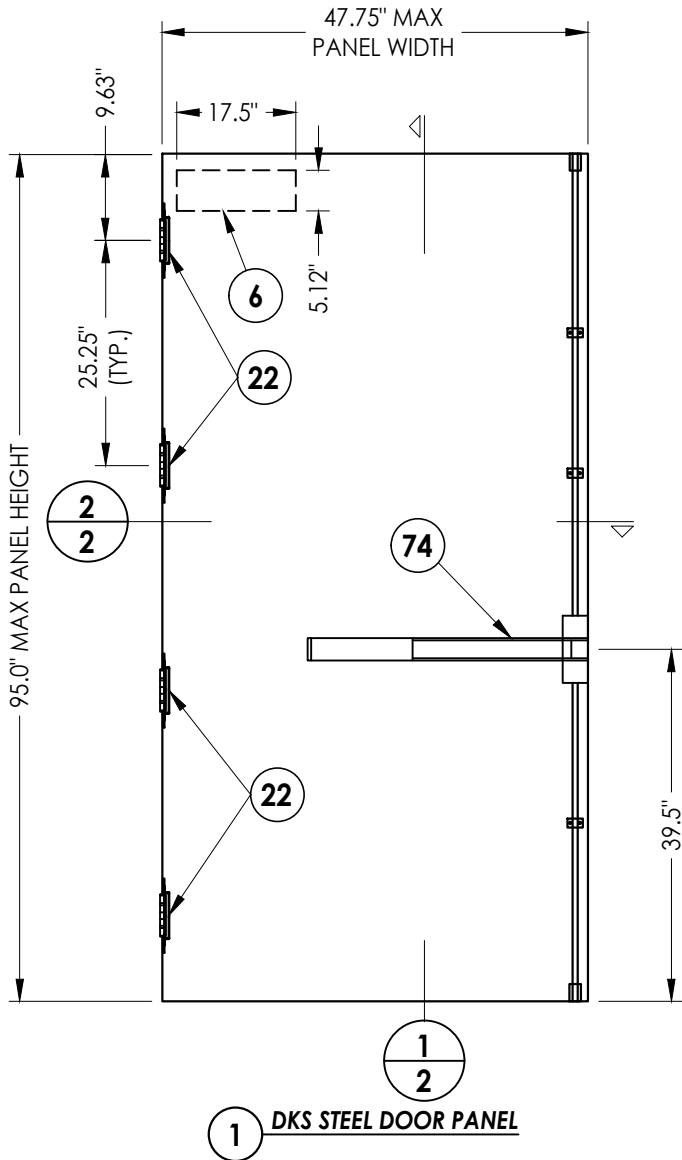
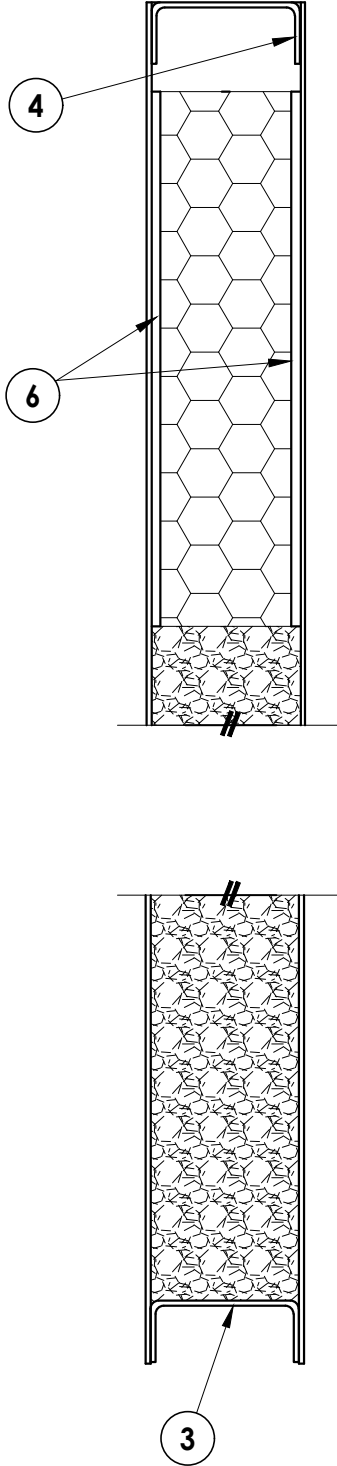
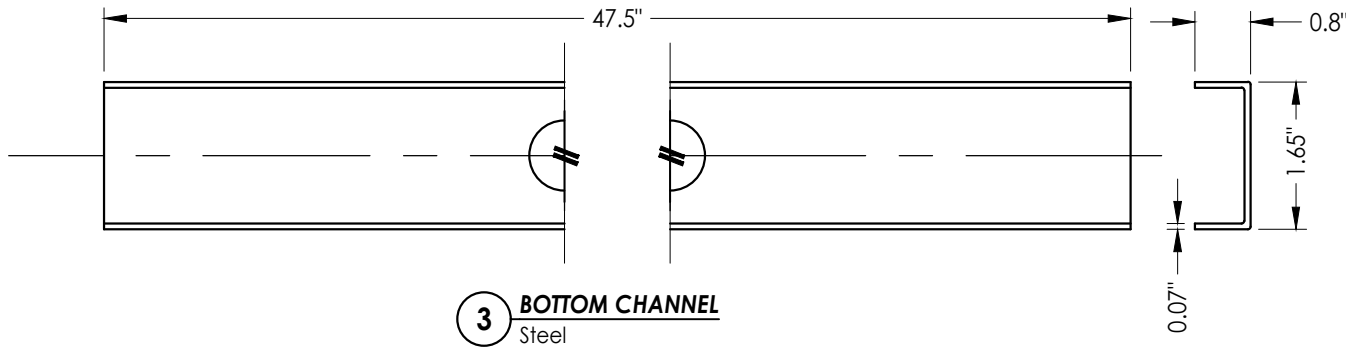
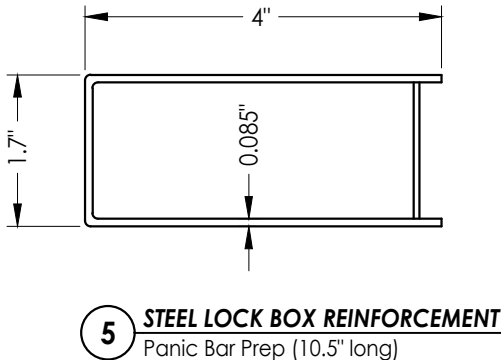
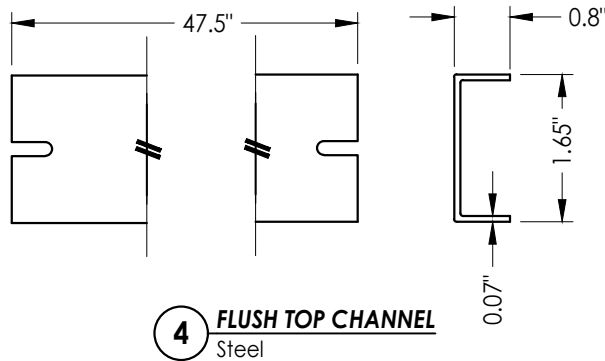
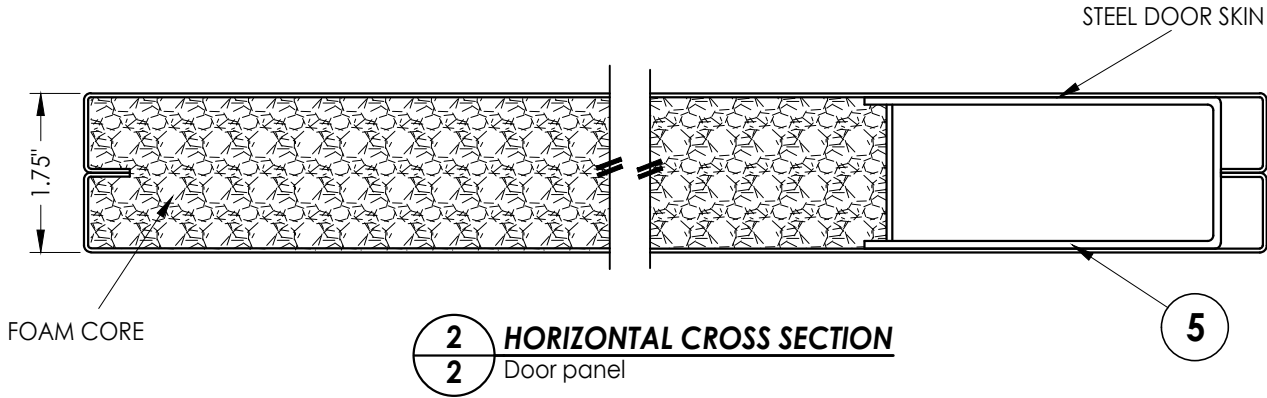


Z:\2023 FBC Drawings\DKS Steel Door & Frames Systems\FL-41130 R2\FL-41130.7-8.dwg



STEEL DOOR SKIN (18 GA.): MIN. 0.045" THK.
STEEL GRADE: ASTM A1008 GALV. STEEL (Fy = 33,000 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)



DATE:	3/21/22
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-41130.7
SHEET	2 OF 7

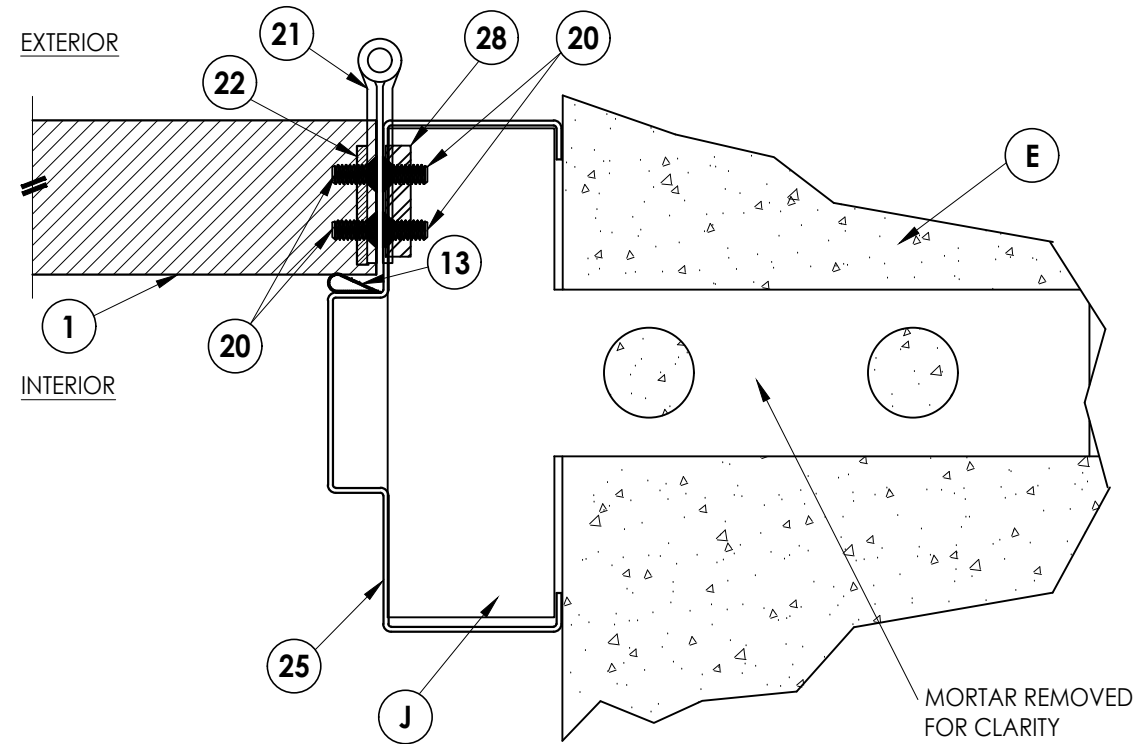
PRODUCT:		PART OR ASSEMBLY:	
DKS		STEEL COMMERCIAL DOOR	
		DOOR PANEL DETAILS	
		LFS	BY
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC	
1	7/01/23	UPDATE TO 8TH ED. (2023) FBC	
	NO.	DATE	

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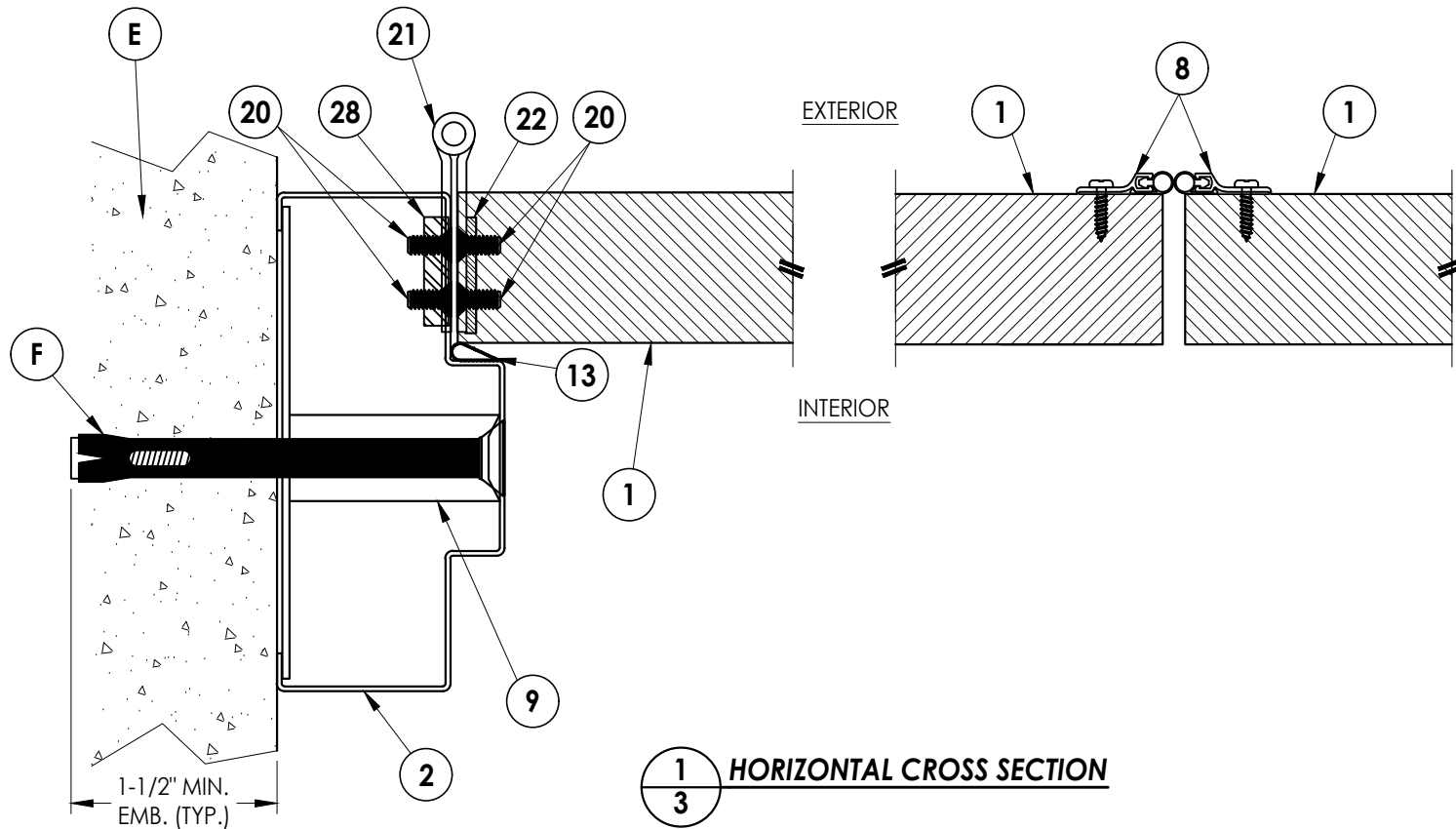
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

NOTE:
1. PANIC BAR SET SCREWS (#12-24 x 5/16")
MUST BE ACTIVATED TO ACHIEVE IMPACT
RATING. LOCATE ONE SCREW AT THE
END OF EACH PUSH BAR.



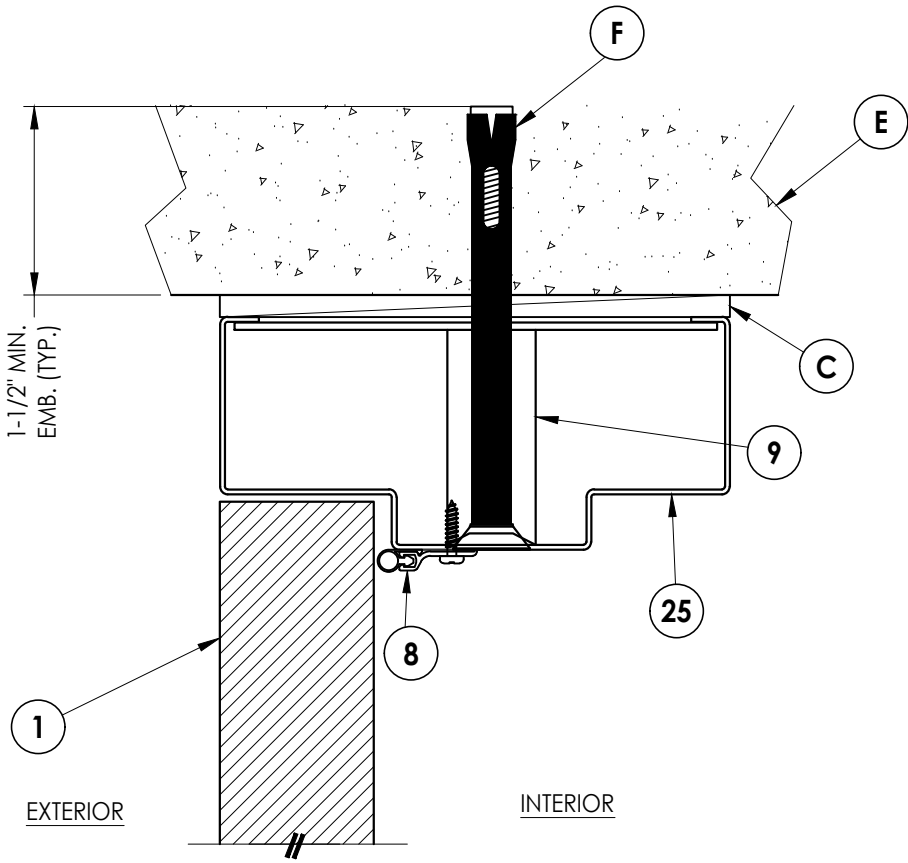
2 **HORIZONTAL CROSS SECTION**
 3 Masonry Construction
 Masonry "Tee" Anchor



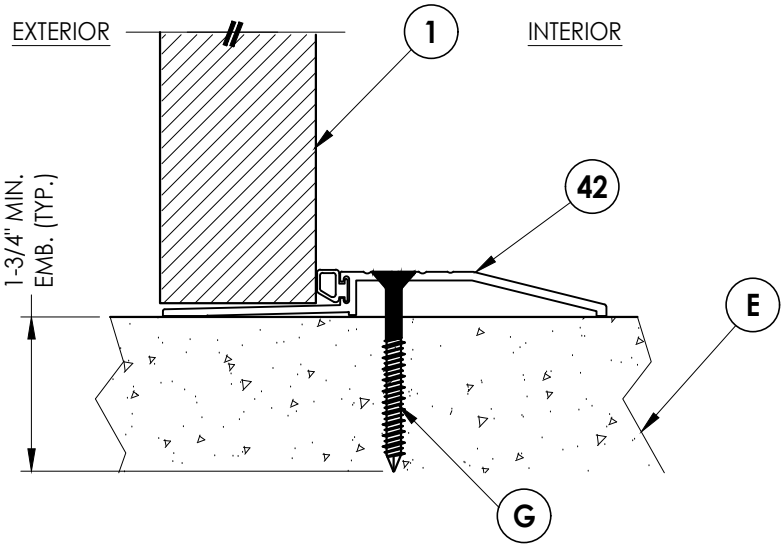
1 **HORIZONTAL CROSS SECTION**

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DWG. BY: LFS										BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
SCALE: N.T.S.										BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
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SCALE: N.T.S.</																			

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1
4 VERTICAL CROSS SECTION



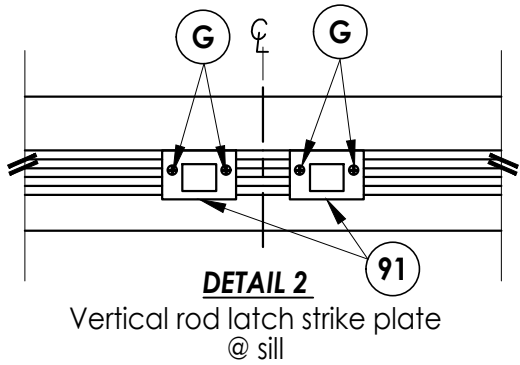
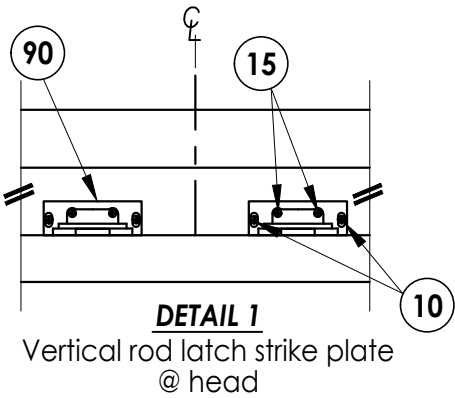
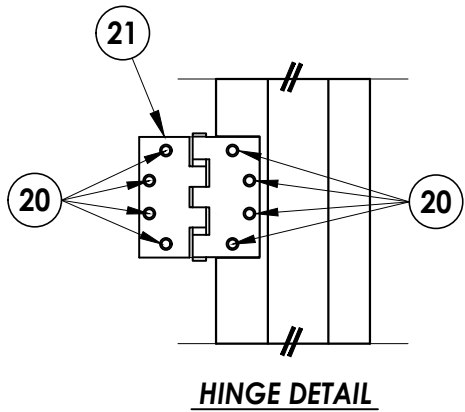
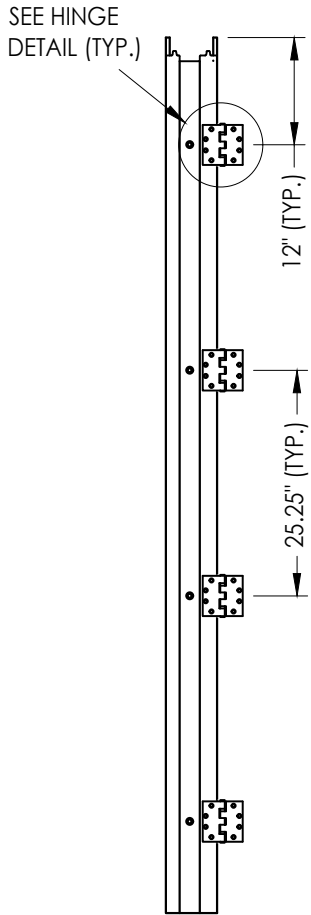
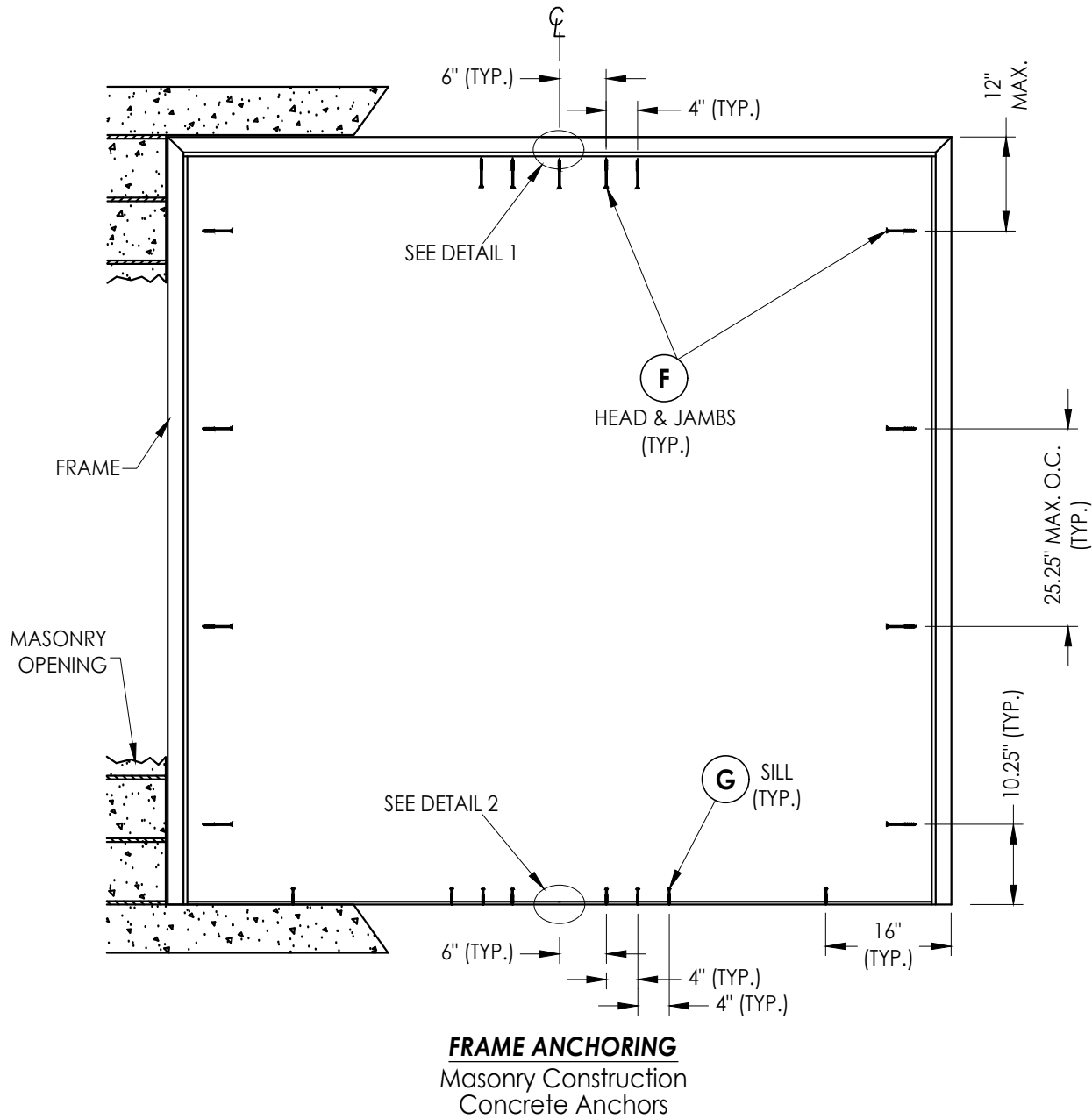
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4 VERTICAL CROSS SECTION
Outswing configuration

DATE: 3/21/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41130.7
SHEET 4 OF 7

PRODUCT:			
DKS STEEL COMMERCIAL DOOR			
PART OR ASSEMBLY:			
VERTICAL CROSS SECTIONS			
REVISIONS			
NO.	DATE	BY	
2	7/01/26	LFS	UPDATE TO 9TH ED. (2026) FBC
1	7/01/23	LFS	UPDATE TO 8TH ED. (2023) FBC

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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CONCRETE ANCHOR NOTES:

1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	2"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"

4. Embedment may be through 1-1/4" face shell of hollow block.

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P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:
DKS
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
1	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS

DATE: 3/21/22

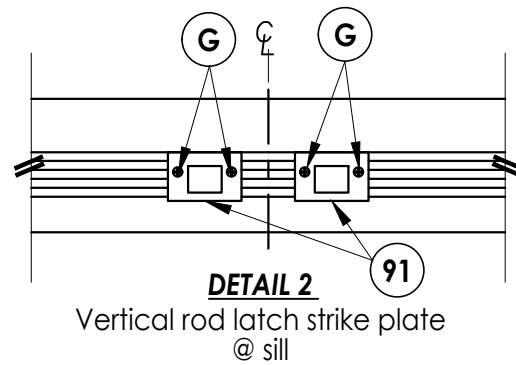
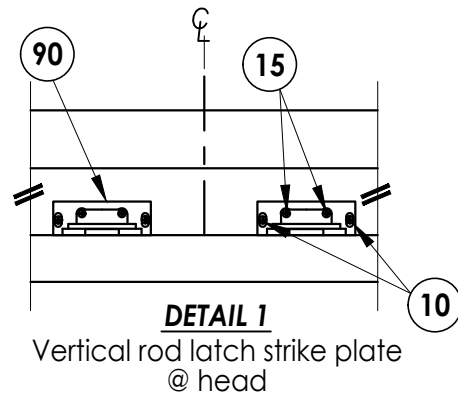
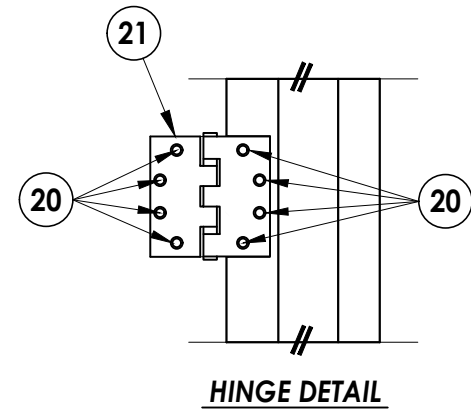
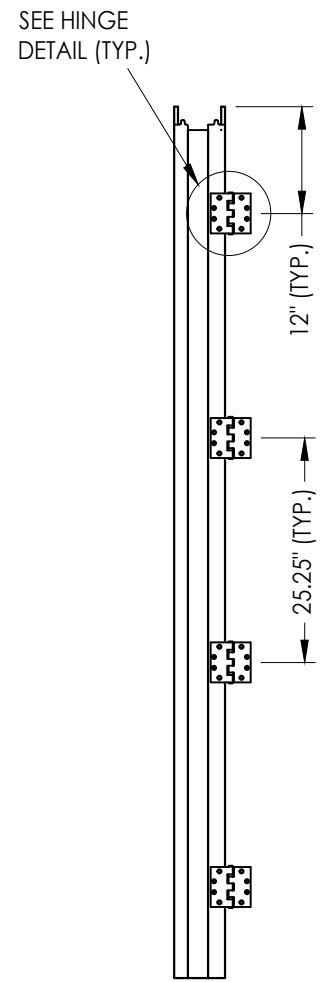
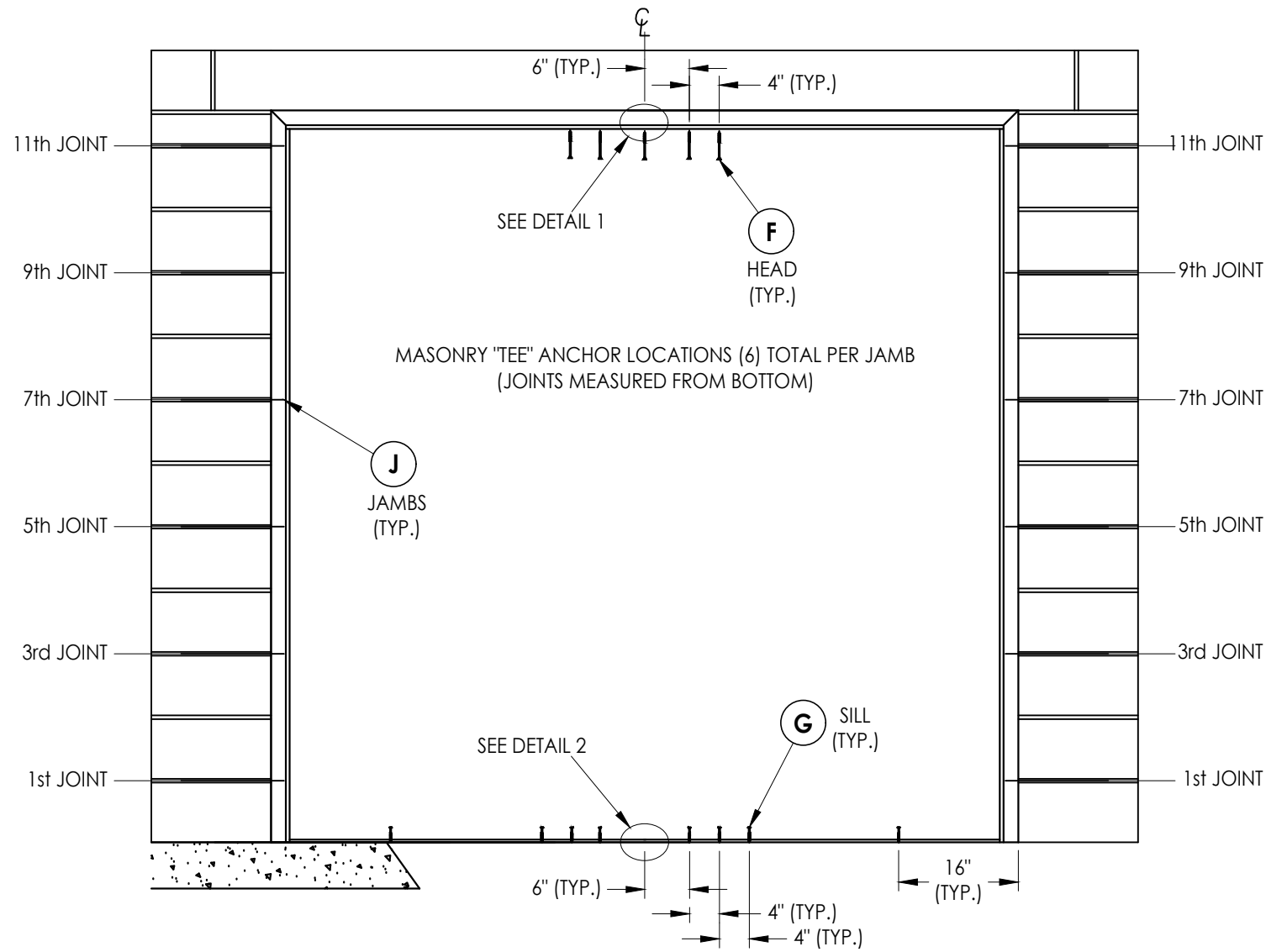
SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-41130.7

SHEET 5 OF 7



CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

CONCRETE ANCHOR NOTES:

1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-3/4"	2-1/2"	2"
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"

FRAME ANCHORING

Masonry Construction
Masonry "Tee" Anchors

HINGE JAMB

HINGE DETAIL

DETAIL 1

Vertical rod latch strike plate
@ head

DETAIL 2

Vertical rod latch strike plate
@ sill

Documents Prepared By:
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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: DKS
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:

FRAME ANCHORING

[illegible]

DATE: 3/21/22

SCALE: *N.T.S.*

DWG. BY: *LFS*

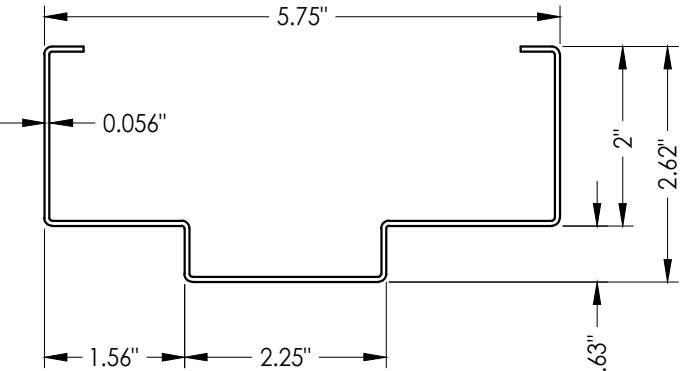
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DRAWING NO.:

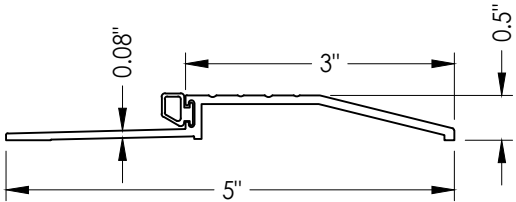
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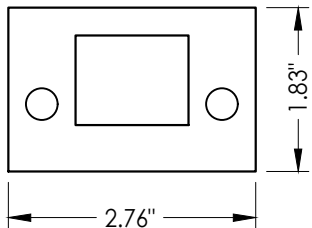
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/8" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL
G	1/4" X 2-1/4" ITW PFH CONCRETE SCREW	STEEL
J	MASONRY "TEE" ANCHOR	STEEL
1	DKS DOOR PANEL	-
3	DOOR BOTTOM CHANNEL	STEEL
4	DOOR TOP CHANNEL	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
6	CLOSER REINFORCEMENT (11 GA.)	STEEL
8	WEATHERSTRIP - PEMKO 303A	NEOPRENE
9	TUBE ANCHOR	STEEL
10	#12-24 X 1" COMBINATION MACHINE / WOOD SCREW	STEEL
11	DOOR SWEEP- PEMKO 3151	PVC
13	WEATHERSTRIP - COMPRESSION BULB 1/4" X 1/2" (PEMKO S88)	NEOPRENE
15	#8-24 X 3/4" COMBINATION MACHINE / WOOD SCREW	STEEL
20	#12-24 X 1/2" PFH MACHINE SCREW	STEEL
21	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
22	DOOR HINGE REINFORCEMENT	STEEL
25	HOLLOW FRAME 2"	STEEL
28	FRAME HINGE REINFORCEMENT	STEEL
29	DOOR BOTTOM REINFORCEMENT w/ STRIKE PLATE	STEEL
42	OUTSWING THRESHOLD - PEMKO 2001P	ALUM
74	CAL-ROYAL 7700-V SERIES VERTICAL ROD EXIT DEVICE	-
90	VERTICAL ROD LATCH STRIKE PLATE @ HEAD	STEEL
91	VERTICAL ROD LATCH STRIKE PLATE @ SILL	STEEL



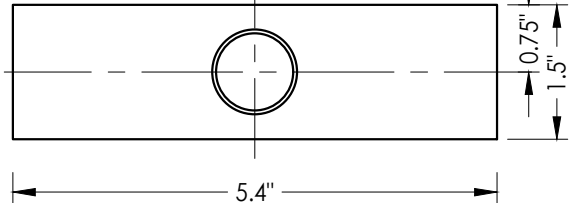
25 HOLLOW METAL FRAME



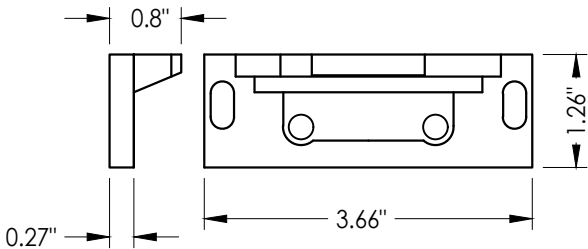
42 THRESHOLD
Pemko 2001P



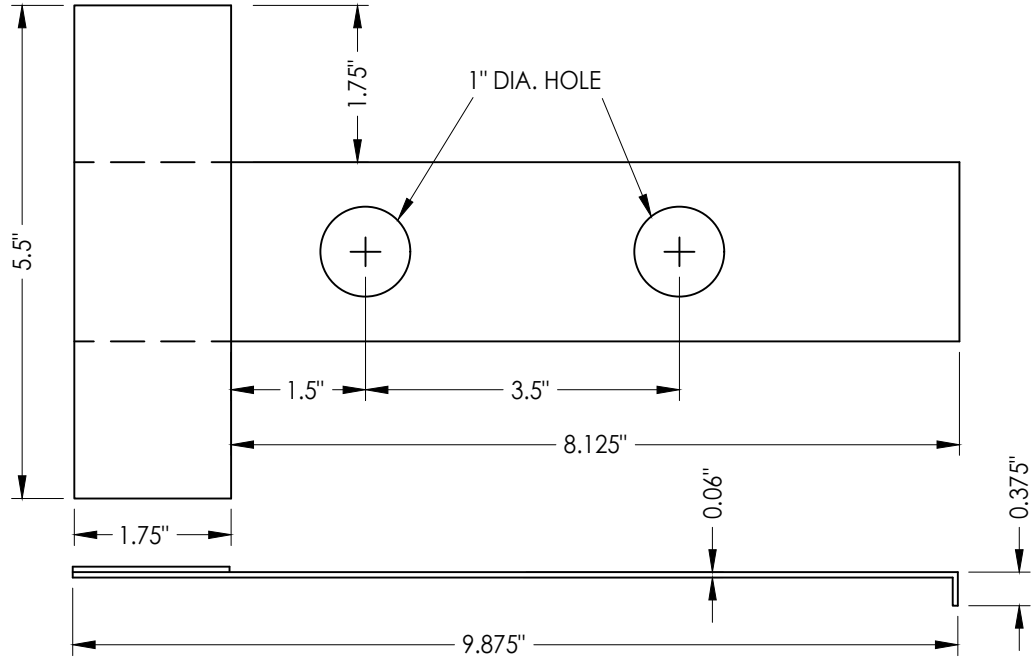
91 VERTICAL ROD LATCH STRIKE PLATE
@ Sill



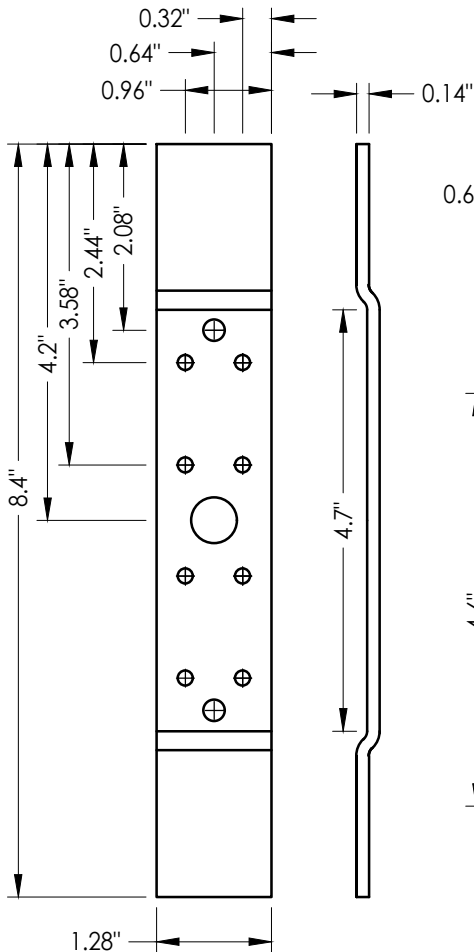
9 TUBE ANCHOR



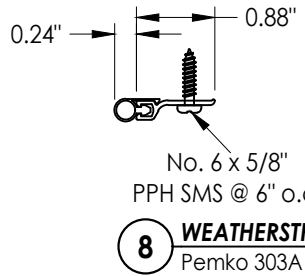
90 VERTICAL ROD LATCH STRIKE PLATE
@ Head



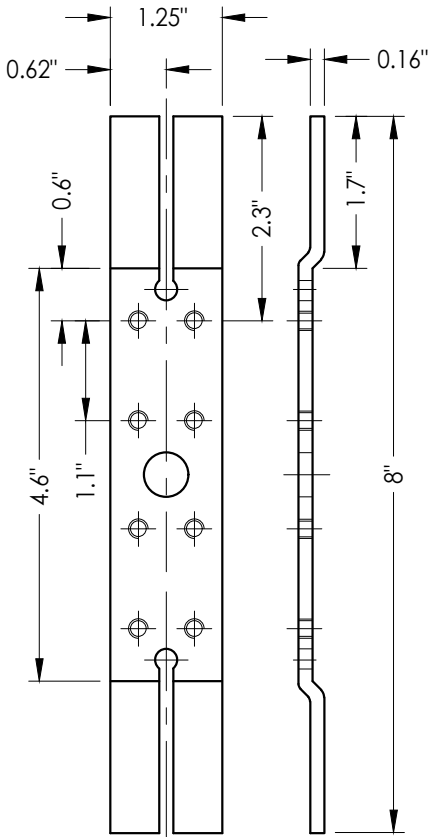
J MASONRY "TEE" ANCHOR



28 FRAME HINGE REINFORCEMENT



8 WEATHERSTRIP
Pemko 303A



22 DOOR HINGE REINFORCEMENT

Documents Prepared By:
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PRODUCT:
DKS
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS AND
COMPONENTS

NO.	DATE	REVISIONS
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SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41130.7

SHEET 7 OF 7