

**Mark T. White & Associates, Inc.**  
**3017 Manila**  
**San Antonio, Texas 78217**  
**(210) 822-1502**  
**Firm #6197**

May 19, 2021

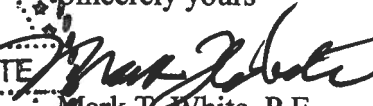
Dean Steel  
931 S. Flores St.  
San Antonio, Texas 78204


Attn: Claus Heide

Dear Sir:

Dean Steel Door listed within these details compiles with the following IRC and IBC codes:

1. 2018 IRC Sections R301 and R609
2. 2018 IBC Sections 1404.13, 1609, 1709, 2403 and 2404

Sincerely yours  
  
Mark T. White, P.E.

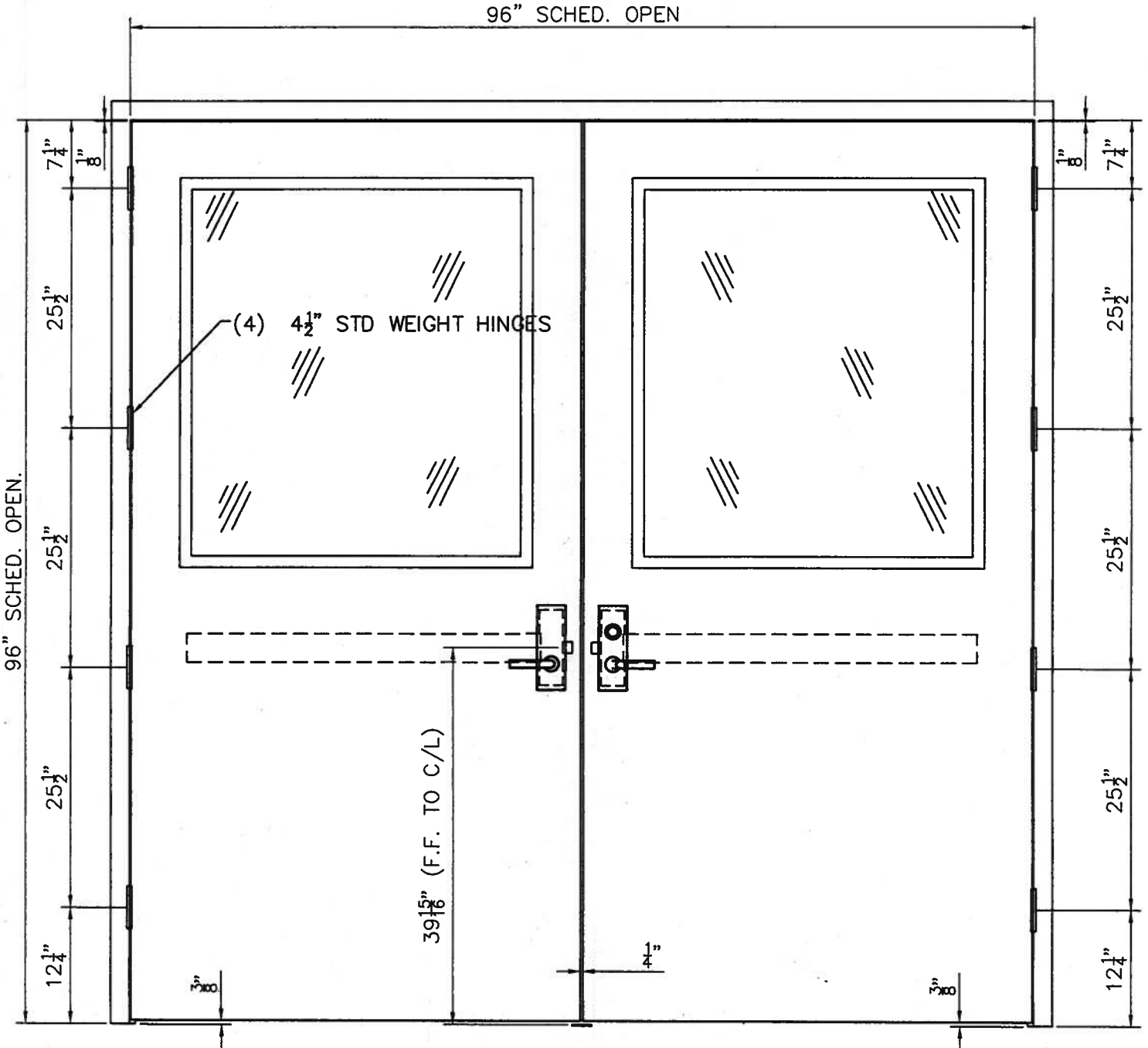
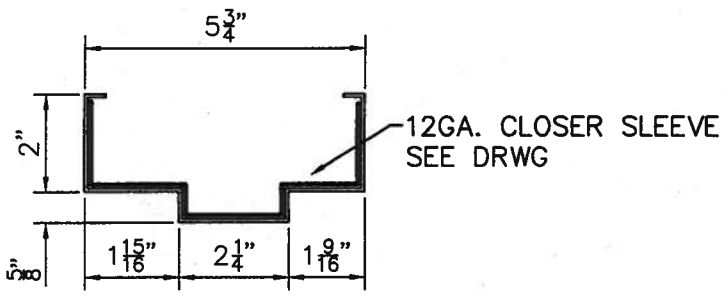


The seal is circular with a five-pointed star in the center. The text around the star reads "STATE OF TEXAS" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. In the middle, it says "MARK T. WHITE" and "51603".

FRAME: 16 GA CRS  
 5-3/4" DEPTH  
 DOOR: 16 GA CRS  
 1-3/4" THK  
 TOP CAPS @ DOOR: YES  
 CLOSER REINF: NO

(4) STD WT 4-1/2" HINGES BB-179  
 DOORS REINFORCED FOR STANLEY  
 PANIC HARDWARE

ALL HARDWARE IS  
 BY STANLEY



HINGE SPACING @ SMK 1 & 2

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 931 S. Flores St., San Antonio, Texas 78204  
 (210) 226-8271 (800) 825-8271 Fax (210) 226-0913

CUSTOMER	<b>STANLEY HARDWARE</b>	JOB #	<b>95085</b>	SHT	<b>A</b>
DSDC04\Engineering\95085 - Stanley Test\Drawing1.dwg, 1/22/2021 9:15:49 AM, Adobe PDF		P.O. #	-	REV	<b>2</b>
		DATE	<b>01-22-2021</b>		

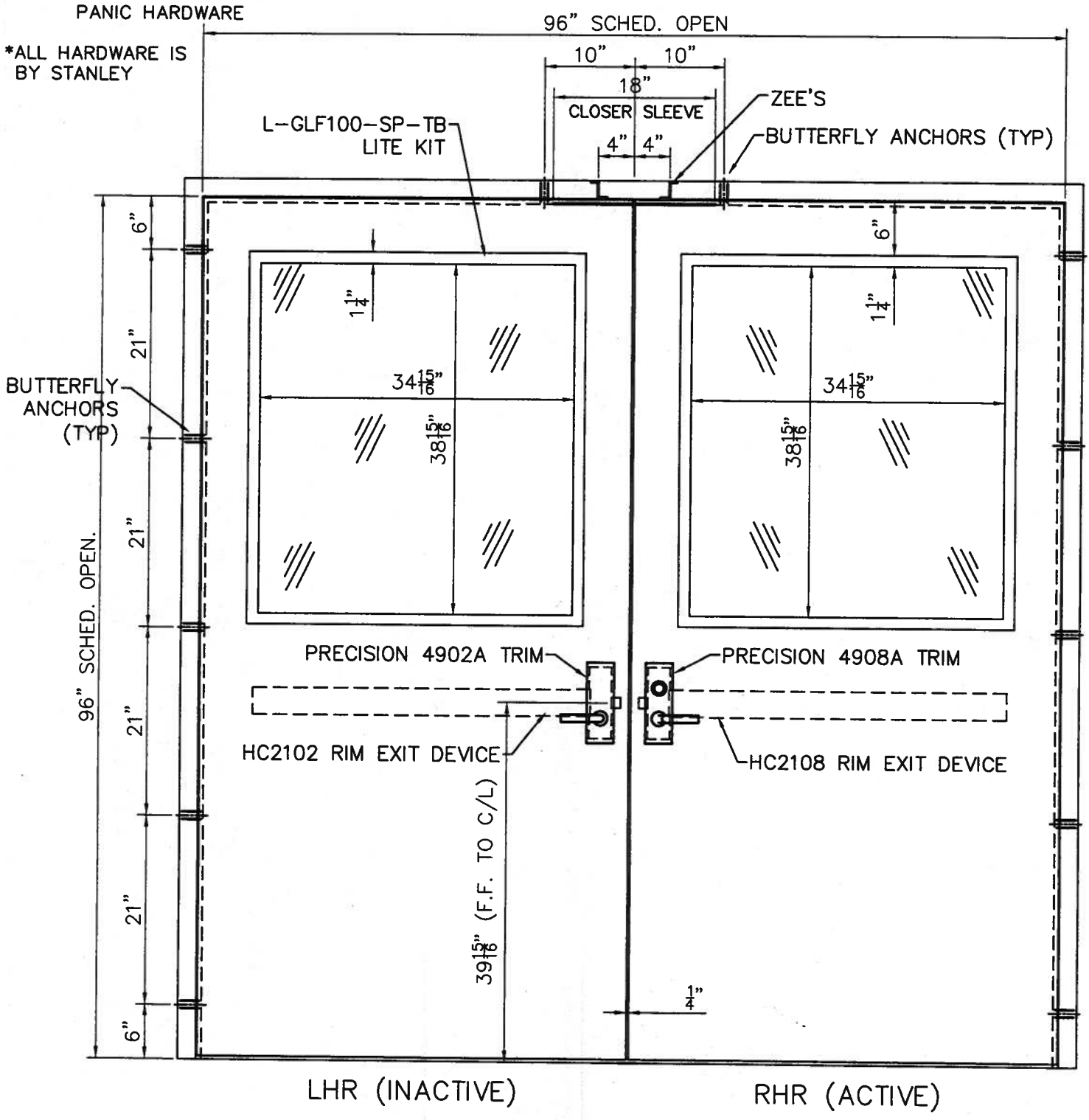
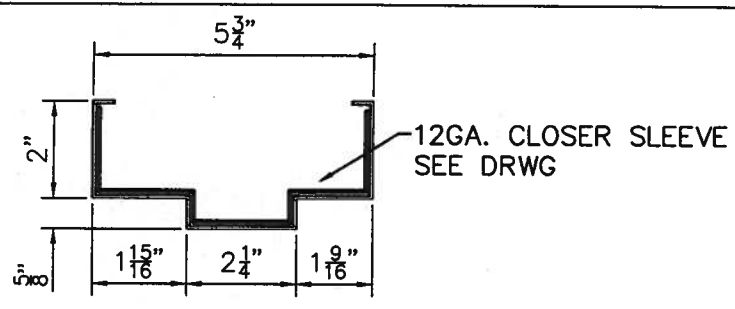
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 Firm No. F-6197



FRAME: 16 GA CRS  
 5-3/4" DEPTH  
 DOOR: 18 GA CRS (SMK 1)  
 16 GA CRS (SMK 2)  
 1-3/4" THK  
 TOP CAPS @ DOOR: YES  
 CLOSER REINF: NO

(4) STD WT 4-1/2" HINGES BB-179  
 DOORS REINFORCED FOR STANLEY  
 PANIC HARDWARE

\*ALL HARDWARE IS  
 BY STANLEY



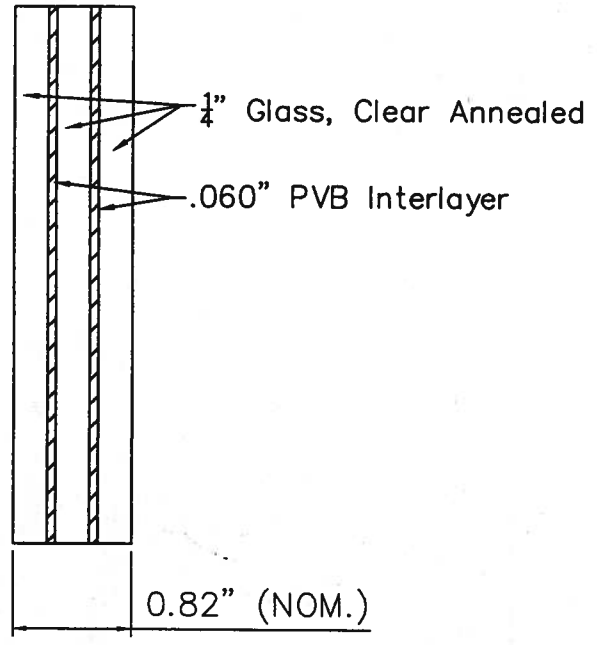
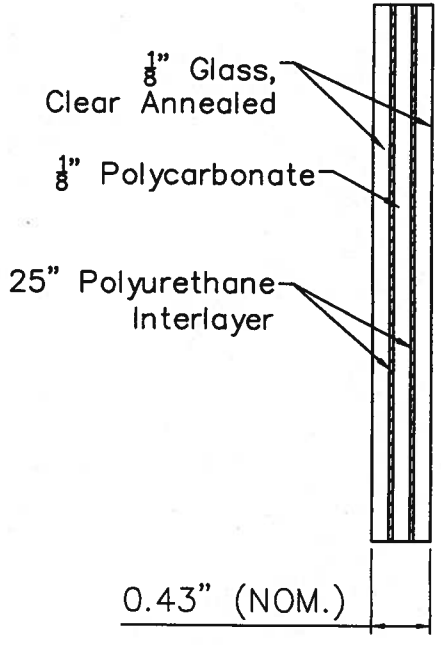
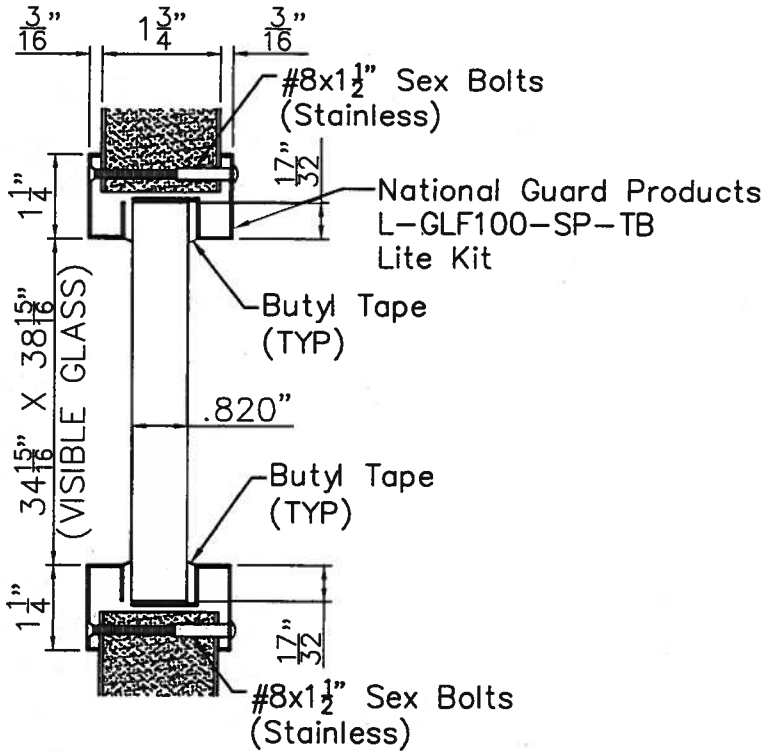
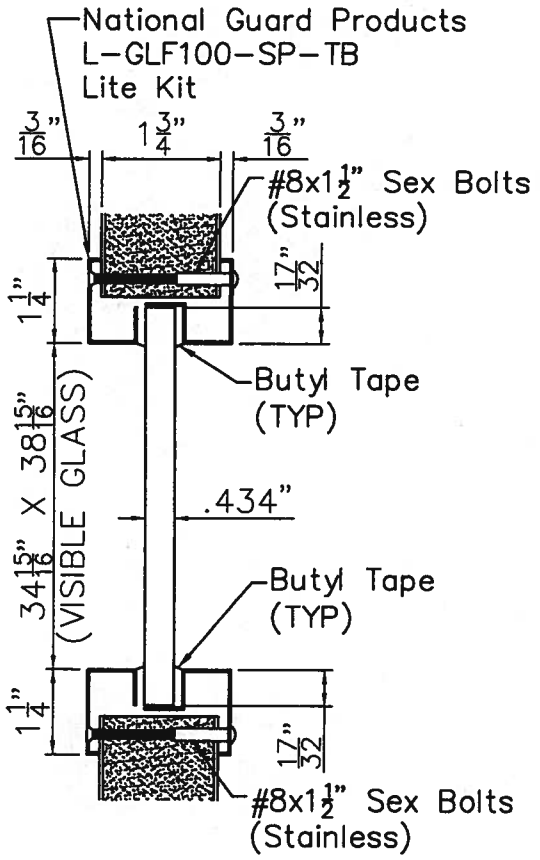
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SMK 1 & 2  
 QTY: 6 ASSEMBLIES ANCHOR LOCATIONS

CUSTOMER		STANLEY HARDWARE		JOB #	95085	SHT	B
DSDC04\Engineering\95085 - Stanley Test\Drawing1.dwg, 1/22/2021 9:16:35 AM, Adobe PDF		P.O. #	-	REV	2	DATE	01-22-2021

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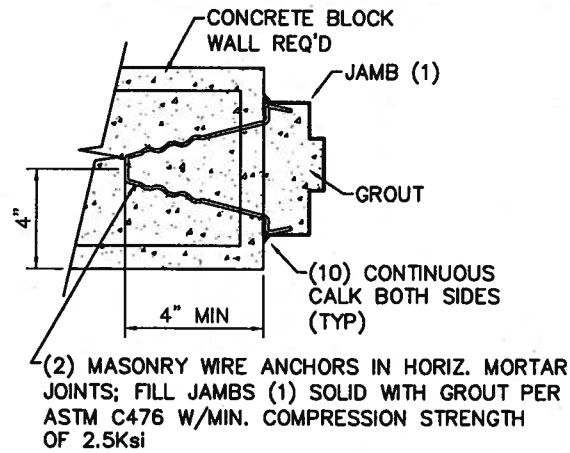
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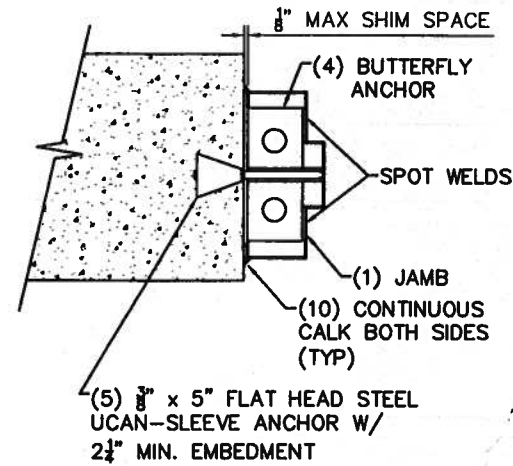
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DSDC04\Engineering\95085 - Stanley Test\Drawing1.dwg, 1/22/2021 9:17:22 AM, Adobe PDF		P.O. #	-	REV	2
		DATE	01-22-2021		

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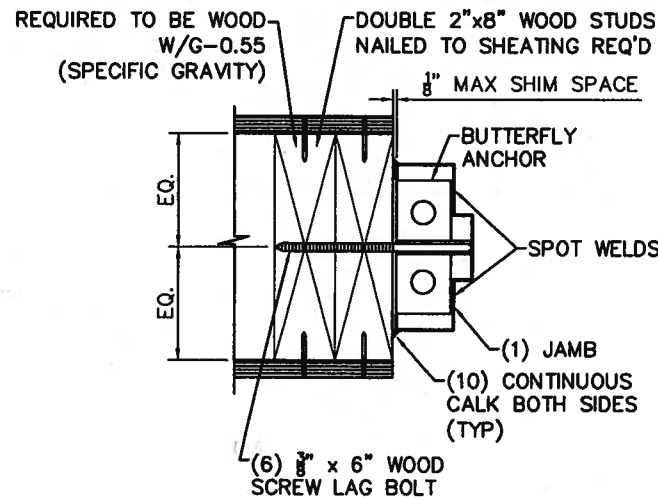




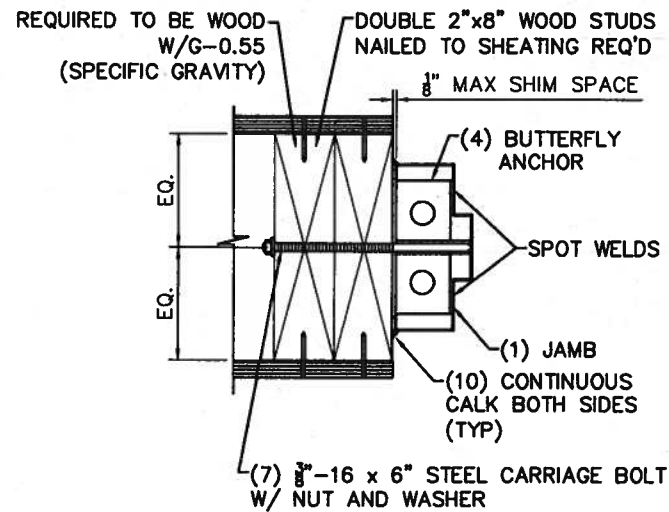
**DETAIL 1**  
WIRE ANCHOR (2)  
INSTALLATION TO  
MASONRY WALLS



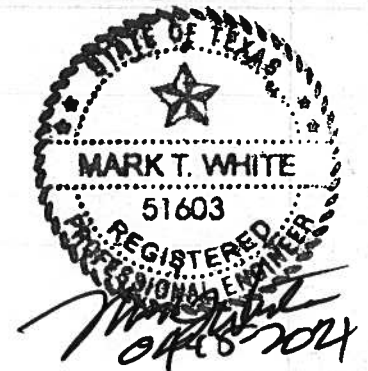
**DETAIL 2**  
INSTALLATION OF UCAN SLEEVE  
ANCHORS (5) TO MASONRY WALLS



**DETAIL 3**  
INSTALLATION OF 3/8" Ø LAG SCREW  
TO WOOD FRAME WALLS



**DETAIL 4**  
INSTALLATION OF 3/8" Ø CARRIAGE BOLT  
TO WOOD FRAME WALLS



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CUSTOMER

STANLEY TEST

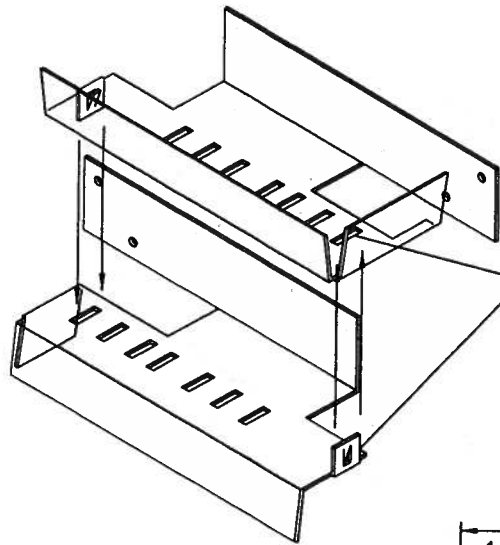
JOB # 95085

P.O. #

REV

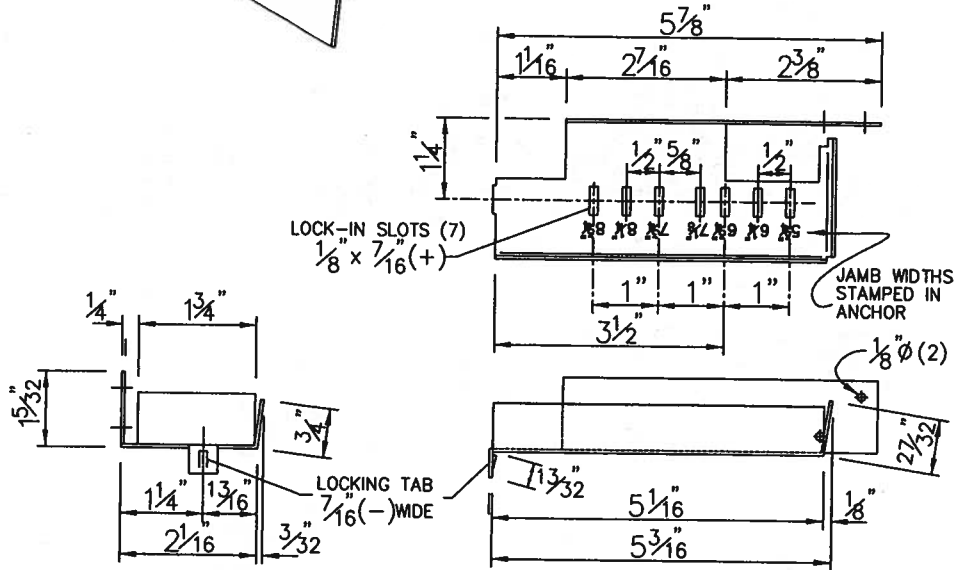
DATE

MATERIAL :  
18 GA. STEEL  
FORMED FROM 6 1/4" STRIP



TABS TO BE BENT AND/OR  
WELDED IN TO SLOTS TO  
OBTAIN DESIRED  
ANCHOR WIDTH

FOR "D" JAMB WIDTHS:  
5 3/4", 6 1/4", 6 3/4", 7 1/8",  
7 3/4", 8 1/4", 8 3/4",



TWO PIECE SNAP-IN STUD ANCHOR  
5 3/4" TO 8 3/4" "D"-JAMBS

ITEM No. 63152

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CUSTOMER

STANLEY TEST

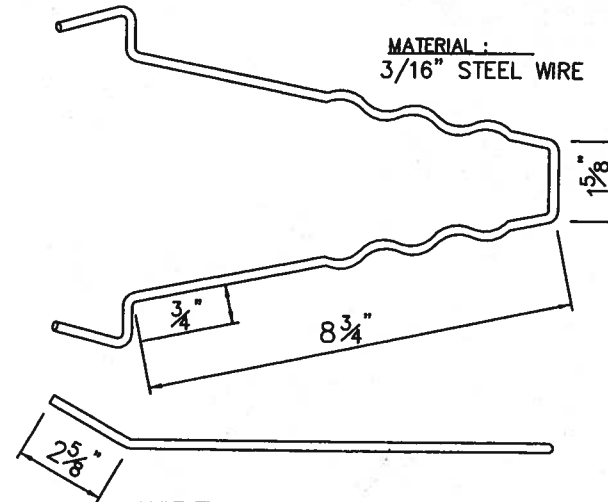
JOB # 95085

P.O. #

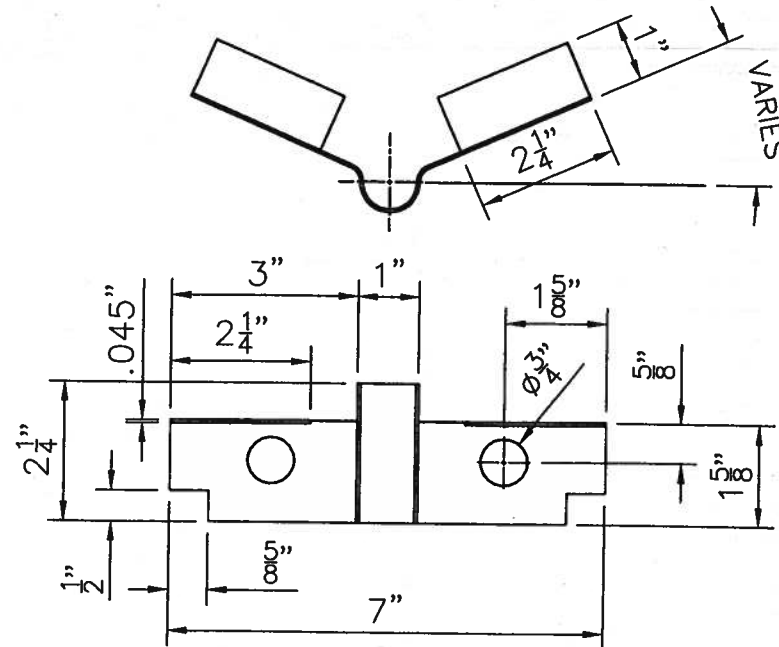
REV

DATE

MATERIAL :  
3/16" STEEL WIRE



WIRE MASONRY ANCHOR  
FIRE RATED; 3 HOUR MAXIMUM  
ITEM No. 63153

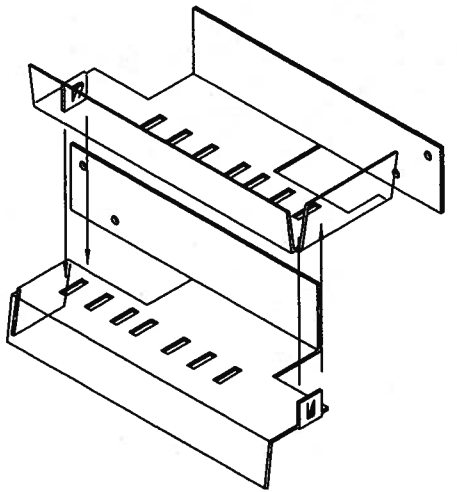
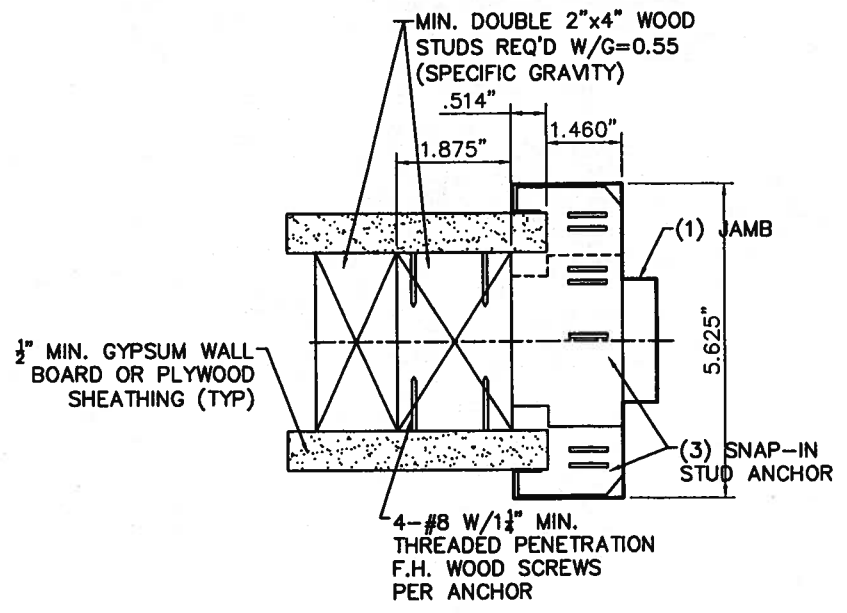


BUTTERFLY ANCHOR

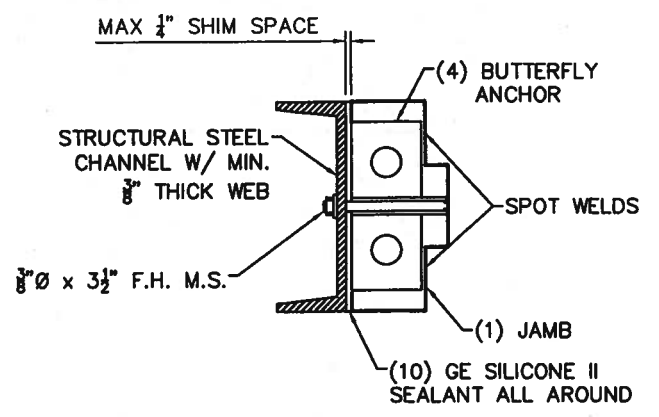
17 GA. GALVANNEALED  
ITEM No. 63176



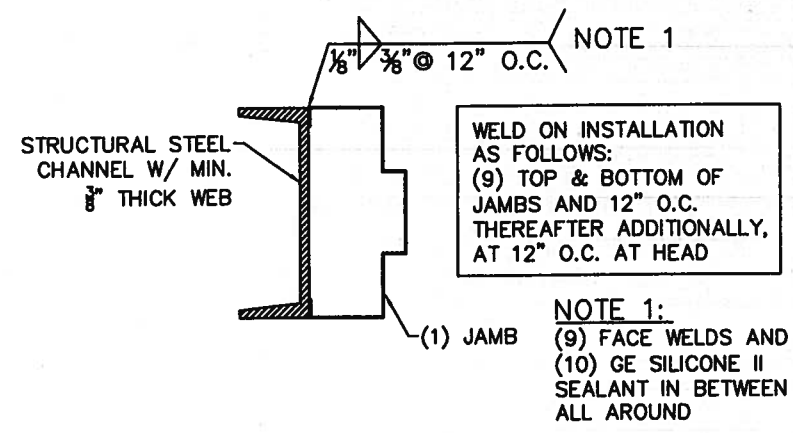
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**DETAIL 5**  
 INSTALLATION OF 2 PIECE COMBINATION  
 STUD ANCHOR (3) IN TO WOOD FRAME WALLS



**DETAIL 6**  
 INSTALLATION OF (8) 3/8" Ø F.H. M.S.  
 TO STEEL CHANNEL



**DETAIL 7**  
 INSTALLATION OF JAMB (1) TO  
 STEEL CHANNEL THROUGH WELDING (9)



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CUSTOMER	STANLEY TEST	JOB #	95085
P.O. #	REV	DATE	01-22-2021

## BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	SIZE AND SPEC'S
1	16 GA JAMB / HEAD FRAME 'D'-TYPE	16 GAUGE .058 MINIMUM COLD ROLLED STEEL	5 $\frac{3}{4}$ " DEPTH x 2" FACE x .058" MIN. THICK
2	WIRE MASONRY FRAME ANCHORS	STEEL WIRE	$\frac{3}{16}$ " THK, ITEM # 63153, 3-HR FIRE RATING
3	SNAP-IN STUD ANCHORS (2-PC)	COLD ROLLED STEEL	18 GA. THK, ITEM # 63152
4	BUTTERFLY ANCHORS	GALVANNEALED STEEL	17 GA. THK, ITEM # 63176
5	ANCHOR BOLTS	STEEL	$\frac{3}{8}$ " x 5" STEEL UCAN-SLEEVE ANCHOR
6	WOOD SCREW LAG BOLT	STEEL	$\frac{3}{8}$ " x 6"
7	CARRIAGE ANCHOR BOLT	STEEL	$\frac{3}{8}$ "-16 x 6" STEEL CARRIAGE BOLT C/W NUT AND WASHER, PER ASTM A-307
8	F.H. M.S. TO STEEL CHANNEL THROUGH BOLTING	STEEL	$\frac{3}{8}$ " x 3 $\frac{1}{2}$ " STEEL F.H. M.S. PER ASTM A-307
9	STEEL CHANNEL WELDING	E60XX ELECTRODE FOR GALVANNEAL STEEL E-308 ELECTRODE FOR STAINLESS STEEL	WELD ON INSTALLATION - $\frac{1}{8}$ " x $\frac{3}{8}$ " STITCH WELD
10	CAULKING - GE SILICONE II	N/A	-

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CUSTOMER

**STANLEY TEST**

JOB # **95085**

P.O. #

REV **2**

DATE **01-22-2021**