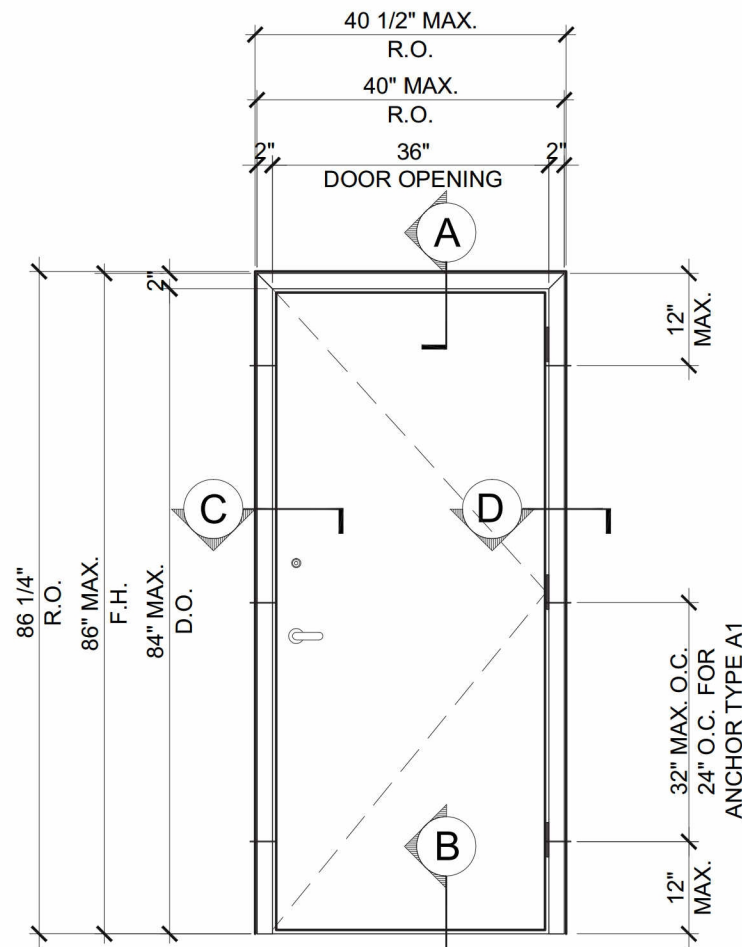
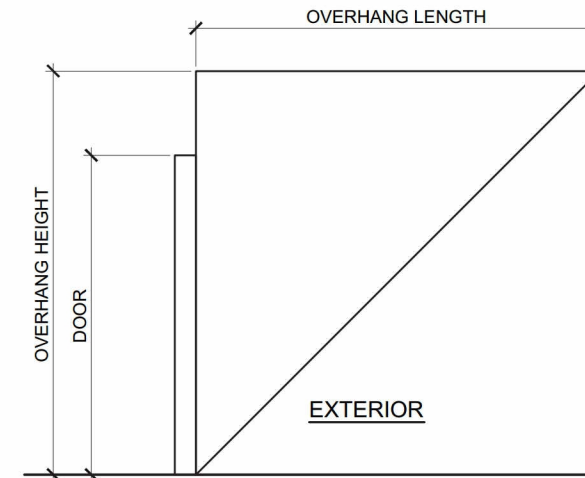


HINGE LAYOUT



TYPICAL EXTERIOR ELEVATION (X)
(SINGLE PANEL OUTSWING STEEL DOOR)
(LOCK OPTIONS SEE SHEET 5)



$$OH \text{ RATIO} = \frac{\text{OVERHANG LENGTH}}{\text{OVERHANG HEIGHT}}$$

NOTE:
UNITS NOT APPROVED FOR WATER INFILTRATION
MUST BE INSTALLED AT LOCATIONS PROTECTED BY
AN OVERHANG MEETING CRITERIA AS PER
ILLUSTRATION BELOW OR IN NON-HABITABLE AREAS
WHERE WATER INFILTRATION IS ACCEPTABLE.

DESIGN LOADS (FOR SIZES SHOWN ABOVE OR SMALLER) AS PERMITTED BY FBC
+75.0 PSF
- 75.0 PSF

SERIES AF220 3070 FIBERGLASS DOOR (LMI & SMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2014 EDITION TO BE USED AT NON HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).
- DOORS RATED FOR LARGE AND SMALL MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2014 FLORIDA BLDG. CODE SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY SPECIAL-LITE, INC. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

- WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- DOOR PANEL: 0.120" FRP FIBERGLASS TEXTURED PANEL
DOOR FRAME: PULTRUDED FIBERGLASS
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

NOTES:
EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

HARDWARE:
SCHLAGE L9453-03A MORTISE LOCK, 38 1/2" FROM SILL.
SCHLAGE B660 CYLINDRICAL DEADBOLT, 48" FROM SILL.

LIMITATIONS OF USE

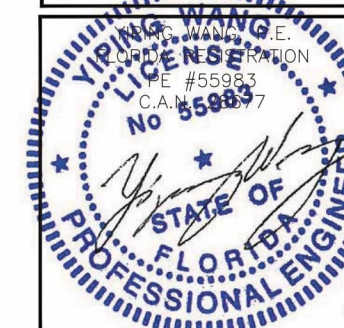
A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.

C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



REVISIONS	DESCRIPTION
NO	DATE

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

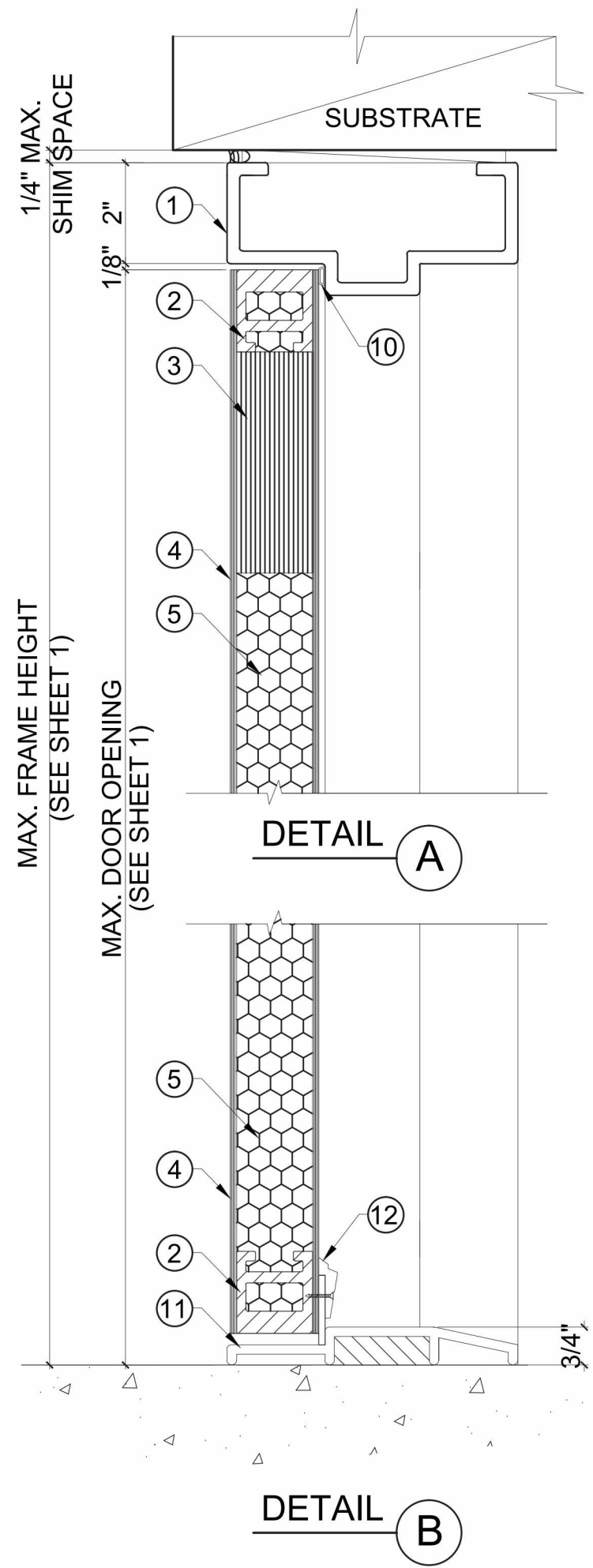
8501 SW 124 AVE. SITE 205A P: 305.271.0117
MIAMI, FL 33183 F: 786.573.5063
www.MCYUS.com MCY.Engineering@Att.net

SPECIAL-LITE, INC.
860 SOUTH WILLIAMS STREET
P.O. BOX 6
DECATUR, MI 49045
WWW.SPECIAL-LITE.COM



FLORIDA APPROVAL:	FL #17714
DATE	4/13/15
SCALE	AS SHOWN
DRAWN	T.G.
PROJECT	15-019
DRAWING NO.	AD15-10
1 OF 4	

May 1st, 2015

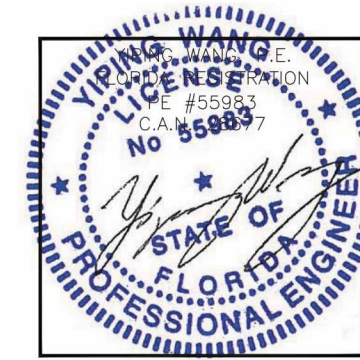


**TYPICAL ANCHORS @ JAMB:
(REFER TO ELEVATION FOR SPACING)**

- TYPE A** **1/4" DIA. ULTRACON BY 'ELCO'** (Fy=155 ksi Fu = 177 ksi)
* DIRECTLY INTO fc'=3000 PSI CONCRETE MIN.
1-1/2" MIN. EMBED. INTO MASONRY OR CONCRETE, 2-1/2" MIN. EDGE DISTANCE
- TYPE A1** **1/4" DIA. ULTRACON BY 'ELCO'** (Fy=155 ksi Fu = 177 ksi)
* DIRECTLY INTO SG=0.55 WOOD
WITH 1-1/2" MIN. EMBEDMENT, 1" MIN. EDGE DISTANCE,
OR THRU WOOD INTO CONCRETE OR MASONRY
WITH 1-1/2" MIN. EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE
- TYPE B** **3/8" DIA. HLC SLEEVE ANCHOR BY 'HILTI'**
* DIRECTLY INTO fc'=3000 PSI CONCRETE MIN.
1-1/4" MIN. EMBED INTO MASONRY OR CONCRETE, 3" MIN. EDGE DISTANCE
* DIRECTLY INTO fm'=1500 PSI FILLED GROUT FILLED CONCRETE BLOCK
1-1/4" MIN. EMBED INTO FILLED CONC. BLOCK, 3-1/2" MIN. EDGE DISTANCE
- TYPE C** **3/8" DIA. SLEEVE ANCHOR BY "WEJ-IT"**
* DIRECTLY INTO fc'=4000 PSI CONCRETE MIN.
2-3/8" MIN. EMBED, 3-1/2" MIN. EDGE DISTANCE
* DIRECTLY INTO fc'=2000 PSI CONCRETE. BLOCK MIN.
1-1/4" MIN. EMBED, 3-1/2" MIN. EDGE DISTANCE
- TYPE D** **3/8" DIA. POWER BOLTS**
* DIRECTLY INTO fc'=3000 PSI CONCRETE
2-1/2" MIN. EMBED, 3" MIN. EDGE DISTANCE
* DIRECTLY INTO fc'=1500 PSI GROUT FILLED CONCRETE BLOCK
2" MIN. EMBED, 3" MIN. EDGE DISTANCE
- TYPE E** **5/16" DIA. SMS OR MACHINE BOLTS GRADE 2 CRS OR ST/ST**
* DIRECTLY INTO 1/8" THK. STEEL/ALUMINUM 6063-T5

HINGES:
STEEL BUTT HINGES 3 PER LEAF.
FOR HINGE LOCATION SEE SHEET 1.
TO BE FASTENED BY (4) #12-24 x 1/2" FLATHEAD
MACHINE SCREWS TO THE DOOR PANEL AND TO
THE FRAME. TOTAL OF (8) SCREWS.

NOTE:
SUBSTRATE CAN BE CONCRETE, 2X WOOD BUCKS,
WOOD STRUCTURAL MEMBER(S), CONCRETE BLOCK
WALL AND METAL STRUCTURE (STEEL OR ALUMINUM).
ANCHOR TYPE SHOWN ABOVE SHOULD BE CHOSEN
BASED ON SUBSTRATE TYPE IN THE PROJECT. ANY
TYPE OF ANCHOR NOT SPECIFIED HERE SHOULD BE
ENGINEERED SEPARATELY.



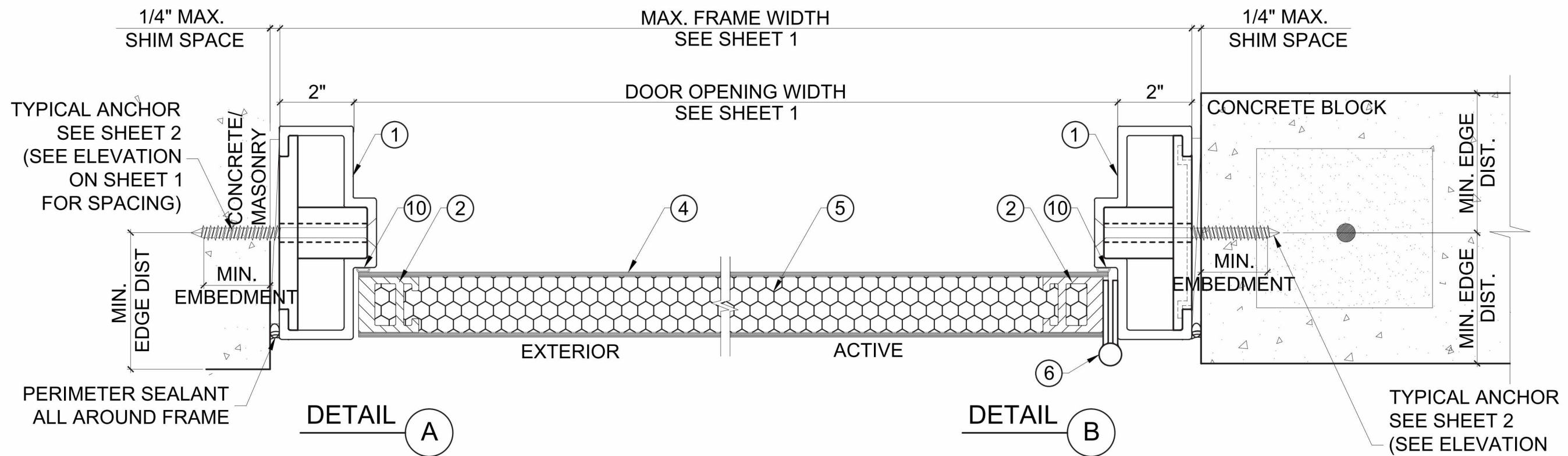
REVISIONS	DESCRIPTION
NO DATE	

MCY
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GLAZING CONSULTANTS
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MIAMI, FL 33183 F: 786.573.5063
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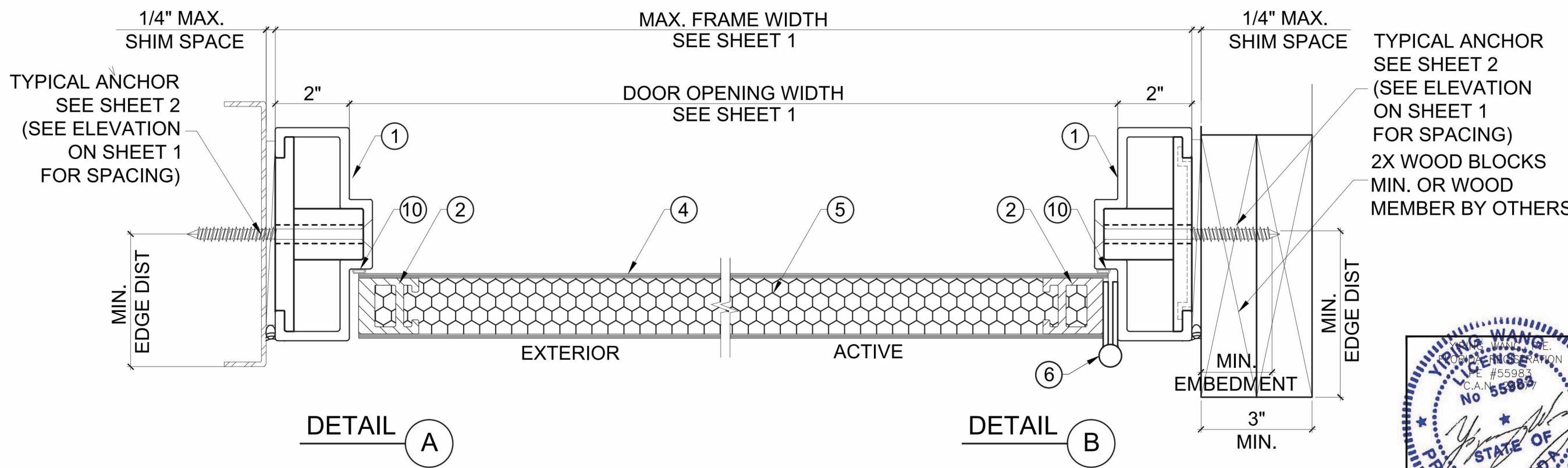


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DETAIL A

DETAIL B



DETAIL A

DETAIL B

TYPICAL ANCHOR
SEE SHEET 2
(SEE ELEVATION
ON SHEET 1
FOR SPACING)
2X WOOD BLOCKS
MIN. OR WOOD
MEMBER BY OTHERS



NO.	DATE	DESCRIPTION

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Doors with more life.

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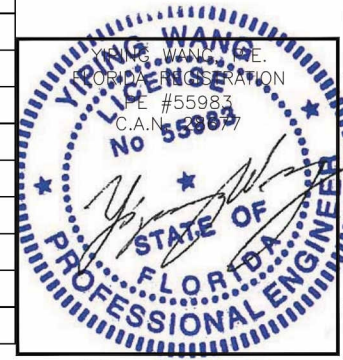
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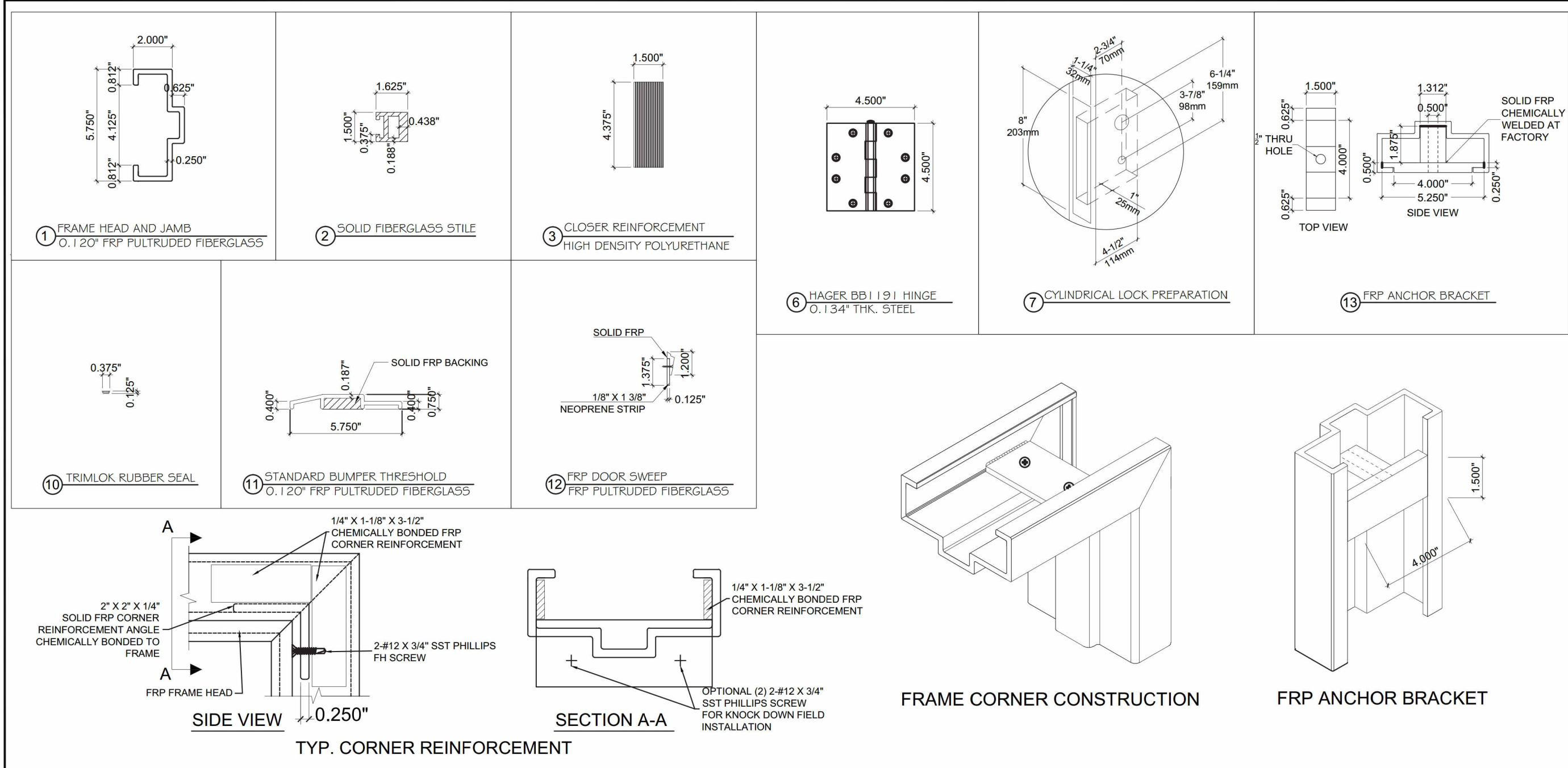
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May 1st, 2015



BILL OF MATERIALS

ITEM	PART NO.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER / SUPPLIER / REMARKS
1	-	PULTRUDED FIBERGLASS	AS REQD.	FRAME JAMB / HEAD (5 3/4" X 2")	SPECIAL-LITE INC. (0.250" THK.) Fy=40.8 KSI MIN.
2	-	PULTRUDED FIBERGLASS	AS REQD.	SOLID FIBERGLASS STILE	SPECIAL-LITE INC.
3	NATUICAL 20	POLYURETHANE	AS REQD.	HIGH DENSITY POLYURETHANE CLOSER REINFORCEMENT (1.5" x 4.375")	COOSA COMPOSITES
4	-	FIBERGLASS	AS REQD.	0.120" SANDSTONE TEXTURED FACE SHEET	SPECIAL-LITE INC.
5	PP8-80	POLYPROPYLENE	AS REQD.	AIR-COMB POLYPROPYLENE HONEYCOMB DOOR PANEL CORE	POLY-U-MAC
6	BB1191	ST/ST	3	FIVE KNUCKLE BALL BEARING STANDARD WEIGHT HINGE	HAGER
7	L9453P-03A	ST/ST	1	MORTISE LOCK SET	SCHLAGE
8	L9453P-03A	STEEL	1	CYLINDRICAL LOCK PREPARATION	SCHLAGE
9	B660	STEEL	1	CYLINDRICAL DEADBOLT	SCHLAGE
10	-	RUBBER	AS REQD.	WEATHERSTRIPPING	TRIM-LOK
11	-	PULTRUDED FIBERGLASS	AS REQD.	STANDARD BUMPER THRESHOLD	SPECIAL-LITE INC.
12	-	PULTRUDED FIBERGLASS	AS REQD.	FRP DOOR SWEEP	SPECIAL-LITE INC.
13	-	PULTRUDED FIBERGLASS	AS REQD.	FRP ANCHOR BRACKET	SPECIAL-LITE INC.