



STORMGUARD FIBERGLASS DOOR UNIT 8'-0" DOUBLE DOOR WITH / WITHOUT SIDELITES

GENERAL NOTES

- 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.
- THIS PRODUCT DOES NOT REQUIRE THE USE OF A HURRICANE PROTECTIVE SYSTEM (SHUTTERS).
- POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84.

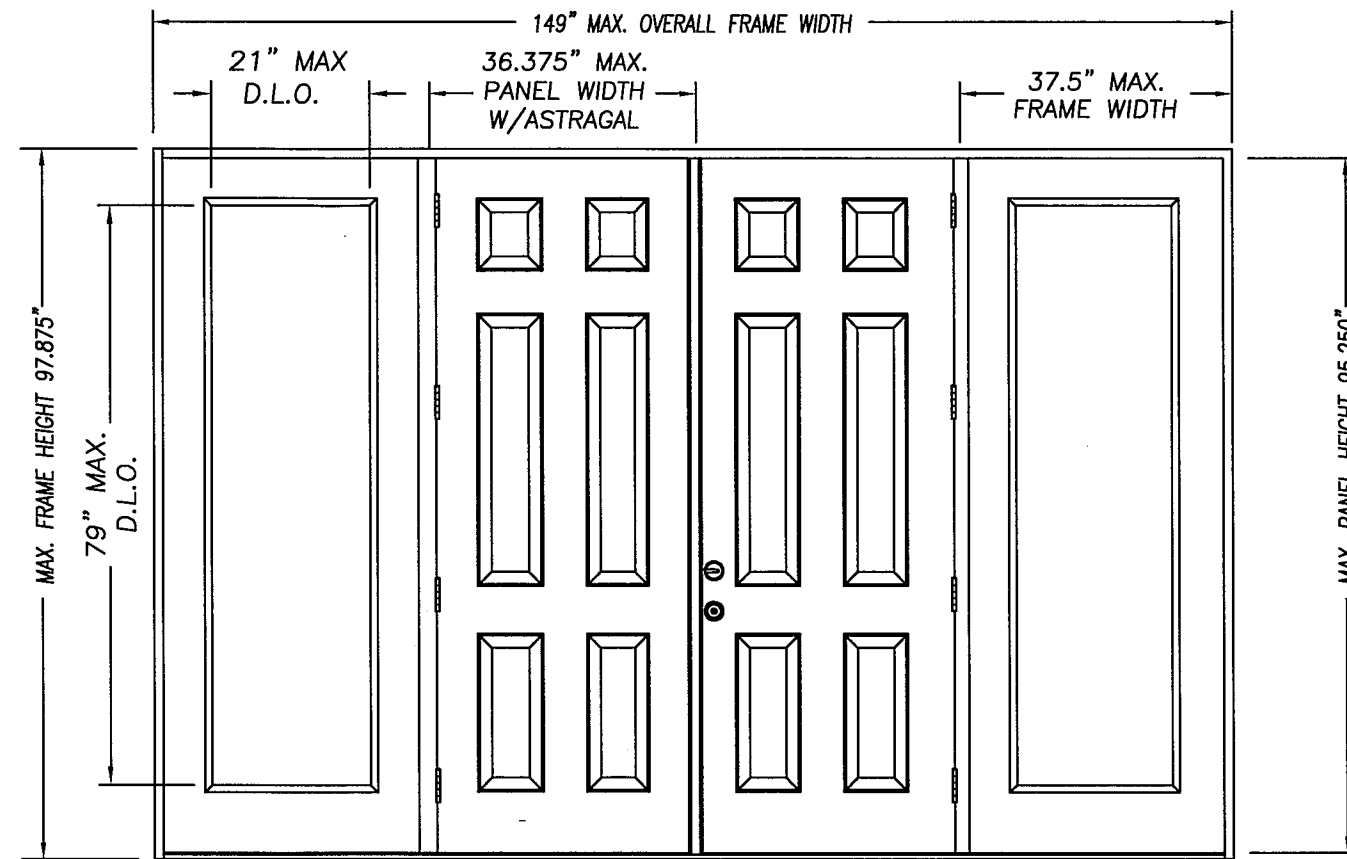
4. PLASTICS TESTING:

TEST DESCRIPTION	DESIGNATION	FACING	LITE FRAME
SELF IGNITION TEMP	ASTM D1929	752 °F > 650 °F	842 °F > 650 °F
RATE OF BURNING	ASTM D635	0.56 IN/MIN	1.28 IN/MIN
SMOKE DENSITY	ASTM D2843	53.4%	70.2%
TENSILE STRENGTH*	ASTM D638	3.2% DIFF	1.8% DIFF

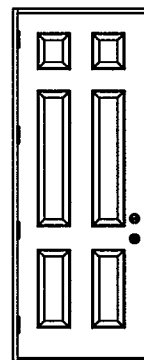
5. PLASTICS TESTING OF WORLDWIDE COMPOSITE FRAME (WHERE USED):

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

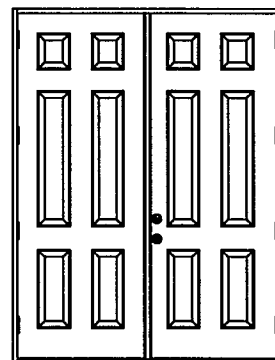
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING
4500 HOURS XENON ARC METHOD 1



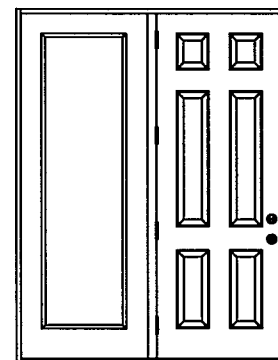
DOUBLE DOOR UNIT W/SIDELITES



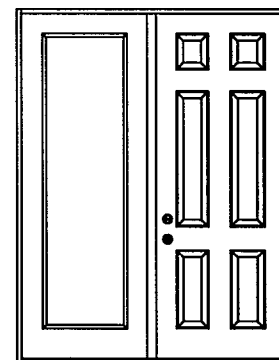
SINGLE DOOR UNIT



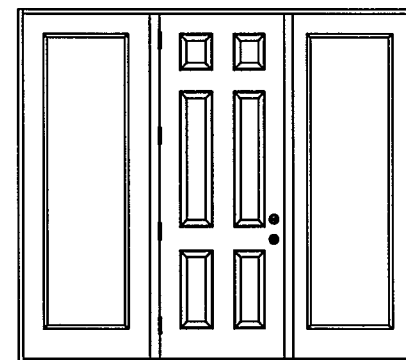
DOUBLE DOOR UNIT



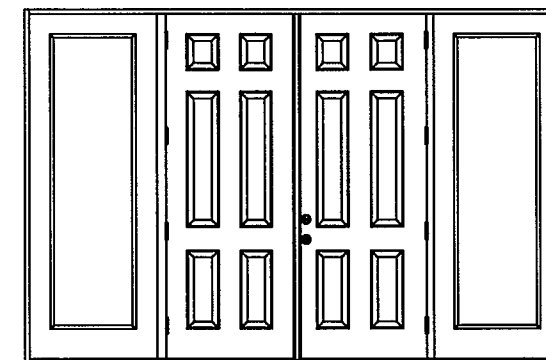
SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT
WITH SIDELITE



SINGLE DOOR UNIT W/SIDELITES



DOUBLE DOOR UNIT W/SIDELITES

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING (WHERE NO WATER REQUIRED)		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE					
		INSWING	OUTSWING	BUMPER O/S	Z-SERIES O/S	HPB O/S	T4 O/S	HIGH DAM O/S	
X	37.5"	+60.0 / -65.0	+60.0 / -60.0	+25.0 / -60.0	+40.0 / -60.0	+60.0 / -60.0	+60.0 / -60.0	+60.0 / -60.0	
XX	74"	+50.0 / -50.5	+55.0 / -50.5	+25.0 / -50.5	+40.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	
OX or XO	75"	+50.5 / -50.5	+55.0 / -50.5	+25.0 / -50.5	+40.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	
OXO	112.5"	+50.5 / -50.5	+55.0 / -50.5	+25.0 / -50.5	+40.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	+55.0 / -50.5	
OXXO	149"	+50.0 / -50.5	+55.0 / -50.5	+25.0 / -50.5	+40.0 / -50.5	N/A	+55.0 / -50.5	+55.0 / -50.5	

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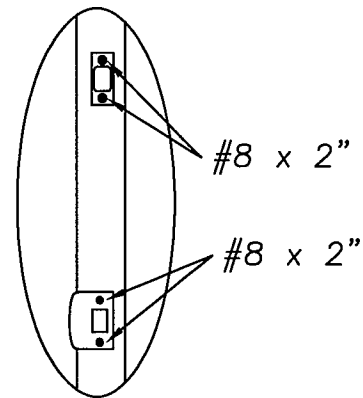
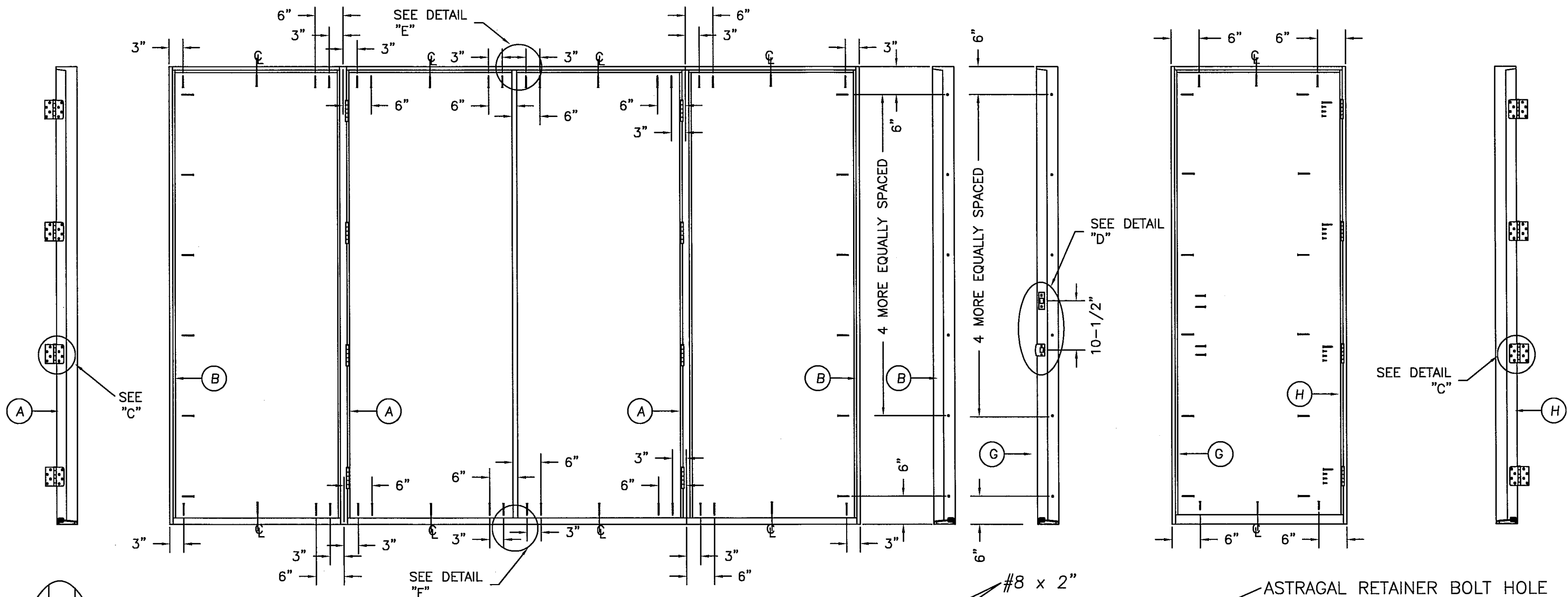
MASONITE INTERNATIONAL CORP.
1955 POWIS ROAD
WEST CHICAGO, IL 60185

PRODUCT:
"EXTERIOR DOOR PRODUCT"
DOUBLE 8'0" OPAQUE
FIBERGLASS DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATIONS
& GENERAL NOTES

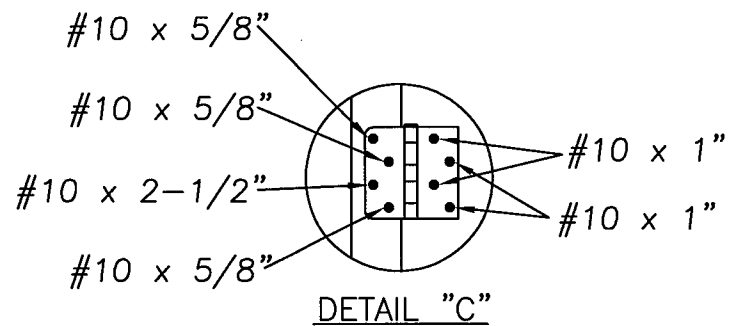
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H	G	F	E	D	C												
REVISIONS																	
DATE																	
NO.																	

DATE:	4/9/07
SCALE:	N.T.S.
DWG. BY:	SWS
CHK. BY:	
DRAWING NO.:	
DWG--MA--FL0171--07	
SHEET	1 OF 4

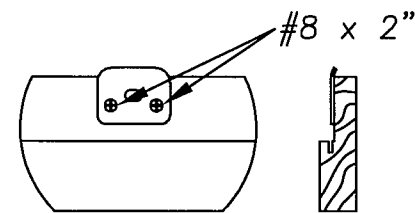
KURT BALHAZOR
FLORIDA P.E.
#56533



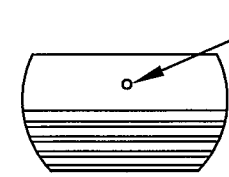
DETAIL "D"



DETAIL "C"

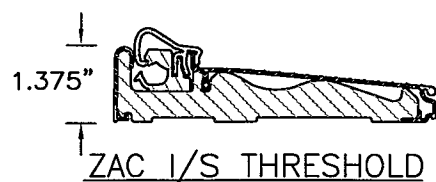


DETAIL "E" ASTRAGAL
ATTACH ASTRAGAL RETAINER BOLT
STRIKE PLATE TO FRAME
AS SHOWN.

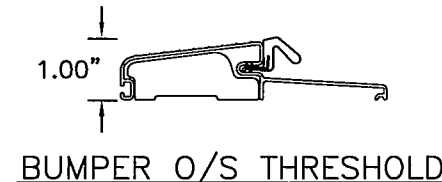


DETAIL "F" ASTRAGAL

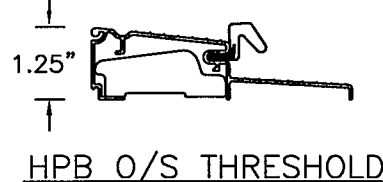
ASTRAGAL RETAINER BOLT HOLE
MUST BE DRILLED THROUGH
THE THRESHOLD & INTO THE
STRUCTURE DEEP ENOUGH
FOR A 1.375" THROW



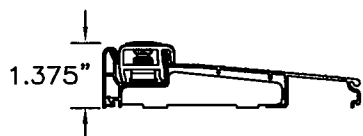
ZAC I/S THRESHOLD



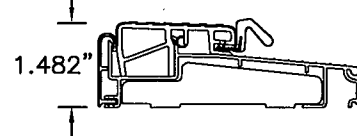
BUMPER O/S THRESHOLD



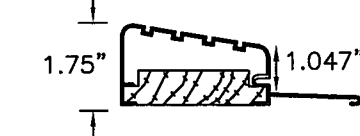
HPB O/S THRESHOLD



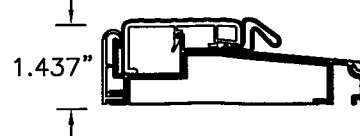
INSWING THRESHOLD



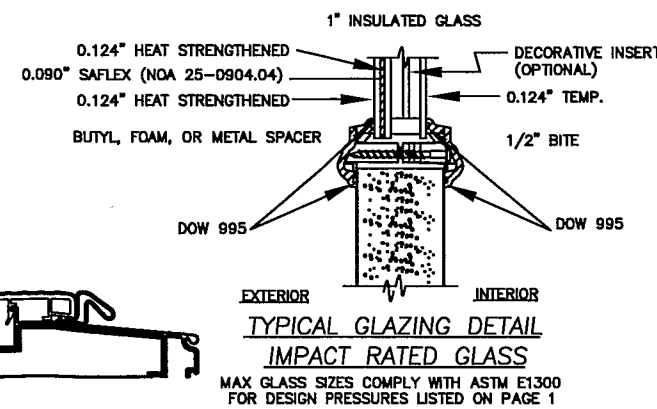
Z-SERIES O/S THRESHOLD



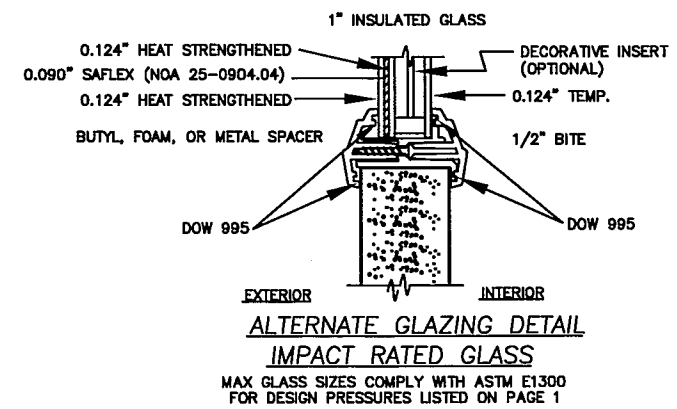
HIGH DAM O/S THRESHOLD



T4 O/S THRESHOLD



TYPICAL GLAZING DETAIL
IMPACT RATED GLASS
MAX GLASS SIZES COMPLY WITH ASTM E1300
FOR DESIGN PRESSURES LISTED ON PAGE 1



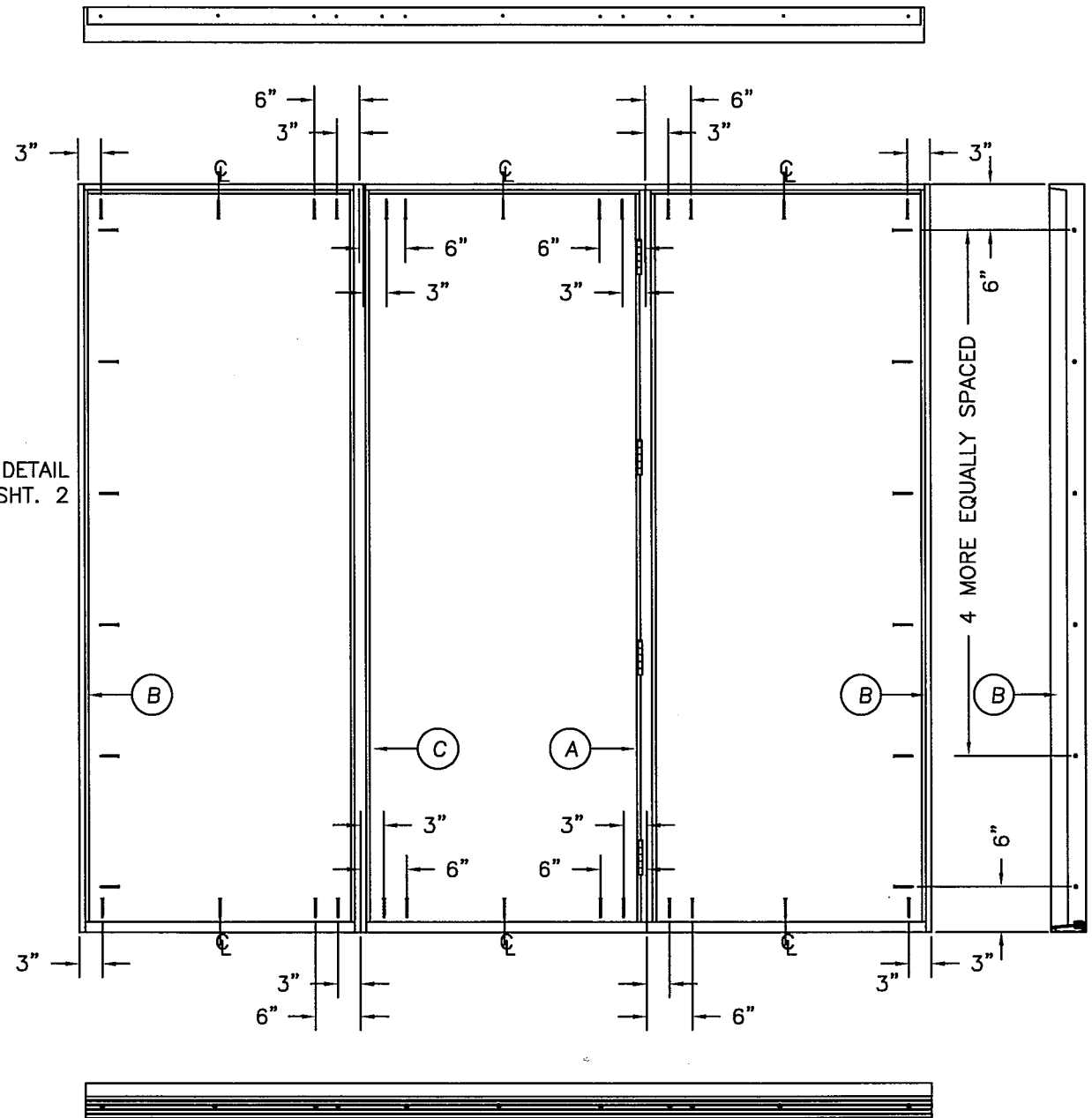
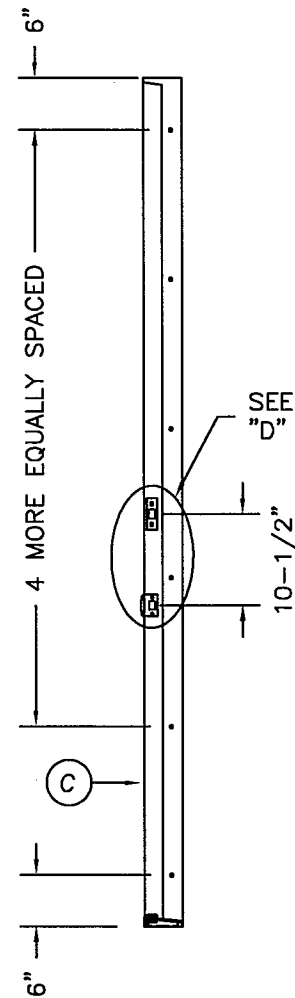
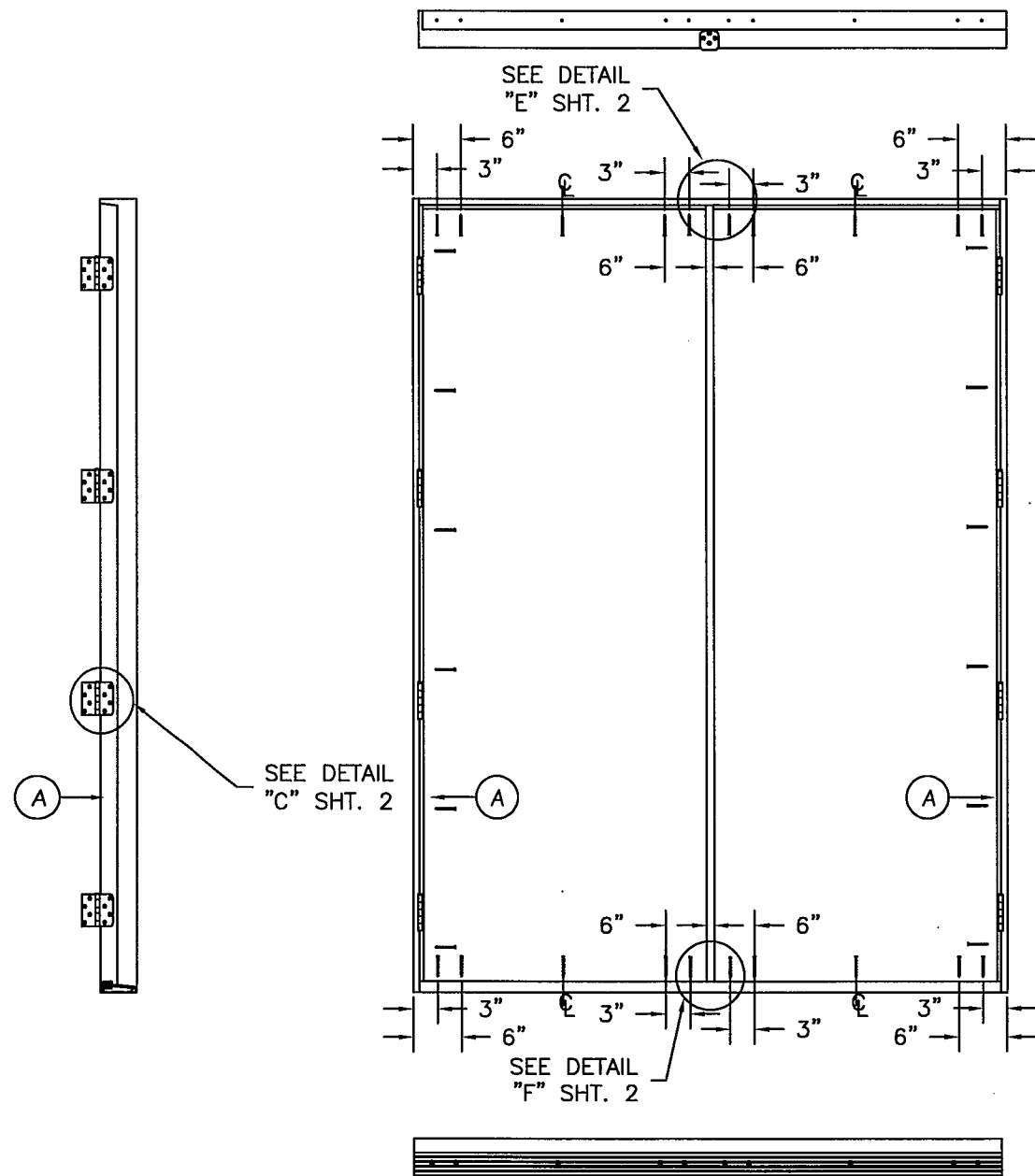
ALTERNATE GLAZING DETAIL
IMPACT RATED GLASS
MAX GLASS SIZES COMPLY WITH ASTM E1300
FOR DESIGN PRESSURES LISTED ON PAGE 1

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

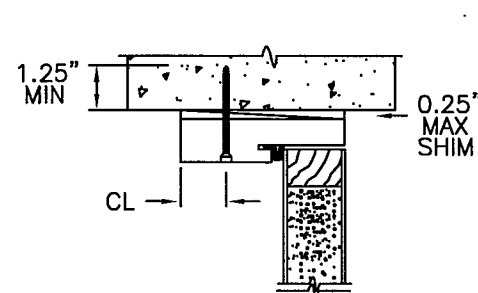
PRODUCT:
"EXTERIOR DOOR PRODUCT"
8'0" FIBERGLASS OPAQUE
DOUBLE DOOR UNIT
PART OR ASSEMBLY:
ANCHORING LOCATIONS
& DETAILS

DATE	NO.	BY	REVISIONS
5/27/26	ADDED THRESHOLD	SWS	
7/1/25	CORRECTIONS	SWS	
11/21/23	INNERLAYER NOA	SWS	
7/18/20	INNERLAYER NOA	SWS	
10/27/17	ADDED T4	SWS	
4/26/17	VARIOUS UPDATES	SWS	

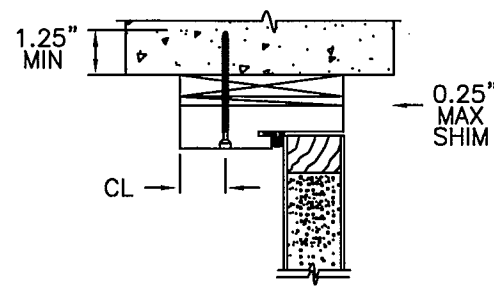
DATE: 4/9/07
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.:
DWG-MA-FL0171-07
SHEET 2 OF 4



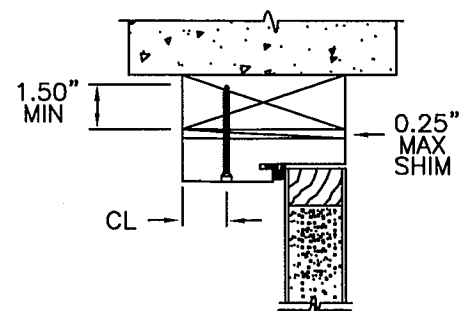
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NO.		DATE		BY		REVISIONS		PRODUCT:		PART OR ASSEMBLY:	
H	5/27/26	ADDED THRESHOLD	SWS	"EXTERIOR DOOR PRODUCT"		ANCHORING LOCATIONS & DETAILS		8'0" FIBERGLASS OPAQUE DOUBLE DOOR UNIT		MASONITE INTERNATIONAL CORP.	
G	7/1/25	CORRECTIONS	SWS	1955 POWIS RD.		WEST CHICAGO, IL 60185					
F	11/21/23	INNERLAYER NOA	SWS								
E	7/18/20	INNERLAYER NOA	SWS								
D	10/27/17	ADDED T4	SWS								
C	4/26/17	VARIOUS UPDATES	SWS								



TYPICAL MASONRY
ANCHOR INSTALLATION



1X BUCK MASONRY
ANCHOR INSTALLATION



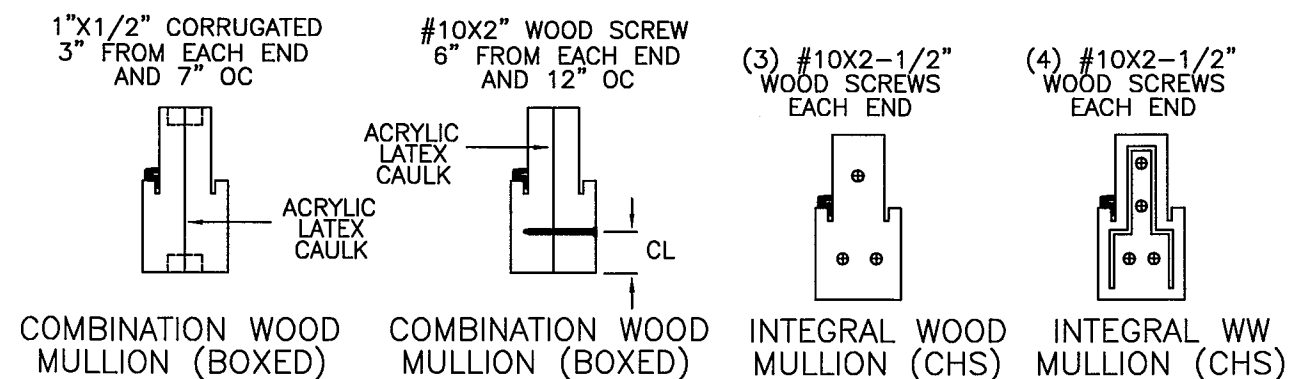
TYPICAL WOOD BUCK
ANCHOR INSTALLATION

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.
6. FASTENER CORROSION RESISTANCE PER THE FLORIDA BUILDING CODE.

HARDWARE SCHEDULE

- | | |
|----|--|
| 1. | KWIKSET SERIES 400 GRADE 3 CYLINDRICAL LATCH AND SERIES 980 GRADE 1 DEADLOCK HARDWARE TO BE INSTALLED AT 10-1/2" CENTERLINE. |
| 2. | 4" X 4" FULL MORTISE BUTT HINGES. |



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

PRODUCT:		PART OR ASSEMBLY:	
"EXTERIOR DOOR PRODUCT"		ANCHORING LOCATIONS & DETAILS	
8'0" FIBERGLASS OPAQUE DOUBLE DOOR UNIT			
SWS	ADDED THRESHOLD	DATE	REVISIONS
SWS	CORRECTIONS	5/27/26	
SWS	INNERLAYER NOA	7/1/25	
SWS	INNERLAYER NOA	11/21/23	
SWS	ADDED T4	7/18/20	
SWS	VARIOUS UPDATES	10/27/17	
SWS		4/26/17	
BY			

DATE: 4/9/07
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.:
DWG-MA-FL0171-07
SHEET 4 OF 4