



8000 SERIES, DOUBLE HUNG WINDOW,
NON-IMPACT RESISTANT,
EQUAL SPLIT, MODEL 8400

GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC). SEE FL32349.
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 4) FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION. 1X BUCKS ARE OPTIONAL, IF USED, INSTALLATION ANCHORS WILL GO THRU THE 1X INTO THE MASONRY CONSTRUCTION. CAN INSTALL DIRECTLY INTO MASONRY WITH A 1/4" MAX SHIM.
- 5) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
- 6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE COATED OR CORROSION RESISTANT AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 7) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE.

TABLE 1: DESIGN PRESSURES

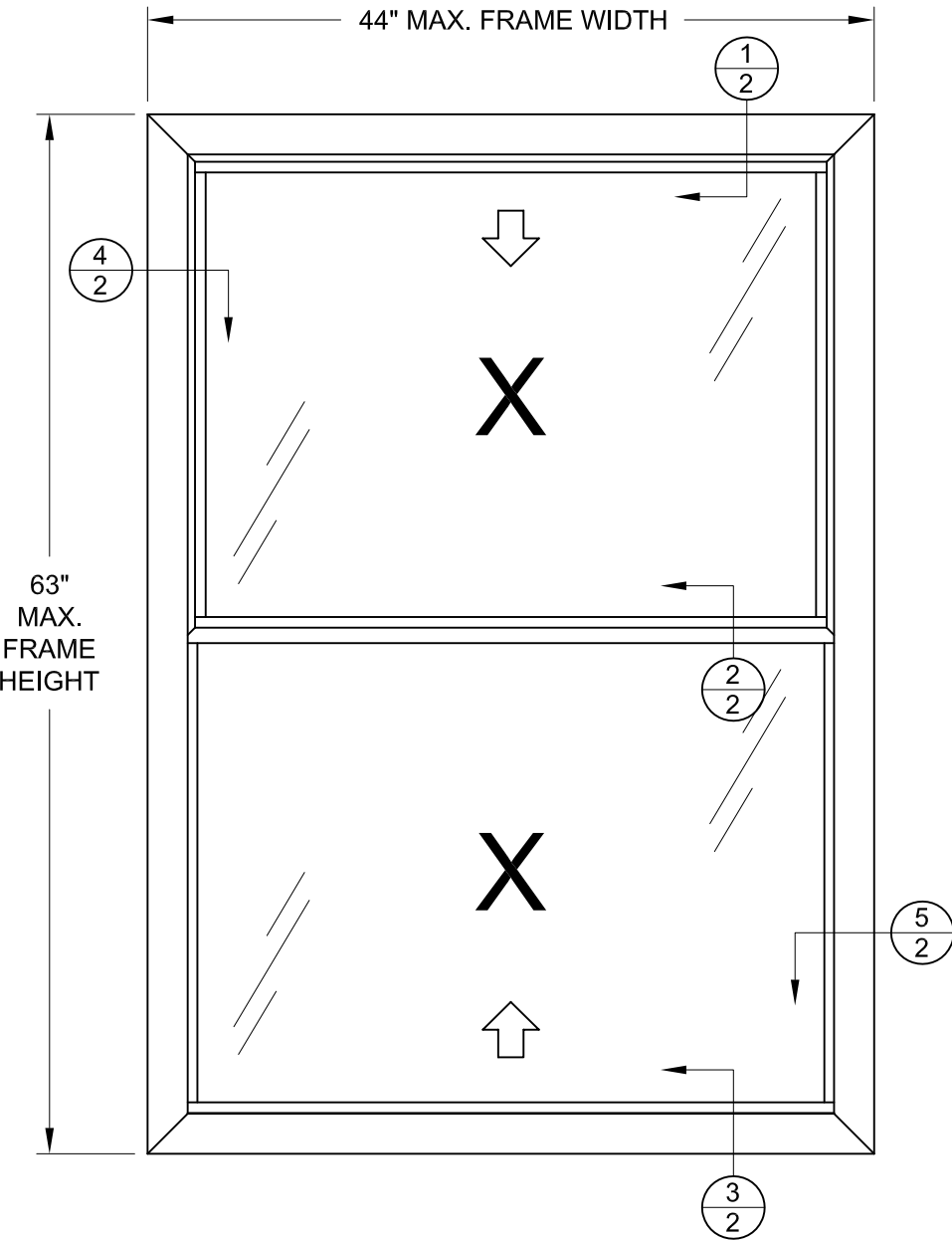
Width	Height	Design Pressure	
		(+) psf	(-) psf
44"	63"	50	50

TABLE 2: INSTALLATION ANCHORS

Anchor Type	Substrate	Min. Embedment	Min. Edge Distance	Min. On Center
1/4" Elco Ultracon and Ultracon+	Concrete/CMU	1-3/8"	1"	4"
#10 SMS	Wood	1-3/8"	9/16"	1"
#10 SMS	Steel Stud	.056"	5/8"	1"

ANCHOR NOTES:

- 1) CONCRETE ANCHOR LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS.
- 2) CONCRETE ANCHOR LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS, ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE "MAX. ON CENTER" DIMENSION IS NOT EXCEEDED.
- 3) SHEET METAL SCREWS MUST PENETRATE A MIN. OF 3 THREADS THRU THE STEEL STUD.

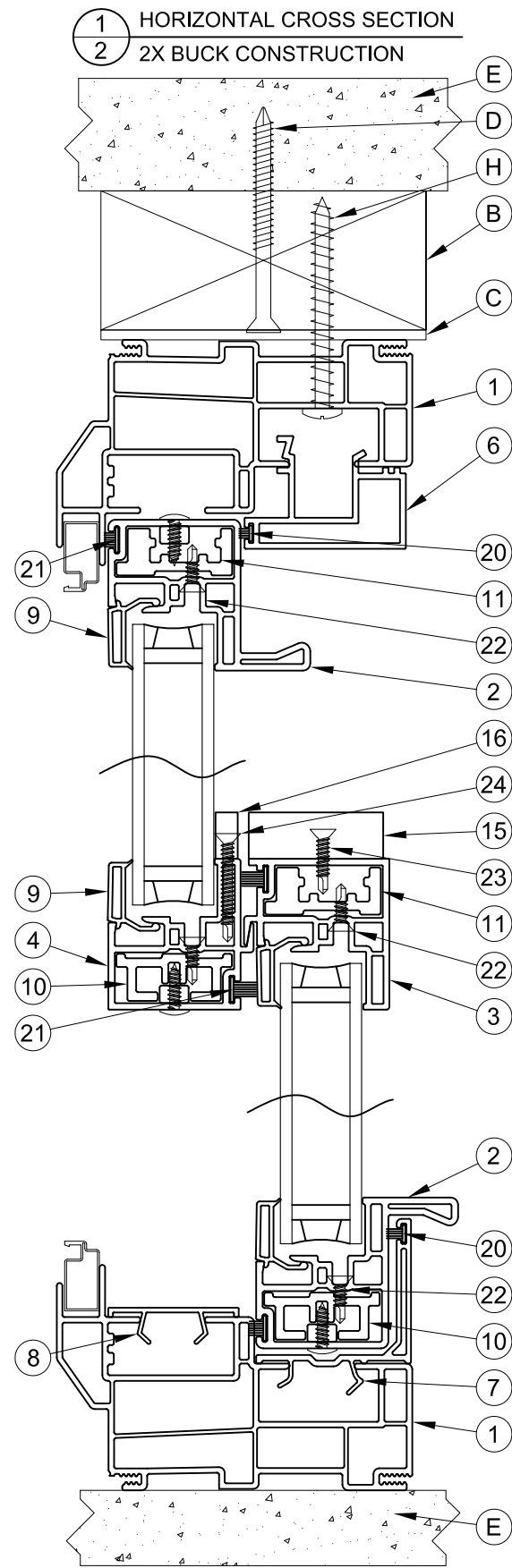


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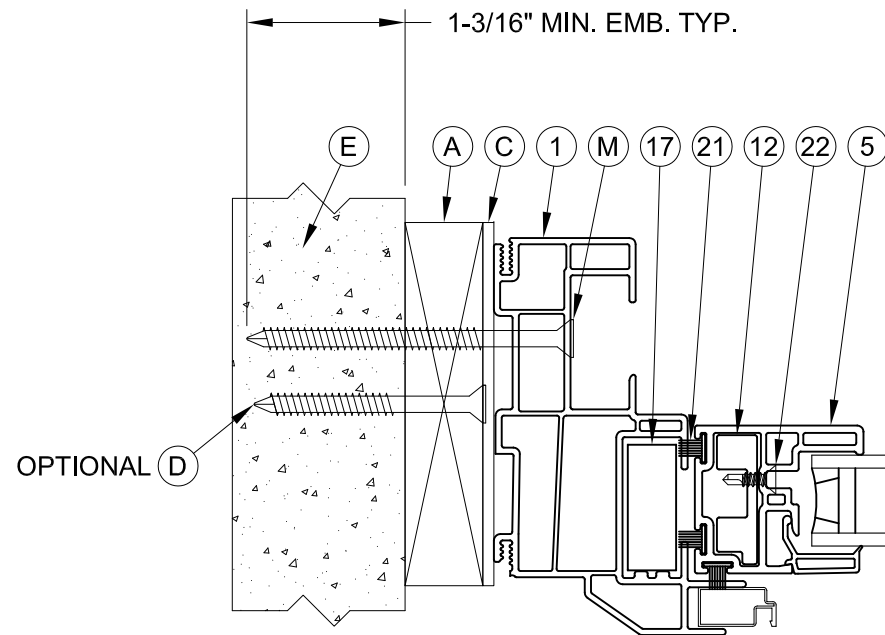
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8000 SERIES DOUBLE HUNG		GENERAL NOTES, DESIGN PRESSURES, AND ANCHORS		DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610	
BY:	EK				
REVISION:	FBC 2020 UPDATES				
DATE:	10/15/20				
#:	A				
DATE: 06/04/2020					
SCALE: NTS					
BY: E KOSS					
DRAWING # : DH8400NI - FPA					
SHEET: 1 OF 4					

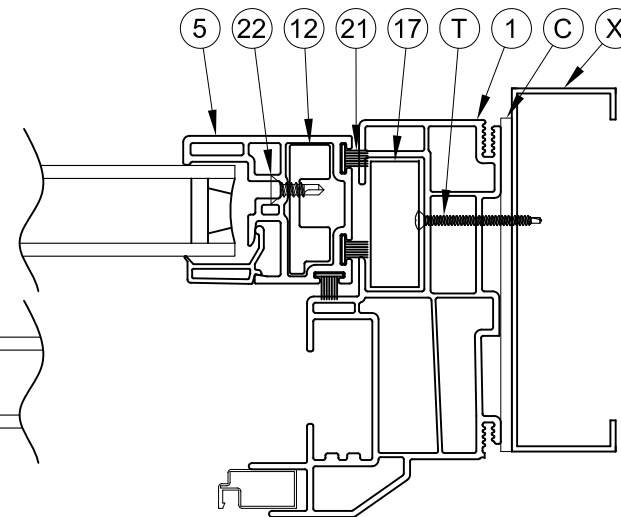


1 HORIZONTAL CROSS SECTION
2 2X BUCK CONSTRUCTION

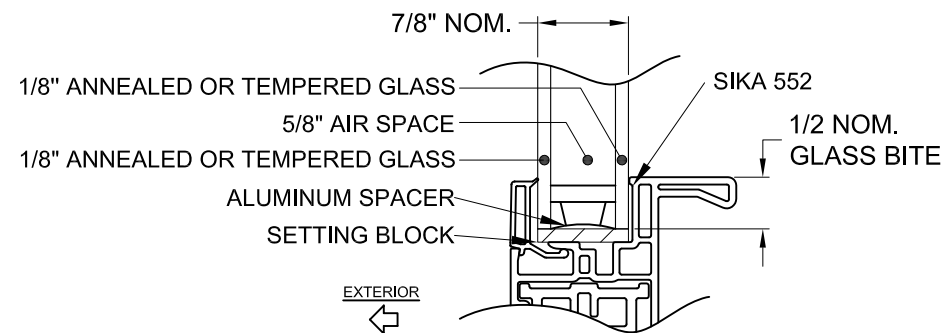
3 HORIZONTAL CROSS SECTION
2 MASONRY CONSTRUCTION
* NO SILL ANCHORS, REGARDLESS OF SUBSTRATE



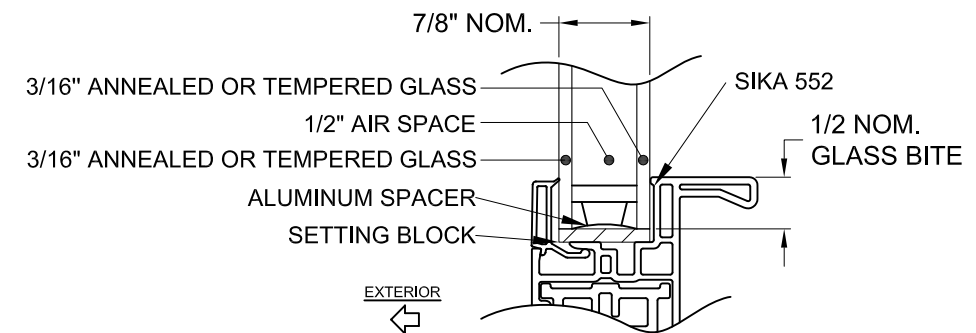
4 VERTICAL CROSS SECTION
2 1X BUCK CONSTRUCTION
SEE NOTE 1



5 VERTICAL CROSS SECTION
2 STEEL STUD CONSTRUCTION



GLAZING DETAILS



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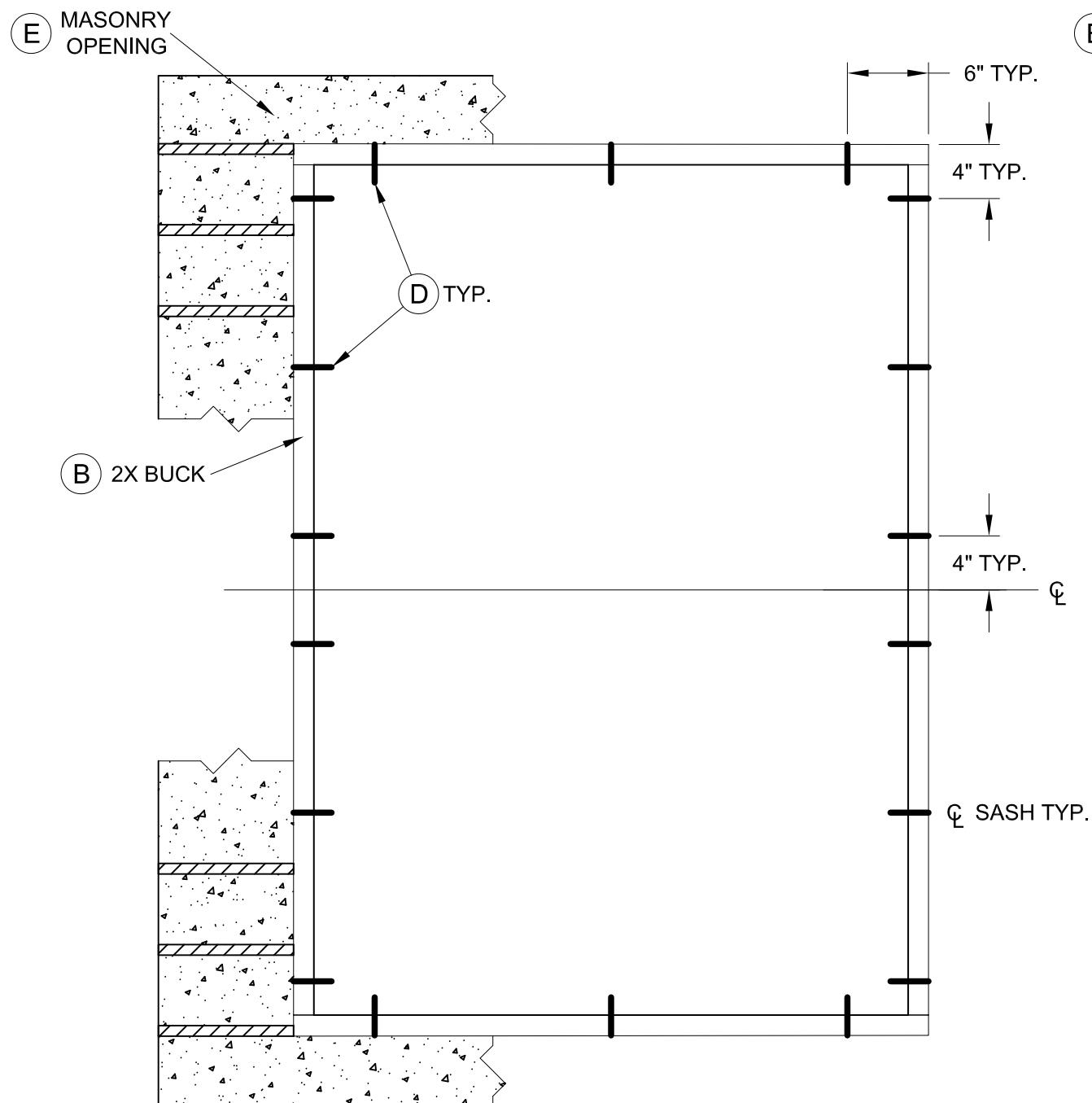
NOTES:

- 1) FOR INSTALLATION INTO 1X BUCK CONSTRUCTION, BUCK TO CONCRETE ANCHORS (IF USED) MUST BE AT LEAST 4" FROM PRODUCT INSTALLATION ANCHORS THRU 1X BUCK INTO MASONRY AND FOLLOW MASONRY ANCHOR REQUIREMENTS FROM TABLE 2. APPLIES TO ALL FRAMES.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.

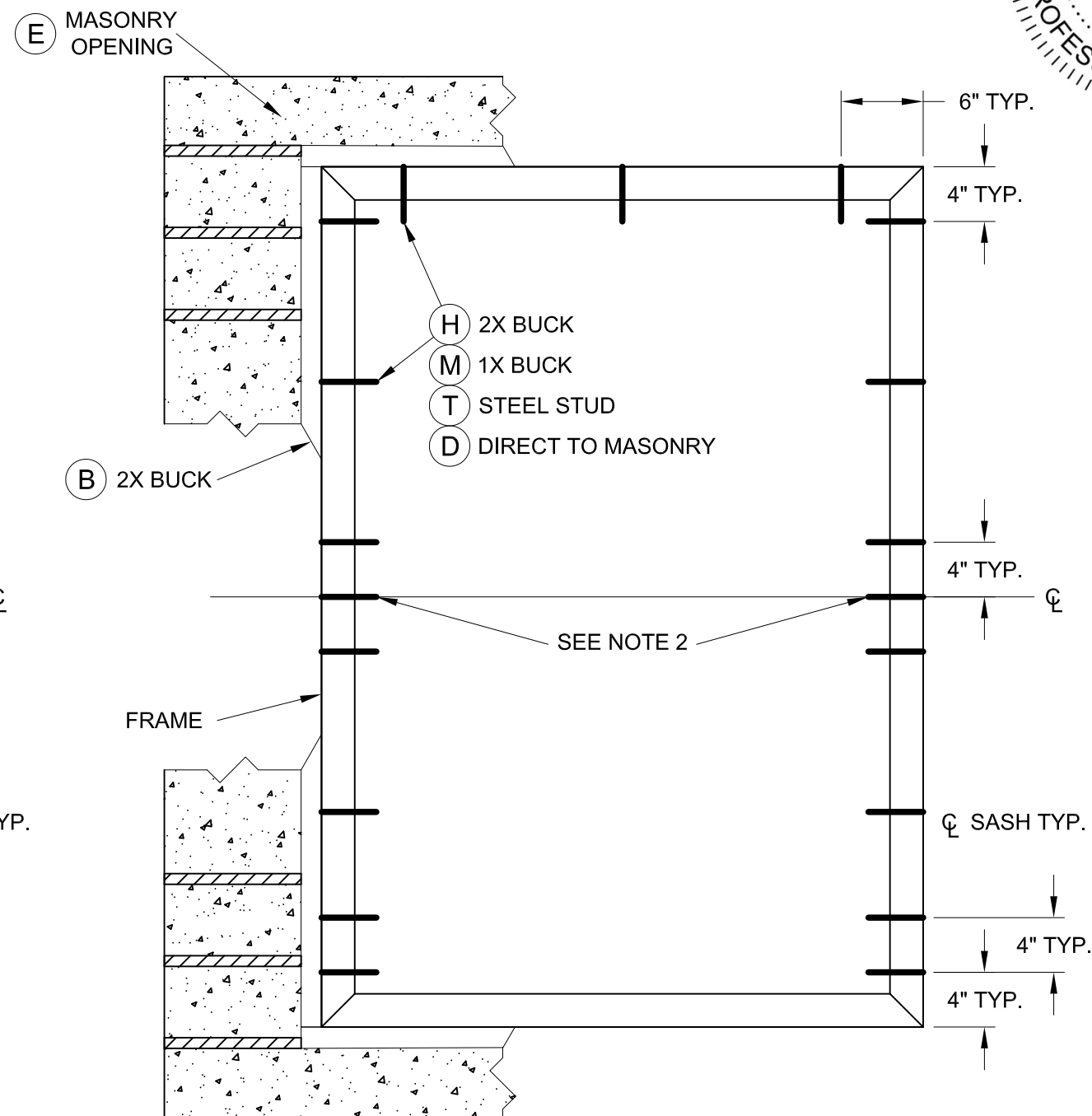
8000 SERIES DOUBLE HUNG	BY:	8000 SERIES DOUBLE HUNG
SECTION VIEWS AND GLAZING DETAILS	EK	SECTION VIEWS AND GLAZING DETAILS
DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610		DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610
	REVISION:	
	DATE:	10/15/20
	#:	A
	DATE:	06/04/2020
	SCALE:	NTS
	BY:	E KOSS
	DRAWING #:	DH8400NI - FPA
	SHEET:	2 OF 4



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BUCK ANCHORAGE DETAIL



FRAME ANCHORAGE DETAIL
NO SILL ANCHORS

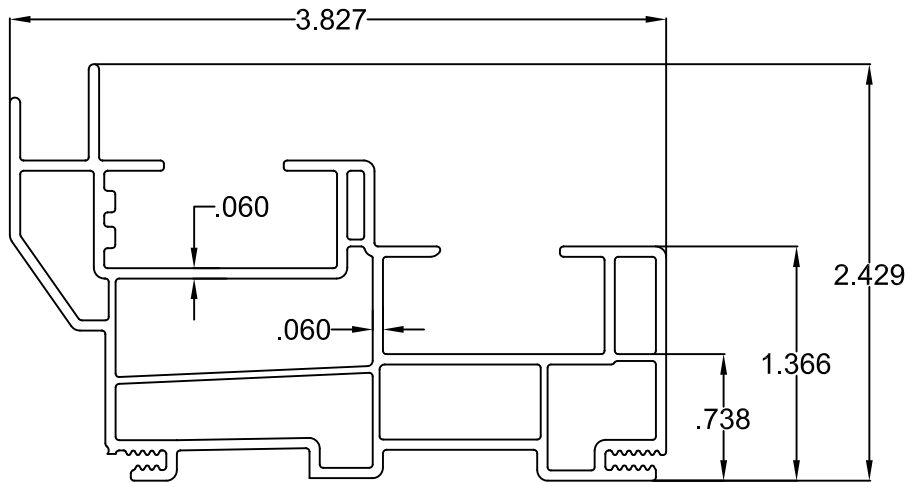
NOTES:

- 1) 1X BUCK CONSTRUCTION, BUCK TO CONCRETE ANCHORS (IF USED) MUST BE AT LEAST 4" FROM PRODUCT INSTALLATION ANCHORS THRU 1X BUCK INTO MASONRY AND FOLLOW MASONRY ANCHOR REQUIREMENTS FROM TABLE 2.
- 2) ANCHOR THRU TILT LATCH INTO SUBSTRATE USING SIMILAR FLAT HEAD ANCHOR.

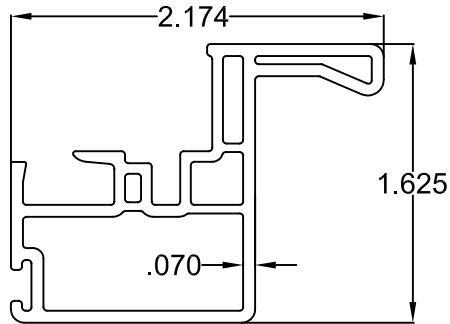
BY:	8000 SERIES DOUBLE HUNG	DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610
REVISION:	2X BUCK AND FRAME ANCHORAGE	
DATE:	10/15/20	
#:	A	
DATE:	06/04/2020	
SCALE:	1:4	
BY:	E KOSS	
DRAWING #:	DH8400NI - FPA	
SHEET:	3 OF 4	

BILL OF MATERIALS

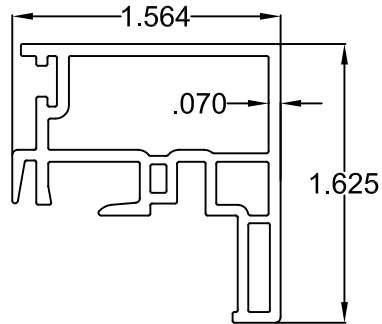
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG>=0.42)	WOOD
B	2X BUCK (SG>=0.42)	WOOD
C	1/4" MAX SHIM SPACE	-
D	1/4" X 2-3/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	#10 X 2-1/2" PPH SMS	STEEL
M	1/4" X 3-1/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
T	#10-16 PH SELF-DRILLING SMS (3 THREADS MIN. THRU STUD)	STEEL
X	STEEL STUD MIN THICKNESS 0.0346" (ASTM A1003 GRADE 33, FY=50 KSI MIN., FU=65 KSI MIN.)	STEEL
1	FRAME	PVC
2	LIFT RAIL (UPPER SASH TOP RAIL / LOWER SASH BTM RAIL)	PVC
3	LOCK RAIL (LOWER SASH TOP RAIL)	PVC
4	KEEPER RAIL (UPPER SASH BTM RAIL)	PVC
5	SASH STILE	PVC
6	HEAD ADAPTOR	PVC
7	SILL ADAPTOR (RISER)	PVC
8	SILL CAP	PVC
9	GLAZING BEAD	PVC
10	REINFORCEMENT (KEEPER RAIL / LOWER SASH BTM RAIL)	ALUM
11	REINFORCEMENT (LOCK RAIL / UPPER SASH TOP RAIL)	ALUM
12	REINFORCEMENT (SASH STILES)	ALUM
13	TILT LATCH	STEEL
14	PIVOT BAR	
15	LOCK	ZINC
16	KEEPER	ZINC
17	COIL BALANCER	
18	WEEP COVER	NYLON
19	SCREEN	
20	WTSP, .187" x .270" POLYFIN	
21	WTSP, .270" X .250" POLYFIN	
22	#6 x 1/2" PFH (REINFORCEMENT)	
23	#6 x 3/4" PFH (KEEPER)	
24	#6 x 1-1/4" PFH (LOCK)	
25	#8 x 1/2" PTRUSS	



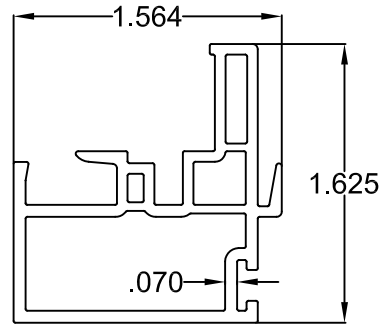
① FRAME



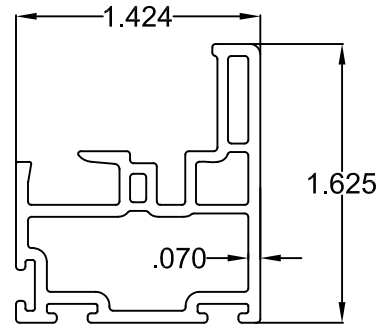
② LIFT RAIL



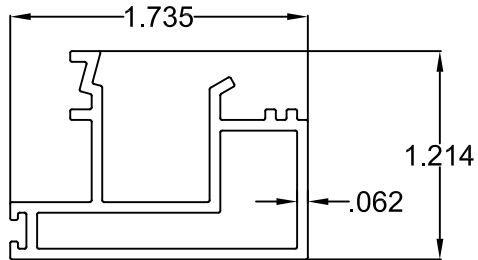
③ LOCK RAIL



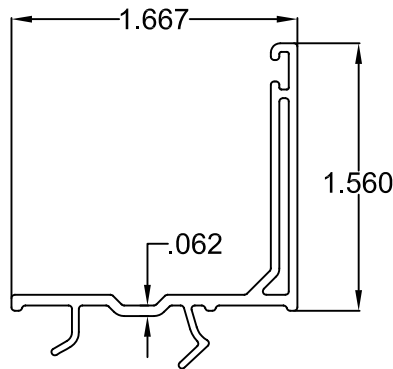
④ KEEPER RAIL



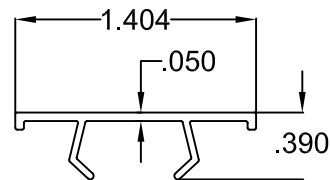
⑤ SASH STILE



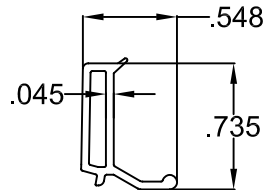
⑥ HEAD ADAPTOR



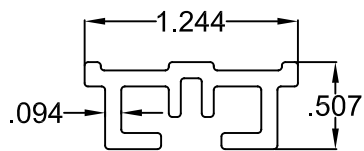
⑦ SILL ADAPTOR (RISER)



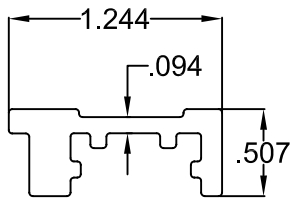
⑧ SILL CAP



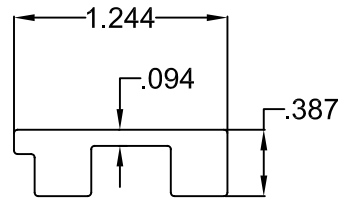
⑨ GLAZING BEAD



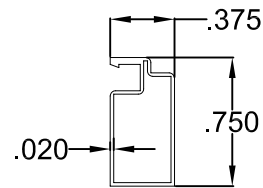
⑩ REINFORCEMENT (KEEPER / BTM RAIL)



⑪ REINFORCEMENT (LOCK / TOP RAIL)



⑫ REINFORCEMENT (STILES)



⑲ SCREEN

THE APPROVED WHITE, RIGID PVC EXTERIOR EXTRUSIONS FOR DOORS ARE TO BE PRODUCED BY EXTRUDERS' LICENSEES UNDER "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



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8000 SERIES DOUBLE HUNG

EXTRUSIONS / BILL OF MATERIALS

DOERS WINDOW MANUFACTURING, LLC.
10741 CROSSROADS COMMERCE BLVD.
TAMPA, FL 33610

BY:

EK

REVISION:

FBC 2020 UPDATES

DATE:

10/15/20

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A

DATE: 06/04/2020

SCALE: 10:1

BY: E KOSS

DRAWING # :
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SHEET: 4 OF 4