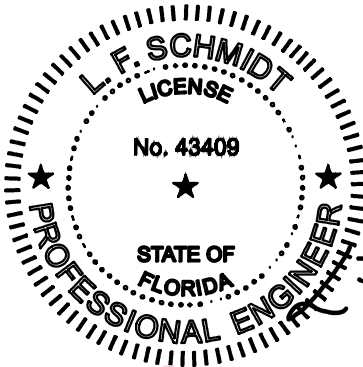


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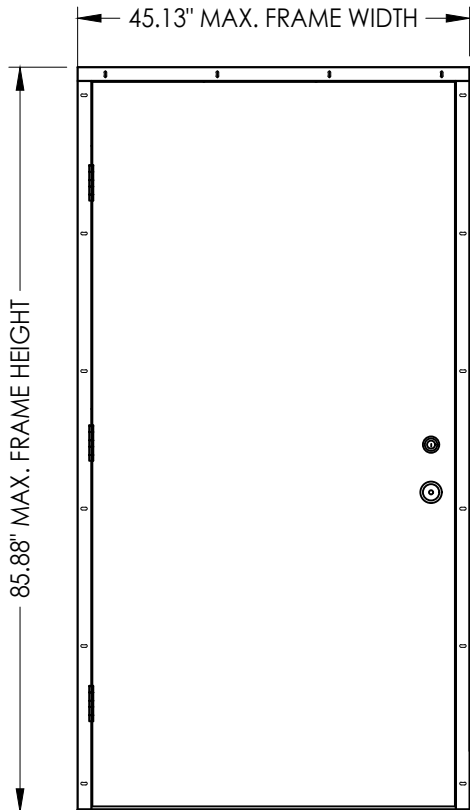
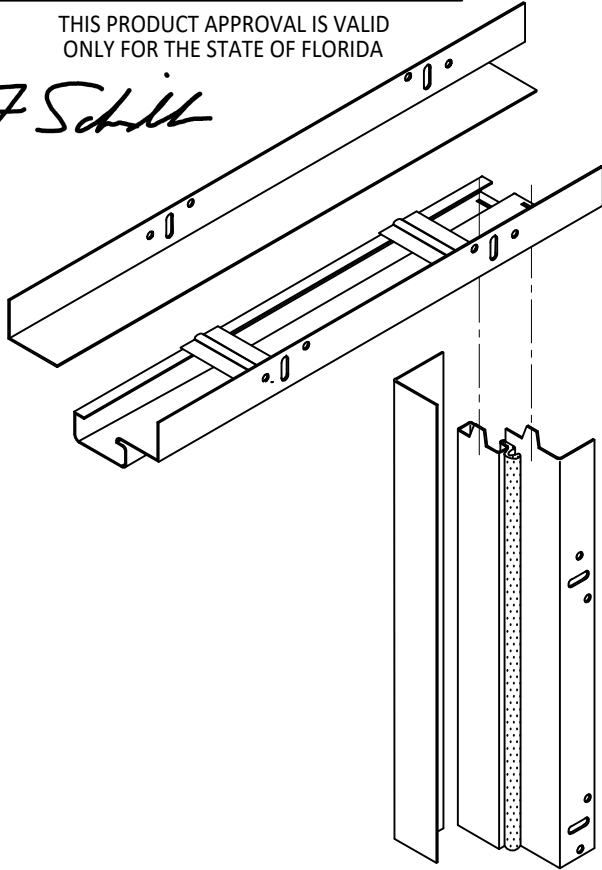
21300 W 8 Mile Rd.
Southfield, MI 48075-5638



Digitally signed by
Lyndon F Schmidt
Date: 2023.07.19
09:49:27 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



ENTRY-FIT™ "K2A-Series"
ADJUSTABLE STEEL DOOR FRAME
Utilizing a Steel Door Panel
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. 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.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Configurations utilizing the high-dam outswing bump threshold (item #30) meet water infiltration requirements for the "HVHZ".
8. 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.
9. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

ADJUSTABLE STEEL DOOR FRAME
K2A-Series

INSWING OR OUTSWING

DOOR PANEL	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)		APPROVED FOR USE IN THE "HVHZ"
		POSITIVE	NEGATIVE	
TAYLOR	45.13" X 85.88"	+ 60.0	- 60.0	YES
MASONITE	39.13" X 85.88"	+ 60.0	- 60.0	NO

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

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

PRODUCT:
IDP
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURE & GENERAL NOTES

REV	DATE	DESCRIPTION	BY
8	7/13/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS
6	5/06/19	ADD SILL ANCHORING OPTION	LFS
5	4/17/18	CLARIFY FRAME ANCHORING	LFS
4	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE		BY

DATE: 4/11/11

SCALE: N.T.S.

DWG. BY: JK

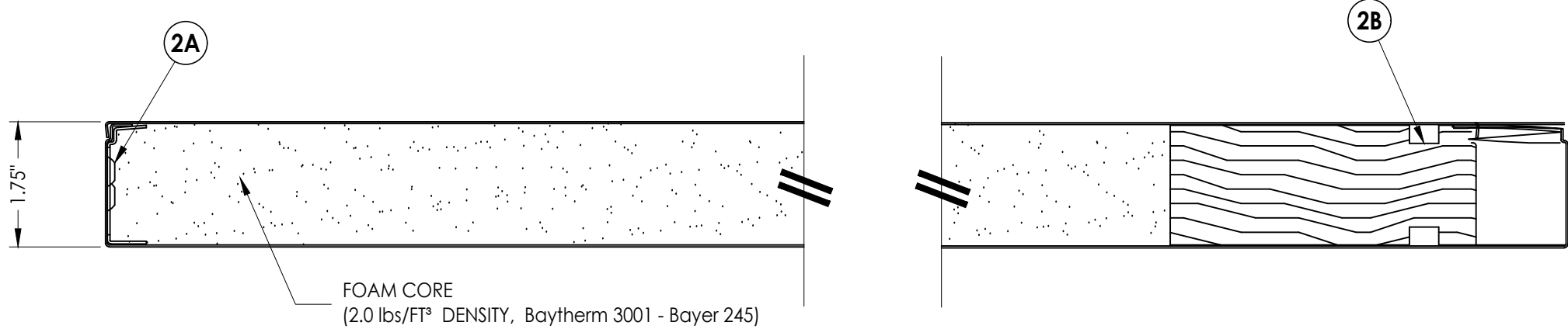
CHK. BY: LFS

DRAWING NO.:

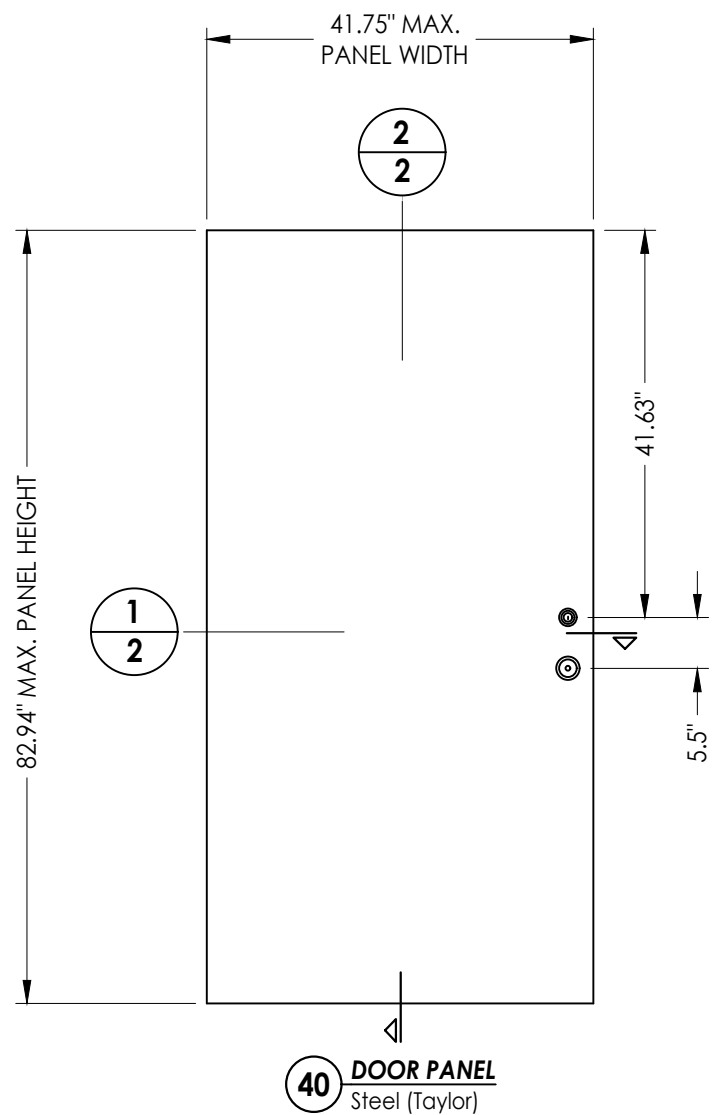
FL-14512.1

SHEET 1 OF 10

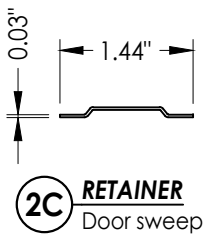
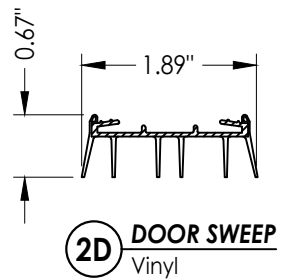
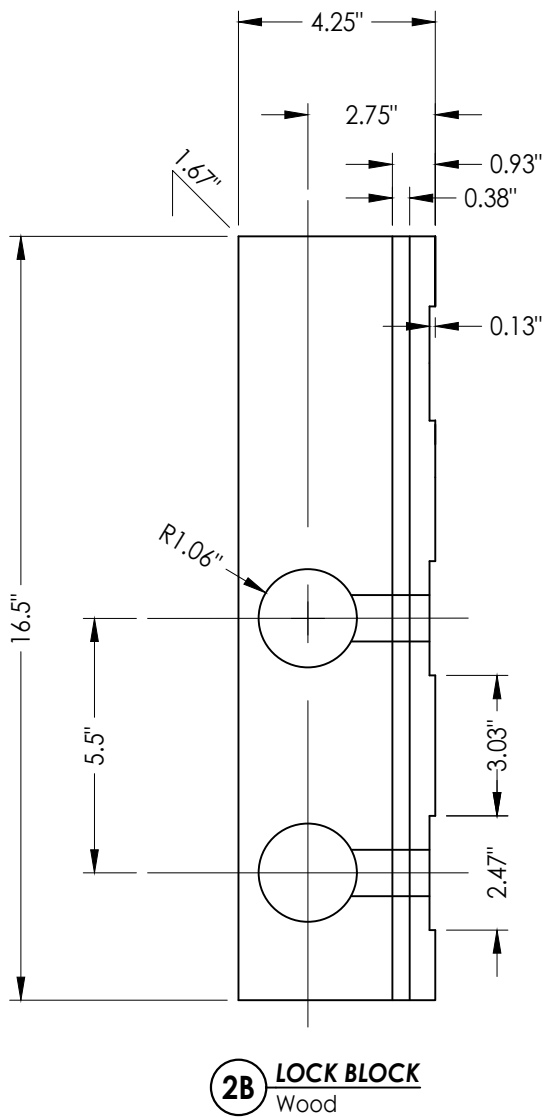
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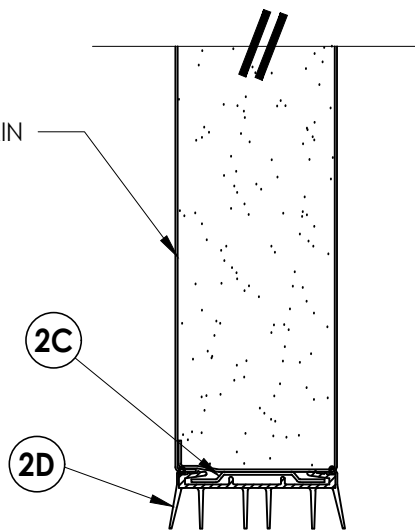
1
2 **HORIZONTAL CROSS SECTION**



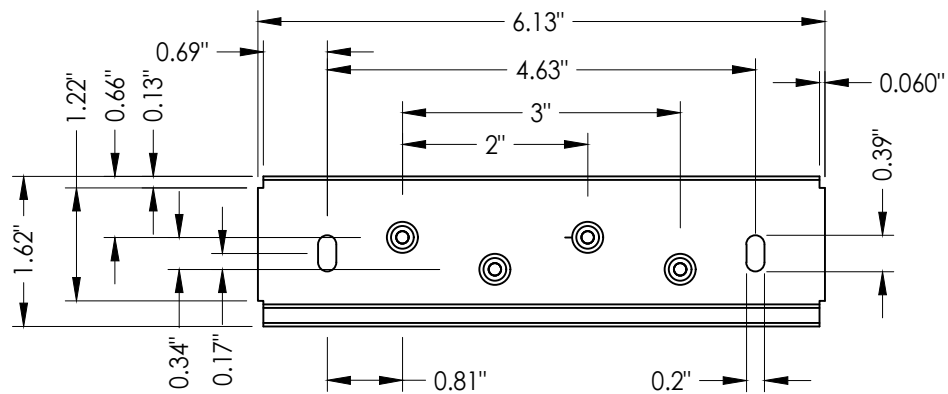
STEEL DOOR SKIN: MIN. 0.020" THK.
GALVANIZED STEEL (Fy = 33,000 PSI MIN.)



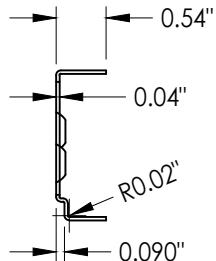
STEEL DOOR SKIN



2
2 **VERTICAL CROSS SECTION**



2A **HINGE REINFORCEMENT**



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

PRODUCT:
IDP
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:

DOOR PANEL DETAILS

NO.	DATE	REVISIONS
8	7/13/23	UPDATE TO 8TH ED. (2023) FBC
7	8/31/20	UPDATE TO 7TH ED. (2020) FBC
6	5/06/19	ADD SILL ANCHORING OPTION
5	4/17/18	CLARIFY FRAME ANCHORING
4	9/26/17	UPDATE TO 6TH ED. (2017) FBC
NO.	DATE	BY

DATE: 4/11/11

SCALE: N.T.S.

DWG. BY: JK

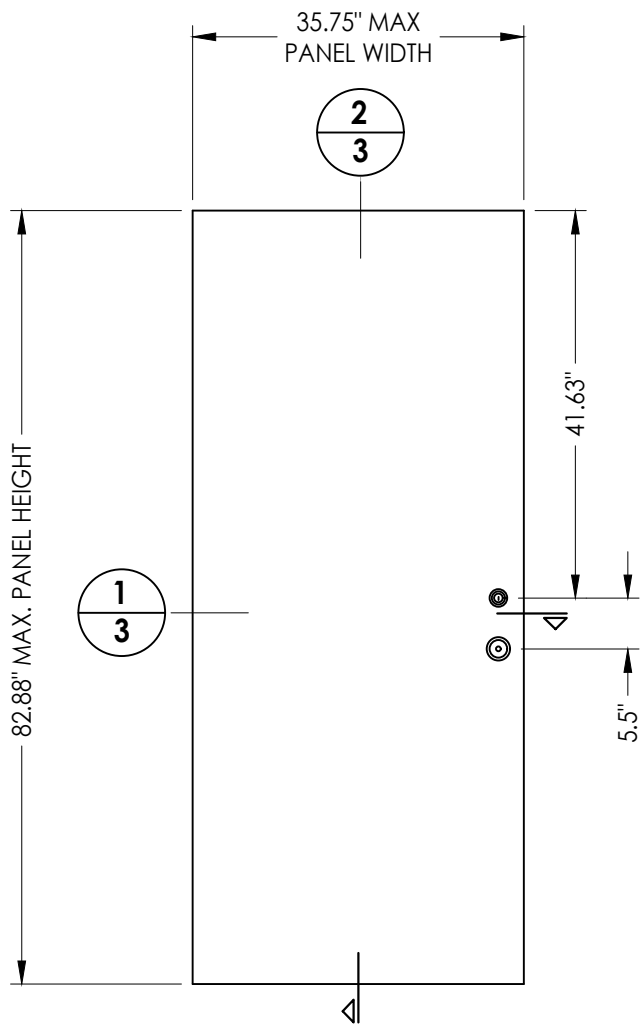
CHK. BY: LFS

DRAWING NO.:

FL-14512.1

SHEET 2 OF 10

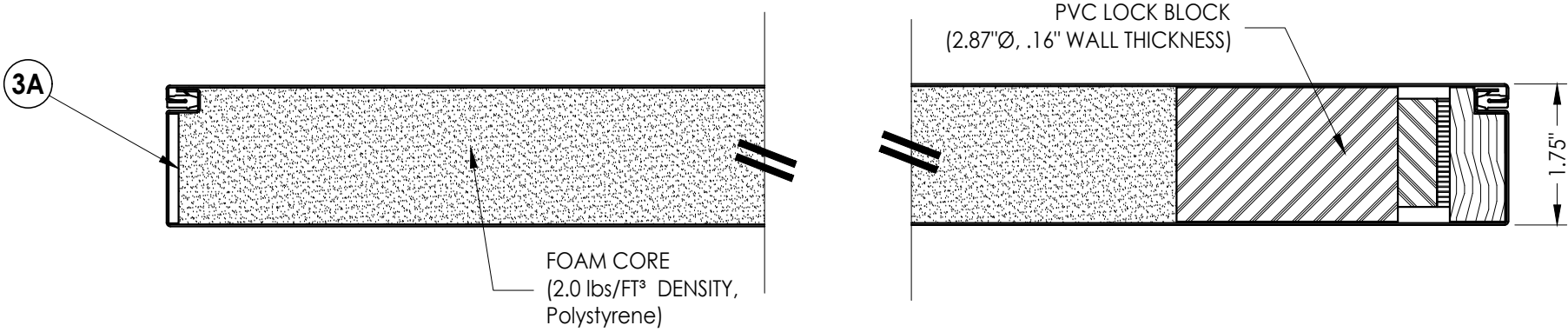
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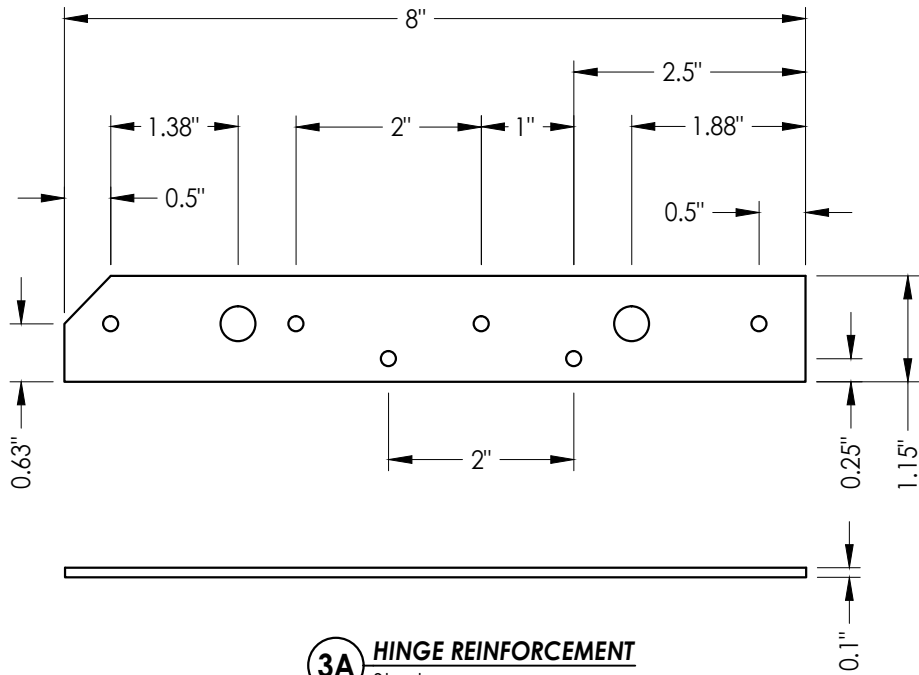
50 DOOR PANEL
Steel (Masonite)

STEEL DOOR SKIN: MIN. 0.020" THK.
GALVANIZED STEEL (Fy = 50,000 PSI MIN.)

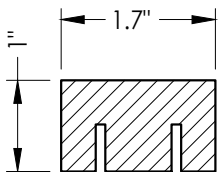
NOTE: Max frame size with Masonite door is 39.13" X 85.88"



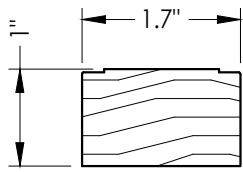
1 HORIZONTAL CROSS SECTION



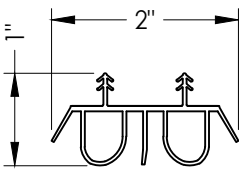
3A HINGE REINFORCEMENT
Steel



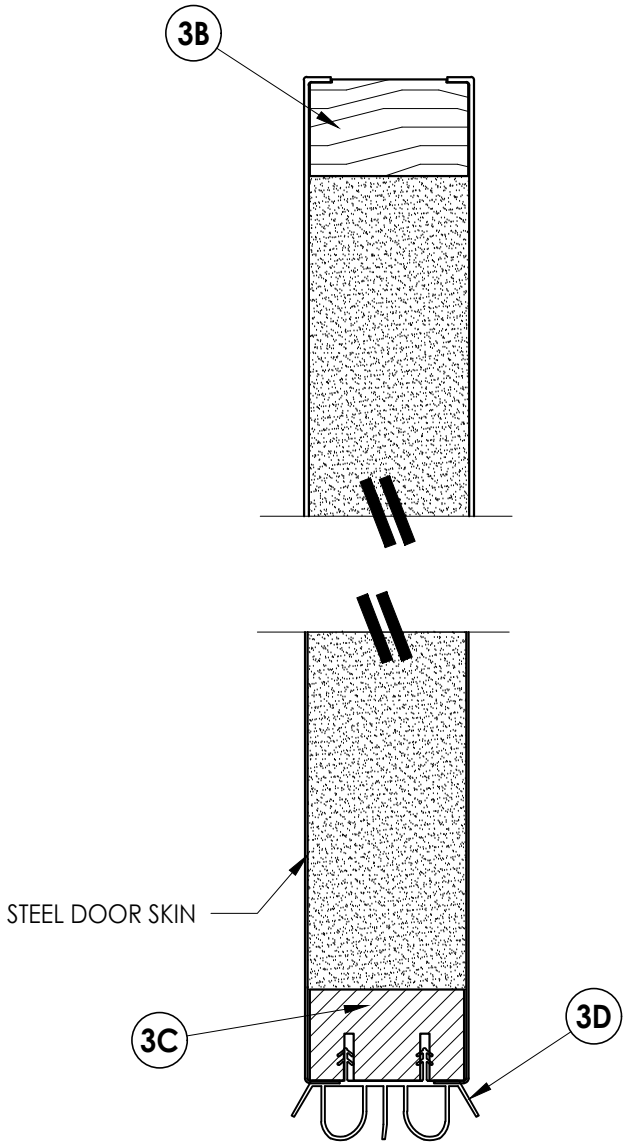
3C BOTTOM
Composite



3B TOP RAIL
Wood



3D BOTTOM SWEEP
Vinyl



2 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS		
		BY	JK	LFS
8	7/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
7	8/31/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
6	5/06/19	ADD SILL ANCHORING OPTION		LFS
5	4/17/18	CLARIFY FRAME ANCHORING		LFS
4	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	JK

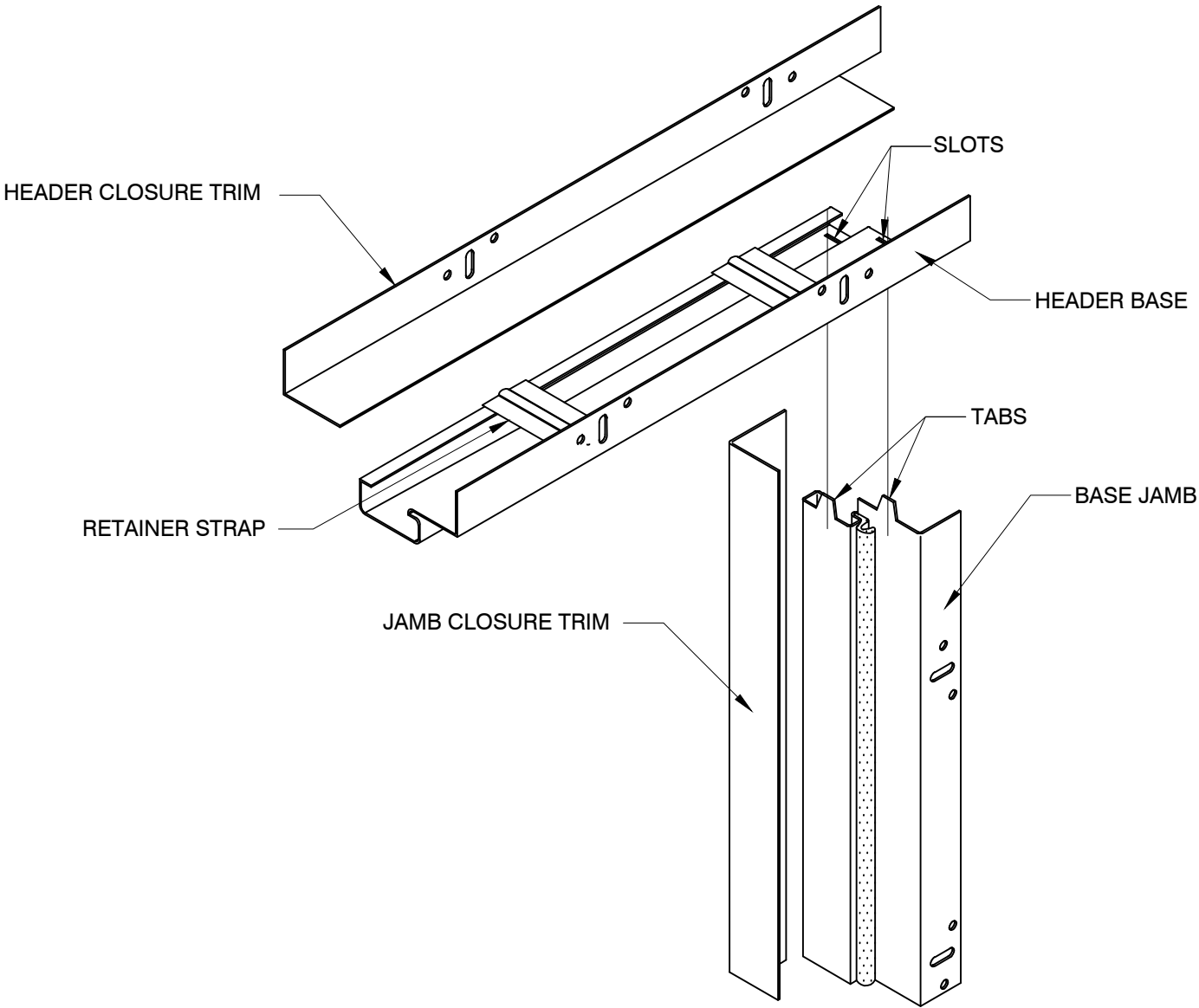
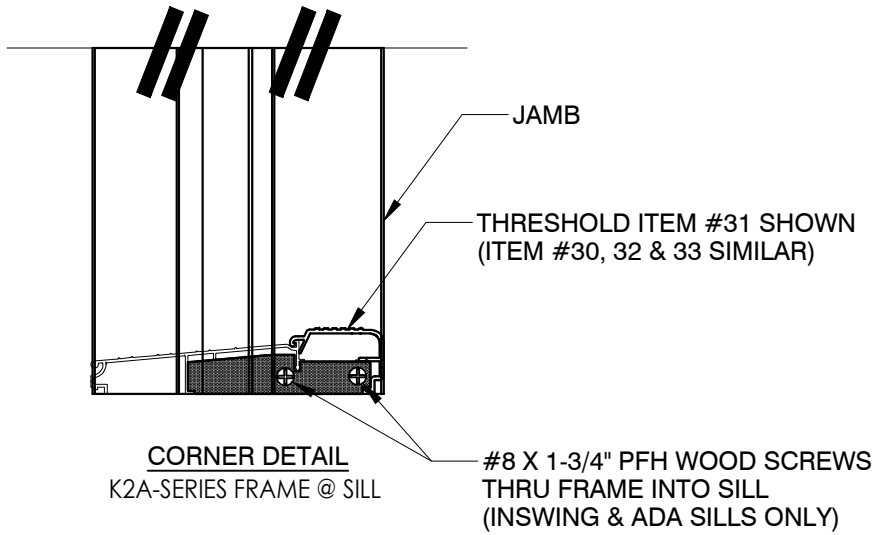
DATE:	4/11/11
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14512.1
SHEET	3 OF 10

PRODUCT:	STEEL FRAME (K2A-SERIES)
	DOOR PANEL DETAILS

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

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

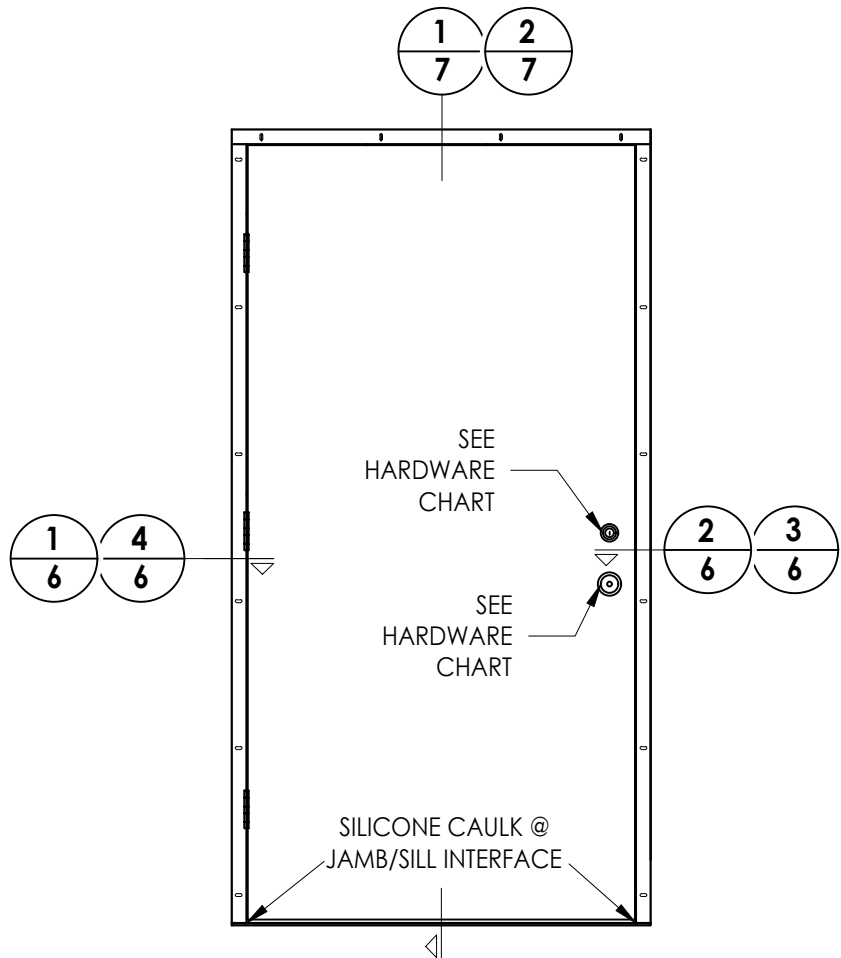
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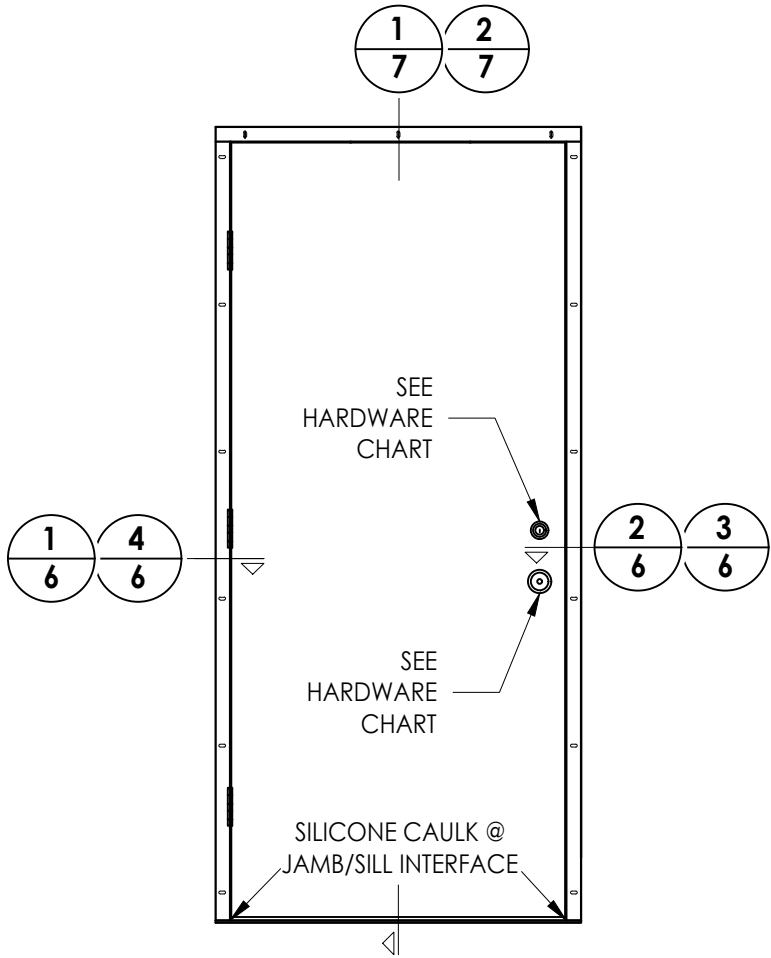
CORNER DETAIL
IDP ENTRY-FIT™ ADJUSTABLE
STEEL DOOR FRAME (K2A-SERIES)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: IDP STEEL FRAME (K2A-SERIES)		PART OR ASSEMBLY: CORNER DETAIL	
8	7/13/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS
6	5/06/19	ADD SILL ANCHORING OPTION	LFS
5	4/17/18	CLARIFY FRAME ANCHORING	LFS
4	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE	REVISIONS	
DATE: 4/11/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14512.1			
SHEET 4 OF 10			

Z:\2023 FBC Drawings\International Door Products\FL-14512 R8\FL-14512.1.dwg



TAYLOR DOOR



MASONITE DOOR

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

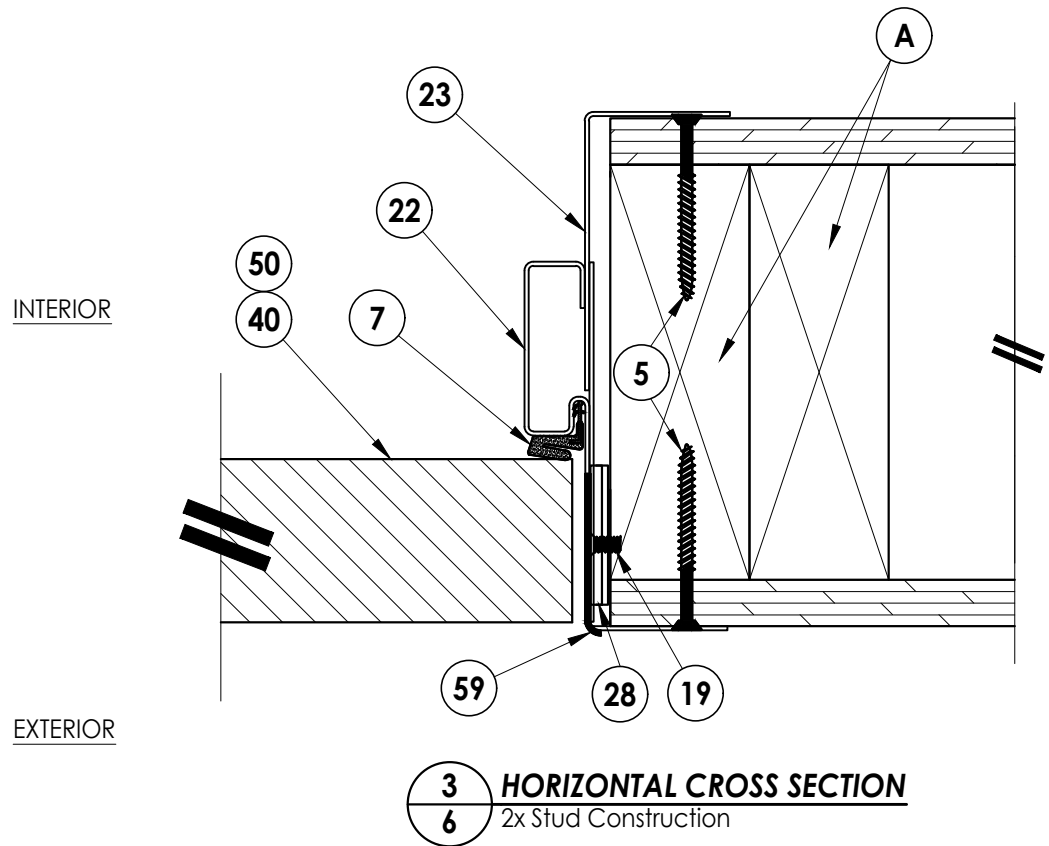
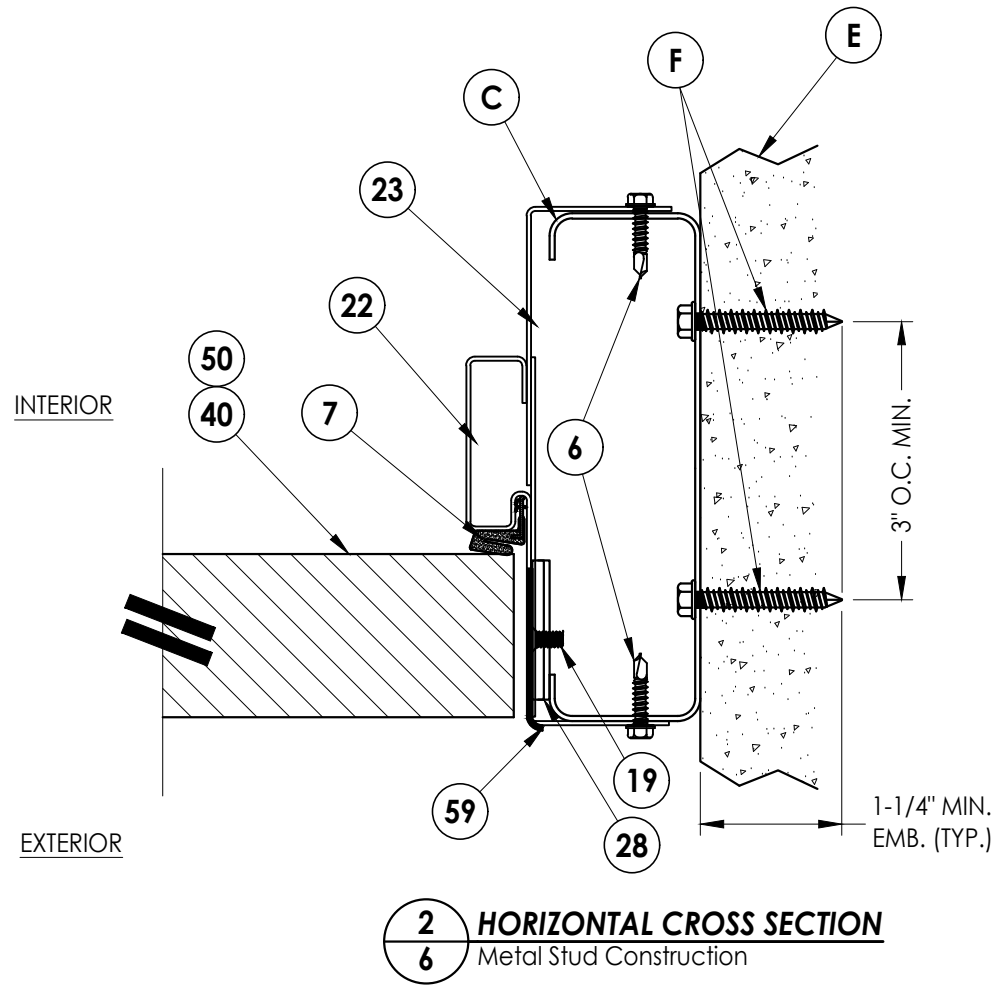
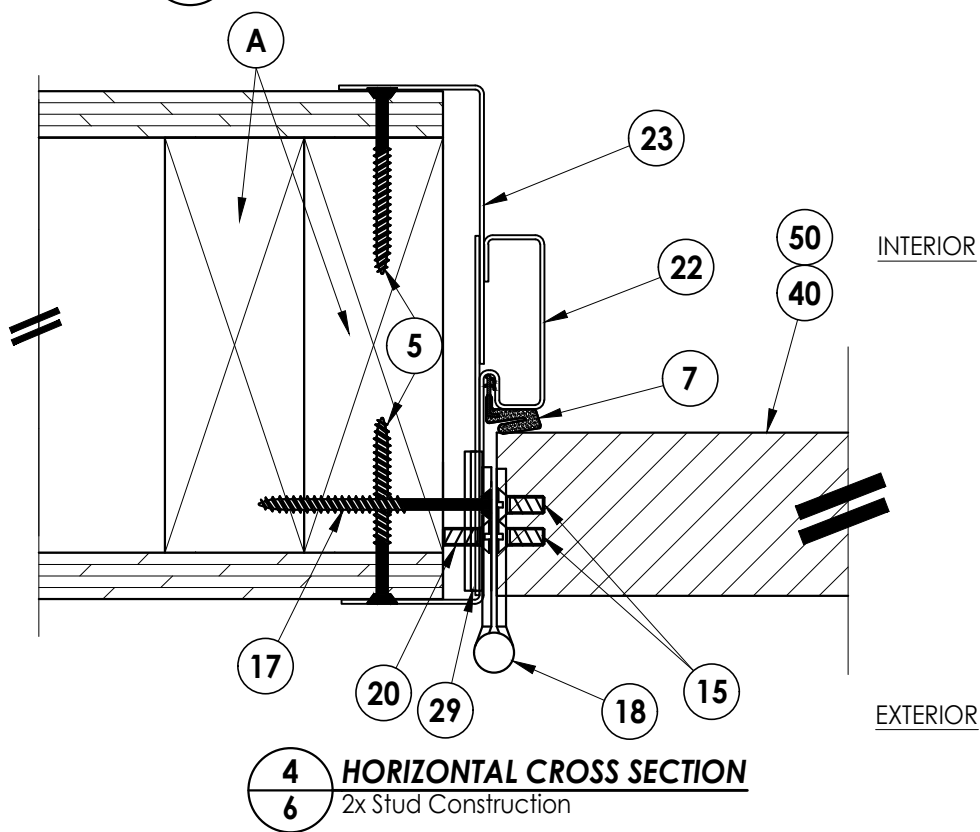
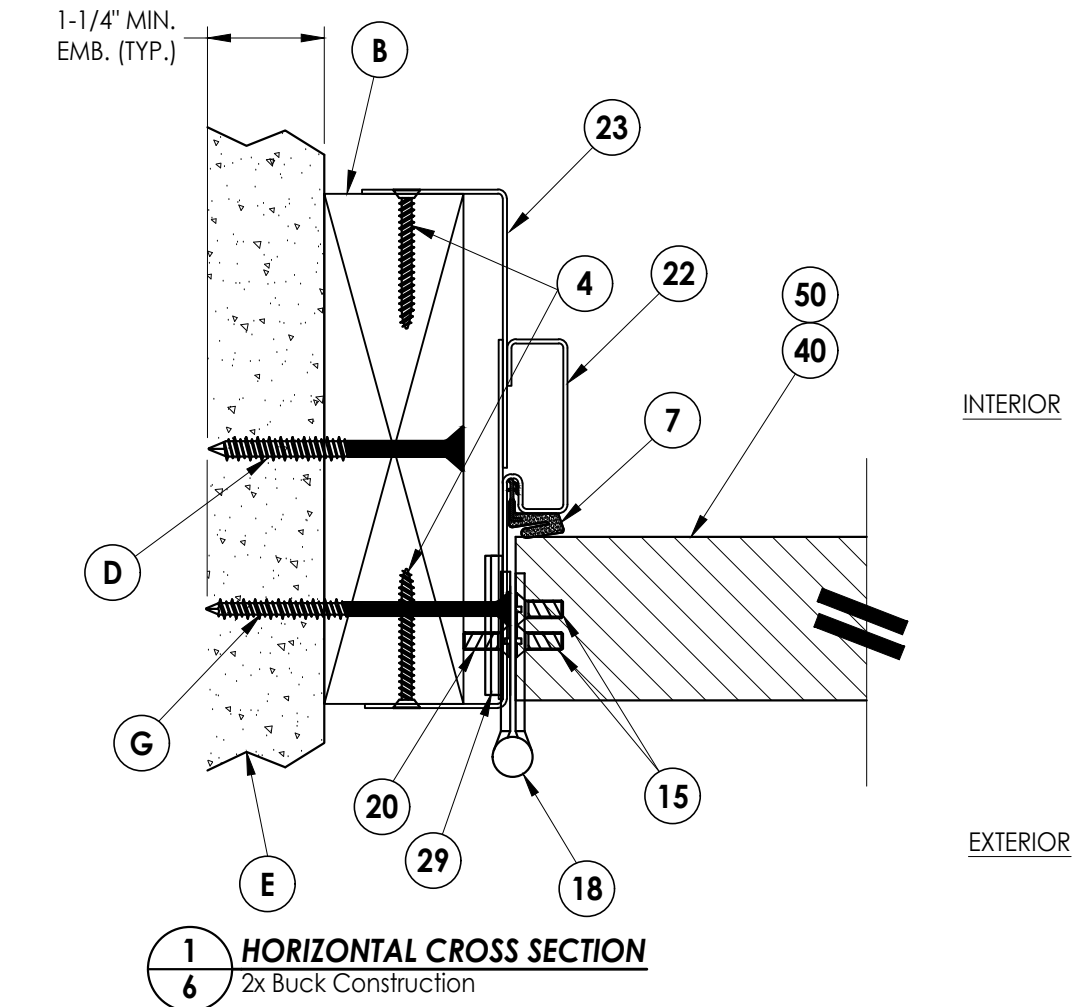
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7	8/31/20	UPDATE TO 7TH ED. (2020)	FBC	LFS		
6	5/06/19	ADD SILL ANCHORING OPTION		LFS		
5	4/17/18	CLARIFY FRAME ANCHORING		LFS		
4	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	JK		
NO.	DATE			BY		
				REVISIONS		
DATE: 4/11/11						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-14512.1						
SHEET 5 OF 10						

PRODUCT:	IDP
	STEEL FRAME (K2A-SERIES)
	PART OR ASSEMBLY:
ELEVATIONS	

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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NO.		DATE	REVISIONS	
			BY	
8	7/13/23	UPDATE TO 8TH ED. (2023) FBC	LFS	
7	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS	
6	5/06/19	ADD SILL ANCHORING OPTION	LFS	
5	4/17/18	CLARIFY FRAME ANCHORING	LFS	
4	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK	

DATE: 4/11/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14512.1

SHEET 6 OF 10

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

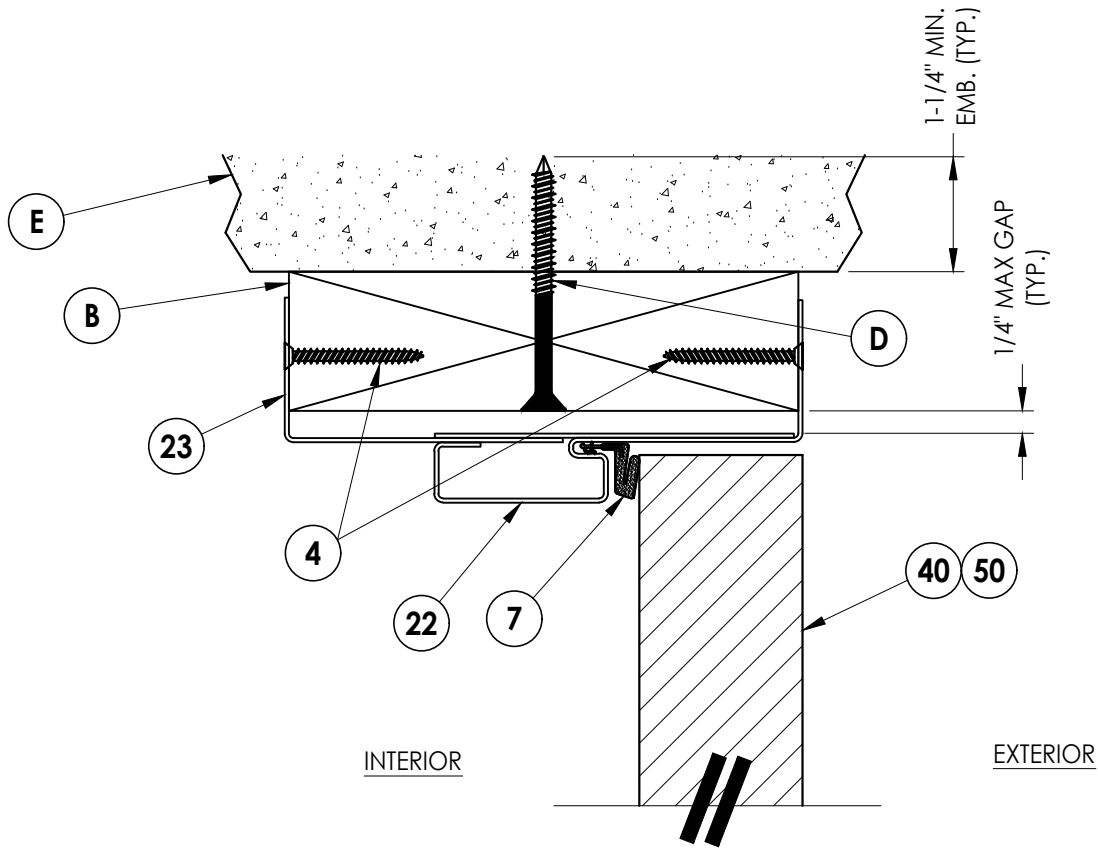
PRODUCT: IDP
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:

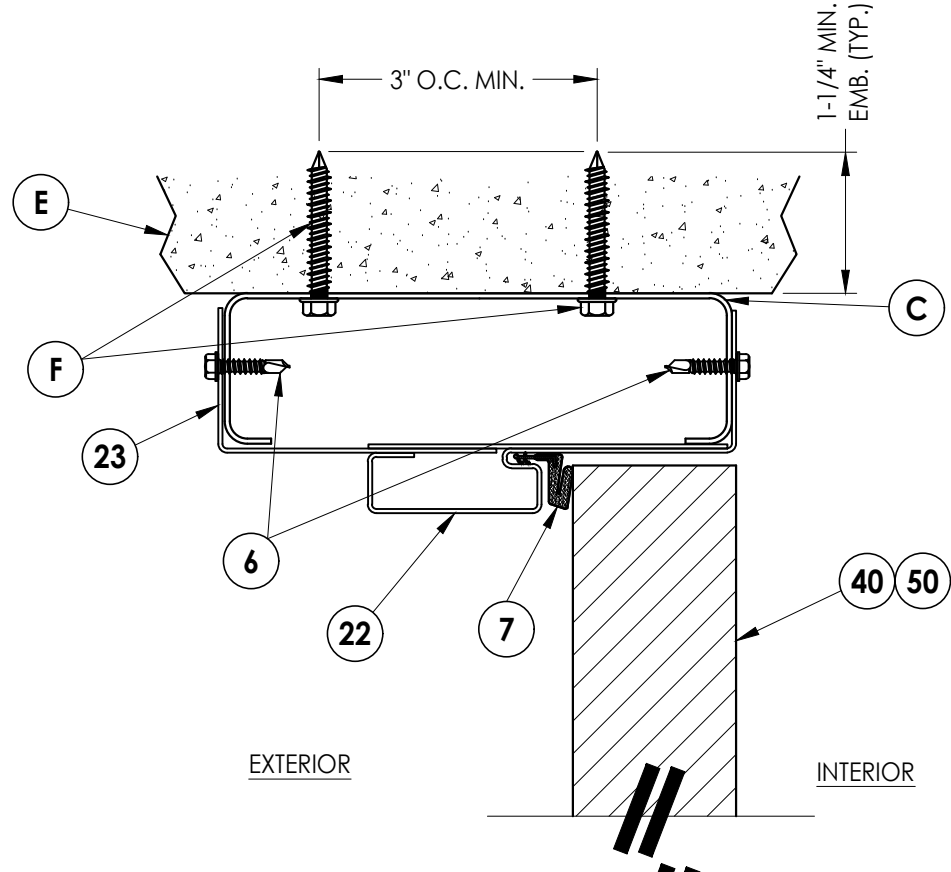
HORIZONTAL CROSS SECTIONS

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

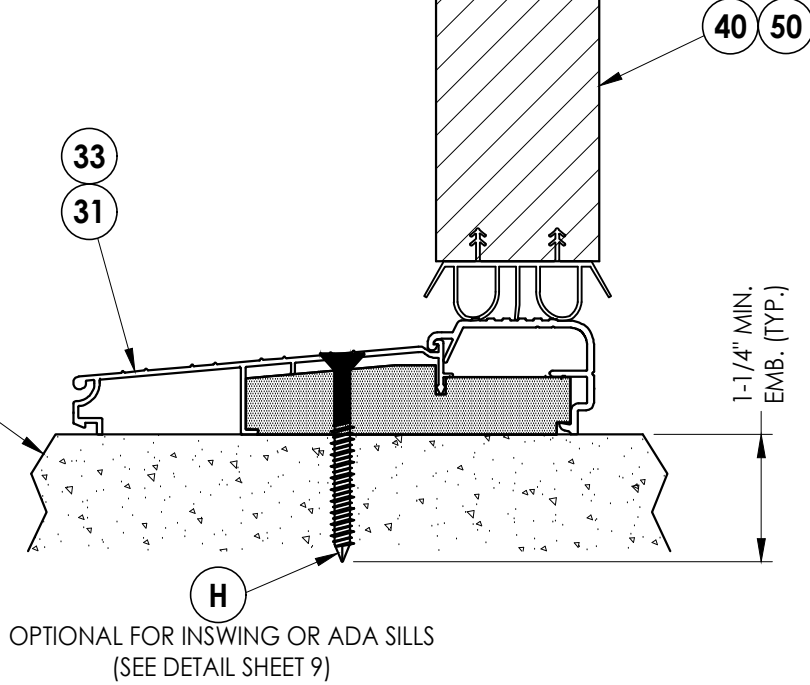
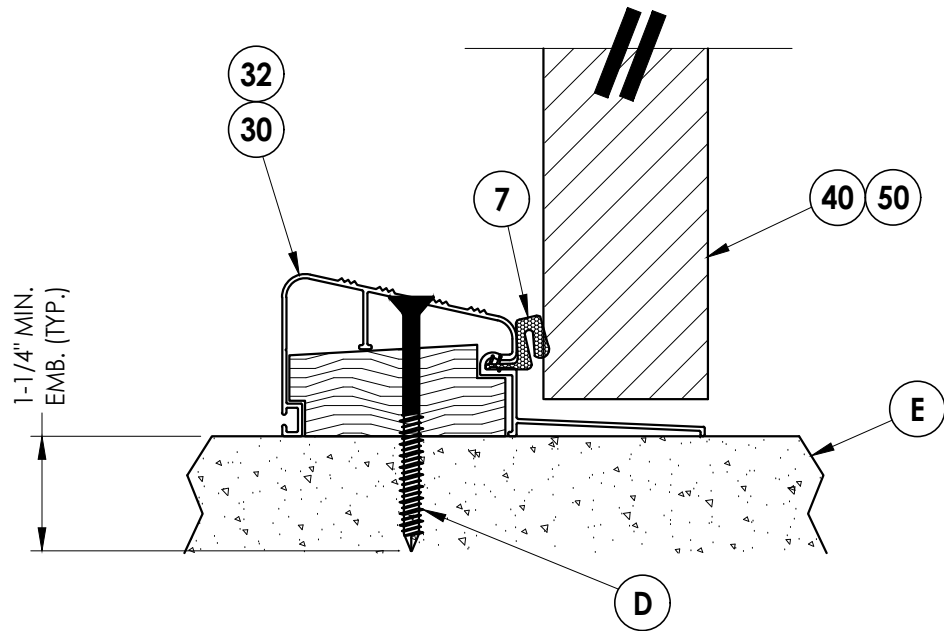
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1 **VERTICAL CROSS SECTION**
7 Outswing

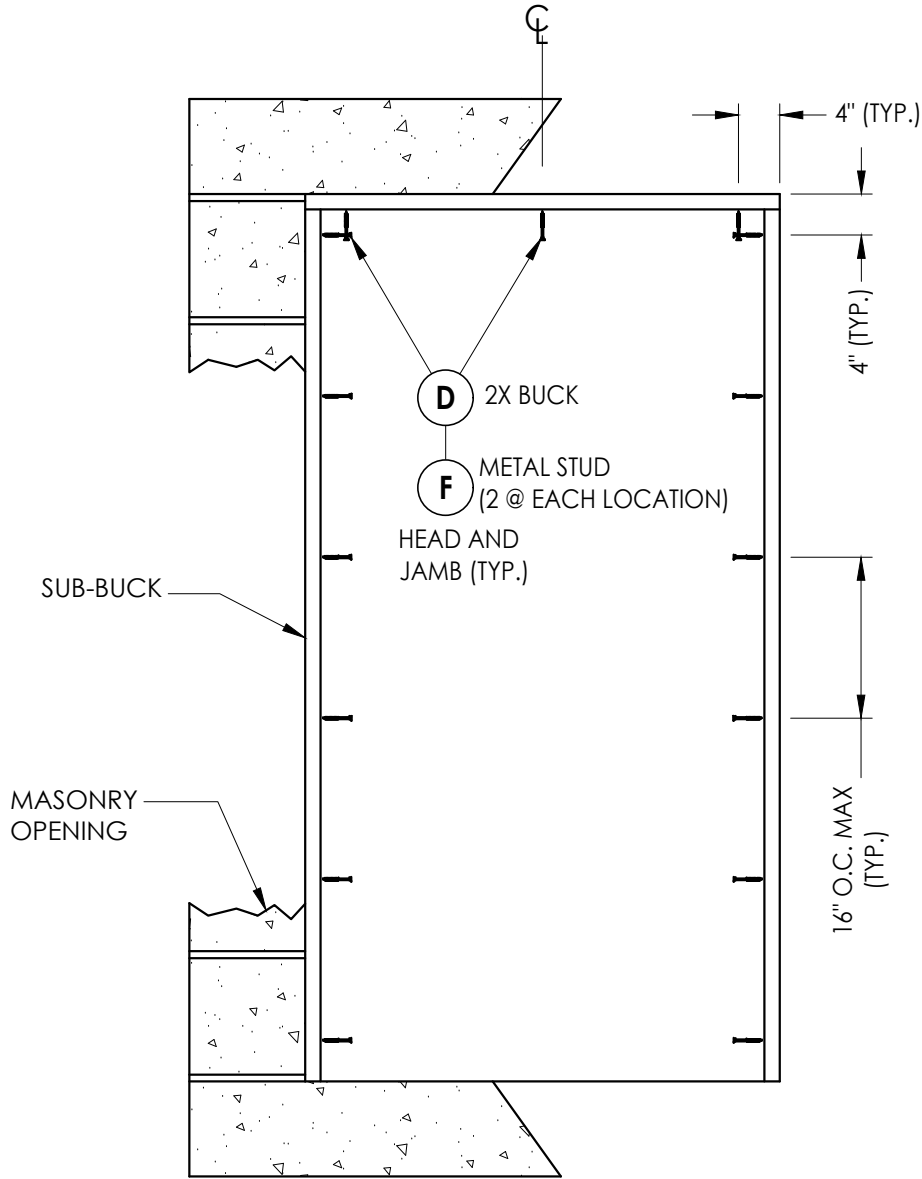


2 **VERTICAL CROSS SECTION**
7 Inswing

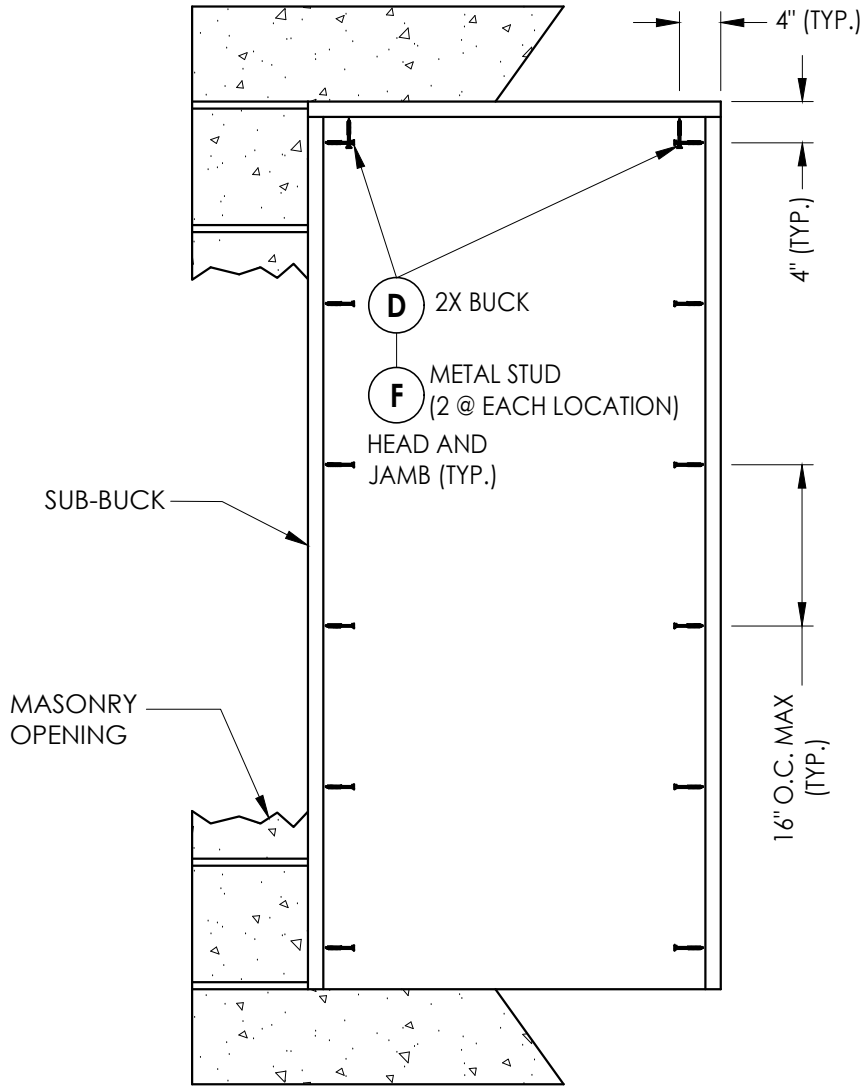


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		IDP STEEL FRAME (K2A-SERIES)	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.		DATE	
		REVISIONS	
8	7/13/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS
6	5/06/19	ADD SILL ANCHORING OPTION	LFS
5	4/17/18	CLARIFY FRAME ANCHORING	LFS
4	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
DATE:		4/11/11	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-14512.1	
SHEET		7 OF 10	

Z:\2023 FBC Drawings\International Door Products\FL-14512 R8\FL-14512.1.dwg



BUCK ANCHORING
Taylor Door



BUCK ANCHORING
Masonite Door

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

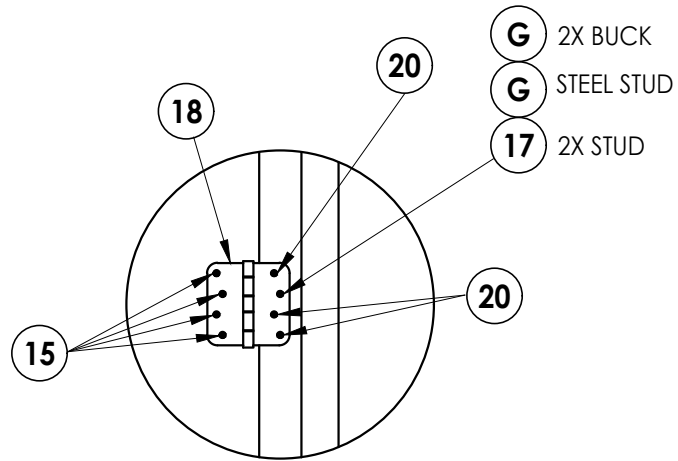
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

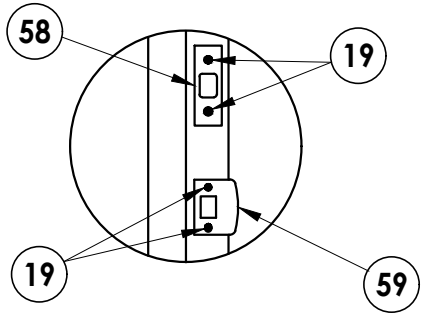
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: IDP STEEL FRAME (K2A-SERIES)		PART OR ASSEMBLY: BUCK ANCHORING		R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
8	7/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
7	8/31/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
6	5/06/19	ADD SILL ANCHORING OPTION		LFS			
5	4/17/18	CLARIFY FRAME ANCHORING		LFS			
4	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
NO	DATE			BY			
				REVISIONS			
DATE:		4/11/11					
SCALE:		N.T.S.					
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CHK. BY:		LFS					
DRAWING NO.:		FL-14512.1					
SHEET		8		OF		10	

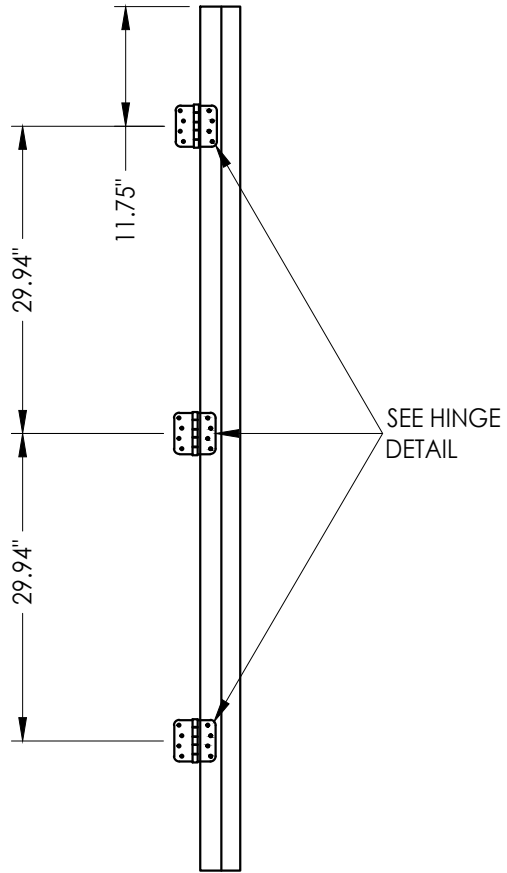
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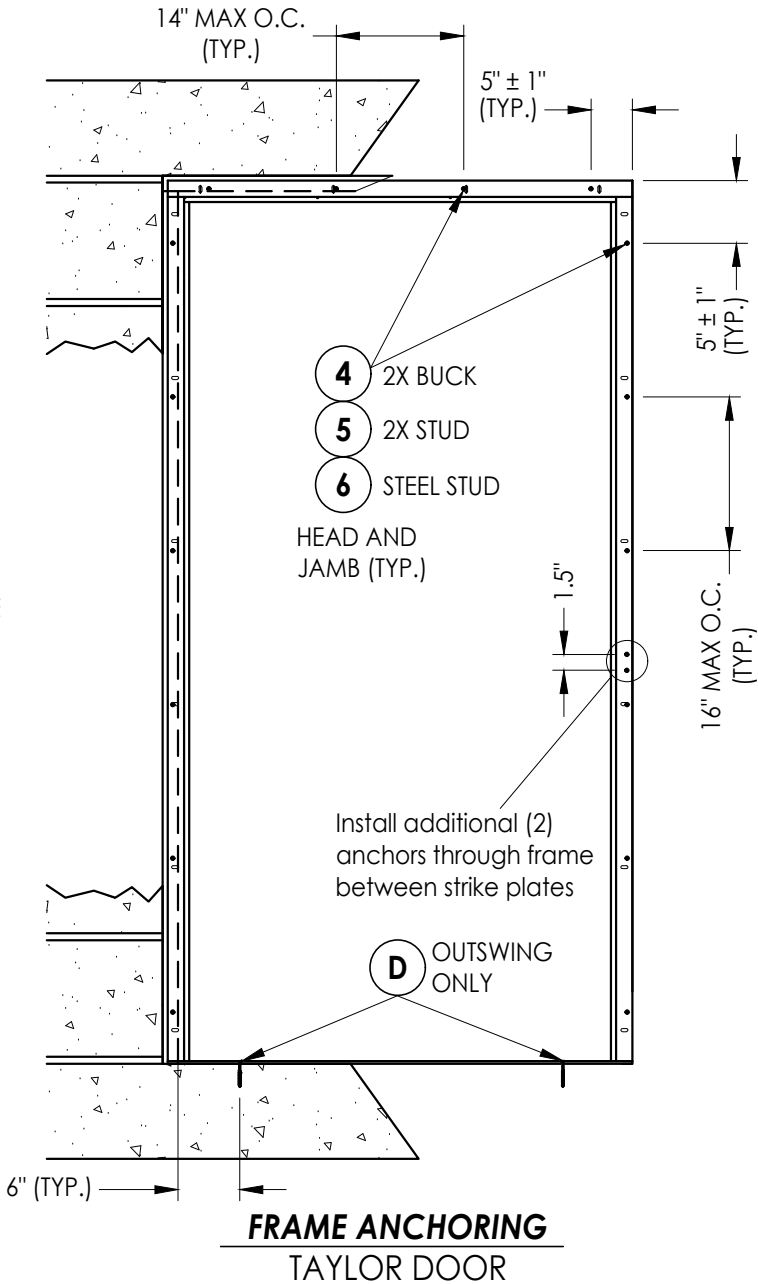
HINGE DETAIL



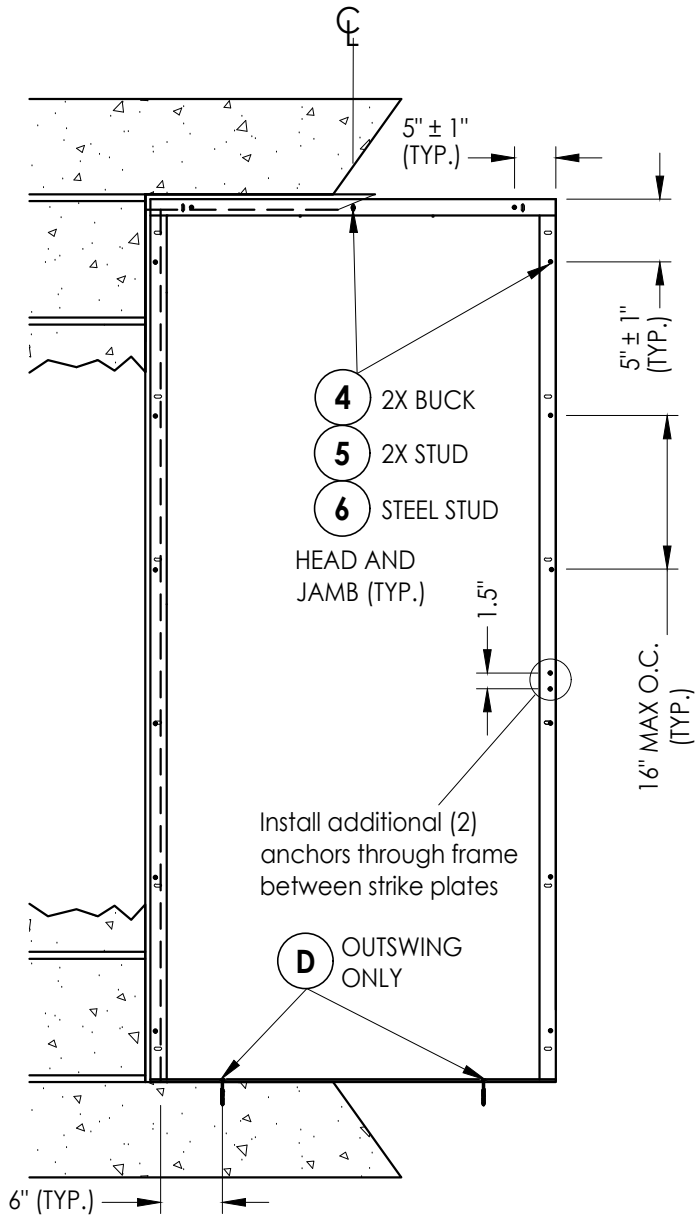
STRIKE PLATE DETAIL



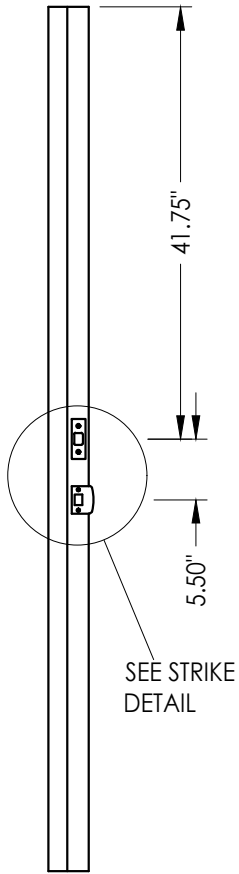
HINGE JAMB



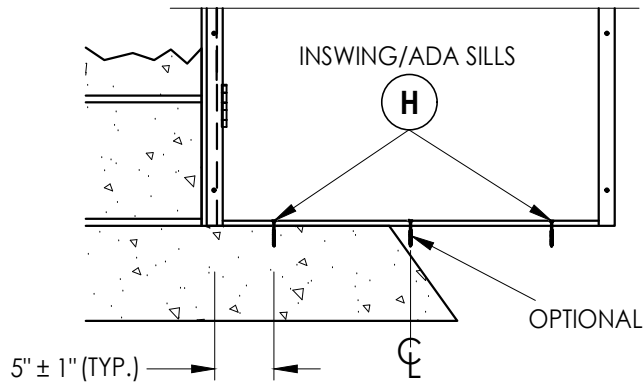
**FRAME ANCHORING
TAYLOR DOOR**



**FRAME ANCHORING
MASONITE DOOR**



STRIKE JAMB



**OPTIONAL SILL ANCHORING (INSWING OR ADA SILLS)
IN LIEU OF FRAME CORNER CONNECTIONS
(SEE CORNER DETAIL - SHEET 4)**

NO.	DATE	REVISIONS			
		LFS	FBC	FBC	FBC
8	7/13/23	UPDATE TO 8TH ED.	(2023)	FBC	
7	8/31/20	UPDATE TO 7TH ED.	(2020)	FBC	
6	5/06/19	ADD SILL ANCHORING OPTION			
5	4/17/18	CLARIFY FRAME ANCHORING			
4	9/26/17	UPDATE TO 6TH ED.	(2017)	FBC	
		JK			
		BY			

DATE: 4/11/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14512.1

SHEET 9 OF 10

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

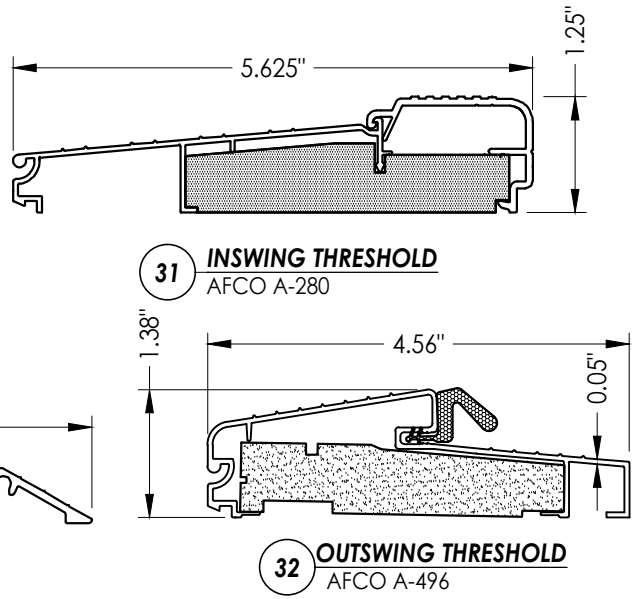
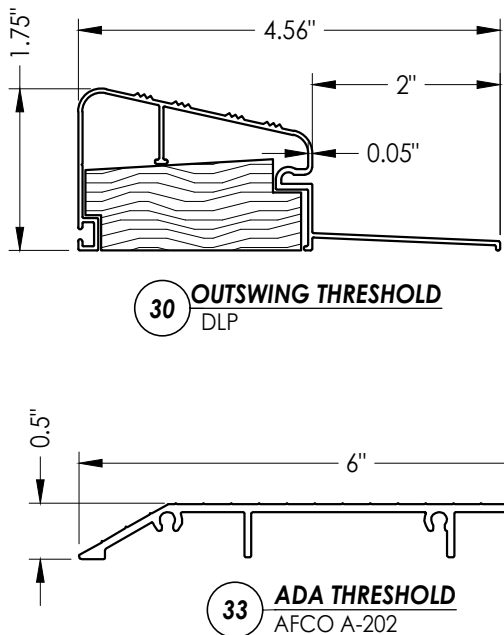
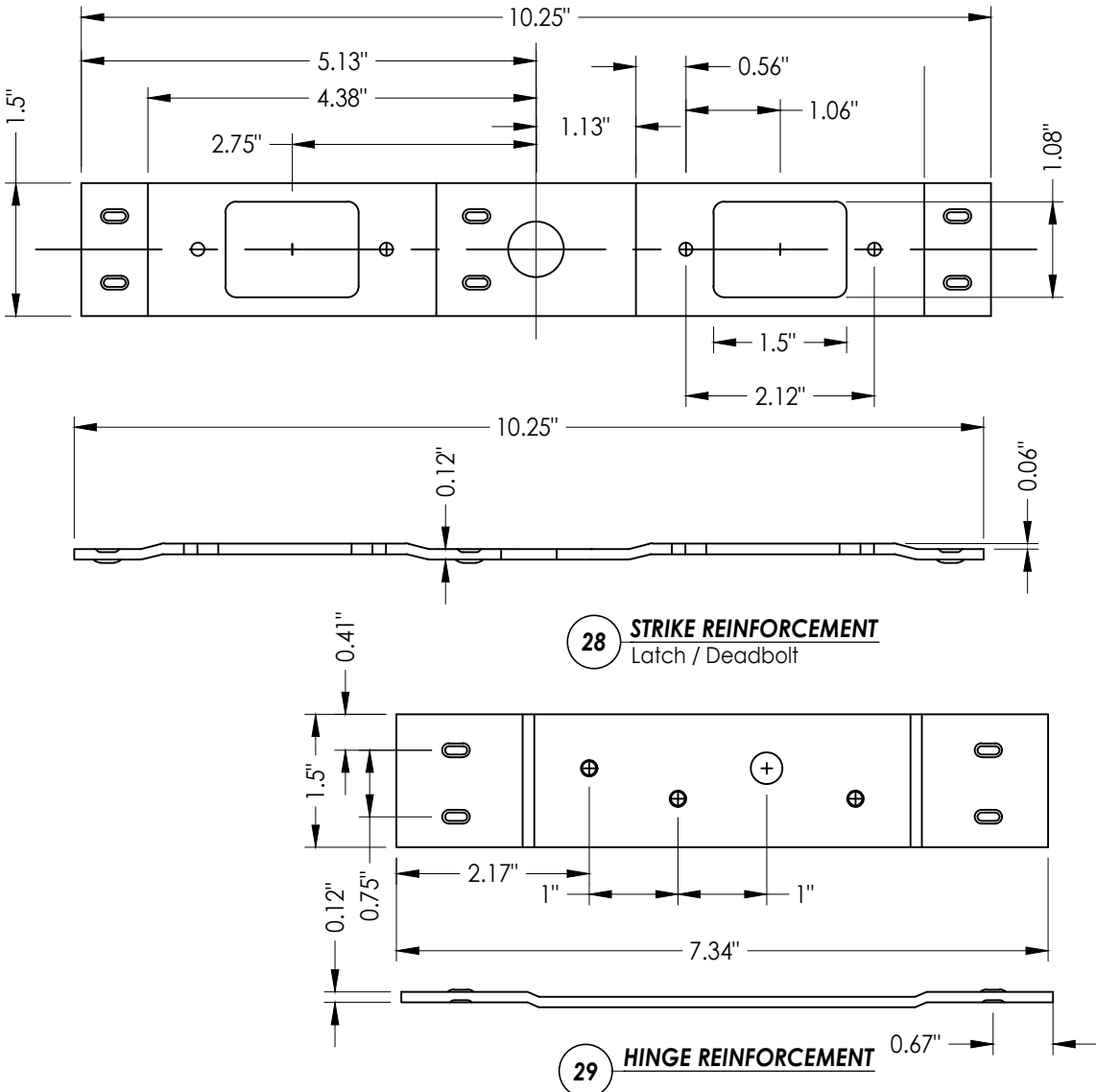
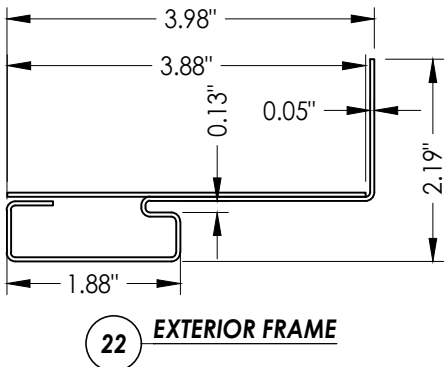
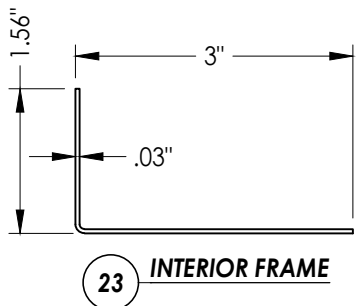
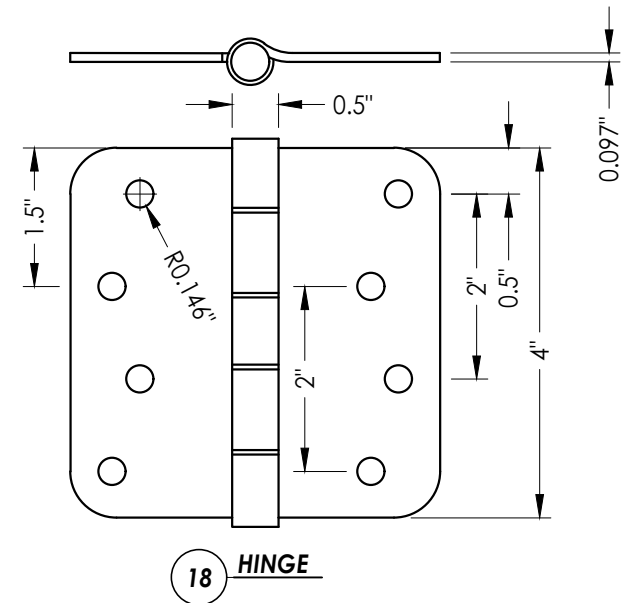
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: IDP
STEEL FRAME (K2A-SERIES)

PART OR ASSEMBLY:
FRAME ANCHORING

Z:\2023 FBC Drawings\International Door Products\FL-14512 R8\FL-14512.1.dwg

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" DeWALT 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" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
4	#10 X 1-1/2" PFH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
5	#10 X 2" PFH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
6	#10 X 3/4" HWH SELF-DRILLING TEK SCREW (3 THREADS MUST PROTRUDE THRU STEEL)	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
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 - SEE DOOR PANEL DETAILS	-
50	MASONITE STEEL DOOR - SEE DOOR PANEL DETAILS	-
58	STRIKE PLATE - DEADBOLT	STEEL
59	" T " STRIKE PLATE - LATCH	STEEL



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: IDP STEEL FRAME (K2A-SERIES)		PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS	
8	7/13/23	UPDATE TO 8TH ED. (2023) FBC	LFS
7	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS
6	5/06/19	ADD SILL ANCHORING OPTION	LFS
5	4/17/18	CLARIFY FRAME ANCHORING	LFS
4	9/26/17	UPDATE TO 6TH ED. (2017) FBC	JK
NO.	DATE		BY
REVISIONS			
DATE: 4/11/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14512.1			
SHEET 10 OF 10			