



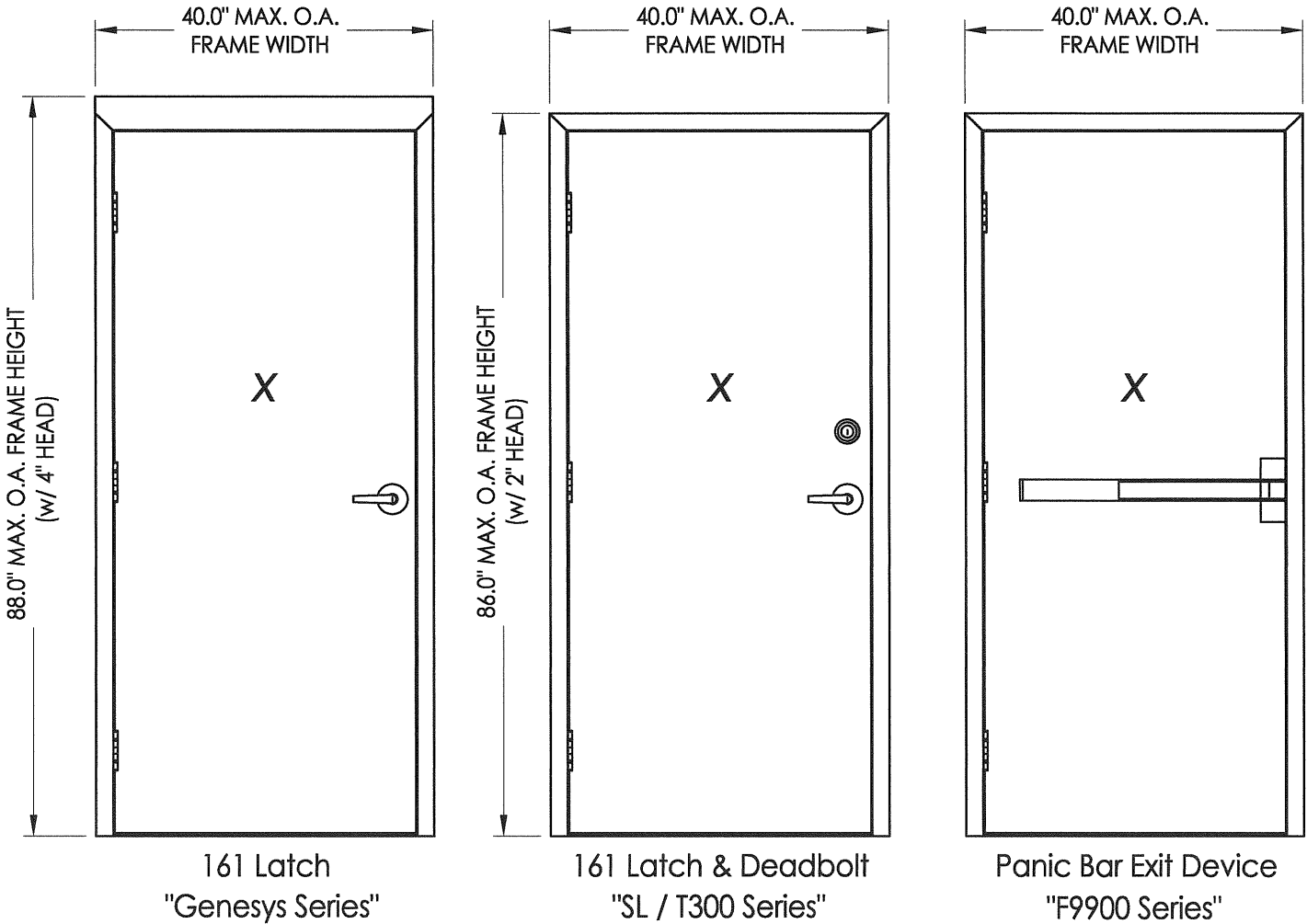
6605 Flotilla Street
City of Commerce
CA 90040

DKS SERIES 1800
STEEL COMMERCIAL SINGLE DOOR
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
4. This door achieves a Class I Stiffness classification per Section 8.2.2 of ANSI A250.13.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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1	Typical elevation, design pressures & general notes
2	Door panel details
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4	Vertical cross sections
5	Frame anchoring
6	Frame anchoring details
7	Components
8	Bill of materials and components



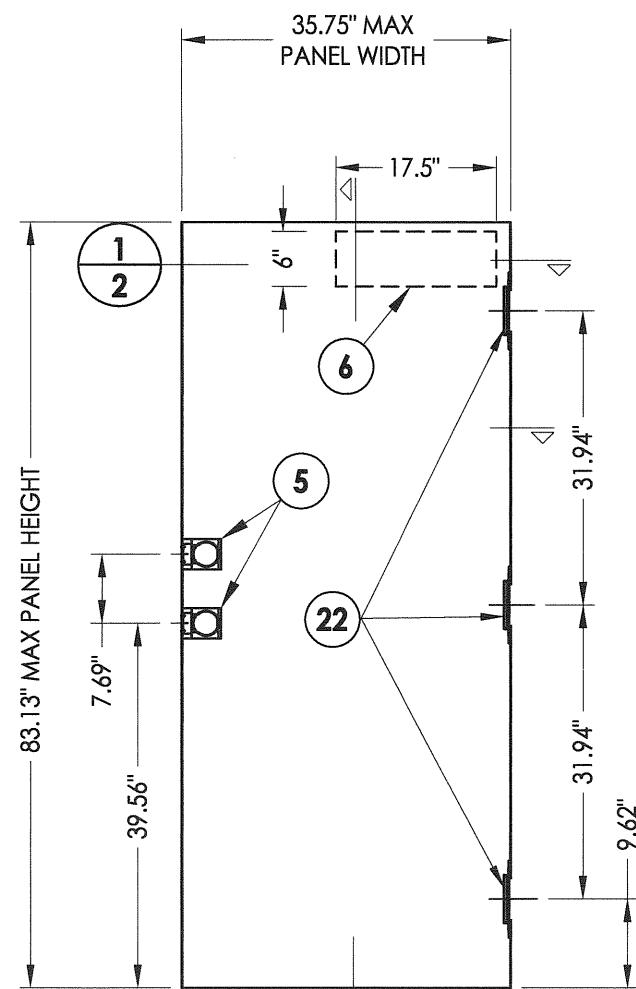
MAX FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
40.00" x 88.00"	161 LATCH & DEADBOLT "SL / T300 Series"	+55.0	-55.0	+55.0	-55.0
40.00" x 88.00"	161 LATCH "Genesys Series"	+70.0	-70.0	+70.0	-70.0
40.00" x 88.00"	PANIC BAR EXIT DEVICE "F9900 Series"	N/A	N/A	+70.0	-70.0

Documents Prepared By:
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
7/12/10
Lyndon F. Schmidt, P.E. No. 43409

PRODUCT: CAL-ROYAL
STEEL COMMERCIAL DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

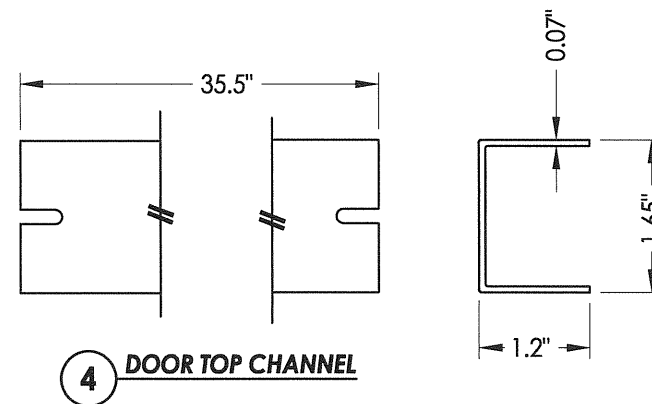
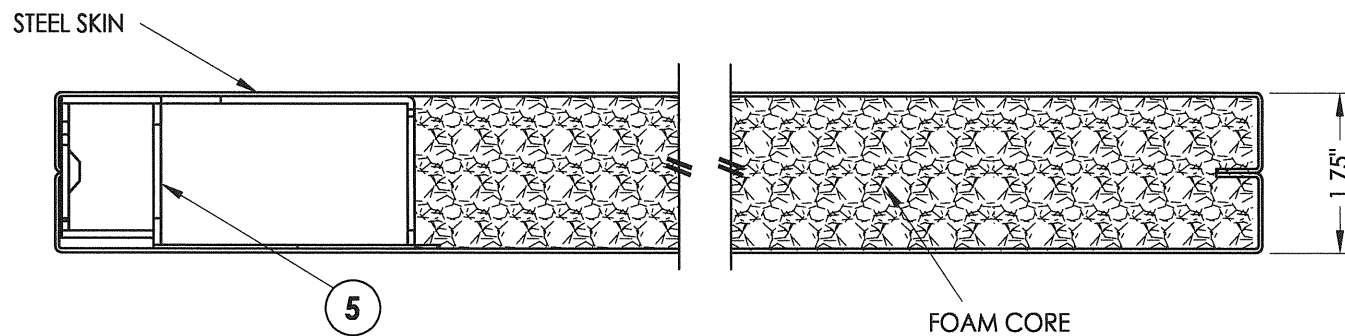
REVISIONS	
NO.	DATE

DATE: 05/25/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-13624.3
SHEET 1 OF 8

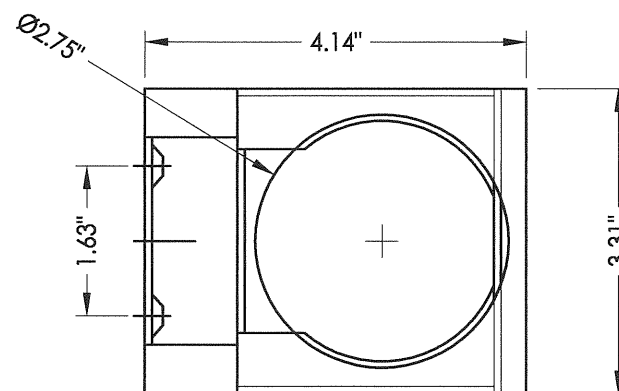


1 CAL-ROYAL DOOR PANEL

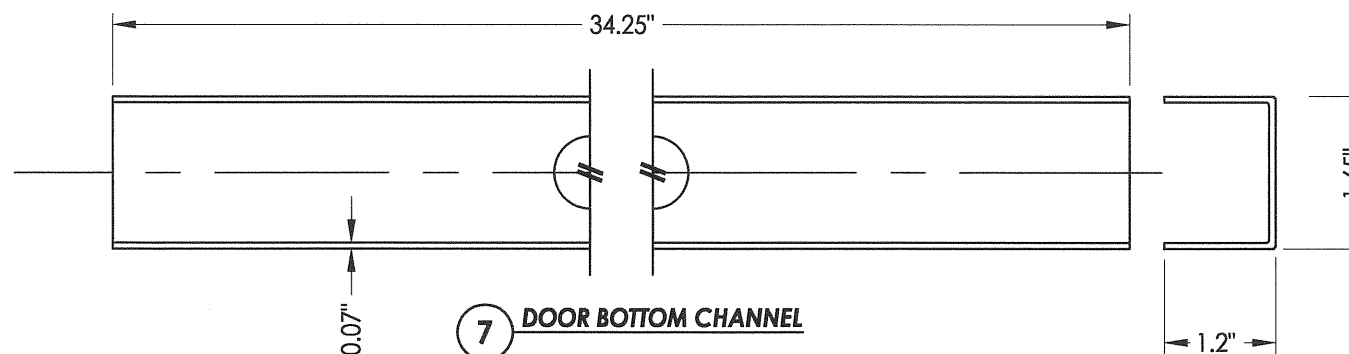
**1
2 HORIZONTAL CROSS SECTION**



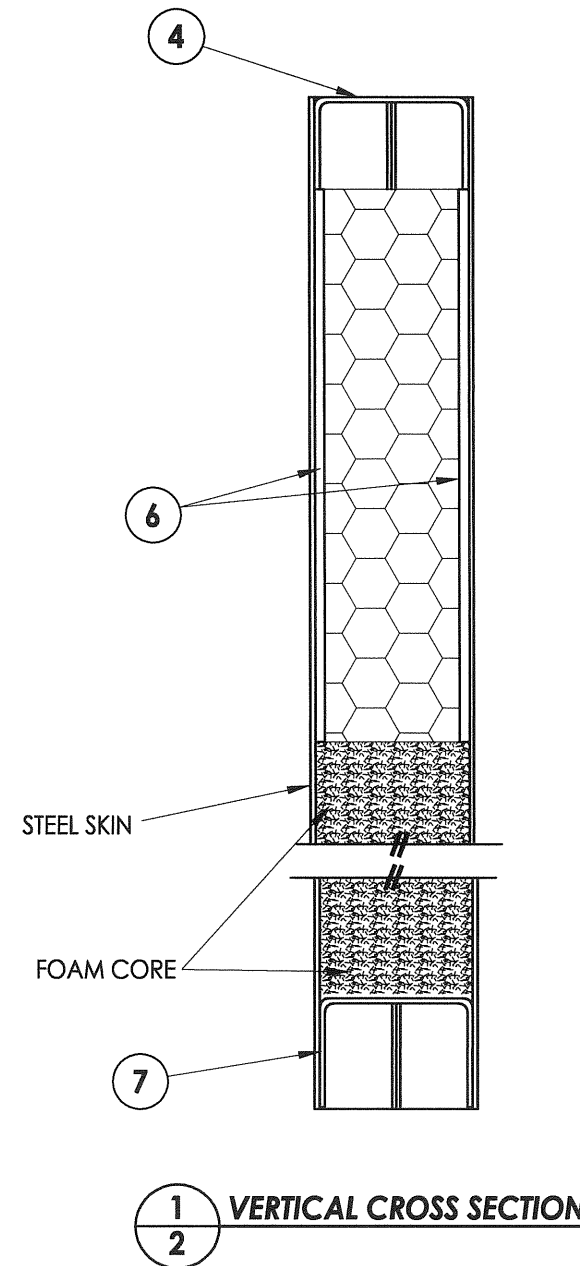
4 DOOR TOP CHANNEL



5 LOCK BOX REINFORCEMENT
161 Lock prep only



7 DOOR BOTTOM CHANNEL



**1
2 VERTICAL CROSS SECTION**

STEEL DOOR SKIN: MIN. 0.048" THK. (18 GA.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)

PRODUCT:

CAL-ROYAL
STEEL COMMERCIAL DOOR

PART OR ASSEMBLY:

DOOR PANEL DETAILS

DATE: 05/25/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

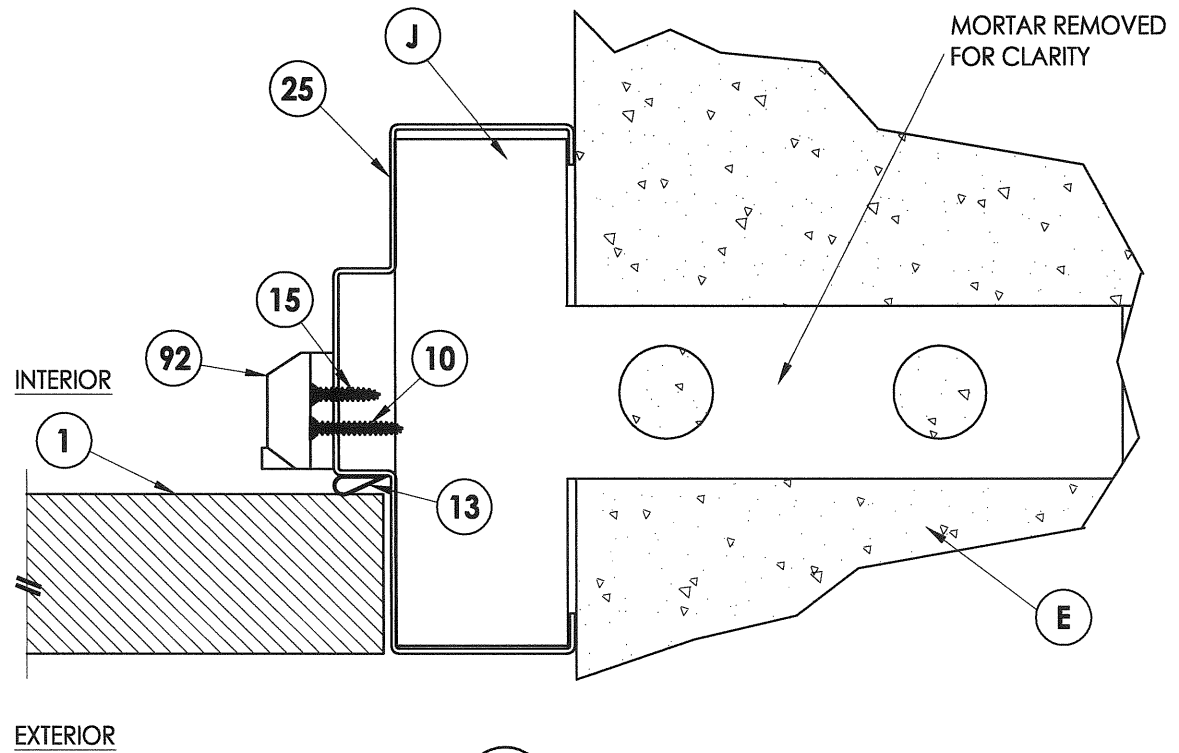
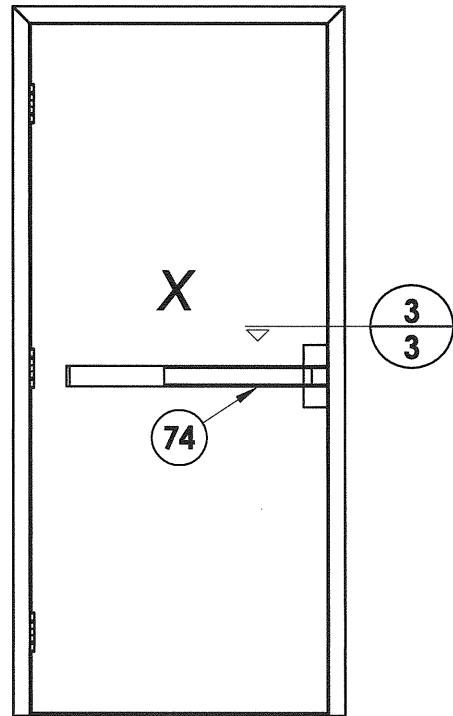
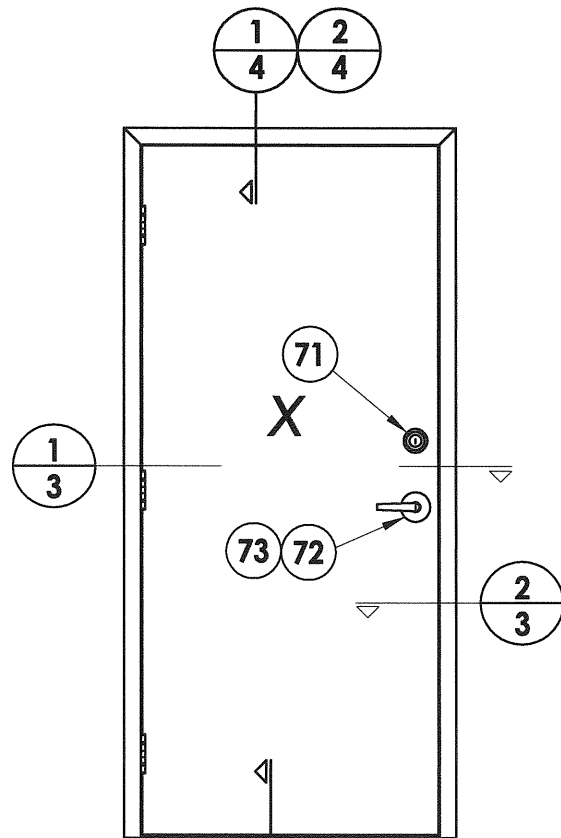
FL-13624.3

SHEET 2 OF 8

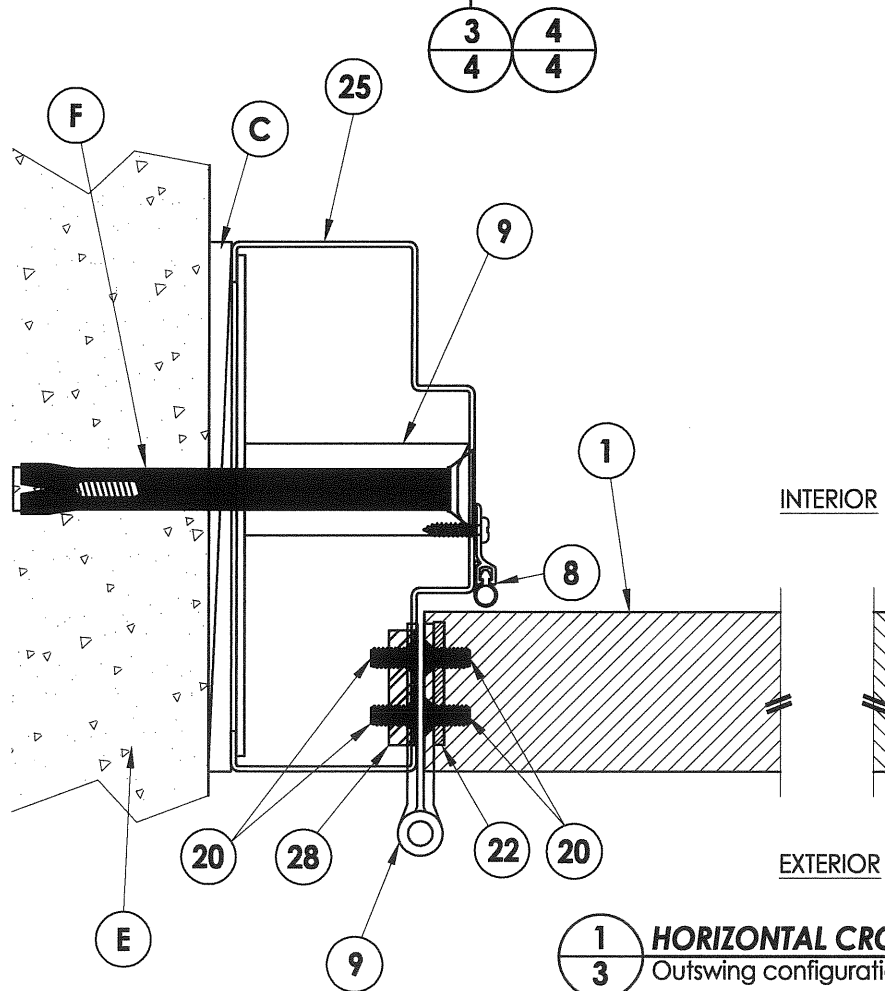
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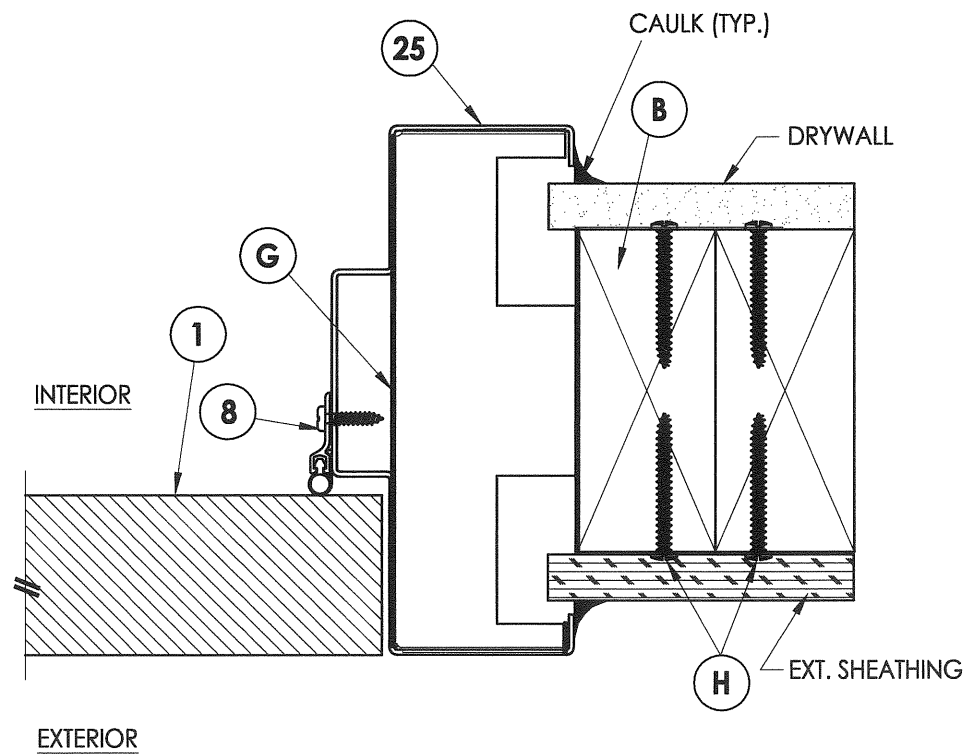
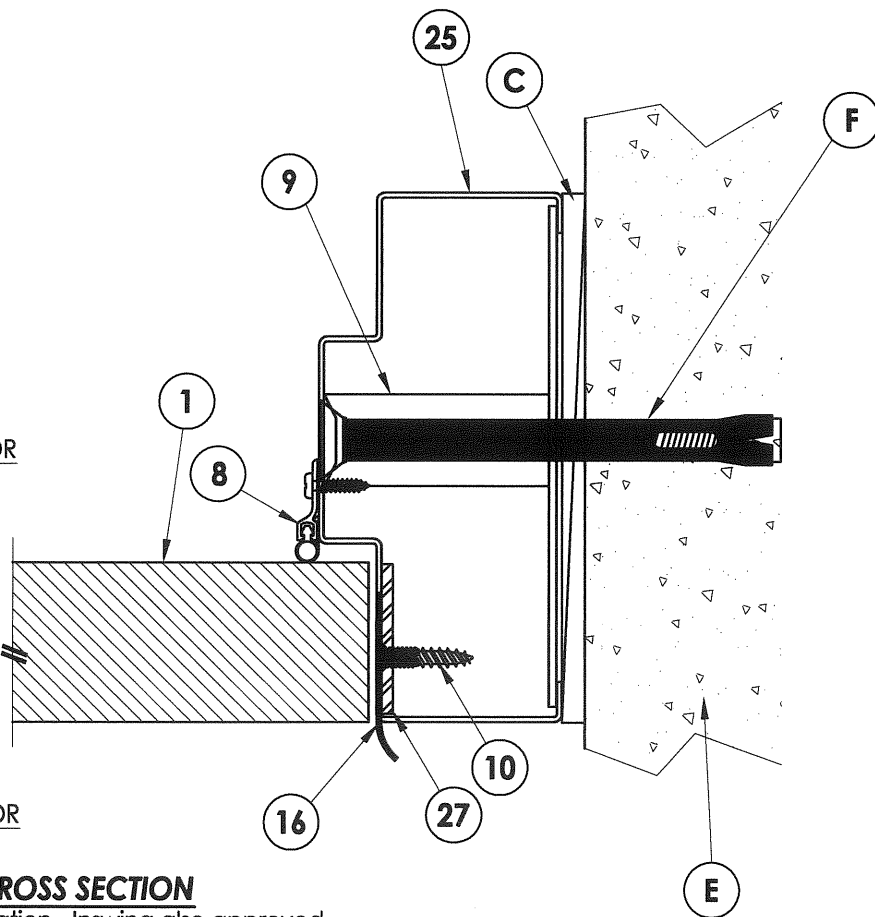
Lyndon F. Schmidt, P.E. No. 43409



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



1 **HORIZONTAL CROSS SECTION**
3 Outswing configuration - Inswing also approved



2 HORIZONTAL CROSS SECTION
3 2X Stud Construction
 Wood Stud Anchor

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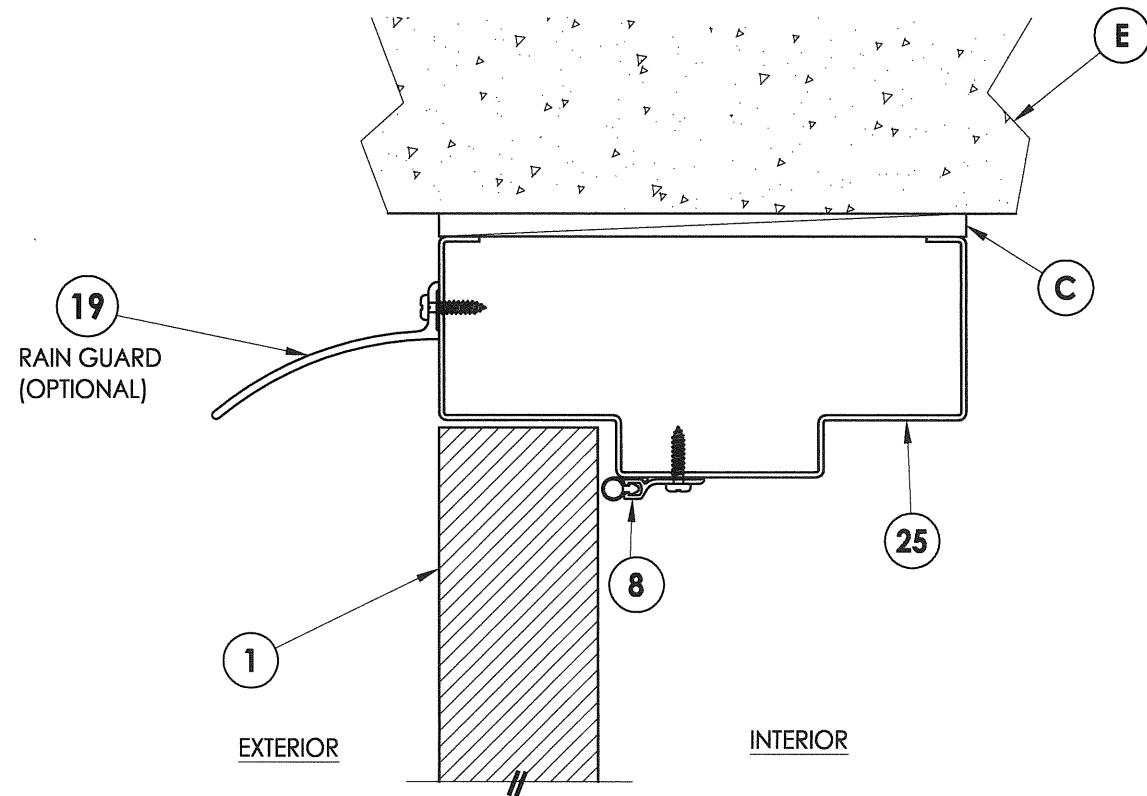
PRODUCT:

CAL-ROYAL
STEEL COMMERCIAL DOOR

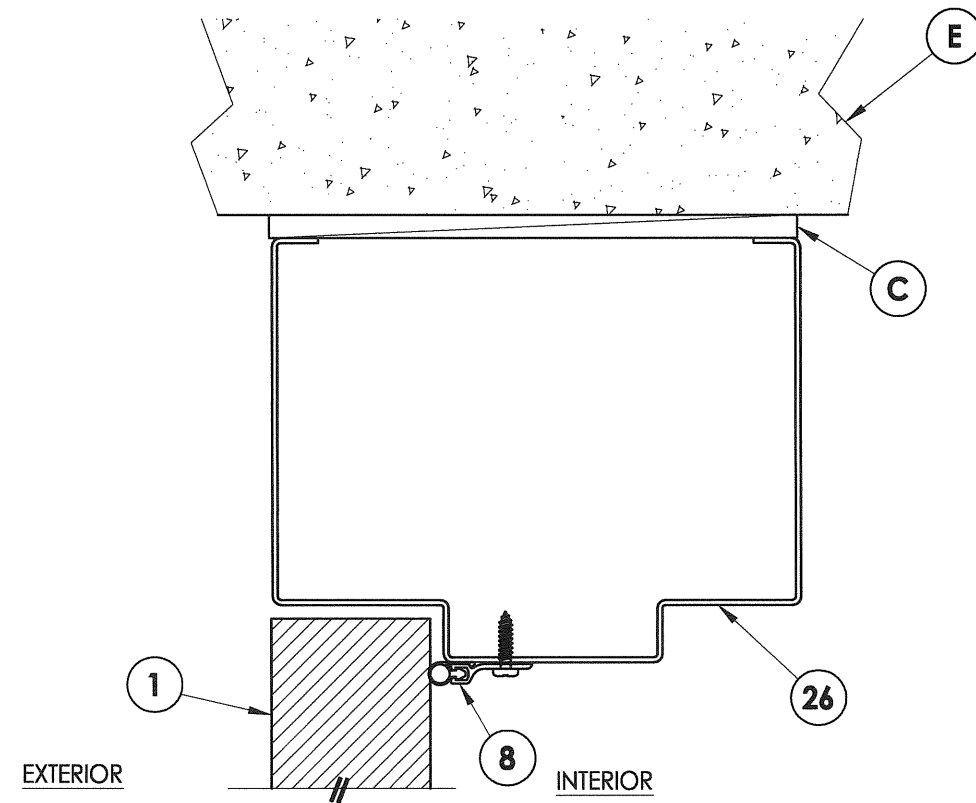
PART OR ASSEMBLY:

HORIZONTAL CROSS SECTIONS

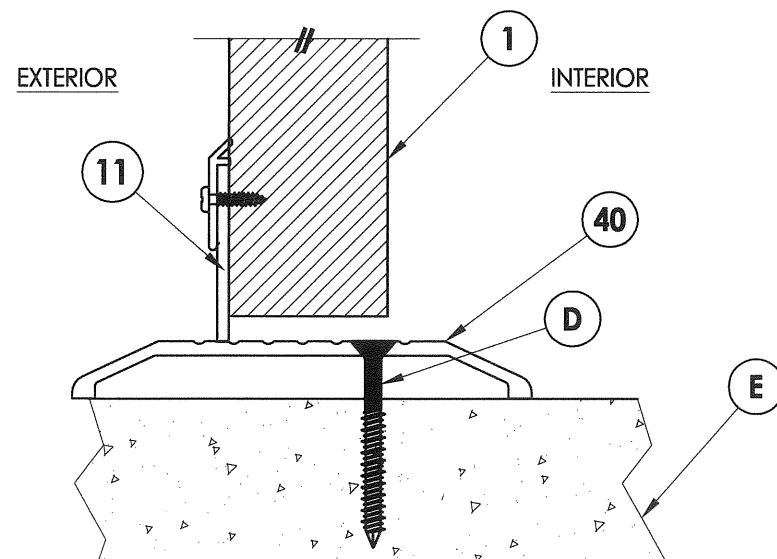
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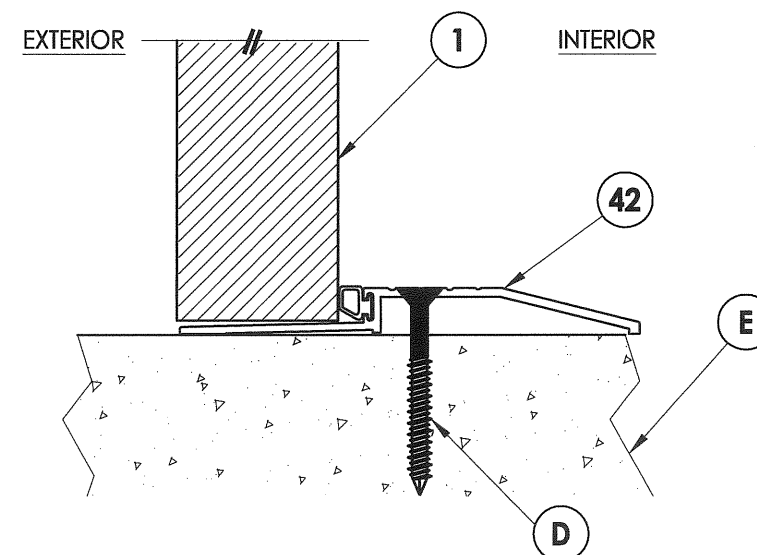
1
4 **VERTICAL CROSS SECTION**
Outswing configuration - Inswing also approved



2
4 **VERTICAL CROSS SECTION**
Outswing configuration - Inswing also approved



3
4 **VERTICAL CROSS SECTION**
Inswing configuration



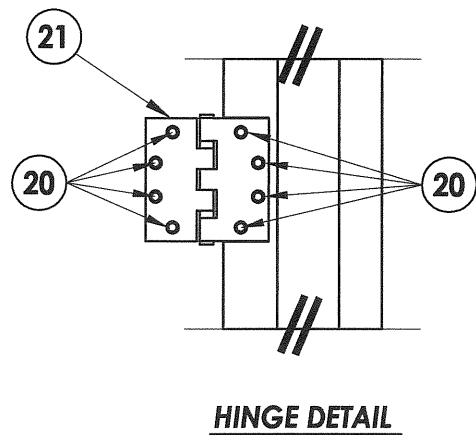
4
4 **VERTICAL CROSS SECTION**
Outswing configuration

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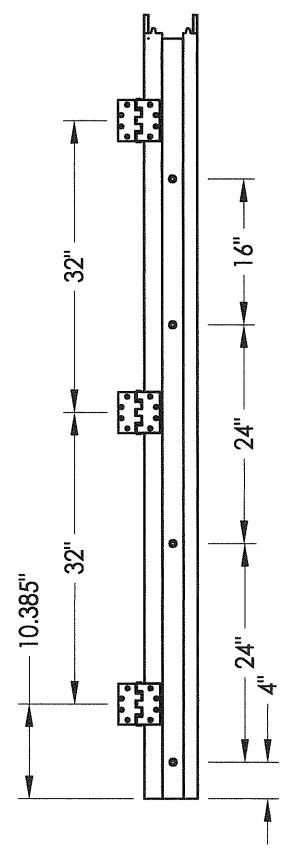
PRODUCT:
CAL-ROYAL
STEEL COMMERCIAL DOOR
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY

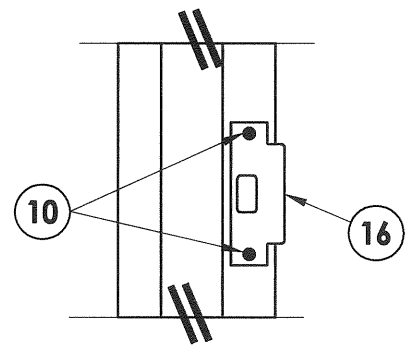
DATE: 5/25/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-13624.3
SHEET 4 OF 8



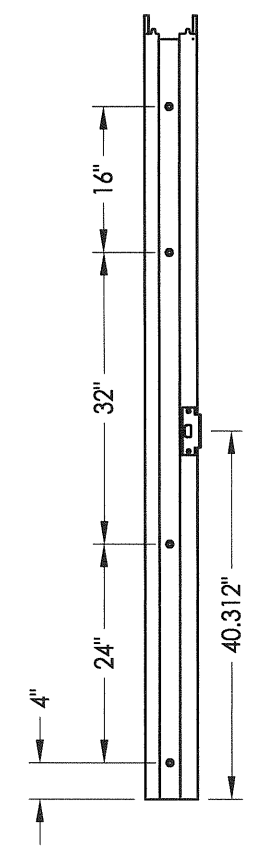
HINGE DETAIL



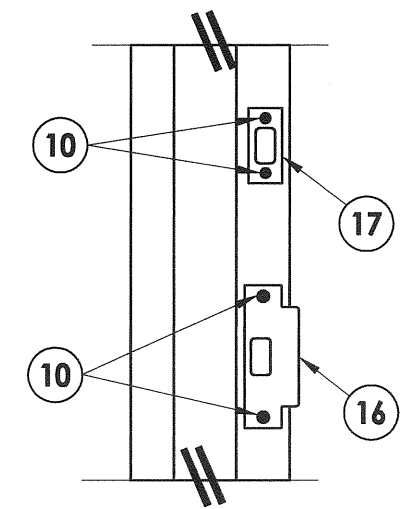
HINGE JAMB



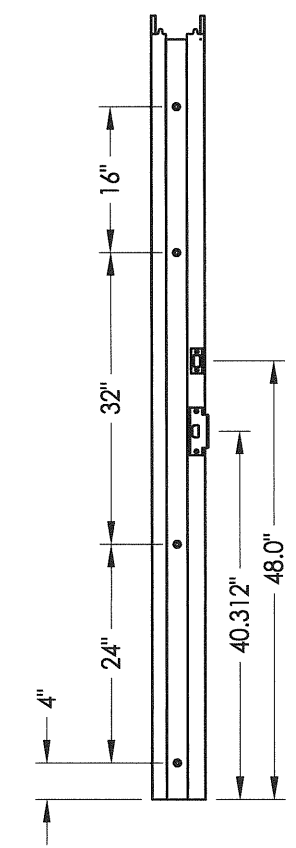
LATCH DETAIL
161 Latch



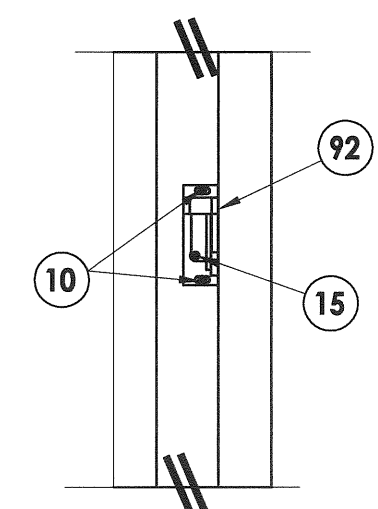
STRIKE JAMB
161 Latch



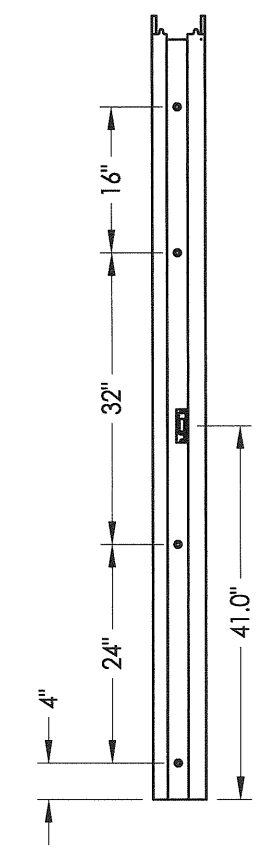
LATCH & DEADBOLT DETAIL
161 Latch & Deadbolt



STRIKE JAMB
161 Latch & Deadbolt



LATCH DETAIL
Panic Bar



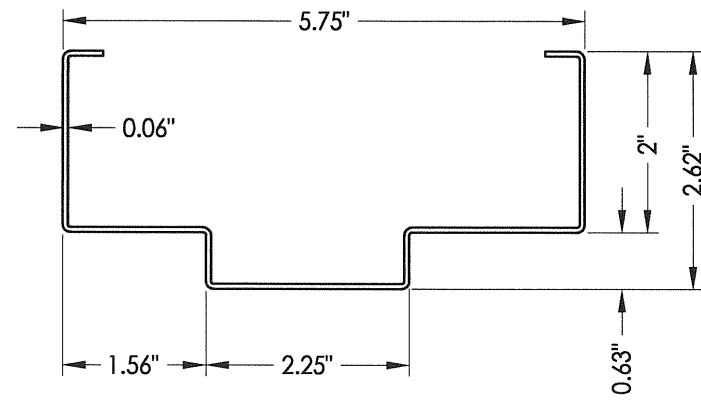
STRIKE JAMB
Panic Bar

DATE: 05/25/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-13624.3
SHEET 6 OF 8

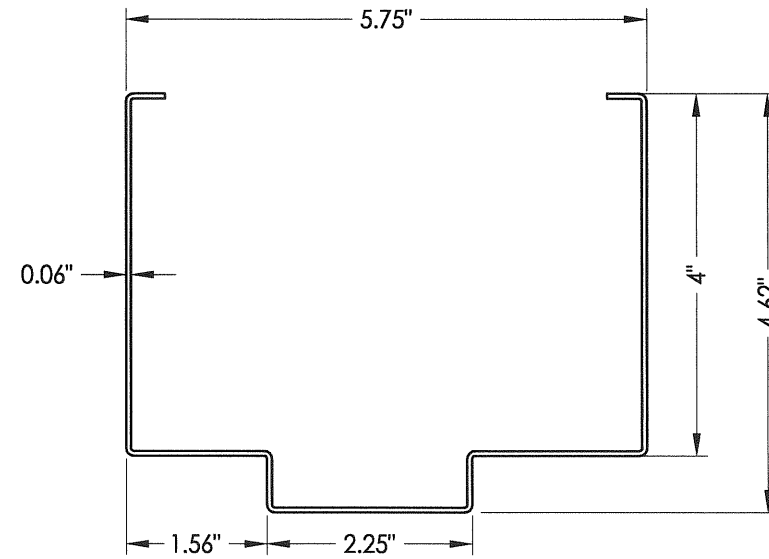
NO.	DATE	REVISIONS	BY

PRODUCT:	CAL-ROYAL STEEL COMMERCIAL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING DETAILS

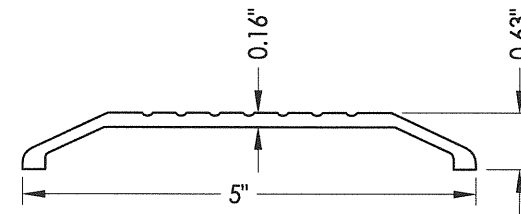
Documents Prepared By:
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 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
Lyndon F. Schmidt 12-10
 Lyndon F. Schmidt, P.E. No. 43409



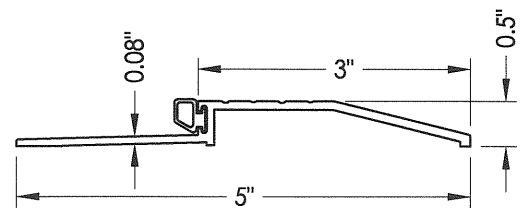
26 HOLLOW METAL FRAME
2" HEAD



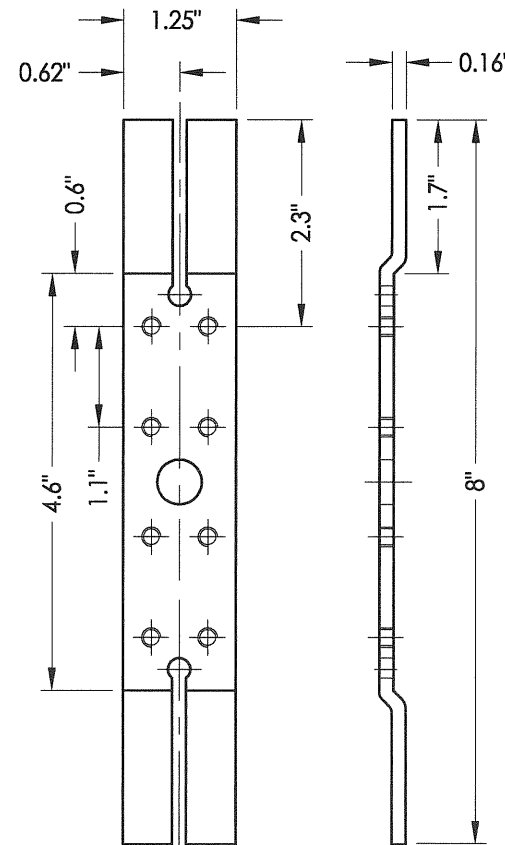
26 HOLLOW METAL FRAME
4" HEAD



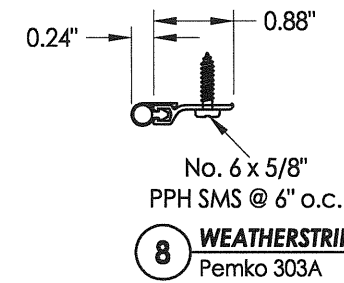
40 THRESHOLD
Pemko 156



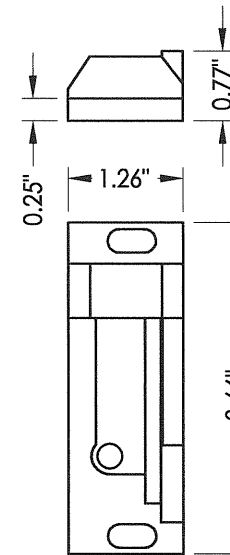
42 THRESHOLD
Pemko 2001P



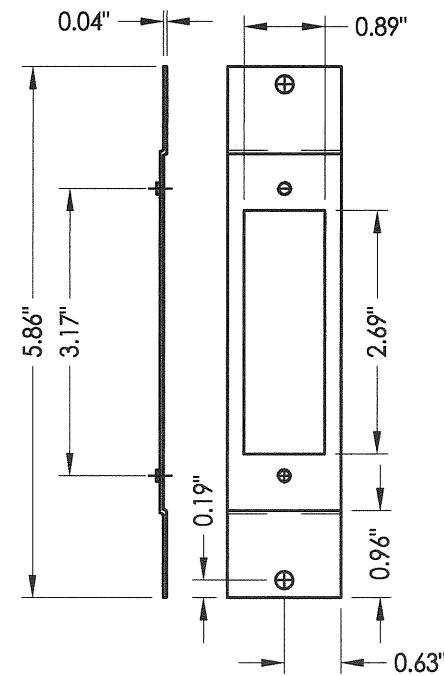
22 DOOR HINGE REINFORCEMENT



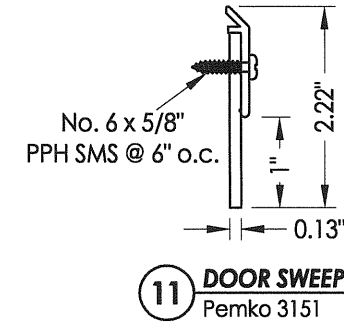
8 WEATHERSTRIP
Pemko 303A



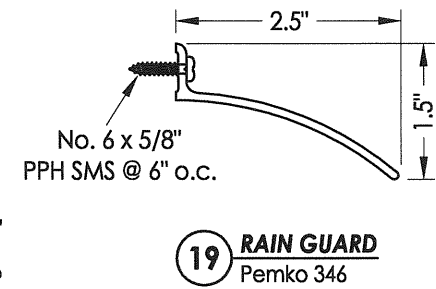
92 PANIC BAR LATCH STRIKE PLATE
@ Jamb



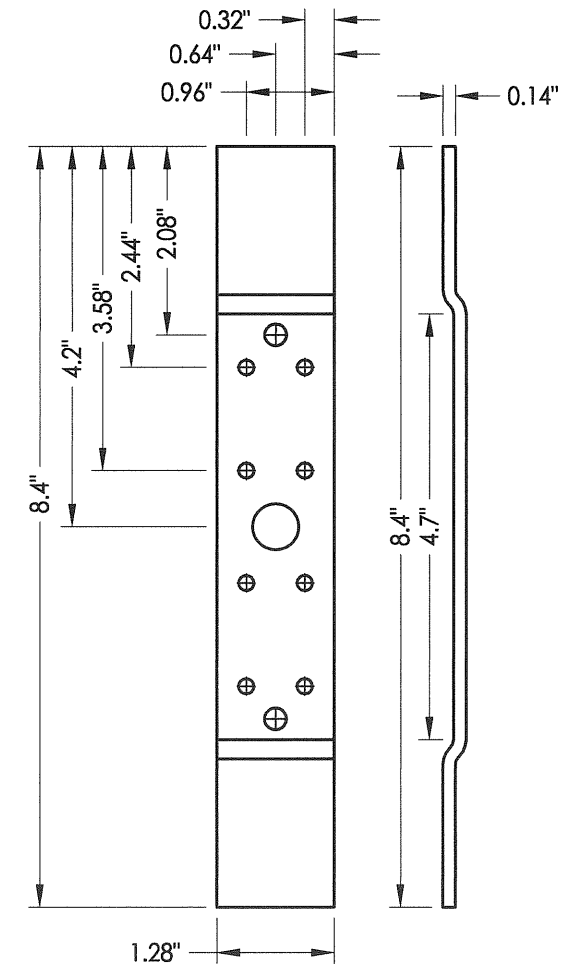
27 FRAME LATCH STRIKE REINFORCEMENT



11 DOOR SWEEP
Pemko 3151



19 RAIN GUARD
Pemko 346



28 FRAME HINGE REINFORCEMENT

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Lyndon F. Schmidt, P.E. No. 43409

PRODUCT: CAL-ROYAL
STEEL COMMERCIAL DOOR
PART OR ASSEMBLY: COMPONENTS

NO.	DATE	BY

DATE: 05/25/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-13624.3
SHEET 7 OF 8

