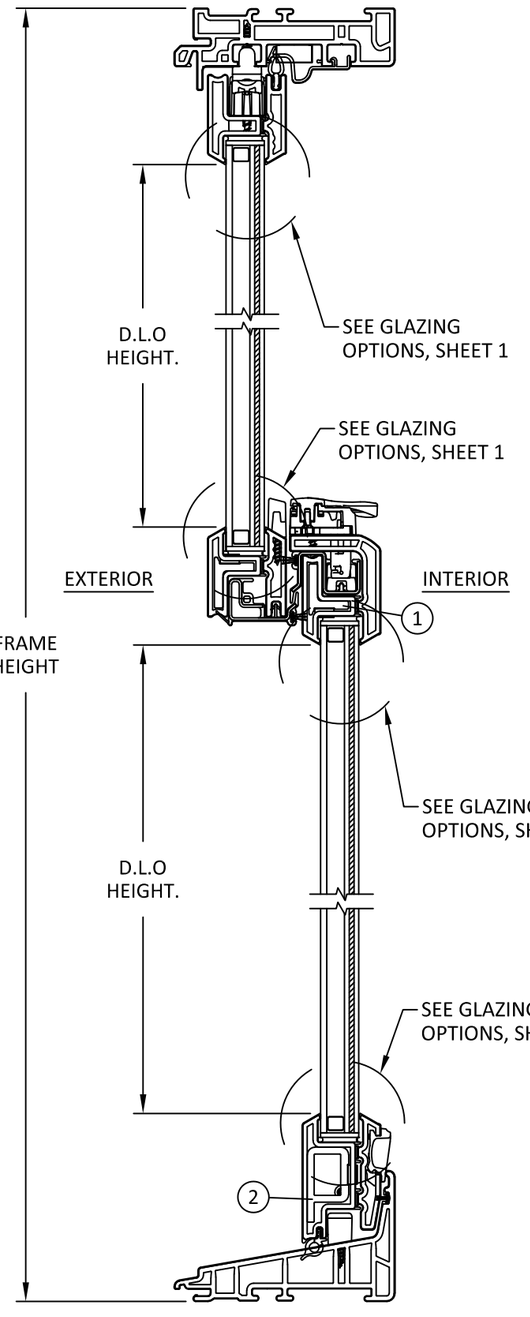
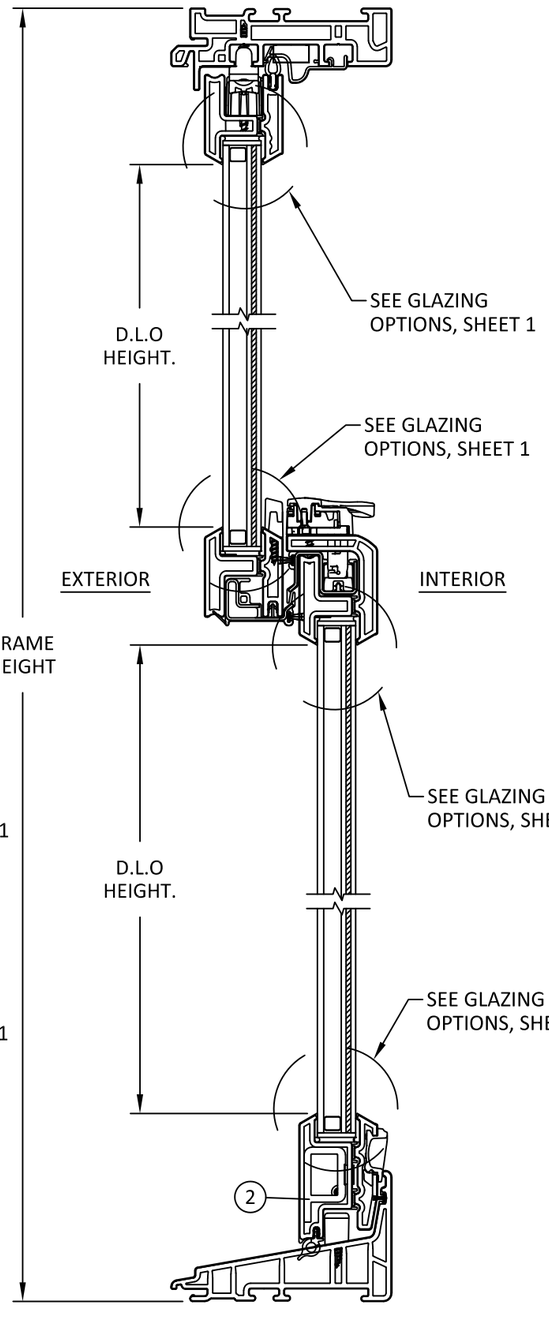
SHEET: 2 OF 5



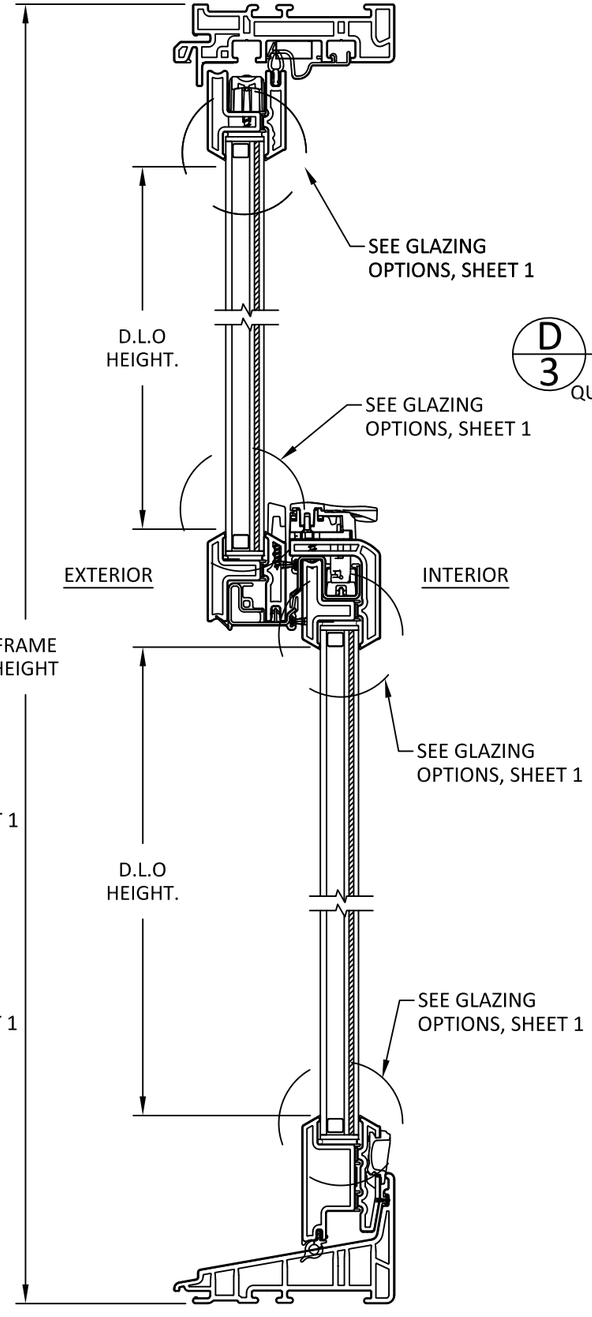
A/3 VERTICAL SECTION

FULLY REINFORCED
40.0625" - 52" WIDE



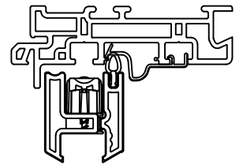
B/3 VERTICAL SECTION

LESS REINFORCED
32.0625" - 40" WIDE



C/3 VERTICAL SECTION

NON REINFORCED
16" - 32" WIDE



D/3 VERTICAL SECTION

EJ FRAME
QUALIFIED AS OPTION OTHER THAN BASE FRAME

1 SASH TOP RAIL REINFORCEMENT

2 SASH BOTTOM RAIL REINFORCEMENT

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TITLE: *RENEWAL BY ANDERSEN DOUBLE HUNG WINDOW (HVHZ)(IMPACT)*
VERTICAL SECTIONS

PREPARED BY:
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BUILDING DROPS

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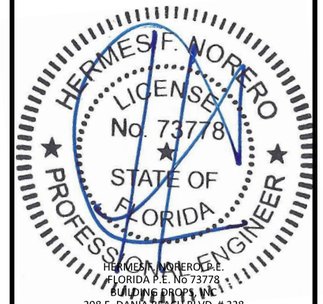

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FL #: FL27970

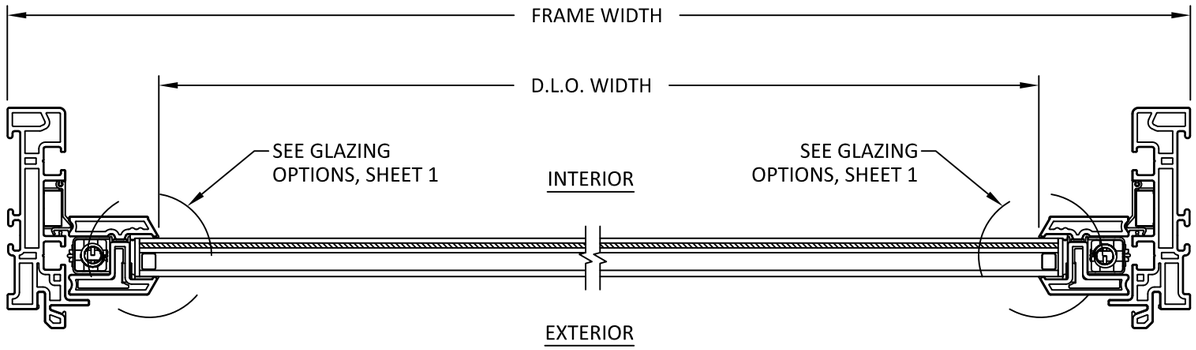
DATE: 05.25.21

DWG. BY:	CHK. BY:
ER	HFN

SCALE: NTS

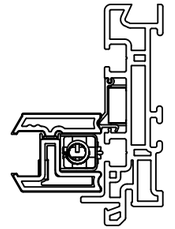
DWG. #: AWD291

SHEET: 3 OF 5



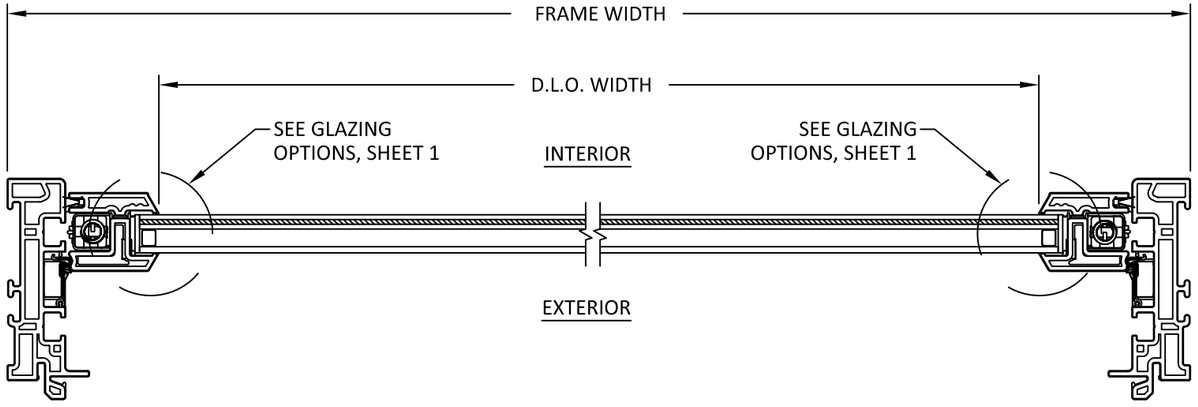
A/4 HORIZONTAL SECTION

UPPER SASH



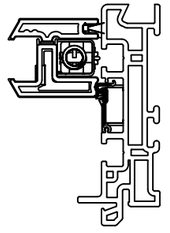
B/4 HORIZONTAL SECTION

UPPER SASH - EJ FRAME
QUALIFIED AS OPTION OTHER THAN BASE FRAME



C/4 HORIZONTAL SECTION

LOWER SASH



D/4 HORIZONTAL SECTION

LOWER SASH - EJ FRAME
QUALIFIED AS OPTION OTHER THAN BASE FRAME

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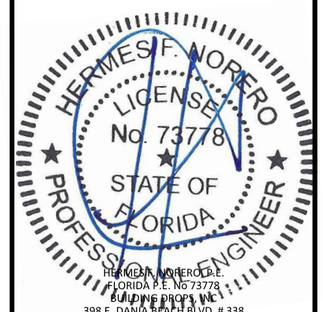

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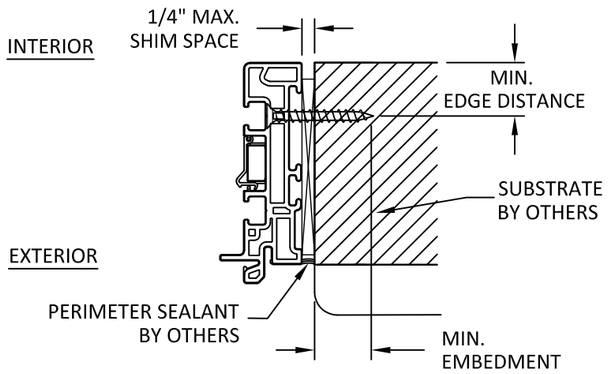
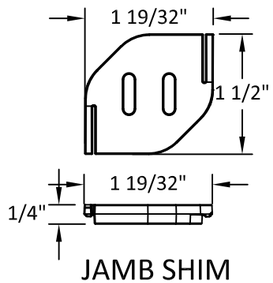
SHEET: 4 OF 5



A/5 HORIZONTAL SECTION

THROUGH FRAME (JAMB)



JAMB SHIM

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. SG = 0.55	#10 WOOD SCREW FLAT HEAD	1.5"	0.75"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW FLAT HEAD	3 THREADS MIN PENETRATION BEYOND METAL	0.5"
	CONCRETE: MIN. f'c=3000PSI	3/16" ITW TAPCON FLATHEAD	1.25"	2.5
	MASONRY: CMU per ASTM C90 MIN. 2000 PSI	3/16" ITW TAPCON FLATHEAD	1"	2.25

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
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 ±1/4 INCH 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 MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. 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.
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.

CORNER SPACING	
DISTANCE FROM HEAD	DISTANCE FROM SILL
5"	2.9"

ANCHOR SPACING					
HEIGHT (IN)	WIDTH (IN)				
	24	32	40	48	52
27	19.8	19.8	9.9	9.9	6.6
36	24.0	14.4	9.6	9.6	7.2
48	20.4	13.6	10.2	8.2	8.2
60	17.6	13.2	10.6	8.8	8.8
72	21.6	13.0	10.8	9.3	8.1
76	17.2	13.8	11.5	-	-

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2021.06.15 16:46:17 -04'00'

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER

HERMES F. NORERO, P.E.
FLORIDA P.E. No 73778
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SHEET: 5 OF 5