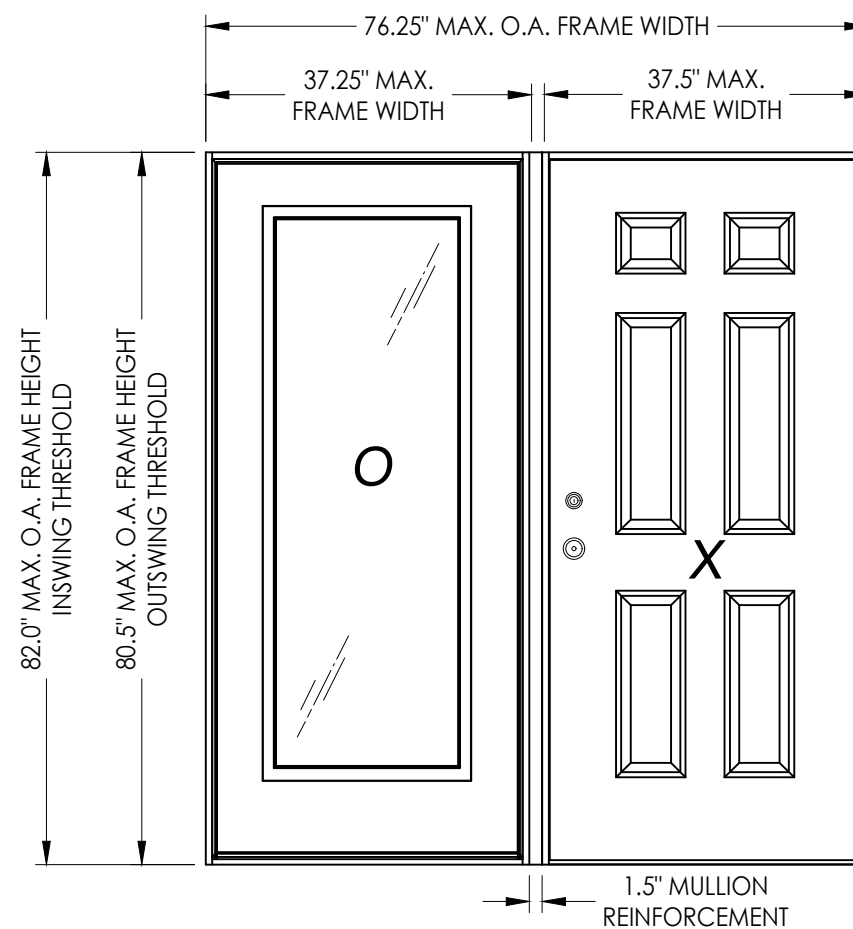
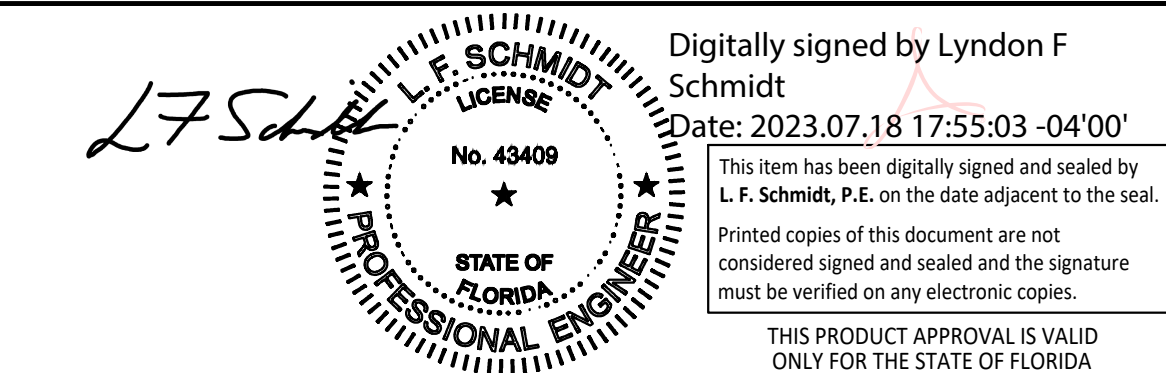




**STEEL EDGE OPAQUE SINGLE DOOR w/ SIDELITE
INSWING / OUTSWING
"IMPACT"**

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 FBC and does not require an impact resistant covering.
4. When used in areas outside of 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal outswing item #31 meet water infiltration requirements for "HVHZ".
8. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing 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.

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	7	Buck anchoring
2	Door panel details, components and hardware chart	8	Frame anchoring 2X buck masonry construction
3	Sidelite panel construction details & glazing detail	9	Frame anchoring 1X buck masonry construction
4	Horizontal cross sections	10	Components
5	Vertical cross sections	11	Bill of materials
6	Vertical cross sections		

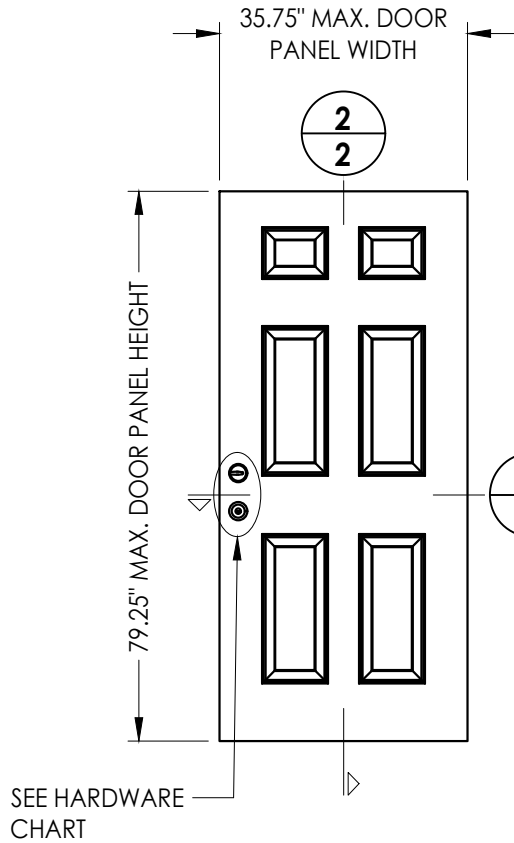


OPAQUE SINGLE DOOR W/SIDELITE
(OX configuration shown, XO also app'd)

SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	76.25" x 82.0"	+60.0	-60.0
OUTSWING	76.25" x 80.5"	+60.0	-60.0

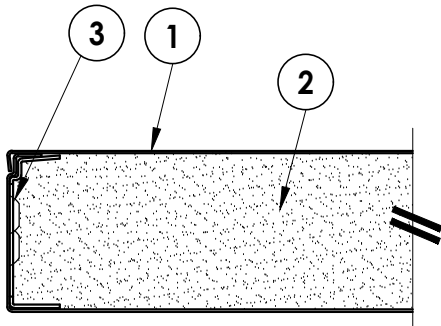
DATE: 06/04/07		PRODUCT: TAYLOR DOORS STEEL EDGE DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: TL					
CHK. BY: LFS					
DRAWING NO.: FL-8845.12					
SHEET 1 OF 11					

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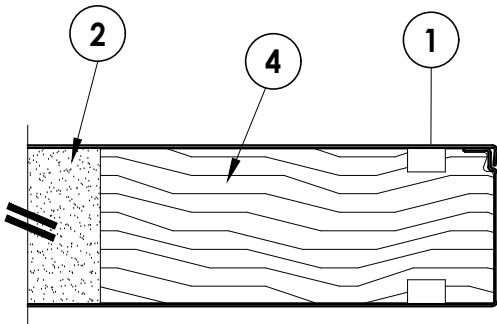


40 STEEL EDGE DOOR PANEL

HARDWARE CHART	
MANUFACTURER	MODEL
YALE	Knob: NEW TRADITIONS
	DEADBOLT: NEW TRADITIONS (800 SERIES)
SCHLAGE	Knob/Lever: "F" SERIES
	DEADBOLT: B60/62
KWIKSET	Knob: SIGNATURE SERIES
	DEADBOLT: SIGNATURE SERIES (980)

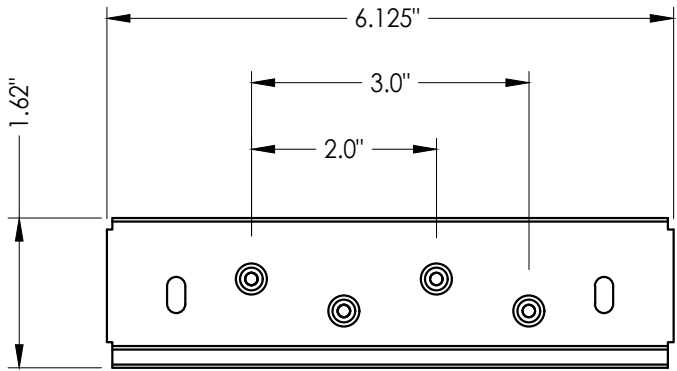


EXTERIOR

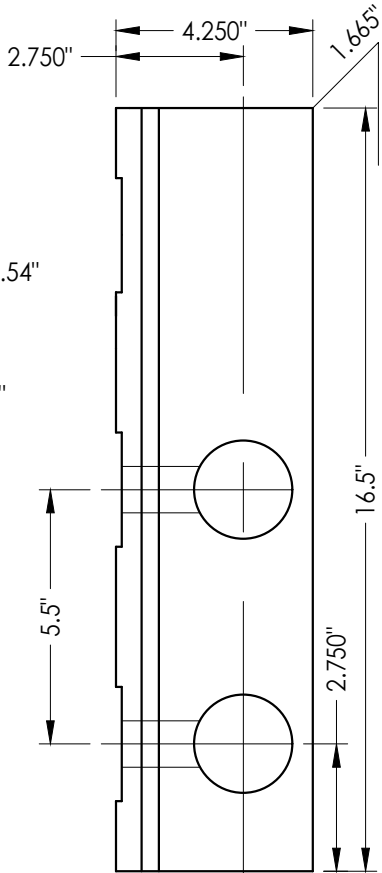
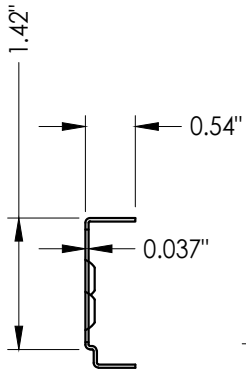


INTERIOR

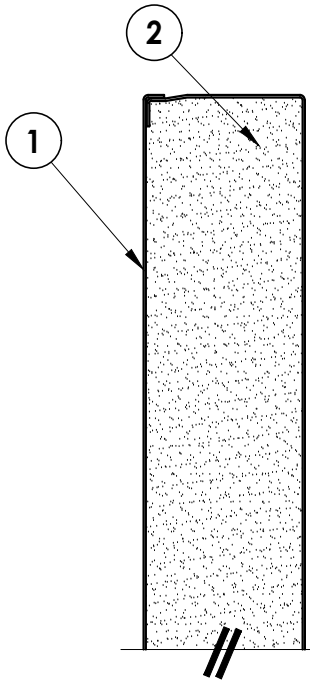
1 2 HORIZONTAL CROSS SECTION



3 HINGE REINFORCEMENT

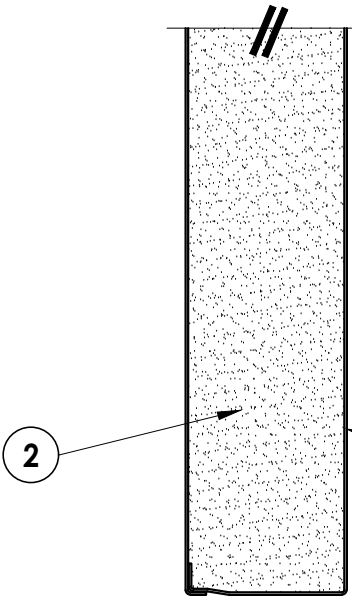


4 LOCK BLOCK DETAIL



EXTERIOR

INTERIOR



2 2 VERTICAL CROSS SECTION

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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: TAYLOR DOORS
STEEL EDGE DOOR
PART OR ASSEMBLY:
DOOR PANEL DETAILS,
COMPONENTS & HARDWARE CHART

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	1/9/12	UPDATE TO 2010 FBC

DATE: 06/04/07

SCALE: N.T.S.

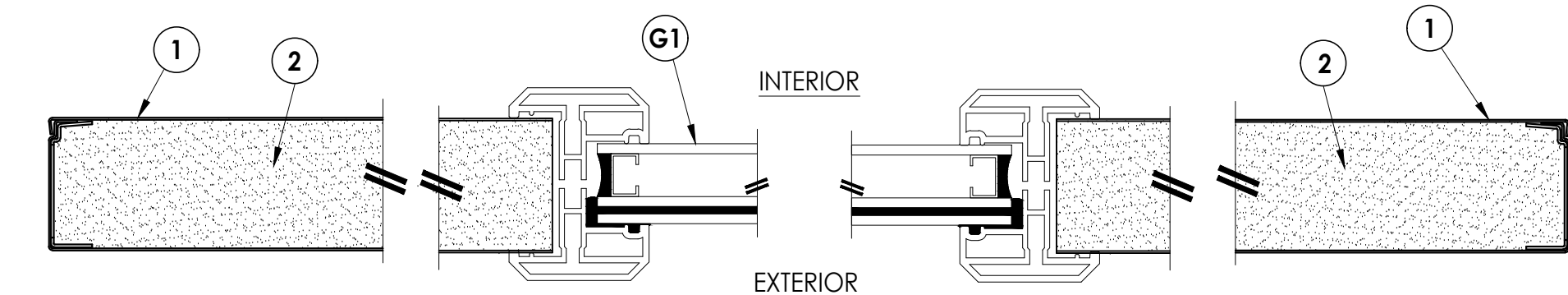
DWG. BY: TL

CHK. BY: LFS

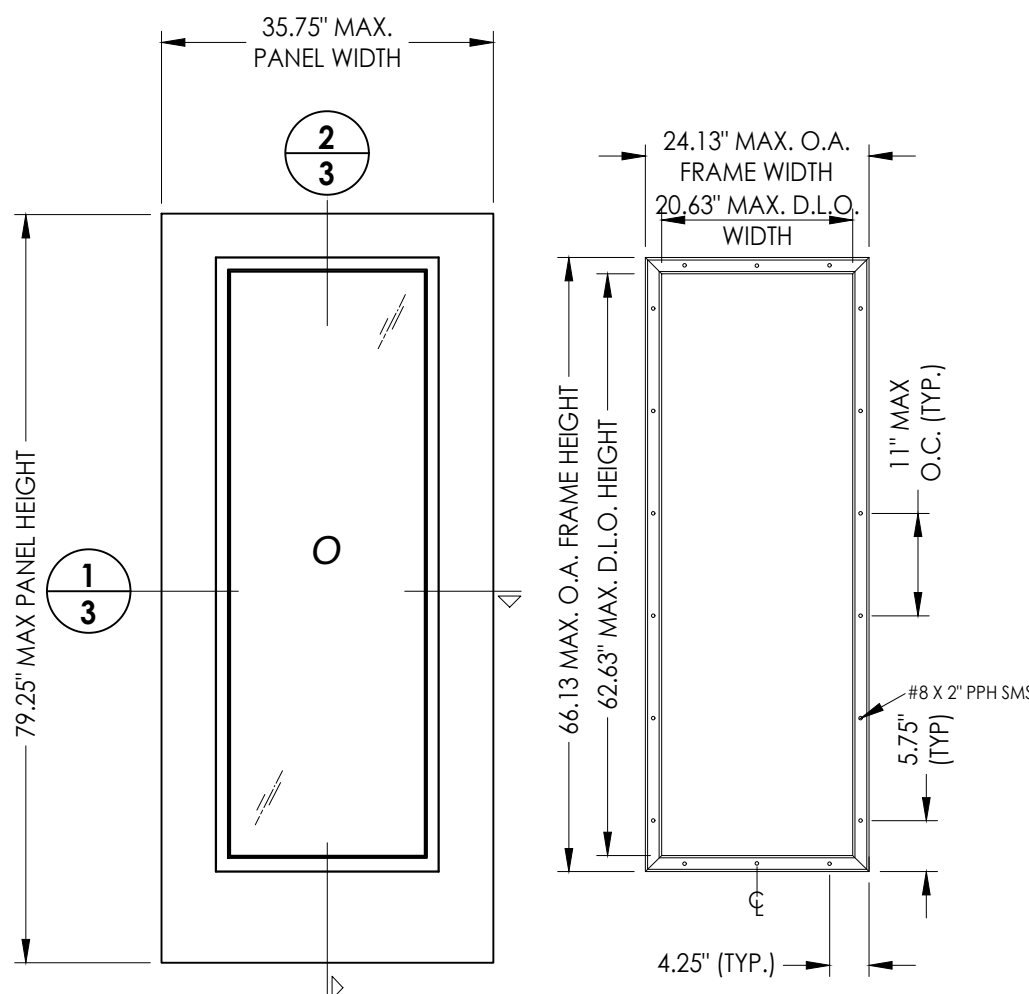
DRAWING NO.: FL-8845.12

SHEET 2 OF 11

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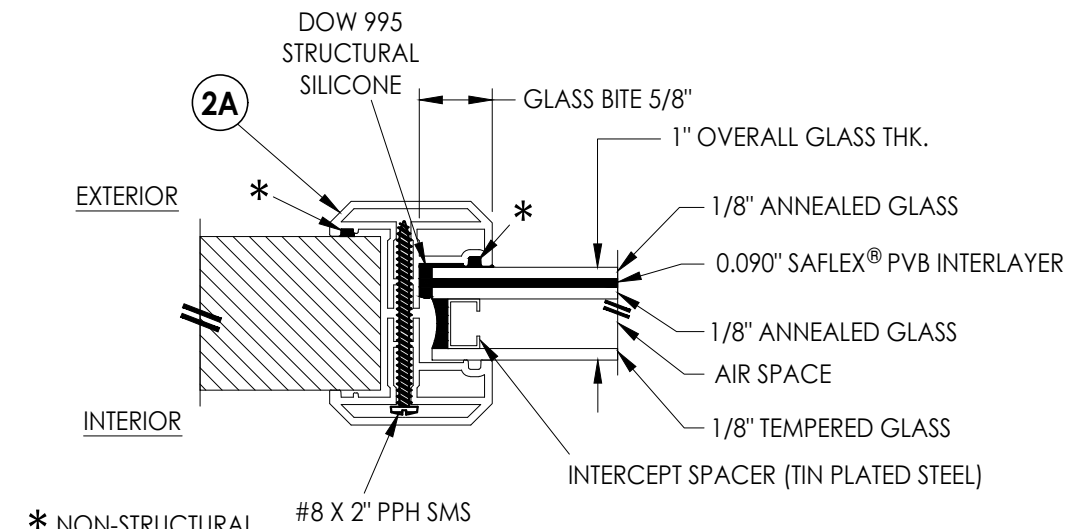


1
3 HORIZONTAL CROSS SECTION

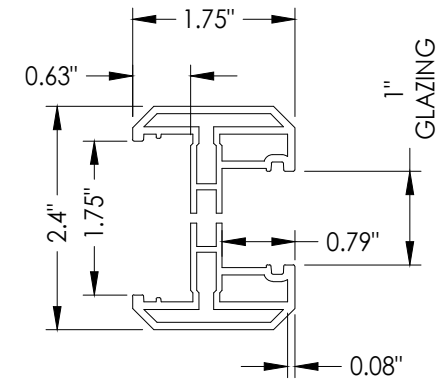


41 SIDELITE PANEL

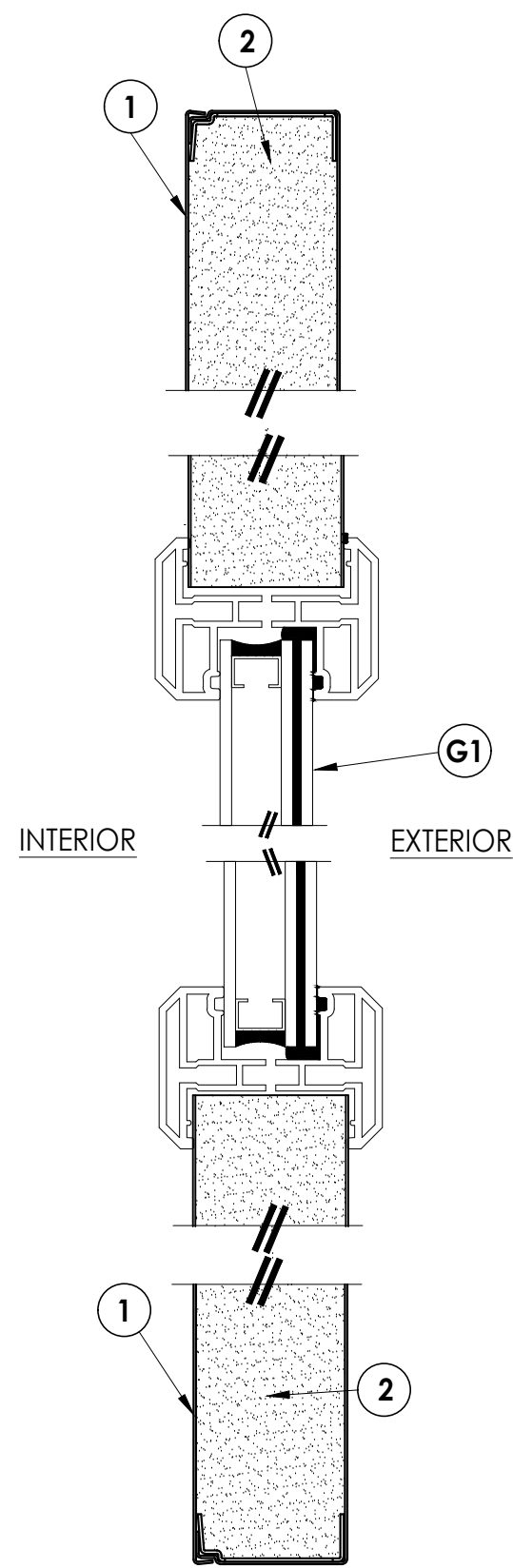
ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE



G1 GLAZING DETAIL
ODL "FLAT FRAME"



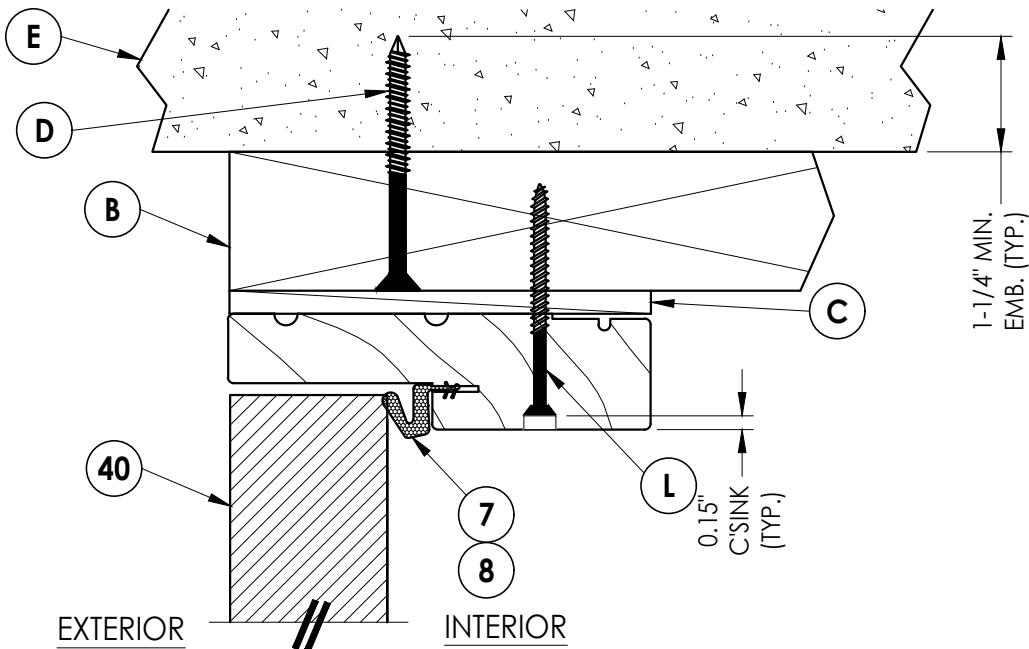
2A ODL LITE FRAME
"FLAT FRAME" PROFILE
(6063-T5 ALUM)



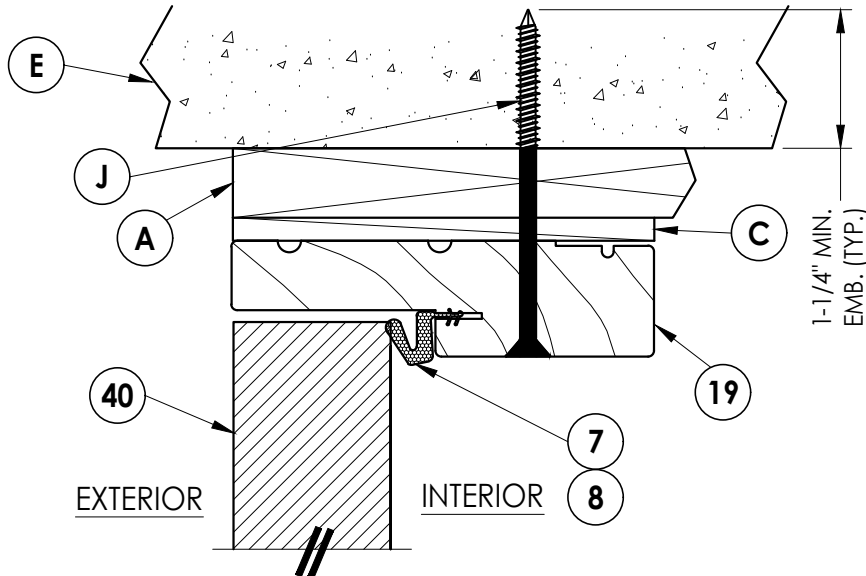
2
3 VERTICAL CROSS SECTION

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: TAYLOR DOORS STEEL EDGE DOOR				PART OR ASSEMBLY: SIDELITE PANEL CONSTRUCTION DETAILS & GLAZING DETAIL			
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS			
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK			
1	1/9/12	UPDATE TO 2010 FBC		KV			
NO.	DATE			BY			
				REVISIONS			
DATE: 06/04/07							
SCALE: N.T.S.							
DWG. BY: TL							
CHK. BY: LFS							
DRAWING NO.: FL-8845.12							
SHEET 3 OF 11							

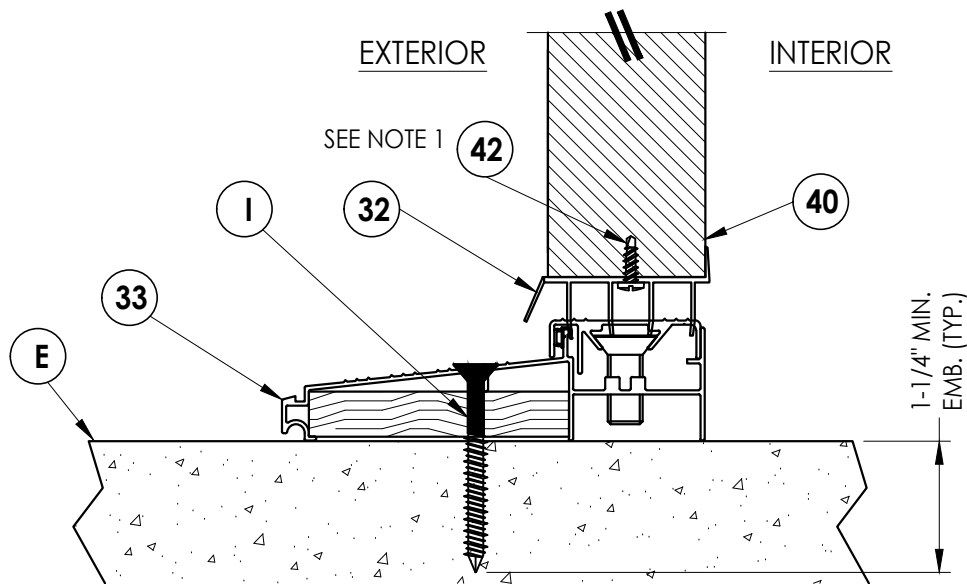
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1
5 **VERTICAL CROSS SECTION**

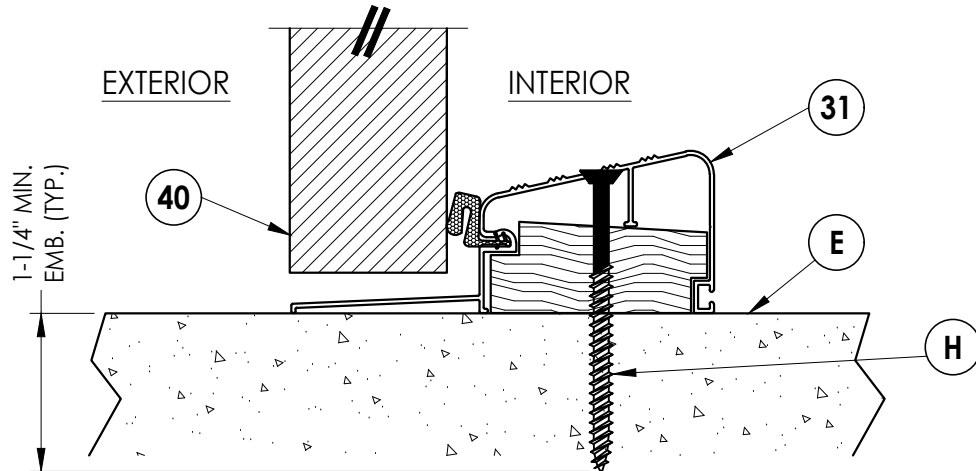


2
5 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
5 **VERTICAL CROSS SECTION**
Inswing configuration
see general notes, sheet 1
for "HVVH" water infiltration
requirements

NOTE:
1. Item #42 located 2" from each
end plus 2 more equally spaced.



4
5 **VERTICAL CROSS SECTION**
Outswing configuration
see general notes, sheet 1
for "HVVH" water infiltration
requirements

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: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/16/20	UPDATE TO 7th ED (2020) FBC LFS
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC JK
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC JK
1	1/9/12	UPDATE TO 2010 FBC KV

DATE: 06/04/07

SCALE: N.T.S.

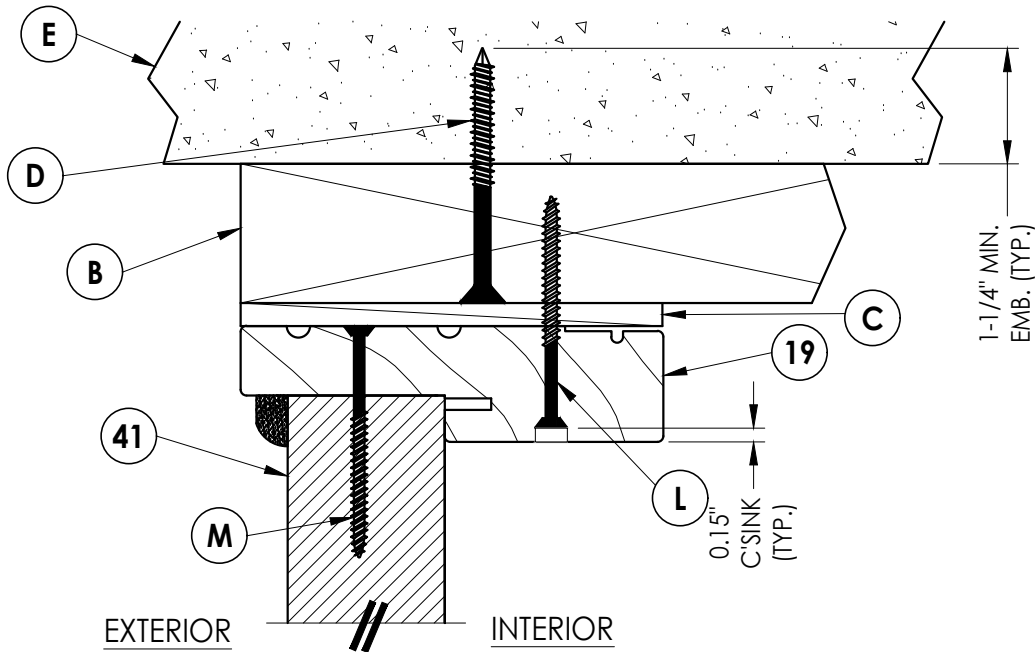
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CHK. BY: LFS

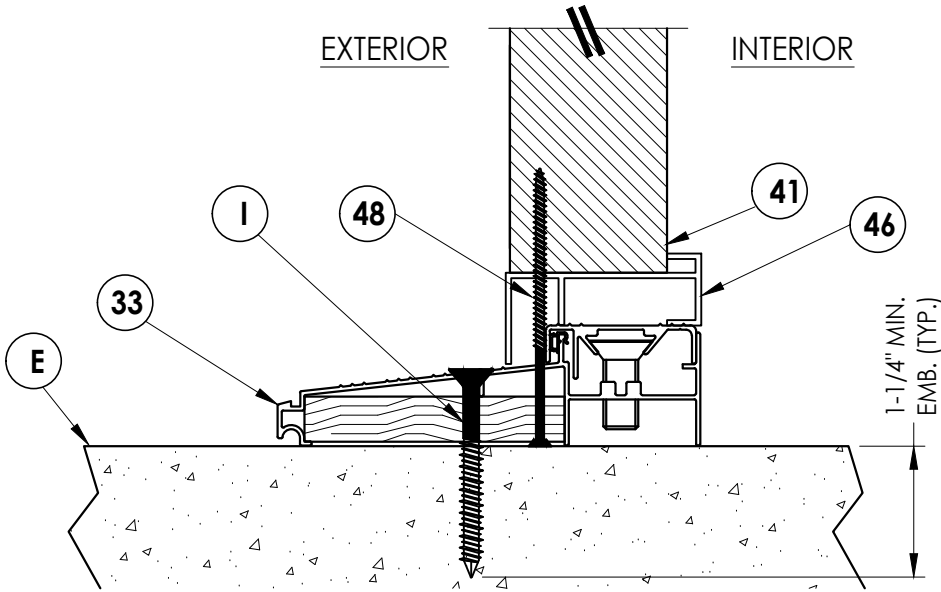
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FL-8845.12

SHEET 5 OF 11

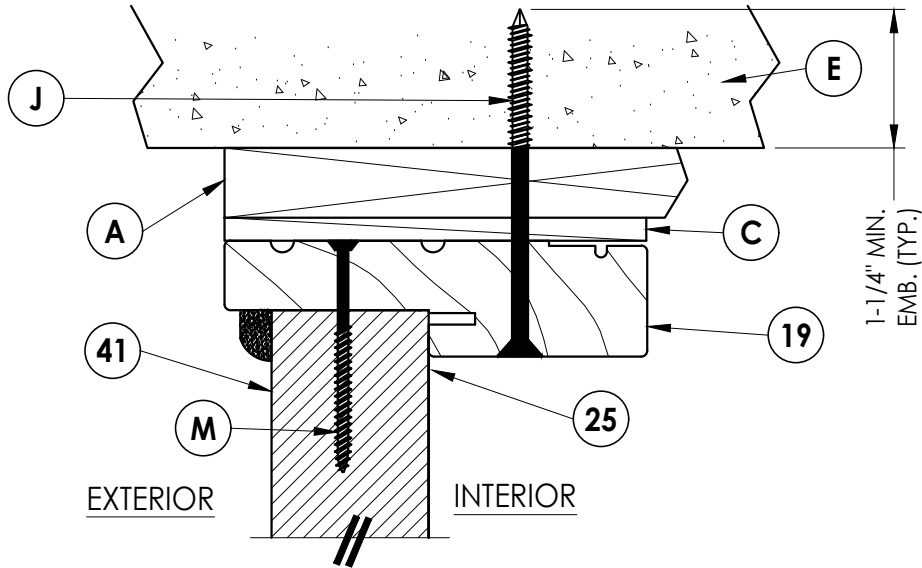
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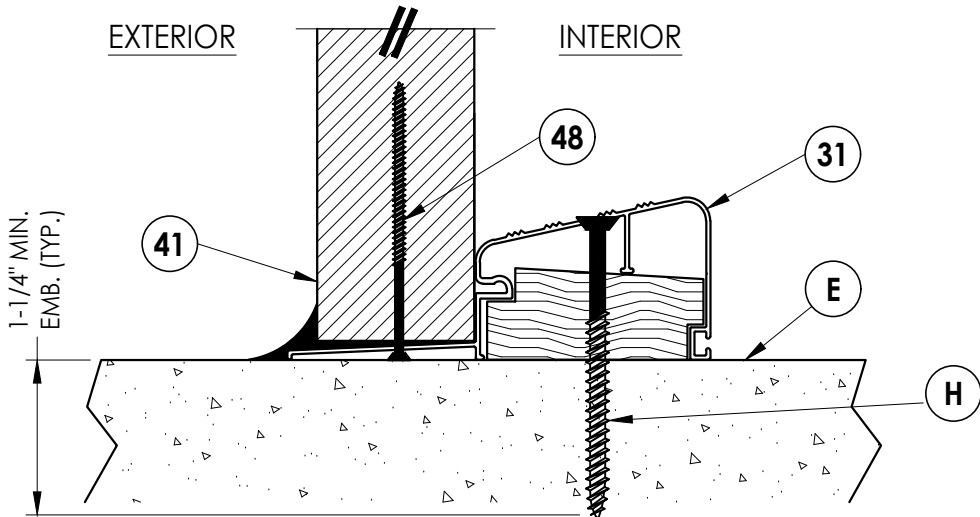
1
6 VERTICAL CROSS SECTION



3
6 VERTICAL CROSS SECTION
Inswing configuration



2
6 VERTICAL CROSS SECTION
Shown w/1X sub-buck



4
6 VERTICAL CROSS SECTION
Outswing configuration

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	1/9/12	UPDATE TO 2010 FBC

DATE: 06/04/07

SCALE: N.T.S.

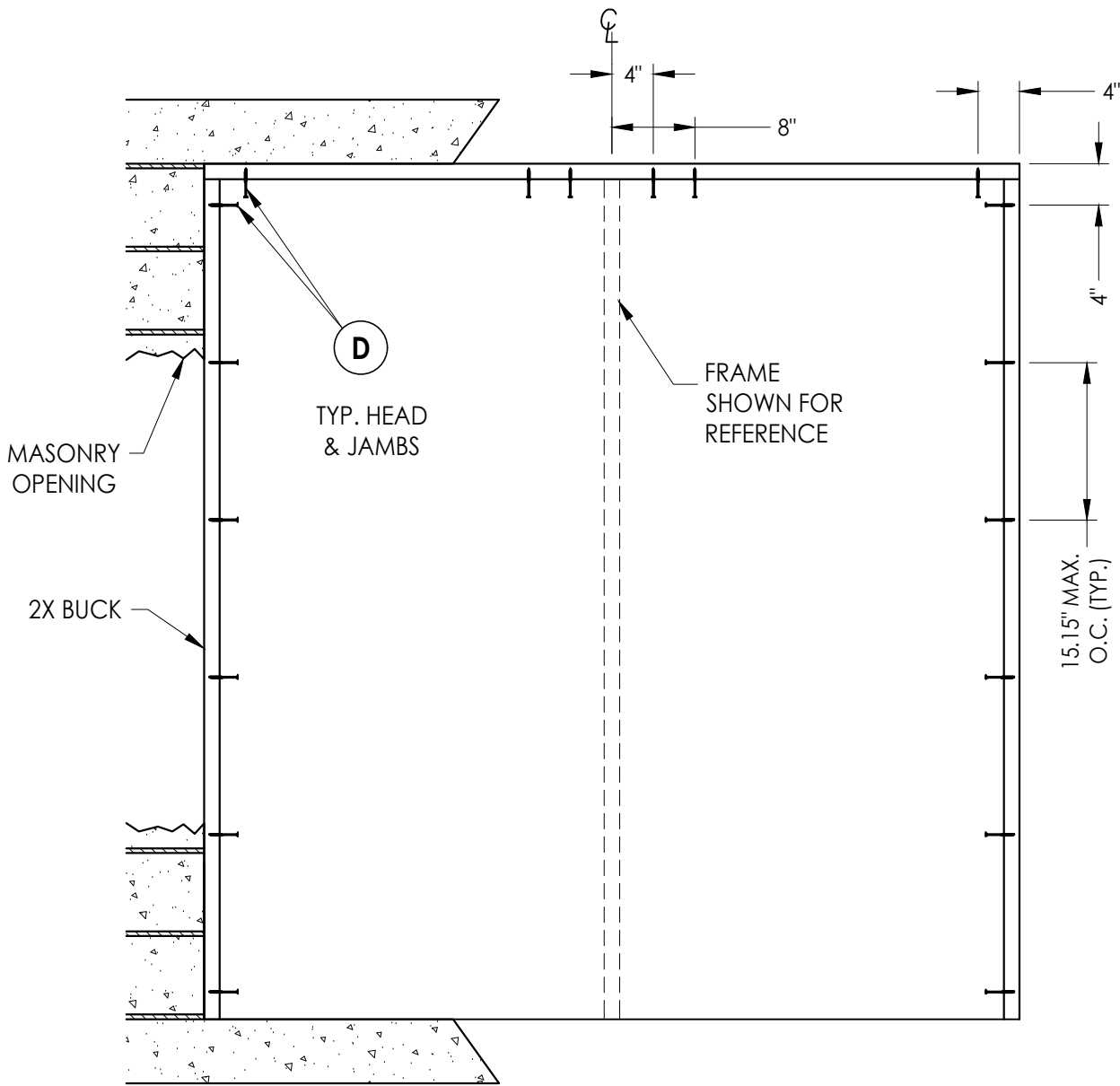
DWG. BY: TL

CHK. BY: LFS

DRAWING NO.: FL-8845.12

SHEET 6 OF 11

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BUCK ANCHORING

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"

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

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

57/06/23UPDATE TO 8TH ED. (2023) FBC LFS

47/16/20UPDATE TO 7th ED (2020) FBC LFS

37/20/17UPDATE TO 6TH ED. (2017) FBC JK

23/9/15UPDATE TO 5TH ED. (2014) FBC JK

11/9/12UPDATE TO 2010 FBC KV

NO. DATE BY

REVISIONS

DATE: 06/04/07

SCALE: N.T.S.

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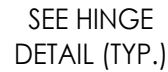
CHK. BY: LFS

DRAWING NO.: FL-8845.12

SHEET 7 OF 11

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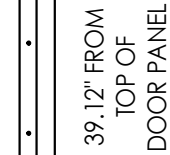


HINGE JAMB



FRAME ANCHORING

Masonry 2X buck construction



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE 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"

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.

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	1/9/12	UPDATE TO 2010 FBC		KV
NO.	DATE			BY
REVISIONS				

DATE: 06/04/07

SCALE: *N.T.S.*

DWG. BY: *TL*

CHK. BY: *LFS*

DRAWING NO.:

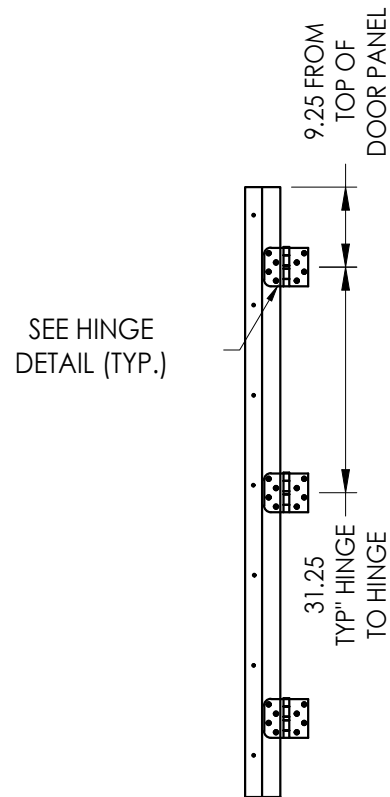
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QUEST 9 OF 11

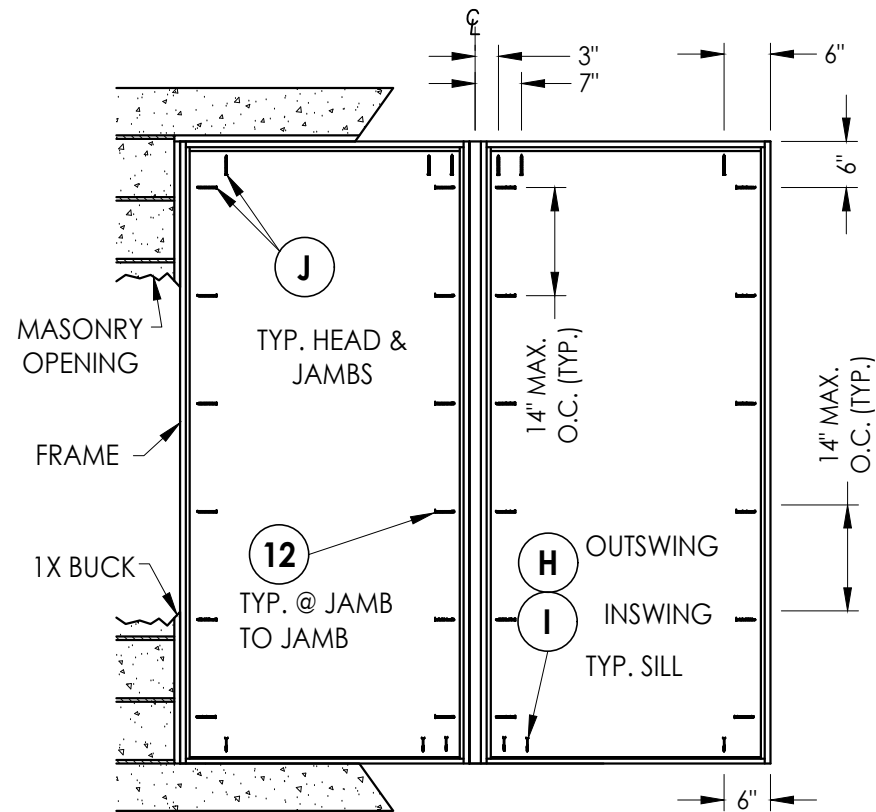
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW

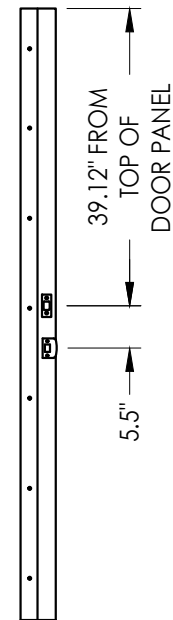
PART OR ASSEMBLY:
FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION



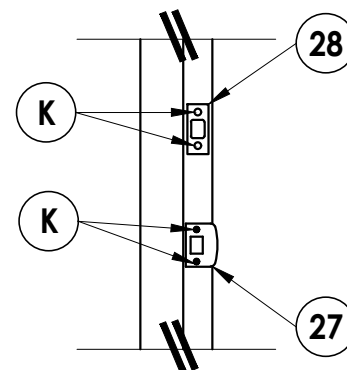
HINGE JAMB



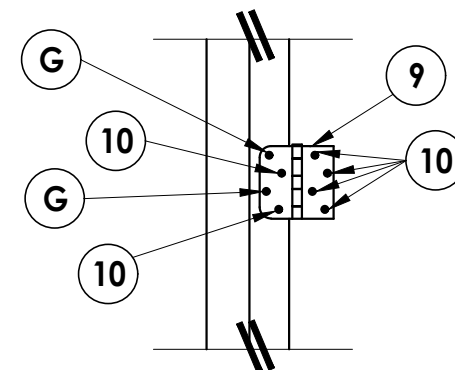
FRAME ANCHORING
Masonry 1X buck construction



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE 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"
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.

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	1/9/12	UPDATE TO 2010 FBC		KV
NO.	DATE			BY
DEVISIONS				

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: *TL*

CHK. BY: LFS

DRAWING NO.:

FL-8845.12

SHEET 9 OF 11

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

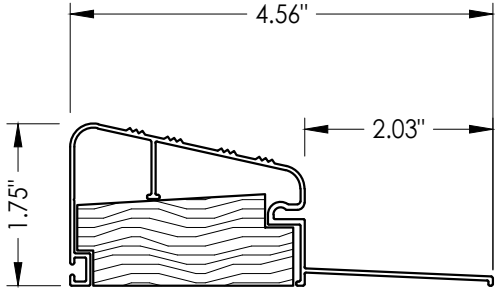
R^{qW}
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

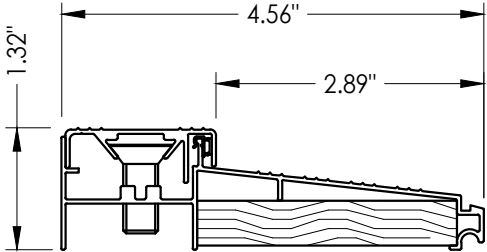
PART OR ASSEMBLY:
**FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION**

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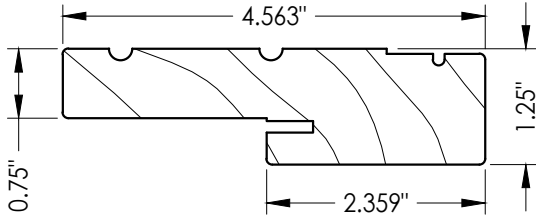
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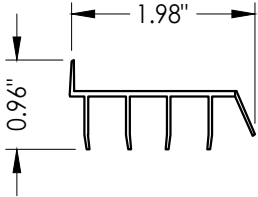
31 **OUTSWING**
Threshold by DLP



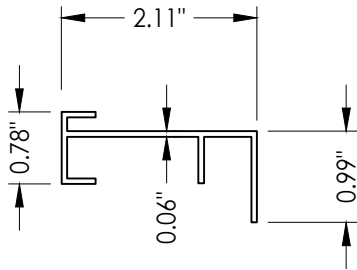
33 **INSWING**
Threshold



19 20 **HEAD & SIDE**
Jamb



32 **SWEEP**



46 **INSWING SIDELITE**
Adapter

PRODUCT:				TAYLOR DOORS STEEL EDGE DOOR				PART OR ASSEMBLY: COMPONENTS				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			
		5		7/06/23		UPDATE TO 8TH ED. (2023)		FBC		LFS									
		4		7/16/20		UPDATE TO 7th ED (2020)		FBC		LFS									
		3		7/20/17		UPDATE TO 6TH ED. (2017)		FBC		JK									
		2		3/9/15		UPDATE TO 5TH ED. (2014)		FBC		JK									
		1		1/9/12		UPDATE TO 2010		FBC		KV									
		NO.		DATE						BY									
												REVISIONS							
DATE: 06/04/07																			
SCALE: N.T.S.																			
DWG. BY: TL																			
CHK. BY: LFS																			
DRAWING NO.: FL-8845.12																			
SHEET 10 OF 11																			

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
K	#8 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#9 X 2-1/2" PFH WOOD SCREW	STEEL
1	DOOR SKIN (0.022" THK. STEEL, Fy = 35,300 PSI MIN.)	STEEL
2	FOAM CORE: 2.0 lbs/FT DENSITY, Bayer 245	POLYURETHANE
3	HINGE REINFORCEMENT	STEEL
4	LOCK BLOCK SPRUCE-PINE-FIR SG >= 0.42	WOOD
7	MEDIUM REACH COMPRESSION WEATHERSTRIP (TAYLOR DOORS)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (TAYLOR DOORS)	FOAM
9	4" X 4" HINGE (0.097" THK.)	STEEL
10	#10 X 3/4" PFH WOOD SCREW	STEEL
12	#10 X 3" PFH WOOD SCREW	STEEL
19	HEADER JAMB (PINE, SG >= 0.42)	WOOD
20	SIDE JAMB (PINE, SG >= 0.42)	WOOD
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
31	OUTSWING THRESHOLD BY DLP	ALUM./WOOD
32	DOOR BOTTOM SWEEP	VINYL
33	INSWING THRESHOLD BY DLP	ALUM./WOOD
35	GLAZING COMPOUND READI-SEAL BY ODL, POLYMERIC FOAM	P/MERIC FOAM
36	STRUCTURAL SILICONE DOW #995	SILICONE
37	SCREW PLUG	-
40	STEEL EDGE DOOR - SEE PANEL DETAIL SHEET FOR DETAILS	-
41	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-
42	#8 X 1/2" PPH SELF-DRILLING SCREW	STEEL
46	INSWING SIDELITE ADAPTER	PVC
47	2X MULLION REINFORCEMENT SG >= 0.42	WOOD
48	#6 X 3" PFH WOOD SCREW	STEEL

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

TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BILL OF MATERIAL

5

7/06/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

4

7/16/20

UPDATE TO 7th ED (2020)

FBC

LFS

3

7/20/17

UPDATE TO 6TH ED. (2017)

FBC

JK

2

3/9/15

UPDATE TO 5TH ED. (2014)

FBC

JK

1

1/9/12

UPDATE TO 2010 FBC

KV

NO.

DATE

BY

REVISIONS

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: TL

CHK. BY: LFS

DRAWING NO.: FL-8845.12

SHEET 11 OF 11

RW

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