



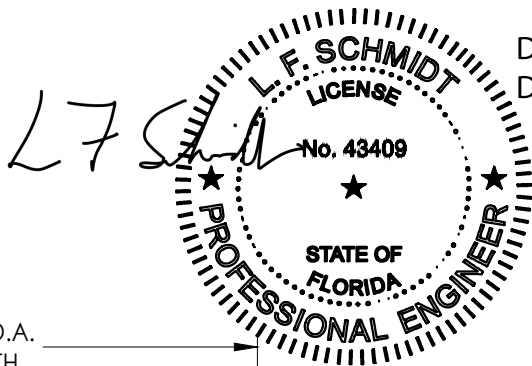
ACHIEVER "ES"
Composite Frame System
with Sidelite(s)
Utilizing a Steel Door Panel
INSWING
"NON-IMPACT"

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
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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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
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4	Sidelite panel details
5	Horizontal cross section
6	Horizontal cross section
7	Vertical cross sections
8	Vertical cross sections
9	Buck and frame anchoring - 2X wood buck construction
10	Frame anchoring - 1X wood buck
11	Buck and frame anchoring - 2X wood buck construction
12	Frame anchoring - 1X wood buck
13	Bill of materials and components



DOOR TYPE	MAX. OVERALL FRAME DIMENSION	OVERALL DOOR PANEL DIMENSION	OVERALL SIDELITE DIMENSION	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
Oval Glazed	64.25" X 82.00"	35.75" X 79.00"	12.13" X 79.00"	+50.0	-55.0
Rectangular Glazed				+50.0	-55.0
Opaque				+60.0	-65.0

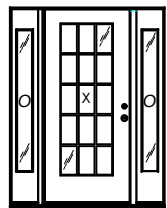


Digitally signed by Lyndon F Schmidt
Date: 2023.07.06 18:17:58 -04'00'

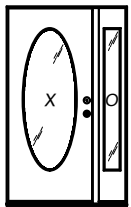
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

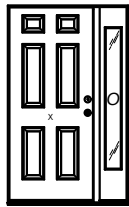
Opaque



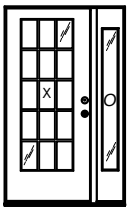
Rectangular Glazed



Oval Glazed



Opaque



Rectangular Glazed

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

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

RCW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico, FL 33593

F.O. Box 230, Valrico, FL 33593
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

4	7/06/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
3	8/11/20	UPDATE TO 7TH ED.	(2020)	FBC	DAC	
2	9/29/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS	
1	3/23/15	UPDATE TO 5TH ED.	(2014)	FBC	JK	
NO.	DATE	REVISIONS				

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

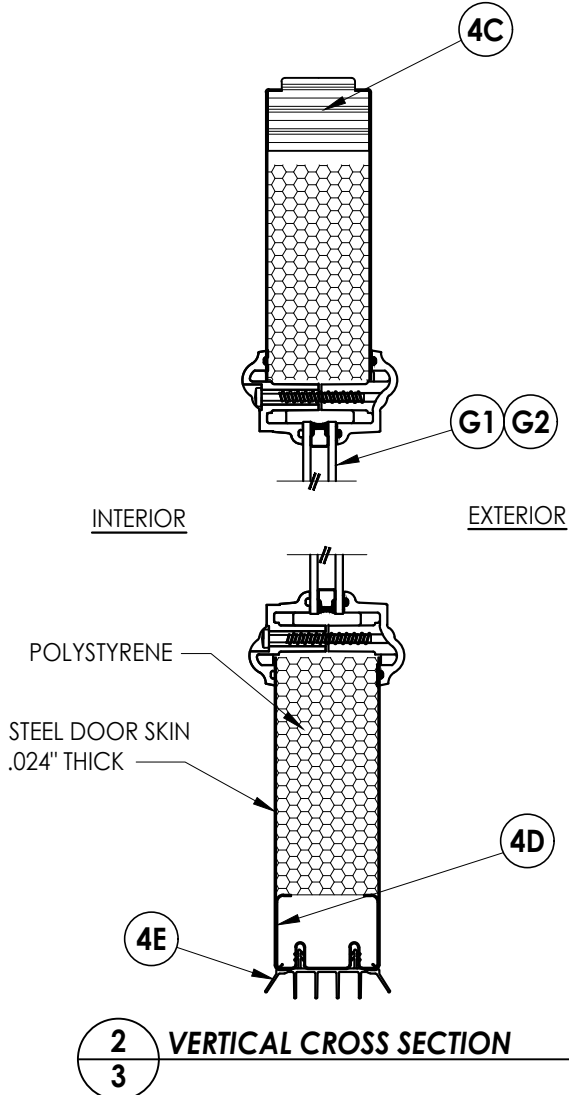
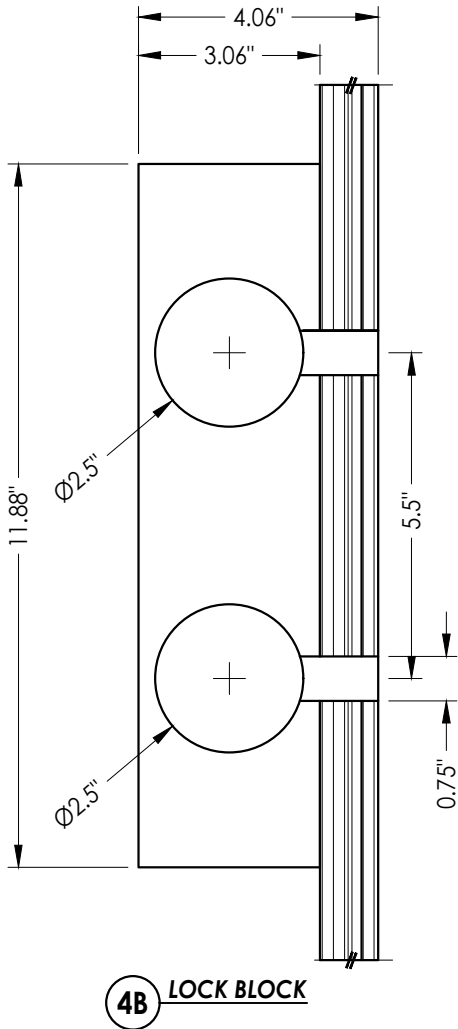
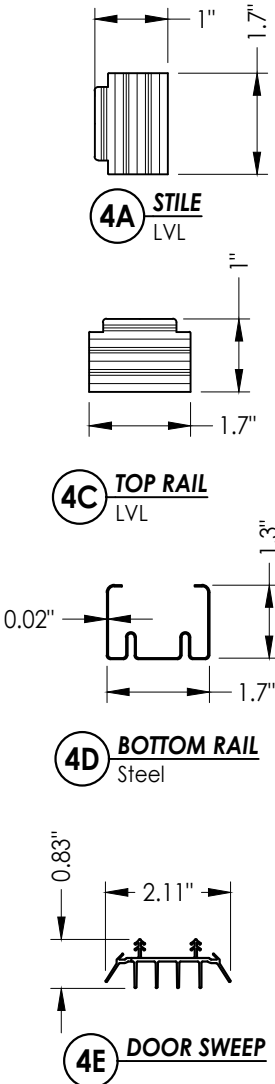
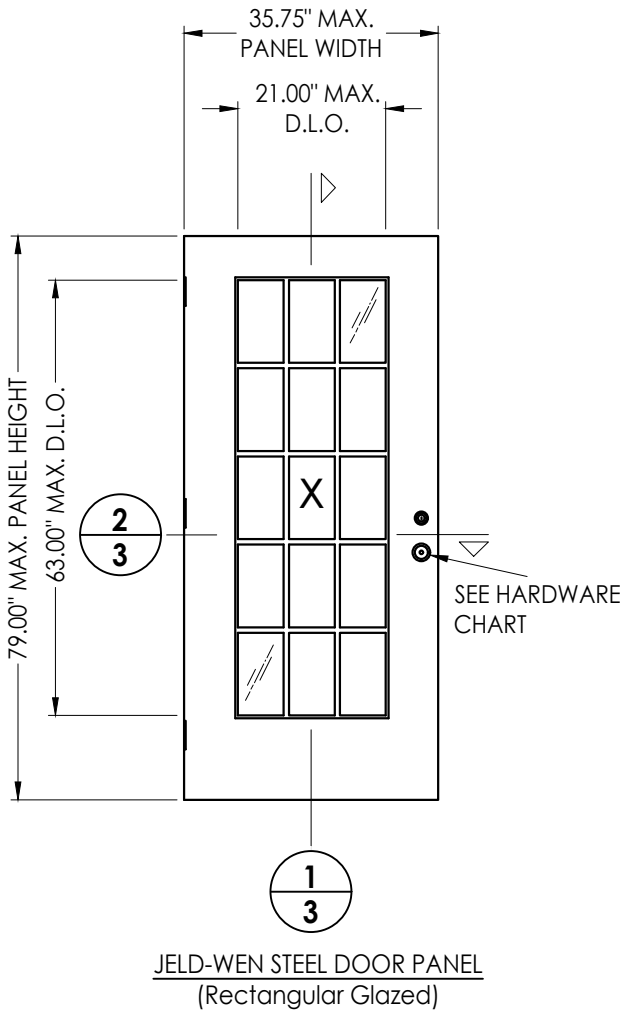
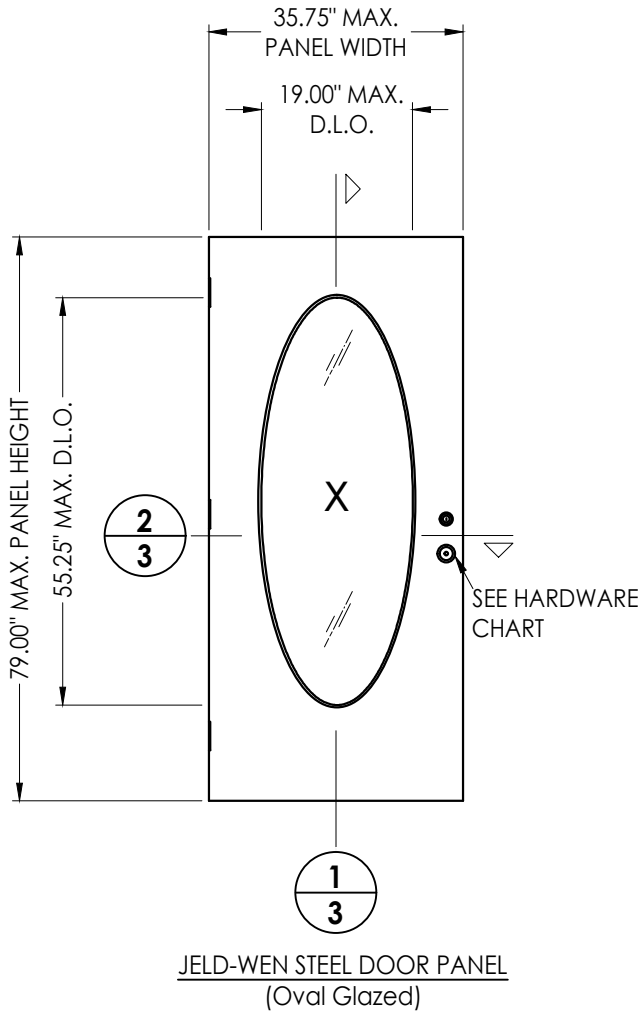
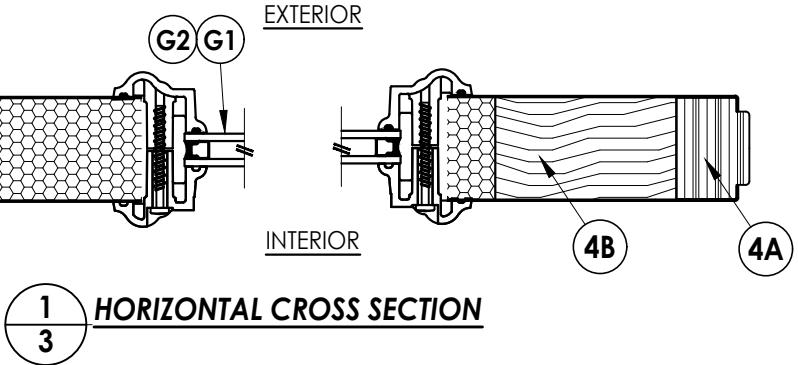
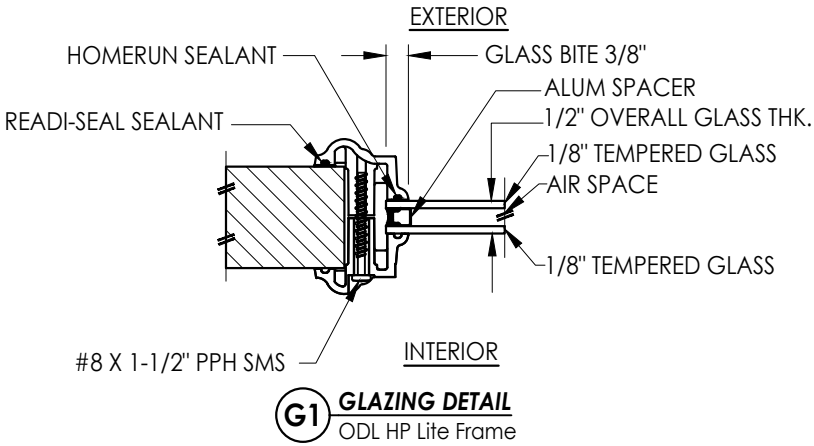
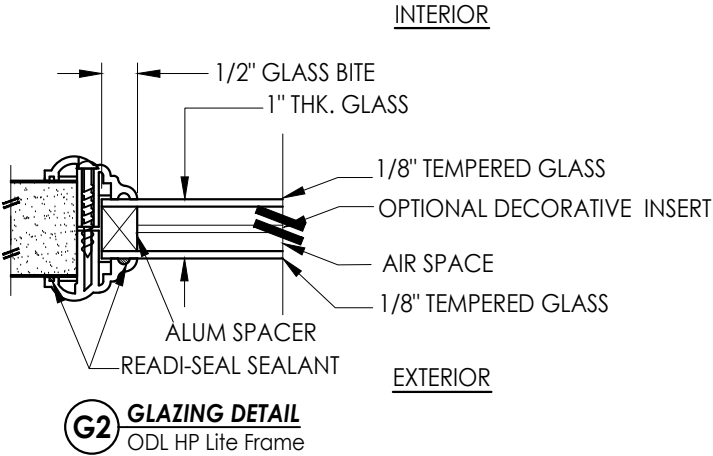
CHK. BY: LFS

DRAWING NO.:

FL-15362.8

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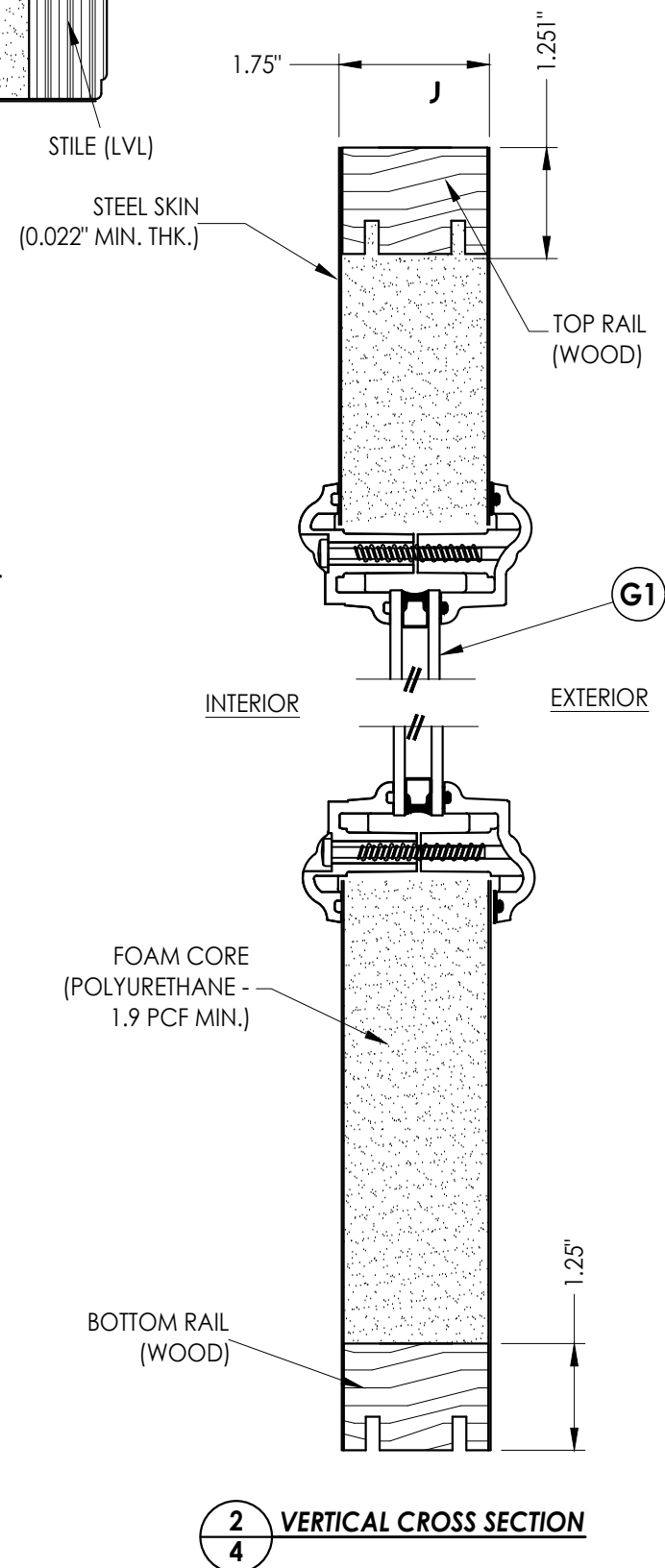
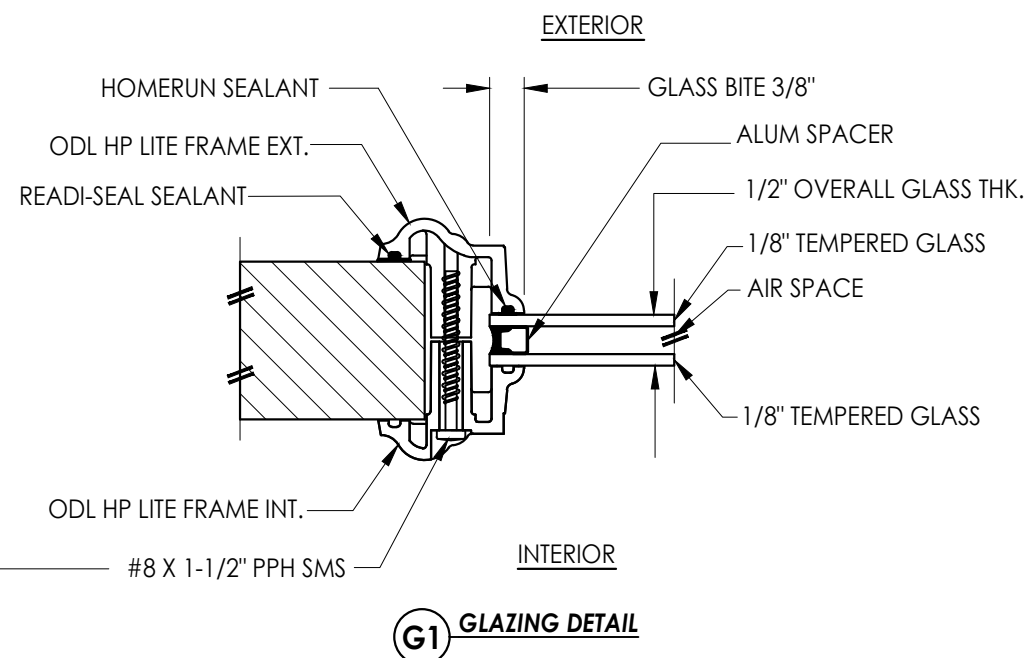
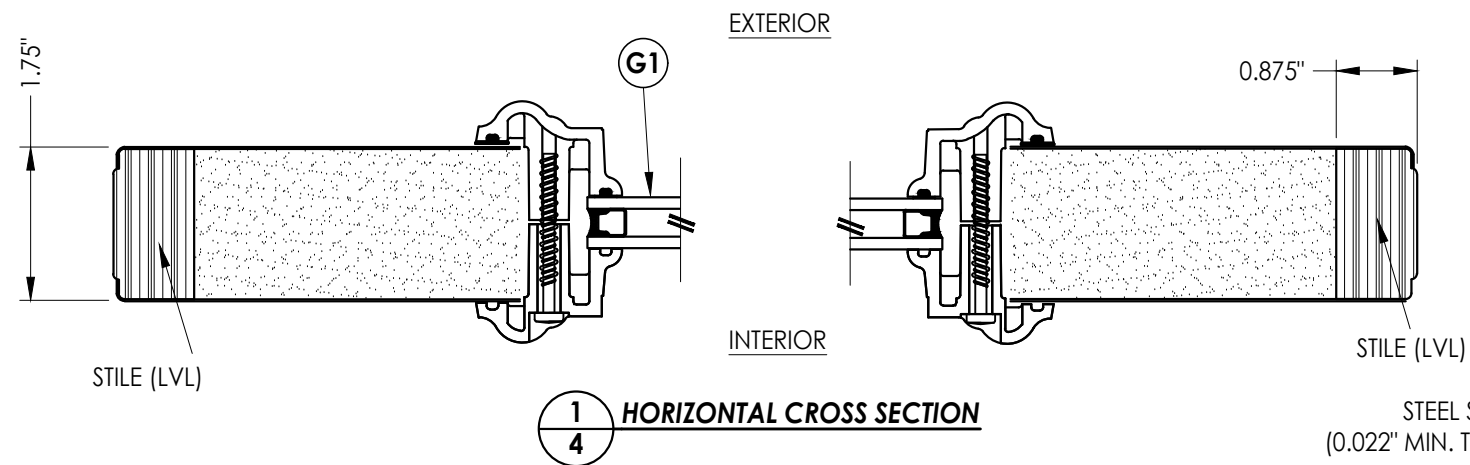
HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	Knob:	FT3 Series
	Deadbolt:	FD2 Series



PRODUCT:		DUNBARTON "ACHIEVER" "ES" INSWING "NON-IMPACT"		PART OR ASSEMBLY: DOOR PANEL DETAILS	
NO.	DATE	REVISIONS	DATE	BY	CHK.
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
DATE: 03/14/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15362.8					
SHEET 3 OF 13					

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



4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC		
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS		
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK		
NO.	DATE					
REVISIONS						

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15362.8

SHEET 4 OF 13

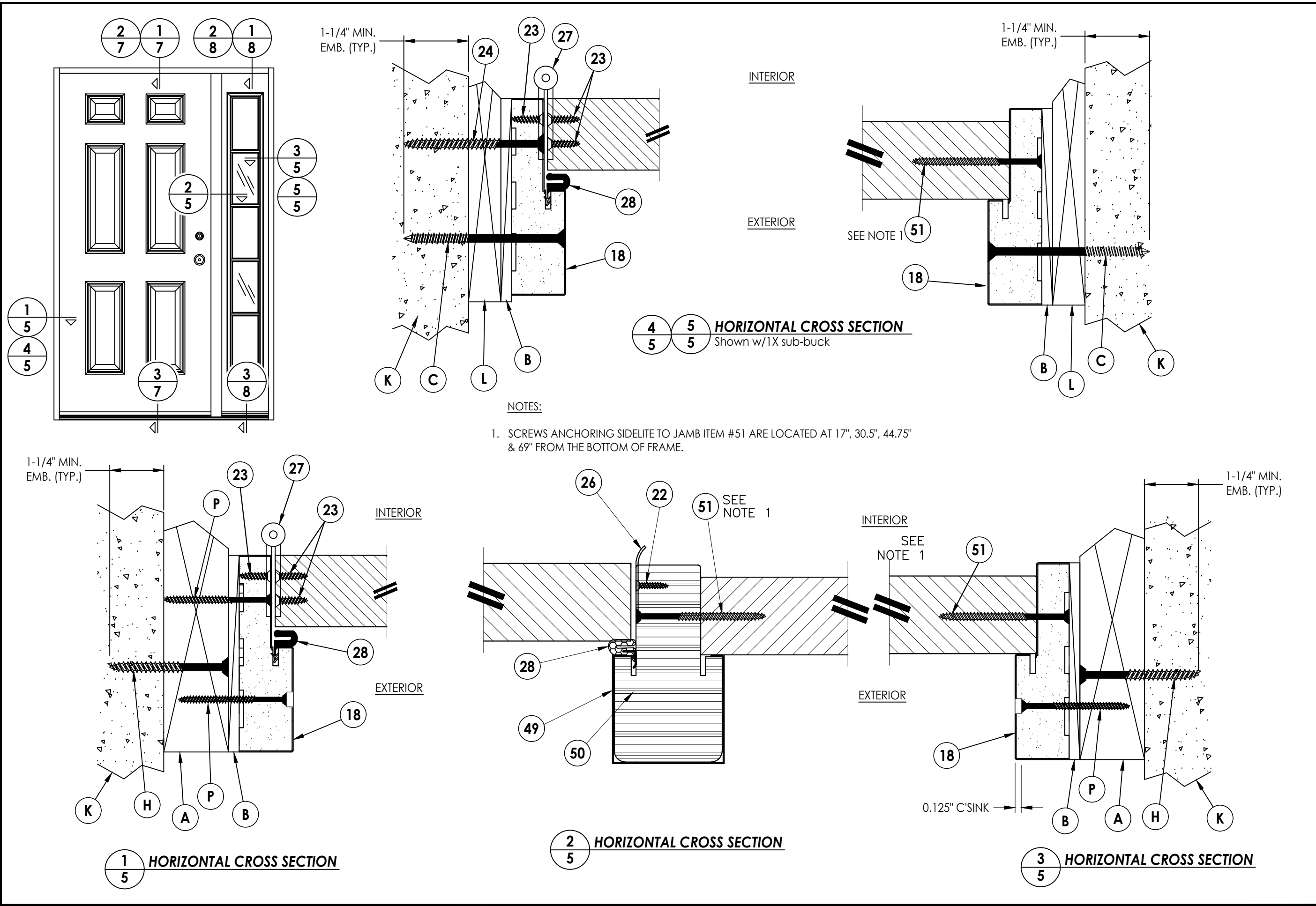
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

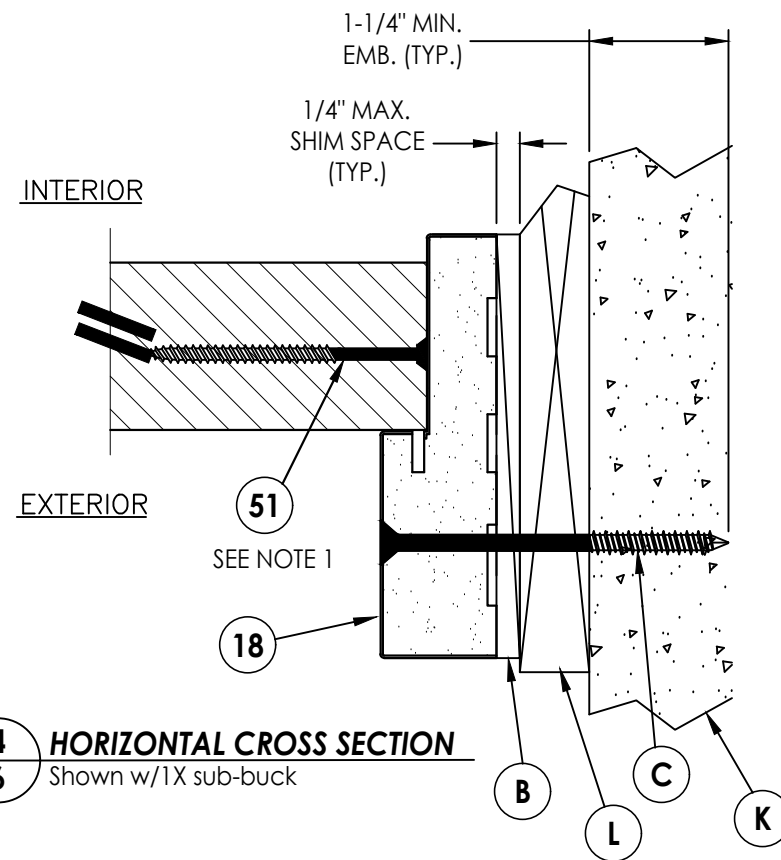
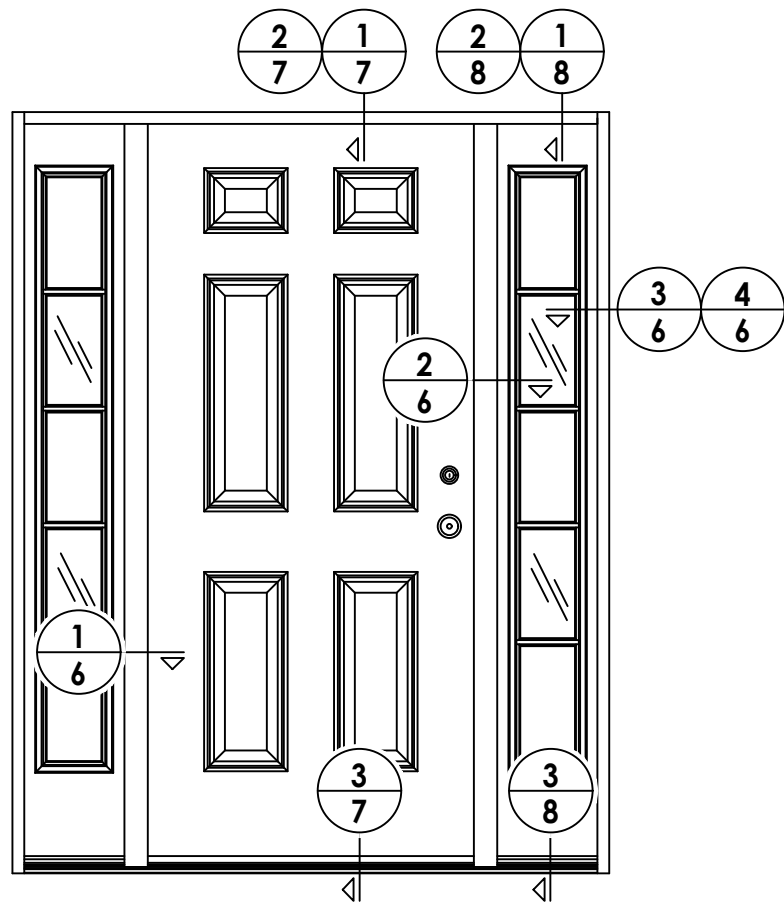
OR ASSEMBLY:
SIDELITE PANEL DETAILS

OR ASSEMBLY:
SIDELITE PANE

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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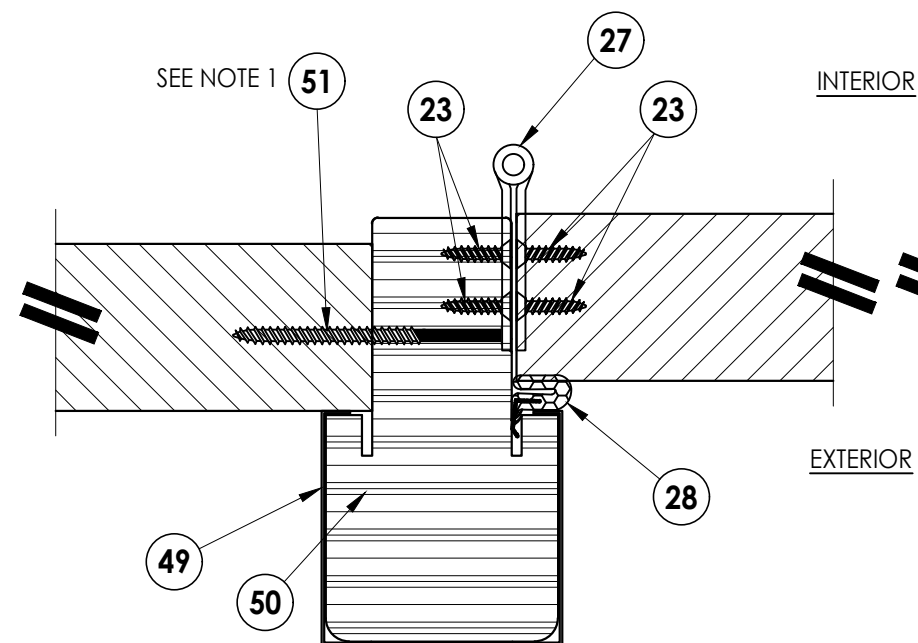
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SHEET 5 OF 13							



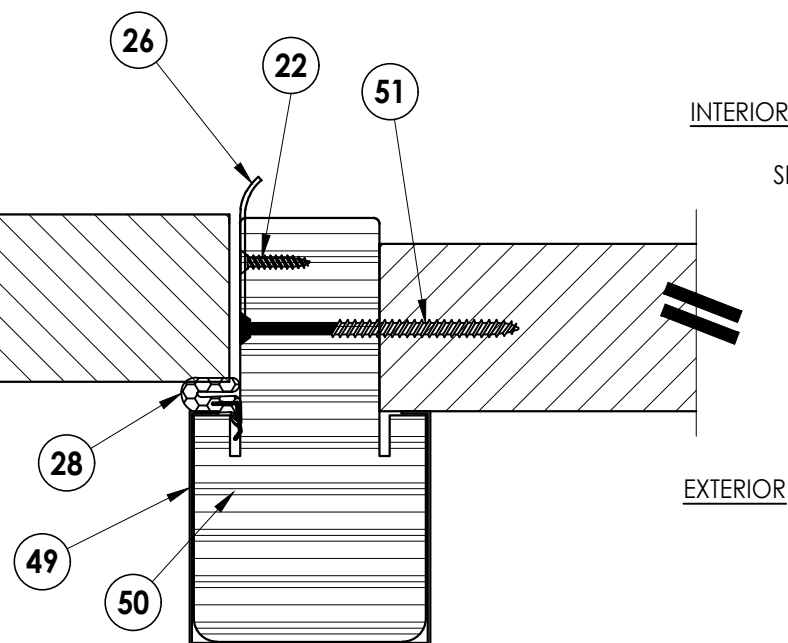
4 HORIZONTAL CROSS SECTION
6 Shown w/1X sub-buck

NOTES:

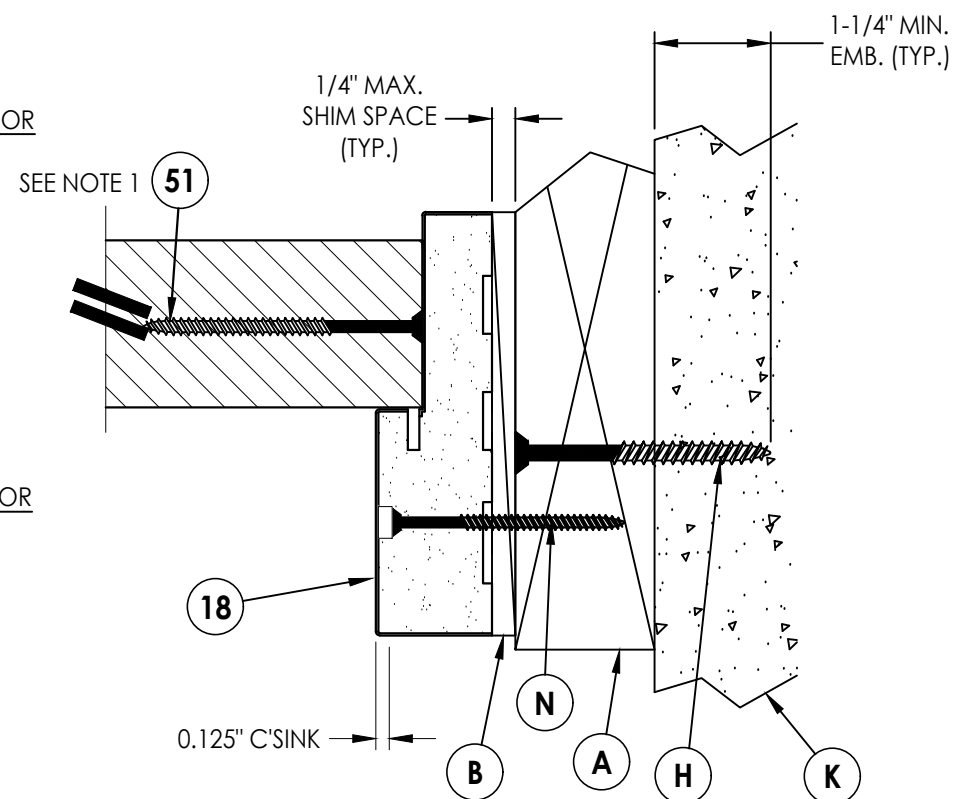
1. SCREWS ANCHORING SIDELITE TO JAMB ITEM #51 ARE LOCATED AT 17", 30.5", 44.75" & 69" FROM THE BOTTOM OF FRAME.



1 6 HORIZONTAL CROSS SECTION



2 **HORIZONTAL CROSS SECTION**



3 6 HORIZONTAL CROSS SECTION

PRODUCT:	DUNBARTON ACHIEVER "ES" INSWING "NON-IMPACT"
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

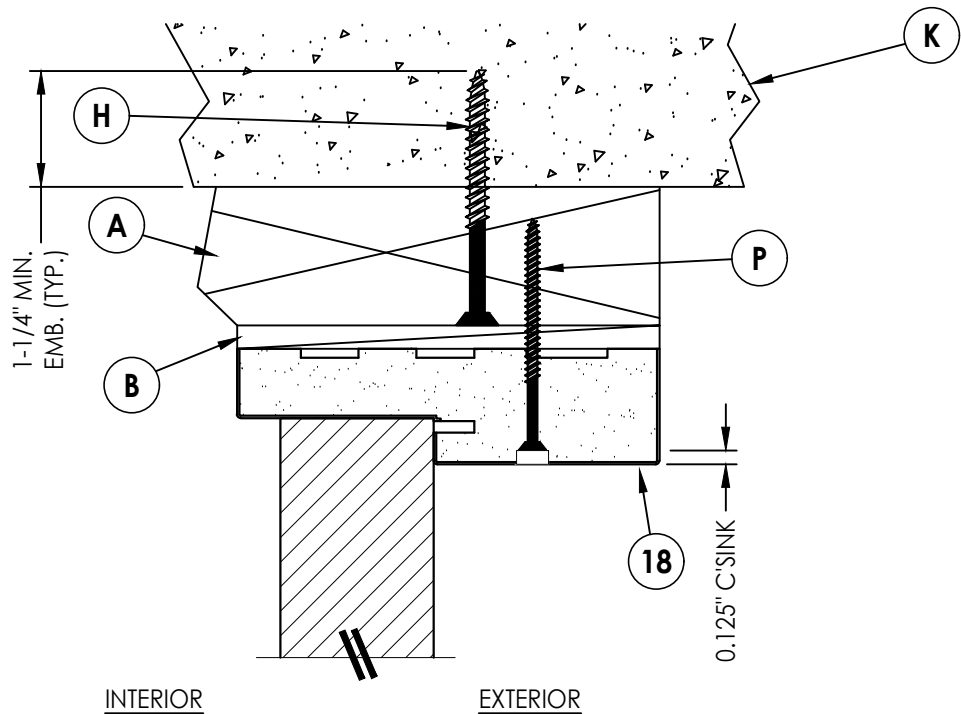
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3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE			BY	
					REVISIONS

DATE:	03/14/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15362.8
SHEET	6 OF 13

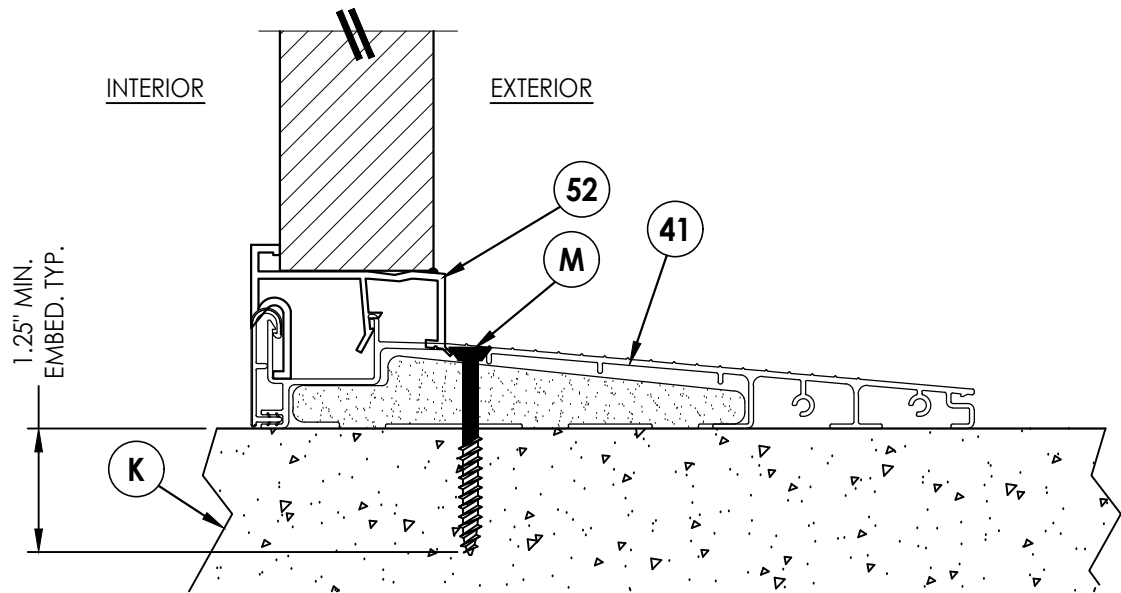
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

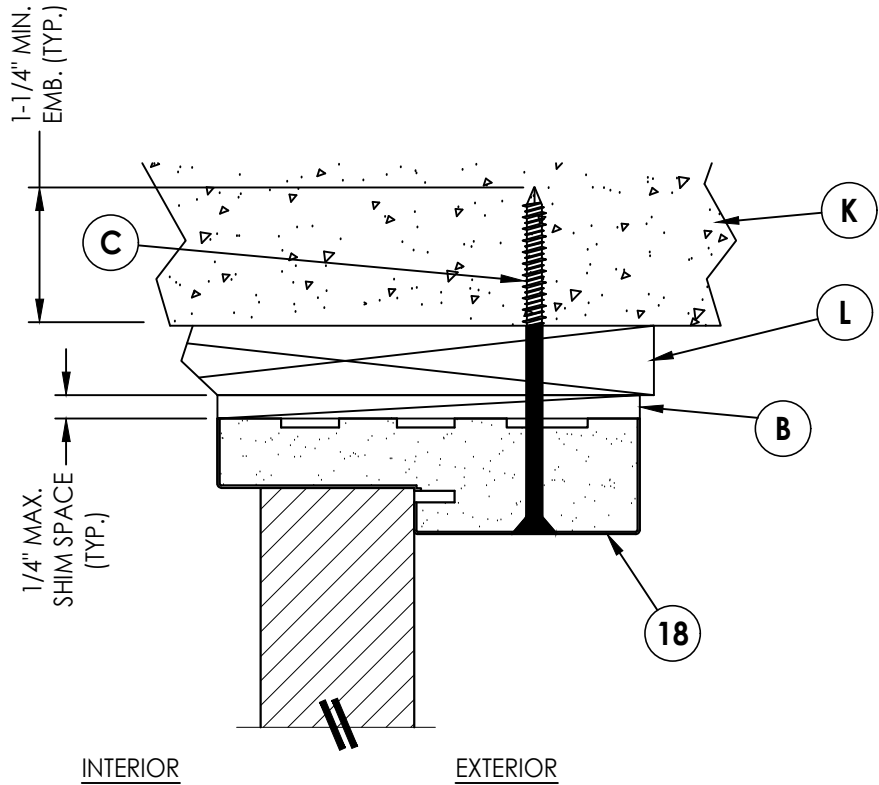
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1
8 VERTICAL CROSS SECTION



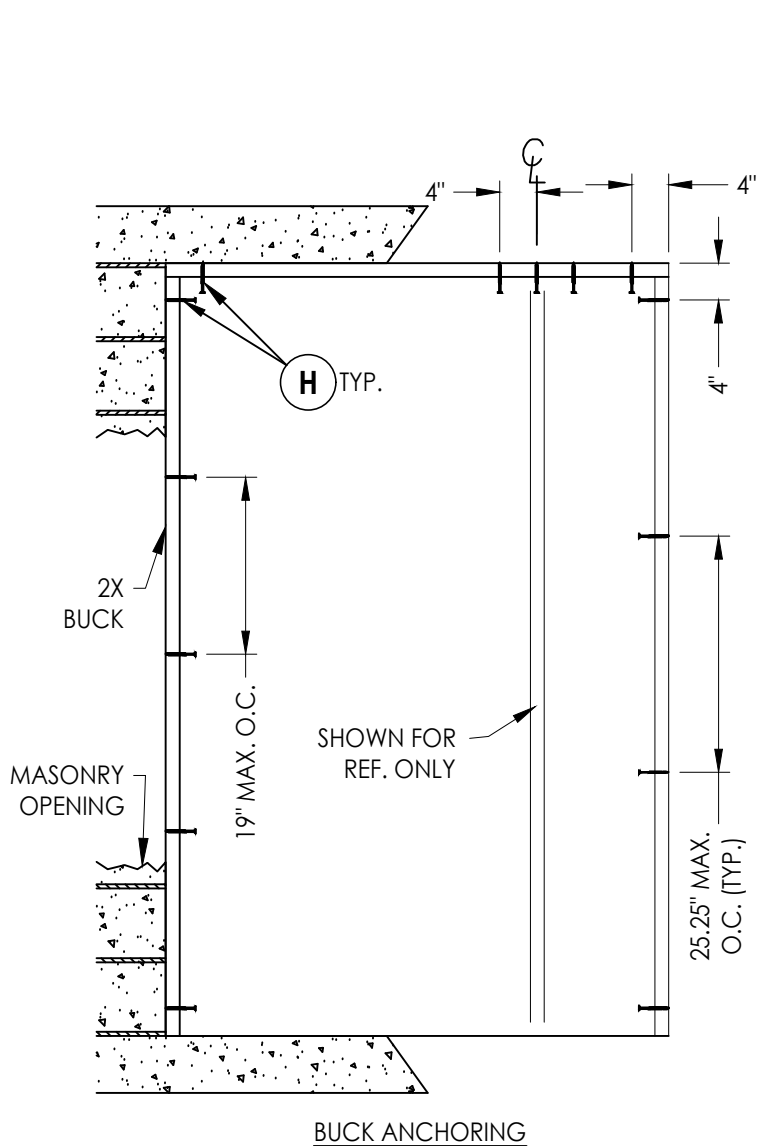
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8 VERTICAL CROSS SECTION



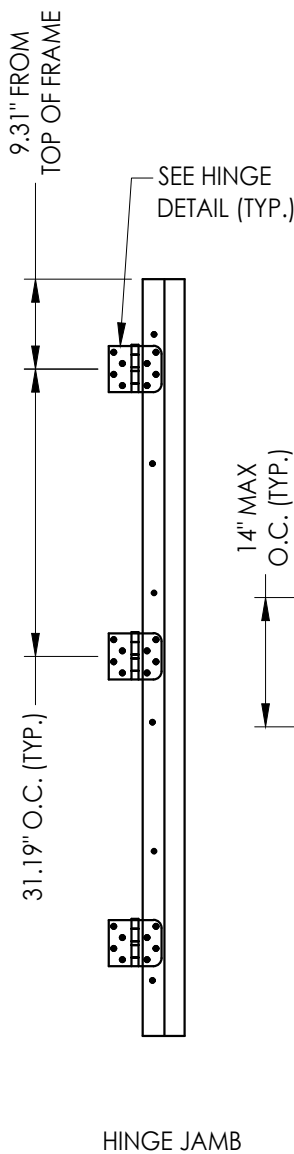
2
8 VERTICAL CROSS SECTION
Shown w/1X sub-buck

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: DUNBARTON ACHIEVER "ES" INSWING "NON-IMPACT"		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (SIDELITE)					
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC			
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK			
NO.	DATE	REVISIONS					
DATE: 03/14/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15362.8							
SHEET 8 OF 13							

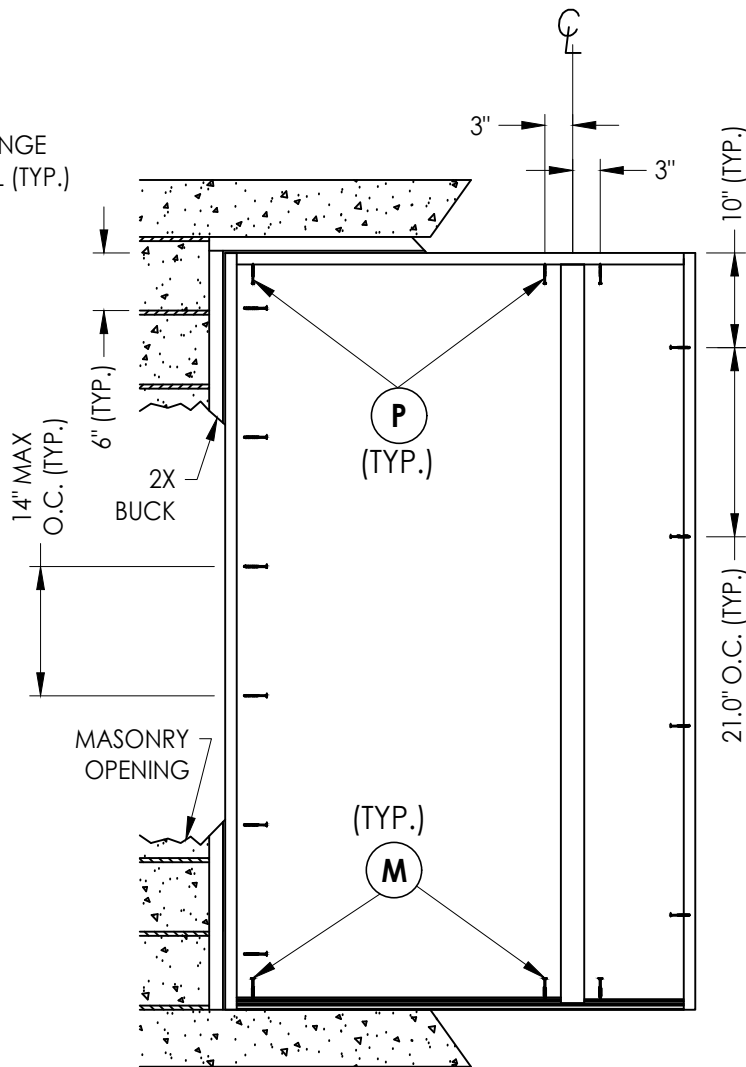
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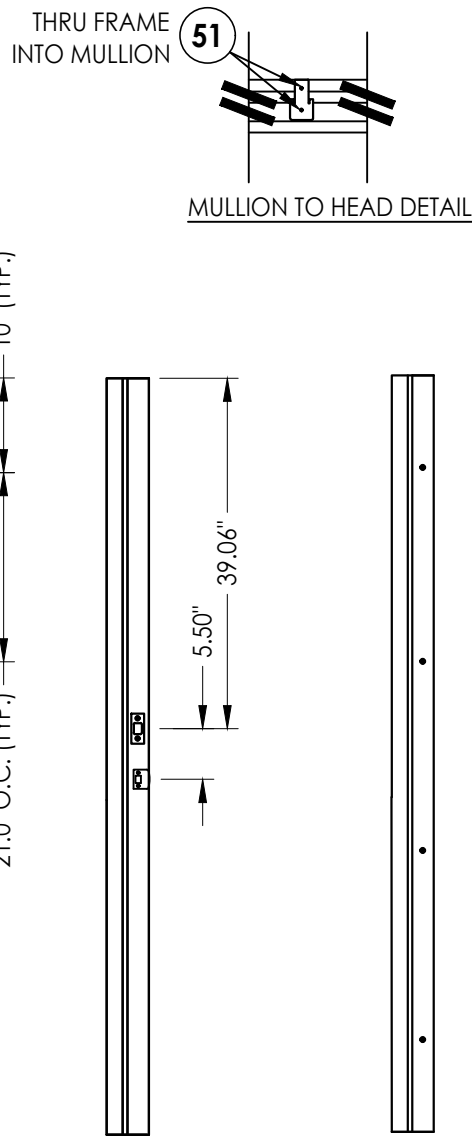
BUCK ANCHORING



HINGE JAMB

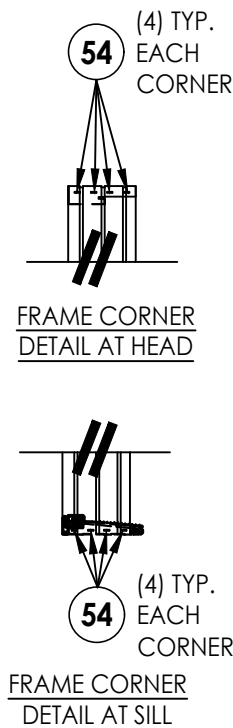


FRAME ANCHORING



STRIKE MULLION

SIDELITE JAMB



FRAME CORNER
DETAIL AT HEAD

FRAME CORNER
DETAIL AT SILL

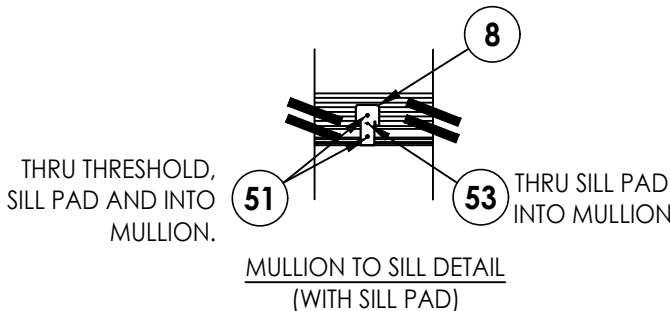
CONCRETE ANCHOR NOTES:

- 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:

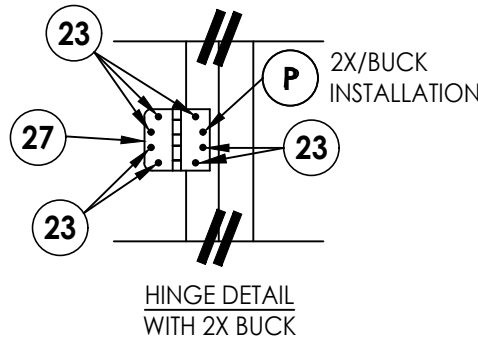
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

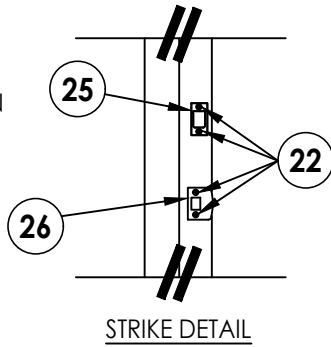
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



MULLION TO SILL DETAIL
(WITH SILL PAD)



HINGE DETAIL
WITH 2X BUCK



STRIKE DETAIL

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

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

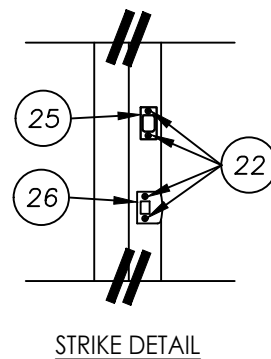
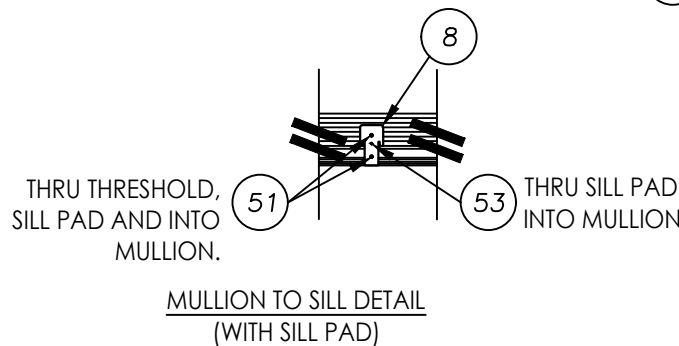
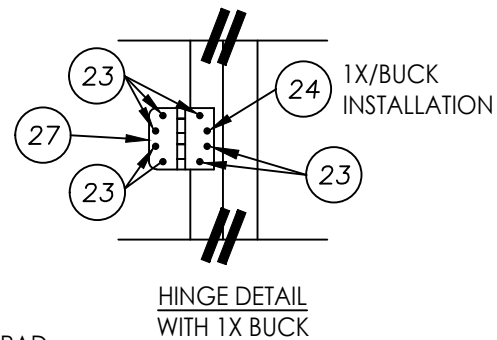
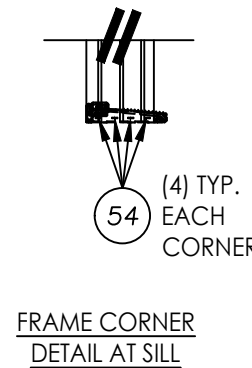
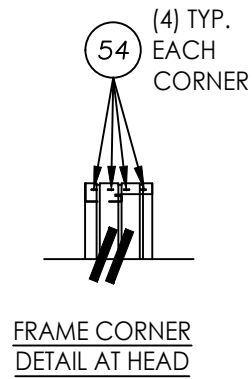
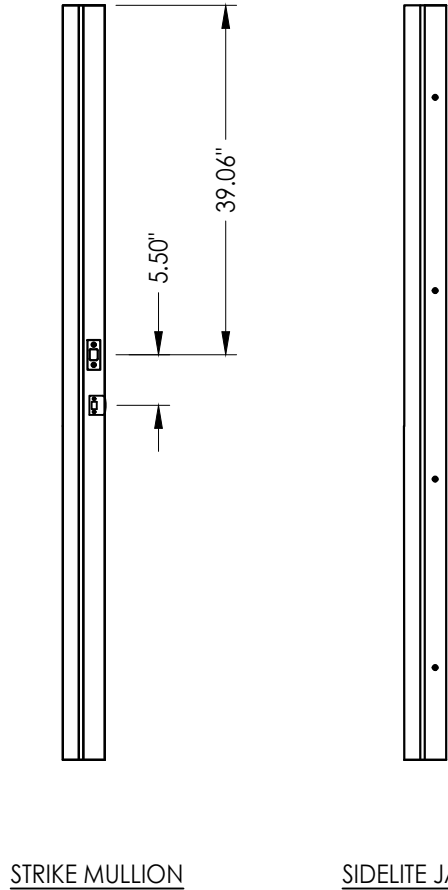
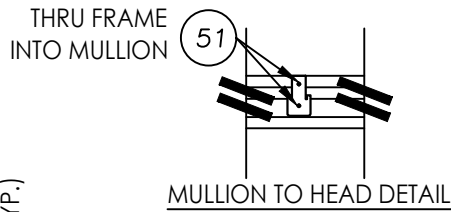
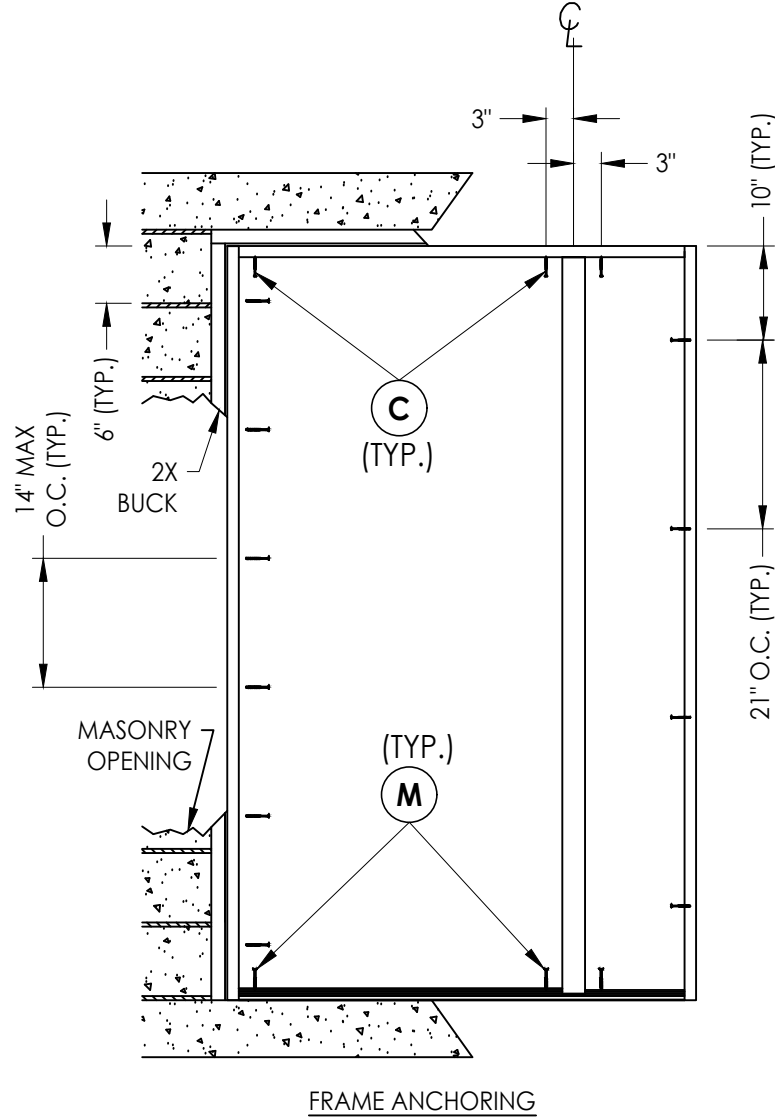
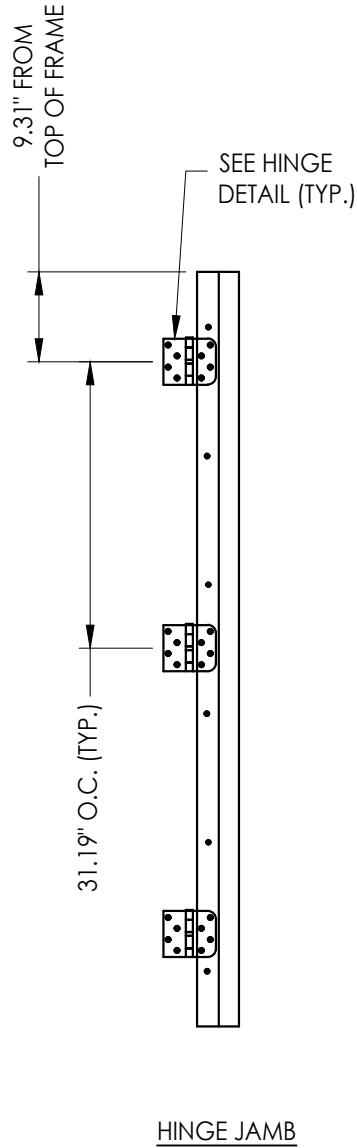
PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
2X WOOD BUCK CONSTRUCTION

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 03/14/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15362.8
SHEET 9 OF 13

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. 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"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	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.

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

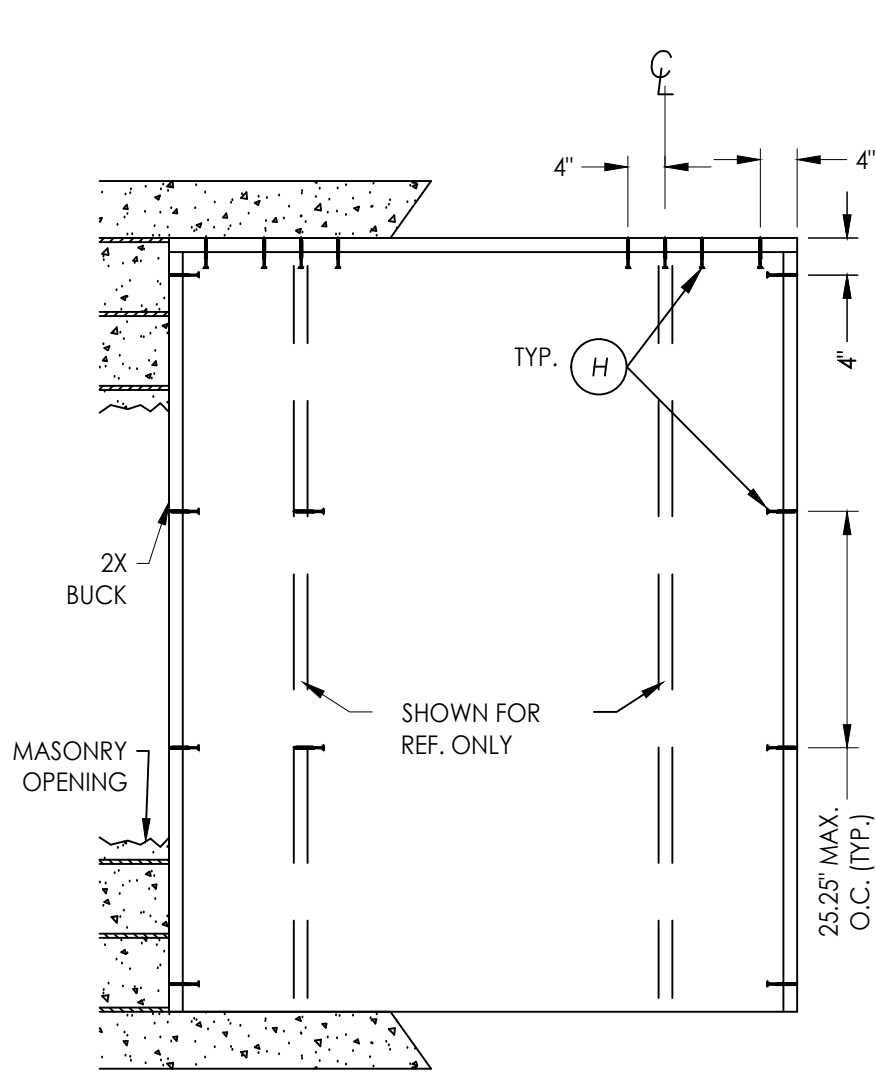
PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

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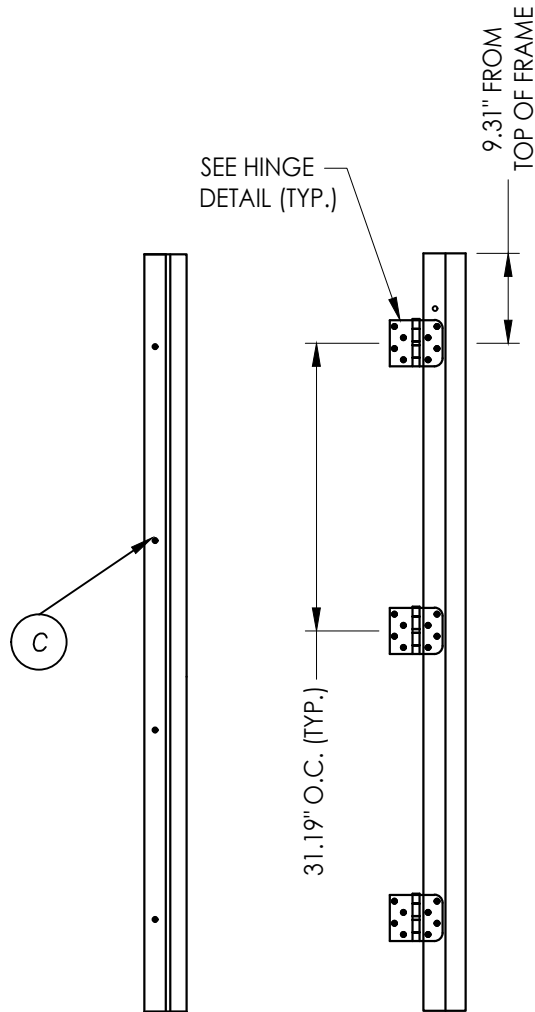
PART OR ASSEMBLY:
FRAME ANCHORING
1X WOOD BUCK

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK
NO.	DATE	BY
DATE:	03/14/12	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-15362.8	
SHEET	10	OF 13

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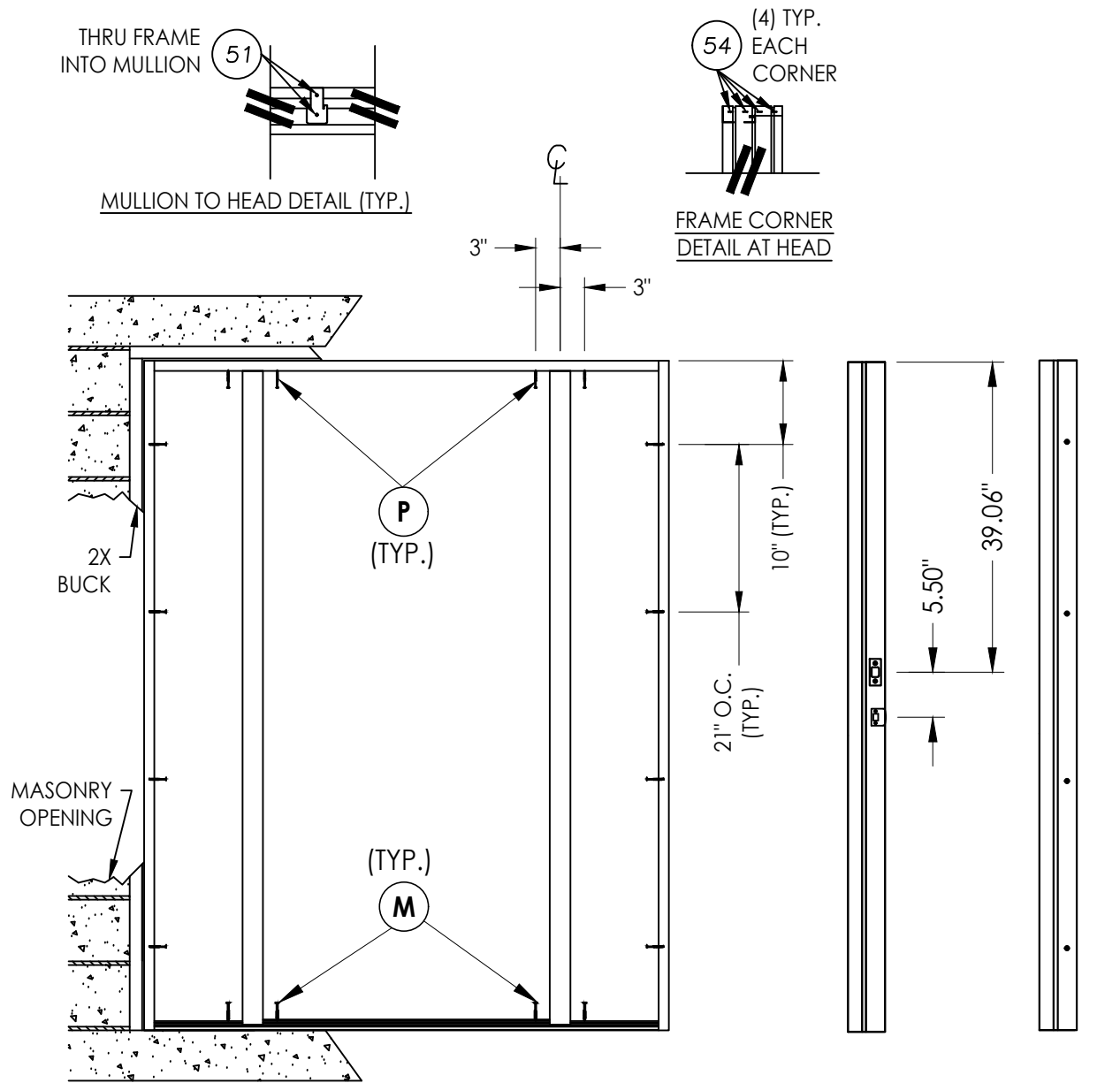


BUCK ANCHORING



SIDELITE JAMB

HINGE MULLION



FRAME ANCHORING

STRIKE MULLION

SIDELITE JAMB

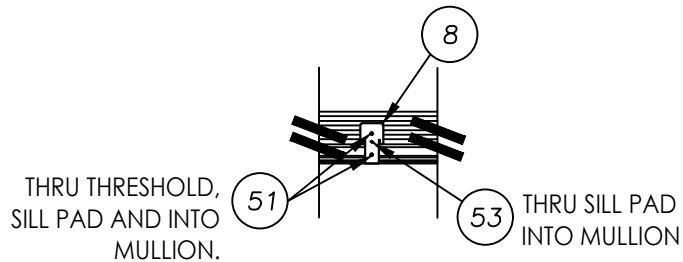
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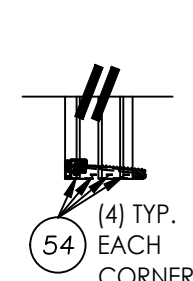
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WOOD SCREW INSTALLATION NOTES:

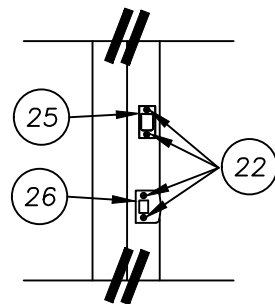
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



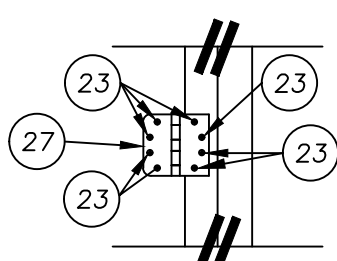
MULLION TO SILL DETAIL (TYP.)
(WITH SILL PAD)



FRAME CORNER
DETAIL AT SILL



STRIKE DETAIL



HINGE DETAIL
WITH 2X BUCK

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

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
2X WOOD BUCK CONSTRUCTION

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

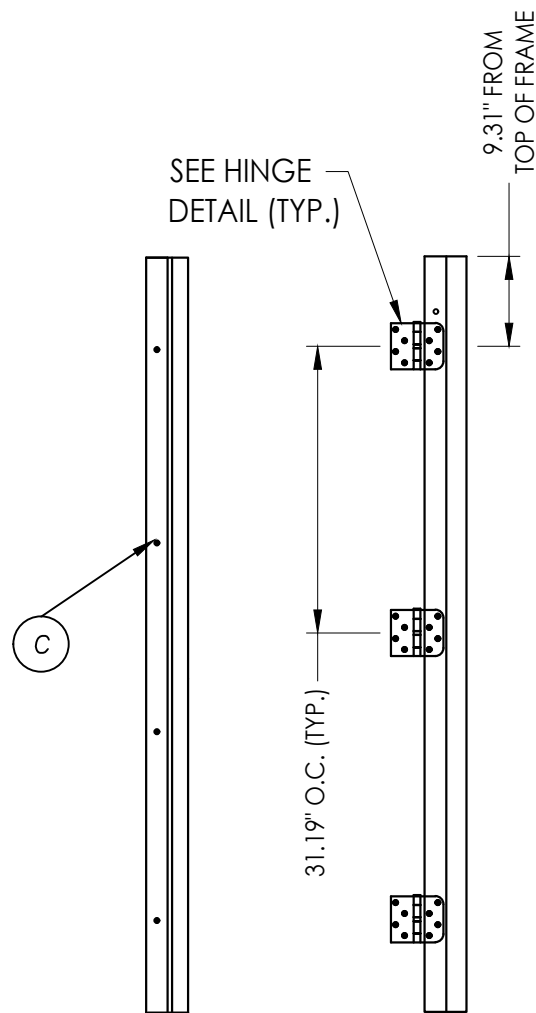
CHK. BY: LFS

DRAWING NO.: FL-15362.8

SHEET 11 OF 13

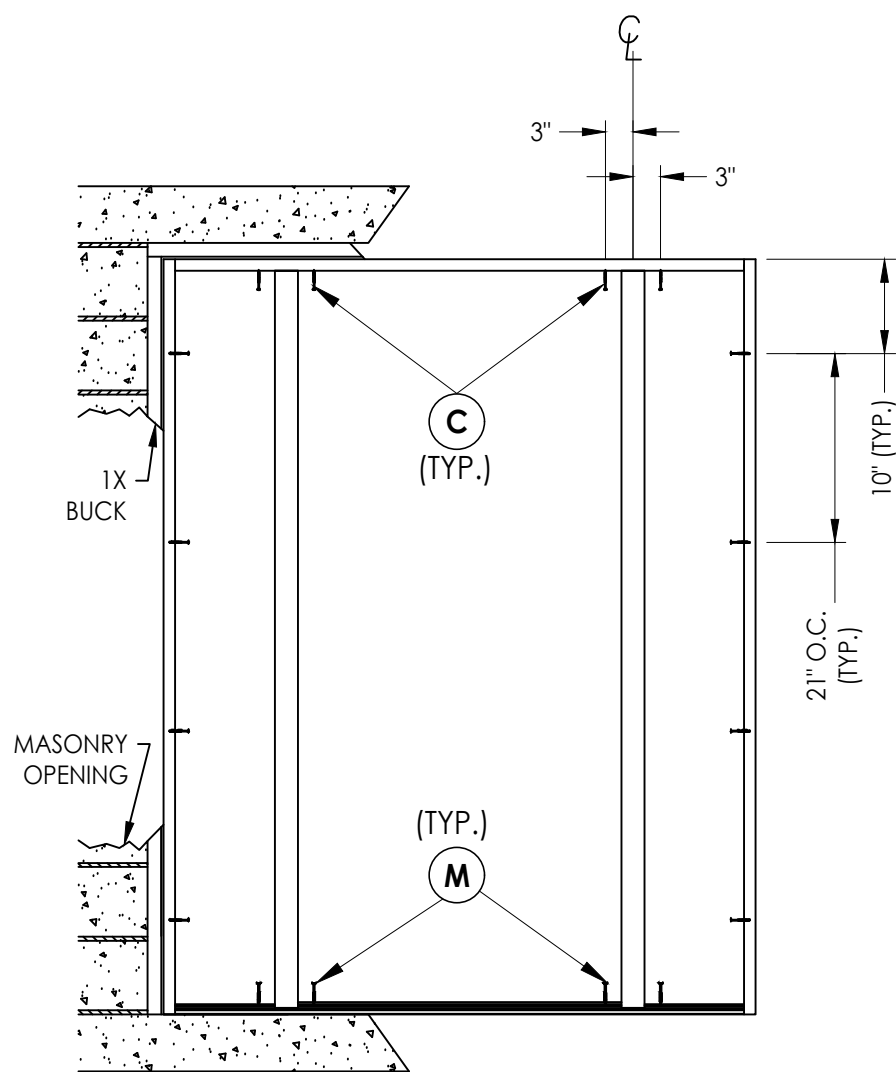
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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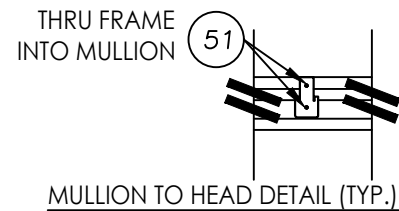


SIDELITE JAMB

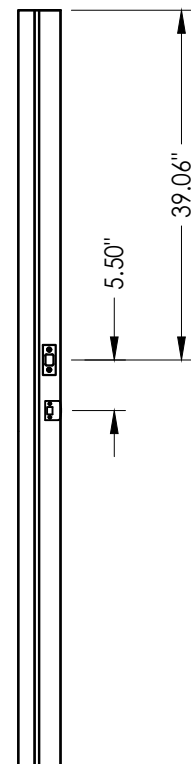
HINGE MULLION



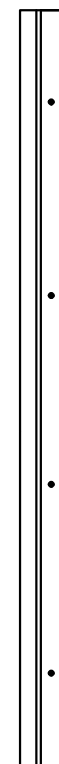
FRAME ANCHORING



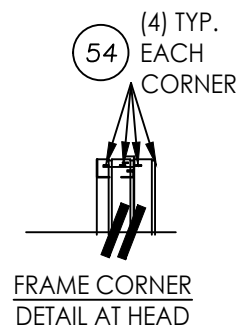
MULLION TO HEAD DETAIL (TYP.)



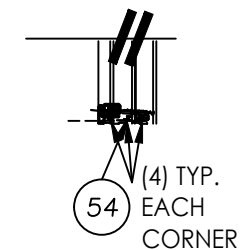
STRIKE MULLION



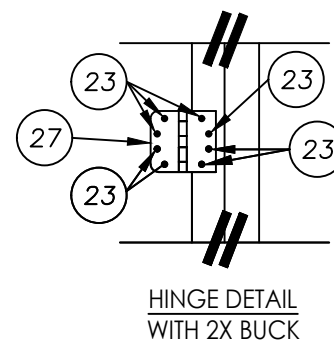
SIDELITE JAMB



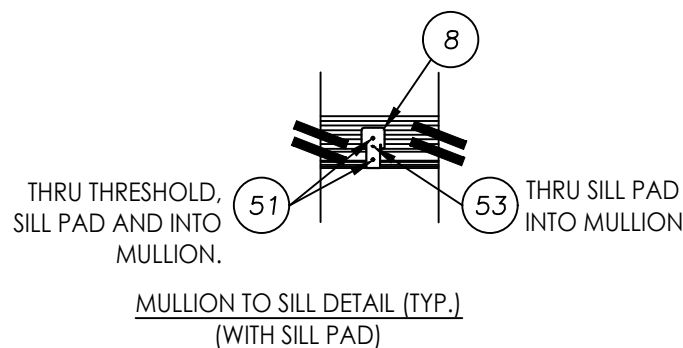
FRAME CORNER
DETAIL AT HEAD



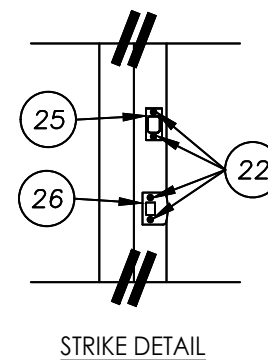
FRAME CORNER
DETAIL AT SILL



HINGE DETAIL
WITH 2X BUCK



MULLION TO SILL DETAIL (TYP.)
(WITH SILL PAD)



STRIKE DETAIL

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"

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:
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P.E. No. 43409

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

PART OR ASSEMBLY:
FRAME ANCHORING
1X WOOD BUCK

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

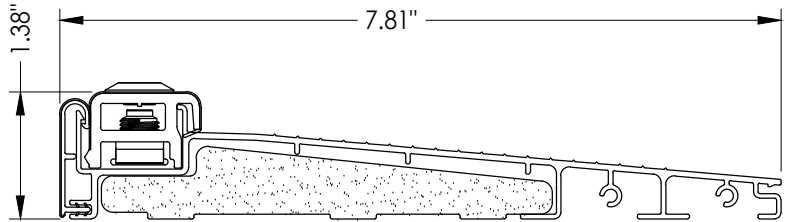
FL-15362.8

SHEET 12 OF 13

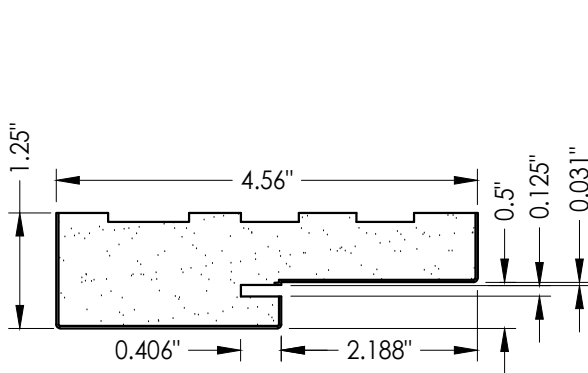
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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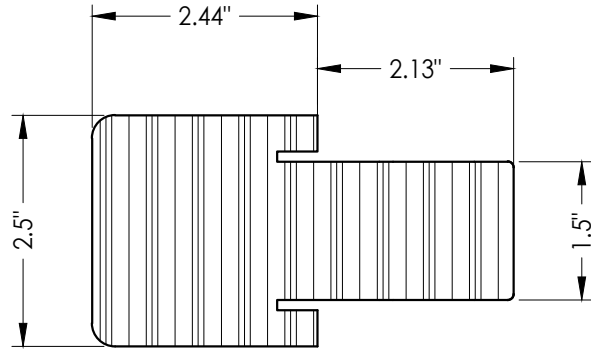
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X BUCK SG >= 0.55	WOOD
B	1/4" MAX. SHIM SPACE	WOOD
C	1/4" X 3-3/4" DeWALT OR ITW PFH CONCRETE SCREWS	STEEL
H	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREWS	STEEL
K	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
L	1X BUCK SG >= .55	WOOD
M	1/4" X 2-1/4" DeWALT OR ITW PFH CONCRETE SCREWS	STEEL
P	#10 x 2-1/2" PFH WOOD SCREWS (1-1/8" MIN. EMBEDMENT)	STEEL
8	MULL PAD 4-9/16 BB ENDURA	PVC
9	3/16" X 3-1/4" ITW PFH CONCRETE SCREWS	STEEL
18	POLY FIBER JAMB (World Wide Door Comp.)	COMP
22	#7 X 3/4" PFH SCREWS	STEEL
23	#9 X 3/4" PFH SCREWS	STEEL
24	1/4" X 3-1/4" ITW PFH CONCRETE SCREWS	STEEL
25	DEADBOLT STRIKE PLATE	STEEL
26	LATCH STRIKE PLATE	STEEL
27	HINGE	STEEL
28	WEATHERSTRIP	FOAM
41	INSWING THRESHOLD (ENDURA)	ALUM./COMP
49	MULLION CAP	STEEL
50	MULLION	LVL
51	#10 X 3" PFH WS	STEEL
52	INSWING SIDELITE SPACER	PVC
53	#9 X 1 1-1/2" PFH WS	STEEL
54	3/8" X 2" X .055" STAPLE	STEEL



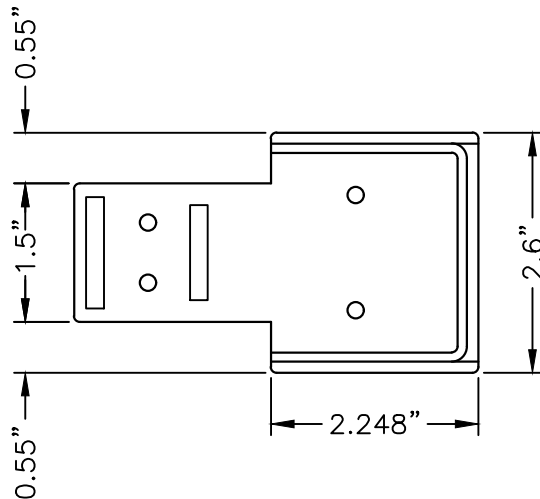
41 **INSWING THRESHOLD**
Endura



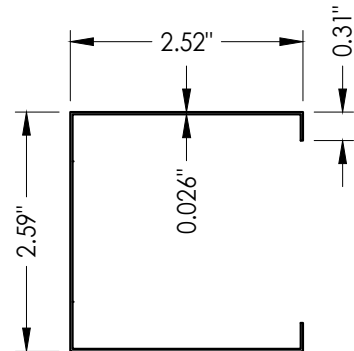
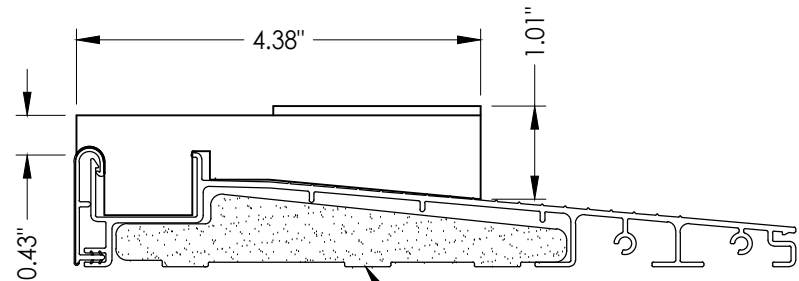
18 **POLY FIBER JAMB**
(World Wide Door Comp.)



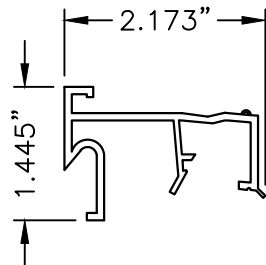
50 **MULLION**



8 **MULL PAD**
Spacer



49 **MULLION CAP**



52 **INSWING SIDELITE**
Spacer

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
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DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15362.8

SHEET 13 OF 13

Documents Prepared By:
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