



1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
2. WHEN INSTALLED IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ), HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED.
3. WHEN INSTALLED IN THE WIND-BORNE DEBRIS REGION, HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPAQUE DOORS, BUT IS REQUIRED ON GLAZED SIDELITES.

TEST DESCRIPTION	DESIGNATION	FACING	LITE FRAME
SELF IGNITION TEMP	ASTM D1929	752 °F > 650 °F	740 °F > 650 °F
RATE OF BURNING	ASTM D635	0.56 IN/MIN	0.77 IN/MIN
SMOKE DENSITY	ASTM D2843	53.4%	13.4%
TENSILE STRENGTH*	ASTM D638	3.2% DIFF	7.1% DIFF

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	779 °F > 650 °F
RATE OF BURNING	ASTM D635	0.0 IN/MIN
SMOKE DENSITY	ASTM D2843	39.0%
TENSILE STRENGTH*	ASTM D638	3.6% DIFF

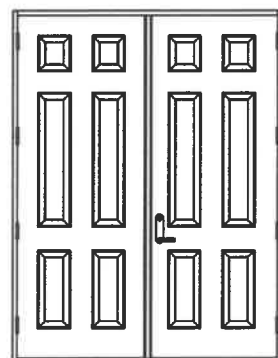
Technical drawing of a double door assembly. The drawing shows a front view of two doors with a central mullion. The left door has a large vertical glass panel on the left and a grid of six small square glass panels on the right. The right door has a large vertical glass panel on the right and a grid of six small square glass panels on the left. A handle is shown on the right door. Dimensions are indicated with arrows and text:

- 149" MAX. OVERALL FRAME WIDTH
- 21" MAX D.L.O. (Distance to Left Opening)
- 36.375" MAX. PANEL WIDTH W/ASTRAGAL
- 37.5" MAX. FRAME WIDTH
- 79" MAX D.L.O. (Distance to Left Opening)
- MAX. FRAME HEIGHT 97.875"

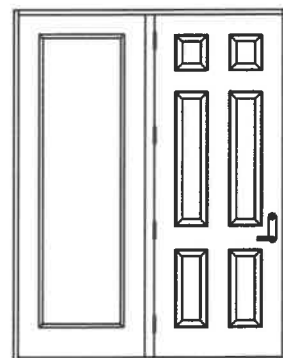
DOUBLE DOOR UNIT W/SIDELITES



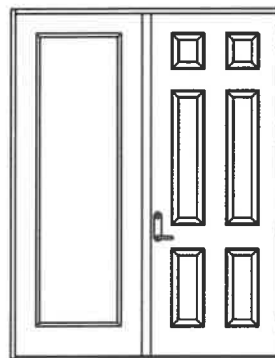
SINGLE DOOR UNIT



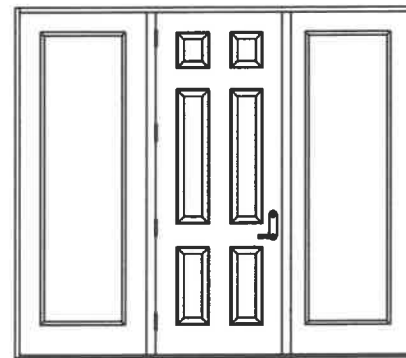
DOUBLE DOOR UNIT



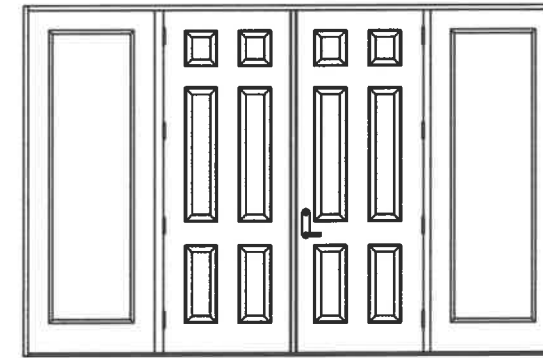
SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT W/SIDELITES



DOUBLE DOOR UNIT W/SIDELITES

		DESIGN PRESSURE RATING (1:1 OVERHANG OR WHERE NO WATER REQUIRED)		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE					
CONFIG	MAX WIDTH	INSWING	OUTSWING	BUMPER O/S	Z-SERIES O/S	T4 O/S	HIGH DAM O/S		
X	37.5"	+40.0 / -45.0	+45.0 / -45.0	+25.0 / -25.0	+40.0 / -40.0	+45.0 / -45.0	+45.0 / -45.0	-45.0	
XX	74"	+40.0 / -45.0	+45.0 / -45.0	+25.0 / -25.0	+40.0 / -40.0	+45.0 / -45.0	+45.0 / -45.0	-45.0	
OX or XO	75"	+40.0 / -45.0	+45.0 / -45.0	+25.0 / -25.0	+40.0 / -40.0	+45.0 / -45.0	+45.0 / -45.0	-45.0	
OXO	112.5"	+40.0 / -45.0	+45.0 / -45.0	+25.0 / -25.0	+40.0 / -40.0	+45.0 / -45.0	+45.0 / -45.0	-45.0	
OXXO	149"	+40.0 / -45.0	+45.0 / -45.0	+25.0 / -25.0	+40.0 / -40.0	+45.0 / -45.0	+45.0 / -45.0	-45.0	

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS
4	ANCHORING LOCATIONS & DETAILS

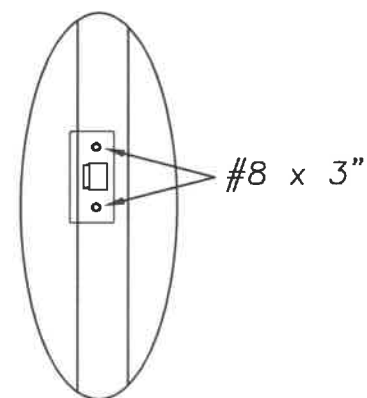
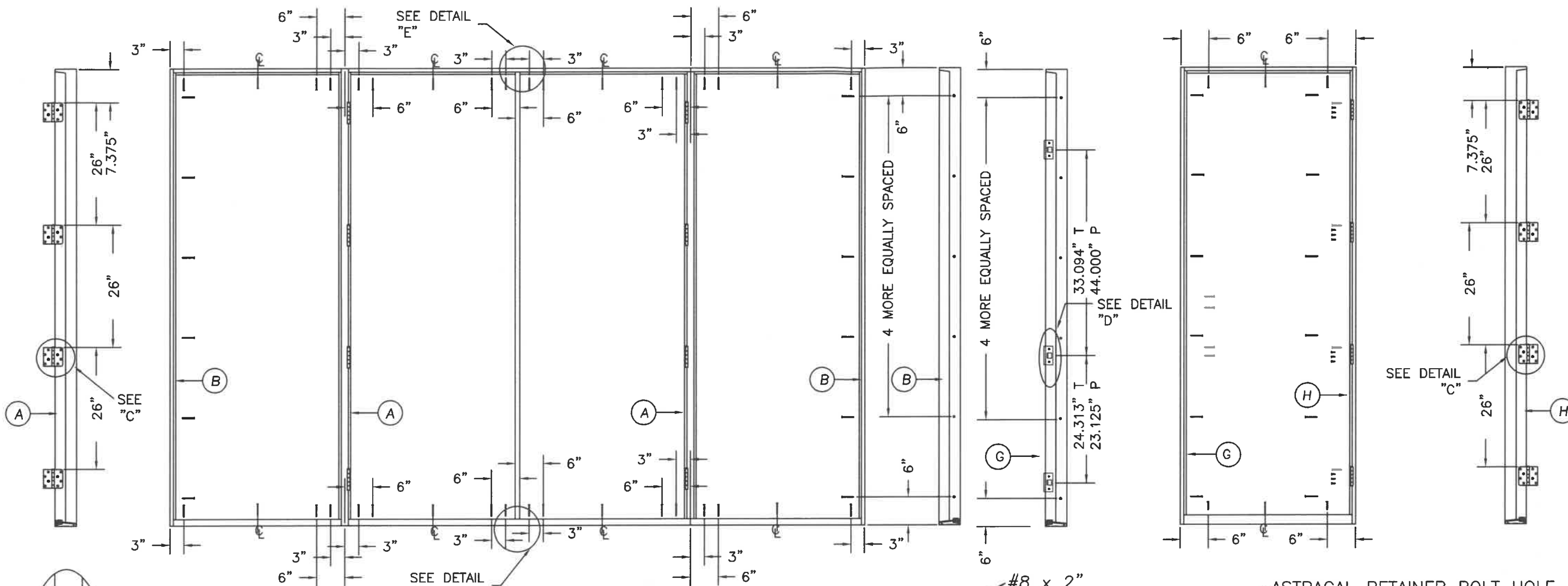
12-1-2023
Kot L. Bhaty
STATE OF
FLORIDA

KURT BALTHAZOR
FLORIDA P.E.
#56533

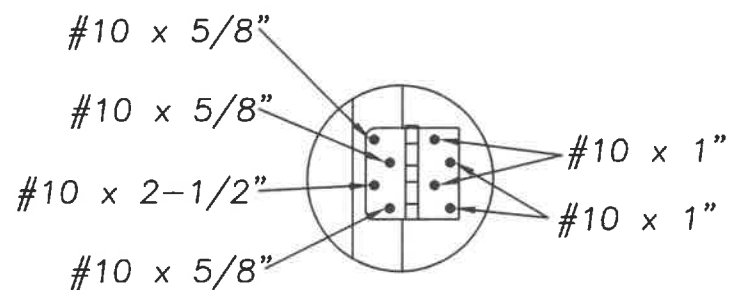
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DATE:	7/18/20
SCALE:	N.T.S.
DWG. BY:	SWS
CHK. BY:	
DRAWING NO.:	
DWG-MA-FL0198-20	
SHEET	1 OF 4

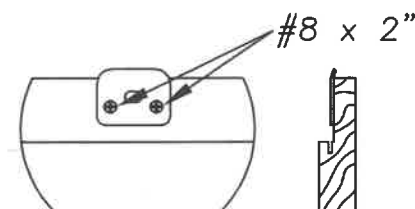
MASONITE INTERNATIONAL CORP.
1955 POWIS ROAD
WEST CHICAGO, IL 60185



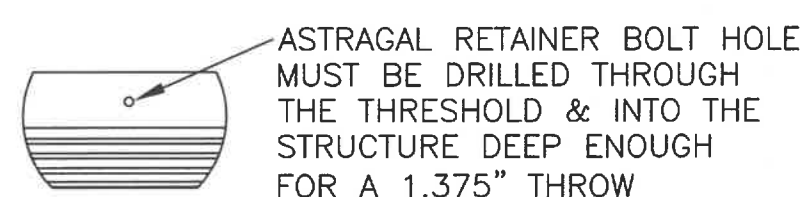
DETAIL "D"



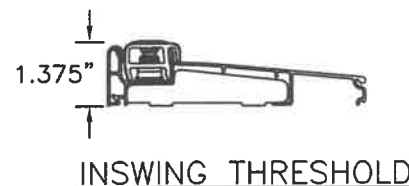
DETAIL "C"



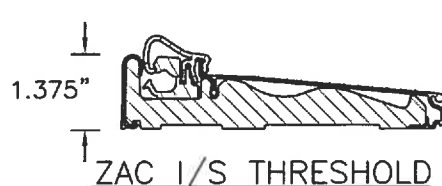
DETAIL "E" ASTRAGAL
ATTACH ASTRAGAL RETAINER BOLT
STRIKE PLATE TO FRAME
AS SHOWN.



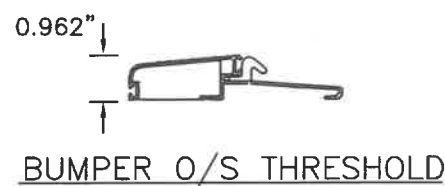
DETAIL "F" ASTRAGAL



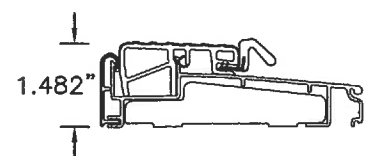
INSWING THRESHOLD



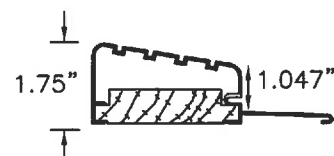
ZAC I/S THRESHOLD



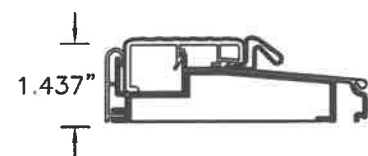
BUMPER O/S THRESHOLD



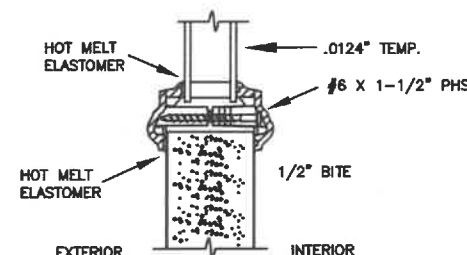
Z-SERIES O/S THRESHOLD



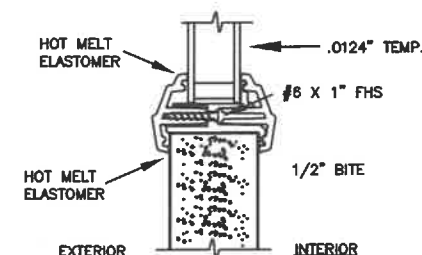
HIGH DAM O/S THRESHOLD



T4 O/S THRESHOLD

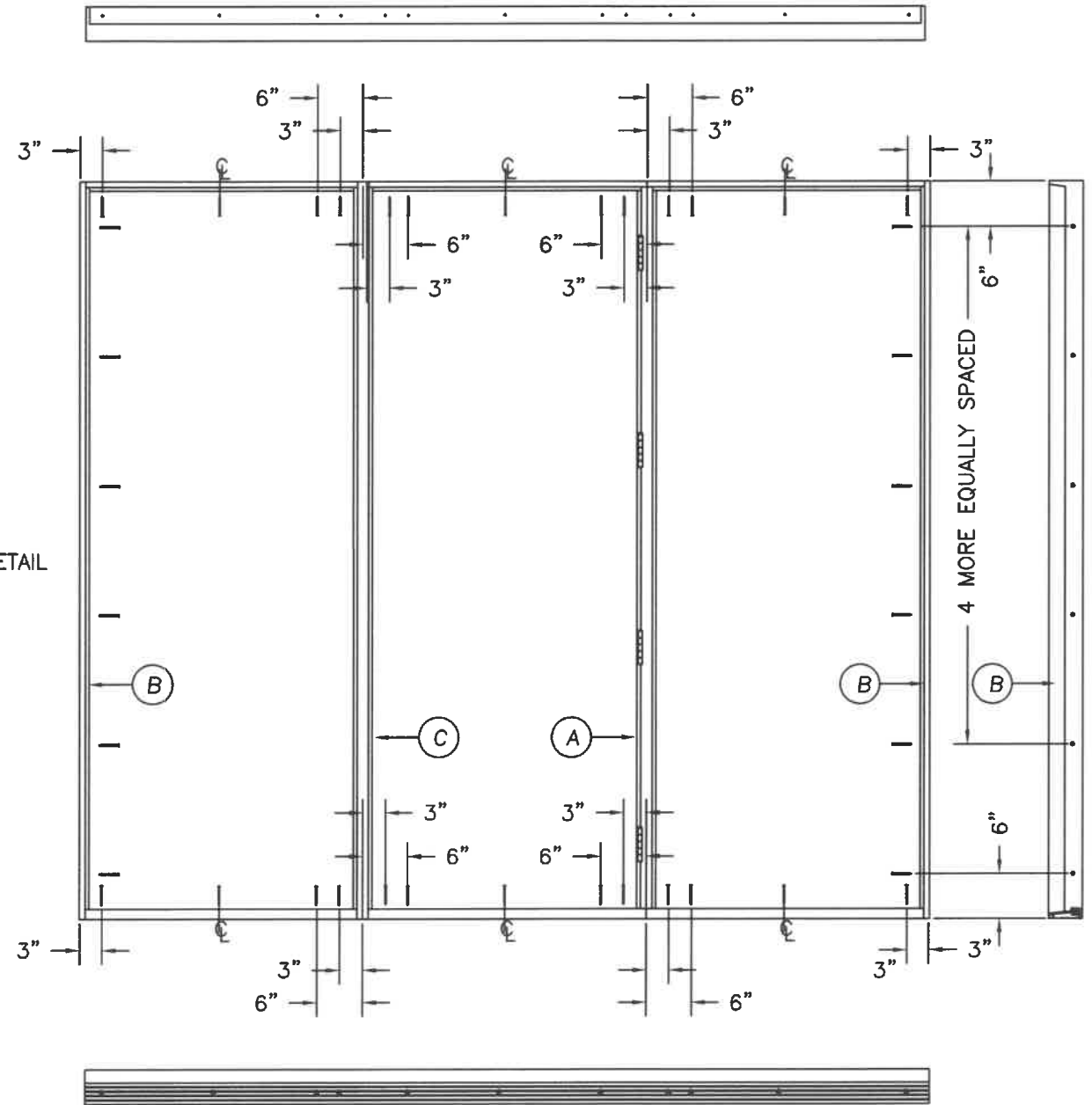
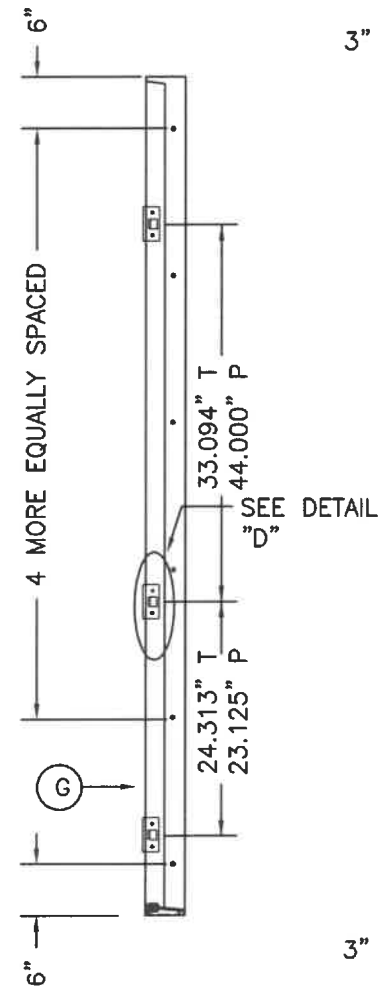
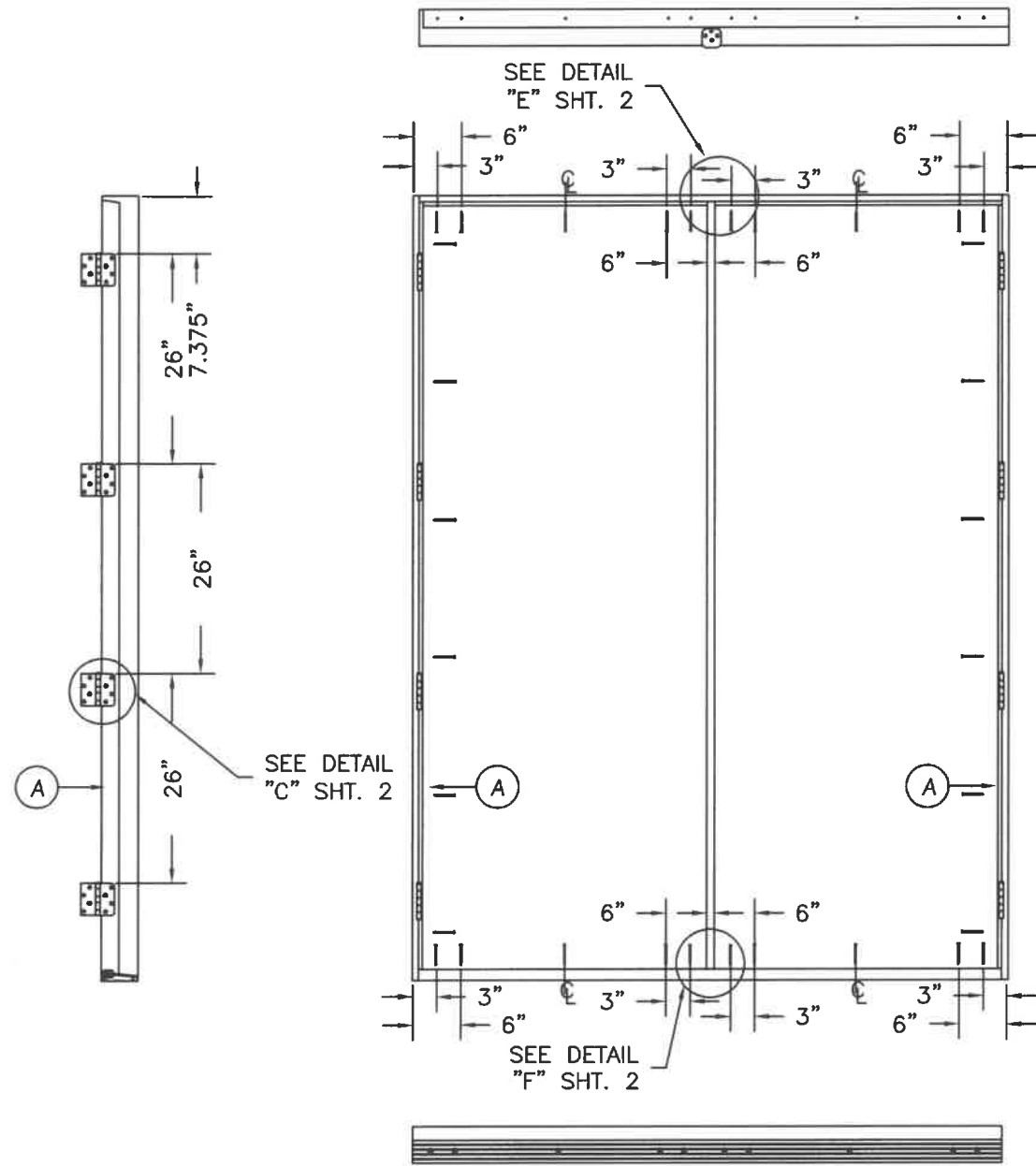


EXTERIOR INTERIOR
TYPICAL GLAZING DETAIL
NON-IMPACT GLASS
MAX GLASS SIZES COMPLY WITH ASTM E1300
FOR DESIGN PRESSURES LISTED ON PAGE 1



EXTERIOR INTERIOR
ALTERNATE GLAZING DETAIL
NON-IMPACT GLASS
MAX GLASS SIZES COMPLY WITH ASTM E1300
FOR DESIGN PRESSURES LISTED ON PAGE 1

PRODUCT:		"EXTERIOR DOOR PRODUCT" 8'0" FIBERGLASS OPAQUE DOUBLE DOOR UNIT	
PART OR ASSEMBLY:		ANCHORING LOCATIONS & DETAILS	

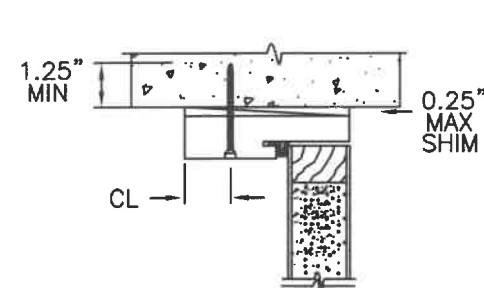


MASONITE INTERNATIONAL CORP.
1955 POWIS RD.
WEST CHICAGO, IL 60185

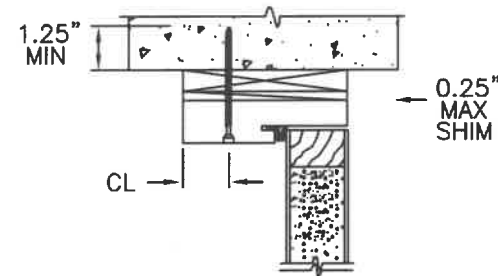
PRODUCT:
"EXTERIOR DOOR PRODUCT"
8'0 FIBERGLASS OPAQUE
DOUBLE DOOR UNIT
PART OR ASSEMBLY:
ANCHORING LOCATIONS
& DETAILS

NO.	DATE	REVISIONS	
		ADDED PANOLOCK	SW
A	11/21/23		BY

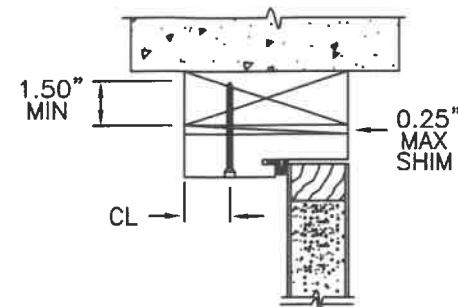
DATE: 7/18/20
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.:
DWG-MA-FL0198-20
SHEET 3 OF 4



TYPICAL MASONRY ANCHOR INSTALLATION



1X BUCK MASONRY
ANCHOR INSTALLATION



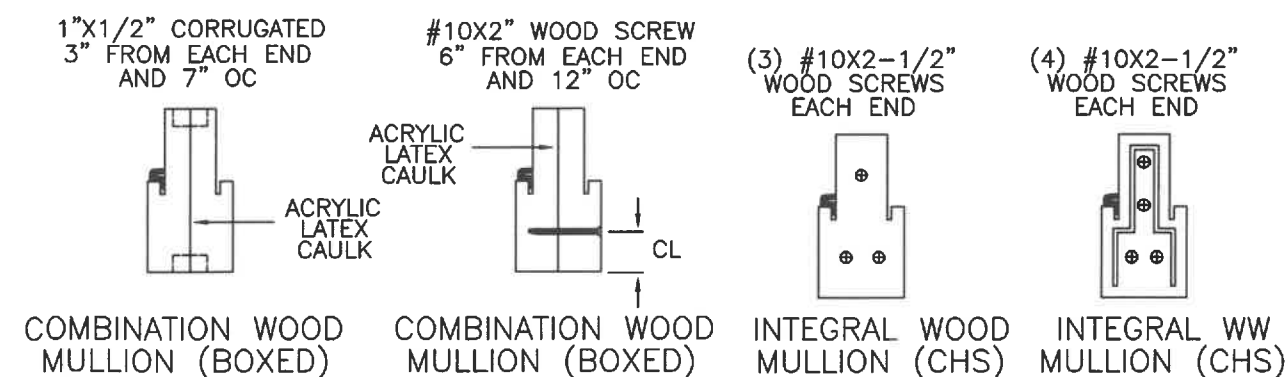
TYPICAL WOOD BUCK ANCHOR INSTALLATION

ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY ROBERTO LOMAS, PE (FLORIDA #62514) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS, 1/4" TAPCONS, AND #10 TEK SCREWS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION. TAPCON EDGE DISTANCE MIN 2-1/2". WOOD SCREW EDGE DISTANCE MIN 3/4". TEK SCREW EDGE DISTANCE MIN 1/2".
2. ANCHORING INTO STEEL STRUCTURE MUST BE SUFFICIENT TO ACHIEVE 3 THREADS MINIMUM BEYOND STEEL INTERIOR SURFACE.
3. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
4. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
5. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 155 LBS.

HARDWARE SCHEDULE

- | | |
|----|---|
| 1. | ENDURA PANOLOCK OR TRILENNIUM MULTIPOINT LOCKING
HARDWARE FACTORY INSTALLED. |
| 2. | 4" X 4" FULL MORTISE BUTT HINGES. |



MASONITE INTERNATIONAL CORP.
1955 POWIS RD.
WEST CHICAGO, IL 60185

PRODUCT:
"EXTERIOR DOOR PRODUCT"
8'0" FIBERGLASS OPAQUE
DOUBLE DOOR UNIT

A	11/21/23	ADDED PANOLOCK	SWS		
NO.	DATE		BY		
REVISIONS					

DATE:	7/18/20
SCALE:	N.T.S.
DWG. BY:	SWS
CHK. BY:	
DRAWING NO.:	
DWG-MA-FL0198-20	
SHEET	4 OF 4