

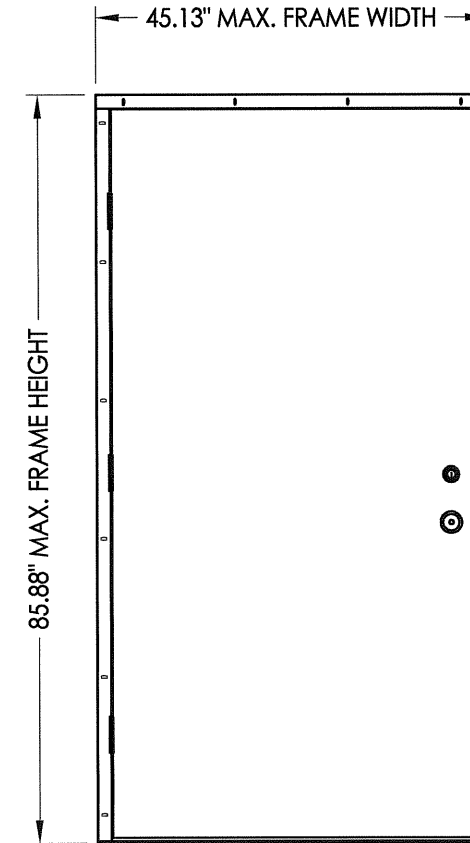
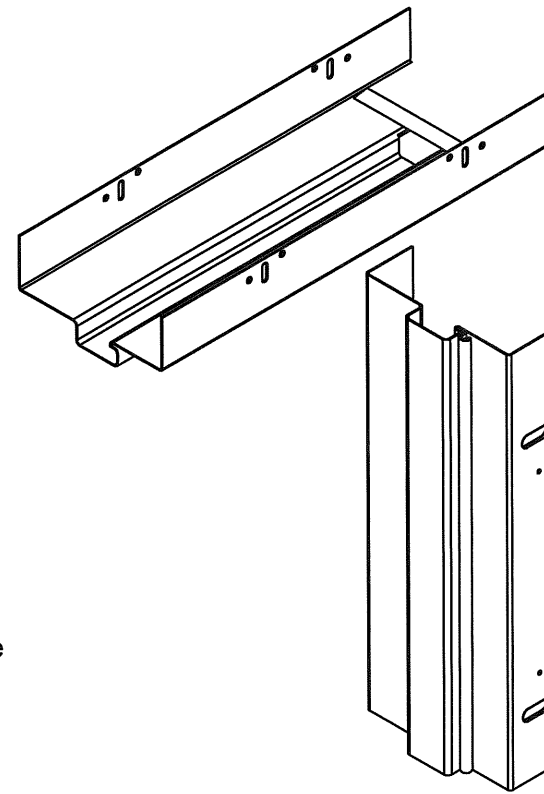


21300 W 8 Mile Rd.
Southfield, MI 48075-5638

ENTRY-FIT™ "F-Series" FIXED STEEL DOOR FRAME Utilizing a Steel Door Panel "IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- When used in areas outside of the "HVHZ" 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 E 1996 and Section 1609.1.2.2 of the FBC.
- This product has been tested with the door panels as specified in this approval. Substitution of a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the steel door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the steel side hinged swing door approval being used.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- Configurations utilizing the high-dam outswing bump threshold (item #30) meet water infiltration requirements for the "HVHZ".
- Configurations utilizing inswing threshold (item #31), outswing threshold (item #32) and the ADA threshold (item #33), do not meet the water infiltration requirements for the "HVHZ". These units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
- When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

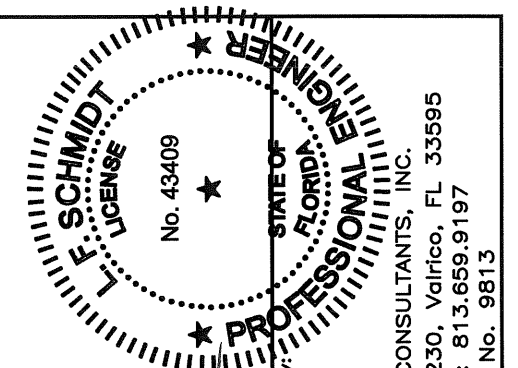


FIXED STEEL DOOR FRAME
F-Series

INSWING OR OUTSWING

OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
45.13" X 85.88"	+ 60.0	- 60.0

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Corner detail
4	Horizontal cross section
5	Vertical cross sections
6	Buck and frame anchoring
7	Bill of materials and components



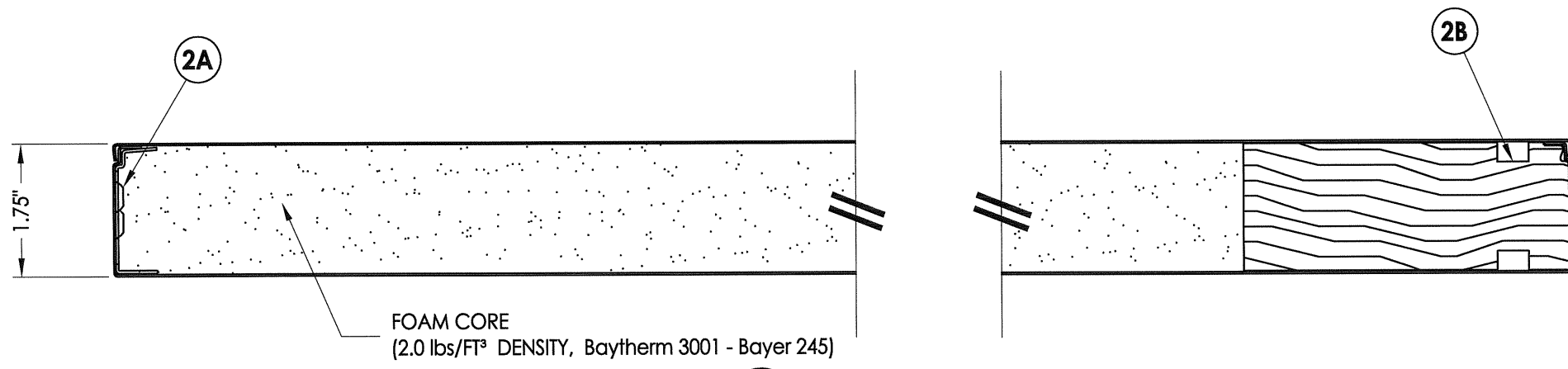
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:
IDP STEEL FRAME (F-SERIES)
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURE & GENERAL NOTES

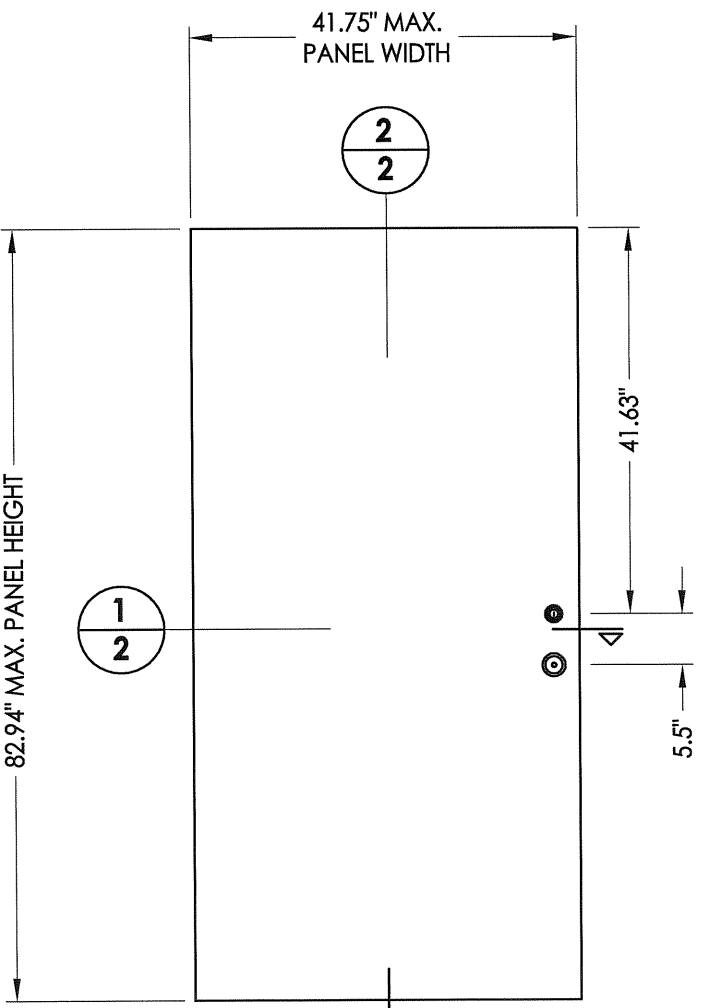
REVISIONS	
NO.	DATE
3	1/27/15
2	5/21/12
1	5/17/11

DATE: 4/11/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14512.2
SHEET 1 OF 7

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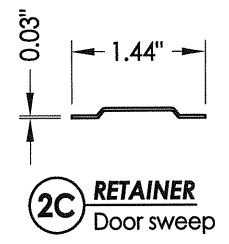
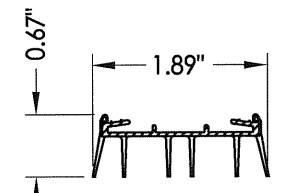
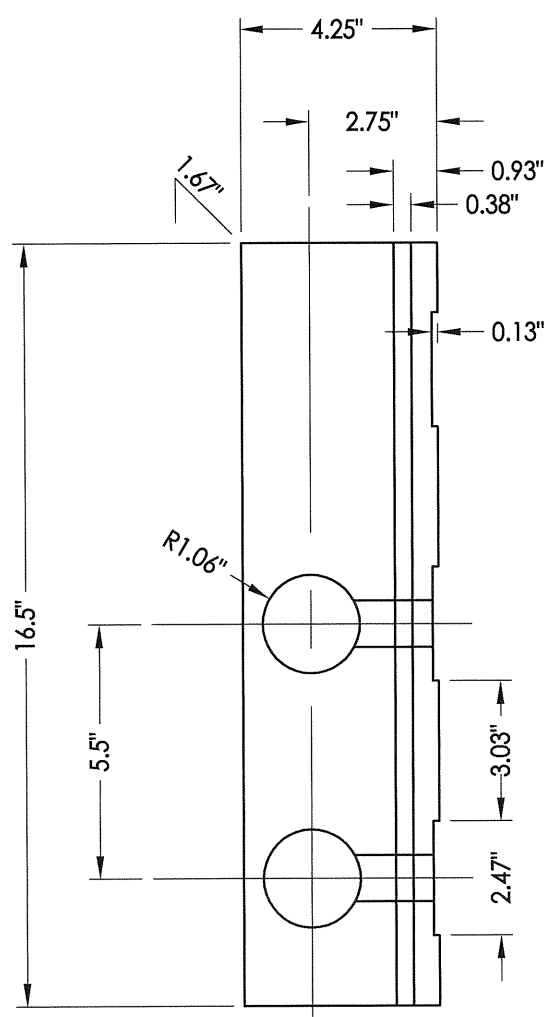


1
2 HORIZONTAL CROSS SECTION

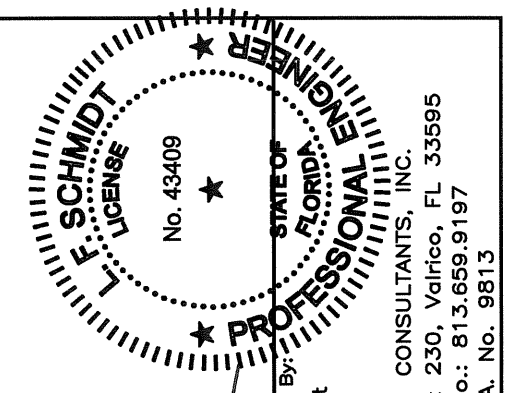
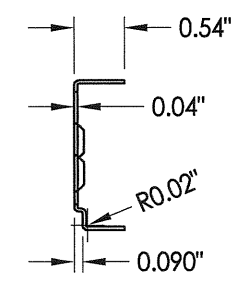
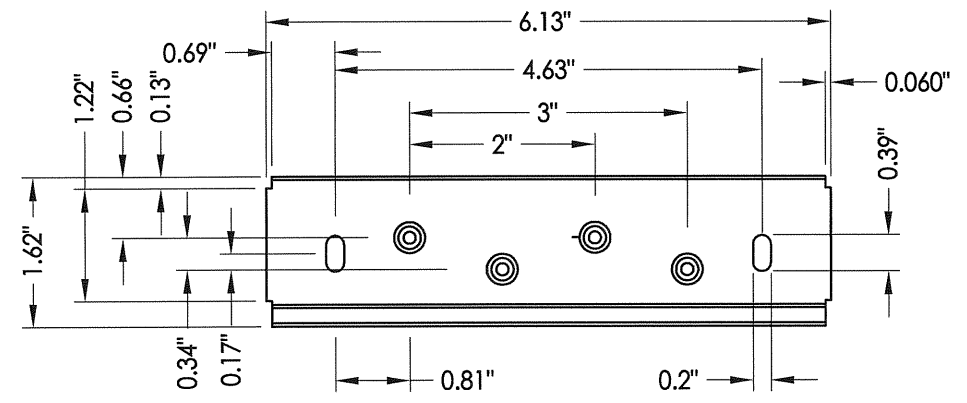
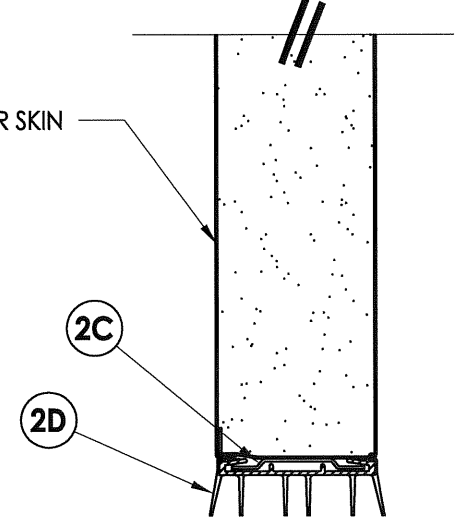


40 DOOR PANEL
Steel (Taylor)

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



STEEL DOOR SKIN



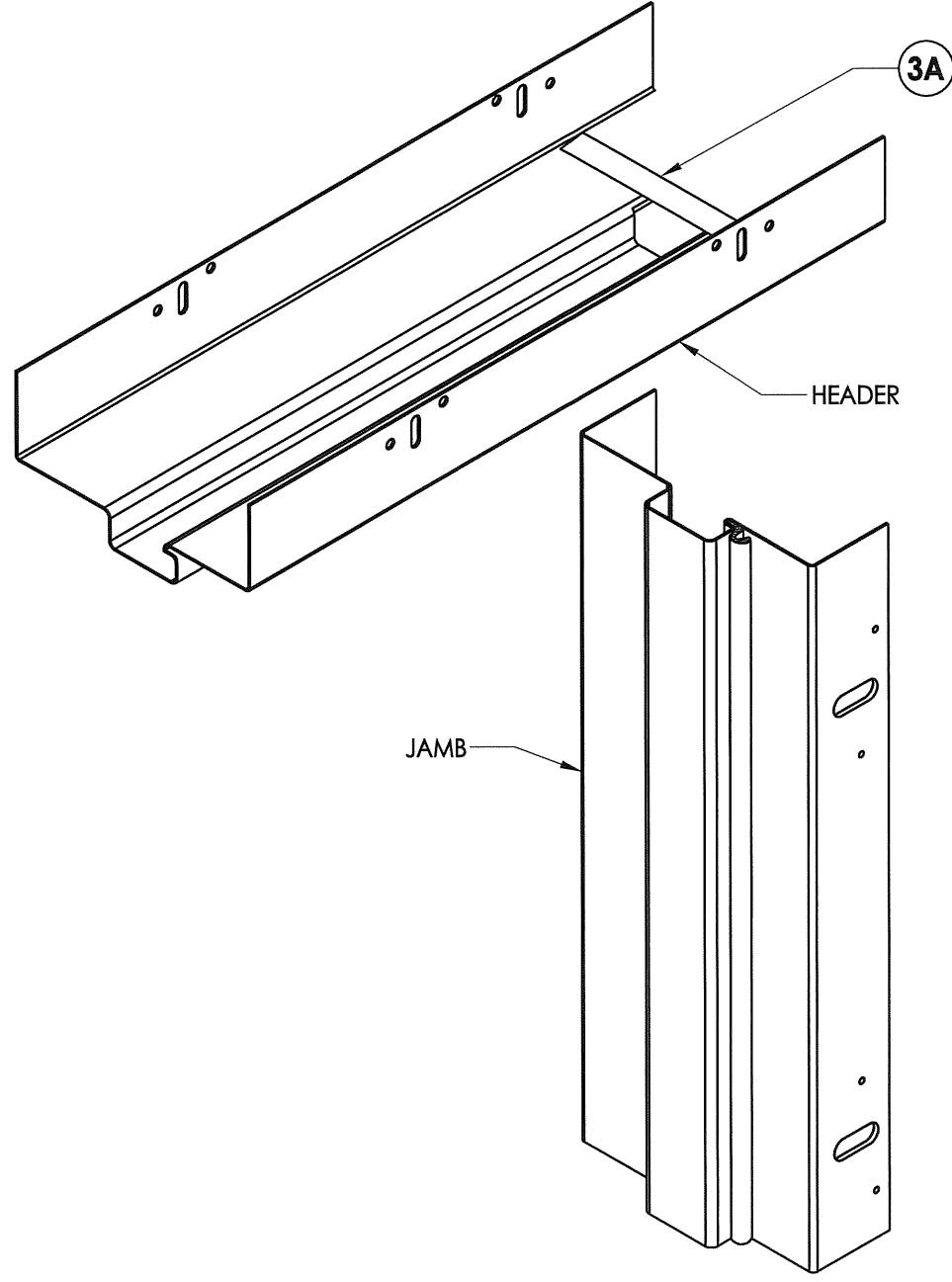
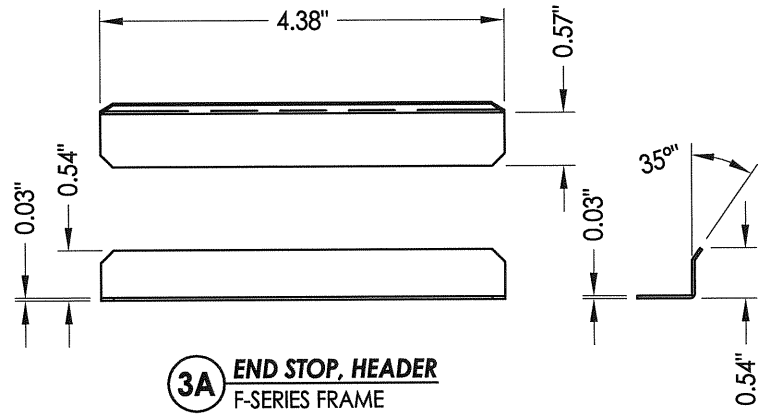
Documents Prepared By:
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LFS
2-26-15

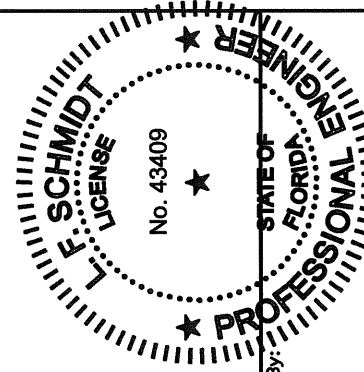
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		IDP STEEL FRAME (F-SERIES)	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO.	DATE	BY	REVISIONS
3	1/27/15	JK	UPDATE TO 5TH ED. (2014) FBC
2	5/21/12	LFS	UPDATE TO 2010 FBC
1	5/17/11	LFS	REV. THRESHOLD NOTES/ANCHORS

DATE: 4/11/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14512.2
SHEET 2 OF 7



**CORNER DETAIL
F-SERIES**



LFS
2-26-15

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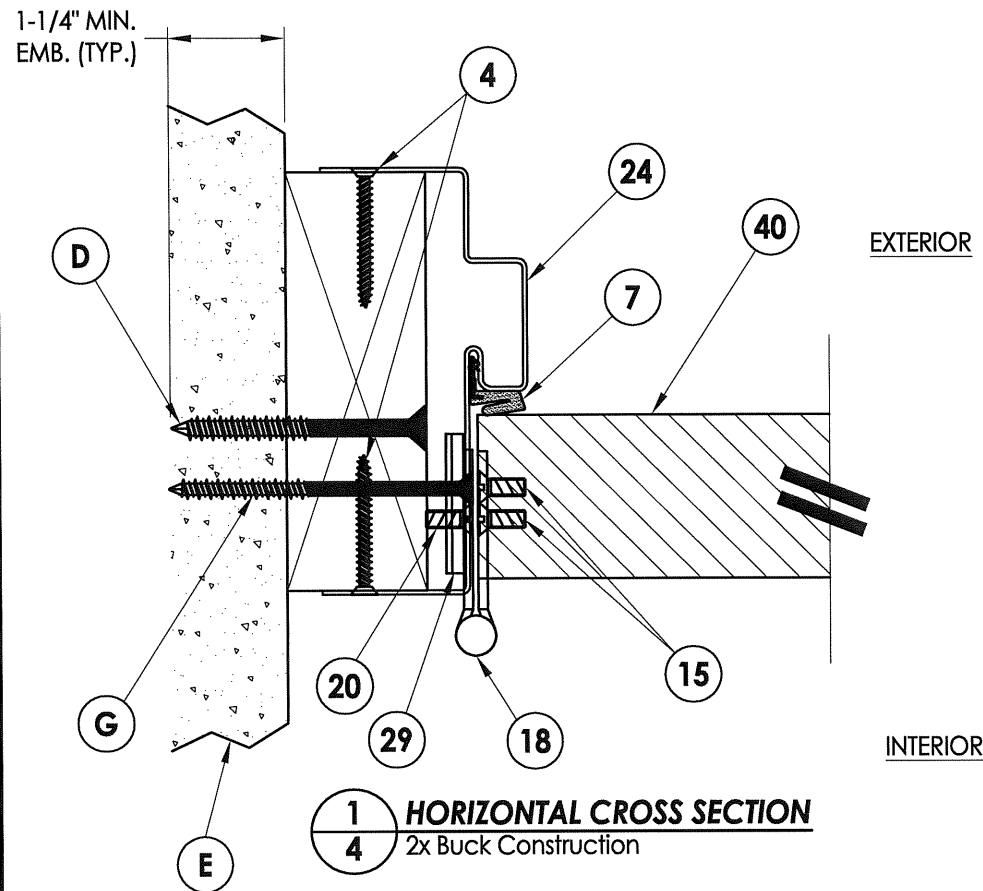
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:	IDP STEEL FRAME (F-SERIES)
PART OR ASSEMBLY:	CORNER DETAIL

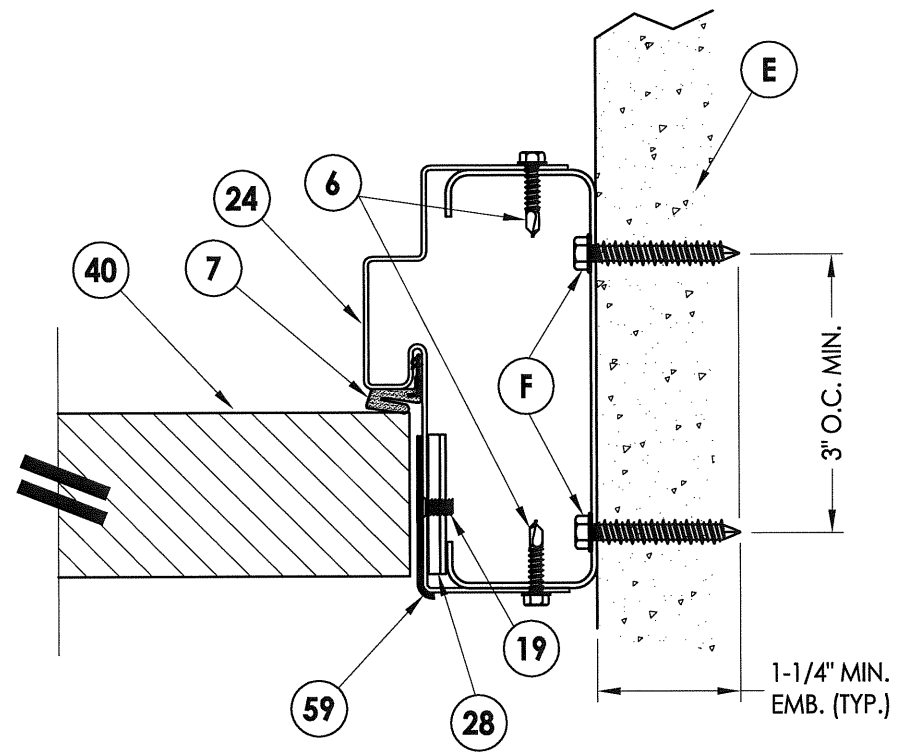
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3	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
2	5/21/12	UPDATE TO 2010 FBC	LFS
1	5/17/11	REV. THRESHOLD NOTES/ANCHORS	LFS

DATE:	4/11/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14512.2
SHEET	3 OF 7

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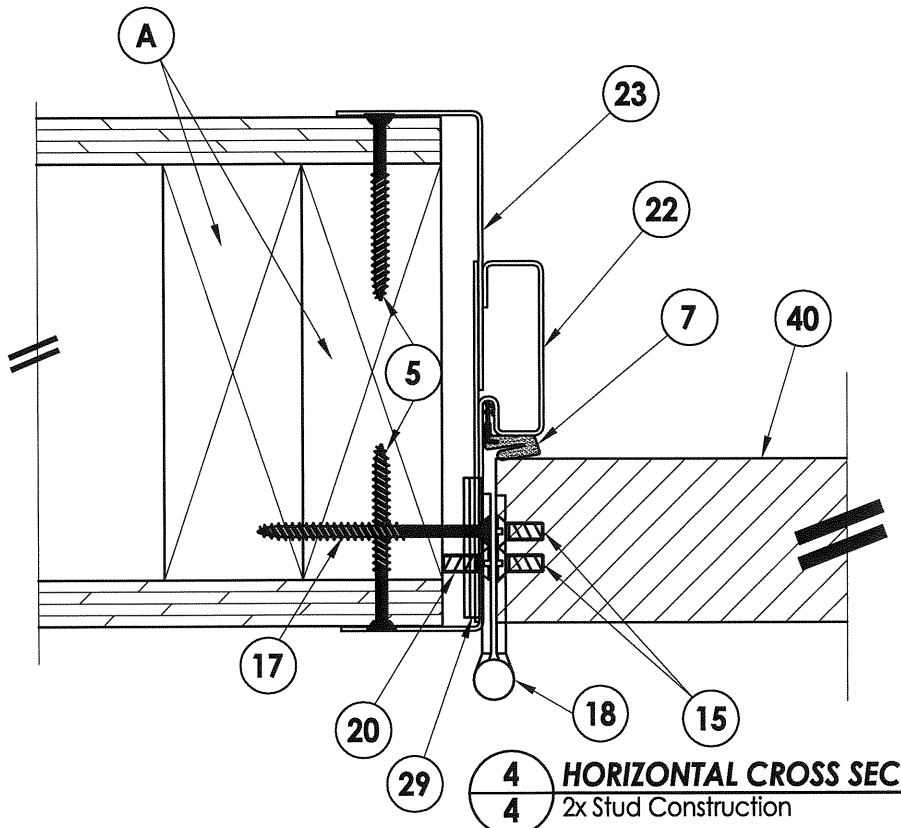
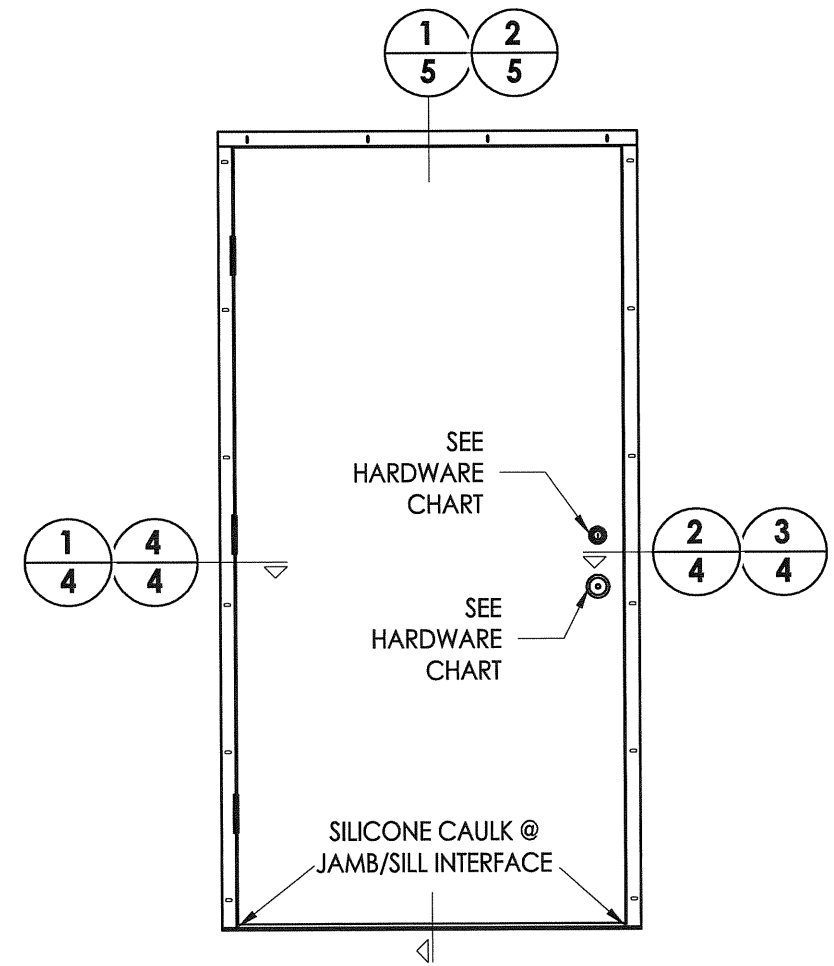


1
4 HORIZONTAL CROSS SECTION
2x Buck Construction

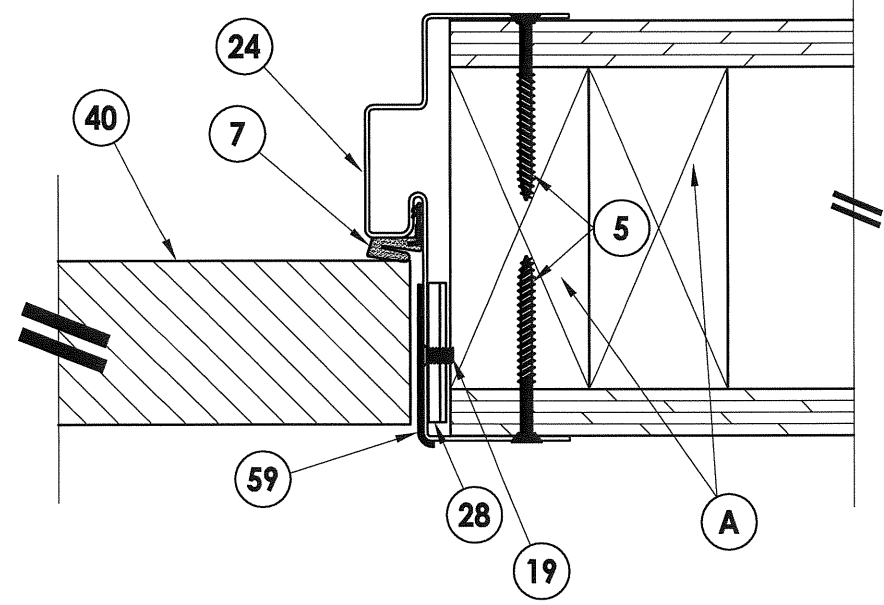


2
4 HORIZONTAL CROSS SECTION
Metal Stud Construction

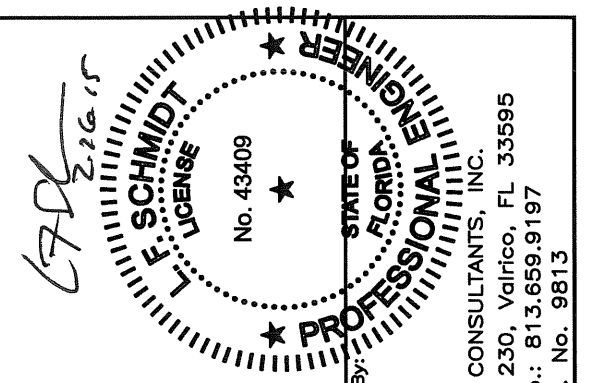
HARDWARE CHART	
MANUFACTURER	MODEL
KWIKSET	LOCK: SIGNATURE SERIES
	DEADBOLT: SIGNATURE SERIES (980)
SCHLAGE	LEVER: "F" SERIES (F51)
	DEADBOLT: "B" SERIES (B300)



4
4 HORIZONTAL CROSS SECTION
2x Stud Construction



3
4 HORIZONTAL CROSS SECTION
2x Stud Construction



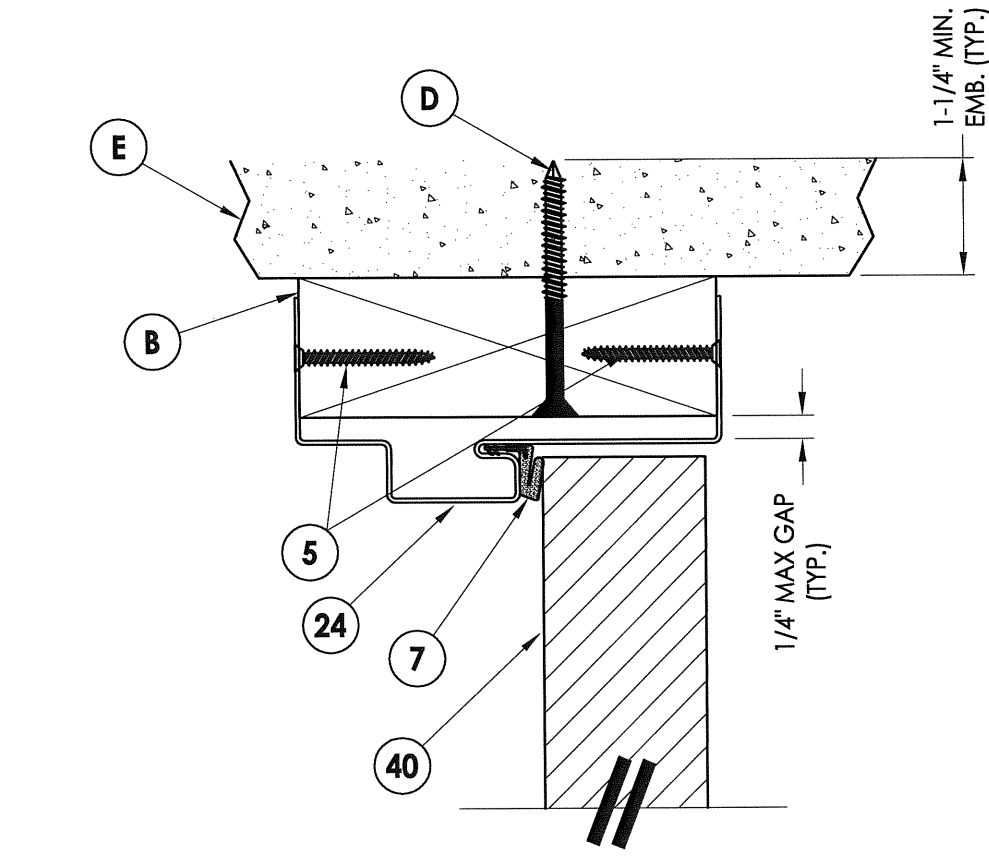
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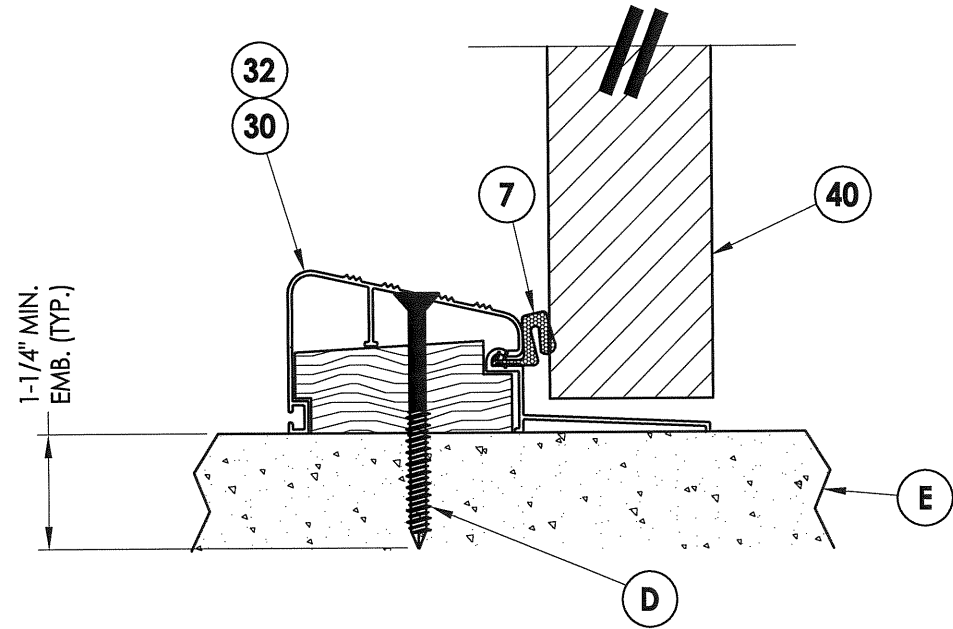
PRODUCT: IDP STEEL FRAME (F-SERIES)
PART OR ASSEMBLY: HORIZONTAL CROSS SECTION

NO.	DATE	REVISIONS
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC JK
2	5/21/12	UPDATE TO 2010 FBC LFS
1	5/17/11	REV. THRESHOLD NOTES/ANCHORS LFS

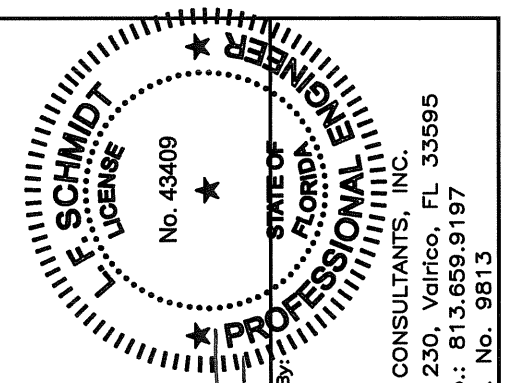
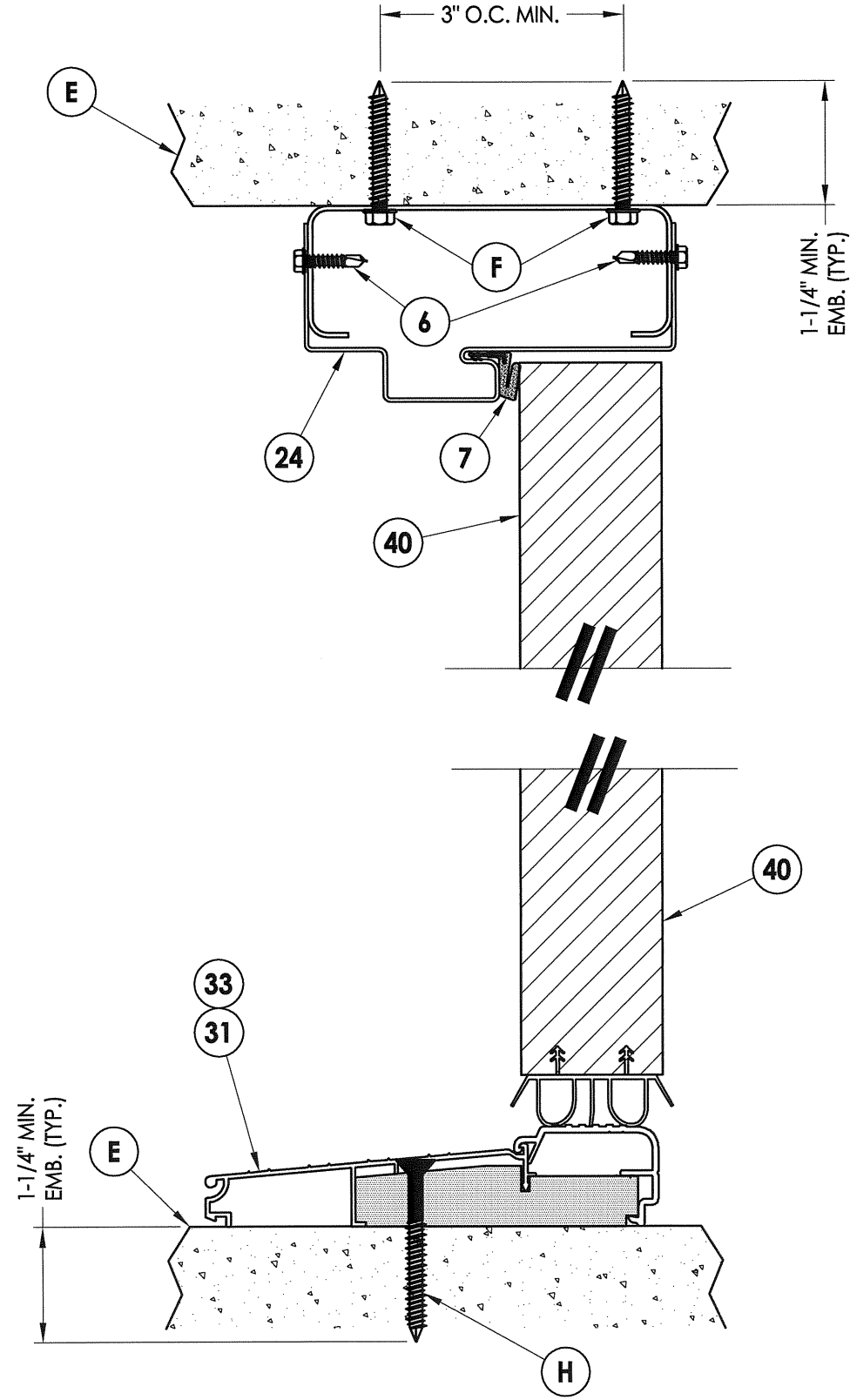
DATE: 4/11/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14512.2
SHEET 4 OF 7



1 VERTICAL CROSS SECTION
5 Outswing

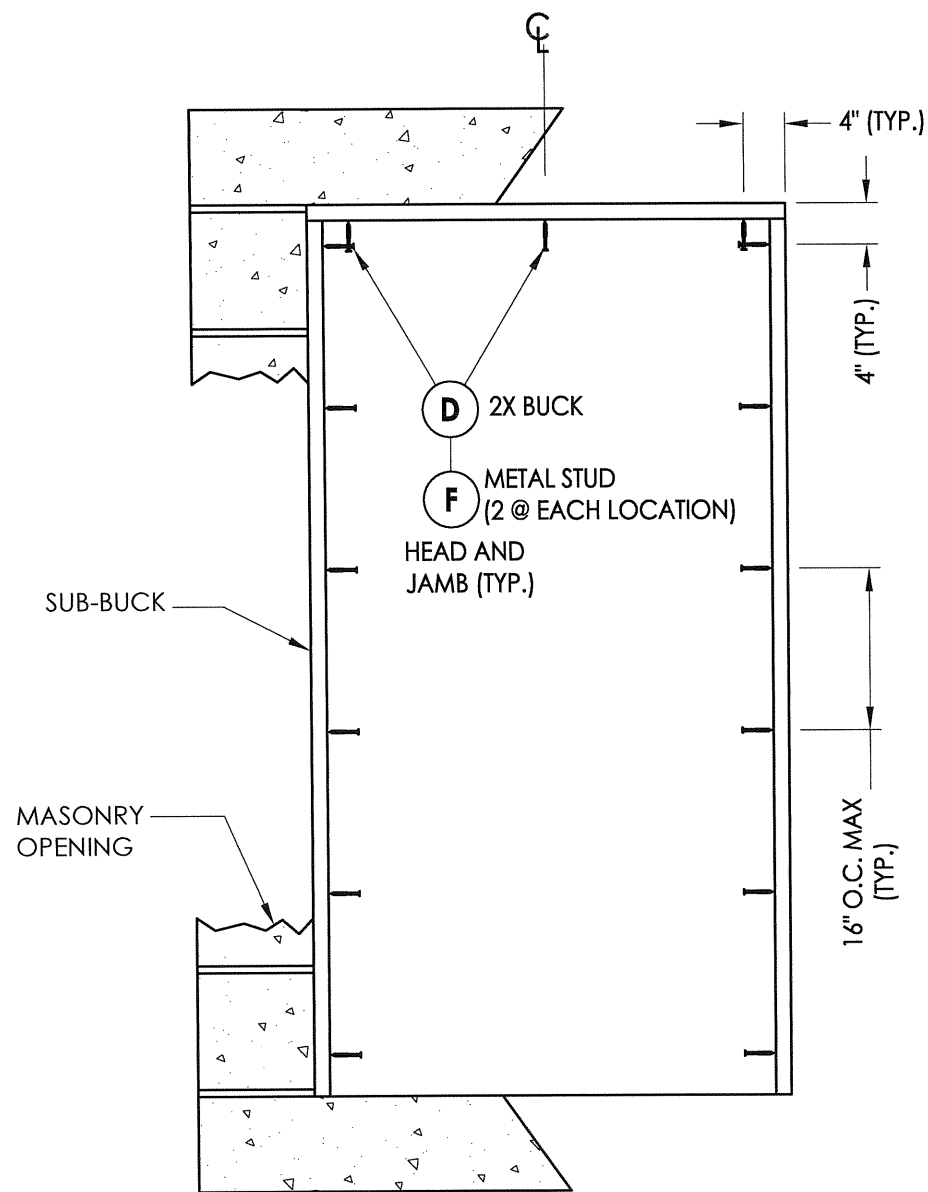


2 VERTICAL CROSS SECTION
5 Inswing

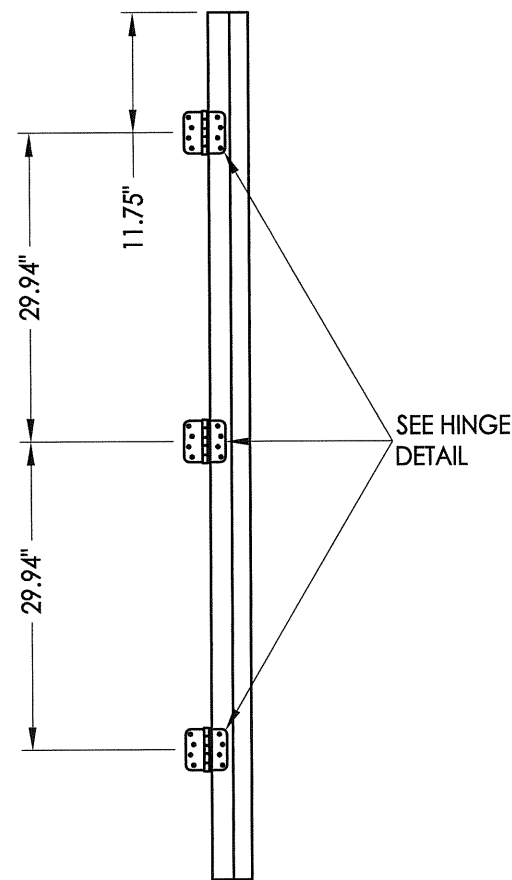


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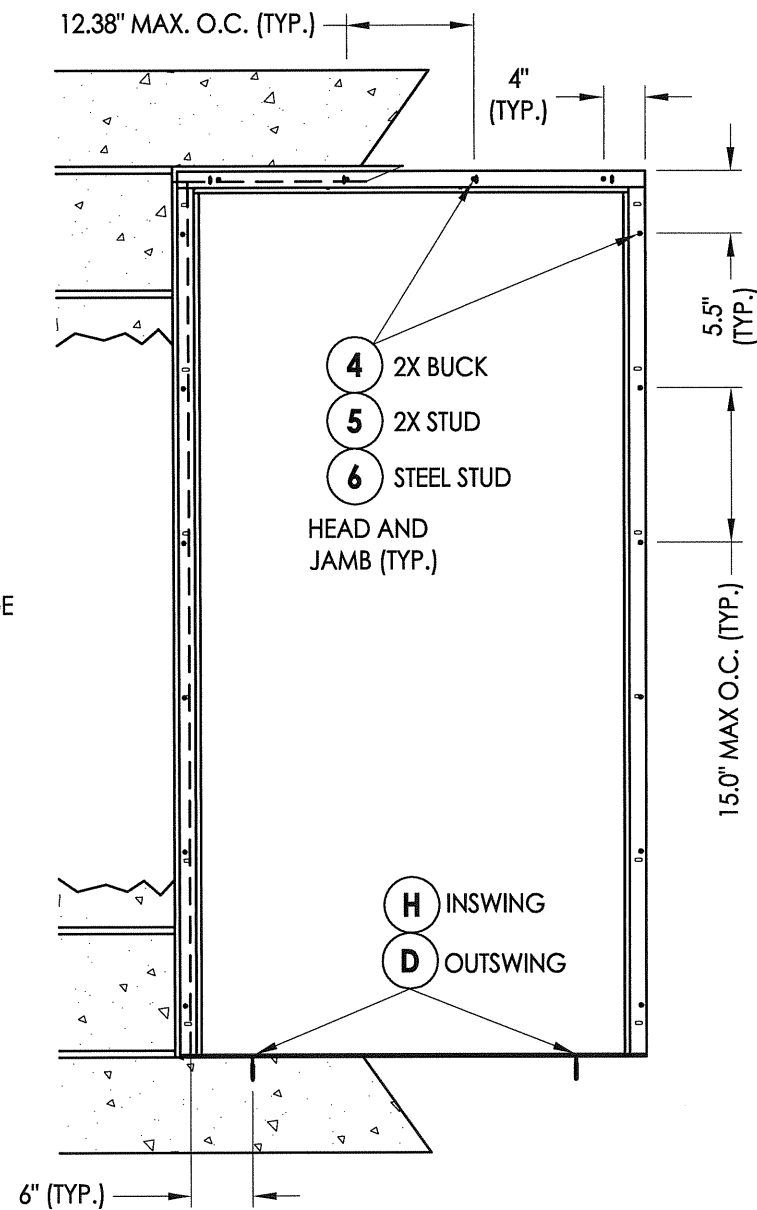
PRODUCT:		IDP	
STEEL FRAME (F-SERIES)		JK	
PART OR ASSEMBLY:		LFS	
VERTICAL CROSS SECTION		LFS	
REVISIONS		BY	
NO.	DATE		
3	1/27/15	UPDATE TO 5TH ED. (2014)	FBC
2	5/21/12	UPDATE TO 2010	FBC
1	5/17/11	REV. THRESHOLD NOTES/ANCHORS	LFS
DATE:		4/11/11	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-14512.2	
SHEET		5 OF 7	



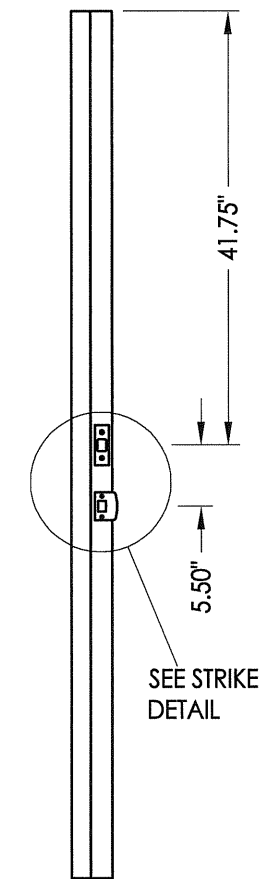
BUCK ANCHORING
Taylor Door



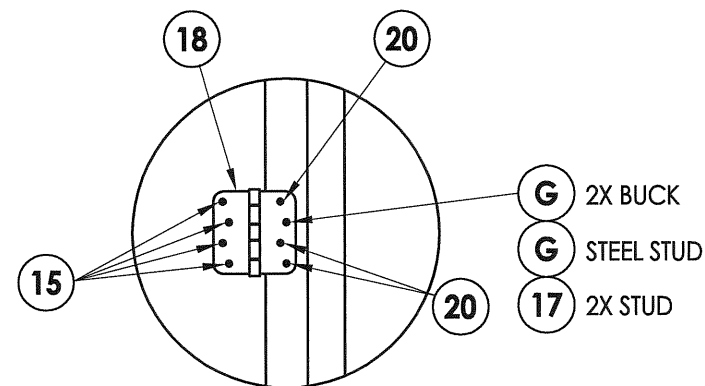
HINGE JAMB



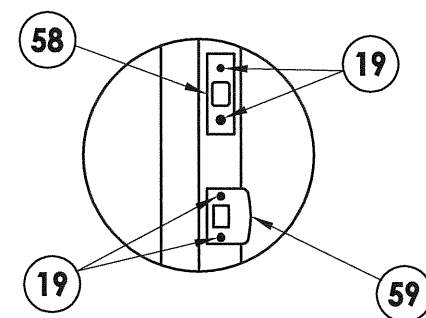
FRAME ANCHORING
Taylor Door



STRIKE JAMB



HINGE DETAIL



STRIKE PLATE DETAIL

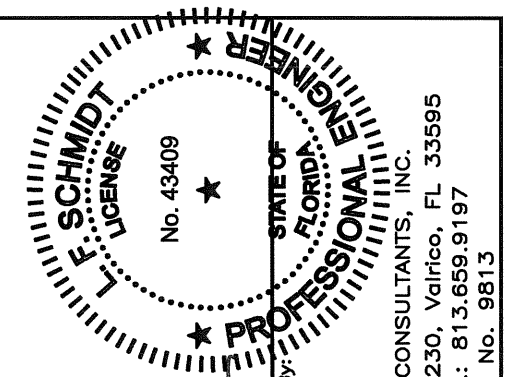
CONCRETE ANCHOR NOTES:

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®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



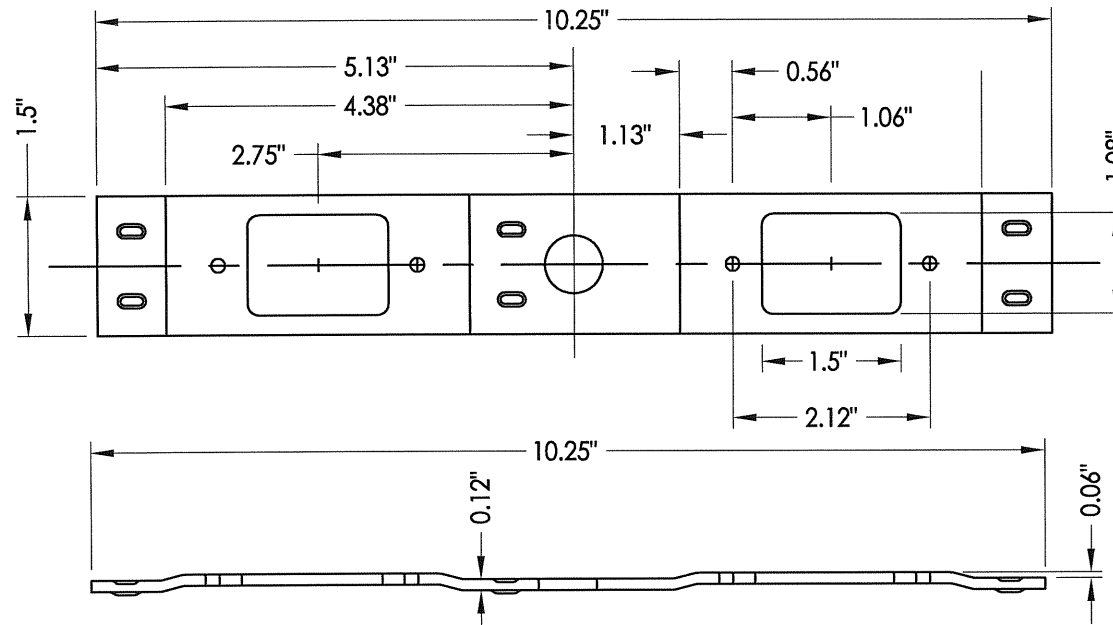
Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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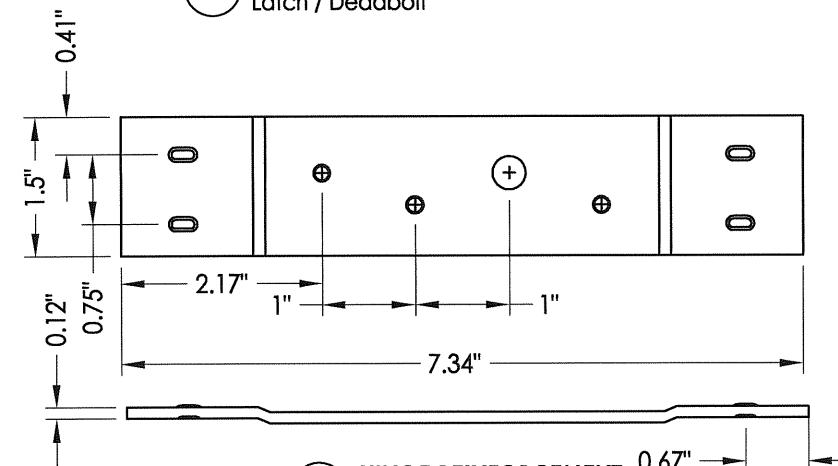
PRODUCT:	IDP STEEL FRAME (F-SERIES)
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING
DATE:	4/11/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14512.2
SHEET	6 OF 7

BILL OF MATERIALS

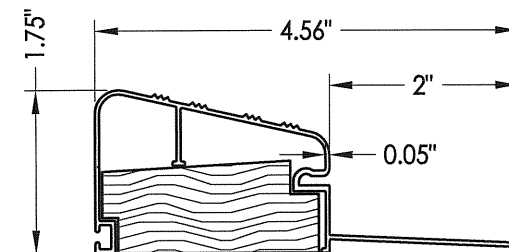
ITEM #	DESCRIPTION	MATERIAL
A	2X STUD FRAMING (SG >= 0.55)	WOOD
B	2X BUCK (SG >= 0.55)	WOOD
C	METAL STUD (SSMA STUD 550S162-54, Fy = 33 ksi, Fu = 45 ksi)	STEEL
D	1/4" X 2-3/4" ELCO OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 OR ASTM A653 STEEL	CONCRETE
F	3/16" X 1-3/4" HWH ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" ELCO OR ITW PFH CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" ELCO OR ITW PFH CONCRETE SCREW	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	STEEL
7	COMPRESSION WEATHERSTRIPPING QLON QDS 650 BY SCHLEGEL	-
15	10-24 X 5/8" PFH MS	STEEL
17	#10 X 2-1/2" PFH WS	STEEL
18	4.0" X 4.0" HINGE	STEEL
19	8-32 X 3/8" PFH MS	STEEL
20	10-24 X 1/2" PFH MS	STEEL
24	IDP (F-SERIES) FIXED FRAME (18 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 - SEE DOOR PANEL DETAILS	-
58	STRIKE PLATE - DEADBOLT	STEEL
59	" T " STRIKE PLATE - LATCH	STEEL



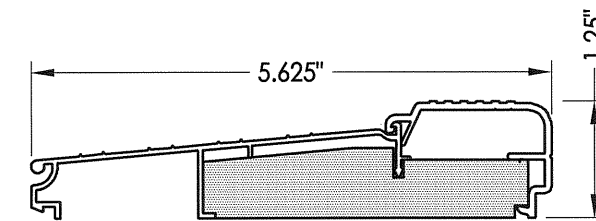
28 STRIKE REINFORCEMENT
Latch / Deadbolt



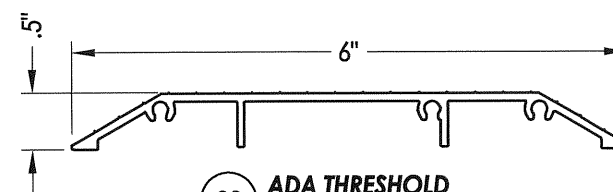
29 HINGE REINFORCEMENT



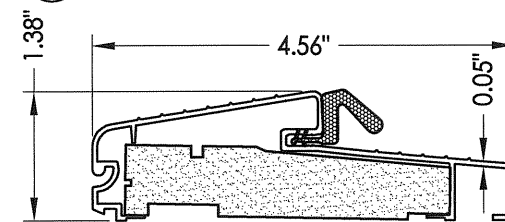
30 OUTSWING THRESHOLD
DLP



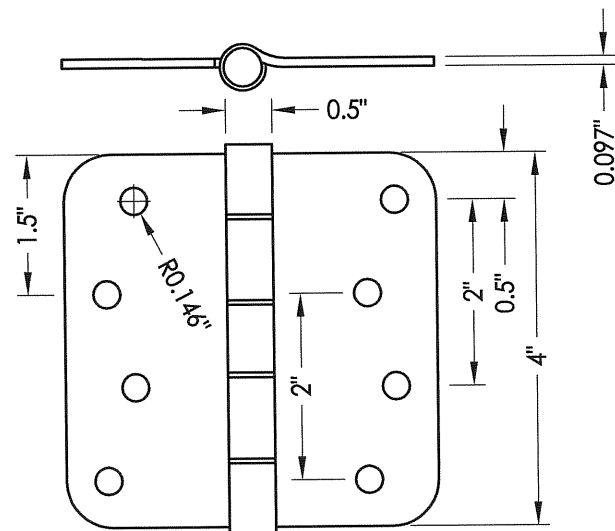
31 INSWING THRESHOLD
AFCO A-280



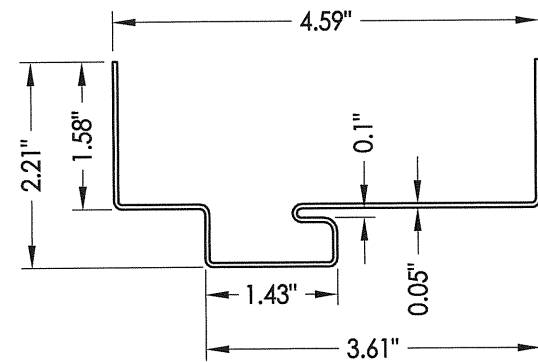
33 ADA THRESHOLD
AFCO A-202



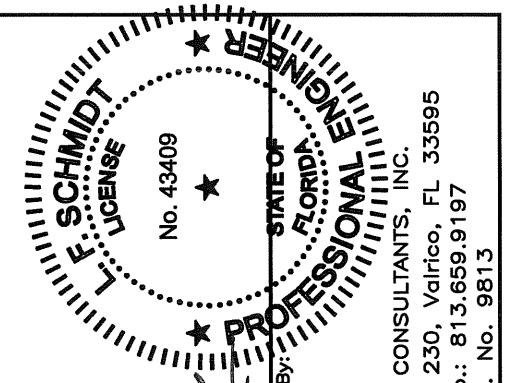
32 OUTSWING THRESHOLD
AFCO A-496



18 HINGE



24 FRAME
F-Series



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FBPE C.A. No. 9813

PRODUCT: IDP STEEL FRAME (F-SERIES)

PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS

NO.	DATE	REVISIONS
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC
2	5/21/12	UPDATE TO 2010 FBC
1	5/17/11	REV. THRESHOLD NOTES/ANCHORS

DATE: 4/11/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14512.2
SHEET 7 OF 7