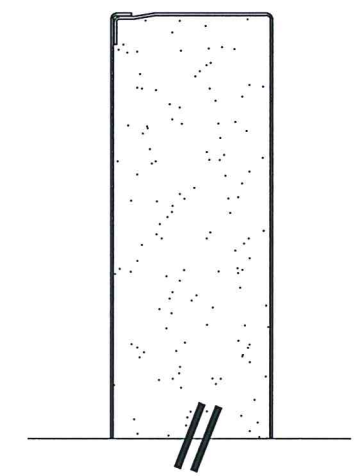
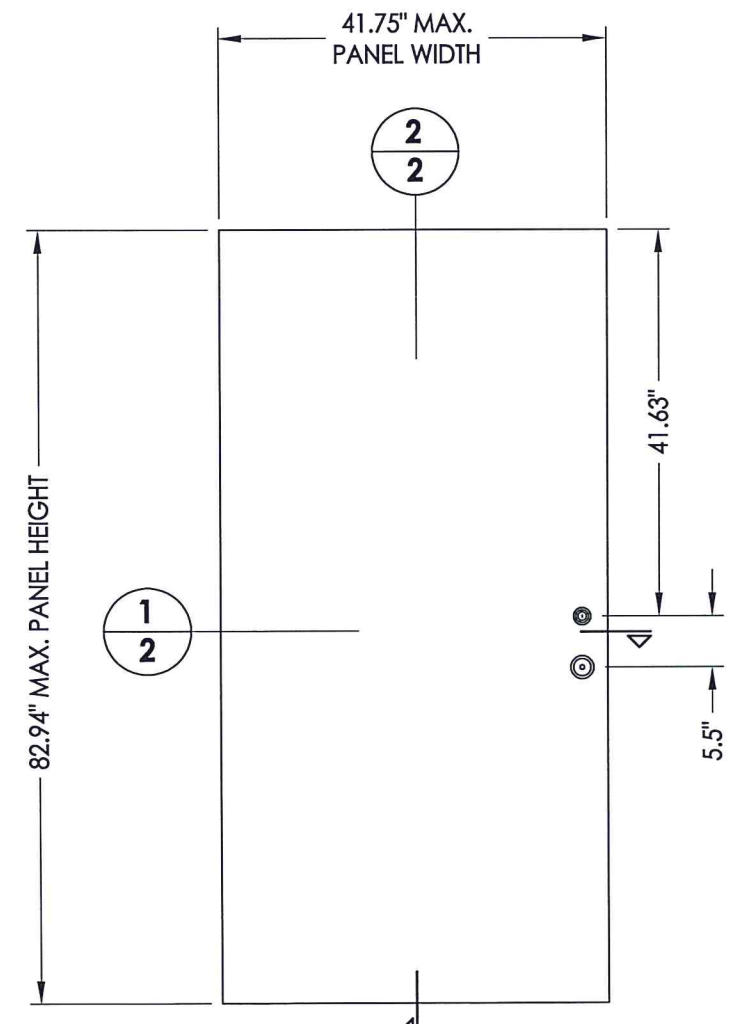


1
2 HORIZONTAL CROSS SECTION

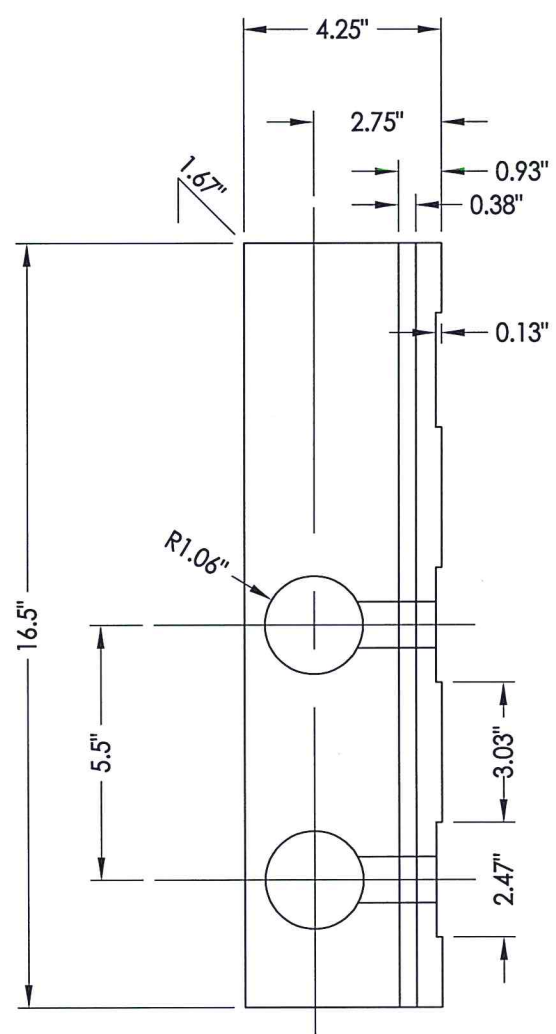


2
2 VERTICAL CROSS SECTION

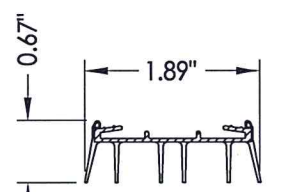


40 DOOR PANEL
Steel (Taylor)

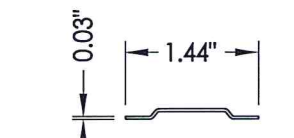
STEEL DOOR SKIN: MIN. 0.020" THK.
GALVANIZED STEEL (F_y = 33,000 PSI MIN.)



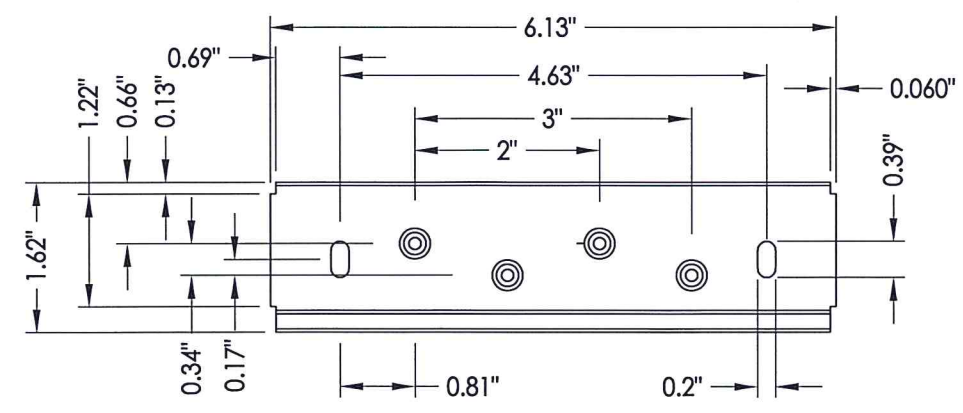
2B LOCK BLOCK
Wood



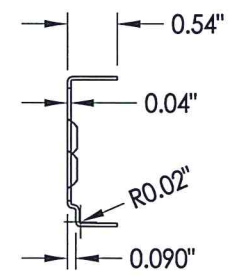
2D DOOR SWEEP
Vinyl



2C RETAINER
Door sweep



2A HINGE REINFORCEMENT



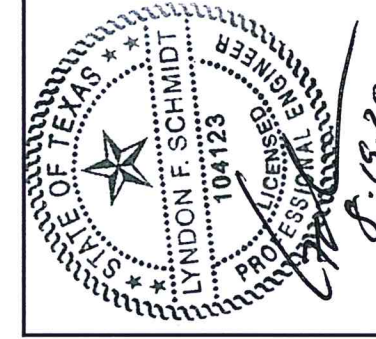
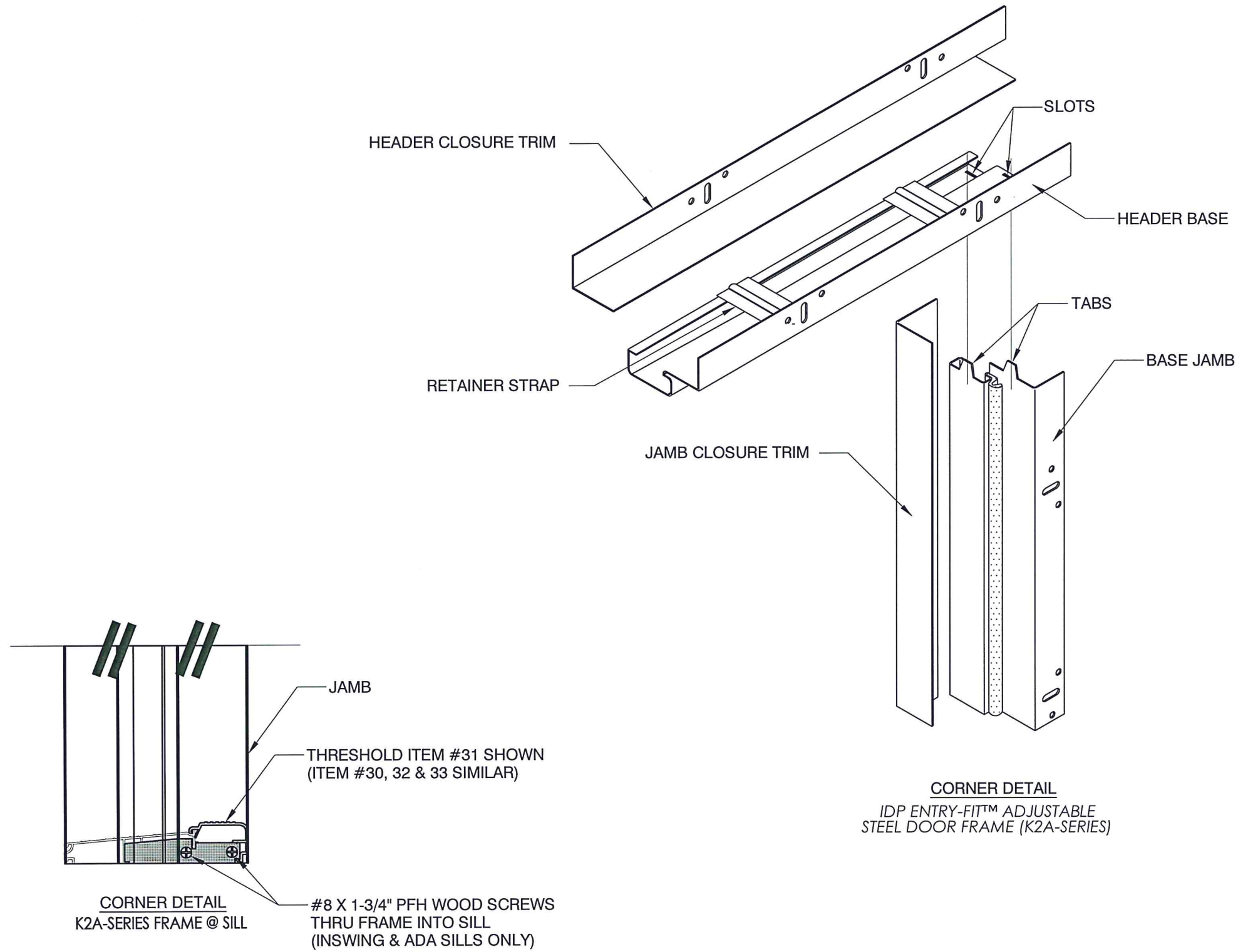
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	TAYLOR STEEL DOOR
PART OR ASSEMBLY:	DOOR PANEL DETAILS

NO.	DATE	REVISIONS
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE
		LFS
		BY

DATE:	11/5/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	TX-4503
SHEET	2 of 7



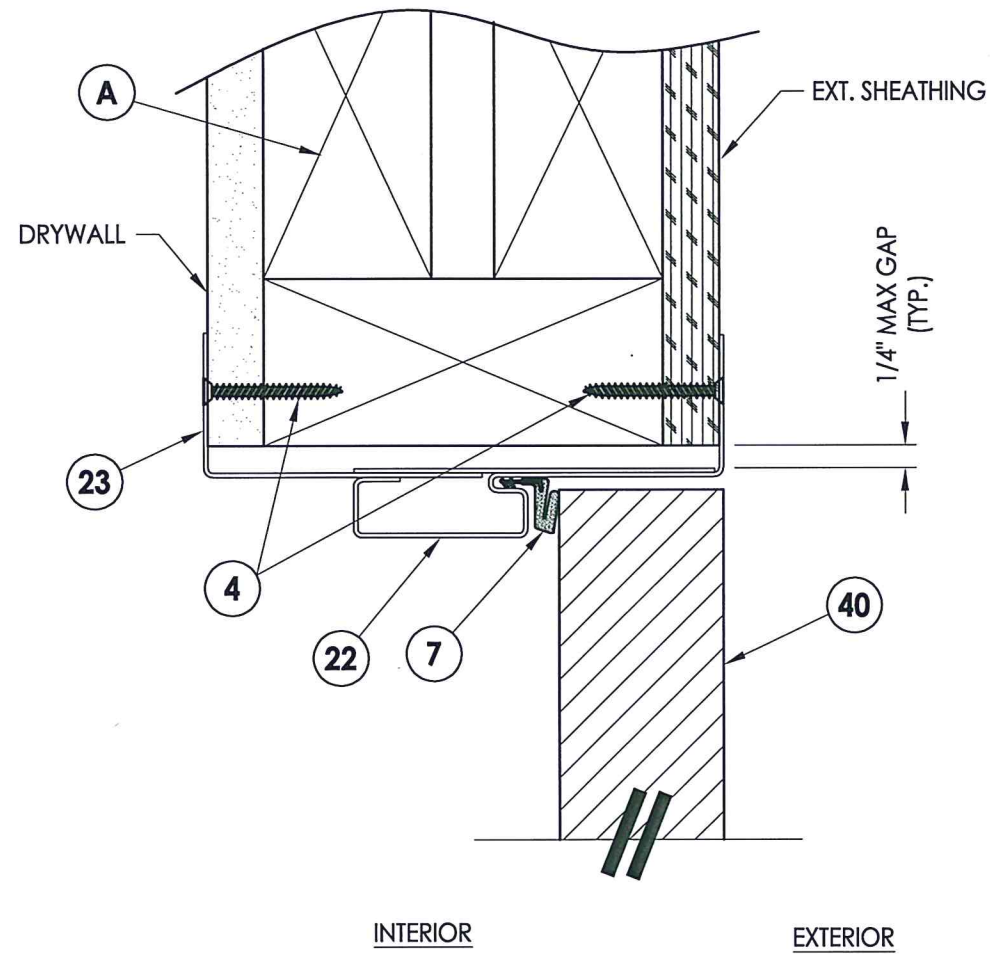
Documents Prepared By: Lyndon F. Schmidt, P.E.
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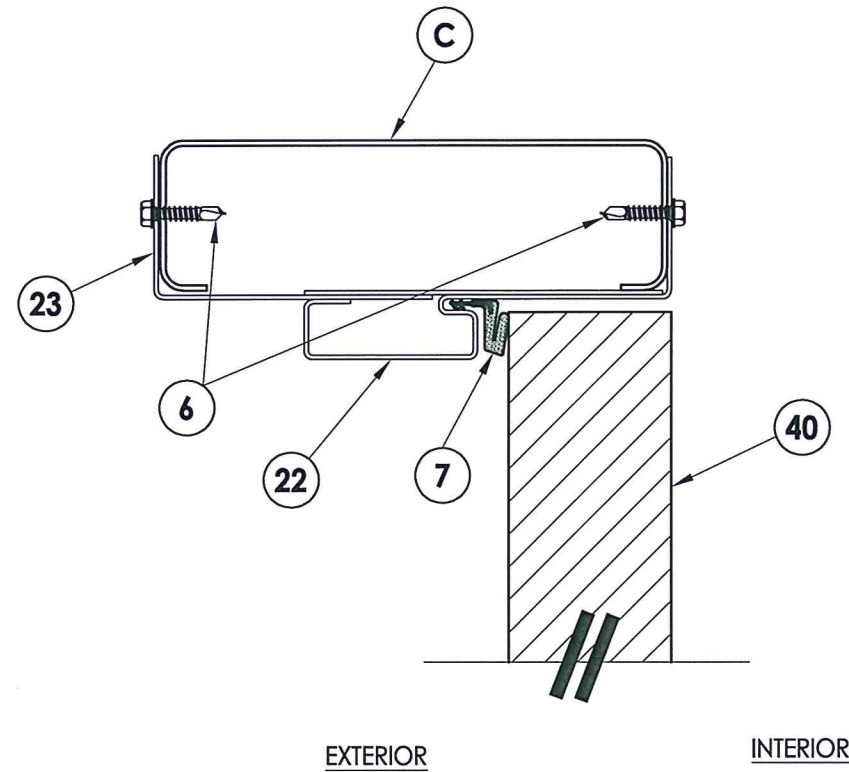
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:		TAYLOR STEEL DOOR	
PART OR ASSEMBLY:		CORNER DETAIL	
NO.	DATE	IBC/IRC CODE	BY
1	8/18/20	UPDATE TO 2018	LFS
REVISIONS			
DATE:		11/5/14	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		TX-4503	
SHEET		3 OF 7	

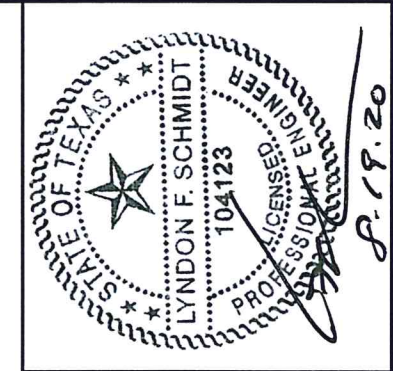
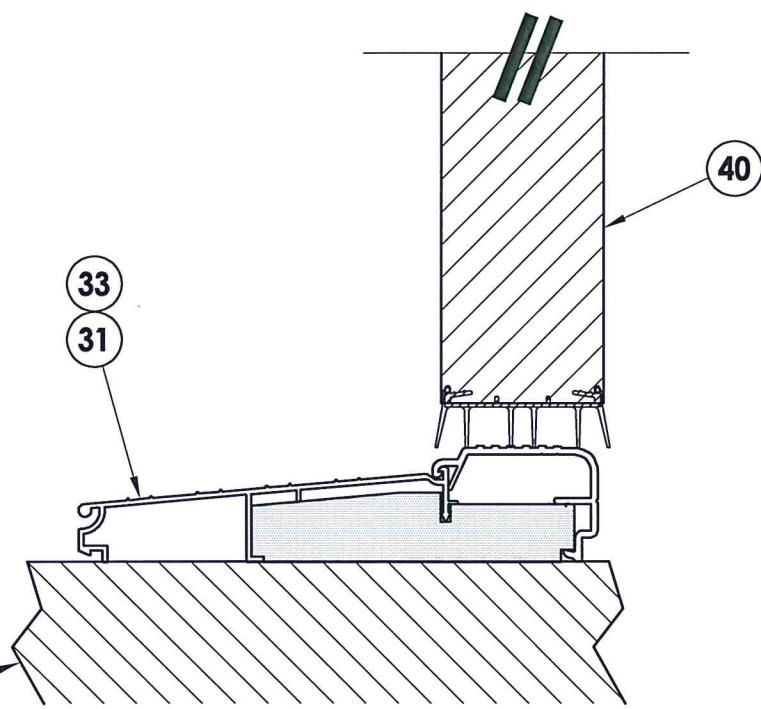
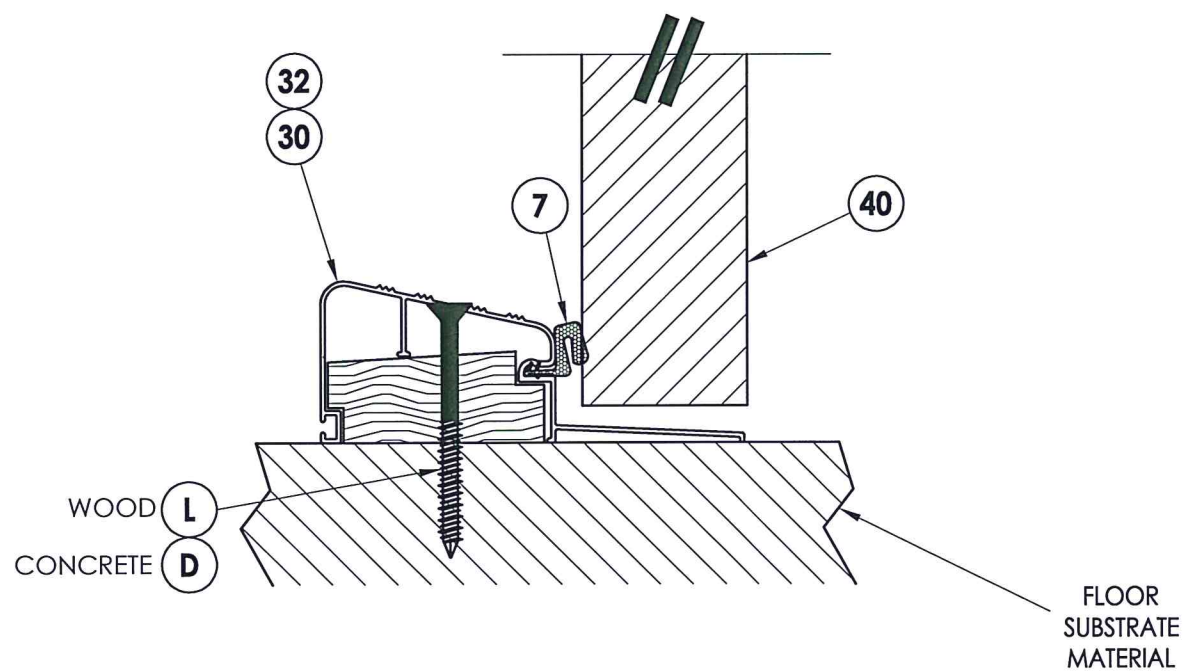
R:\Clients\Taylor Permanent\B - Texas Dept of Ins\TDI - DR 740 7'0 Opaque Steel Doors Impact\Drawings\TX-4503.dwg, 5.1



1 VERTICAL CROSS SECTION
5 Outswing



2 VERTICAL CROSS SECTION
5 Inswing



Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

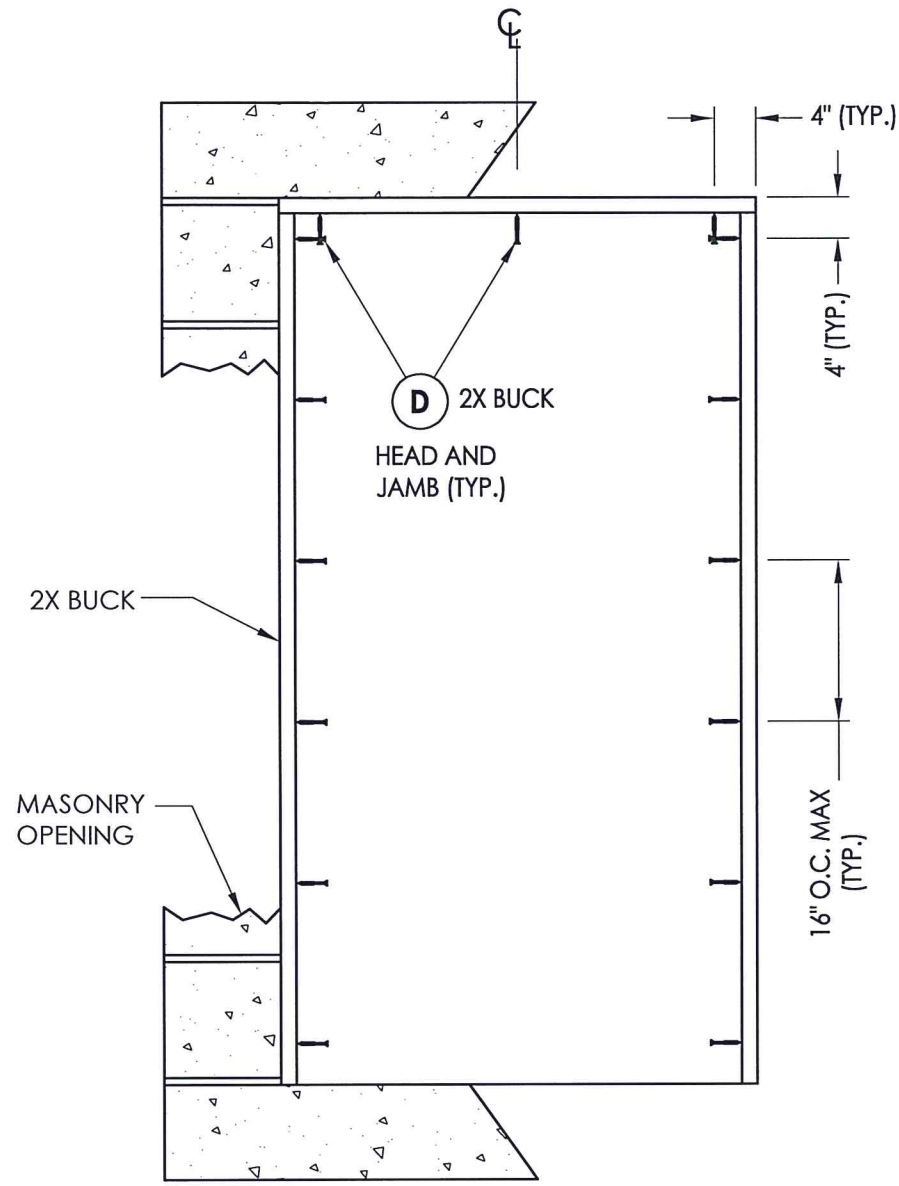
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL, 33595
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: TAYLOR STEEL DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTION

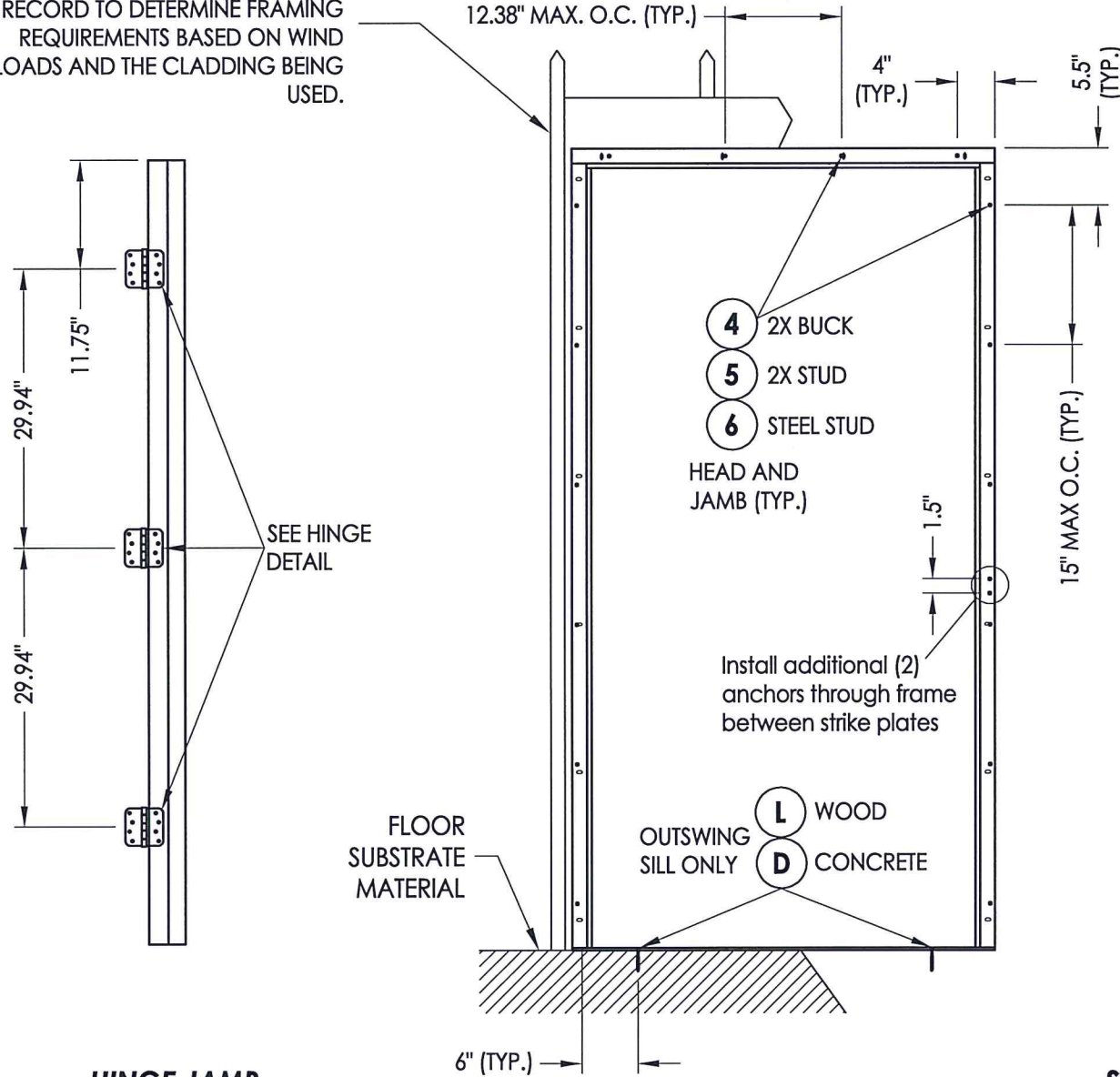
NO.	DATE	REVISIONS	BY
1	8/18/20	UPDATE TO 2018 IBC/IRC CODE	LFS

DATE: 11/5/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4503
SHEET 5 of 7



BUCK ANCHORING
Taylor Door

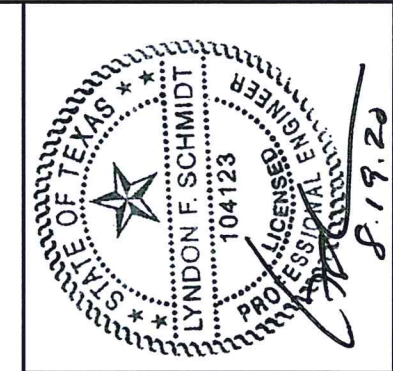
THE ENGINEER OR ARCHITECT OF RECORD TO DETERMINE FRAMING REQUIREMENTS BASED ON WIND LOADS AND THE CLADDING BEING USED.



HINGE JAMB

FRAME ANCHORING
Taylor Door

STRIKE JAMB



Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

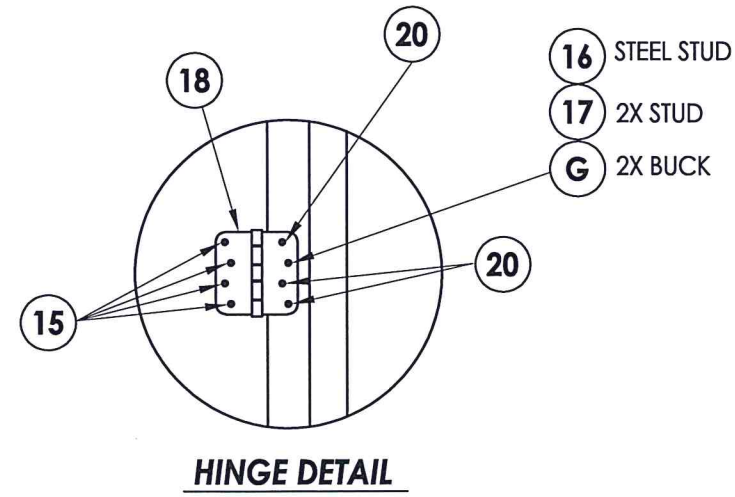
PRODUCT: TAYLOR STEEL DOOR

PART OR ASSEMBLY: BUCK AND FRAME ANCHORING

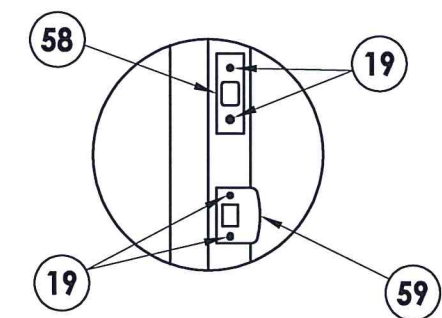
NO.	DATE	BY

- CONCRETE ANCHOR NOTES:**
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
 3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-3/4"	3"	1-1/2"
	1/4"	1-3/4"	1-1/2"	4"
DeWALT ULTRACON®	1/4"	1-3/4"	1"	4"



HINGE DETAIL



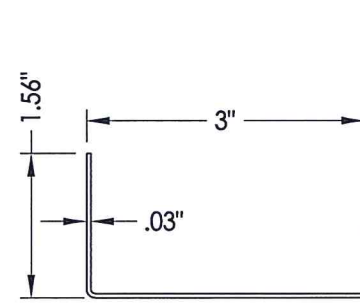
STRIKE PLATE DETAIL

DATE: 11/5/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4503
SHEET 6 OF 7

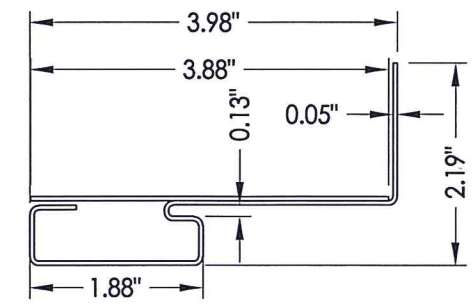
R:\Clients\Taylor Permanent\B - Texas Dept of Ins\TDI - DR 740 7'0 Opaque Steel Doors Impact\Drawings\TX-4503.dwg, 7.1

BILL OF MATERIALS

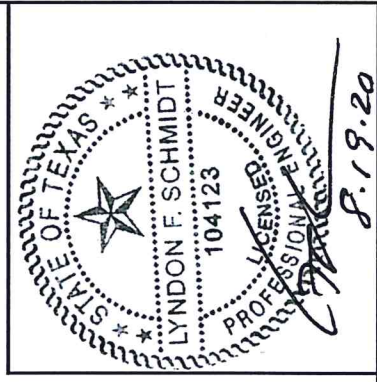
ITEM #	DESCRIPTION	MATERIAL
A	2X STUD FRAMING (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	METAL STUD (SSMA STUD 550S162-54, Fy = 33 ksi, Fu = 45 ksi)	STEEL
D	1/4" PFH DeWALT OR ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" PFH ITW CONCRETE SCREW (1-3/4" MIN. EMB.)	STEEL
L	#10 X 3" PFH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
4	#10 X 1-1/2" PFH SMS	STEEL
5	#10 X 2" PFH SMS	STEEL
6	#10 X 3/4" HWH SELF-DRILLING TEK SCREW (MIN. 3 THREADS THRU STEEL STUD)	STEEL
7	COMPRESSION WEATHERSTRIPPING QLON QDS 650 BY SCHLEGEL	-
15	10-24 X 5/8" PFH MS	STEEL
16	#10 X 2-1/2" PFH SELF-DRILLING TEK SCREW (MIN. 3 THREADS THRU STEEL STUD)	STEEL
17	#10 X 2-1/2" PFH WS	STEEL
18	4" X 4" HINGE	STEEL
19	8-32 X 3/8" PFH MS	STEEL
20	10-24 X 1/2" PFH MS	STEEL
22	IDP (K2A-SERIES) EXTERIOR FRAME (18 GA. - A60 GALVANNEALED STEEL)	STEEL
23	IDP (K2A-SERIES) INTERIOR FRAME (22 GA. - A60 GALVANNEALED STEEL)	STEEL
28	HINGE LATCH AND DEADBOLT REINFORCEMENT	STEEL
29	HINGE REINFORCEMENT	STEEL
30	OUTSWING THRESHOLD	ALUM/WOOD
31	INSWING THRESHOLD	ALUM/COMP
32	OUTSWING THRESHOLD	ALUM/COMP
33	ADA THRESHOLD	ALUM
40	TAYLOR STEEL DOOR PANEL - SEE DOOR PANEL DETAILS	-
58	STRIKE PLATE - DEADBOLT	STEEL
59	" T " STRIKE PLATE - LATCH	STEEL



23 INTERIOR FRAME



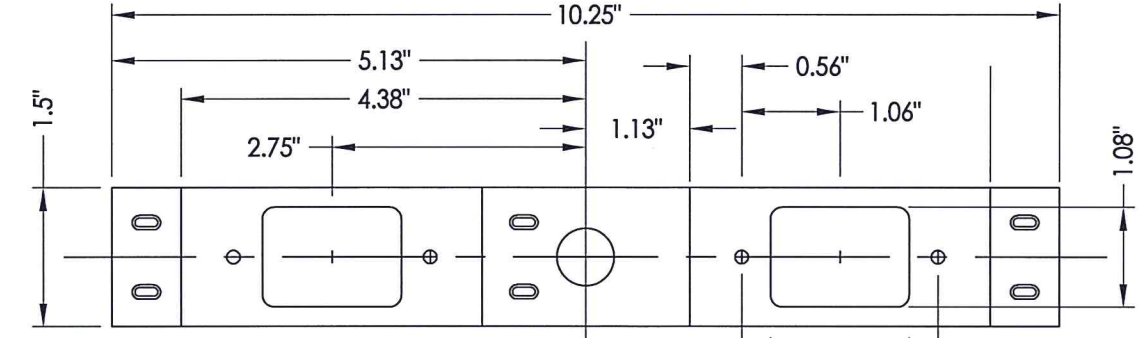
22 EXTERIOR FRAME



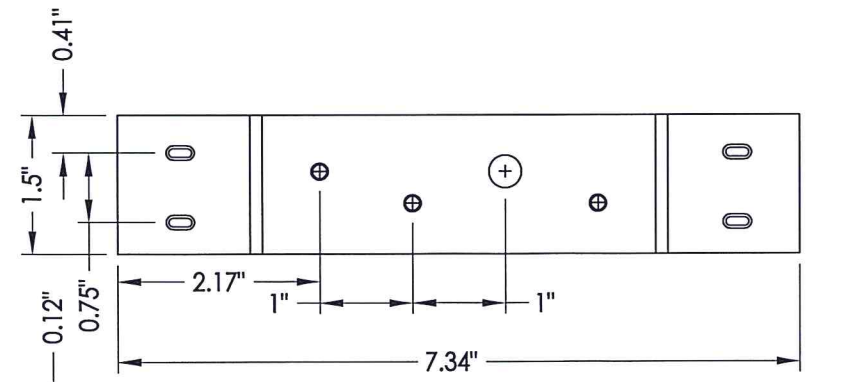
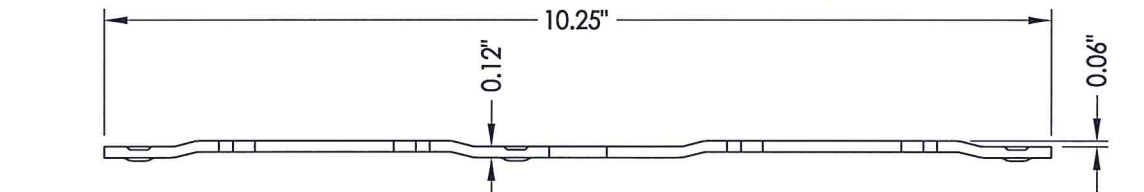
Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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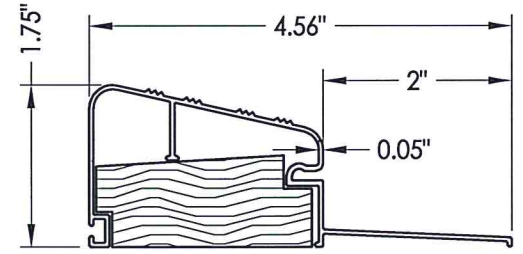
TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852



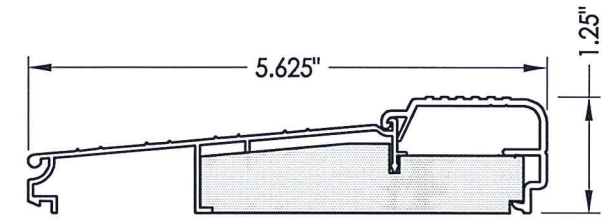
28 STRIKE REINFORCEMENT
Latch / Deadbolt



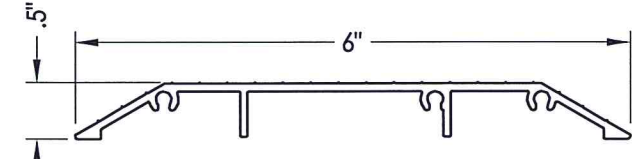
29 HINGE REINFORCEMENT



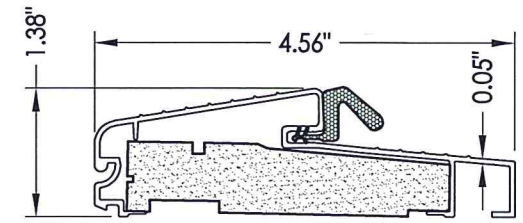
30 OUTSWING THRESHOLD
DLP



31 INSWING THRESHOLD
AFCO A-280



33 ADA THRESHOLD
AFCO A-202



32 OUTSWING THRESHOLD
AFCO A-496

PRODUCT:	TAYLOR STEEL DOOR	
PART OR ASSEMBLY:	BILL OF MATERIALS AND COMPONENTS	
NO.	DATE	BY
1	8/18/20	LFS
UPDATE TO 2018 IBC/IRC CODE		
REVISIONS		
DATE:	11/5/14	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4503	
SHEET	7	OF 7