

# Trinity Glass International

## OPAQUE FIBERGLASS DOOR

### IMPACT OUTSWING

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- THROUGH FRAME: FOR INSTALLATION INTO 2X WOOD FRAMING USE MINIMUM #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. MINIMUM EDGE DISTANCE OF 3/4" SHALL BE MAINTAINED.
- THROUGH FRAME: FOR INSTALLATION INTO CONCRETE/MASONRY, USE 1/4" ITW TAPCONS OR 1/4" ELCO ULTRACONS OR 3/16" ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4" MINIMUM EMBEDMENT INTO CONCRETE/MASONRY.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - CONCRETE - MINIMUM 3000 PSI COMPRESSIVE STRENGTH
  - HOLLOW/GROUT FILLED CMU - STRENGTH CONFORMANCE TO ASTM C90, MIN. F'm = 2000 PSI.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - TAS 201-94
  - TAS 202-94
  - TAS 203-94
  - ASTM E283-04
  - ASTM E330-02
  - ASTM E331-00
  - AAMA 1304-02
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** FOR THIS PRODUCT.
- FRAME & MULLION MATERIAL: PVC OR WOOD
- CLADDING MATERIAL: FIBERGLASS

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TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

GENERAL NOTES

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

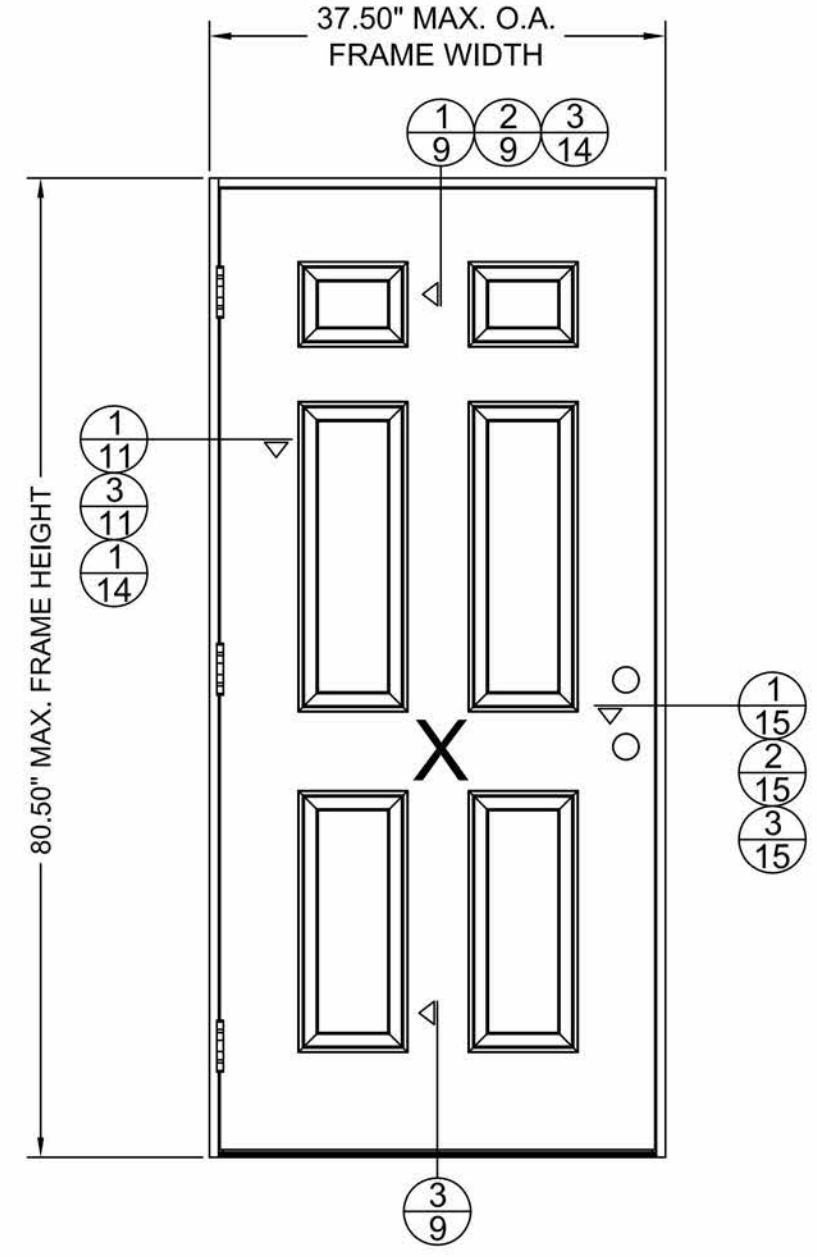
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DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**  
SHEET: **1 OF 29**

Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2016.08.26 14:42:19 -04'00'



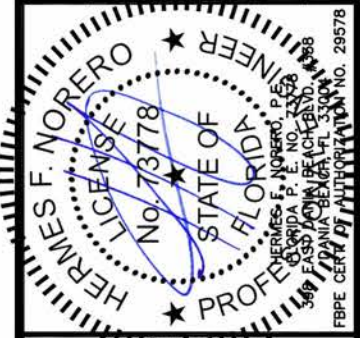
MAX. FRAME DIMENSION	JAMB TYPE	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
37.50" X 80.50"	WOOD	+75.0	-75.0
	PVC	+60.0	-60.0

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

TYPICAL ELEVATION AND  
DESIGN PRESSURE

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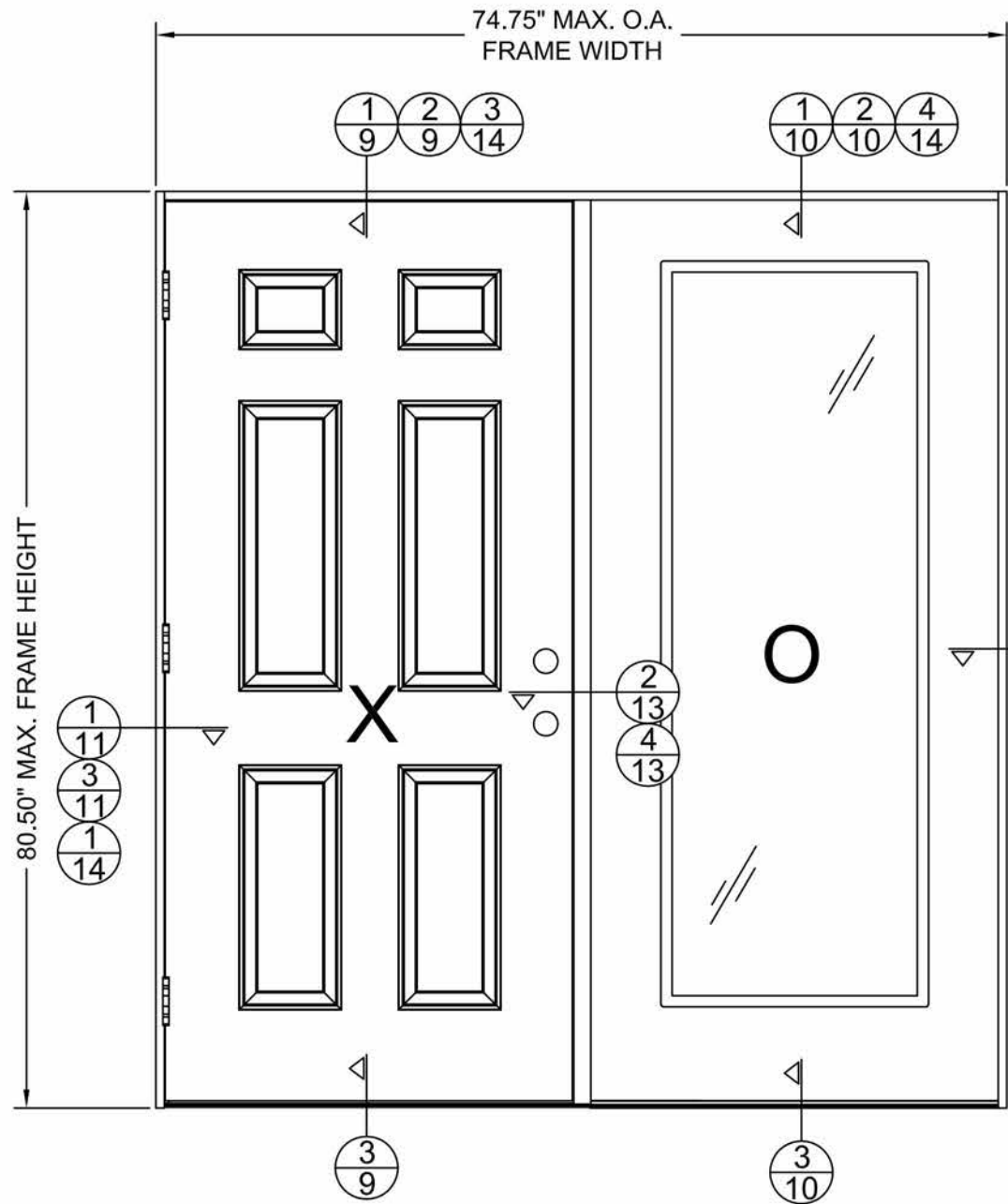
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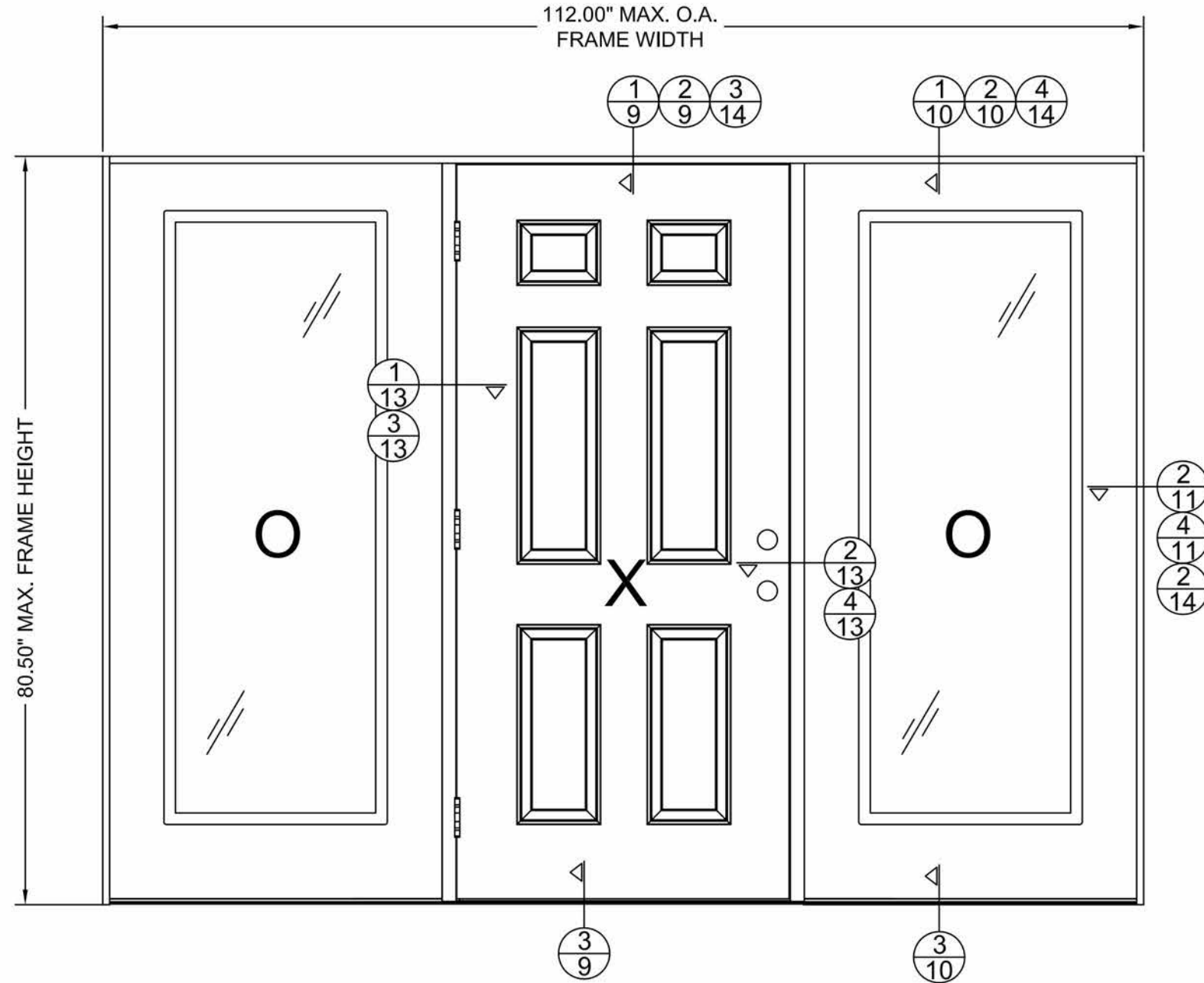
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SCALE: NTS

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**FL-20867.2**

SHEET: **2 OF 29**



**CONTINUOUS HEADER AND SILL**



**CONTINUOUS HEADER AND SILL**

CONFIGURATION	MAX. FRAME DIMENSION	JAMB & MULLION TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
OX/XO	74.75" X 80.50"	WOOD	+60.0	-70.0
		PVC	+55.0	-55.0
OXO	112.00" X 80.50"	WOOD	+55.0	-55.0
		PVC	+55.0	-55.0

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

TYPICAL ELEVATION AND  
DESIGN PRESSURE

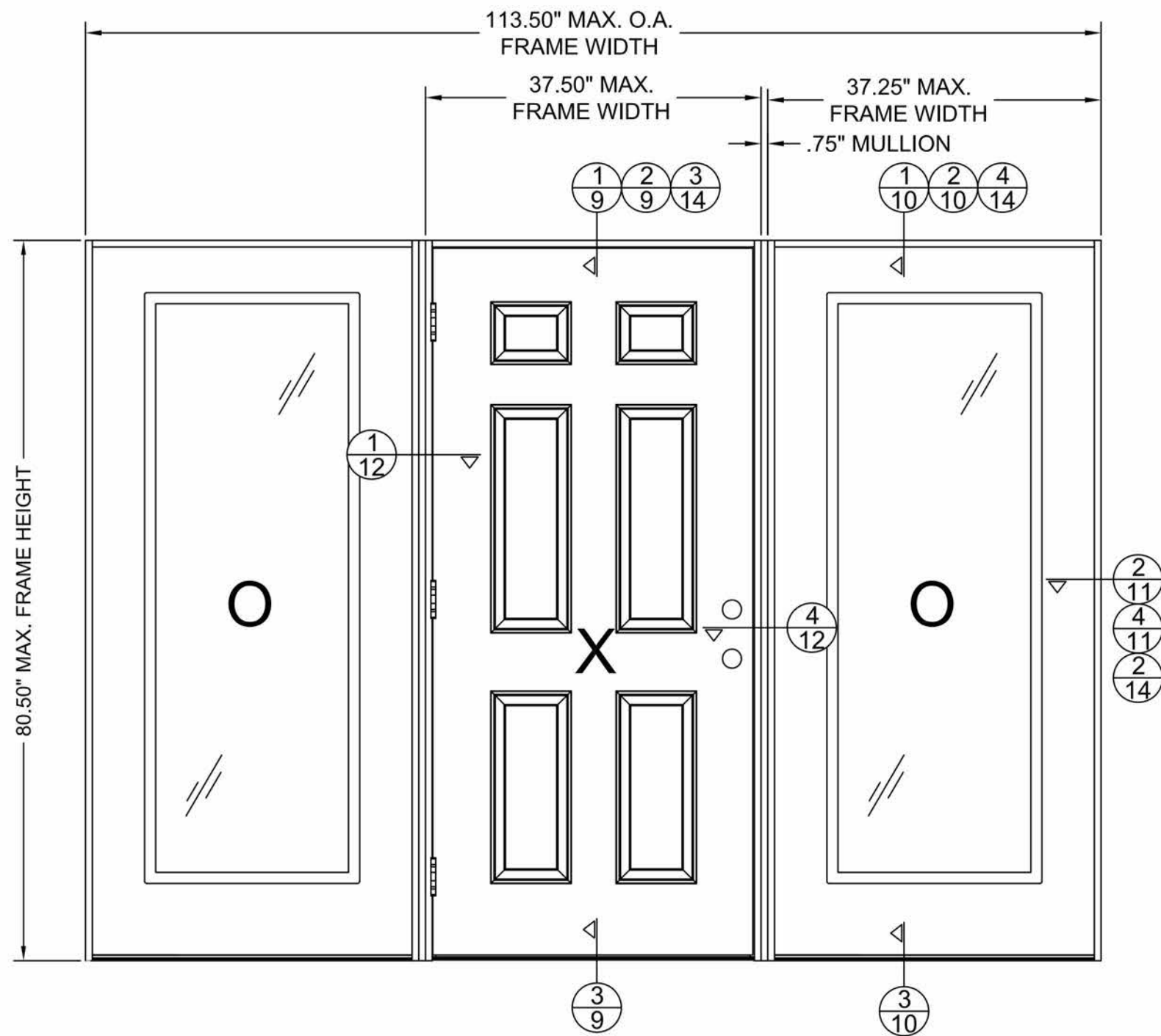
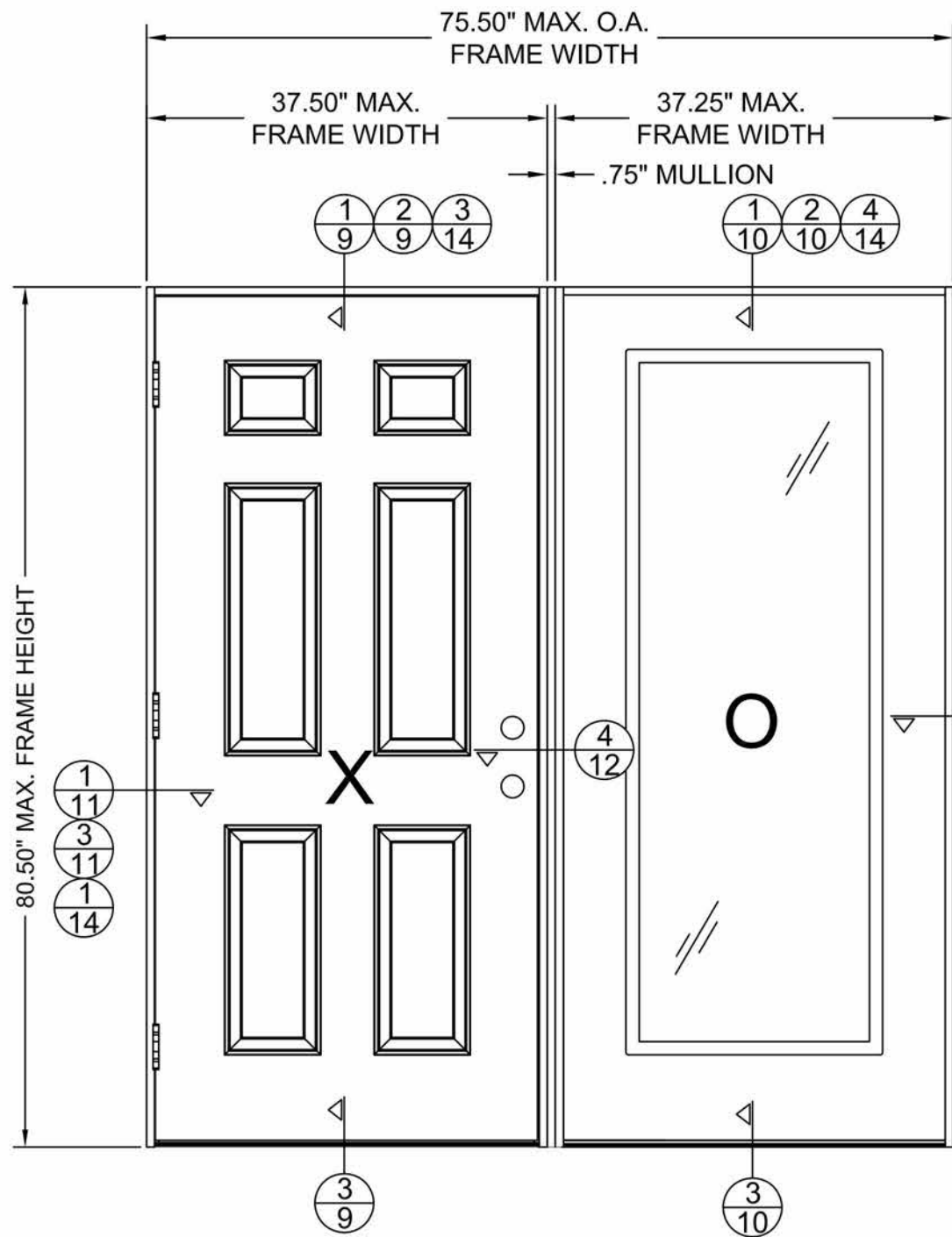
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SHEET: **3 OF 29**



CONFIGURATION	MAX. FRAME DIMENSION	JAMB & MULLION TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
OX/XO	75.50" X 80.50"	WOOD	+60.0	-70.0
		PVC	+55.0	-55.0
OXO	113.50" X 80.50"	WOOD	+55.0	-55.0
		PVC	+55.0	-55.0

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

TYPICAL ELEVATION AND  
DESIGN PRESSURE

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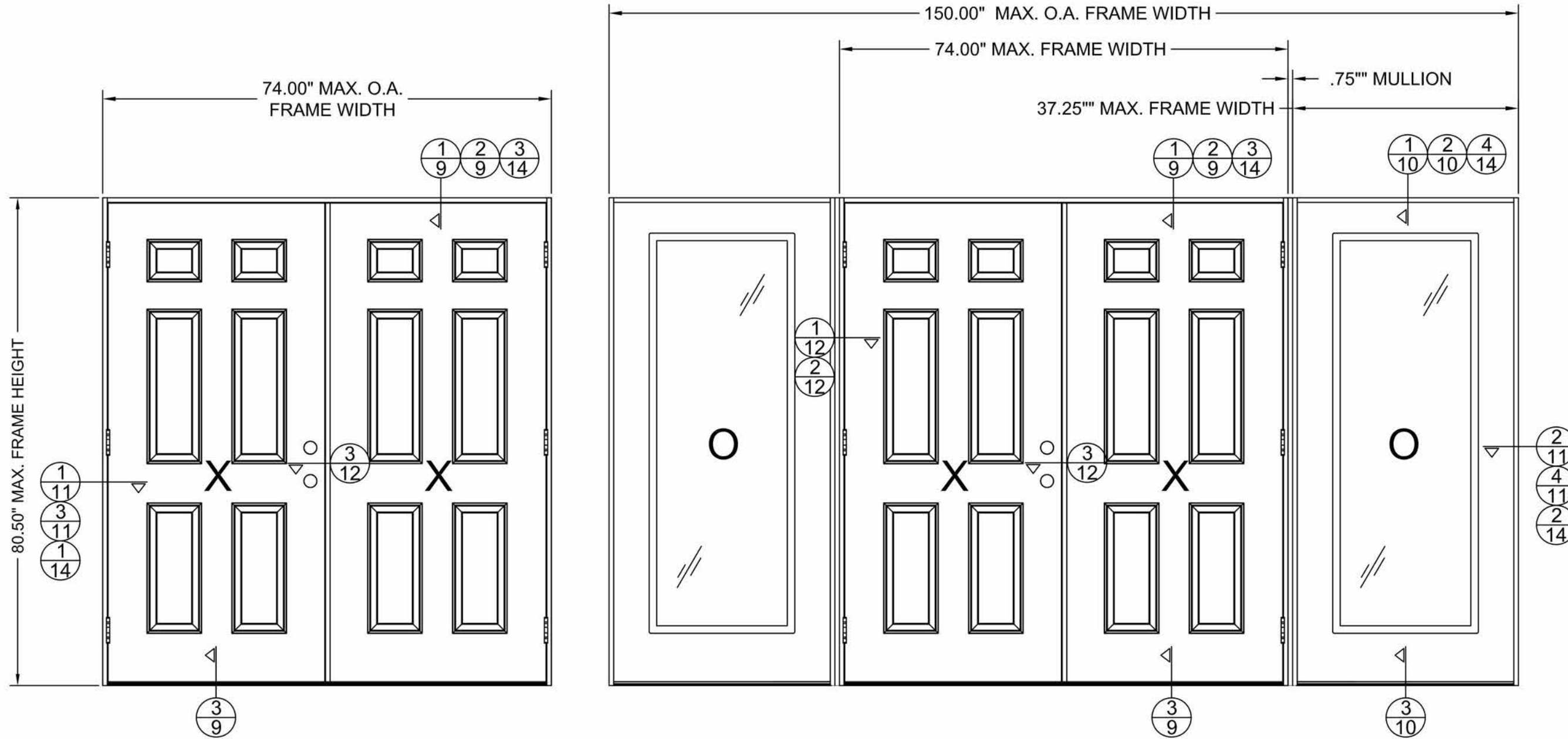
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CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) ALUMINUM ASTRAGAL		DESIGN PRESSURE (PSF) PVC ASTRAGAL	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.00" X 80.50"	+55.0	-55.0	+47.0	-47.0
OXXO	150.00" X 80.50"	+55.0	-55.0	+47.0	-47.0

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

TYPICAL ELEVATION AND  
DESIGN PRESSURE

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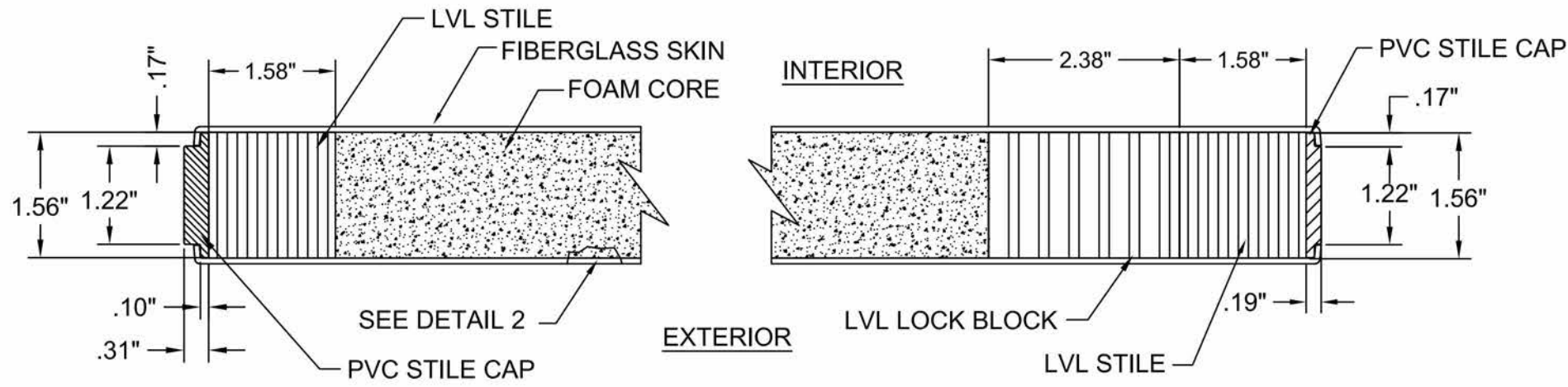
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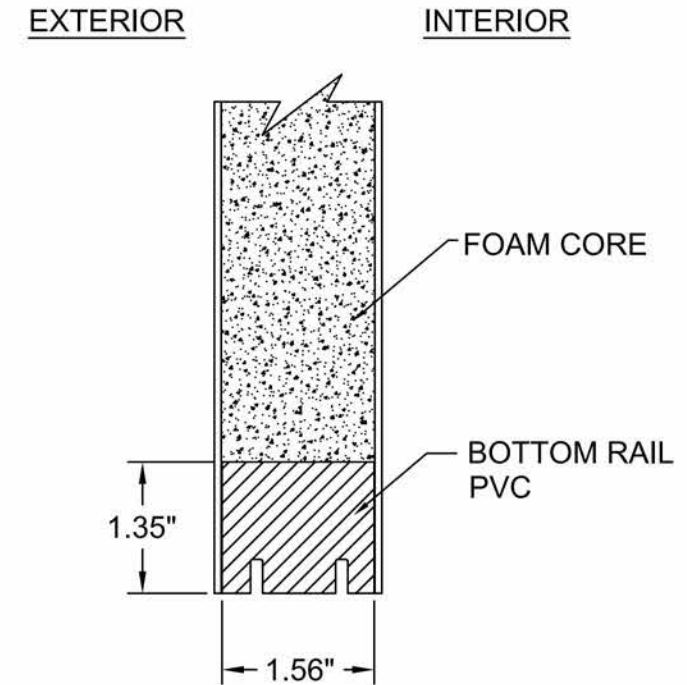
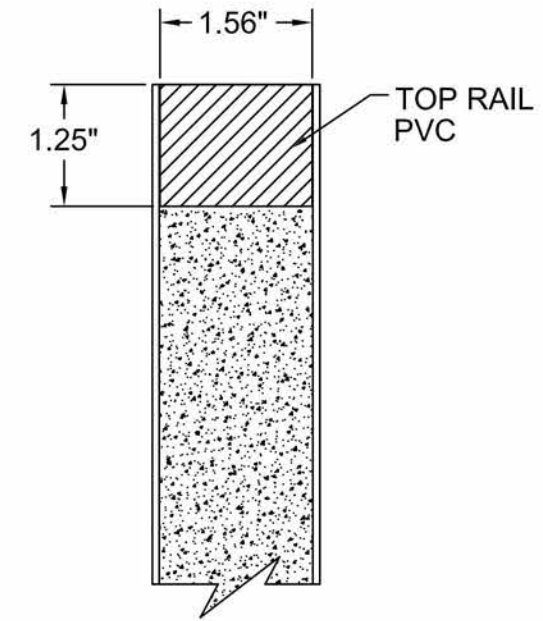
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SHEET: **5 OF 29**

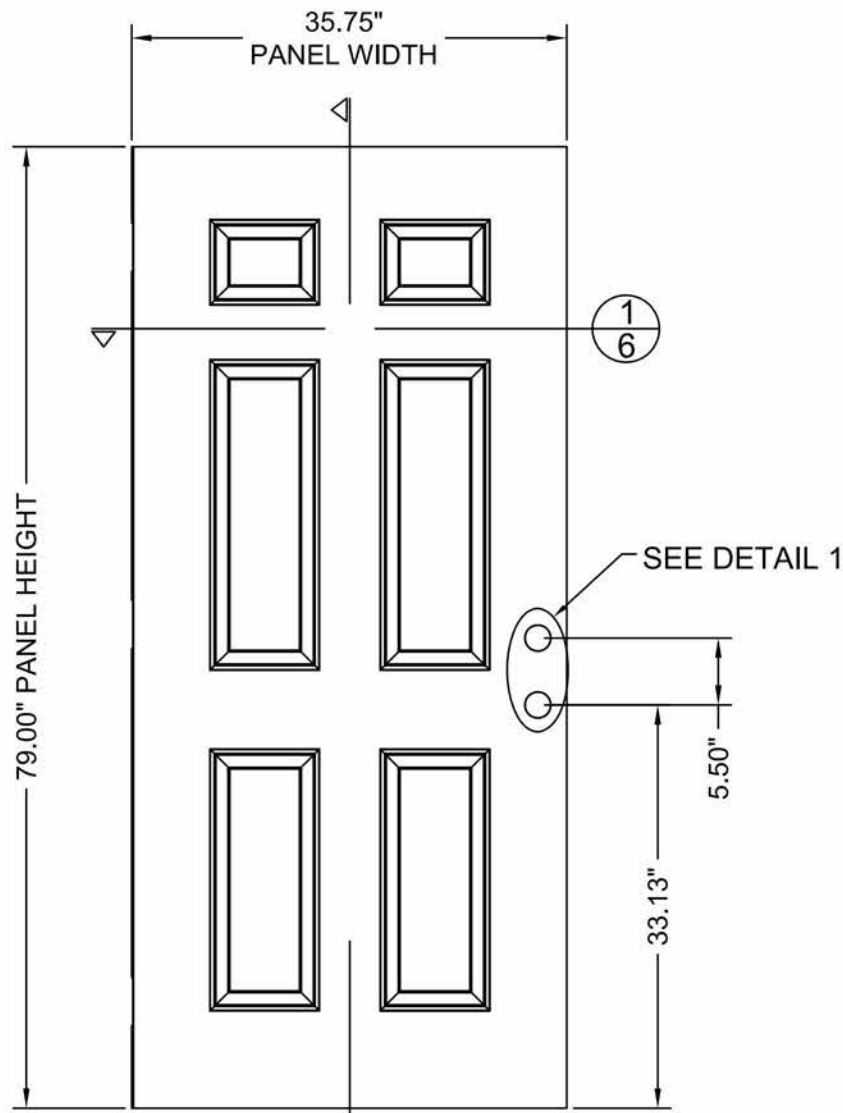
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IMPACT OUTSWING  
DOOR PANEL  
CONSTRUCTION DETAILS  
PREPARED BY:  
BUILDING DROPS, INC.  
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**1**  
**6** HORIZONTAL CROSS SECTION

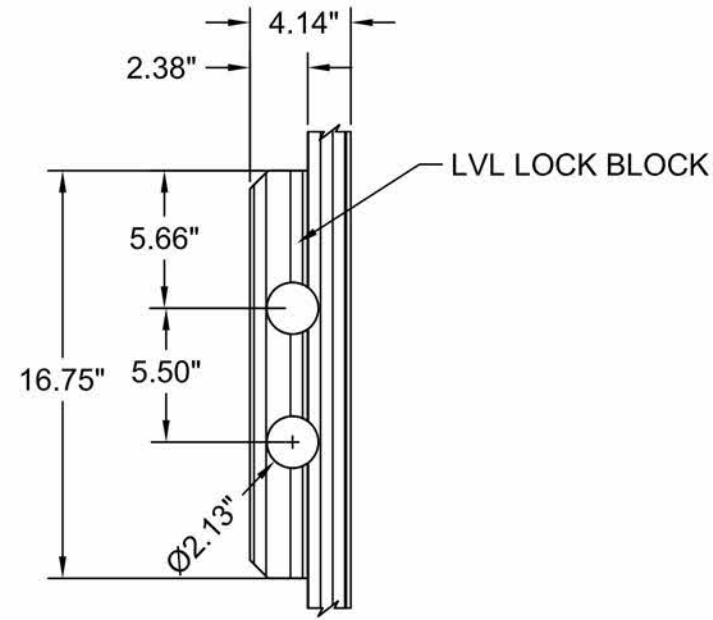


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**6** VERTICAL CROSS SECTION

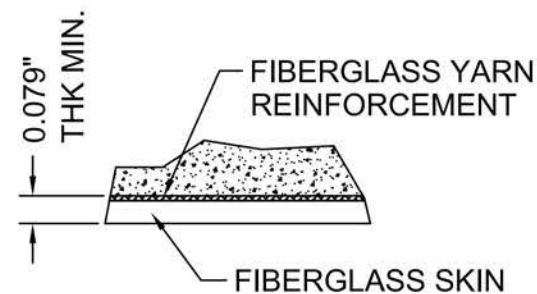


**11** OPAQUE DOOR

FIBERGLASS SKIN: 0.079" THICK MIN.  
FOAM CORE: POLYURETHANE



DETAIL 1



DETAIL 2

LOCKSET HARDWARE	
MANUFACTURER	MODEL
KWIKSET	LOCK & DEADBOLT COMBO SIGNATURE SERIES 991
KWIKSET	LOCK & DEADBOLT COMBO SIGNATURE SERIES 980
SCHLAGE	LOCK: F-SERIES DEADBOLT: B60 SERIES

**REVISIONS**

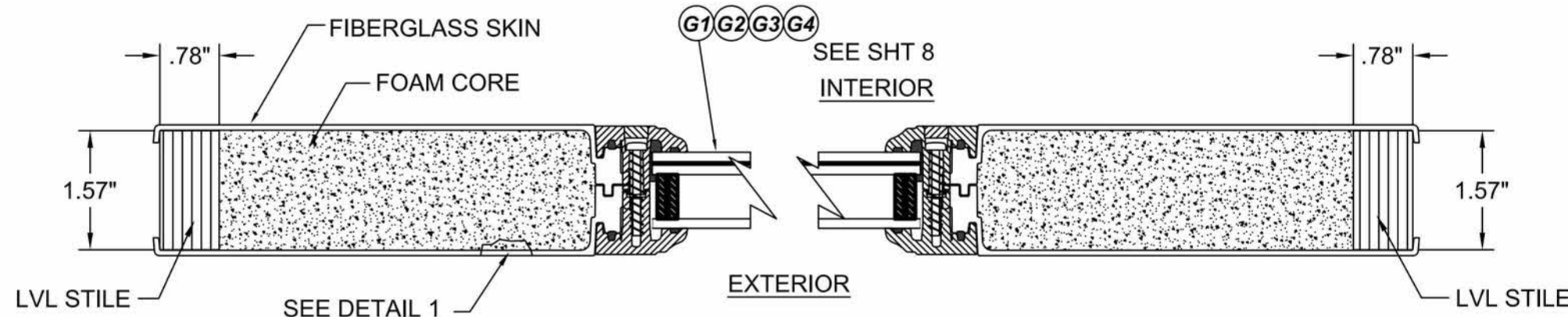
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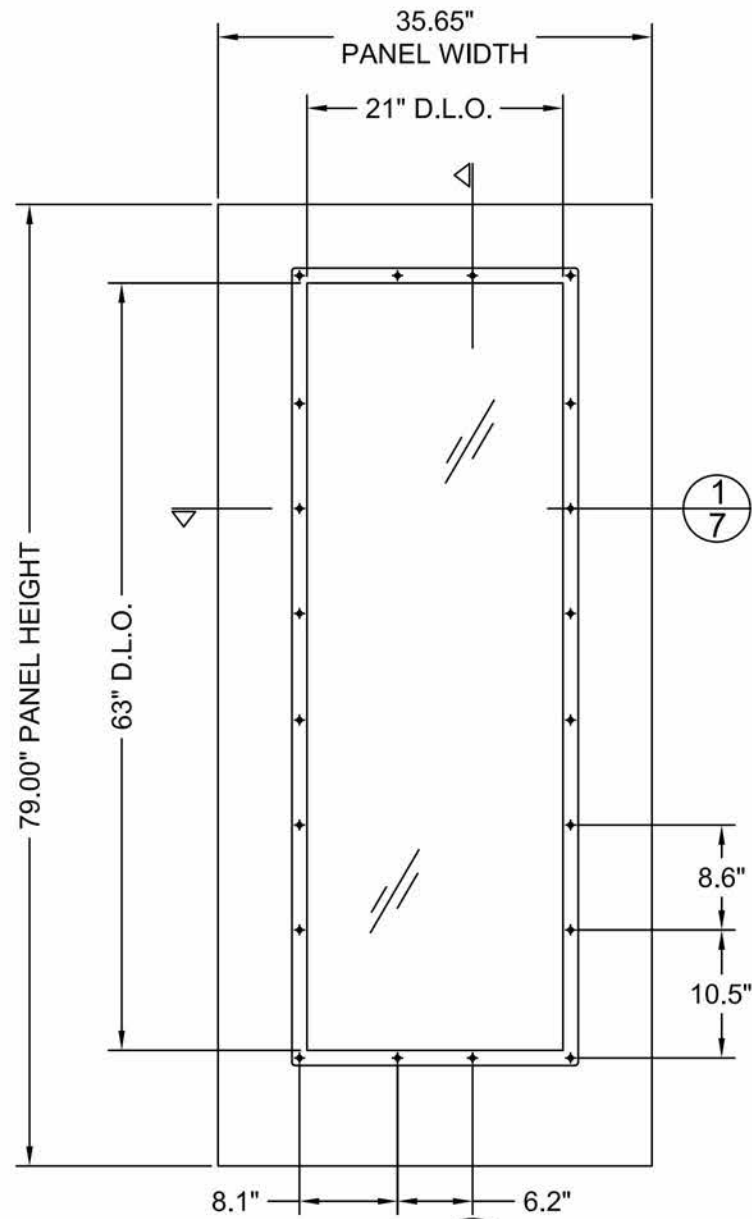
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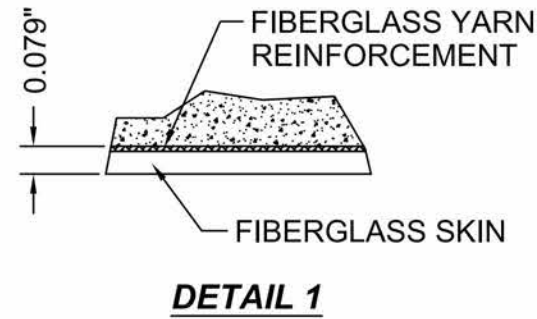


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**7** **HORIZONTAL CROSS SECTION**

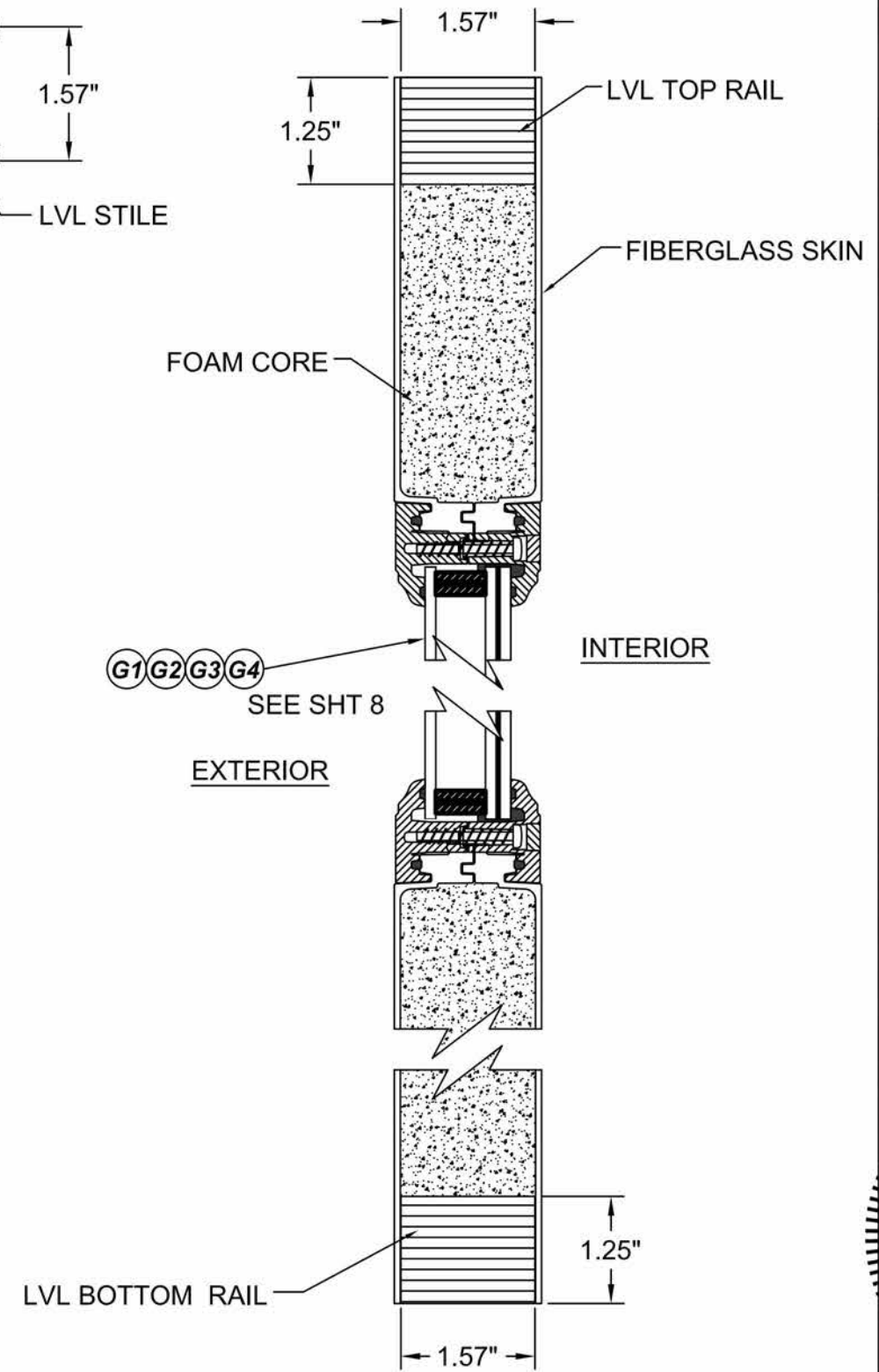


**12** **SIDELITE PANEL**

FIBERGLASS SKIN: 0.079" THICK MIN.  
FOAM CORE: POLYURETHANE



**DETAIL 1**

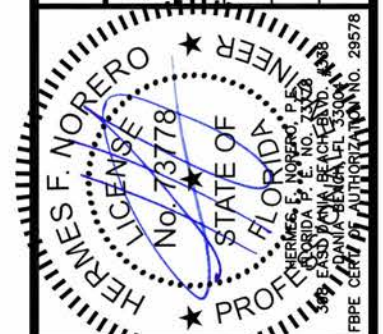


**2**  
**7** **VERTICAL CROSS SECTION**

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
**SIDELITE PANEL**  
**CONSTRUCTION DETAILS**  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
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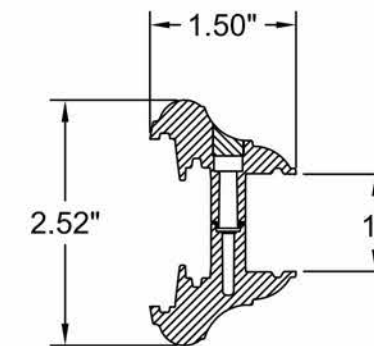
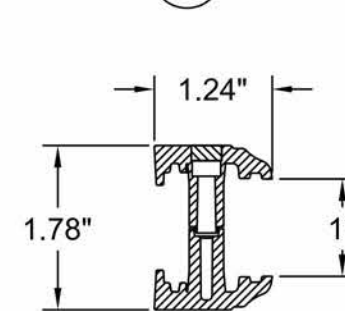
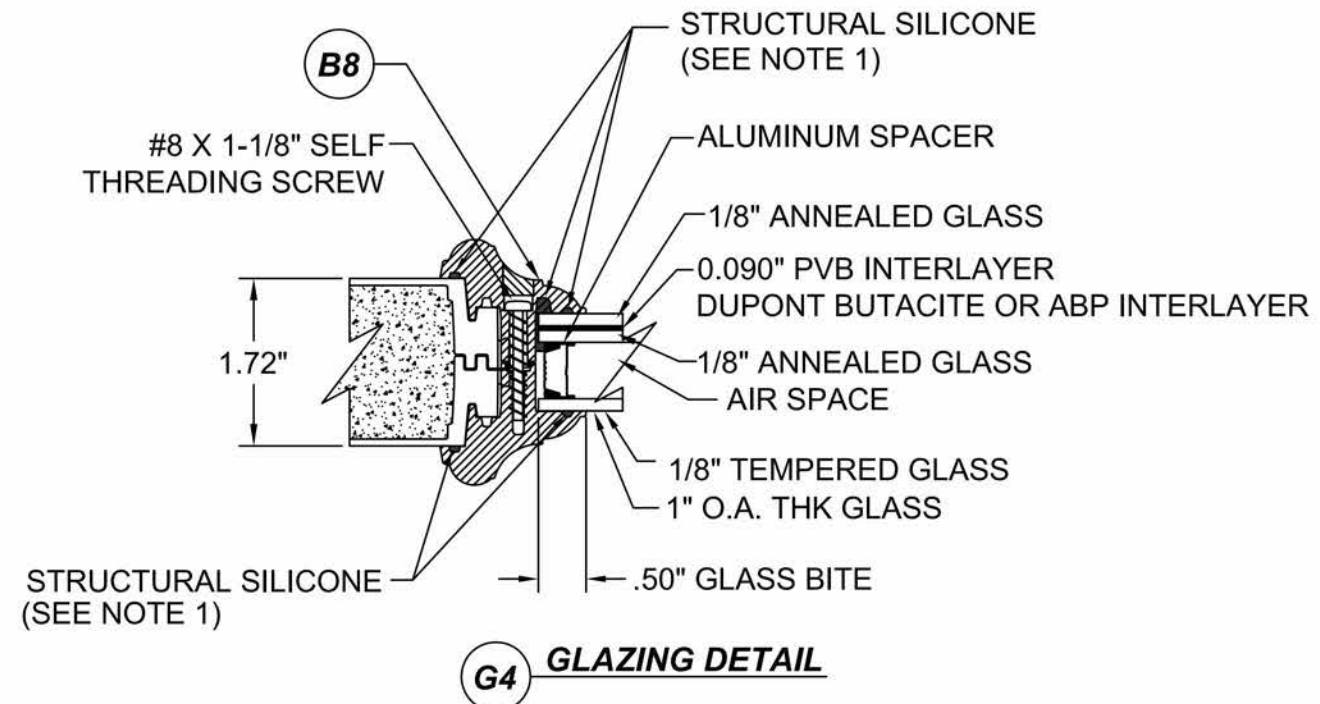
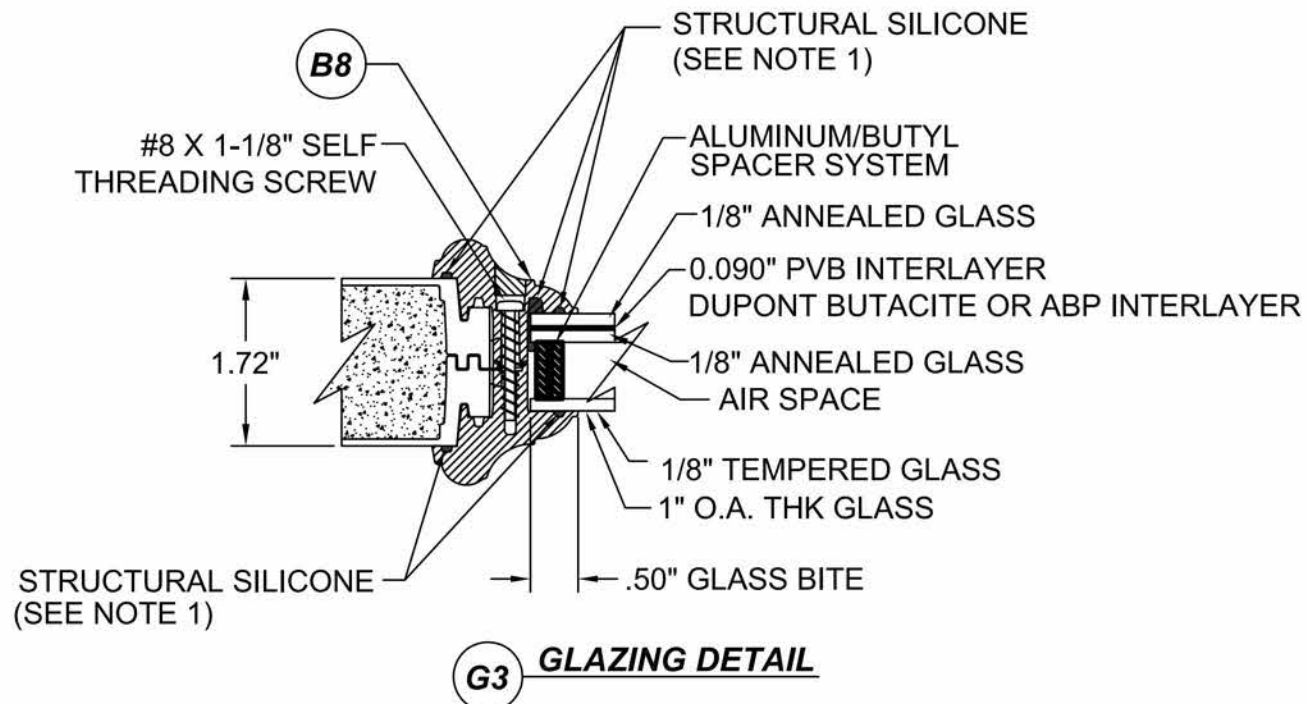
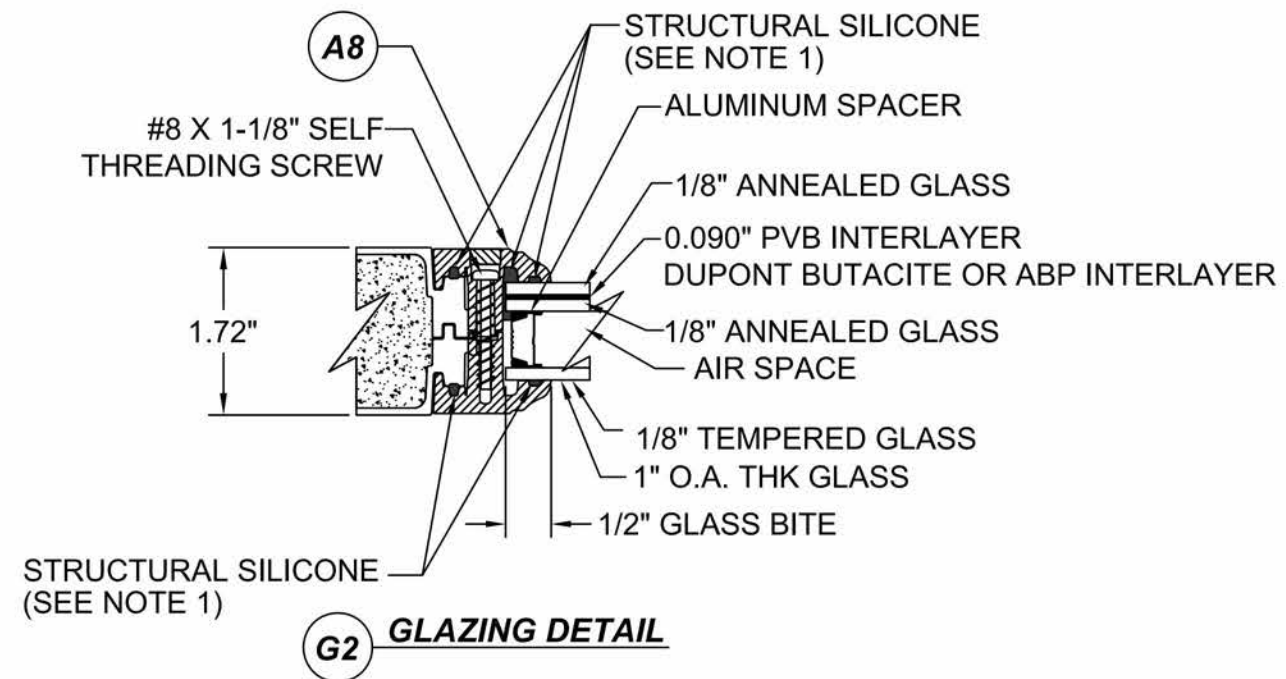
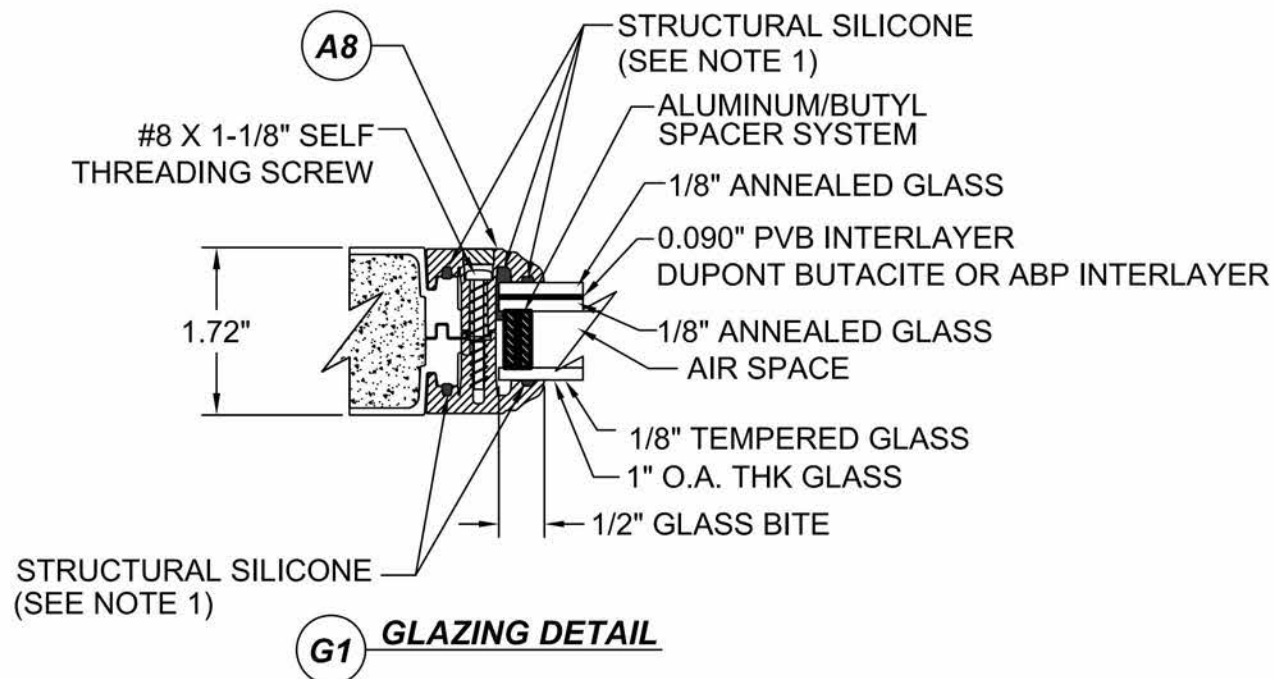
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CHK BY:	LFN
SCALE:	NTS

DWG #:  
**FL-20867.2**

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TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
GLAZING DETAILS

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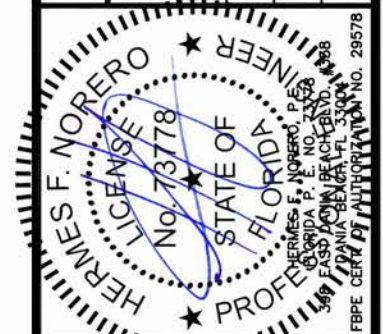
**NOTE:**

1. STRUCTURAL SILICONE OPTIONS: SILICONE BY CAPSTONE OR DOW 995 STRUCTURAL SILICONE

**A8 FLUSH GLAZED FRAME**  
ABS OR PC/ASA

**B8 MAHOGANY LITE FRAME**  
ABS OR PC/ASA

REVISIONS		NO.	DESCRIPTION	BY	DATE



DATE: 07.14.16  
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SCALE: NTS

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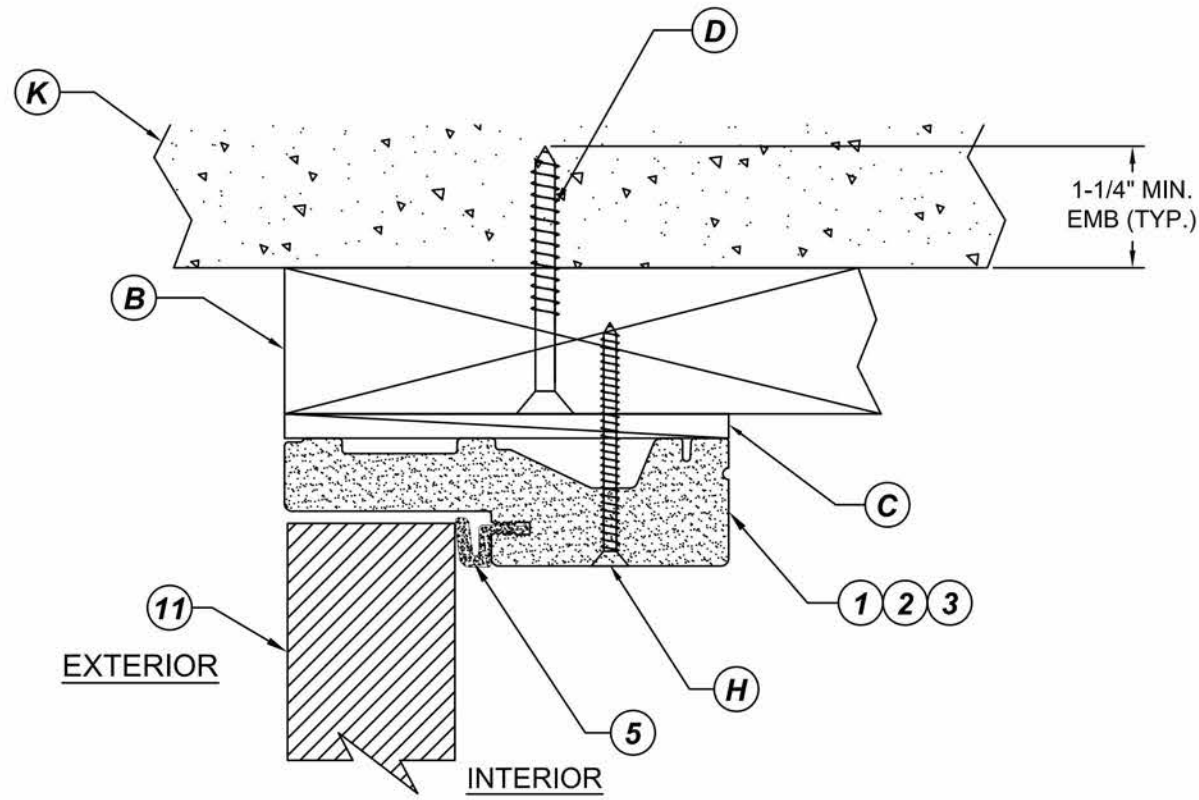
SHEET: **8 OF 29**



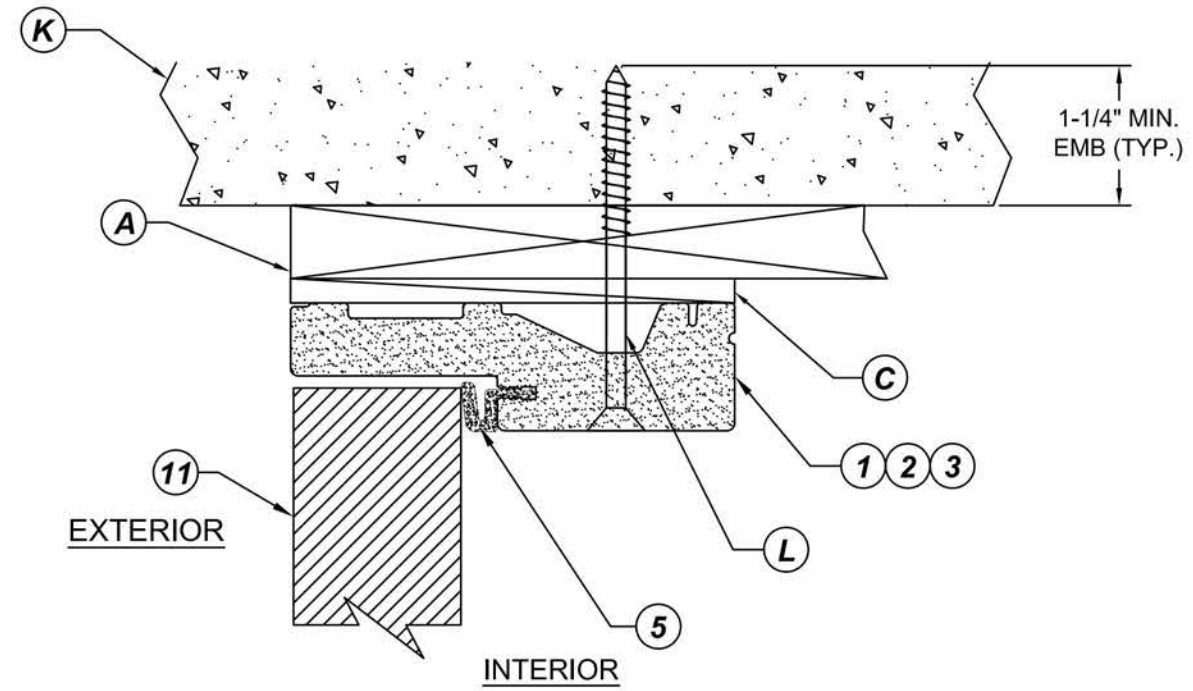
TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

VERTICAL CROSS SECTIONS

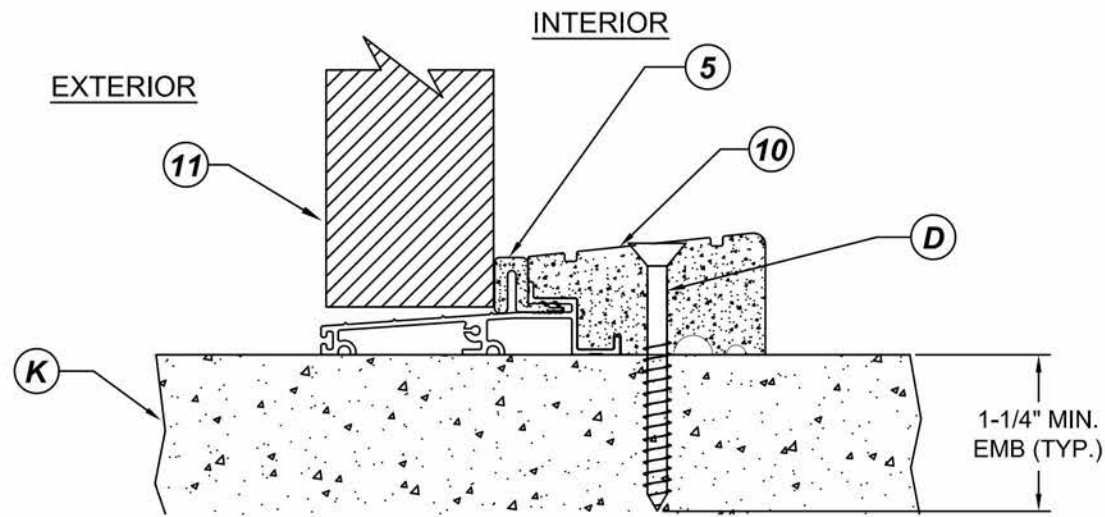
PREPARED BY:  
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**1**  
**9** VERTICAL CROSS SECTION  
SHOWN W/ 2X WOOD BUCK



**2**  
**9** VERTICAL CROSS SECTION  
SHOWN W/ 1X WOOD BUCK



**3**  
**9** VERTICAL CROSS SECTION

**REVISIONS**

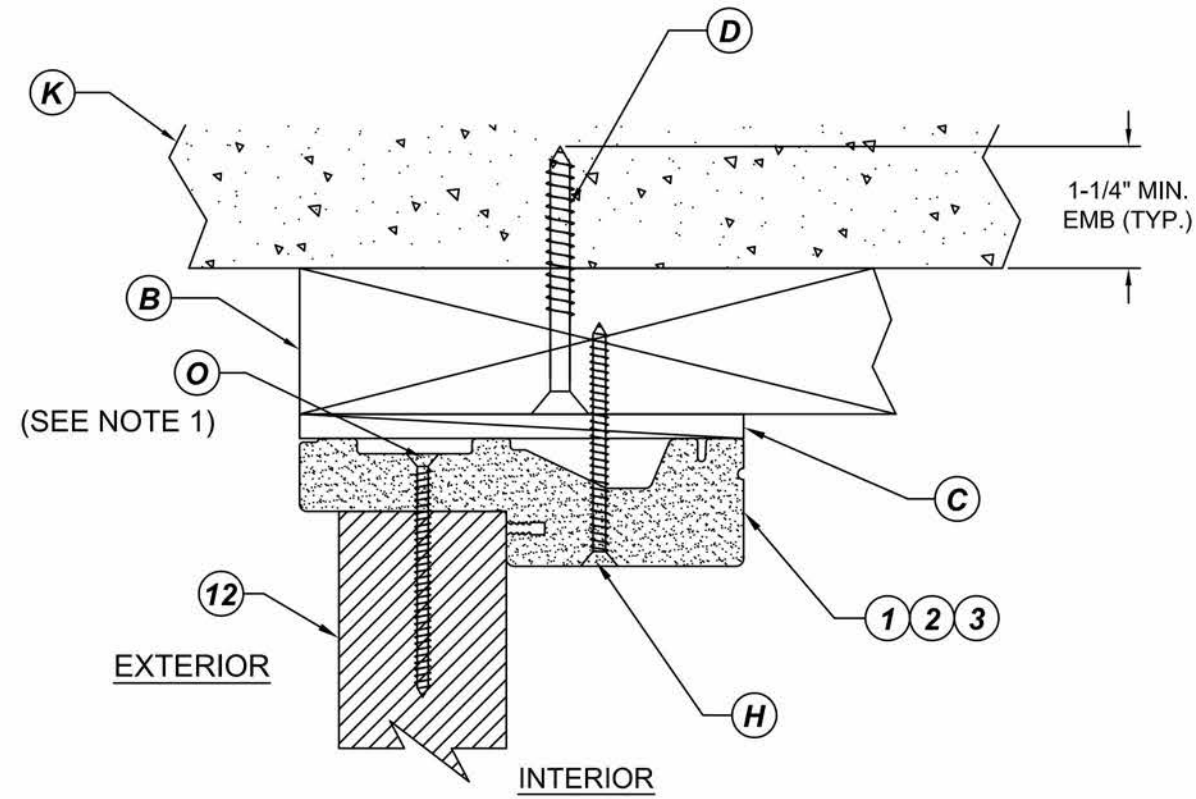
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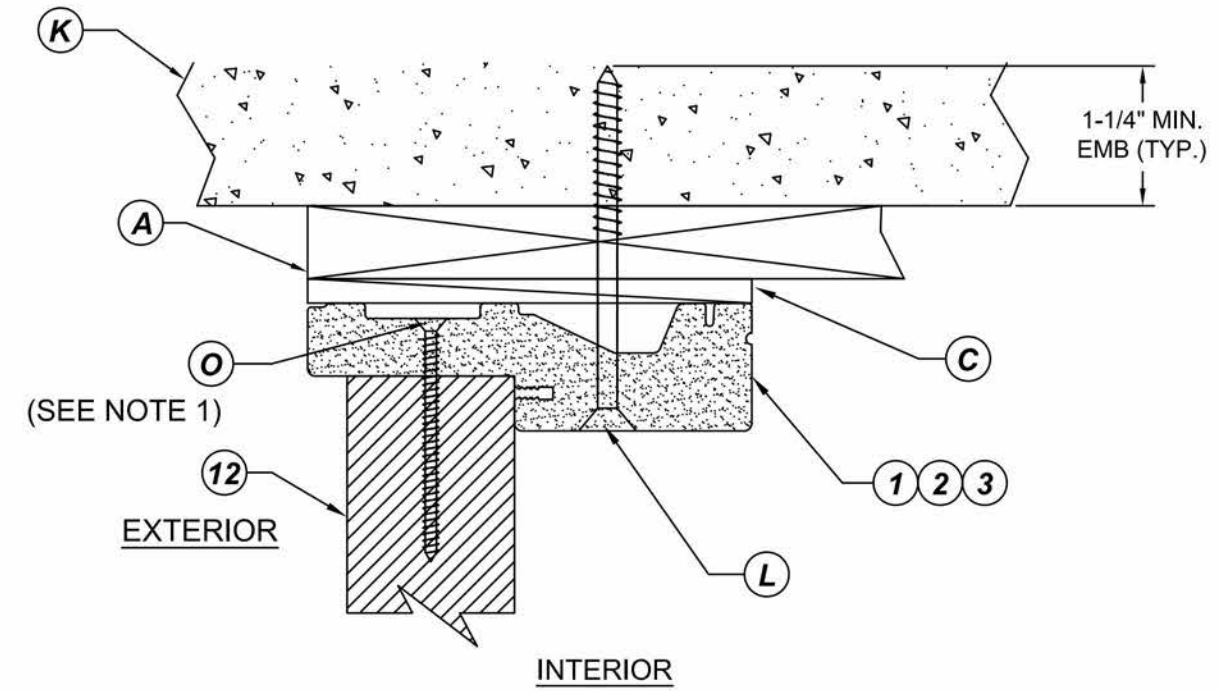
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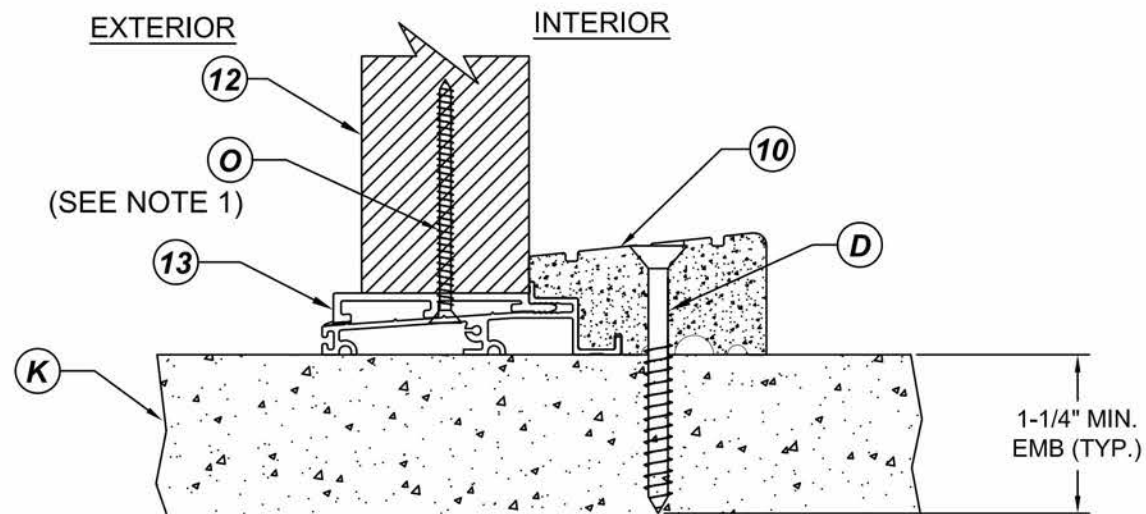
SHEET: **9 OF 29**



**1**  
**10** VERTICAL CROSS SECTION



**2**  
**10** VERTICAL CROSS SECTION  
SHOWN W/ 1X WOOD BUCK



**3**  
**10** VERTICAL CROSS SECTION

**NOTE:**

1. SCREWS THRU HEAD JAMB AND SILL. EACH SCREWS LOCATED 1/3 DISTANCE OF SIDELITE PANEL WIDTH FROM EACH ENDS.

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

VERTICAL CROSS SECTIONS

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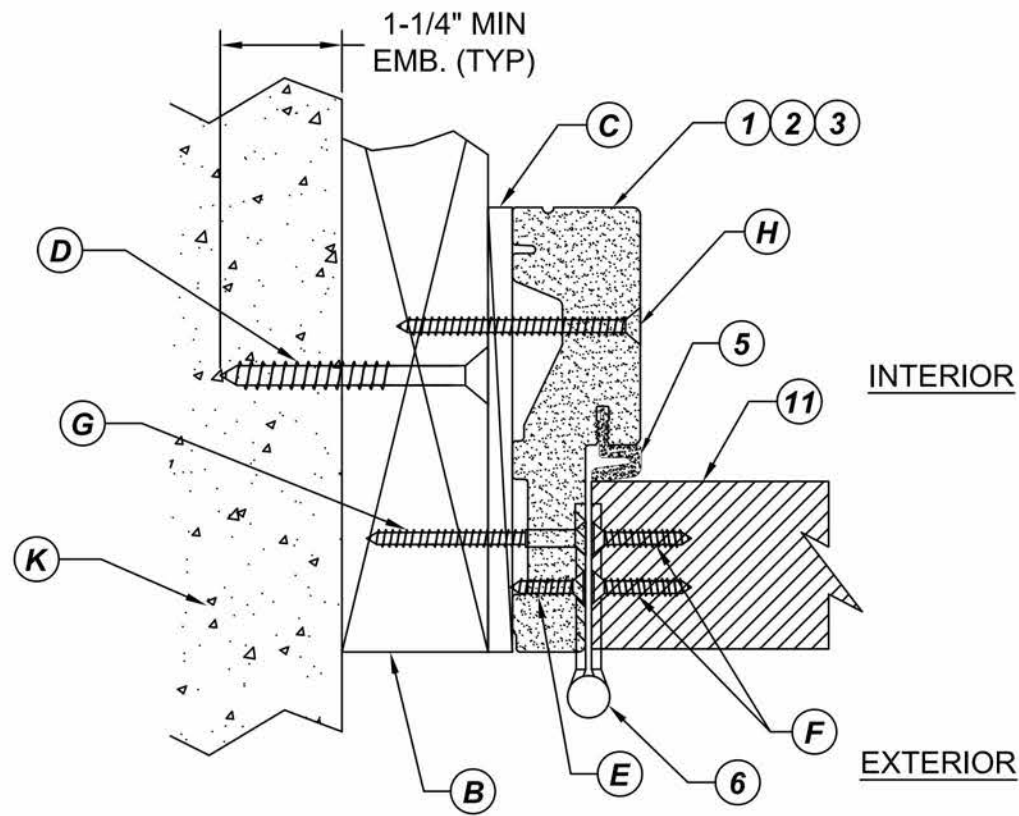


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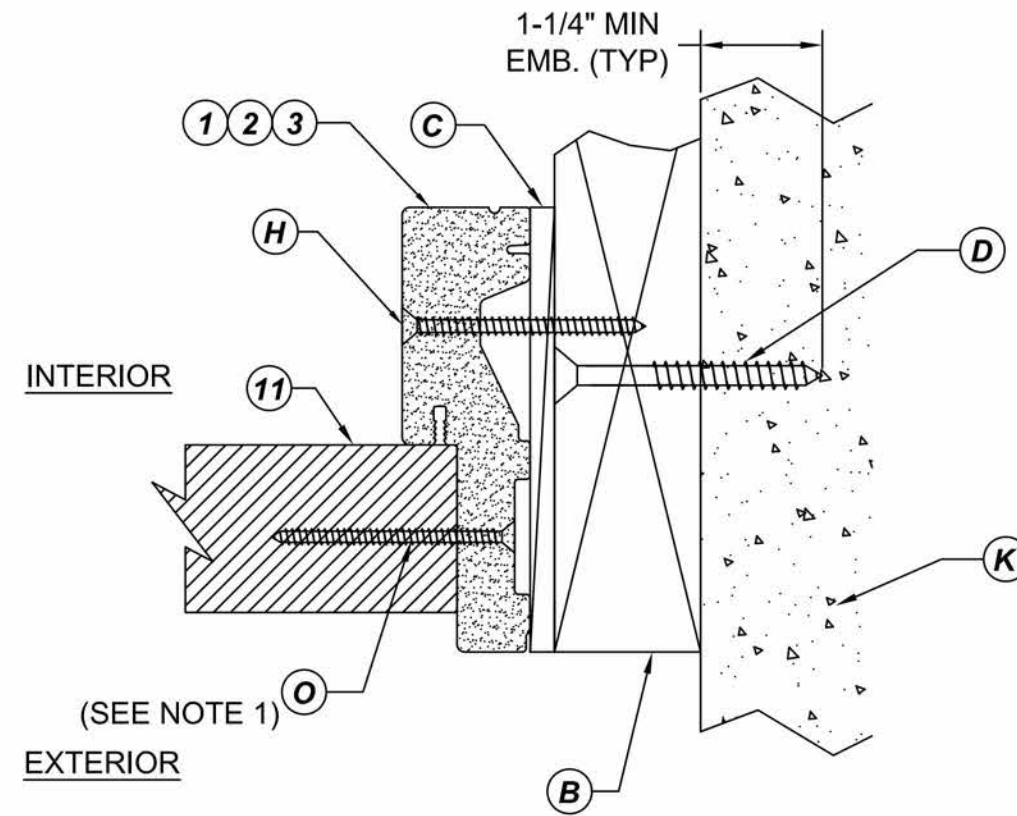
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SHEET: **10 OF 29**

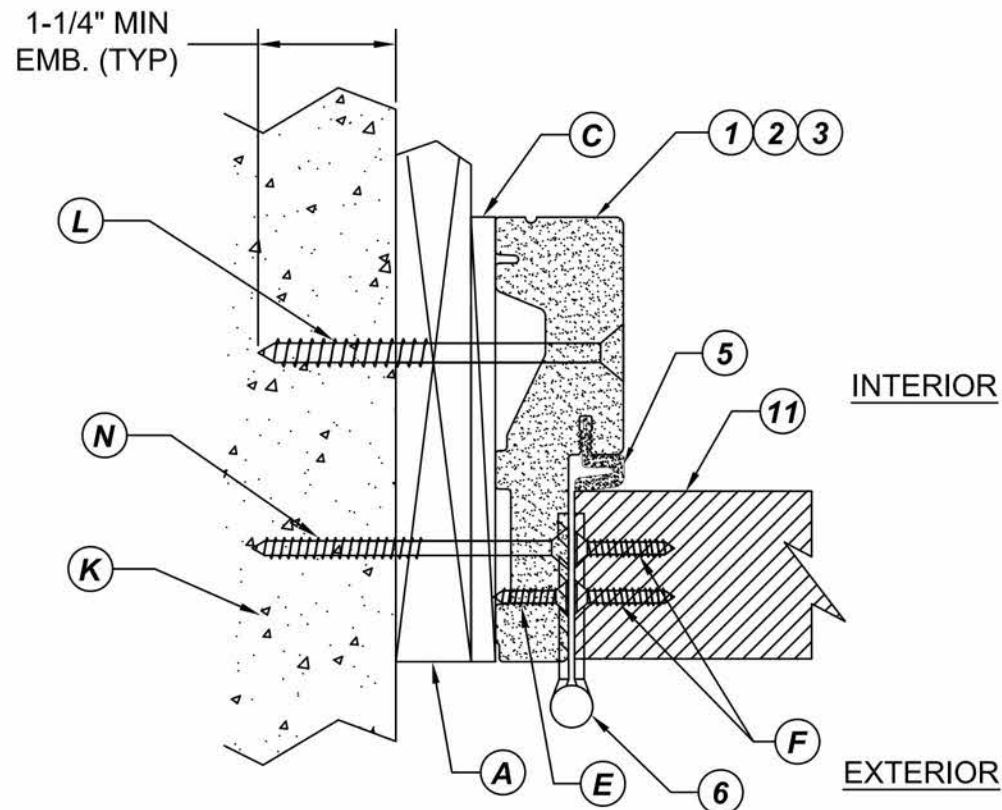
TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
**HORIZONTAL CROSS SECTIONS**  
PREPARED BY:  
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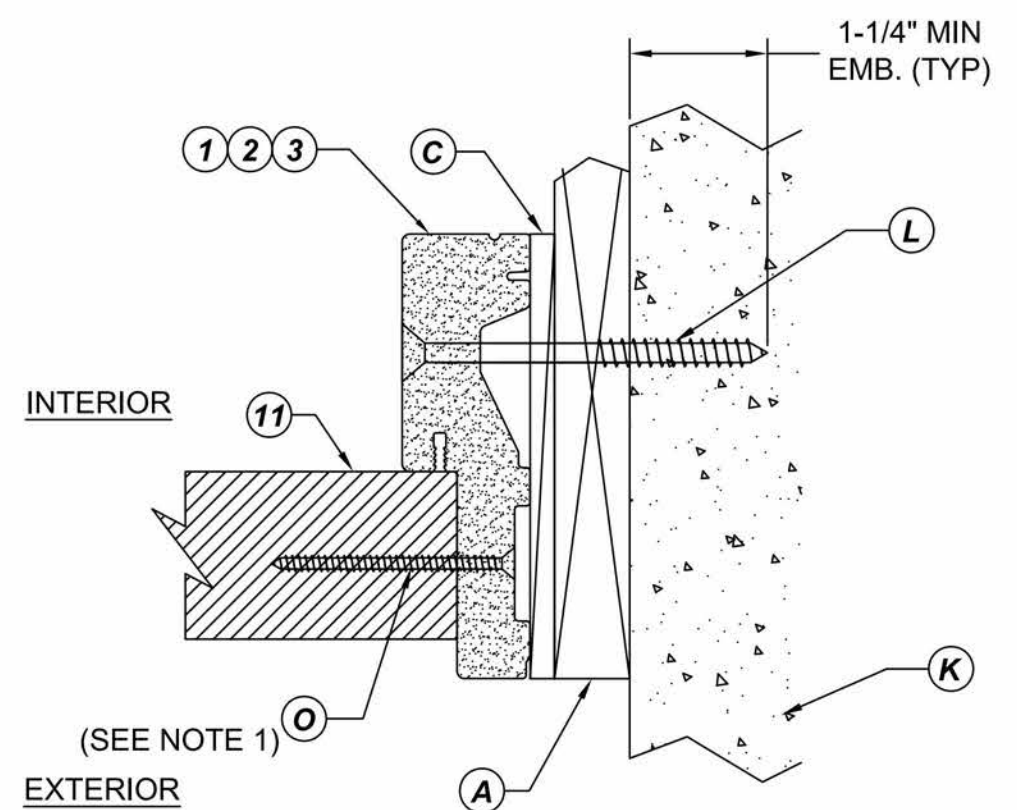
**1** HORIZONTAL CROSS SECTION  
11 SHOWN W/ 2X WOOD BUCK



**2** HORIZONTAL CROSS SECTION  
11 SHOWN W/ 2X WOOD BUCK



**3** HORIZONTAL CROSS SECTION  
11 SHOWN W/ 1X WOOD BUCK



**4** HORIZONTAL CROSS SECTION  
11 SHOWN W/ 1X WOOD BUCK

**NOTE:**

1. SIDELITE SCREWS LOCATED 6" FROM EACH END OF SIDE JAMB AND 3 EQUALLY SPACED SCREWS FROM THE END SCREWS.

**REVISIONS**

NO.	DESCRIPTION	BY	DATE

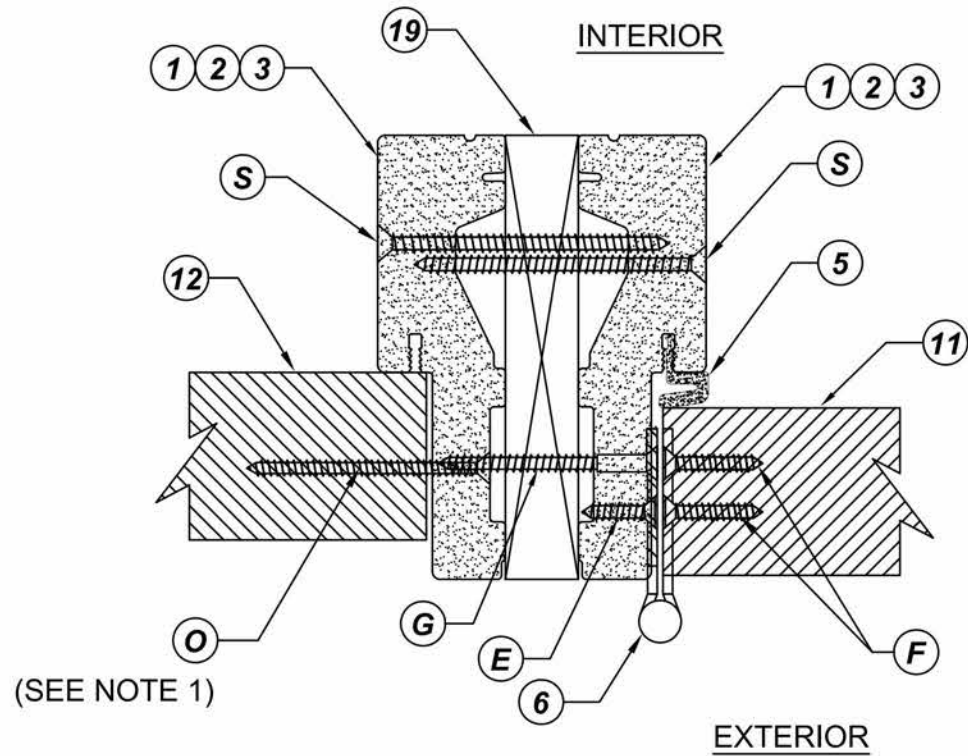


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SHEET: **11 OF 29**

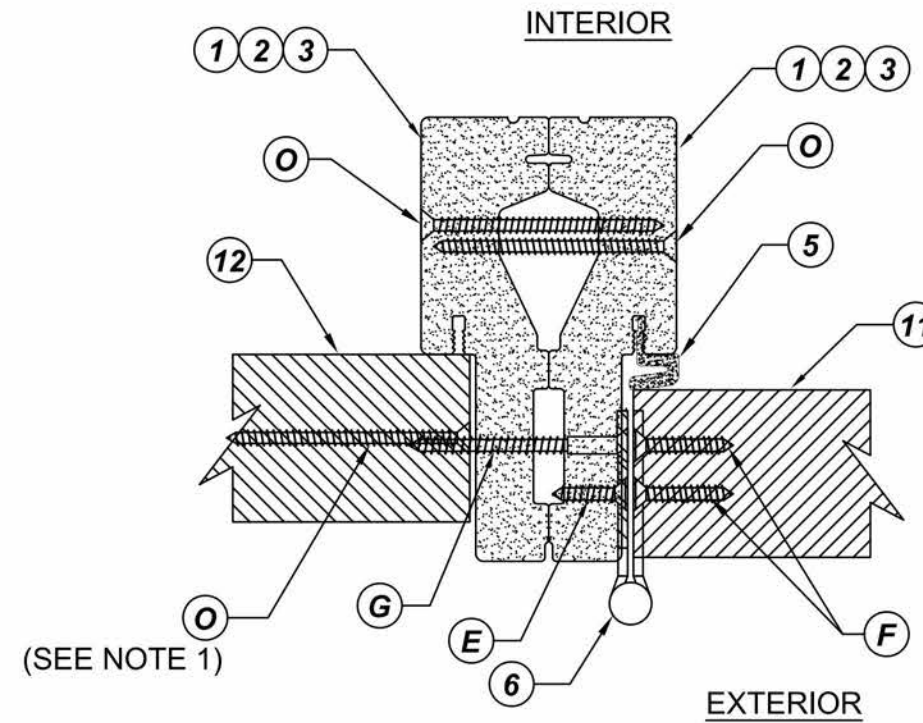
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IMPACT OUTSWING  
HORIZONTAL  
CROSS SECTIONS

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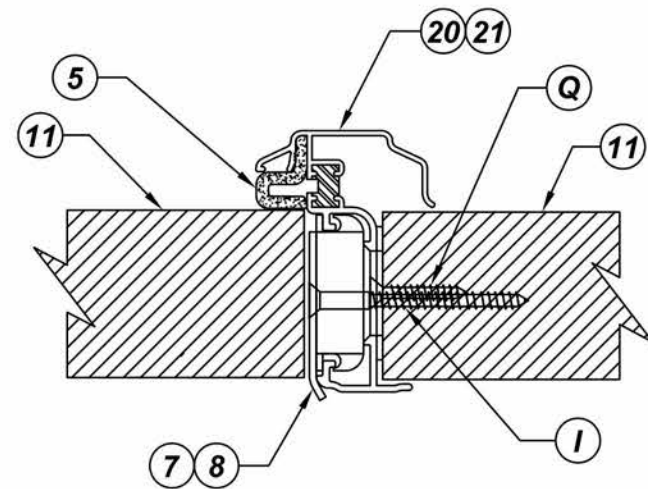
(SEE NOTE 1)

**1**  
**12** HORIZONTAL CROSS SECTION

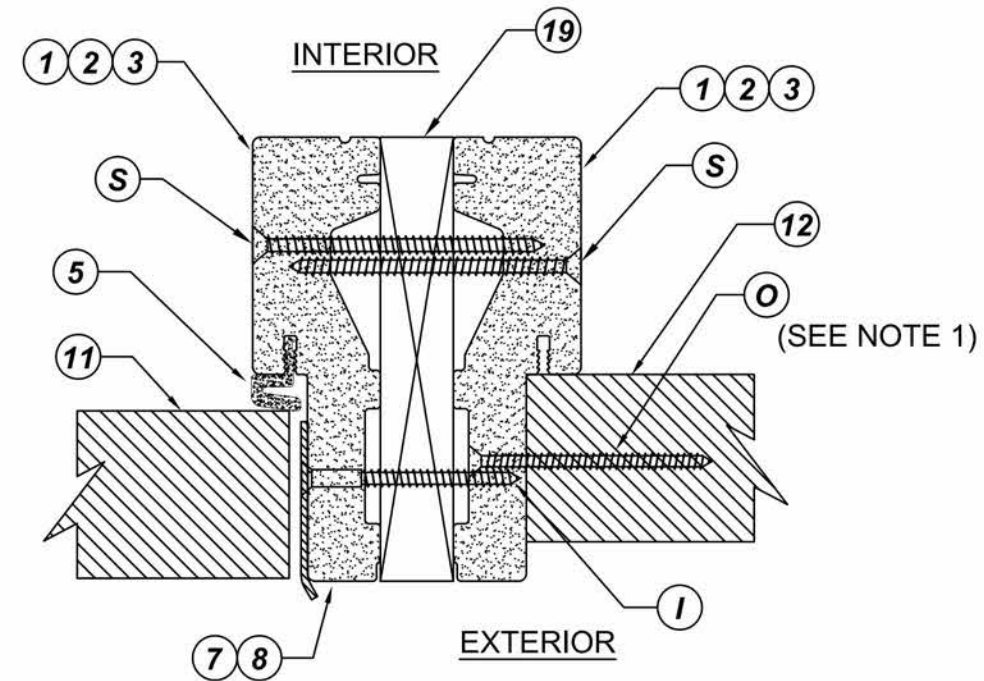


(SEE NOTE 1)

**2**  
**12** HORIZONTAL CROSS SECTION



**3**  
**12** HORIZONTAL CROSS SECTION



(SEE NOTE 1)

**4**  
**12** HORIZONTAL CROSS SECTION

**NOTE:**

1. SIDELITE SCREWS LOCATED 6" FROM EACH END OF SIDE JAMB AND 3 EQUALLY SPACED SCREWS FROM THE END SCREWS.

**REVISIONS**

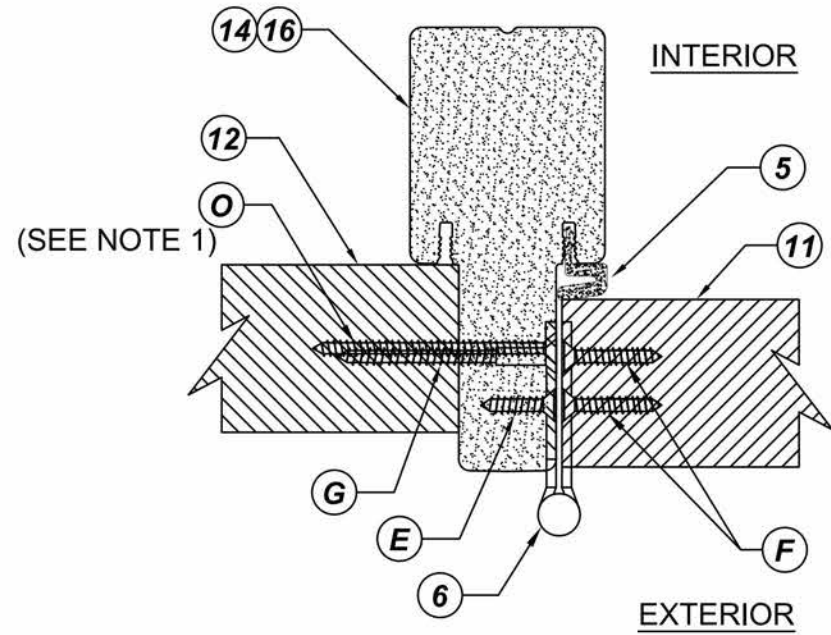
NO.	DESCRIPTION	BY	DATE



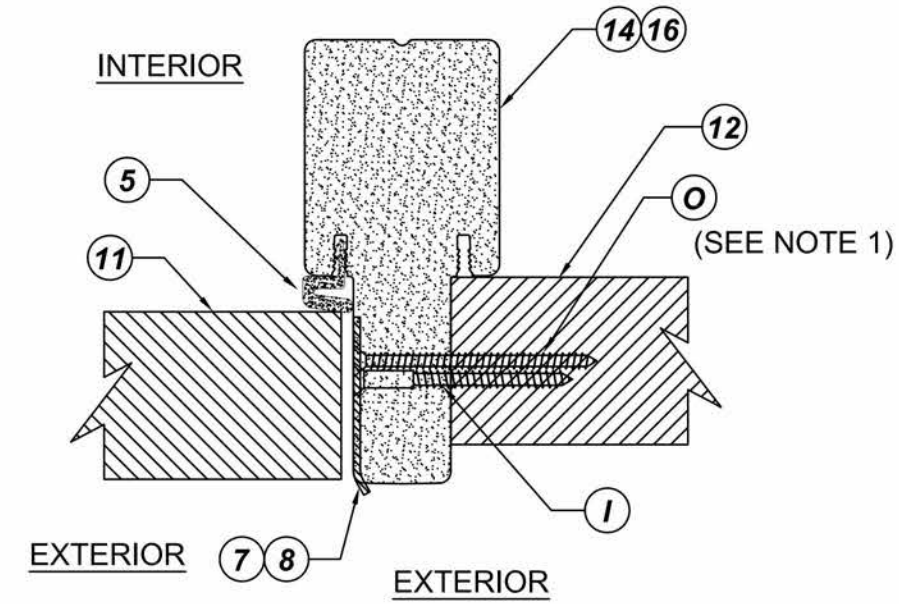
DATE:	DWN BY:	CHK BY:	SCALE:
07.14.16	LS	HFN	NTS

DWG #: **FL-20867.2**

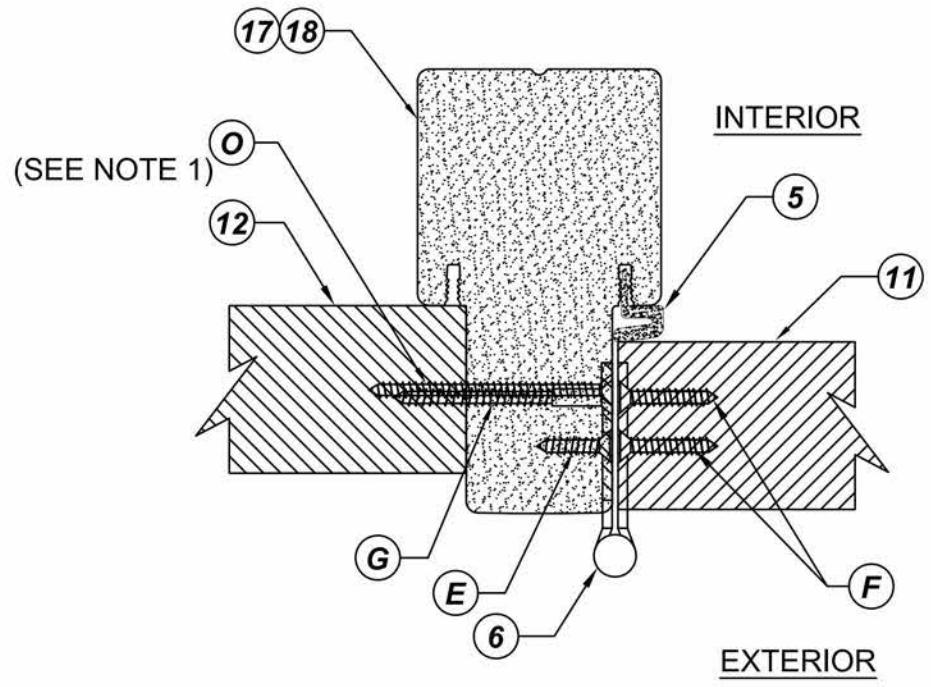
SHEET: **12 OF 29**



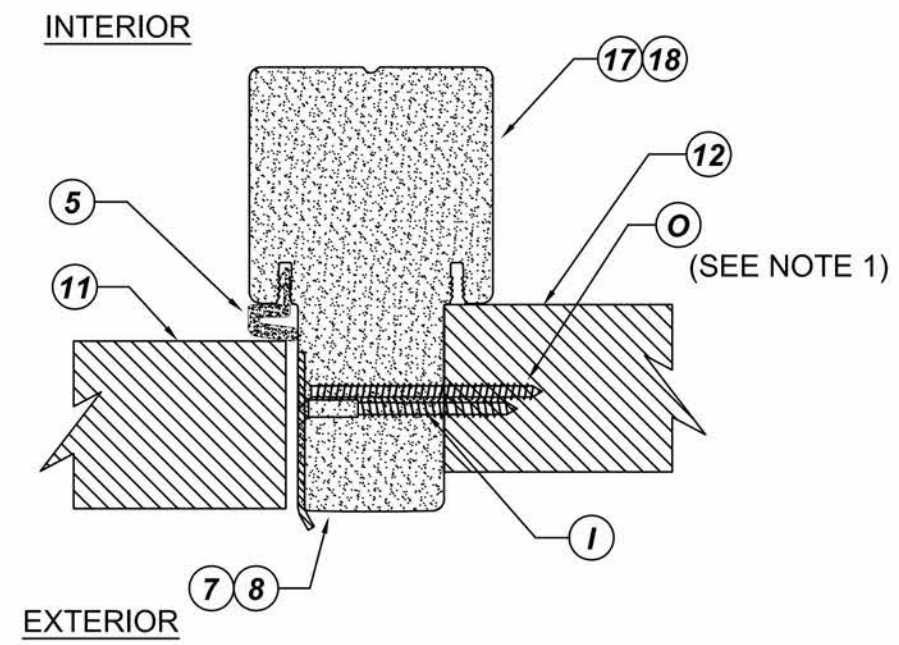
**1**  
**13** HORIZONTAL CROSS SECTION



**2**  
**13** HORIZONTAL CROSS SECTION



**3**  
**13** HORIZONTAL CROSS SECTION



**4**  
**13** HORIZONTAL CROSS SECTION

**NOTE:**  
1. SIDELITE SCREWS LOCATED 6" FROM EACH END OF SIDE JAMB AND 3 EQUALLY SPACED SCREWS FROM THE END SCREWS.

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
**HORIZONTAL  
CROSS SECTIONS**  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #3338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

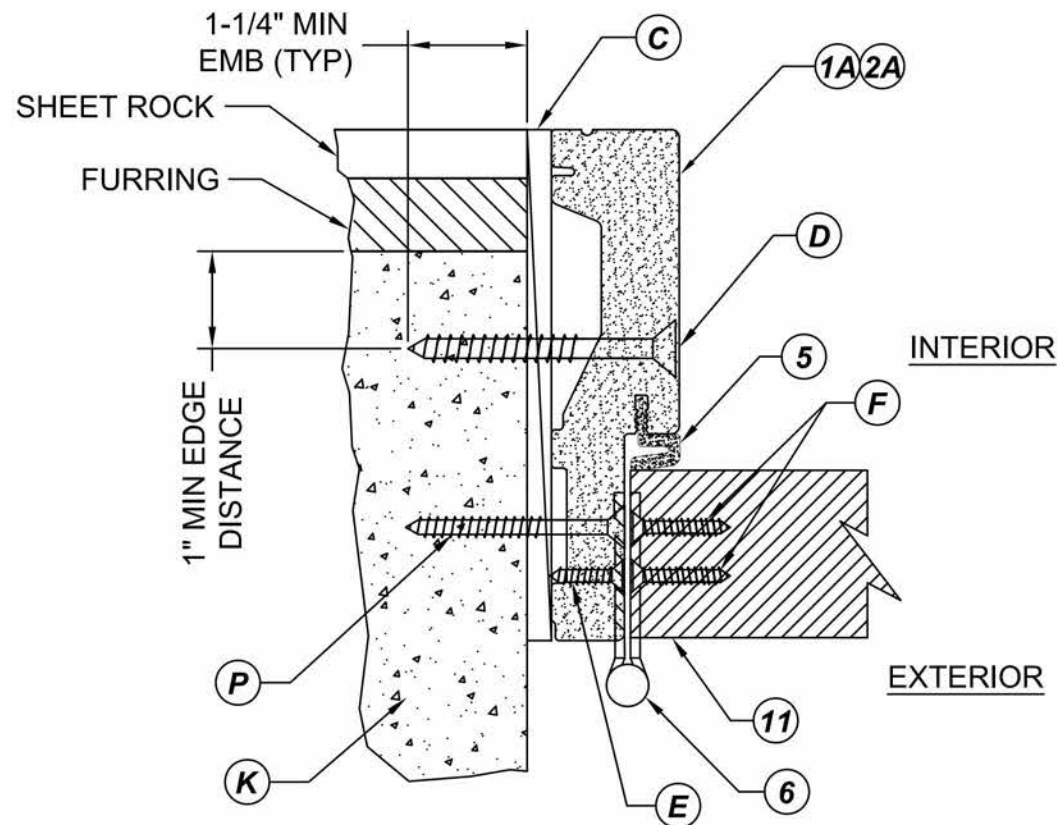
NO.	DESCRIPTION	BY	DATE



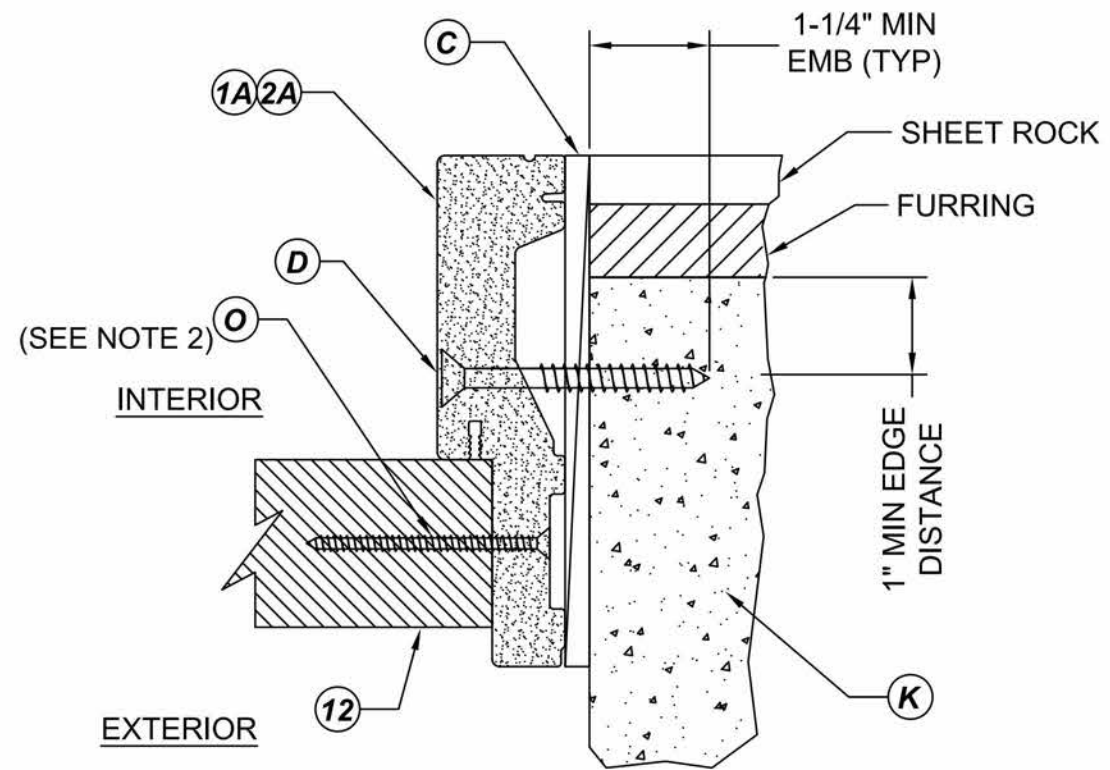
DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**  
SHEET: **13 OF 29**

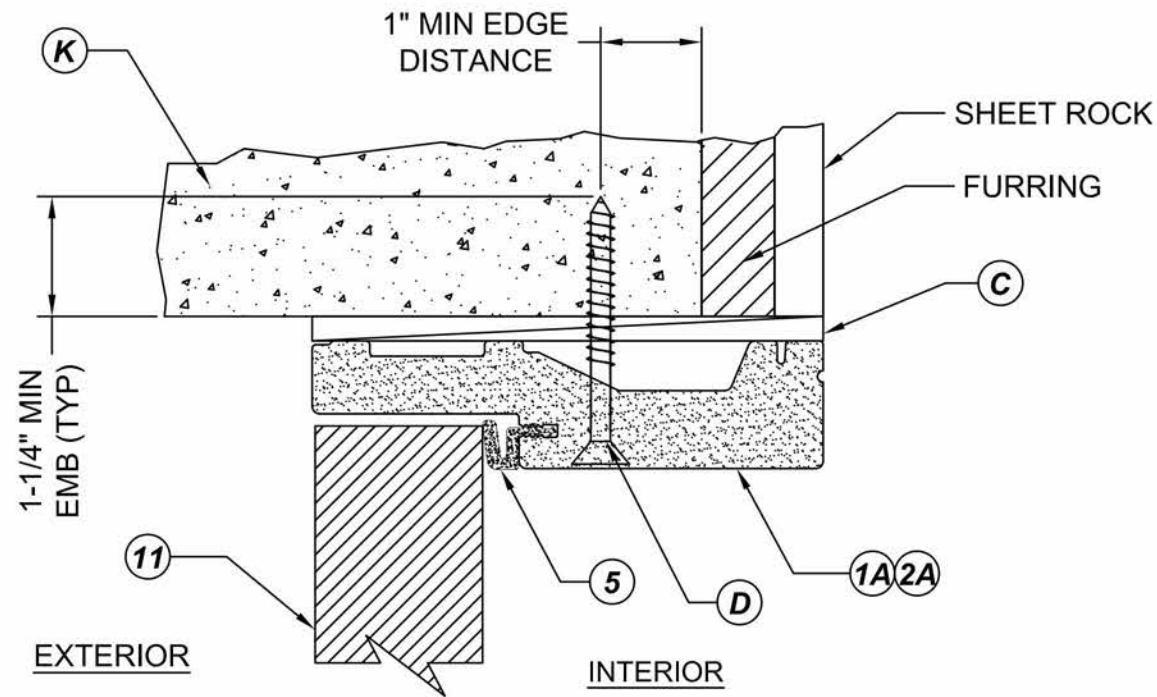
TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
**HORIZONTAL & VERTICAL  
CROSS SECTIONS**  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



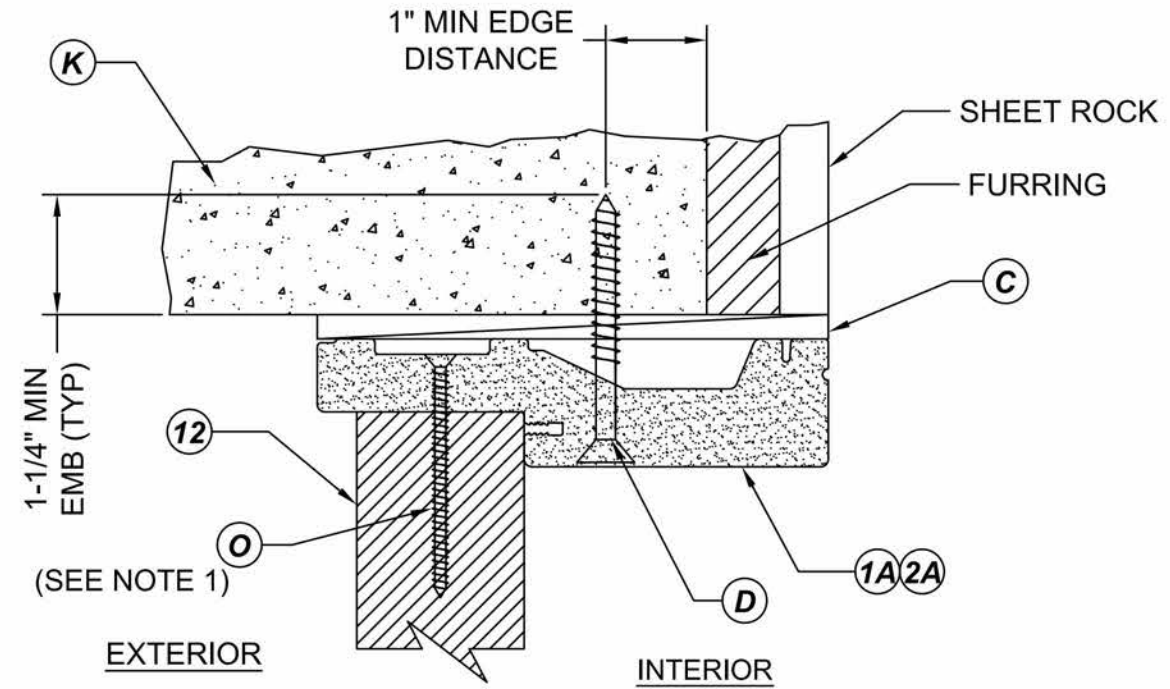
**1**  
**14** **HORIZONTAL CROSS SECTION**  
Direct to masonry  
(5-1/4" min jamb)



**2**  
**14** **HORIZONTAL CROSS SECTION**  
Direct to masonry  
(5-1/4" min jamb)



**3**  
**14** **VERTICAL CROSS SECTION**  
Direct to masonry  
(5-1/4" min jamb)



**4**  
**14** **VERTICAL CROSS SECTION**  
Direct to masonry  
(5-1/4" min jamb)

**NOTE:**

- SCREWS THRU HEAD JAMB AND SILL. EACH SCREWS LOCATED 1/3 DISTANCE OF SIDELITE PANEL WIDTH FROM EACH ENDS.
- SIDELITE SCREWS LOCATED 6" FROM EACH END OF MULLION AND 3 EQUALLY SPACED SCREWS FROM THE END SCREWS.

**REVISIONS**

NO.	DESCRIPTION	BY	DATE



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**

SHEET: **14 OF 29**

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
**HORIZONTAL  
CROSS SECTIONS**  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

**REVISIONS**

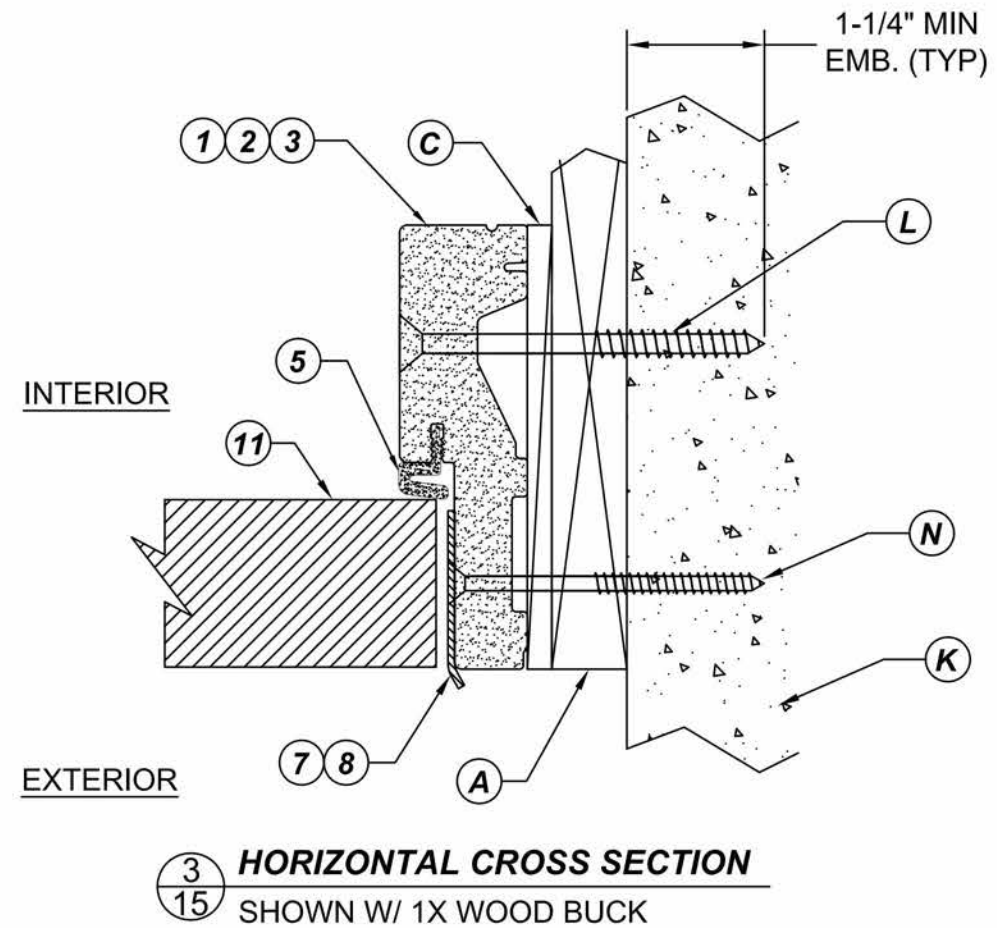
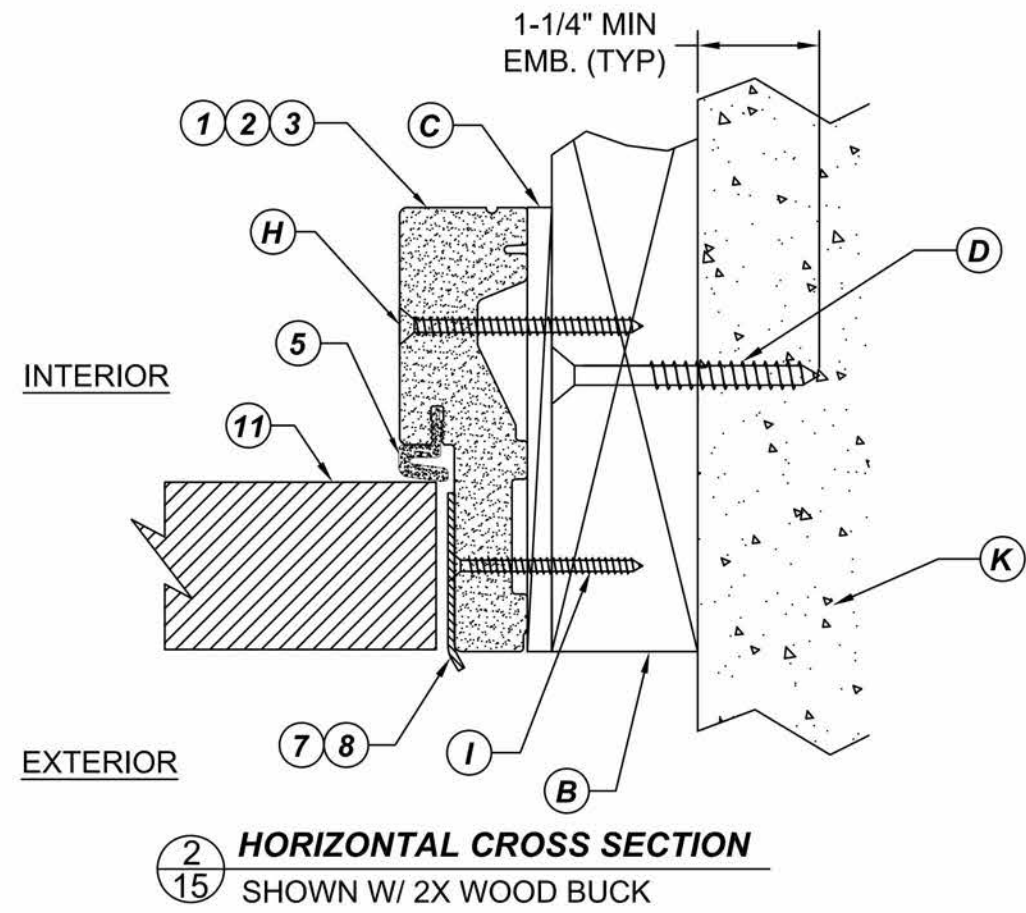
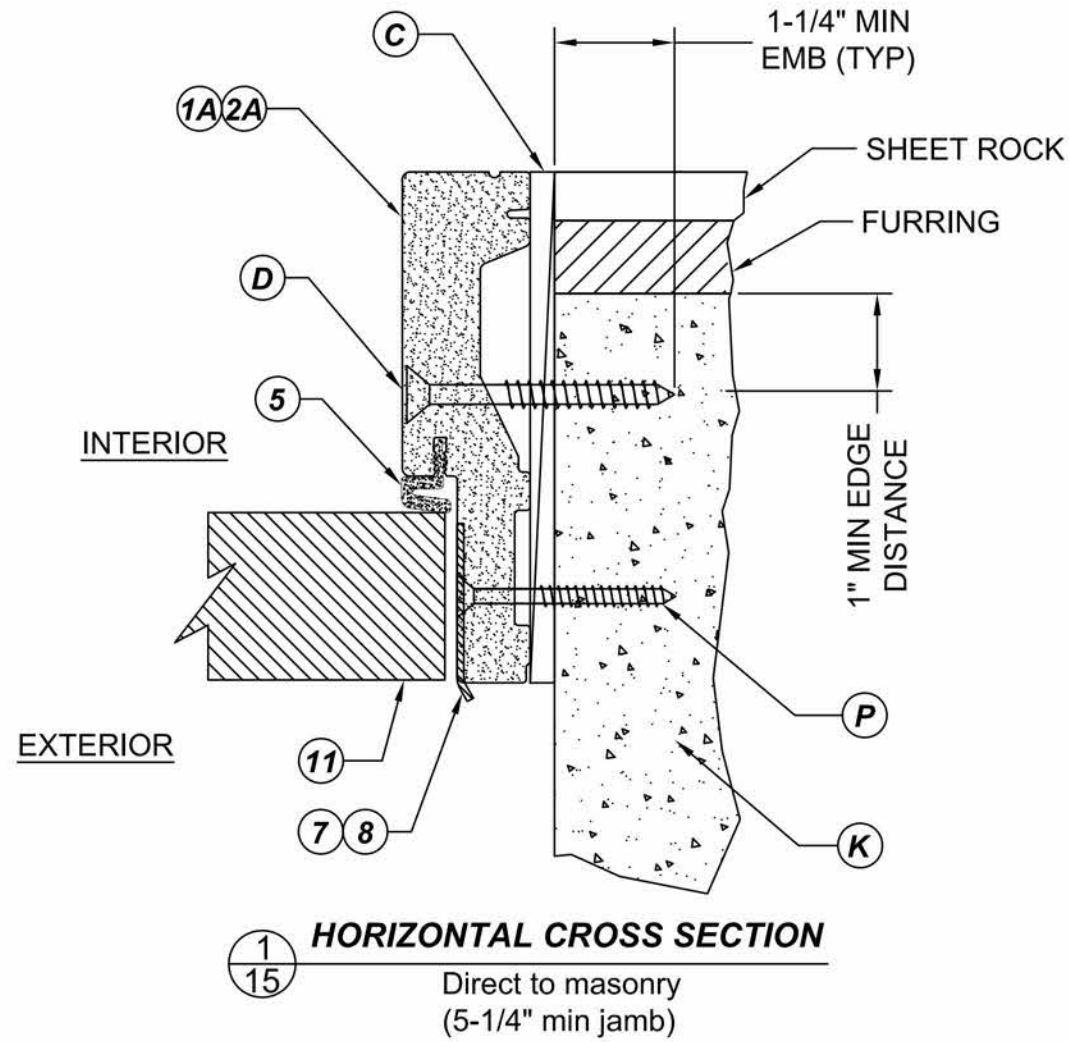
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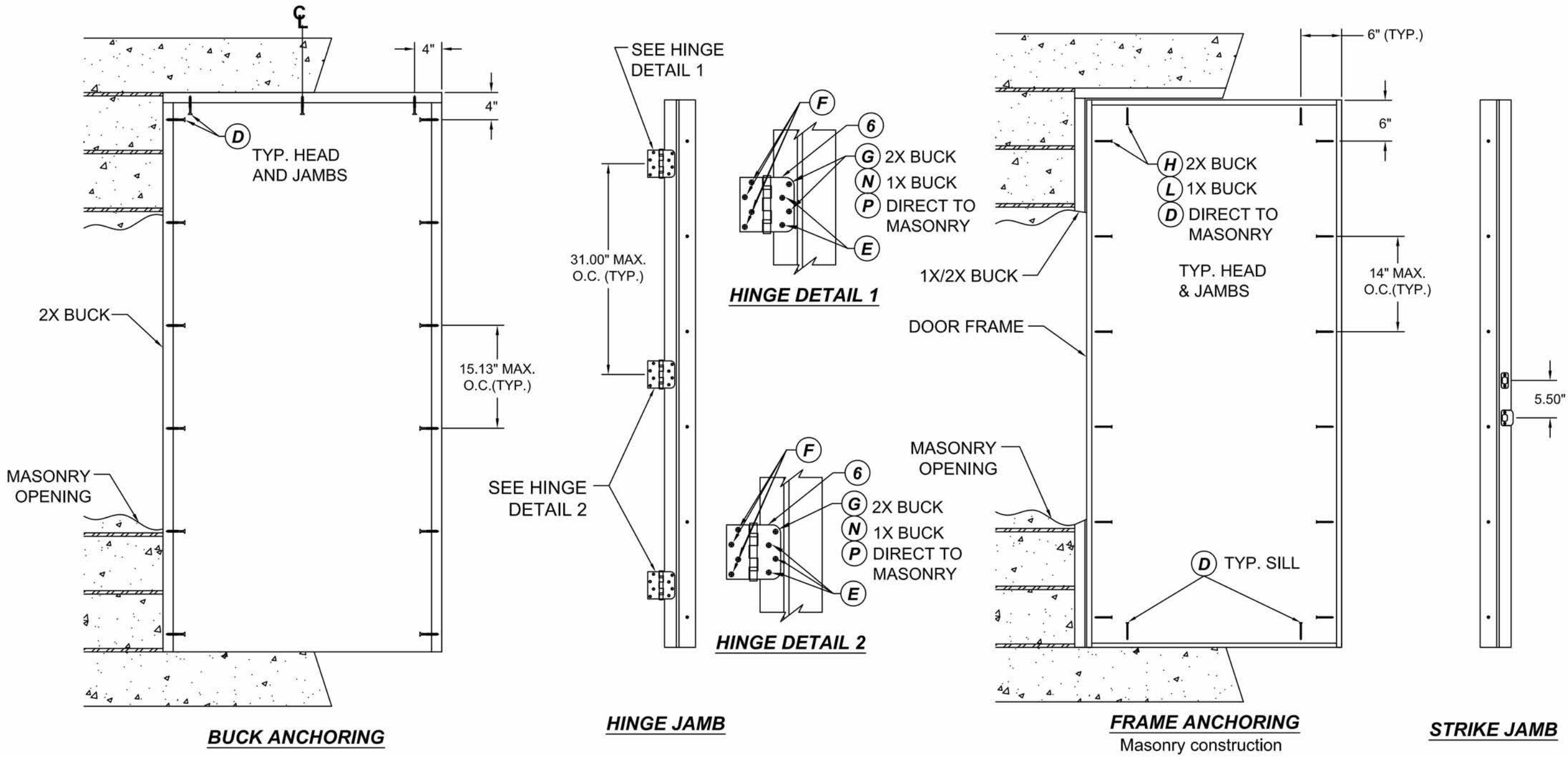
DATE:	07.14.16
DWN BY:	LS
CHK BY:	LFN
SCALE:	NTS

DWG #:  
**FL-20867.2**

SHEET: **15 OF 29**



TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
**BUCK & FRAME ANCHORING**  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



**REVISIONS**

NO.	DESCRIPTION	BY DATE	
		BY	DATE

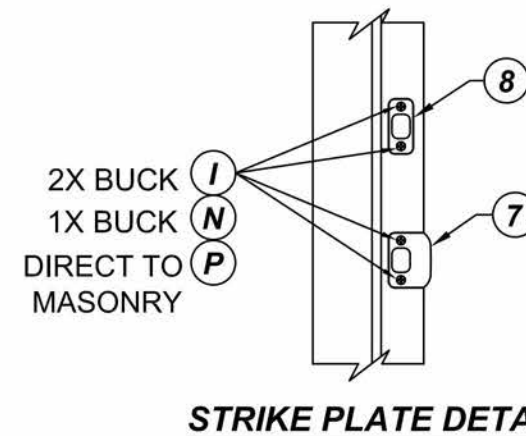
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN CLEARANCE TO ADJUSTMENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRAICON®	1/4"	1-1/4"	1"	4"
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"

**WOOD SCREW INSTALLATION NOTES:**

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



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

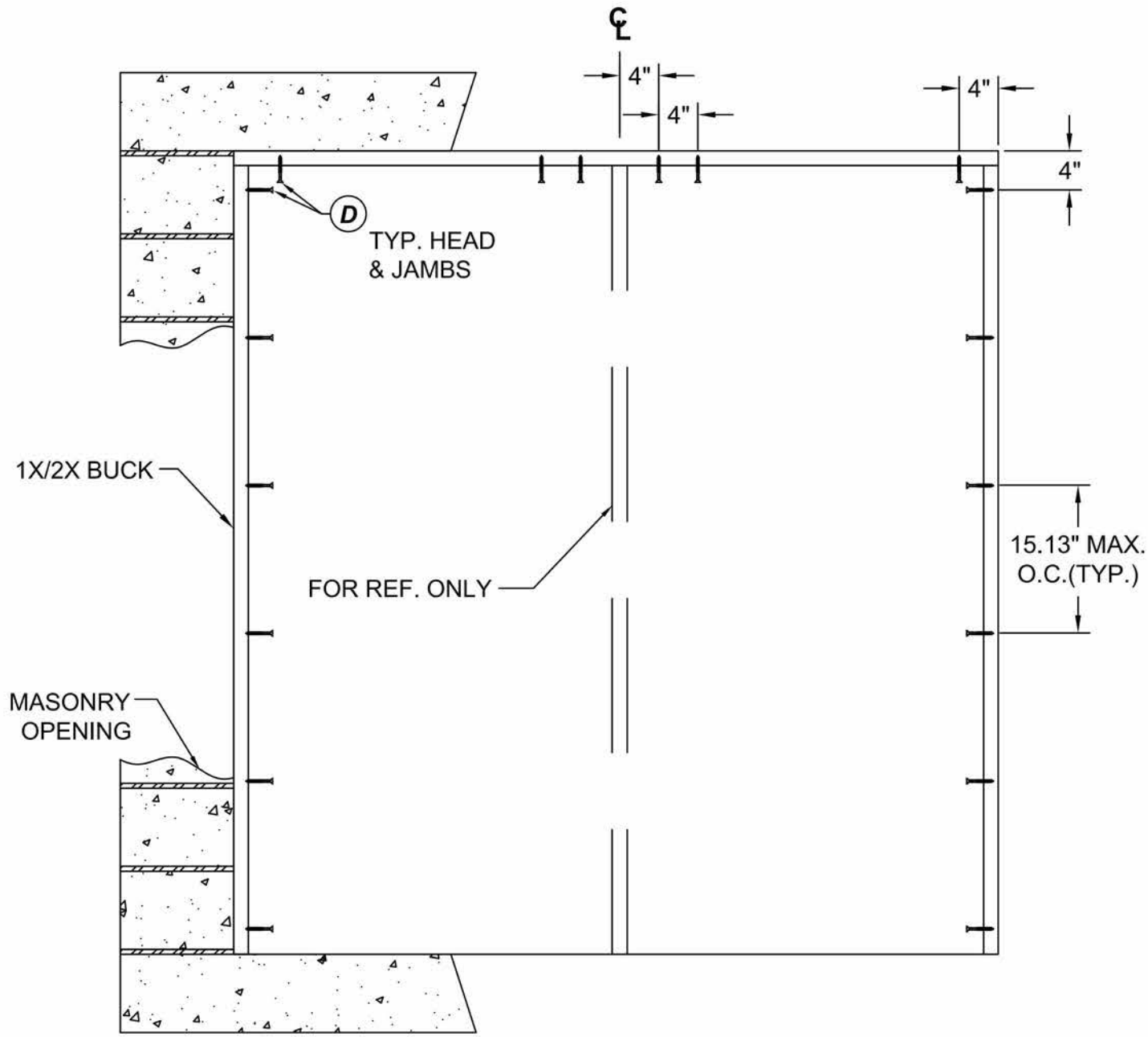
DWG #: **FL-20867.2**  
SHEET: **16 OF 29**



TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

BUCK ANCHORING

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



**BUCK ANCHORING**

**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.
- Concrete anchor table:

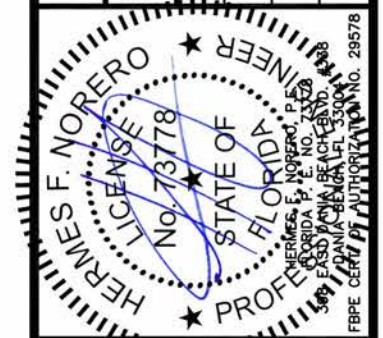
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN CLEARANCE TO ADJUSTMENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"

**WOOD SCREW INSTALLATION NOTES:**

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

**FOR XO, OX & XX CONFIGURATIONS**

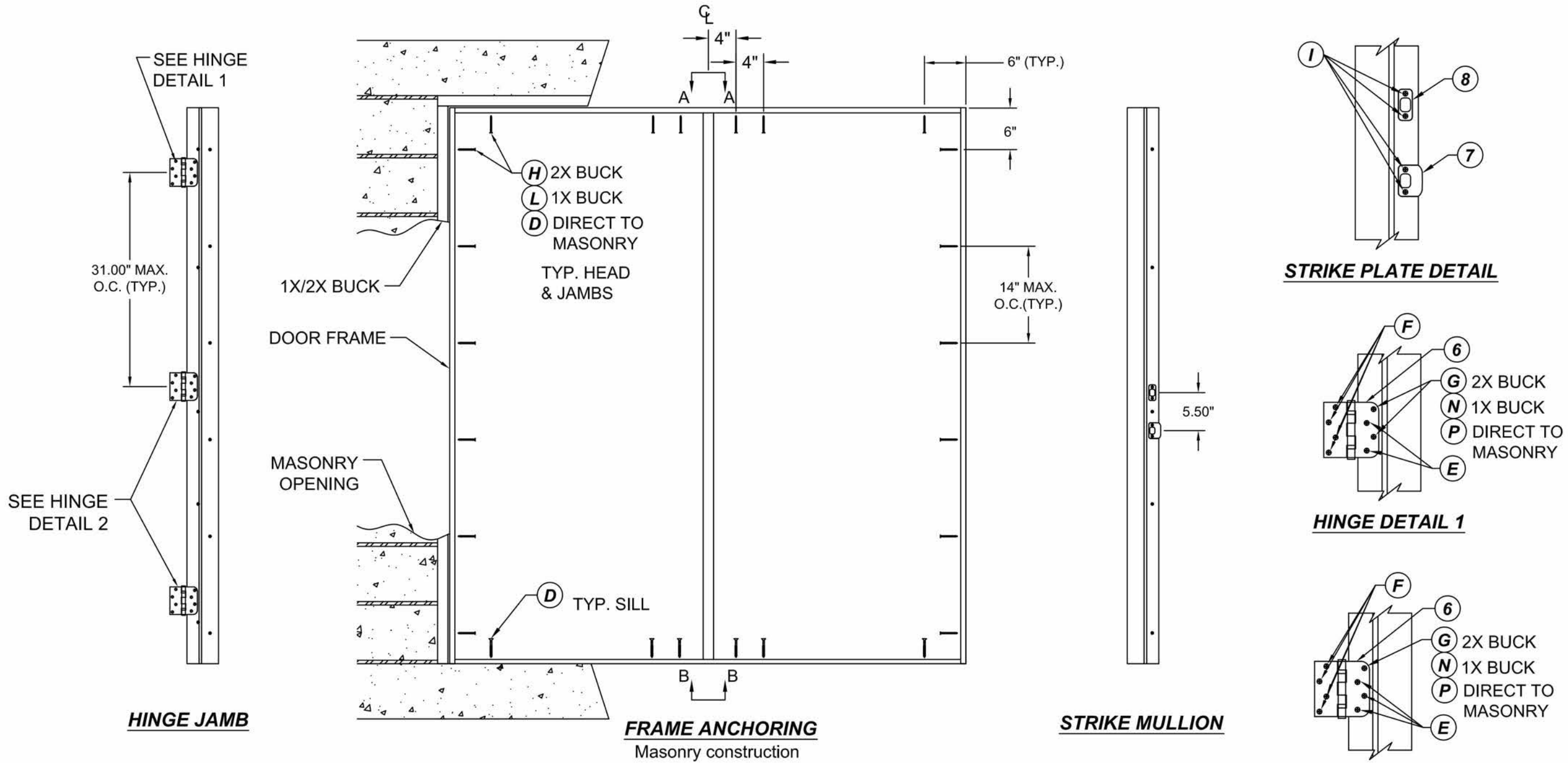
NO.	REVISIONS	DESCRIPTION	BY	DATE



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**

SHEET: **17 OF 29**



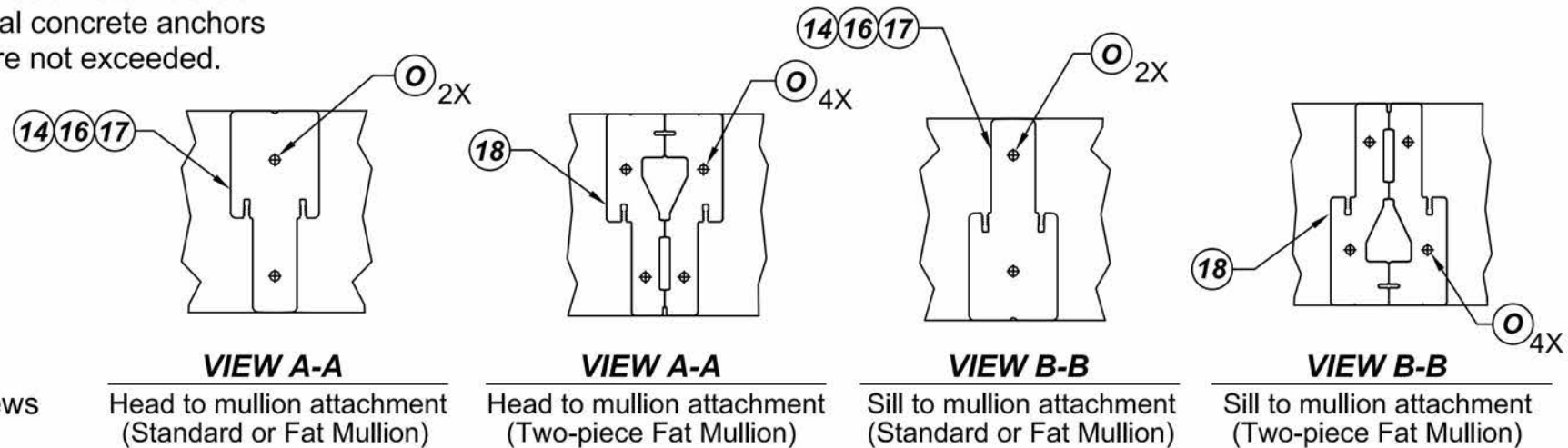
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.

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

**WOOD SCREW INSTALLATION NOTES:**

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



**REVISIONS**

NO.	DESCRIPTION	BY	DATE

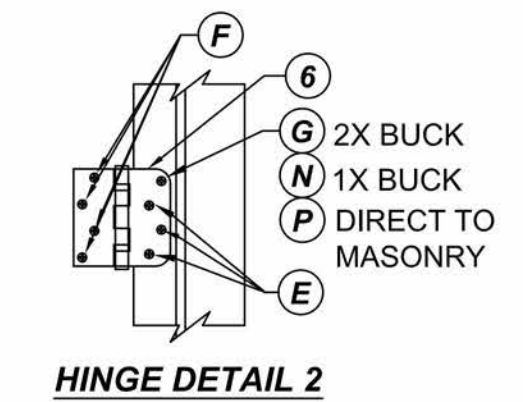
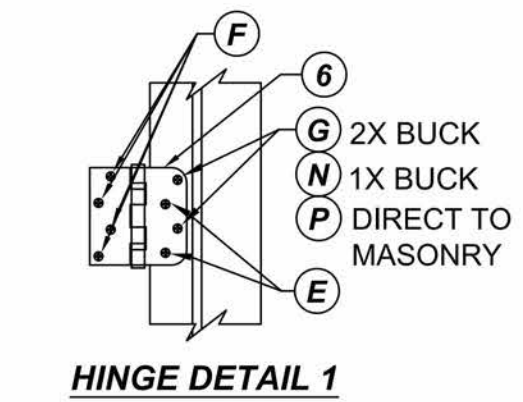
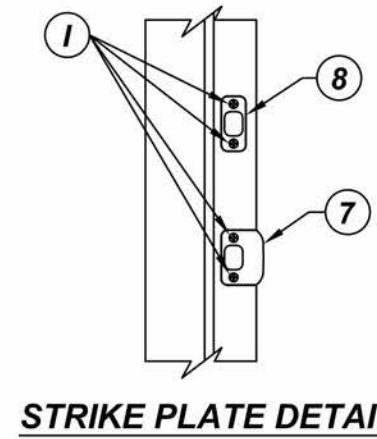
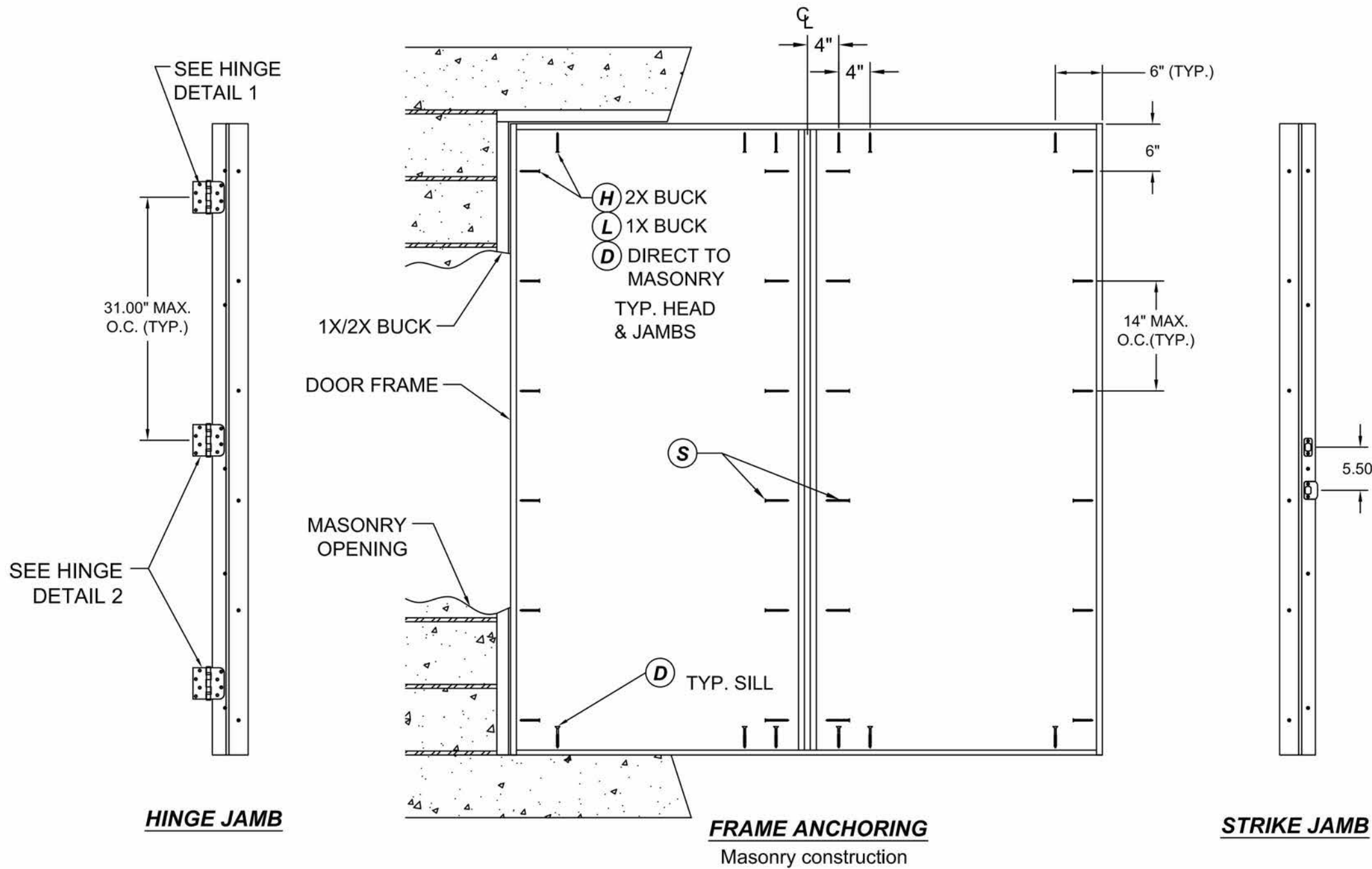


DATE: 07.14.16	DWN BY: LS	CHK BY: HFN	SCALE: NTS
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TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

FRAME ANCHORING

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



**REVISIONS**

NO.	DESCRIPTION	BY	DATE

**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.
- Concrete anchor table:

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

**WOOD SCREW INSTALLATION NOTES:**

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



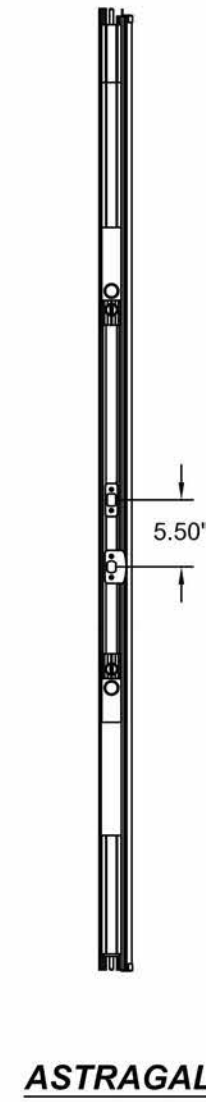
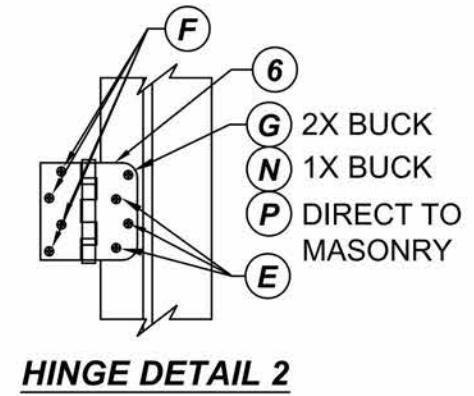
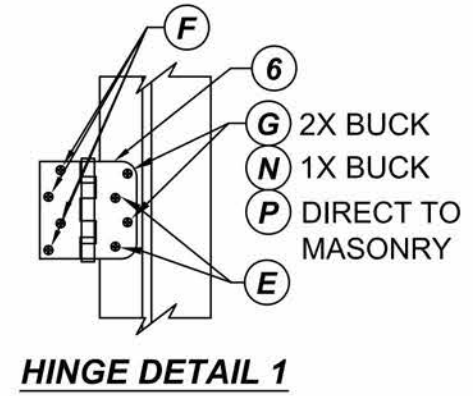
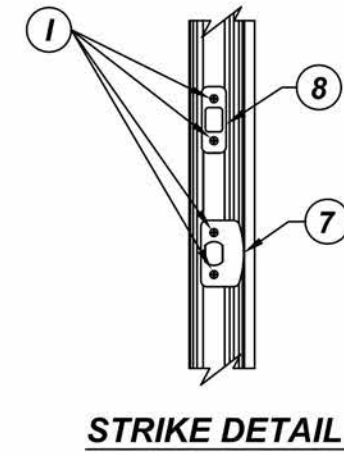
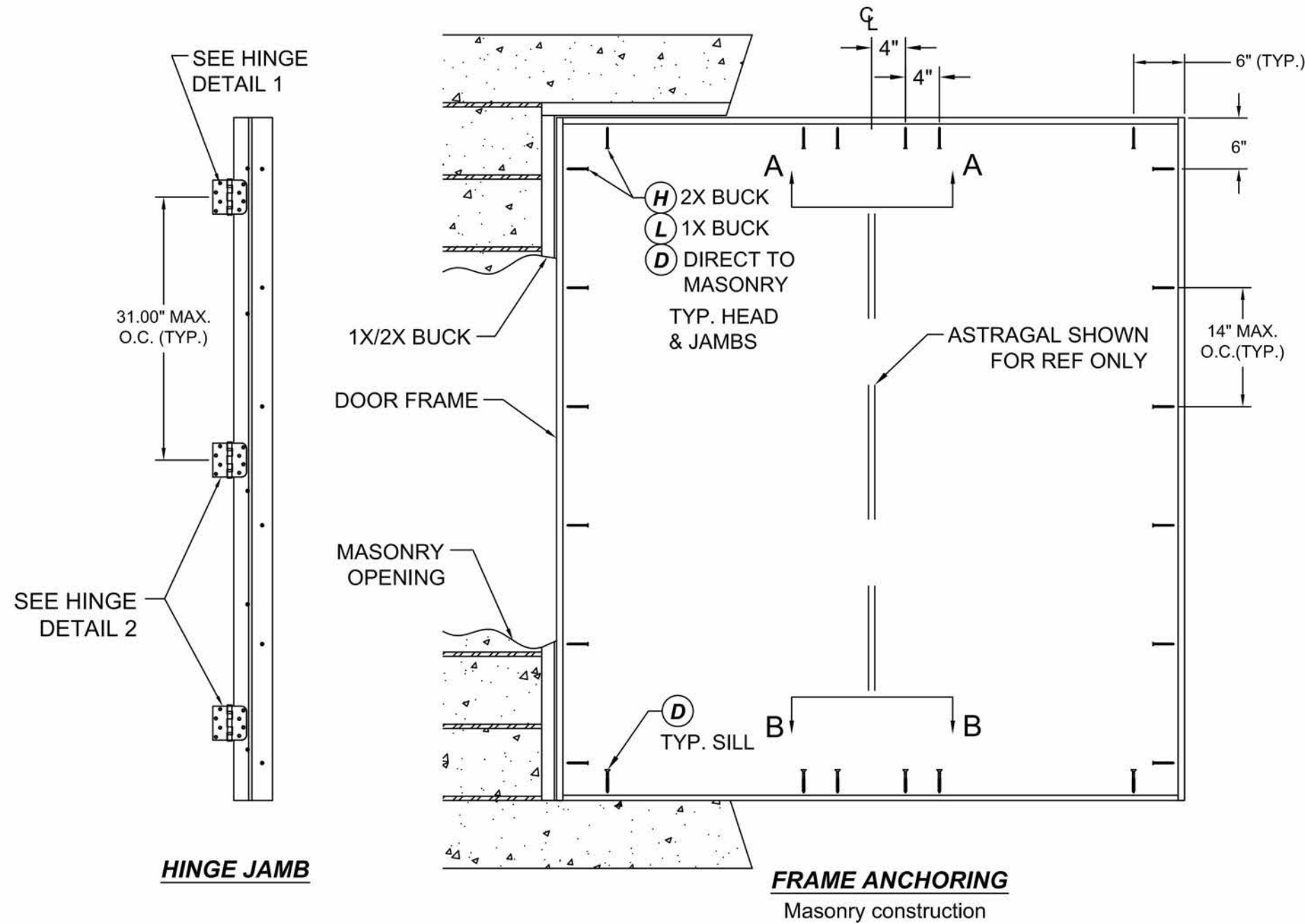
DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**  
SHEET: **19 OF 29**

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

FRAME ANCHORING

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



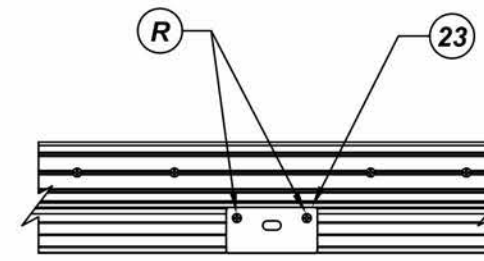
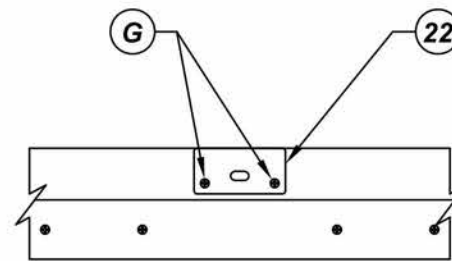
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.

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

**WOOD SCREW INSTALLATION NOTES:**

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



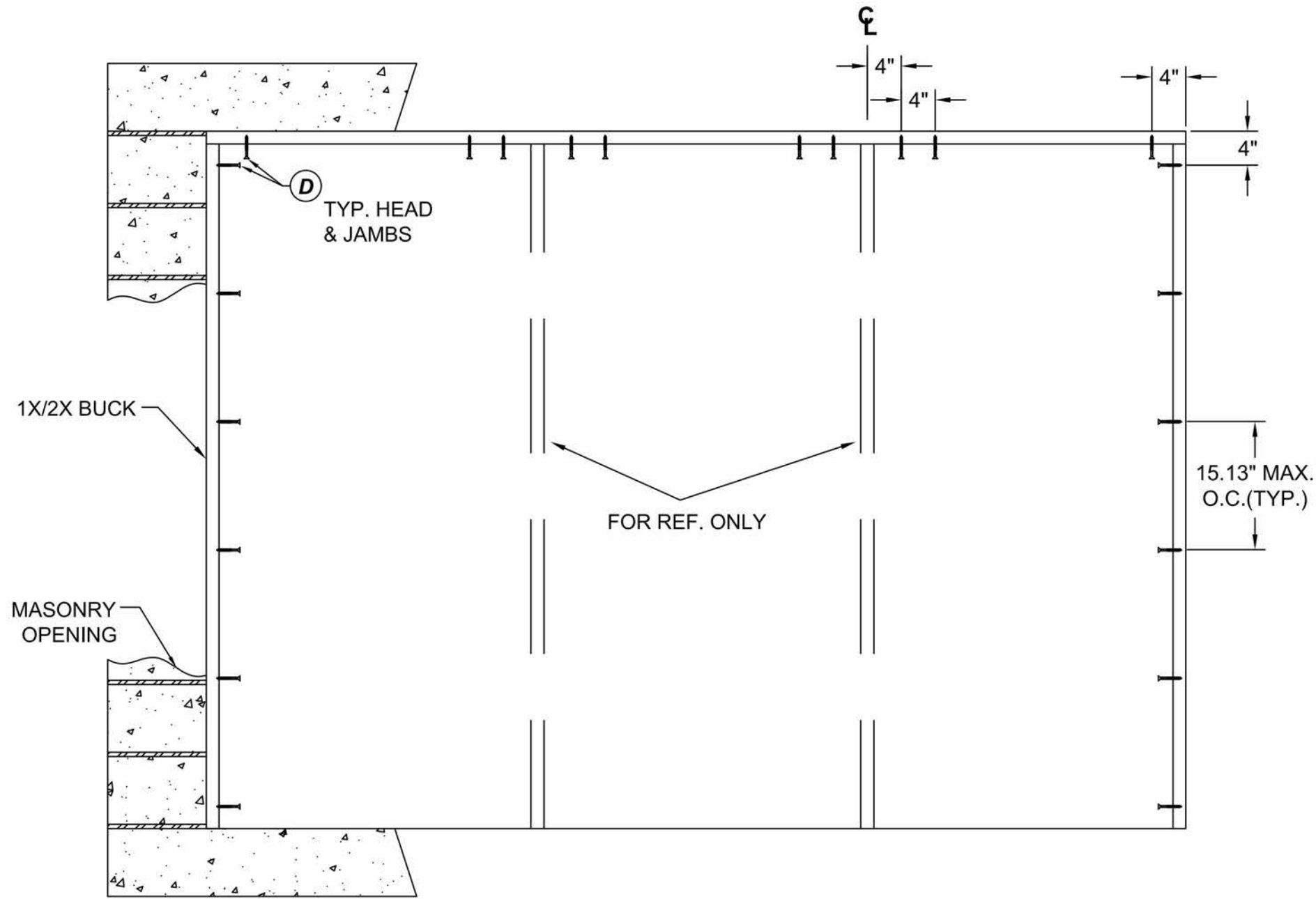
**REVISIONS**

NO.	DESCRIPTION	BY	DATE



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**  
SHEET: **20 OF 29**



**BUCK ANCHORING**

**FOR OXO CONFIGURATIONS**

**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.
- Concrete anchor table:

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

**WOOD SCREW INSTALLATION NOTES:**

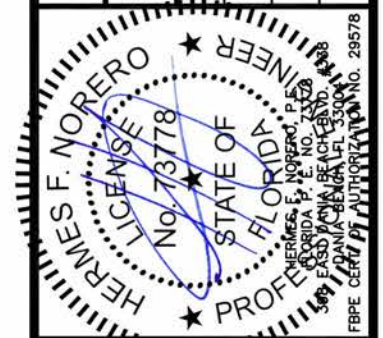
- Maintain a min. 5/8" edge distance, & 1" o.c. spacing of wood screws to prevent splitting of wood.

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

**BUCK ANCHORING**

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

NO.	REVISIONS DESCRIPTION	BY	DATE



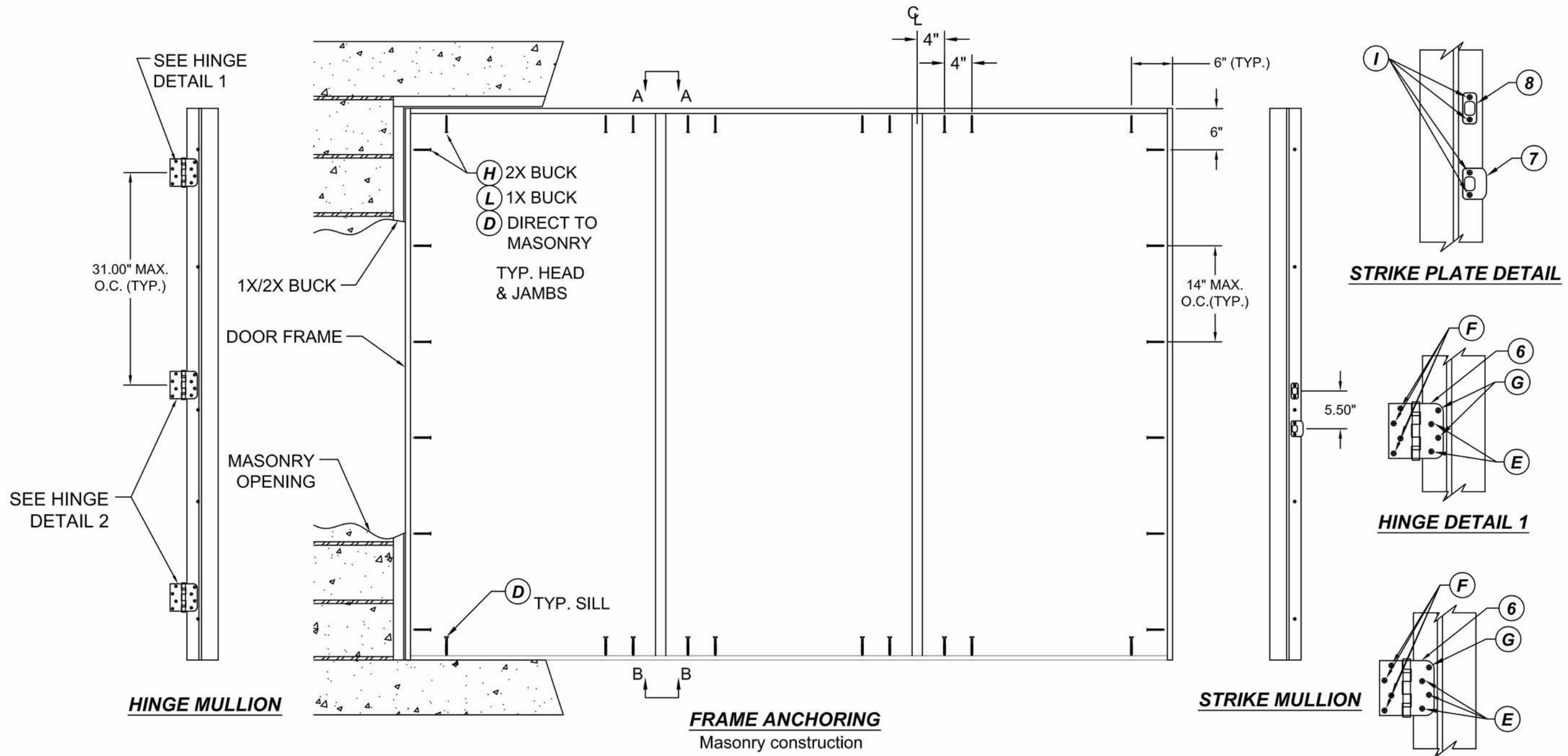
DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #:  
**FL-20867.2**  
SHEET: **21 OF 29**

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

FRAME ANCHORING

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



**STRIKE PLATE DETAIL**

**HINGE DETAIL 1**

**HINGE DETAIL 2**

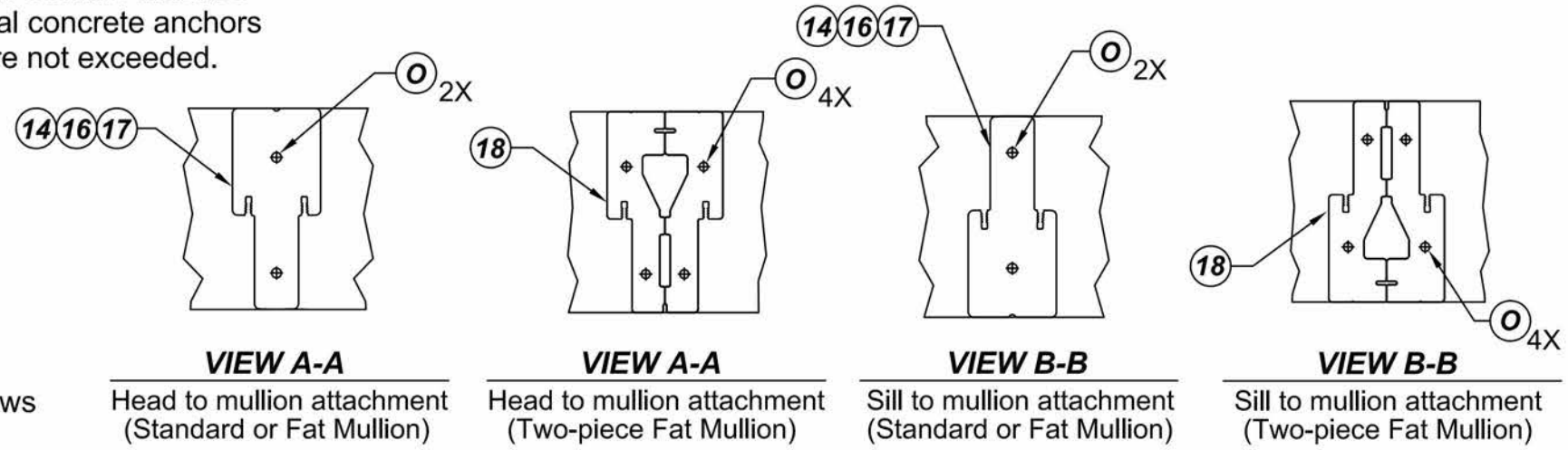
**CONCRETE ANCHOR NOTES:**

1. Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.

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

**WOOD SCREW INSTALLATION NOTES:**

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



**REVISIONS**

NO.	DESCRIPTION	BY	DATE



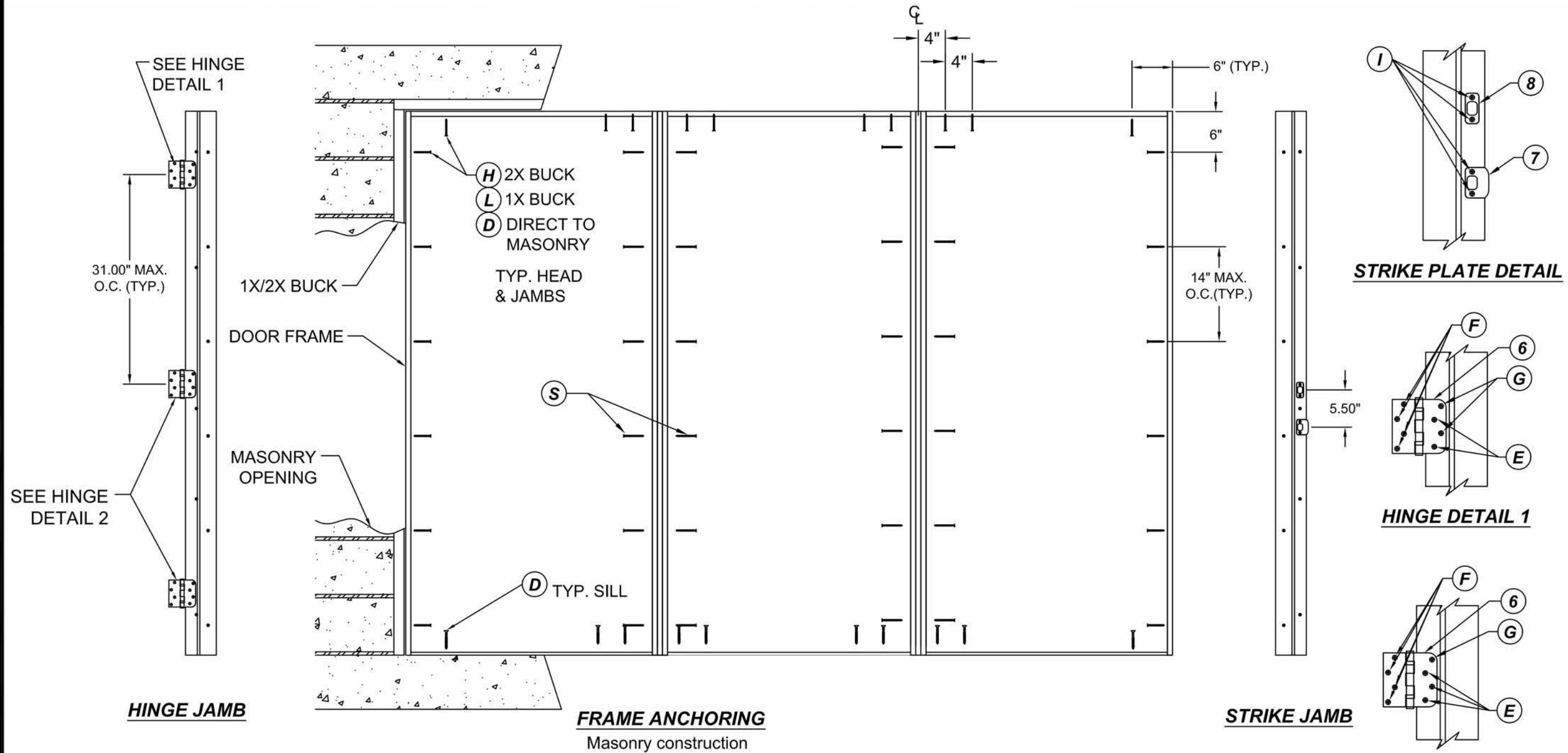
DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**  
SHEET: **22 OF 29**

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

FRAME ANCHORING

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #3338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.

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

**WOOD SCREW INSTALLATION NOTES:**

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

**REVISIONS**

NO.	DESCRIPTION	BY	DATE



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**  
SHEET: **23 OF 29**

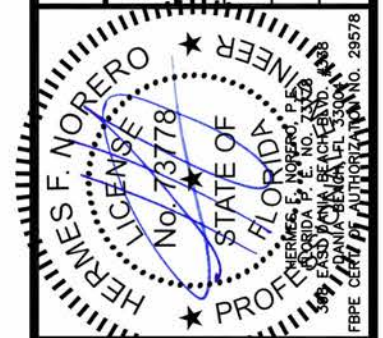
TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

BUCK ANCHORING

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738

**REVISIONS**

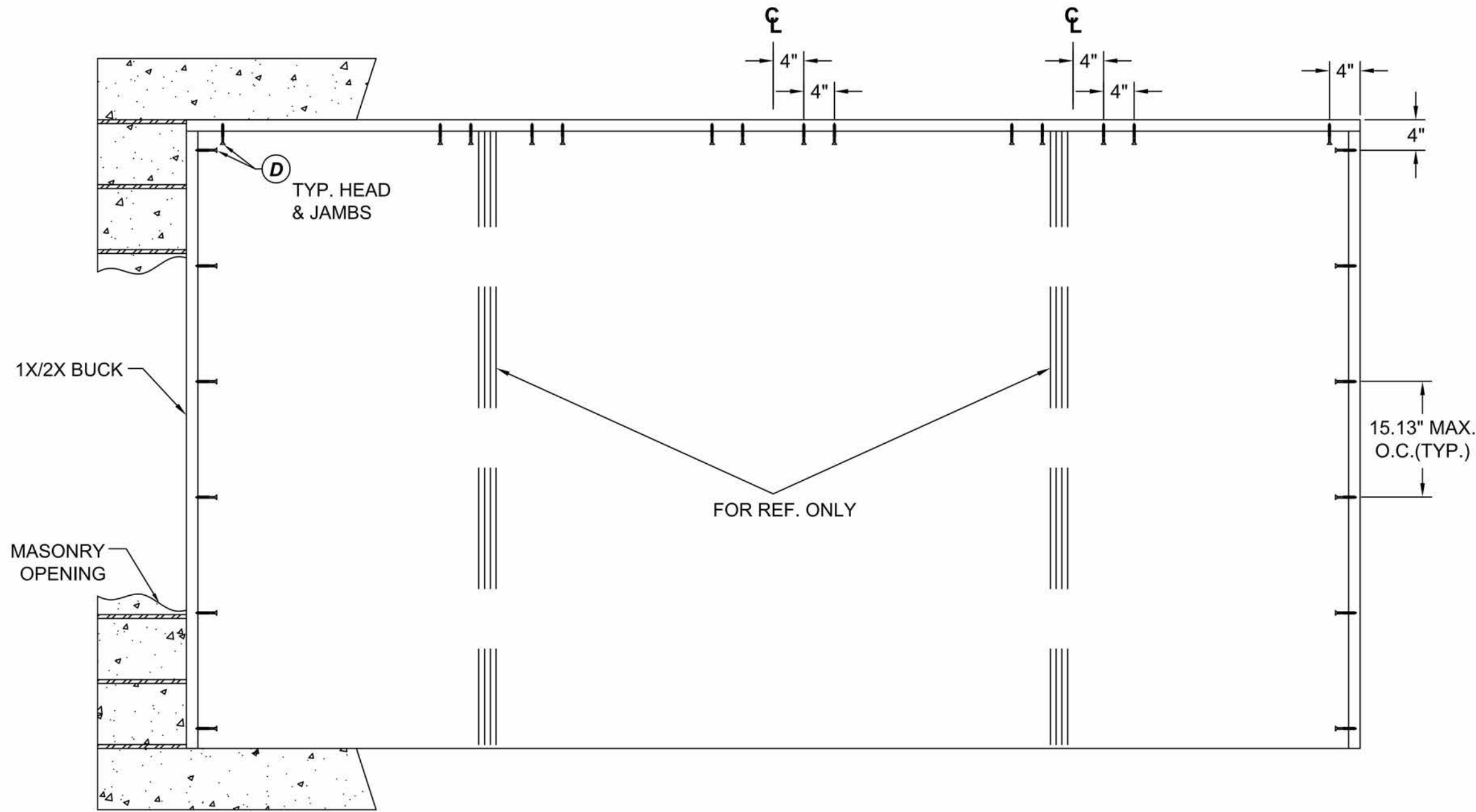
NO.	DESCRIPTION	BY	DATE



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

DWG #: **FL-20867.2**

SHEET: **24 OF 29**



**BUCK ANCHORING**

**FOR OXXO CONFIGURATIONS**

**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.
- Concrete anchor table:

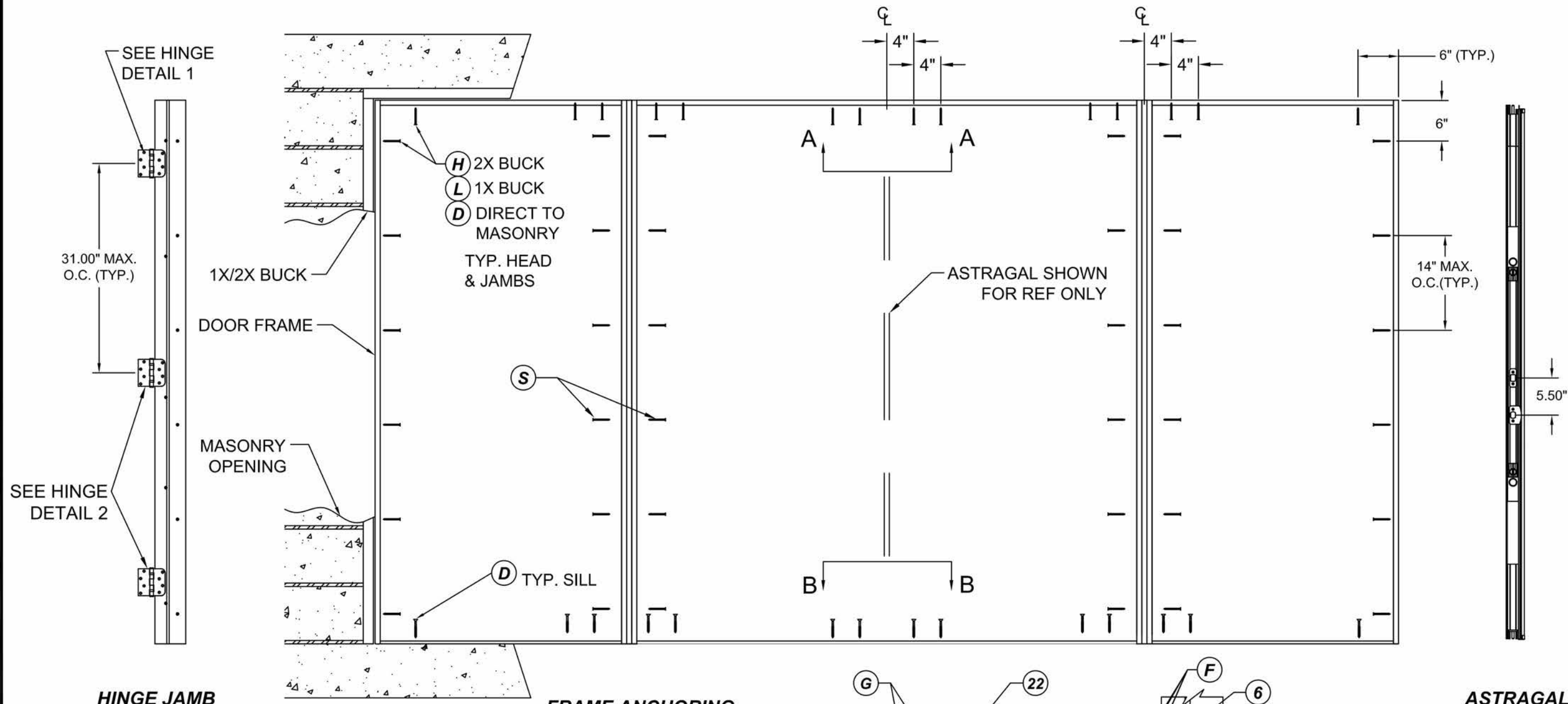
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ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"

**WOOD SCREW INSTALLATION NOTES:**

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



TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
FRAME ANCHORING  
PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
PH: (954) 399-8478 FX: (954) 744-4738



**HINGE JAMB**

**FRAME ANCHORING**  
Masonry construction

**ASTRAGAL**

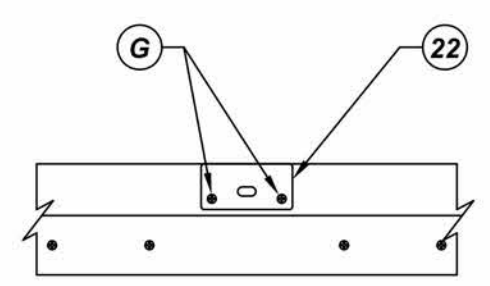
**CONCRETE ANCHOR NOTES:**

1. Concrete anchor locations noted as "MAX ON CENTER" and at the corners must be adjusted to maintain min. edge distance to mortar joints. Additional concrete anchors may be required to ensure the "MAX ON CENTER" dimensions are not exceeded.

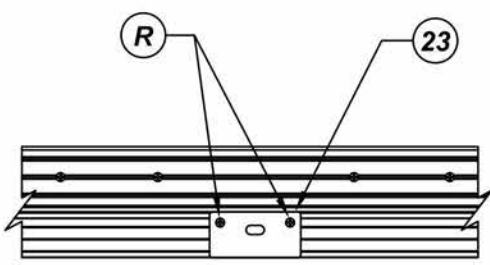
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN CLEARANCE TO ADJUSTMENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"

**WOOD SCREW INSTALLATION NOTES:**

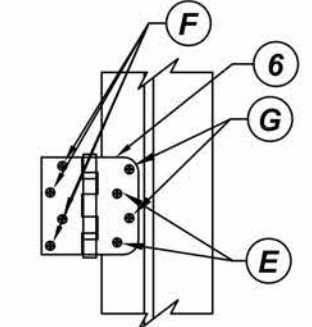
1. Maintain a min. 5/8" edge distance, & 1" o.c. spacing of wood screws to prevent splitting of wood.



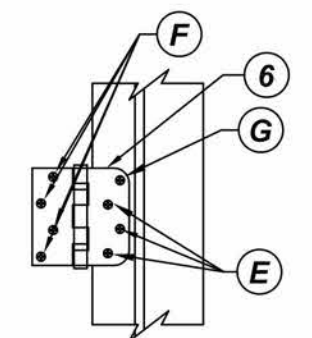
**VIEW A-A**  
Astragal Strike @ Head



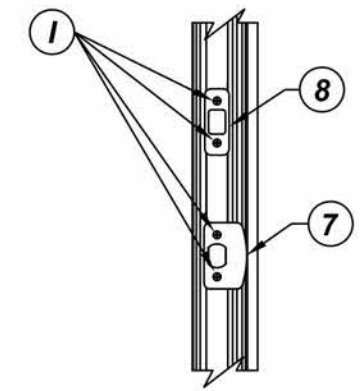
**VIEW B-B**  
Astragal Strike @ Sill



**HINGE DETAIL 1**



**HINGE DETAIL 2**



**STRIKE DETAIL 1**

**REVISIONS**

NO.	DESCRIPTION	BY	DATE



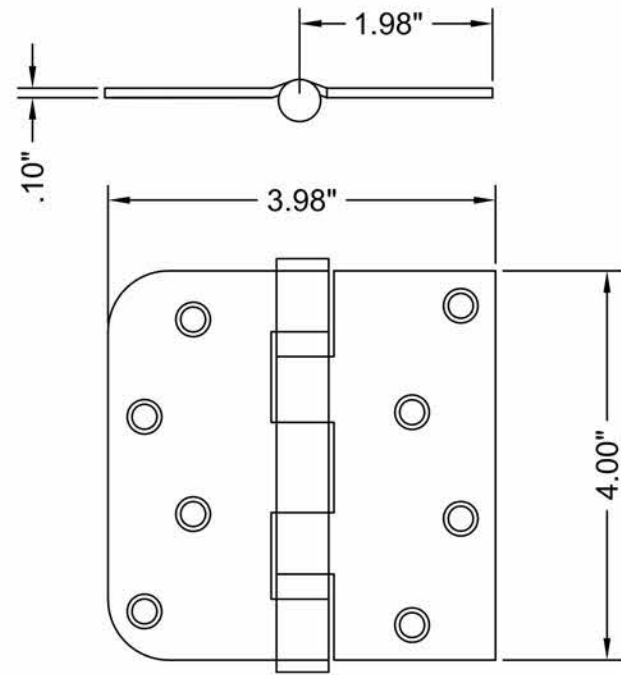
DATE:	DWN BY:	CHK BY:	SCALE:
07.14.16	LS	HFN	NTS

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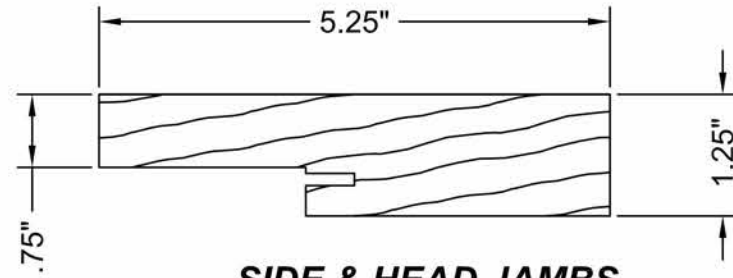
TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

COMPONENTS

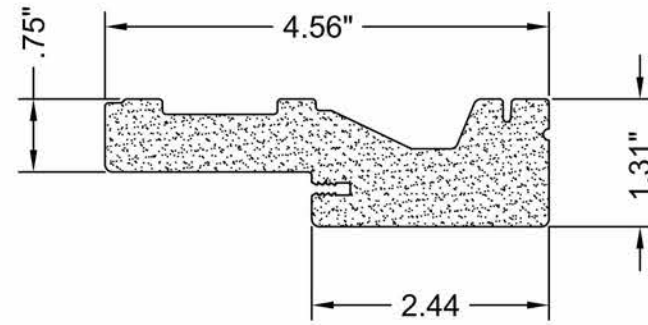
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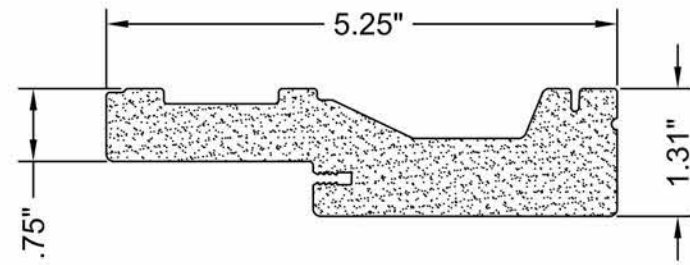
**6 HINGE**  
MATERIAL: STEEL



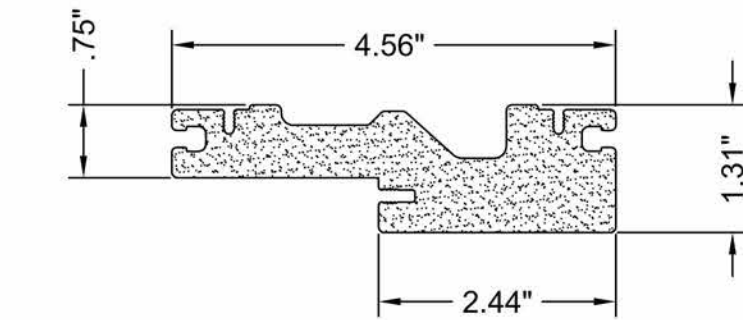
**1A SIDE & HEAD JAMBS**  
(5-1/4" or larger)  
MATERIAL: WOOD



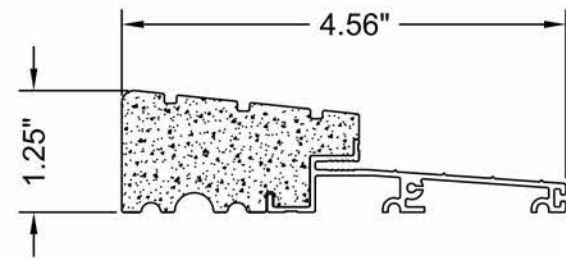
**2 SIDE & HEAD JAMBS**  
MATERIAL: PVC



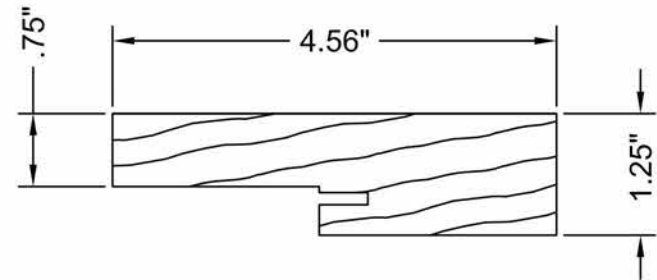
**2A SIDE & HEAD JAMBS**  
(5-1/4" or larger)  
MATERIAL: PVC



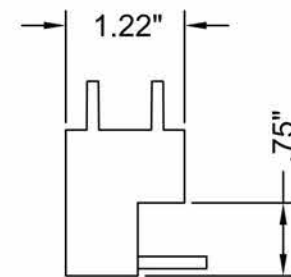
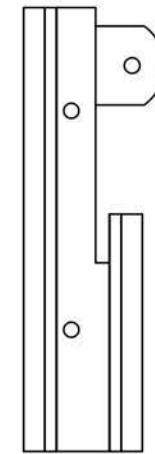
**3 SIDE & HEAD JAMBS**  
MATERIAL: PVC



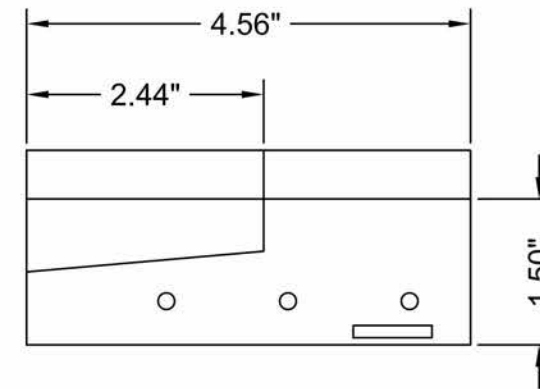
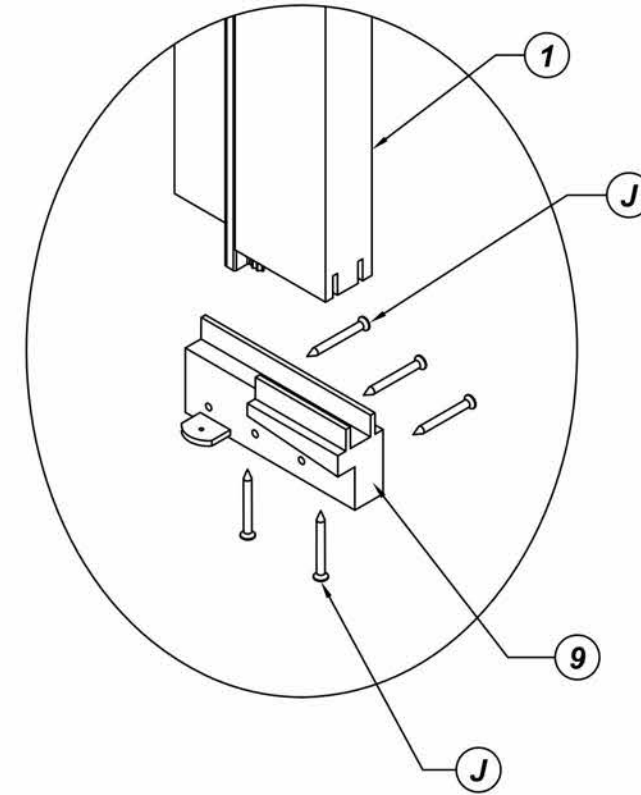
**10 OUTSWING SILL**  
ALUMINUM WITH PVC SUBSTRATE



**1 SIDE & HEAD JAMBS**  
MATERIAL: WOOD

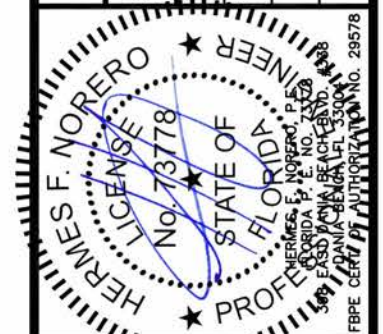


**9 SILL KEY DETAIL**  
OPTIONAL



**REVISIONS**

NO.	DESCRIPTION	BY	DATE



DATE: 07.14.16  
DWN BY: LS  
CHK BY: HFN  
SCALE: NTS

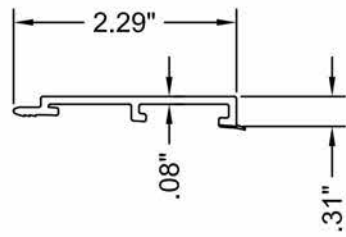
DWG #: **FL-20867.2**

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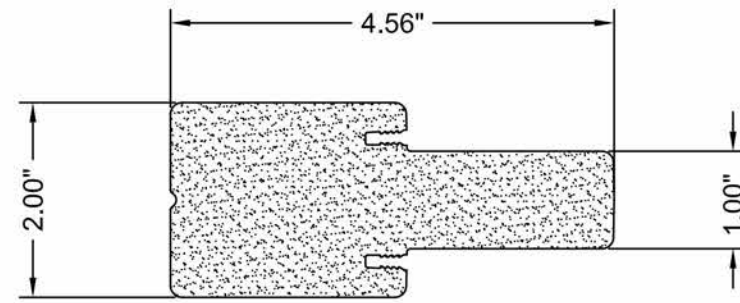
TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

COMPONENTS

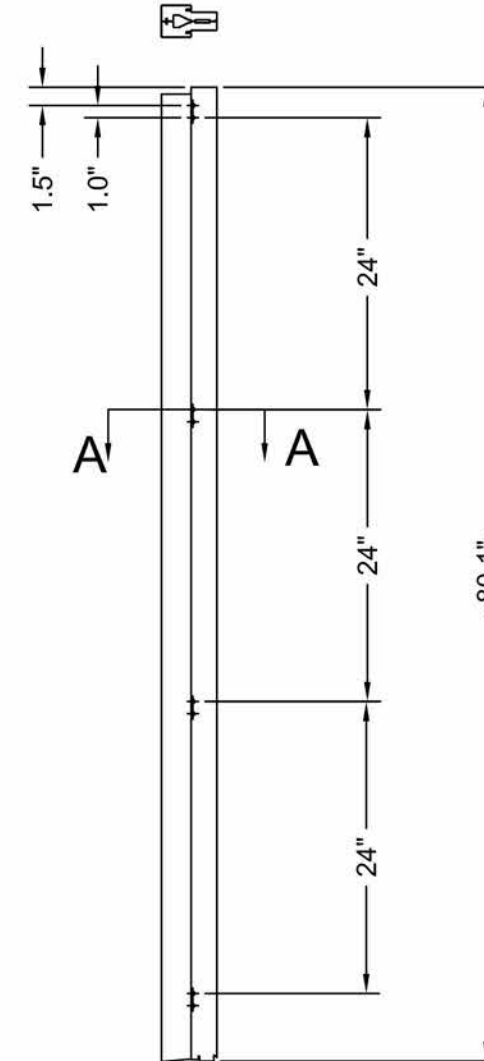
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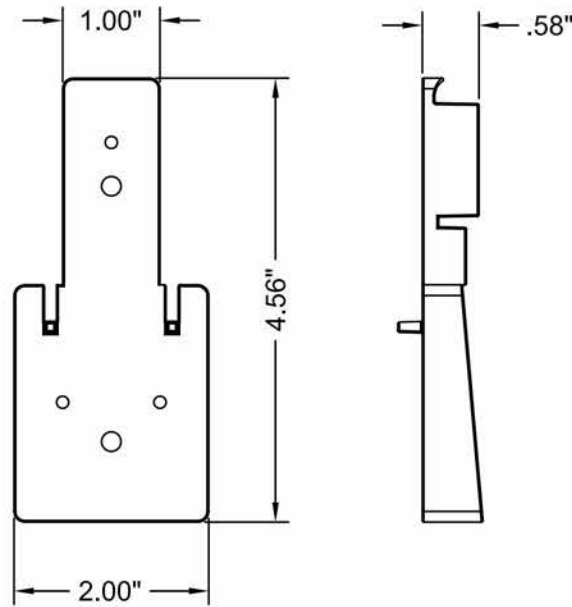
**13** OUTSWING SIDELITE SPACER  
MATERIAL: PVC



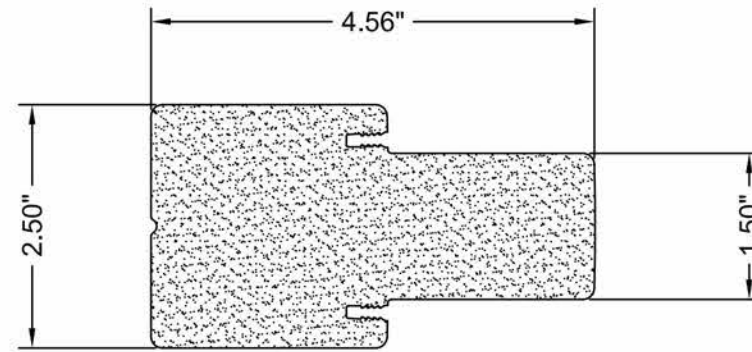
**16** STANDARD MULLION  
MATERIAL: PVC



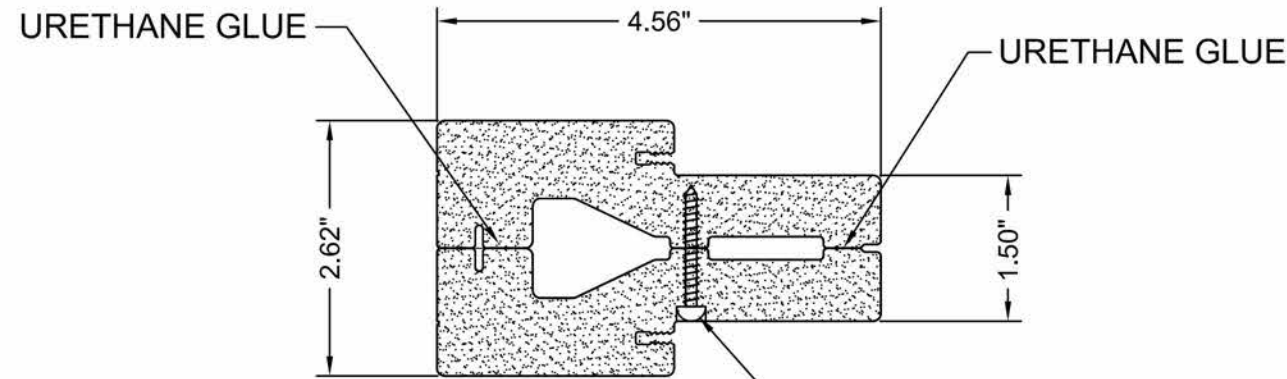
**18** TWO-PIECE "FAT" MULLION  
MATERIAL: PVC



**15** MULLION BASE KIT  
OPTIONAL

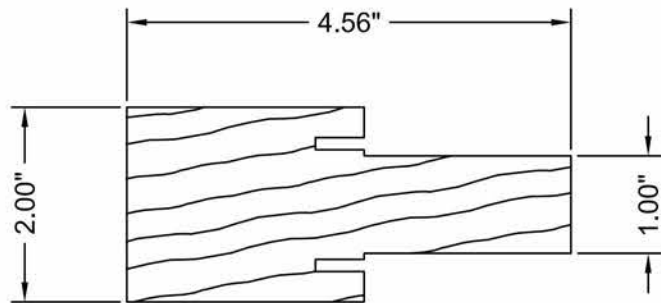


**17** FAT MULLION  
MATERIAL: PVC



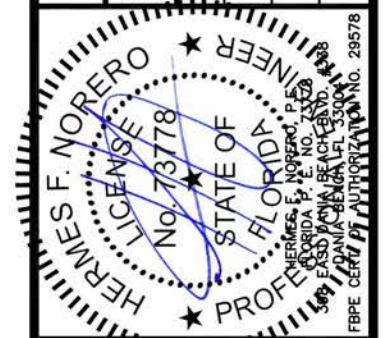
**SECTION A-A**

#8x1 1/4" PRH WS (4 NEAR SIDE)  
#8x1 1/4" PRH WS (4 FAR SIDE)



**14** STANDARD MULLION  
MATERIAL: WOOD

NO.	DESCRIPTION	REVISIONS	
		BY	DATE



DATE:	DWN BY:	CHK BY:	SCALE:
07.14.16	LS	HFN	NTS

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**FL-20867.2**

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TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING

COMPONENTS

PREPARED BY:  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004  
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**REVISIONS**

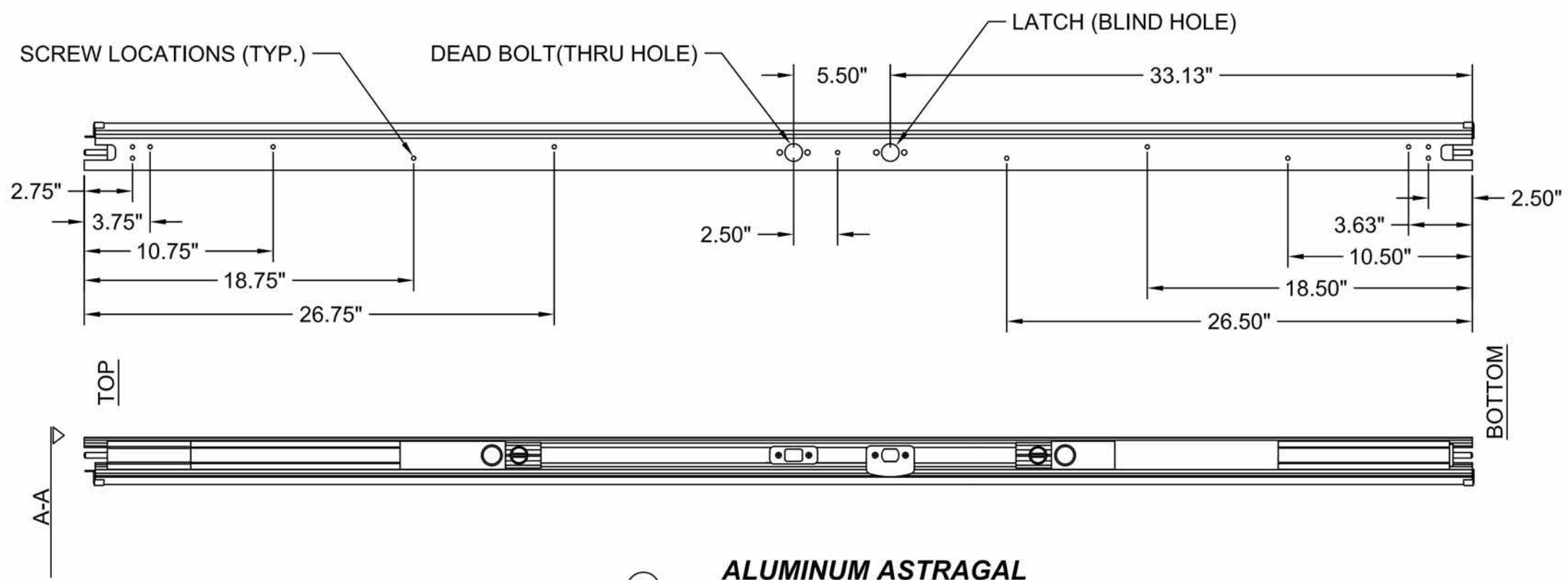
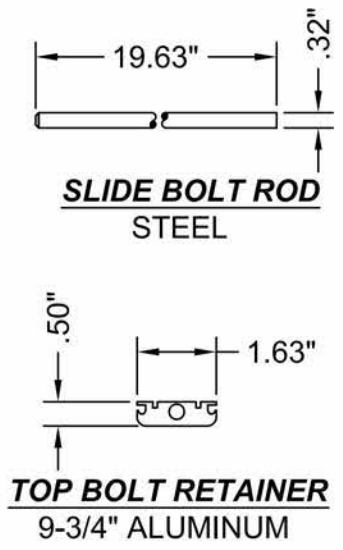
NO.	DESCRIPTION	BY	DATE



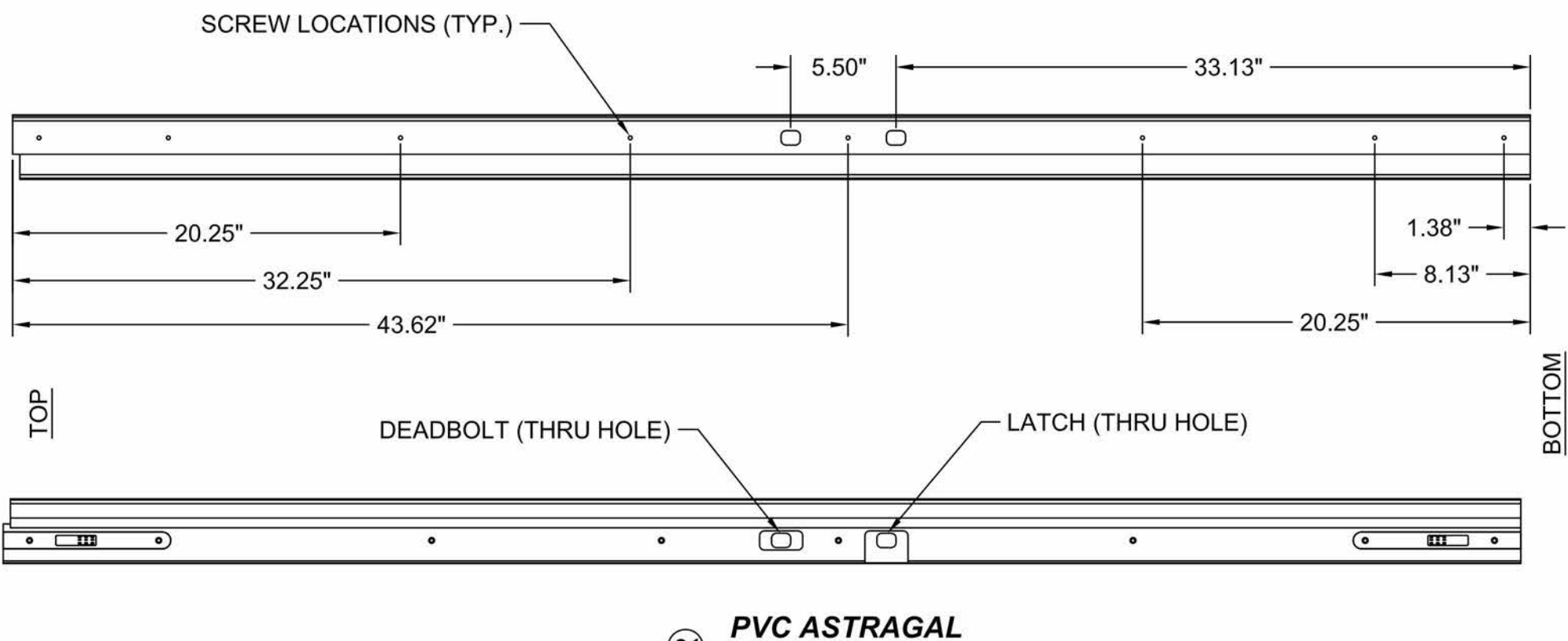
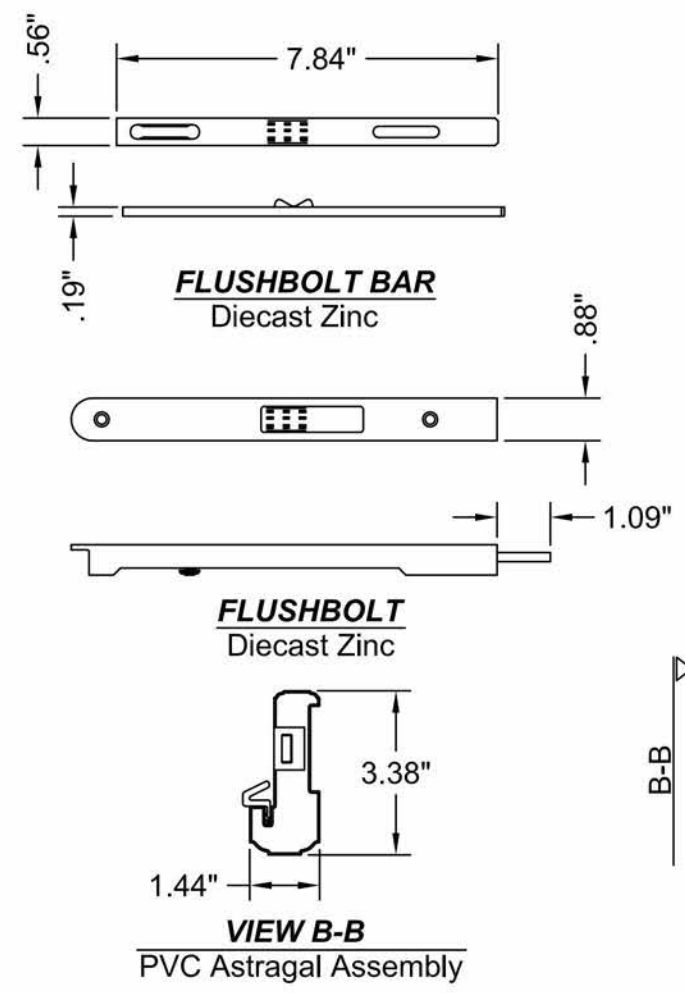
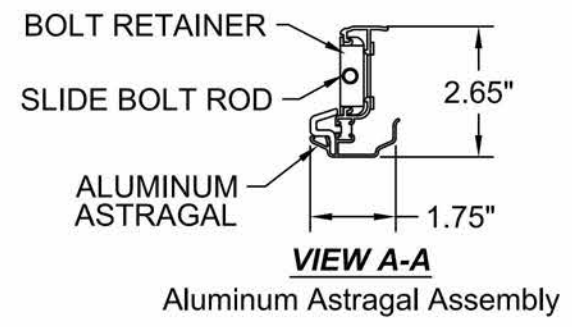
DATE:	DWN BY:	CHK BY:	SCALE:
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**20 ALUMINUM ASTRAGAL**  
6'8 Aluminum Astragal by Endura Products



**21 PVC ASTRAGAL**  
6'8 PVC Astragal by Trinity

**BILL OF MATERIAL**

ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG>=0.55	WOOD
B	2X BUCK SG>=0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	#9 X 3/4" PFH WS	STEEL
F	#9 X 1" PFH WS	STEEL
G	#9 X 2-1/4" PFH WS	STEEL
H	#10 X 2-1/2" PFH WS	STEEL
I	#8 X 2" PFH WS	STEEL
J	#6 X 1-1/4" DRYWALL SCREW	STEEL
K	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
L	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
M	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
N	3/16" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
O	#8 X 2-1/2" PFH WS	STEEL
P	3/16" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
Q	#8 X 1" PFH WS	STEEL
R	3/16" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
S	#10 X 3" PFH WS	STEEL
1	JAMB (FINGER-JOINT PINE - SG>=0.42)	WOOD
1A	JAMB (FINGER-JOINT PINE - SG>=0.42)	WOOD
2	JAMB	PVC
2A	JAMB	PVC
3	JAMB	PVC
5	WEATHER STRIP QEBD650 Q-LON	-
6	3.98" X 4.0" HINGE MIN 0.098" MIN THICK	STEEL
7	STRIKE PLATE	STEEL
8	DEADBOLT PLATE	STEEL
9	SILLKEY	PC/ASA
10	OUTSWING SILL - ALUMINUM WITH PVC SUBSTRATE	ALUM./PVC
11	DOOR PANEL - SEE DOOR PANEL CONSTRUCTION DETAILS SHEET	-
12	SIDELITE PANEL - SEE SIDELITE PANEL CONSTRUCTION DETAILS SHEET	-
13	OUTSWING SIDELITE SPACER	PVC
14	STANDARD MULLION (FINGER JOINT PINE SG>=0.42)	WOOD
15	MULLION BASE KIT	PC/ASA
16	STANDARD MULLION	PVC
17	"FAT" MULLION	PVC
18	TWO-PIECE "FAT" MULLION	PVC
19	1X MULLION	WOOD
20	ALUMINUM ASTRAGAL BY ENDURA PRODUCTS	ALUMINUM
21	PVC ASTRAGAL BY TRINITY	PVC
22	ASTRAGAL STRIKE @ HEAD	STEEL
23	ASTRAGAL STRIKE @ SILL	STEEL



TRINITY GLASS INTERNATIONAL  
3365 1ST WAY S  
FEDERAL WAY, WA 98003  
PH: (253) 875-7300

TITLE: OPAQUE FIBERGLASS DOOR  
IMPACT OUTSWING  
BILL OF MATERIALS  
PREPARED BY:  
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REVISIONS	DESCRIPTION	BY	DATE
		NO.	



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SCALE: NTS

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