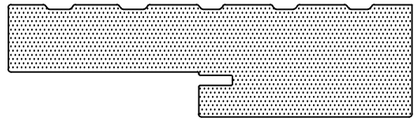


SuperCOMPFrame®
Composite Door Jamb
INSWING / OUTSWING
"IMPACT"

L F Schmidt

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt
Date: 2023.08.21 11:34:30 -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

GENERAL NOTES

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 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 excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.*

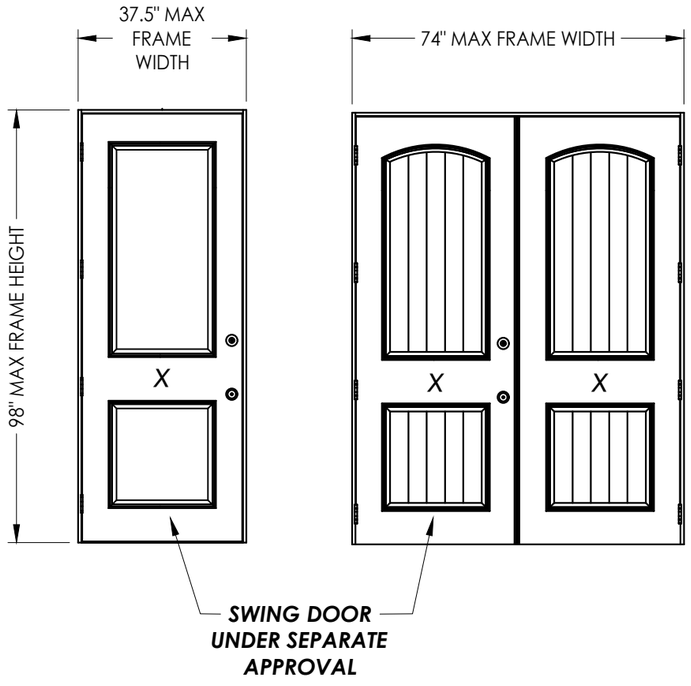
4. *This "IMPACT" door jamb, as a component, is to be used as a substitute to a similar door jamb in an impact approved (complies with FBC Sections 1609.1.2 & R301.2.1.2) door system possessing a current Florida Statewide Product Approval.*

5. *The design pressure of the assembly shall be the lesser of the design pressure for the door jamb shown in this approval or the design pressure of the door assembly used in conjunction with this approval.*

6. *The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of the door assembly approval used in conjunction with this approval.*

7. *For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.*

8. *Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.*



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	+60.0	-65.0	+60.0	-60.0
XX	74.0" x 98.0"	+50.0	-55.0	+50.0	-50.0

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Elevations
3	Horizontal & Vertical Cross Sections (2X Buck)
4	Horizontal & Vertical Cross Sections (1X Buck)
5	Horizontal & Vertical Cross Sections (Direct to Masonry)
6	Buck Anchoring
7	Frame Anchoring & Hardware Details
8	Bill of Materials & Components

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: CTI DOOR COMPONENTS

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

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/05/23
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DWG. BY: RW
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DRAWING NO.: FL-42020.1
SHEET 1 OF 8

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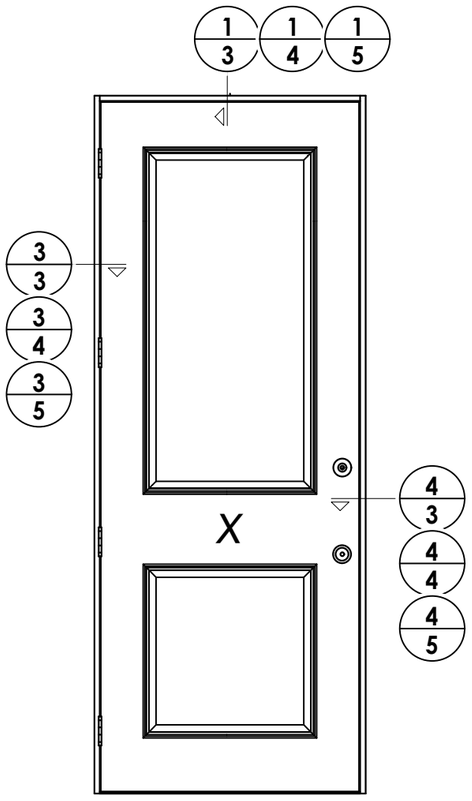
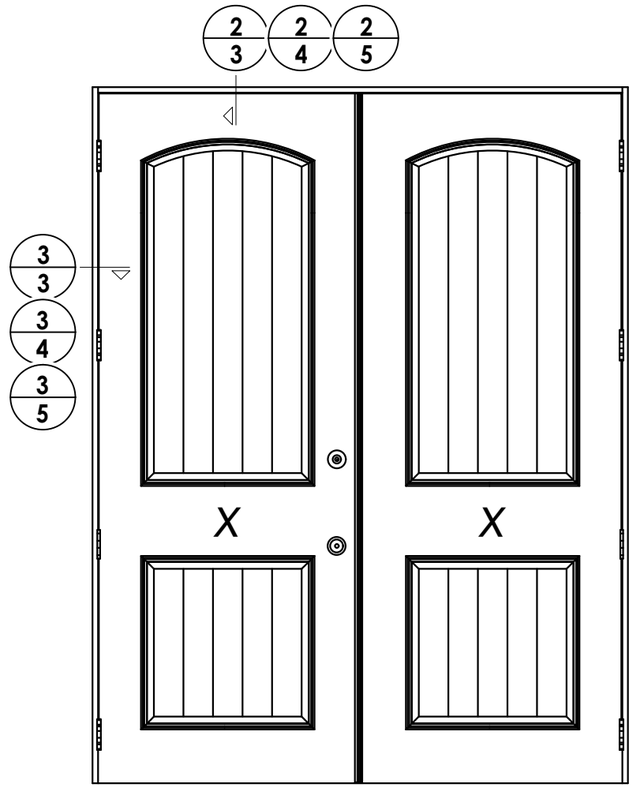


SINGLE DOOR ELEVATION



DOUBLE DOOR ELEVATION

Documents Prepared By:
Lyndon F. Schmidt
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CTI DOOR COMPONENTS

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/05/23
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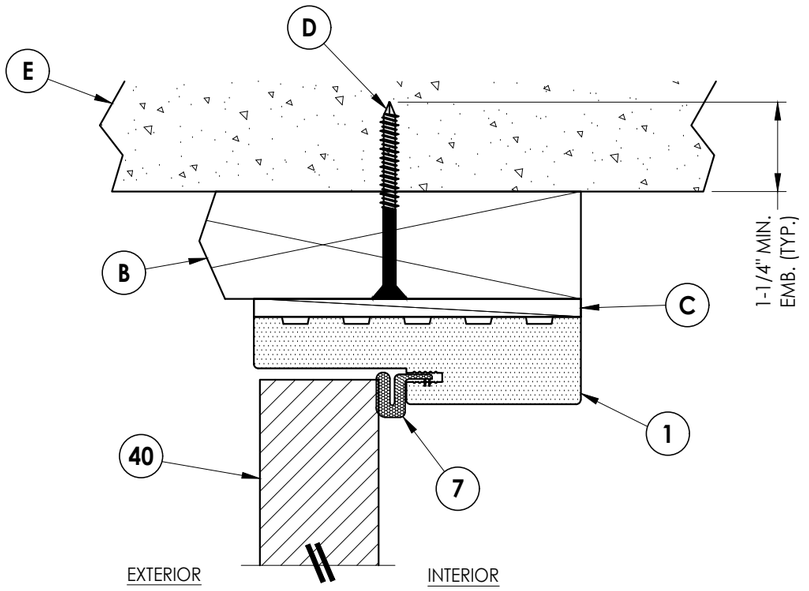
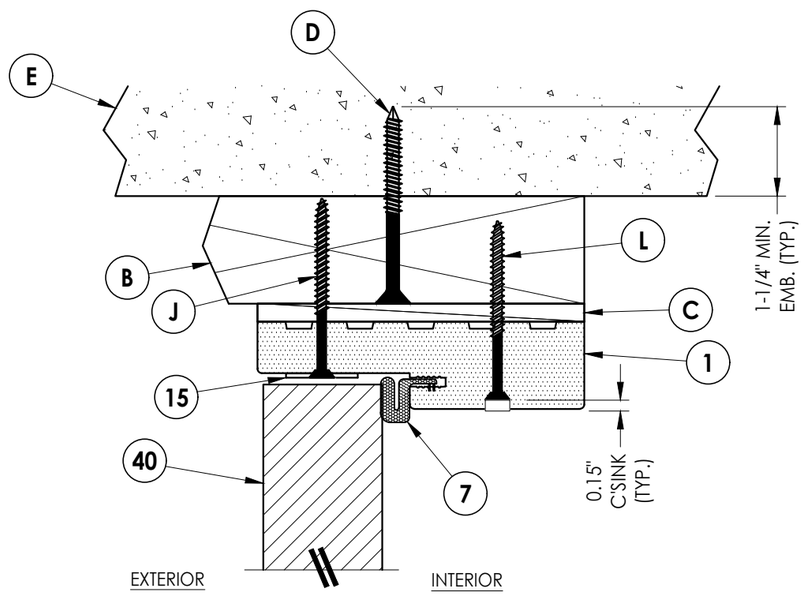
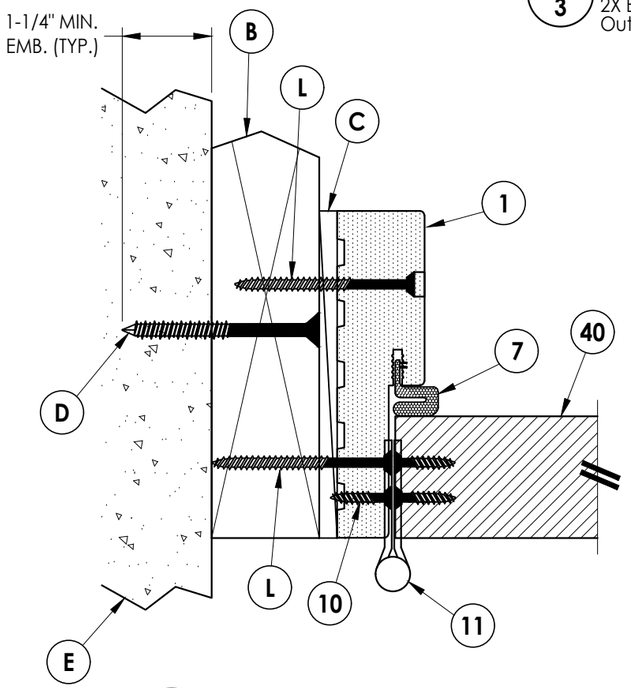


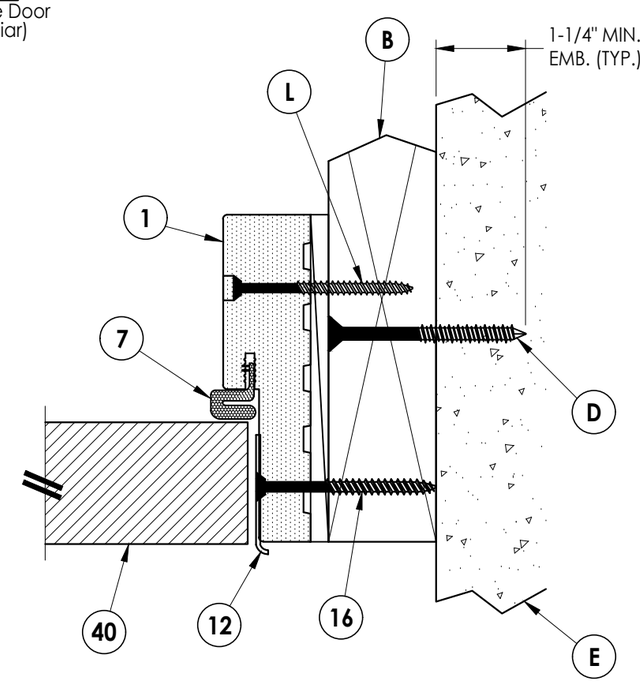
1/3 **VERTICAL CROSS SECTION**
2X Buck Construction - Single Door Only
Outswing Shown (Inswing Similiar)



2/3 **VERTICAL CROSS SECTION**
2X Buck Construction - Double Door
Outswing Shown (Inswing Similiar)



3/3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similiar)



4/3 **HORIZONTAL CROSS SECTION**
2X Buck Construction
Outswing Shown (Inswing Similiar)

INTERIOR

EXTERIOR

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

Documents Prepared By:
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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: CTI DOOR COMPONENTS

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/05/23
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DRAWING NO.: FL-42020.1
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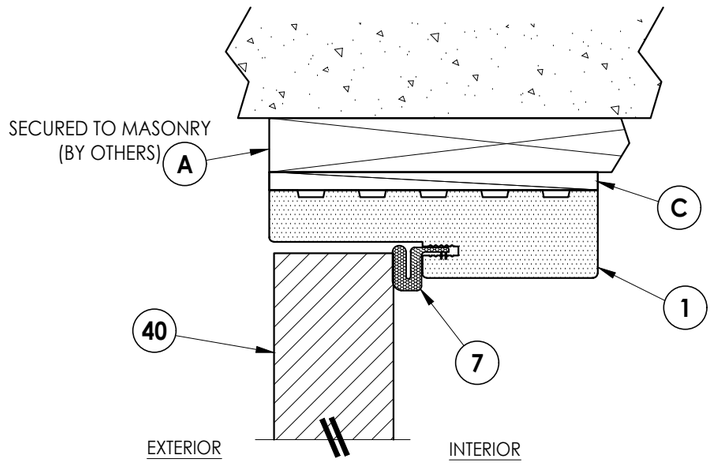
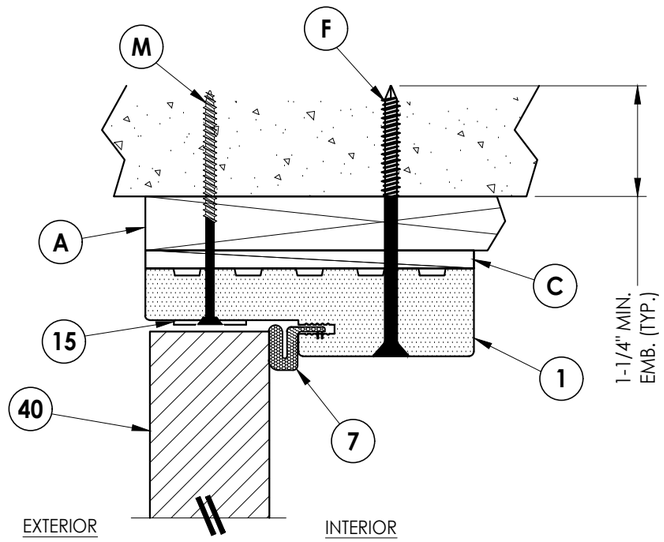
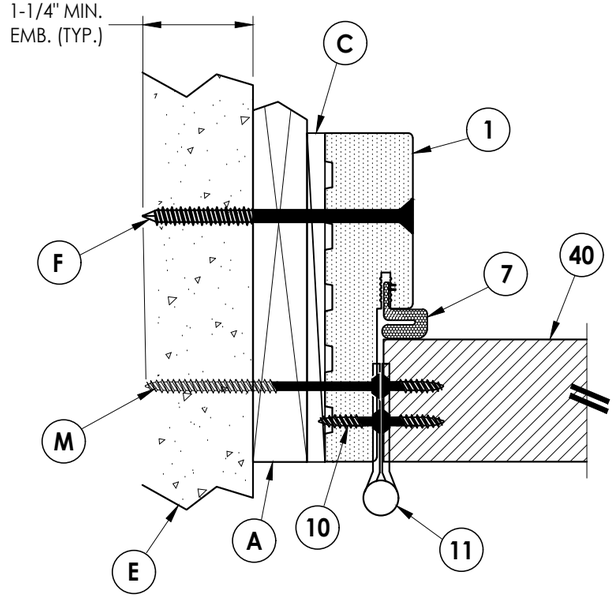


1/4 VERTICAL CROSS SECTION
2X Buck Construction - Single Door Only
Outswing Shown (Inswing Similiar)



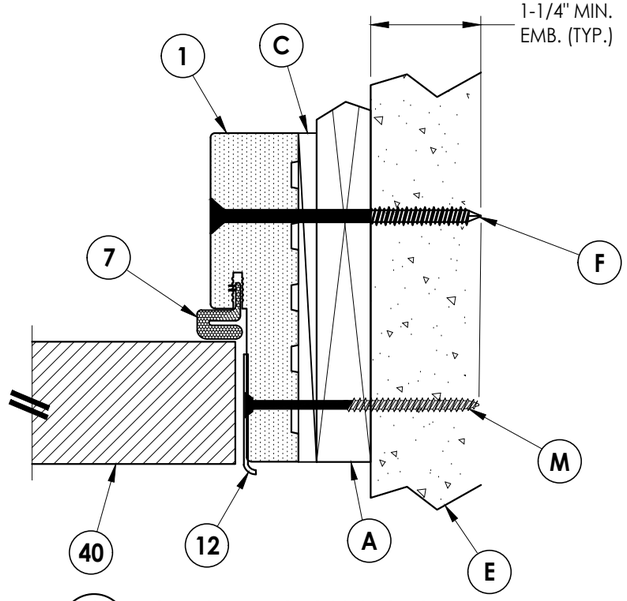
2/4 VERTICAL CROSS SECTION
1X Buck Construction - Double Door
Outswing Shown (Inswing Similiar)



3/4 HORIZONTAL CROSS SECTION
1X Buck Construction
Outswing Shown (Inswing Similiar)

INTERIOR

EXTERIOR



4/4 HORIZONTAL CROSS SECTION
1X Buck Construction
Outswing Shown (Inswing Similiar)

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CTI DOOR COMPONENTS

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

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DRAWING NO.: FL-42020.1
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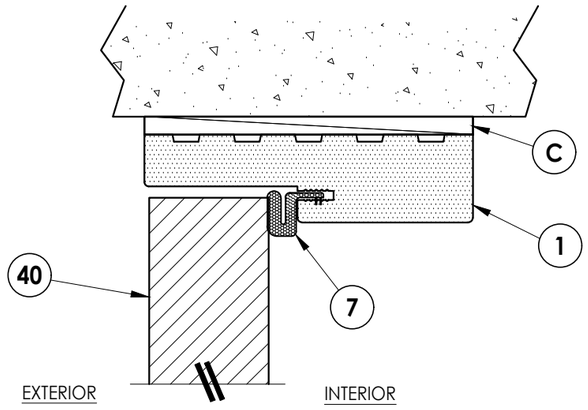
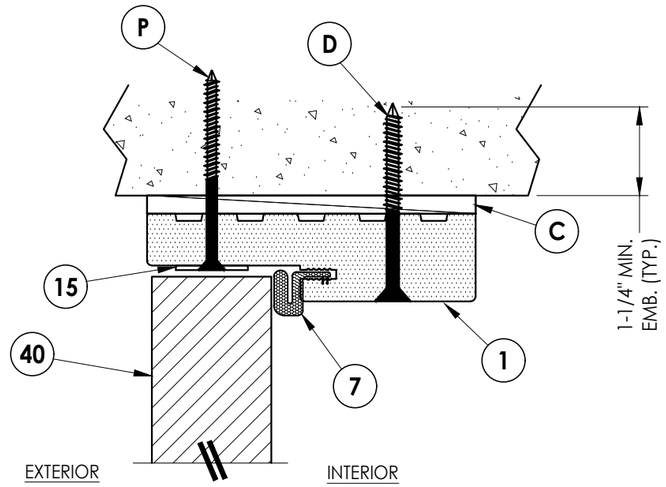
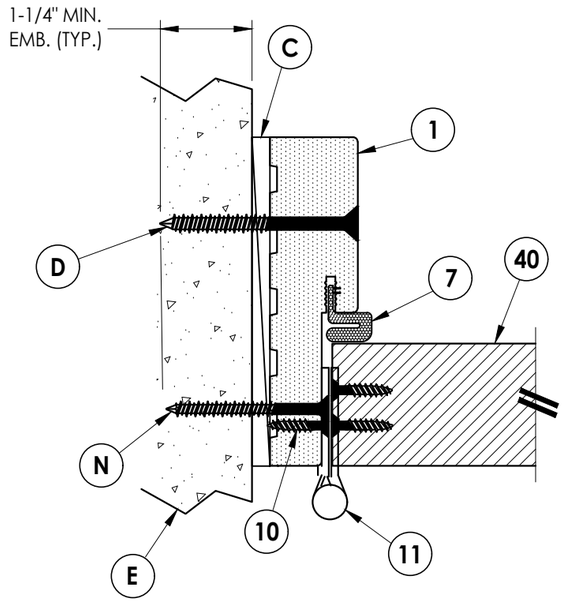


1/5 **VERTICAL CROSS SECTION**
Direct to Masonry - Single Door Only
Outswing Shown (Inswing Similiar)



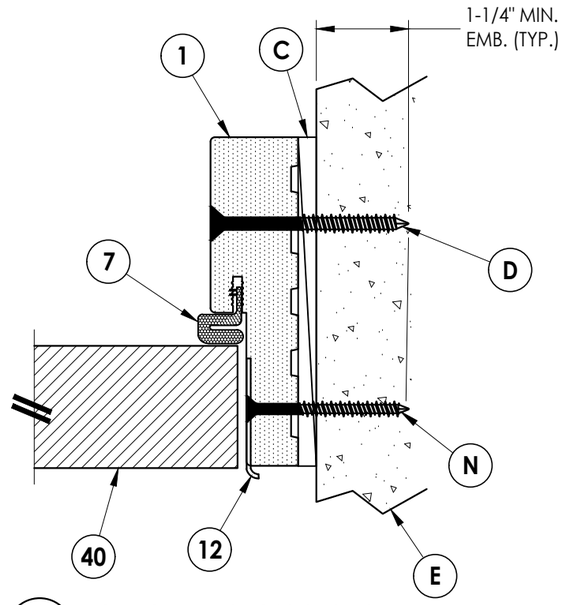
2/5 **VERTICAL CROSS SECTION**
Direct to Masonry - Double Door
Outswing Shown (Inswing Similiar)



3/5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similiar)

INTERIOR

EXTERIOR



4/5 **HORIZONTAL CROSS SECTION**
Direct to Masonry
Outswing Shown (Inswing Similiar)

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

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: CTI DOOR COMPONENTS

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/05/23
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DRAWING NO.: FL-42020.1
SHEET 5 OF 8

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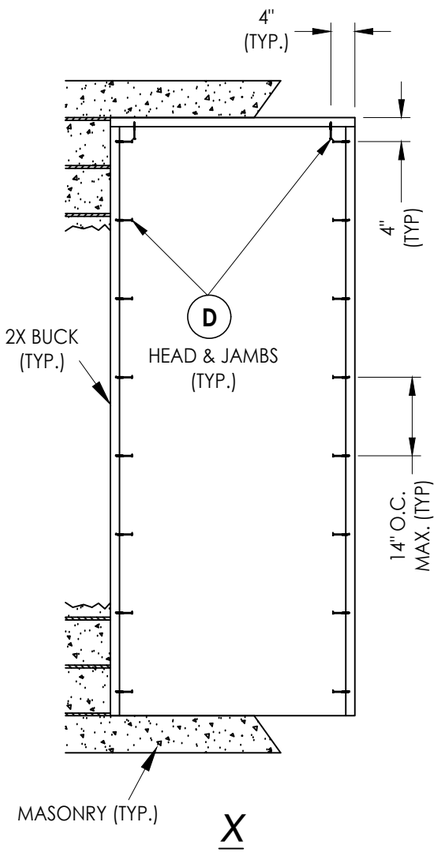

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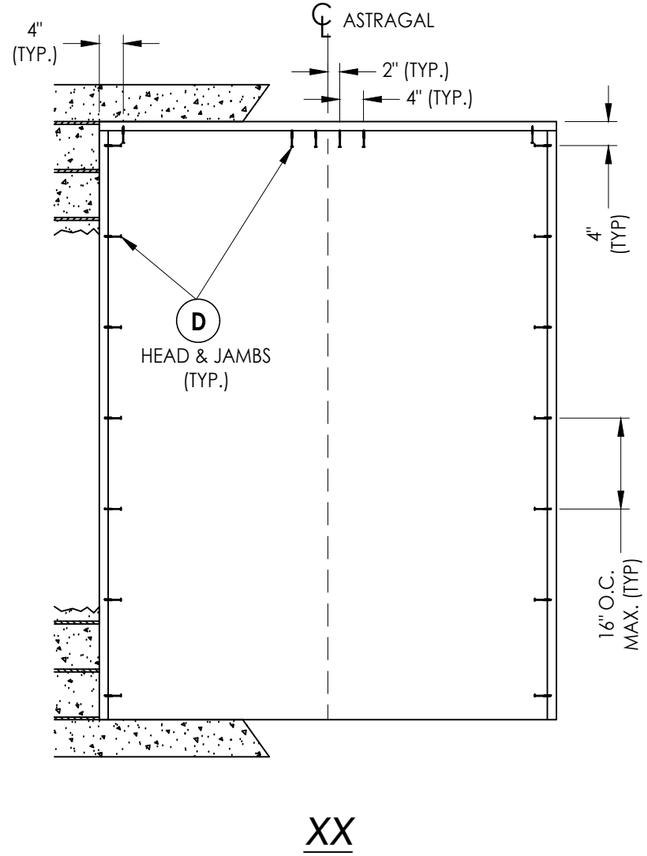

XX

2X BUCK ANCHORING

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

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: CTI DOOR COMPONENTS

PART OR ASSEMBLY: BUCK ANCHORING

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/05/23
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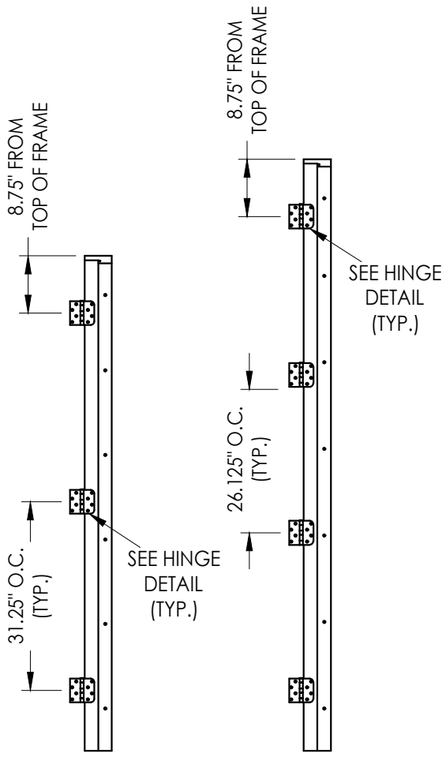
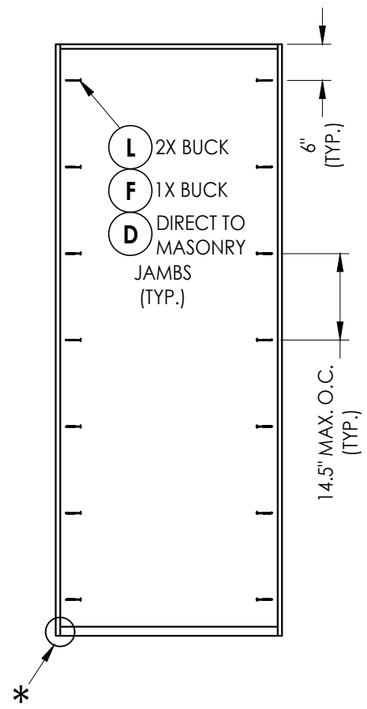
*NOTE: FRAME CORNERS ATTACHED w/
(3) #8 X 2" DEEP THREAD WOOD SCREWS (TYP.)



HINGE JAMB
6'-8" DOOR
(3 HINGES)

HINGE JAMB
8'-0" DOOR
(4 HINGES)



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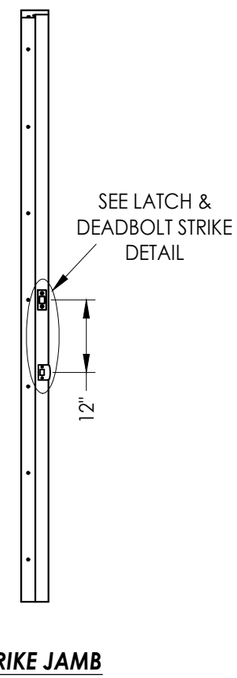
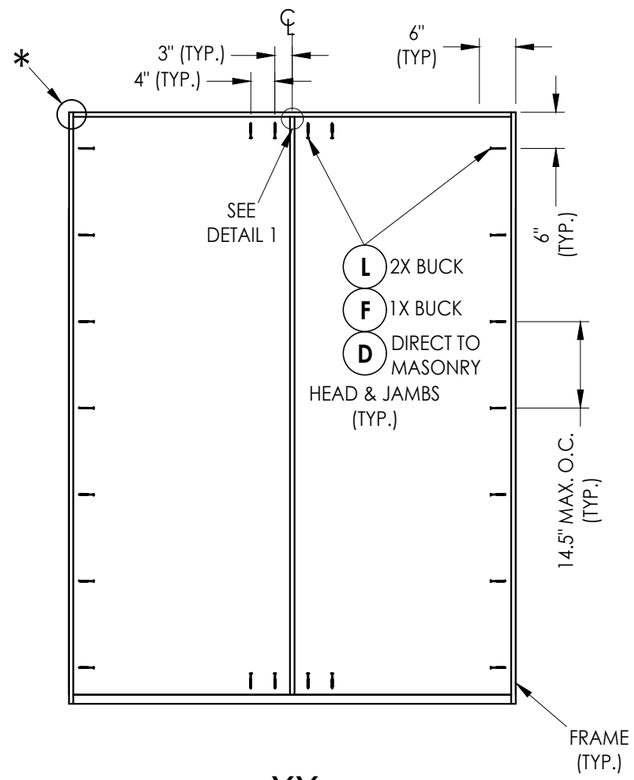


STRIKE JAMB



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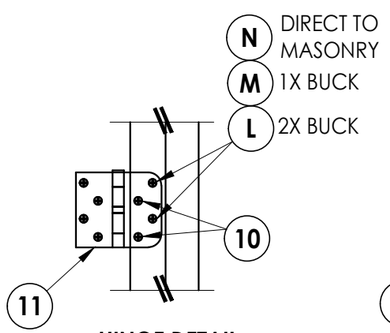
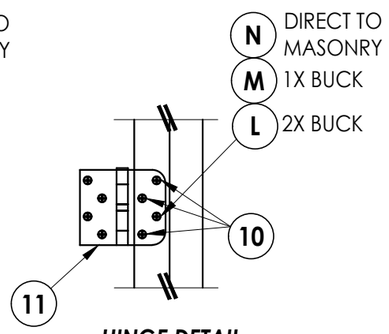
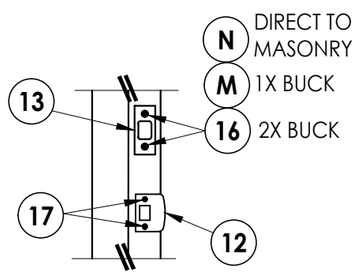
FRAME ANCHORING



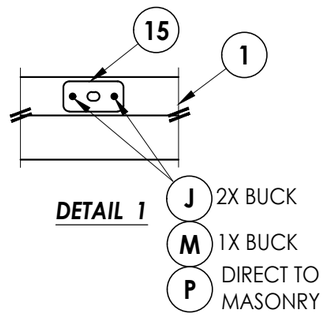
HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING



LATCH & DEADBOLT DETAIL



DETAIL 1

NOTE:
SEE SEPARATE SIDE-HINGED DOOR PRODUCT APPROVAL FOR DOOR CONSTRUCTION DETAILS NOT SHOWN, INCLUDING LOCK HARDWARE, ASTRAGAL, HINGE & THRESHOLD CONNECTIONS.

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: *CTI DOOR COMPONENTS*

PART OR ASSEMBLY: *FRAME ANCHORING & HARDWARE DETAILS*

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

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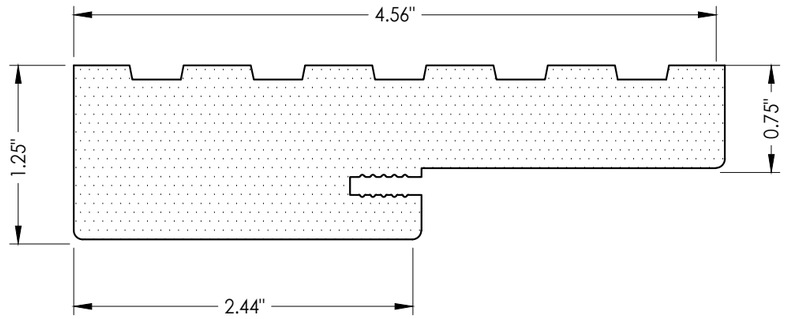
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	#10 X 2-1/2" PFH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB (CTI DOOR COMPONENTS - SuperCOMPFrame®)	COMP
7	WEATHERSTRIP	FOAM
10	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
15	ASTRAGAL SHOOTBOLT STRIKE PLATE	STEEL
16	#12 X 2-1/2" PFH WOOD SCREW	STEEL
17	#8 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL (BY OTHERS - SEE GENERAL NOTE 5, SHEET 1)	-



1 **COMPOSITE JAMB**

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®	3/16"	1-1/4"	3"	1-1/2"
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:
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FBPE Registry No. 9813

PRODUCT: CTI DOOR COMPONENTS

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS	BY
1	8/21/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/05/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-42020.1
SHEET 8 OF 8

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