

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
6. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
10. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 20 FOR GLASS DETAILS.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS, UP TO WIND ZONE 3.

13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. ALL FASTENERS TO BE CORROSION RESISTANT.
17. 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 BELOW:
 - 17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42
 - 17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
 - 17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - 17.4. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM

SIGNED: 11/09/2023

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 8	ELEVATIONS AND RATINGS
9 - 12	ANCHORING LAYOUTS
13 - 20	INSTALLATION DETAILS
21	COMPONENTS



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
NOTES

DRAWN:
R.L.

DWG NO.
08-03561

REV
A

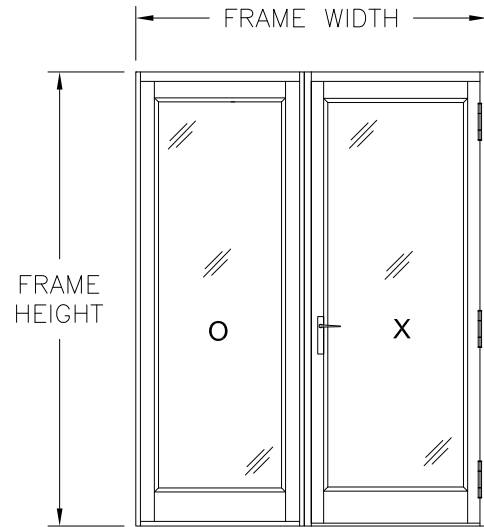
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DATE 08/01/2020

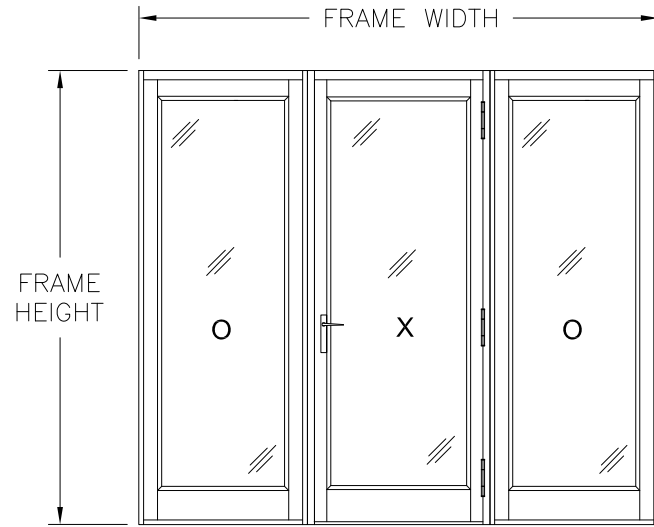
SHEET 1 OF 21

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Luis R. Lomas P.E.
FL No.: 62514



SINGLE DOOR WITH SIDELITE
OX CONFIGURATION SHOWN, XO ALSO APPROVED



SINGLE DOOR WITH SIDELITE
OXO CONFIGURATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

Chart #1 with Glass A & B
Single door with sidelite(s) ratings (psf)

Frame Height (in)	Tributary width (in)								
	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0
80.0	100.0	100.0	100.0	100.0	100.0	100.0	99.1	94.8	91.0
84.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	93.2	89.4
87.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	92.1	88.3
90.0	100.0	100.0	100.0	100.0	100.0	100.0	95.3	91.0	85.3
93.0	100.0	100.0	100.0	100.0	100.0	99.4	94.4	88.1	82.6
96.0	100.0	100.0	100.0	100.0	100.0	98.5	91.4	85.3	80.0
99.0	100.0	100.0	100.0	100.0	100.0	95.5	88.6	82.7	77.6
102.0	100.0	100.0	100.0	100.0	100.0	92.7	86.0	80.3	75.3
105.0	100.0	100.0	100.0	100.0	97.5	90.0	83.6	78.0	73.1
108.0	100.0	100.0	100.0	100.0	94.8	87.5	81.3	75.8	71.1
111.0	100.0	100.0	100.0	100.0	92.2	85.1	79.1	73.8	69.2
114.0	100.0	100.0	100.0	98.0	89.8	82.9	77.0	71.9	67.4
117.0	100.0	100.0	100.0	95.5	87.5	80.8	75.0	70.0	65.6
120.0	100.0	100.0	100.0	93.1	85.3	78.8	73.1	68.3	64.0
123.0	100.0	100.0	99.9	90.8	83.2	76.8	71.4	66.6	62.4

Large and small missile impact up to wind zone 3

Chart #2 with Glass C & D
Single door with sidelite(s) ratings (psf)

Height (in)	Panel width (in)																	
	24.0		27.0		30.0		33.0		36.0		39.0		42.0		45.0		48.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.5	89.3	83.4	87.9	82.3	86.4
84.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.9	89.9	83.8	88.4	82.6	86.9	81.5	85.3
87.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.2	83.3	87.7	82.1	86.1	80.9	84.5
90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.0	88.6	82.7	87.0	81.5	85.3	80.3	83.7
93.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.7	89.7	83.5	88.0	82.2	86.3	80.9	84.6	79.7	82.6
96.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.3	89.1	83.0	87.3	81.7	85.6	80.4	83.8	79.0	80.0
99.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	83.9	88.5	82.5	86.7	81.2	84.9	79.8	82.7	77.6	77.6
102.0	85.0	90.0	85.0	90.0	85.0	90.0	84.8	89.8	83.4	87.9	82.0	86.0	80.6	84.2	79.2	80.3	75.3	75.3
105.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.3	83.0	87.3	81.6	85.4	80.1	83.5	78.0	78.0	73.1	73.1
108.0	85.0	90.0	85.0	90.0	85.0	90.0	84.1	88.7	82.6	86.8	81.1	84.8	79.6	81.3	75.8	75.8	71.1	71.1
111.0	85.0	90.0	85.0	90.0	85.0	90.0	83.7	88.2	82.1	86.2	80.6	84.1	79.1	79.1	73.8	73.8	69.2	69.2
114.0	85.0	90.0	85.0	90.0	84.9	89.8	83.3	87.7	81.7	85.6	80.1	82.9	77.0	77.0	71.9	71.9	67.4	67.4
117.0	85.0	90.0	85.0	90.0	84.5	89.3	82.9	87.2	81.3	85.0	79.6	80.8	75.0	75.0	70.0	70.0	65.6	65.6
120.0	85.0	90.0	85.0	90.0	84.2	88.9	82.5	86.7	80.8	84.4	78.8	78.8	73.1	73.1	68.3	68.3	64.0	64.0
123.0	85.0	90.0	85.0	90.0	83.8	88.4	82.1	86.1	80.4	83.2	76.8	76.8	71.4	71.4	66.6	66.6	62.4	62.4

Large and small missile impact up to wind zone 3

Chart #3 with Glass E & F
Single door with sidelite(s) ratings (psf)

Frame Height (in)	Tributary width (in)								
	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0
80.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
84.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
87.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
90.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
93.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
96.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
99.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
102.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
105.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
114.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
117.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
120.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
123.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.6

Large and small missile impact up to wind zone 3

DESIGN PRESSURE TABLE INSTRUCTIONS:

1. DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE CHAPTER 16.
2. DETERMINE TRIBUTARY WIDTH AND FRAME HEIGHT BASED ON PRODUCT TO BE INSTALLED. SEE FORMULA FOR TRIBUTARY WIDTH.
3. LOCATE FRAME HEIGHT AND TRIBUTARY WIDTH. THE INTERSECTION OF ROW AND COLUMN CONTAINING FRAME HEIGHT AND TRIBUTARY WIDTH RESPECTIVELY SHOWS THE RATING FOR PRODUCT IN STEP 2. RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.

Single with sidelite

$$\text{TRIBUTARY WIDTH} = \frac{\text{FRAME WIDTH}}{2}$$

Single with sidelites

$$\text{TRIBUTARY WIDTH} = \frac{\text{FRAME WIDTH}}{3}$$

SIGNED: 11/09/2023

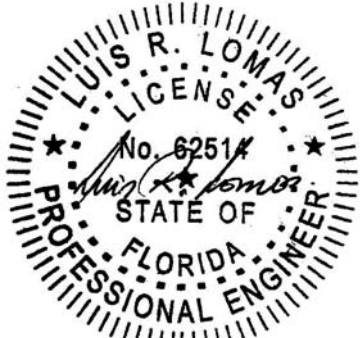


EASTERN ARCHITECTURAL SYSTEMS
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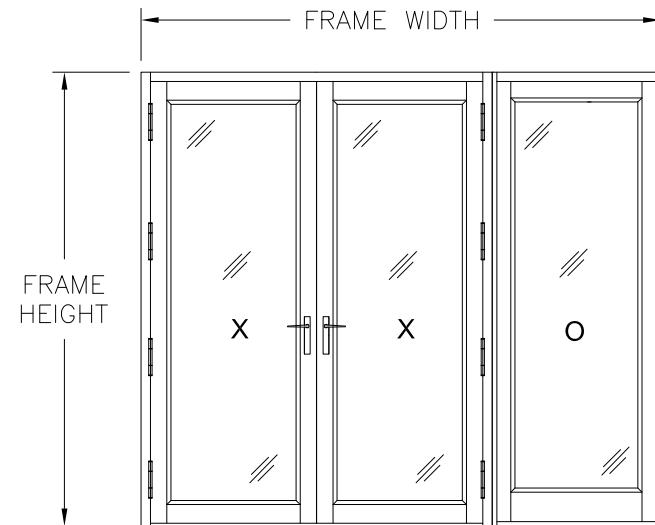
5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
SINGLE WITH SIDELITE(S) ELEVATIONS

DRAWN: R.L.	DWG NO. 08-03561	REV A
SCALE NTS	DATE 08/01/2020	SHEET 2 OF 21

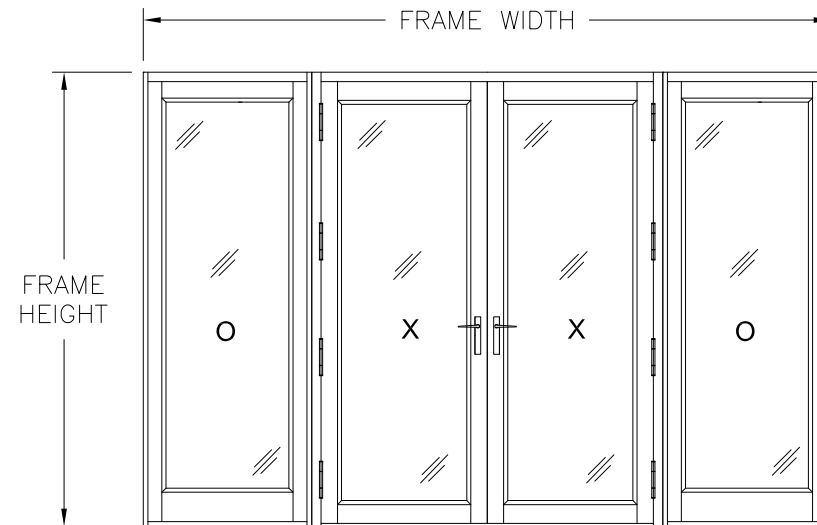
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DOUBLE DOOR WITH SIDELITE
XXO CONFIGURATION SHOWN, O XX ALSO APPROVED



DOUBLE DOOR WITH SIDELITES
OXXO CONFIGURATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

Chart #4 with Glass A, B, C & D
Double door with sidelite(s) ratings (psf)

Frame Height (in)	Tributary width (in)								
	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0
80.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	71.0
84.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	72.2	67.7
87.0	75.0	75.0	75.0	75.0	75.0	75.0	74.7	69.7	65.3
90.0	75.0	75.0	75.0	75.0	75.0	75.0	72.2	67.4	63.2
93.0	75.0	75.0	75.0	75.0	75.0	75.0	69.8	65.2	61.1
96.0	75.0	75.0	75.0	75.0	75.0	72.9	67.7	63.2	59.2
99.0	75.0	75.0	75.0	75.0	73.0	68.0	63.8	60.2	57.1
102.0	75.0	75.0	75.0	72.0	66.5	61.9	58.1	54.8	51.9
105.0	75.0	75.0	71.9	65.8	60.8	56.6	53.0	50.0	47.4
108.0	75.0	72.8	65.9	60.3	55.7	51.8	48.6	45.7	43.3
111.0	75.0	67.0	60.6	55.5	51.2	47.6	44.6	42.0	39.7
114.0	69.2	61.8	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	63.9	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

Chart #5 with Glass E & F
Double door with sidelite(s) ratings (psf)

Frame Height (in)	Tributary width (in)								
	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0
80.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
84.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
87.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
90.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
93.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
96.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.2
99.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.1
102.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1	54.8	51.9
105.0	60.0	60.0	60.0	60.0	60.0	56.6	53.0	50.0	47.4
108.0	60.0	60.0	60.0	60.0	55.7	51.8	48.6	45.7	43.3
111.0	60.0	60.0	60.0	55.5	51.2	47.6	44.6	42.0	39.7
114.0	60.0	60.0	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	60.0	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

DESIGN PRESSURE TABLE INSTRUCTIONS:

1. DEFINE REQUIRED DESIGN LOAD PER FLORIDA BUILDING CODE CHAPTER 16.
2. DETERMINE TRIBUTARY WIDTH AND FRAME HEIGHT BASED ON PRODUCT TO BE INSTALLED. SEE FORMULA FOR TRIBUTARY WIDTH.
3. LOCATE FRAME HEIGHT AND TRIBUTARY WIDTH. THE INTERSECTION OF ROW AND COLUMN CONTAINING FRAME HEIGHT AND TRIBUTARY WIDTH RESPECTIVELY SHOWS THE RATING FOR PRODUCT IN STEP 2. RATING MUST BE EQUAL OR GREATER THAN REQUIRED DESIGN PRESSURE OBTAINED IN STEP 1.

Double with sidelite

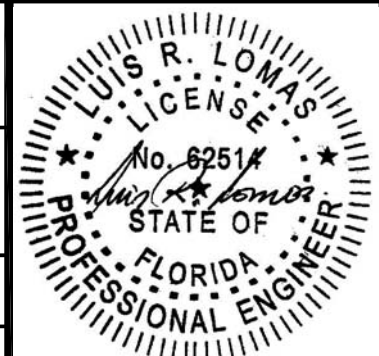
$$\text{TRIBUTARY WIDTH} = \frac{\text{FRAME WIDTH}}{3}$$

Double with sidelites

$$\text{TRIBUTARY WIDTH} = \frac{\text{FRAME WIDTH}}{4}$$

		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
5000 SERIES ALUMINUM FRENCH DOORS MULLED IMPACT DOUBLE WITH SIDELITE(S) ELEVATIONS			
DRAWN: R.L.	DWG NO. 08-03561	REV A	
SCALE NTS	DATE 08/01/2020	SHEET 3 OF 21	
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SIGNED: 11/09/2023



Luis R. Lomas P.E.
FL No.: 62514

Chart #6 with Glass A & B

Single door with sidelite and transom up to 24", ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
80.0	24.0	104.0	100.0	100.0	100.0	100.0	100.0	100.0	99.1	94.8	91.0
84.0	24.0	108.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	93.2	89.4
87.0	24.0	111.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4	92.1	88.3
90.0	24.0	114.0	100.0	100.0	100.0	100.0	100.0	100.0	95.3	91.0	85.3
93.0	24.0	117.0	100.0	100.0	100.0	100.0	100.0	99.4	94.4	88.1	82.6
96.0	24.0	120.0	100.0	100.0	100.0	100.0	100.0	98.5	91.4	85.3	80.0
99.0	24.0	123.0	100.0	100.0	100.0	100.0	100.0	95.5	88.6	82.7	77.6
102.0	24.0	126.0	100.0	100.0	100.0	100.0	100.0	92.7	86.0	80.3	75.3
105.0	24.0	129.0	100.0	100.0	100.0	100.0	97.5	90.0	83.6	78.0	73.1
108.0	24.0	132.0	100.0	100.0	100.0	100.0	94.8	87.5	81.3	75.8	71.1
111.0	24.0	135.0	100.0	100.0	100.0	100.0	92.2	85.1	79.1	73.8	69.2
114.0	24.0	138.0	100.0	100.0	100.0	98.0	89.8	82.9	77.0	71.9	67.4
117.0	24.0	141.0	100.0	100.0	100.0	95.5	87.5	80.8	75.0	70.0	65.6
120.0	24.0	144.0	100.0	100.0	100.0	93.1	85.3	78.8	73.1	68.3	64.0
123.0	24.0	147.0	100.0	100.0	99.9	90.8	83.2	76.8	71.4	66.6	62.4

Large and small missile impact up to wind zone 3

Chart #8 with Glass E & F

Single door with sidelite and transom up to 24", ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	48.0	54.0	60.0	66.0	72.0	78.0	84.0	90.0	96.0
80.0	24.0	104.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
84.0	24.0	108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
87.0	24.0	111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
90.0	24.0	114.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
93.0	24.0	117.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
96.0	24.0	120.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
99.0	24.0	123.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
102.0	24.0	126.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
105.0	24.0	129.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
108.0	24.0	132.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
111.0	24.0	135.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
114.0	24.0	138.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
117.0	24.0	141.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
120.0	24.0	144.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
123.0	24.0	147.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.6

Large and small missile impact up to wind zone 3

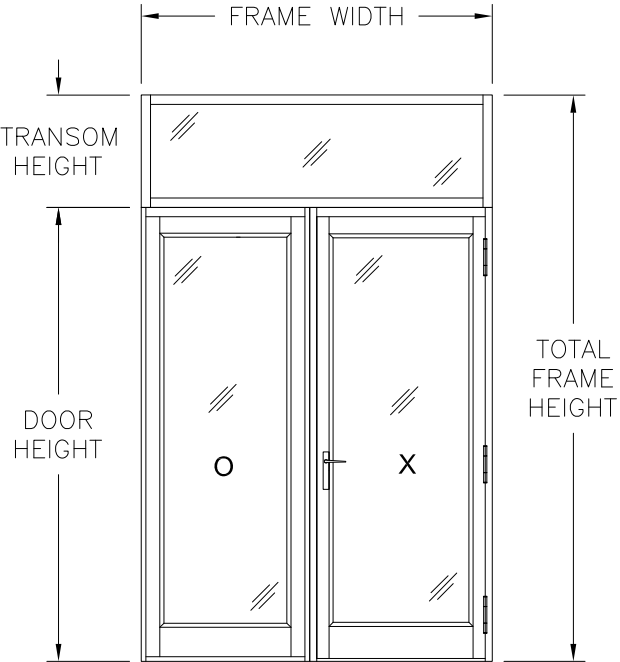
Chart #7 with Glass C & D

Single door with sidelite and transom up to 24", ratings (psf)

Height (in)	Panel width (in)																	
	48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		96.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.5	89.3	83.4	87.9	82.3	86.4
84.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.9	89.9	83.8	88.4	82.6	86.9	81.5	85.3
87.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.2	83.3	87.7	82.1	86.1	80.9	84.5
90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.0	88.6	82.7	87.0	81.5	85.3	80.3	83.7
93.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.7	89.7	83.5	88.0	82.2	86.3	80.9	84.6	79.7	82.6
96.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.3	89.1	83.0	87.3	81.7	85.6	80.4	83.8	79.0	80.0
99.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	83.9	88.5	82.5	86.7	81.2	84.9	79.8	82.7	77.6	77.6
102.0	85.0	90.0	85.0	90.0	85.0	90.0	84.8	89.8	83.4	87.9	82.0	86.0	80.6	84.2	79.2	80.3	75.3	75.3
105.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.3	83.0	87.3	81.6	85.4	80.1	83.5	78.0	78.0	73.1	73.1
108.0	85.0	90.0	85.0	90.0	85.0	90.0	84.1	88.7	82.6	86.8	81.1	84.8	79.6	81.3	75.8	75.8	71.1	71.1
111.0	85.0	90.0	85.0	90.0	85.0	90.0	83.7	88.2	82.1	86.2	80.6	84.1	79.1	79.1	73.8	73.8	69.2	69.2
114.0	85.0	90.0	85.0	90.0	84.9	89.8	83.3	87.7	81.7	85.6	80.1	82.9	77.0	77.0	71.9	71.9	67.4	67.4
117.0	85.0	90.0	85.0	90.0	84.5	89.3	82.9	87.2	81.3	85.0	79.6	80.8	75.0	75.0	70.0	70.0	65.6	65.6
120.0	85.0	90.0	85.0	90.0	84.2	88.9	82.5	86.7	80.8	84.4	78.8	78.8	73.1	73.1	68.3	68.3	64.0	64.0
123.0	85.0	90.0	85.0	90.0	83.8	88.4	82.1	86.1	80.4	83.2	76.8	76.8	71.4	71.4	66.6	66.6	62.4	62.4

Large and small missile impact up to wind zone 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SINGLE DOOR WITH SIDELITE AND TRANSOM
O/OX CONFIGURATION SHOWN,O/XO ALSO APPROVED

SIGNED: 11/09/2023



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
SINGLE WITH SIDELITE AND TRANSOM ELEVATION

DRAWN:
R.L.

DWG NO.
08-03561

REV
A

SCALE NTS

DATE 08/01/2020

SHEET 4 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

Chart #9 wih Glass A & B
Single door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)									
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0	
80.0	12.0	92.0	100.0	100.0	100.0	100.0	100.0	100.0	86.8	70.5	58.1	
84.0	12.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0	83.2	67.6	55.7	
87.0	12.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	80.6	65.6	54.0	
90.0	12.0	102.0	100.0	100.0	100.0	100.0	100.0	97.8	78.3	63.6	52.4	
93.0	12.0	105.0	100.0	100.0	100.0	100.0	100.0	95.0	76.0	61.8	50.9	
96.0	12.0	108.0	100.0	100.0	100.0	100.0	100.0	92.3	73.9	60.1	49.5	
99.0	12.0	111.0	100.0	100.0	100.0	100.0	100.0	89.8	71.9	58.5	48.2	
102.0	12.0	114.0	100.0	100.0	100.0	100.0	100.0	87.5	70.0	56.9	46.9	
105.0	12.0	117.0	100.0	100.0	100.0	100.0	97.5	85.2	68.2	55.5	45.7	
108.0	12.0	120.0	100.0	100.0	100.0	100.0	94.8	83.1	66.5	54.1	44.6	
111.0	12.0	123.0	100.0	100.0	100.0	100.0	92.2	81.1	64.9	52.8	43.5	
114.0	12.0	126.0	100.0	100.0	100.0	98.0	89.8	79.1	63.4	51.5	42.4	
117.0	12.0	129.0	100.0	100.0	100.0	95.5	87.5	77.3	61.9	50.3	41.5	
120.0	12.0	132.0	100.0	100.0	100.0	93.1	85.3	75.5	60.5	49.2	40.5	
123.0	12.0	135.0	100.0	100.0	99.9	90.8	83.2	73.9	59.1	48.1	39.6	

Large and small missile impact up to wind zone 3

Chart #10 with Glass C & D
Single door with sidelites and transom ratings (psf)

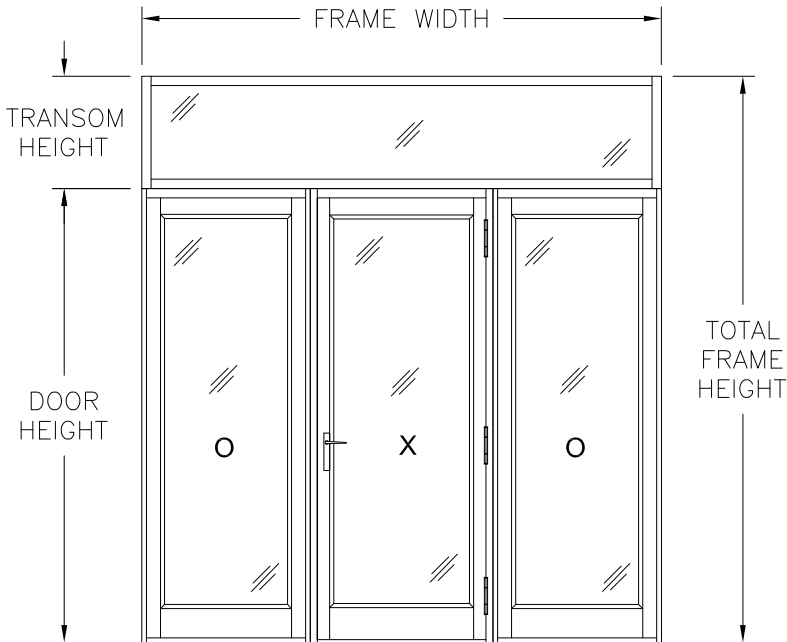
Height (in)	Panel width (in)																	
	72.0		81.0		90.0		99.0		108.0		117.0		126.0		135.0		144.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.5	86.8	70.5	70.5	58.1	58.1
84.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.9	89.9	83.2	83.2	67.6	67.6	55.7	55.7
87.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.2	80.6	80.6	65.6	65.6	54.0	54.0
90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.0	88.6	78.3	78.3	63.6	63.6	52.4	52.4
93.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.7	89.7	83.5	88.0	76.0	76.0	61.8	61.8	50.9	50.9
96.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.3	89.1	83.0	87.3	73.9	73.9	60.1	60.1	49.5	49.5
99.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	83.9	88.5	82.5	86.7	71.9	71.9	58.5	58.5	48.2	48.2
102.0	85.0	90.0	85.0	90.0	85.0	90.0	84.8	89.8	83.4	87.9	82.0	86.0	70.0	70.0	56.9	56.9	46.9	46.9
105.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.3	83.0	87.3	81.6	85.2	68.2	68.2	55.5	55.5	45.7	45.7
108.0	85.0	90.0	85.0	90.0	85.0	90.0	84.1	88.7	82.6	86.8	81.1	83.1	66.5	66.5	54.1	54.1	44.6	44.6
111.0	85.0	90.0	85.0	90.0	85.0	90.0	83.7	88.2	82.1	86.2	80.6	81.1	64.9	64.9	52.8	52.8	43.5	43.5
114.0	85.0	90.0	85.0	90.0	84.9	89.8	83.3	87.7	81.7	85.6	79.1	79.1	63.4	63.4	51.5	51.5	42.4	42.4
117.0	85.0	90.0	85.0	90.0	84.5	89.3	82.9	87.2	81.3	85.0	77.3	77.3	61.9	61.9	50.3	50.3	41.5	41.5
120.0	85.0	90.0	85.0	90.0	84.2	88.9	82.5	86.7	80.8	84.4	75.5	75.5	60.5	60.5	49.2	49.2	40.5	40.5
123.0	85.0	90.0	85.0	90.0	83.8	88.4	82.1	86.1	80.4	83.2	73.9	73.9	59.1	59.1	48.1	48.1	39.6	39.6

Large and small missile impact up to wind zone 3

Chart #11 wih Glass E & F
Single door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)									
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0	
80.0	12.0	92.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1	
84.0	12.0	96.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.7	
87.0	12.0	99.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.0	
90.0	12.0	102.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.4	
93.0	12.0	105.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.9	
96.0	12.0	108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.5	
99.0	12.0	111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	48.2	
102.0	12.0	114.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	46.9	
105.0	12.0	117.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	45.7	
108.0	12.0	120.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	44.6	
111.0	12.0	123.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	43.5	
114.0	12.0	126.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	42.4	
117.0	12.0	129.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	41.5	
120.0	12.0	132.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	40.5	
123.0	12.0	135.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	39.6	

Large and small missile impact up to wind zone 3



SINGLE DOOR WITH SIDELITES AND TRANSOM
O/OXO CONFIGURATION
FOR RATINGS REFER TO CHARTS #9, 10 & #11 THIS SHEET
AND CHARTS #12 THROUGH #17 SHEET 6



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
SINGLE WITH SIDELITES AND TRANSOM ELEVATION

DRAWN:
R.L.

DWG NO.
08-03561

REV
A

SCALE
NTS

DATE
08/01/2020

SHEET
5 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/09/2023

Luis R. Lomas P.E.
FL No.: 62514

Chart #12 with Glass A & B												
Single door with sidelites and transom ratings (psf)												
Frame Height (in)			Frame width (in)									
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0	
80.0	18.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	81.5	66.2	54.6	
84.0	18.0	102.0	100.0	100.0	100.0	100.0	100.0	97.8	78.3	63.6	52.4	
87.0	18.0	105.0	100.0	100.0	100.0	100.0	100.0	95.0	76.0	61.8	50.9	
90.0	18.0	108.0	100.0	100.0	100.0	100.0	100.0	92.3	73.9	60.1	49.5	
93.0	18.0	111.0	100.0	100.0	100.0	100.0	100.0	89.8	71.9	58.5	48.2	
96.0	18.0	114.0	100.0	100.0	100.0	100.0	100.0	87.5	70.0	56.9	46.9	
99.0	18.0	117.0	100.0	100.0	100.0	100.0	100.0	85.2	68.2	55.5	45.7	
102.0	18.0	120.0	100.0	100.0	100.0	100.0	100.0	83.1	66.5	54.1	44.6	
105.0	18.0	123.0	100.0	100.0	100.0	100.0	97.5	81.1	64.9	52.8	43.5	
108.0	18.0	126.0	100.0	100.0	100.0	100.0	94.8	79.1	63.4	51.5	42.4	
111.0	18.0	129.0	100.0	100.0	100.0	100.0	92.2	77.3	61.9	50.3	41.5	
114.0	18.0	132.0	100.0	100.0	100.0	98.0	89.8	75.5	60.5	49.2	40.5	
117.0	18.0	135.0	100.0	100.0	100.0	95.5	87.5	73.9	59.1	48.1	39.6	
120.0	18.0	138.0	100.0	100.0	100.0	93.1	85.3	72.3	57.8	47.0	38.8	
123.0	18.0	141.0	100.0	100.0	99.9	90.8	83.2	70.7	56.6	46.0	37.9	

Large and small missile impact up to wind zone 3

Chart #15 with Glass A & B												
Single door with sidelites and transom ratings (psf)												
Frame Height (in)			Frame width (in)									
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0	
80.0	24.0	104.0	100.0	100.0	100.0	100.0	100.0	95.9	76.8	62.4	51.4	
84.0	24.0	108.0	100.0	100.0	100.0	100.0	100.0	92.3	73.9	60.1	49.5	
87.0	24.0	111.0	100.0	100.0	100.0	100.0	100.0	89.8	71.9	58.5	48.2	
90.0	24.0	114.0	100.0	100.0	100.0	100.0	100.0	87.5	70.0	56.9	46.9	
93.0	24.0	117.0	100.0	100.0	100.0	100.0	100.0	85.2	68.2	55.5	45.7	
96.0	24.0	120.0	100.0	100.0	100.0	100.0	100.0	83.1	66.5	54.1	44.6	
99.0	24.0	123.0	100.0	100.0	100.0	100.0	100.0	81.1	64.9	52.8	43.5	
102.0	24.0	126.0	100.0	100.0	100.0	100.0	100.0	79.1	63.4	51.5	42.4	
105.0	24.0	129.0	100.0	100.0	100.0	100.0	97.5	77.3	61.9	50.3	41.5	
108.0	24.0	132.0	100.0	100.0	100.0	100.0	94.8	75.5	60.5	49.2	40.5	
111.0	24.0	135.0	100.0	100.0	100.0	100.0	92.2	73.9	59.1	48.1	39.6	
114.0	24.0	138.0	100.0	100.0	100.0	98.0	89.8	72.3	57.8	47.0	38.8	
117.0	24.0	141.0	100.0	100.0	100.0	95.5	87.5	70.7	56.6	46.0	37.9	
120.0	24.0	144.0	100.0	100.0	100.0	93.1	85.3	69.2	55.4	45.1	37.1	
123.0	24.0	147.0	100.0	100.0	99.9	90.8	83.2	67.8	54.3	44.2	36.4	

Large and small missile impact up to wind zone 3

Height (in)	Panel width (in)																	
	72.0		81.0		90.0		99.0		108.0		117.0		126.0		135.0		144.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	81.5	81.5	66.2	66.2	54.6	54.6
84.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.9	89.9	78.3	78.3	63.6	63.6	52.4	52.4
87.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.2	76.0	76.0	61.8	61.8	50.9	50.9
90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.0	88.6	73.9	73.9	60.1	60.1	49.5	49.5
93.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.7	89.7	83.5	88.0	71.9	71.9	58.5	58.5	48.2	48.2
96.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.3	89.1	83.0	87.3	70.0	70.0	56.9	56.9	46.9	46.9
99.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	83.9	88.5	82.5	86.2	68.2	68.2	55.5	55.5	45.7	45.7
102.0	85.0	90.0	85.0	90.0	85.0	90.0	84.8	89.8	83.4	87.9	82.0	83.1	66.5	66.5	54.1	54.1	44.6	44.6
105.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.3	83.0	87.3	81.1	81.1	64.9	64.9	52.8	52.8	43.5	43.5
108.0	85.0	90.0	85.0	90.0	85.0	90.0	84.1	88.7	82.6	86.8	79.1	79.1	63.4	63.4	51.5	51.5	42.4	42.4
111.0	85.0	90.0	85.0	90.0	85.0	90.0	83.7	88.2	82.1	86.2	77.3	77.3	61.9	61.9	50.3	50.3	41.5	41.5
114.0	85.0	90.0	85.0	90.0	84.9	89.8	83.3	87.7	81.7	85.6	75.5	75.5	60.5	60.5	49.2	49.2	40.5	40.5
117.0	85.0	90.0	85.0	90.0	84.5	89.3	82.9	87.2	81.3	85.0	73.9	73.9	59.1	59.1	48.1	48.1	39.6	39.6
120.0	85.0	90.0	85.0	90.0	84.2	88.9	82.5	86.7	80.8	84.4	72.3	72.3	57.8	57.8	47.0	47.0	38.8	38.8
123.0	85.0	90.0	85.0	90.0	83.8	88.4	82.1	86.1	80.4	83.2	70.7	70.7	56.6	56.6	46.0	46.0	37.9	37.9

Large and small missile impact up to wind zone 3

Height (in)	Panel width (in)																	
	72.0		81.0		90.0		99.0		108.0		117.0		126.0		135.0		144.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	76.8	76.8
84.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.9	89.9	73.9	73.9	60.1	60.1	49.5	49.5
87.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.2	71.9	71.9	58.5	58.5	48.2	48.2
90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.0	87.5	70.0	70.0	56.9	56.9	46.9	46.9
93.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.7	89.7	83.5	85.2	68.2	68.2	55.5	55.5	45.7	45.7
96.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	84.3	89.1	83.0	83.1	66.5	66.5	54.1	54.1	44.6	44.6
99.0	85.0	90.0	85.0	90.0	85.0	90.0	85.0	90.0	83.9	88.5	81.1	81.1	64.9	64.9	52.8	52.8	43.5	43.5
102.0	85.0	90.0	85.0	90.0	85.0	90.0	84.8	89.8	83.4	87.9	79.1	79.1	63.4	63.4	51.5	51.5	42.4	42.4
105.0	85.0	90.0	85.0	90.0	85.0	90.0	84.4	89.3	83.0	87.3	77.3	77.3	61.9	61.9	50.3	50.3	41.5	41.5
108.0	85.0	90.0	85.0	90.0	85.0	90.0	84.1	88.7	82.6	86.8	75.5	75.5	60.5	60.5	49.2	49.2	40.5	40.5
111.0	85.0	90.0	85.0	90.0	85.0	90.0	83.7	88.2	82.1	86.2	73.9	73.9	59.1	59.1	48.1	48.1	39.6	39.6
114.0	85.0	90.0	85.0	90.0	84.9	89.8	83.3	87.7	81.7	85.6	72.3	72.3	57.8	57.8	47.0	47.0	38.8	38.8
117.0	85.0	90.0	85.0	90.0	84.5	89.3	82.9	87.2	81.3	85.0	70.7	70.7	56.6	56.6	46.0	46.0	37.9	37.9
120.0	85.0	90.0	85.0	90.0	84.2	88.9	82.5	86.7	80.8	84.4	69.2	69.2	55.4	55.4	45.1	45.1	37.1	37.1
123.0	85.0	90.0	85.0	90.0	83.8	88.4	82.1	86.1	80.4	83.2	67.8	67.8	54.3	54.3	44.2	44.2	36.4	36.4

Large and small missile impact up to wind zone 3

Chart #14 with Glass E & F												
Single door with sidelites and transom ratings (psf)												
Frame Height (in)			Frame width (in)									
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0	
80.0	18.0	98.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.6
84.0	18.0	102.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.4
87.0	18.0	105.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.9
90.0	18.0	108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.5
93.0	18.0	111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5	48.2
96.0	18.0	114.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.9	46.9
99.0	18.0	117.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.5	45.7
102.0	18.0	120.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.1	44.6
105.0	18.0	123.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.8	43.5
108.0	18.0	126.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	51.5	42.4
111.0	18.0	129.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.3	41.5
114.0	18.0	132.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.2	40.5
117.0	18.0	135.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.1	48.1	39.6
120.0	18.0	138.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.8	47.0	38.8
123.0	18.0	141.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.6	46.0	37.9



Chart #18 with Glass A, B, C & D
Double door with sidelite and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
80.0	12.0	92.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	70.5	58.1
84.0	12.0	96.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	67.6	55.7
87.0	12.0	99.0	75.0	75.0	75.0	75.0	75.0	75.0	74.7	65.6	54.0
90.0	12.0	102.0	75.0	75.0	75.0	75.0	75.0	75.0	72.2	63.6	52.4
93.0	12.0	105.0	75.0	75.0	75.0	75.0	75.0	75.0	69.8	61.8	50.9
96.0	12.0	108.0	75.0	75.0	75.0	75.0	75.0	72.9	67.7	60.1	49.5
99.0	12.0	111.0	75.0	75.0	75.0	75.0	73.0	68.0	63.8	58.5	48.2
102.0	12.0	114.0	75.0	75.0	75.0	72.0	66.5	61.9	58.1	54.8	46.9
105.0	12.0	117.0	75.0	75.0	71.9	65.8	60.8	56.6	53.0	50.0	45.7
108.0	12.0	120.0	75.0	72.8	65.9	60.3	55.7	51.8	48.6	45.7	43.3
111.0	12.0	123.0	75.0	67.0	60.6	55.5	51.2	47.6	44.6	42.0	39.7
114.0	12.0	126.0	69.2	61.8	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	12.0	129.0	63.9	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	12.0	132.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	12.0	135.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

Chart #20 with Glass A, B, C & D
Double door with sidelite and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
80.0	18.0	98.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	66.2	54.6
84.0	18.0	102.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	63.6	52.4
87.0	18.0	105.0	75.0	75.0	75.0	75.0	75.0	75.0	74.7	61.8	50.9
90.0	18.0	108.0	75.0	75.0	75.0	75.0	75.0	75.0	72.2	60.1	49.5
93.0	18.0	111.0	75.0	75.0	75.0	75.0	75.0	75.0	69.8	58.5	48.2
96.0	18.0	114.0	75.0	75.0	75.0	75.0	75.0	72.9	67.7	56.9	46.9
99.0	18.0	117.0	75.0	75.0	75.0	75.0	73.0	68.0	63.8	55.5	45.7
102.0	18.0	120.0	75.0	75.0	75.0	72.0	66.5	61.9	58.1	54.1	44.6
105.0	18.0	123.0	75.0	75.0	71.9	65.8	60.8	56.6	53.0	50.0	43.5
108.0	18.0	126.0	75.0	72.8	65.9	60.3	55.7	51.8	48.6	45.7	42.4
111.0	18.0	129.0	75.0	67.0	60.6	55.5	51.2	47.6	44.6	42.0	39.7
114.0	18.0	132.0	69.2	61.8	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	18.0	135.0	63.9	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	18.0	138.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	18.0	141.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

Chart #22 with Glass A, B, C & D
Double door with sidelite and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
80.0	24.0	104.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	62.4	51.4
84.0	24.0	108.0	75.0	75.0	75.0	75.0	75.0	75.0	73.9	60.1	49.5
87.0	24.0	111.0	75.0	75.0	75.0	75.0	75.0	75.0	71.9	58.5	48.2
90.0	24.0	114.0	75.0	75.0	75.0	75.0	75.0	75.0	70.0	56.9	46.9
93.0	24.0	117.0	75.0	75.0	75.0	75.0	75.0	75.0	68.2	55.5	45.7
96.0	24.0	120.0	75.0	75.0	75.0	75.0	75.0	72.9	66.5	54.1	44.6
99.0	24.0	123.0	75.0	75.0	75.0	75.0	73.0	68.0	63.8	52.8	43.5
102.0	24.0	126.0	75.0	75.0	75.0	72.0	66.5	61.9	58.1	51.5	42.4
105.0	24.0	129.0	75.0	75.0	71.9	65.8	60.8	56.6	53.0	50.0	41.5
108.0	24.0	132.0	75.0	72.8	65.9	60.3	55.7	51.8	48.6	45.7	40.5
111.0	24.0	135.0	75.0	67.0	60.6	55.5	51.2	47.6	44.6	42.0	39.6
114.0	24.0	138.0	69.2	61.8	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	24.0	141.0	63.9	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	24.0	144.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	24.0	147.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

Chart #19 with Glass E & F
Double door with sidelite and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
80.0	12.0	92.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1
84.0	12.0	96.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.7
87.0	12.0	99.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.0
90.0	12.0	102.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.4
93.0	12.0	105.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.9
96.0	12.0	108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.5
99.0	12.0	111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5	48.2
102.0	12.0	114.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1	54.8	46.9
105.0	12.0	117.0	60.0	60.0	60.0	60.0	60.0	56.6	53.0	50.0	45.7
108.0	12.0	120.0	60.0	60.0	60.0	60.0	55.7	51.8	48.6	45.7	43.3
111.0	12.0	123.0	60.0	60.0	60.0	55.5	51.2	47.6	44.6	42.0	39.7
114.0	12.0	126.0	60.0	60.0	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	12.0	129.0	60.0	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	12.0	132.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	12.0	135.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

Chart #21 with Glass E & F
Double door with sidelite and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
80.0	18.0	98.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.6
84.0	18.0	102.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.4
87.0	18.0	105.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.9
90.0	18.0	108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.5
93.0	18.0	111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5	48.2
96.0	18.0	114.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.9	46.9
99.0	18.0	117.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.5	45.7
102.0	18.0	120.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1	54.1	44.6
105.0	18.0	123.0	60.0	60.0	60.0	60.0	60.0	56.6	53.0	50.0	43.5
108.0	18.0	126.0	60.0	60.0	60.0	60.0	55.7	51.8	48.6	45.7	42.4
111.0	18.0	129.0	60.0	60.0	60.0	55.5	51.2	47.6	44.6	42.0	39.7
114.0	18.0	132.0	60.0	60.0	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	18.0	135.0	60.0	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	18.0	138.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	18.0	141.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Large and small missile impact up to wind zone 3

Chart #23 with Glass E & F
Double door with sidelite and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	72.0	81.0	90.0	99.0	108.0	117.0	126.0	135.0	144.0
80.0	24.0	104.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	51.4
84.0	24.0	108.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	49.5
87.0	24.0	111.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5	48.2
90.0	24.0	114.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.9	46.9
93.0	24.0	117.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	55.5	45.7
96.0	24.0	120.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	54.1	44.6
99.0	24.0	123.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	52.8	43.5
102.0	24.0	126.0	60.0	60.0	60.0	60.0	60.0	60.0	58.1	51.5	42.4
105.0	24.0	129.0	60.0	60.0	60.0	60.0	60.0	56.6	53.0	50.0	41.5
108.0	24.0	132.0	60.0	60.0	60.0	60.0	55.7	51.8	48.6	45.7	40.5
111.0	24.0	135.0	60.0	60.0	60.0	55.5	51.2	47.6	44.6	42.0	39.6
114.0	24.0	138.0	60.0	60.0	55.9	51.1	47.2	43.8	41.0	38.6	36.5
117.0	24.0	141.0	60.0	57.1	51.6	47.2	43.5	40.5	37.8	35.6	33.7
120.0	24.0	144.0	59.2	52.8	47.8	43.7	40.3	37.4	35.0	32.9	31.1
123.0	24.0	147.0	54.9	49.0	44.3	40.5	37.3	34.7	32.4	30.5	28.8

Chart #24 with Glass A, B, C & D

Double door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
80.0	12.0	92.0	75.0	75.0	75.0	75.0	58.1	45.7	36.6	29.8	24.5
84.0	12.0	96.0	75.0	75.0	75.0	72.3	55.7	43.8	35.1	28.5	23.5
87.0	12.0	99.0	75.0	75.0	75.0	70.1	54.0	42.5	34.0	27.7	22.8
90.0	12.0	102.0	75.0	75.0	75.0	68.1	52.4	41.2	33.0	26.8	22.1
93.0	12.0	105.0	75.0	75.0	75.0	66.1	50.9	40.1	32.1	26.1	21.5
96.0	12.0	108.0	75.0	75.0	75.0	64.3	49.5	38.9	31.2	25.4	20.9
99.0	12.0	111.0	75.0	75.0	75.0	62.6	48.2	37.9	30.3	24.7	20.3
102.0	12.0	114.0	75.0	75.0	75.0	60.9	46.9	36.9	29.5	24.0	19.8
105.0	12.0	117.0	75.0	75.0	71.9	59.3	45.7	36.0	28.8	23.4	19.3
108.0	12.0	120.0	75.0	72.8	65.9	57.9	44.6	35.1	28.1	22.8	18.8
111.0	12.0	123.0	75.0	67.0	60.6	55.5	43.5	34.2	27.4	22.3	18.3
114.0	12.0	126.0	69.2	61.8	55.9	51.1	42.4	33.4	26.7	21.7	17.9
117.0	12.0	129.0	63.9	57.1	51.6	47.2	41.5	32.6	26.1	21.2	17.5
120.0	12.0	132.0	59.2	52.8	47.8	43.7	40.3	31.9	25.5	20.7	17.1
123.0	12.0	135.0	54.9	49.0	44.3	40.5	37.3	31.2	24.9	20.3	16.7

Chart #25 with Glass E & F

Double door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
80.0	12.0	92.0	60.0	60.0	60.0	60.0	58.1	45.7	36.6	29.8	24.5
84.0	12.0	96.0	60.0	60.0	60.0	60.0	55.7	43.8	35.1	28.5	23.5
87.0	12.0	99.0	60.0	60.0	60.0	60.0	54.0	42.5	34.0	27.7	22.8
90.0	12.0	102.0	60.0	60.0	60.0	60.0	52.4	41.2	33.0	26.8	22.1
93.0	12.0	105.0	60.0	60.0	60.0	60.0	50.9	40.1	32.1	26.1	21.5
96.0	12.0	108.0	60.0	60.0	60.0	60.0	49.5	38.9	31.2	25.4	20.9
99.0	12.0	111.0	60.0	60.0	60.0	60.0	48.2	37.9	30.3	24.7	20.3
102.0	12.0	114.0	60.0	60.0	60.0	60.0	46.9	36.9	29.5	24.0	19.8
105.0	12.0	117.0	60.0	60.0	60.0	59.3	45.7	36.0	28.8	23.4	19.3
108.0	12.0	120.0	60.0	60.0	60.0	57.9	44.6	35.1	28.1	22.8	18.8
111.0	12.0	123.0	60.0	60.0	60.0	55.5	43.5	34.2	27.4	22.3	18.3
114.0	12.0	126.0	60.0	60.0	55.9	51.1	42.4	33.4	26.7	21.7	17.9
117.0	12.0	129.0	60.0	57.1	51.6	47.2	41.5	32.6	26.1	21.2	17.5
120.0	12.0	132.0	59.2	52.8	47.8	43.7	40.3	31.9	25.5	20.7	17.1
123.0	12.0	135.0	54.9	49.0	44.3	40.5	37.3	31.2	24.9	20.3	16.7

Large and small missile impact up to wind zone 3

Chart #26 with Glass A, B, C & D

Double door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
80.0	18.0	98.0	75.0	75.0	75.0	70.8	54.6	42.9	34.4	27.9	23.0
84.0	18.0	102.0	75.0	75.0	75.0	68.1	52.4	41.2	33.0	26.8	22.1
87.0	18.0	105.0	75.0	75.0	75.0	66.1	50.9	40.1	32.1	26.1	21.5
90.0	18.0	108.0	75.0	75.0	75.0	64.3	49.5	38.9	31.2	25.4	20.9
93.0	18.0	111.0	75.0	75.0	75.0	62.6	48.2	37.9	30.3	24.7	20.3
96.0	18.0	114.0	75.0	75.0	75.0	60.9	46.9	36.9	29.5	24.0	19.8
99.0	18.0	117.0	75.0	75.0	75.0	59.3	45.7	36.0	28.8	23.4	19.3
102.0	18.0	120.0	75.0	75.0	75.0	57.9	44.6	35.1	28.1	22.8	18.8
105.0	18.0	123.0	75.0	75.0	71.9	56.4	43.5	34.2	27.4	22.3	18.3
108.0	18.0	126.0	75.0	72.8	65.9	55.1	42.4	33.4	26.7	21.7	17.9
111.0	18.0	129.0	75.0	67.0	60.6	53.8	41.5	32.6	26.1	21.2	17.5
114.0	18.0	132.0	69.2	61.8	55.9	51.1	40.5	31.9	25.5	20.7	17.1
117.0	18.0	135.0	63.9	57.1	51.6	47.2	39.6	31.2	24.9	20.3	16.7
120.0	18.0	138.0	59.2	52.8	47.8	43.7	38.8	30.5	24.4	19.8	16.3
123.0	18.0	141.0	54.9	49.0	44.3	40.5	37.3	29.8	23.9	19.4	16.0

Chart #27 with Glass E & F

Double door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
80.0	18.0	98.0	60.0	60.0	60.0	60.0	54.6	42.9	34.4	27.9	23.0
84.0	18.0	102.0	60.0	60.0	60.0	60.0	52.4	41.2	33.0	26.8	22.1
87.0	18.0	105.0	60.0	60.0	60.0	60.0	50.9	40.1	32.1	26.1	21.5
90.0	18.0	108.0	60.0	60.0	60.0	60.0	49.5	38.9	31.2	25.4	20.9
93.0	18.0	111.0	60.0	60.0	60.0	60.0	48.2	37.9	30.3	24.7	20.3
96.0	18.0	114.0	60.0	60.0	60.0	60.0	46.9	36.9	29.5	24.0	19.8
99.0	18.0	117.0	60.0	60.0	60.0	59.3	45.7	36.0	28.8	23.4	19.3
102.0	18.0	120.0	60.0	60.0	60.0	57.9	44.6	35.1	28.1	22.8	18.8
105.0	18.0	123.0	60.0	60.0	60.0	56.4	43.5	34.2	27.4	22.3	18.3
108.0	18.0	126.0	60.0	60.0	60.0	55.1	42.4	33.4	26.7	21.7	17.9
111.0	18.0	129.0	60.0	60.0	60.0	53.8	41.5	32.6	26.1	21.2	17.5
114.0	18.0	132.0	60.0	60.0	55.9	51.1	40.5	31.9	25.5	20.7	17.1
117.0	18.0	135.0	60.0	57.1	51.6	47.2	39.6	31.2	24.9	20.3	16.7
120.0	18.0	138.0	59.2	52.8	47.8	43.7	38.8	30.5	24.4	19.8	16.3
123.0	18.0	141.0	54.9	49.0	44.3	40.5	37.3	29.8	23.9	19.4	16.0

Chart #28 with Glass A, B, C & D

Double door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
80.0	24.0	104.0	75.0	75.0	75.0	66.8	51.4	40.4	32.4	26.3	21.7
84.0	24.0	108.0	75.0	75.0	75.0	64.3	49.5	38.9	31.2	25.4	20.9
87.0	24.0	111.0	75.0	75.0	75.0	62.6	48.2	37.9	30.3	24.7	20.3
90.0	24.0	114.0	75.0	75.0	75.0	60.9	46.9	36.9	29.5	24.0	19.8
93.0	24.0	117.0	75.0	75.0	75.0	59.3	45.7	36.0	28.8	23.4	19.3
96.0	24.0	120.0	75.0	75.0	75.0	57.9	44.6	35.1	28.1	22.8	18.8
99.0	24.0	123.0	75.0	75.0	75.0	56.4	43.5	34.2	27.4	22.3	18.3
102.0	24.0	126.0	75.0	75.0	73.3	55.1	42.4	33.4	26.7	21.7	17.9
105.0	24.0	129.0	75.0	75.0	71.6	53.8	41.5	32.6	26.1	21.2	17.5
108.0	24.0	132.0	75.0	72.8	65.9	52.6	40.5	31.9	25.5	20.7	17.1
111.0	24.0	135.0	75.0	67.0	60.6	51.4	39.6	31.2	24.9	20.3	16.7
114.0	24.0	138.0	69.2	61.8	55.9	50.3	38.8	30.5	24.4	19.8	16.3
117.0	24.0	141.0	63.9	57.1	51.6	47.2	37.9	29.8	23.9	19.4	16.0
120.0	24.0	144.0	59.2	52.8	47.8	43.7	37.1	29.2	23.4	19.0	15.7
123.0	24.0	147.0	54.9	49.0	44.3	40.5	36.4	28.6	22.9	18.6	15.3

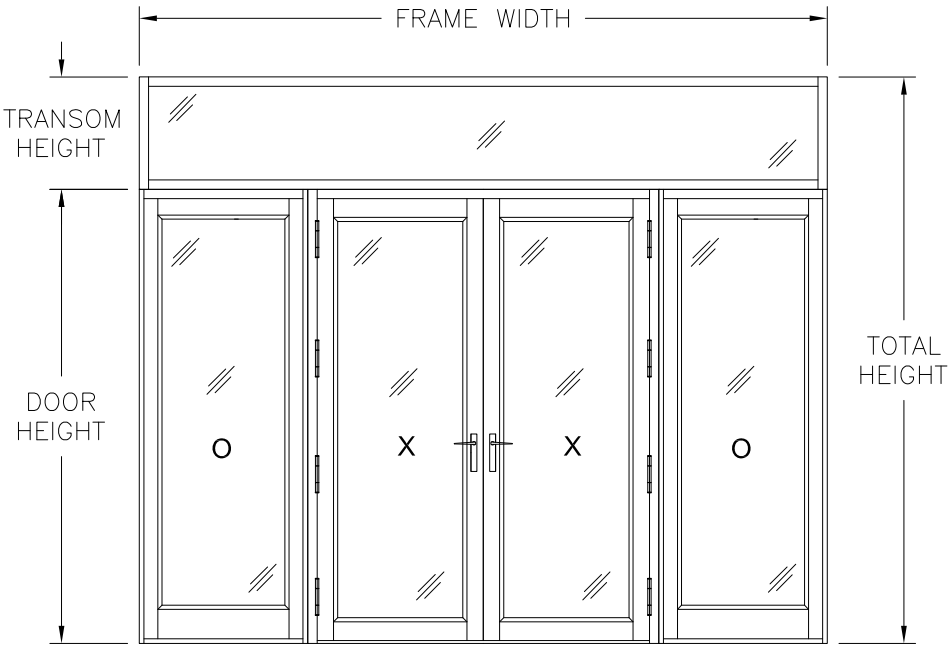
Large and small missile impact up to wind zone 3

Chart #29 with Glass E & F

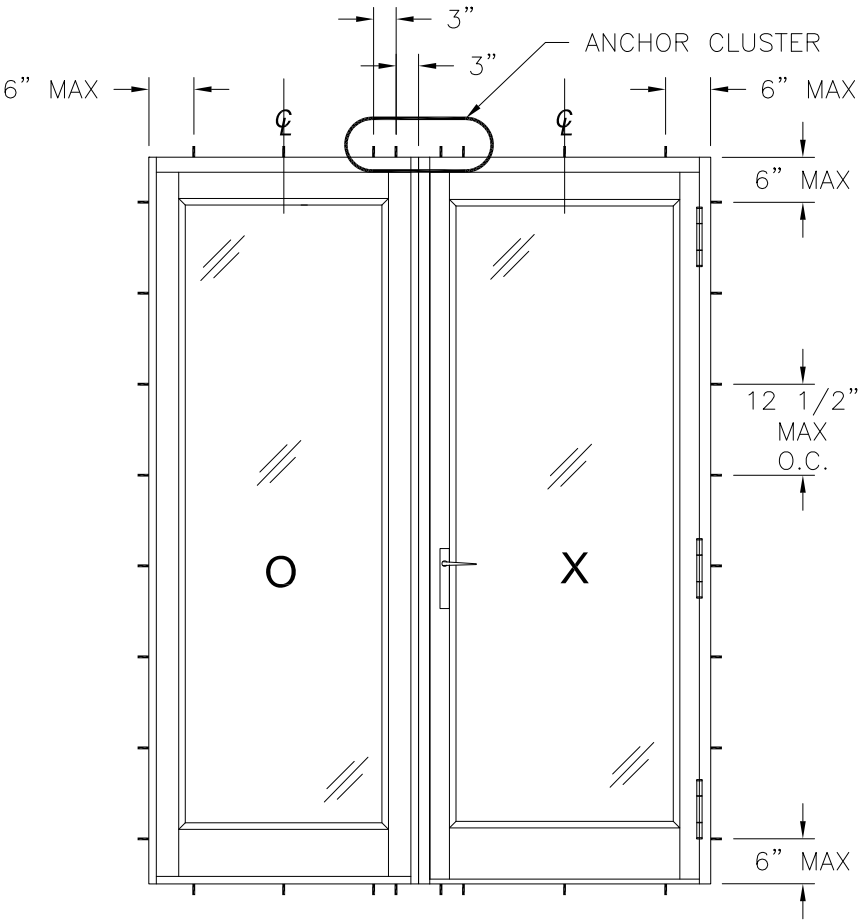
Double door with sidelites and transom ratings (psf)

Frame Height (in)			Frame width (in)								
Door	Transom	Total	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	192.0
80.0	24.0	104.0	60.0	60.0	60.0	60.0	51.4	40.4	32.4	26.3	21.7
84.0	24.0	108.0	60.0	60.0	60.0	60.0	49.5	38.9	31.2	25.4	20.9
87.0	24.0	111.0	60.0	60.0	60.0	60.0	48.2	37.9	30.3	24.7	20.3
90.0	24.0	114.0	60.0	60.0	60.0	60.0	46.9	36.9	29.5	24.0	19.8
93.0	24.0	117.0	60.0	60.0	60.0	59.3	45.7	36.0	28.8	23.4	19.3
96.0	24.0	120.0	60.0	60.0	60.0	57.9	44.6	35.1	28.1	22.8	18.8
99.0	24.0	123.0	60.0	60.0	60.0	56.4	43.5	34.2	27.4	22.3	18.3
102.0	24.0	126.0	60.0	60.0	60.0	55.1	42.4	33.4	26.7	21.7	17.9
105.0	24.0	129.0	60.0	60.0	60.0	53.8	41.5	32.6	26.1	21.2	17.5
108.0	24.0	132.0	60.0	60.0	60.0	52.6	40.5	31.9	25.5	20.7	17.1
111.0	24.0	135.0	60.0	60.0	60.0	51.4	39.6	31.2	24.9	20.3	16.7
114.0	24.0	138.0	60.0	60.0	55.9	50.3	38.8	30.5	24.4	19.8	16.3
117.0	24.0	141.0	60.0	57.1	51.6	47.2	37.9	29.8	23.9	19.4	16.0
120.0	24.0	144.0	59.2	52.8	47.8	43.7	37.1	29.2	23.4	19.0	15.7
123.0	24.0	147.0	54.9	49.0	44.3	40.5	36.4	28.6	22.9	18.6	15.3

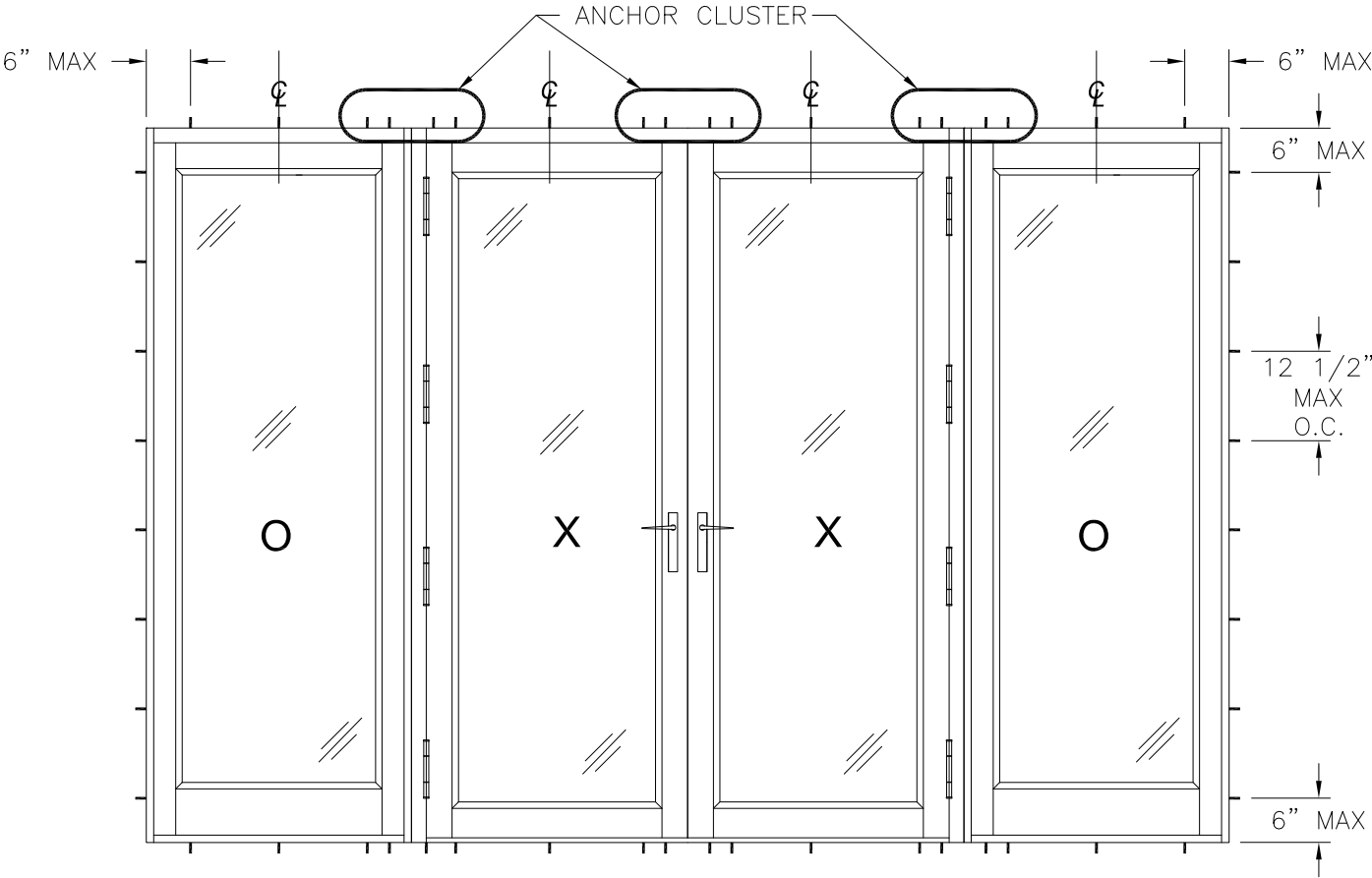
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SINGLE DOOR WITH SIDELITE
EXTERIOR VIEW



DOUBLE DOOR WITH SIDELITES
EXTERIOR VIEW

SIGNED: 11/09/2023



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
ANCHORING ELEVATIONS

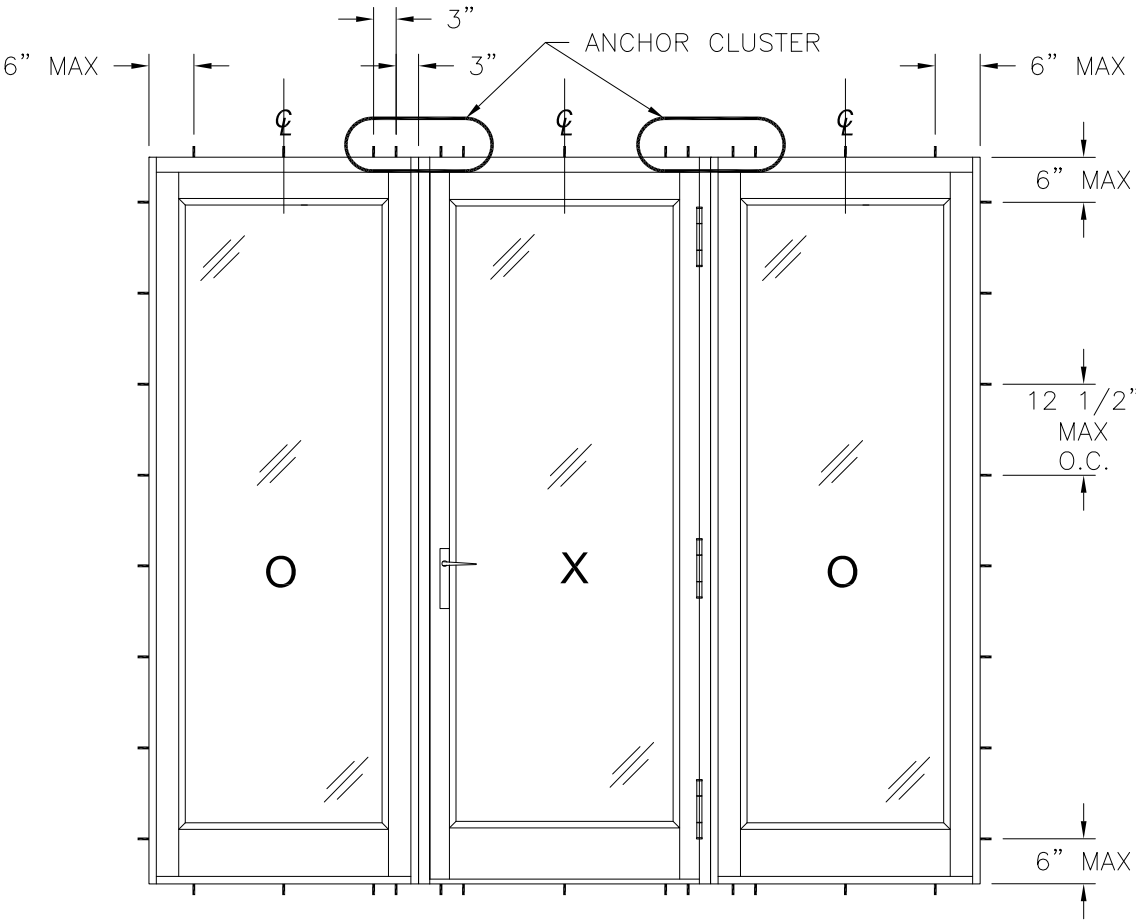
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SCALE NTS	DATE 08/01/2020	SHEET 9 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

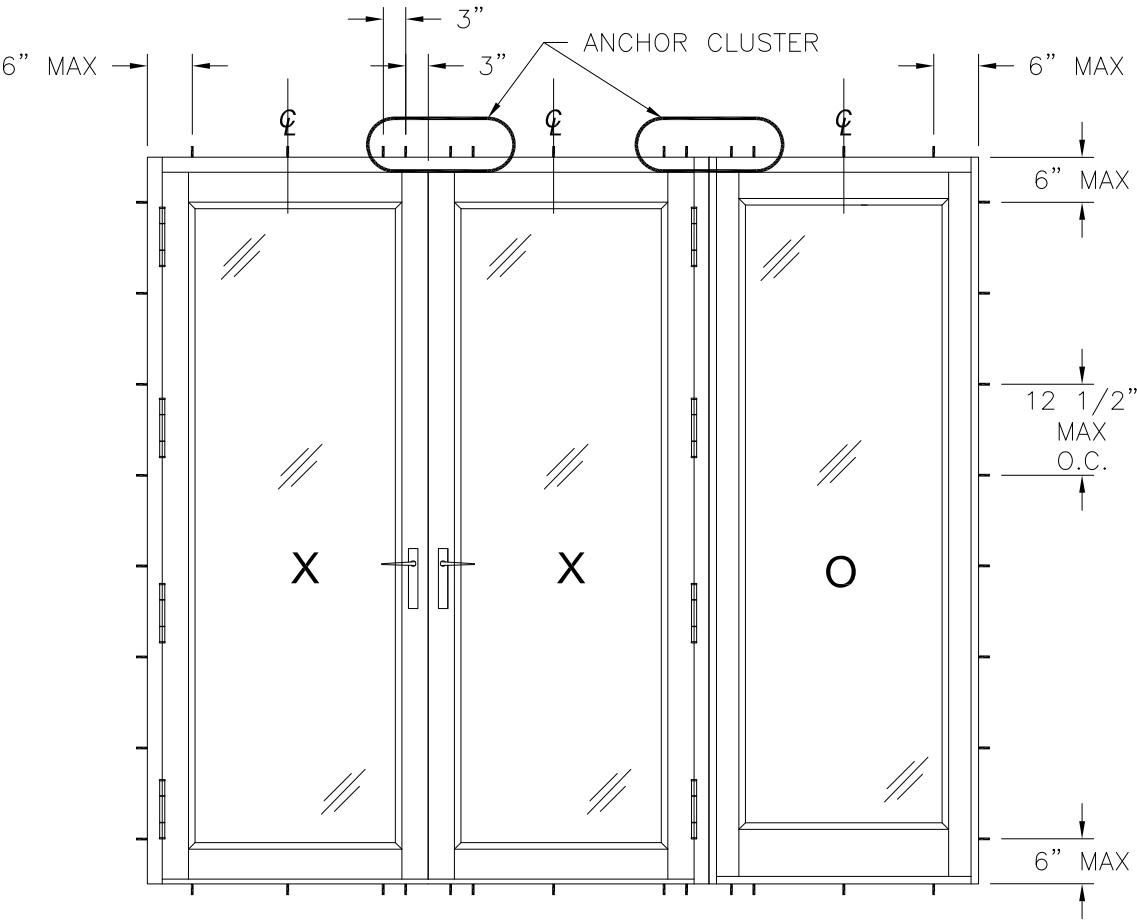


Luis R. Lomas P.E.
FL No.: 62514

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REV	DESCRIPTION	DATE	APPROVED



SINGLE DOOR WITH SIDELITES
EXTERIOR VIEW



DOUBLE DOOR WITH SIDELITE
EXTERIOR VIEW

SIGNED: 11/09/2023



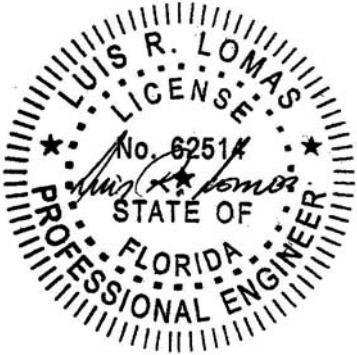
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ANCHORING ELEVATIONS

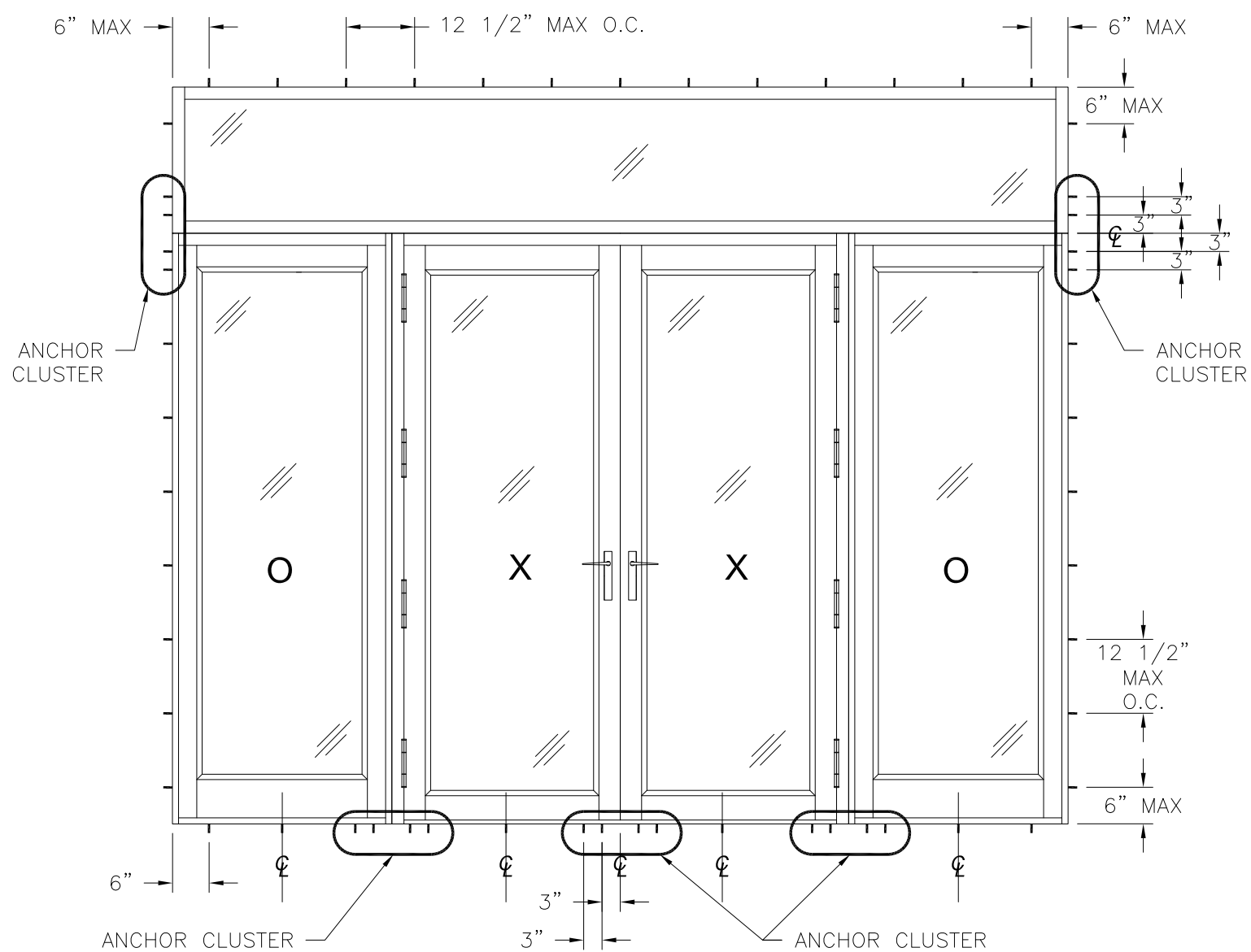
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SCALE NTS	DATE 08/01/2020	SHEET 10 OF 21

L. ROBERTO LOMAS P.E.
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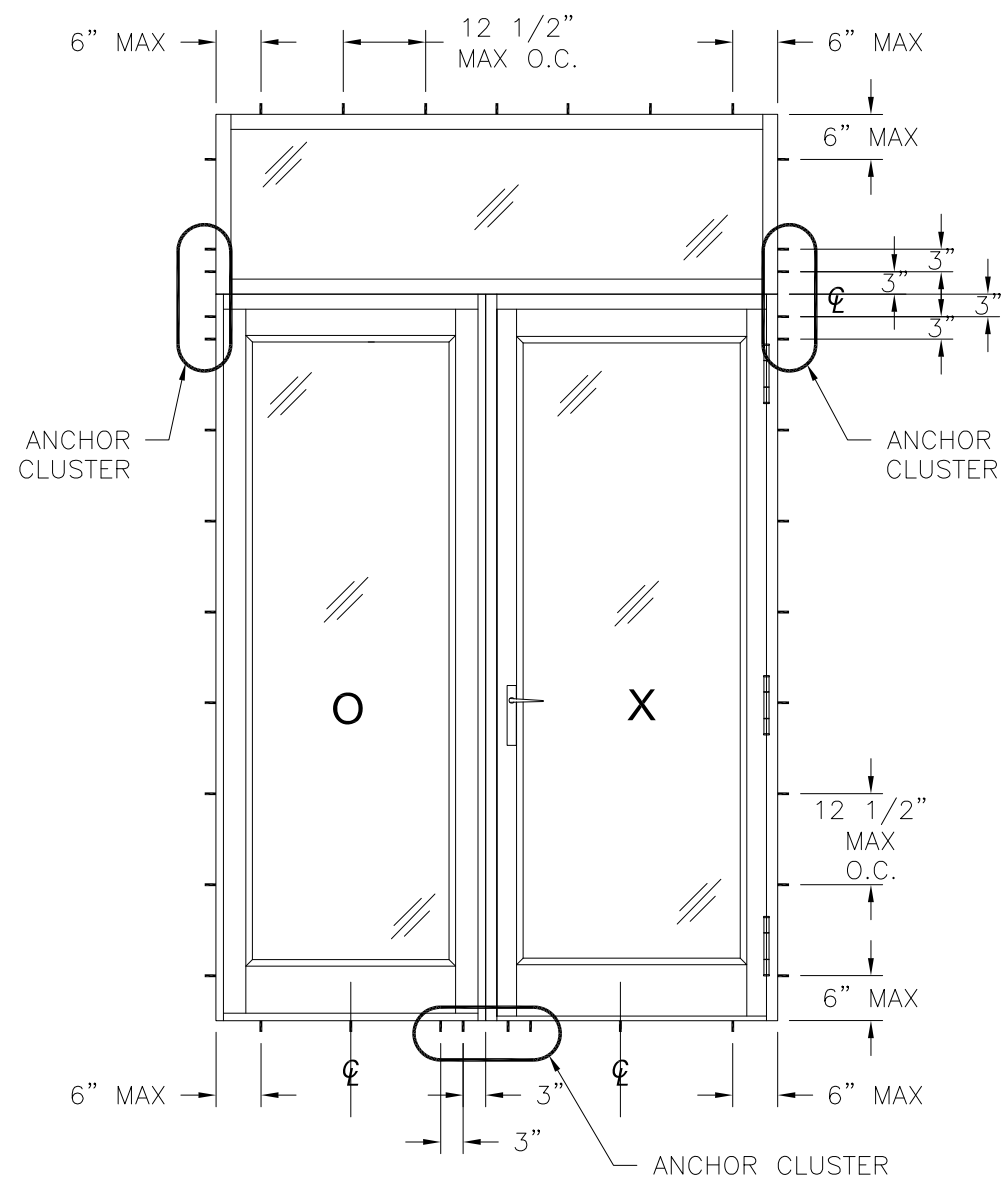


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DOUBLE DOOR WITH SIDELITES AND TRANSOM
EXTERIOR VIEW



SINGLE DOOR WITH SIDELITE AND TRANSOM
EXTERIOR VIEW

SIGNED: 11/09/2023



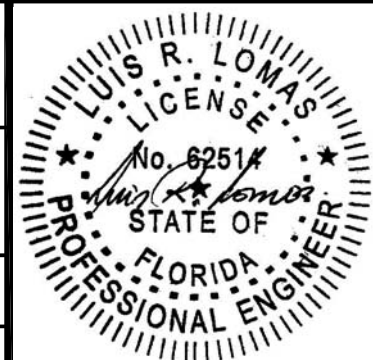
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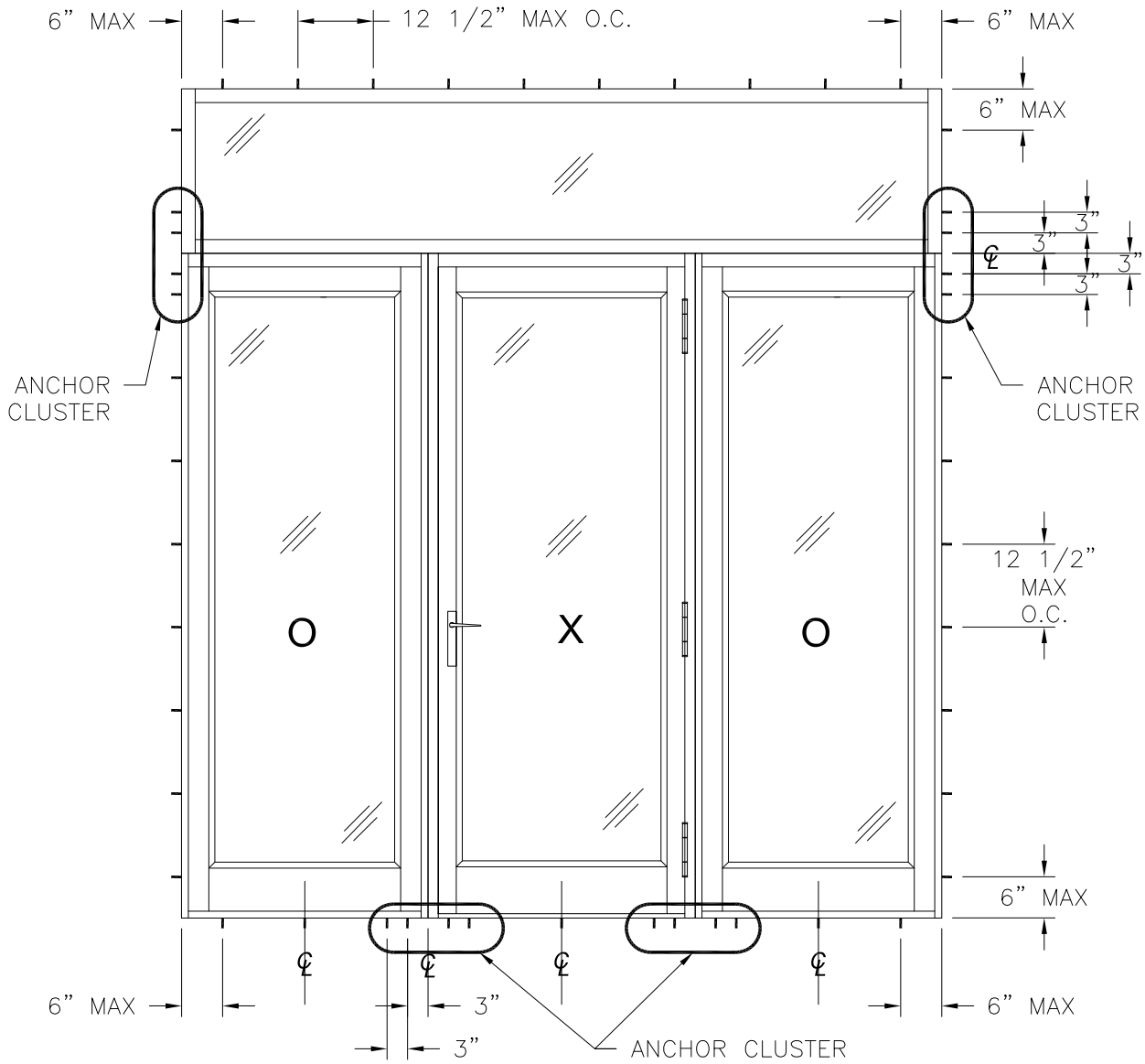
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SCALE NTS	DATE 08/01/2020	SHEET 11 OF 21

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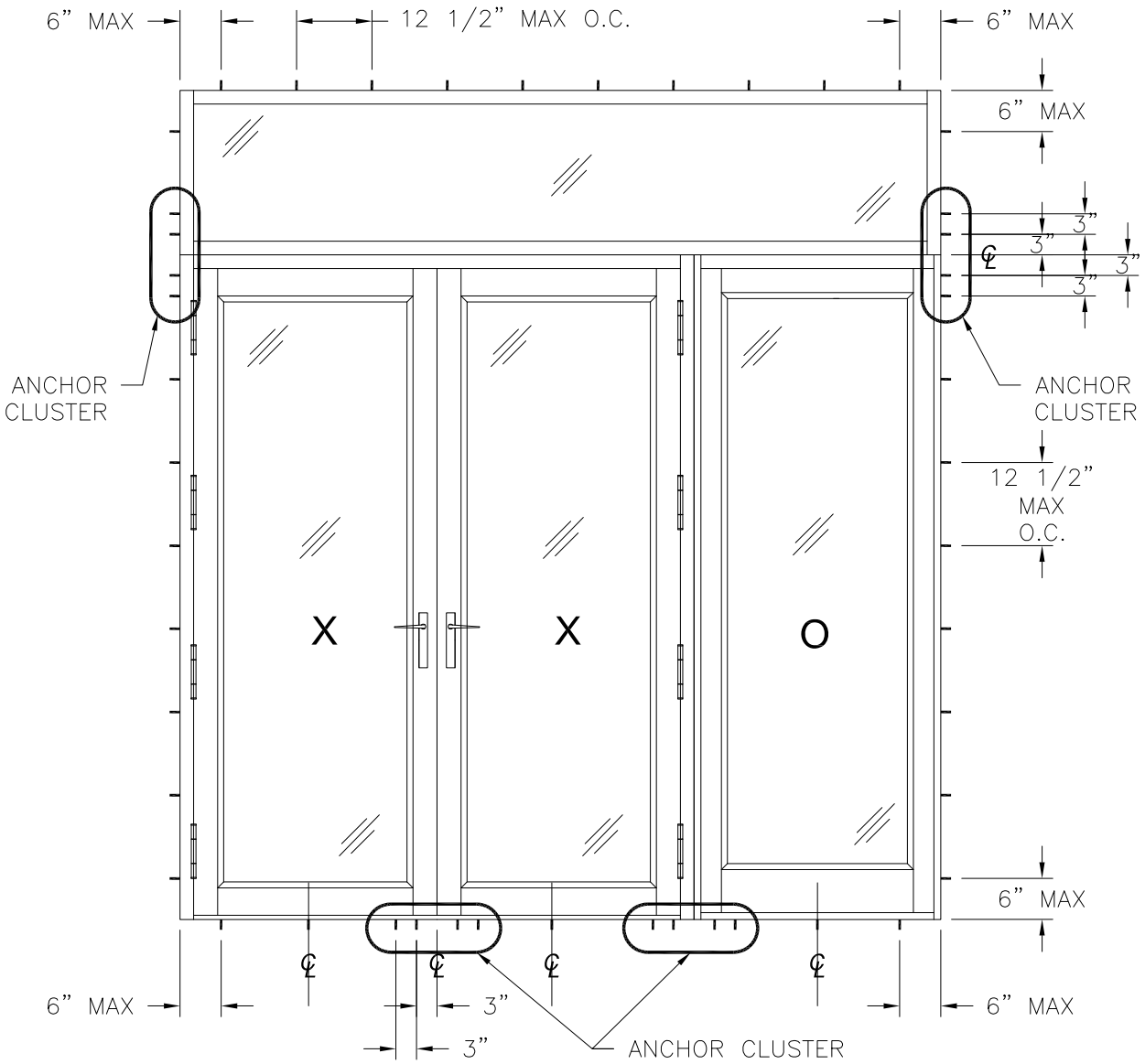


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SINGLE DOOR WITH SIDELITES AND TRANSOM
EXTERIOR VIEW



DOUBLE DOOR WITH SIDELITE AND TRANSOM
EXTERIOR VIEW

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EASTERN ARCHITECTURAL SYSTEMS
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5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
ANCHORING ELEVATIONS

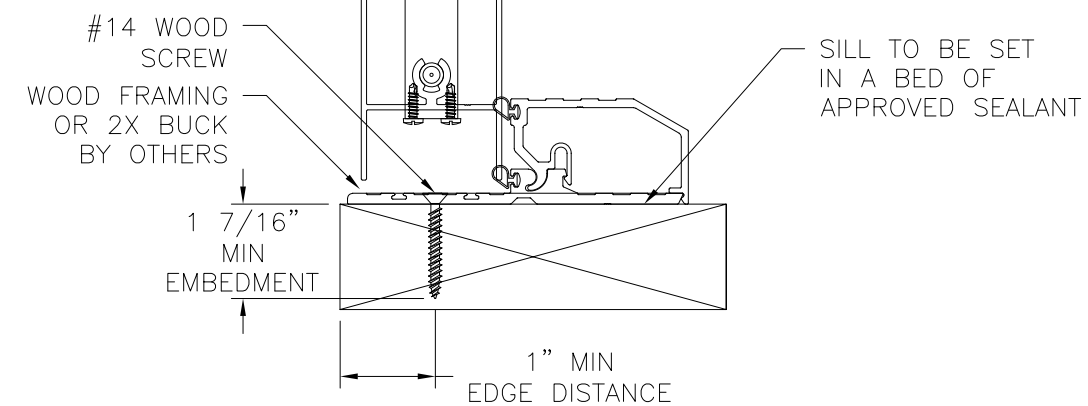
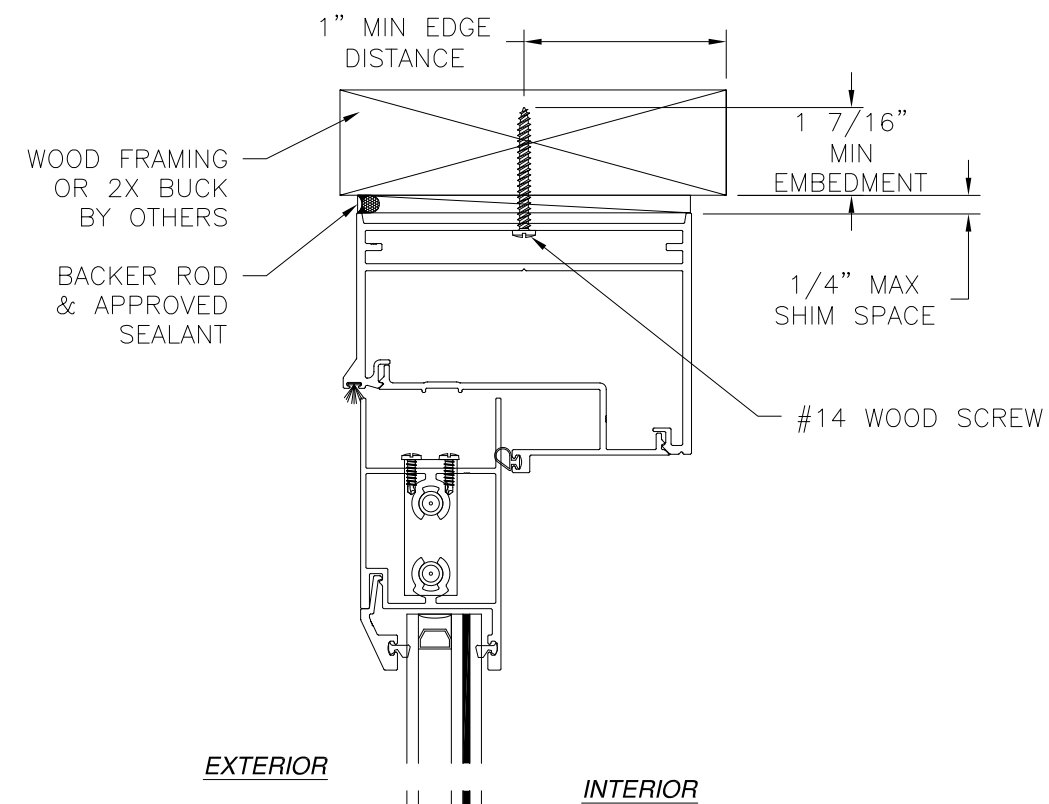
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SCALE NTS	DATE 08/01/2020	SHEET 12 OF 21

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434-688-0609 rllomas@lrlomaspe.com

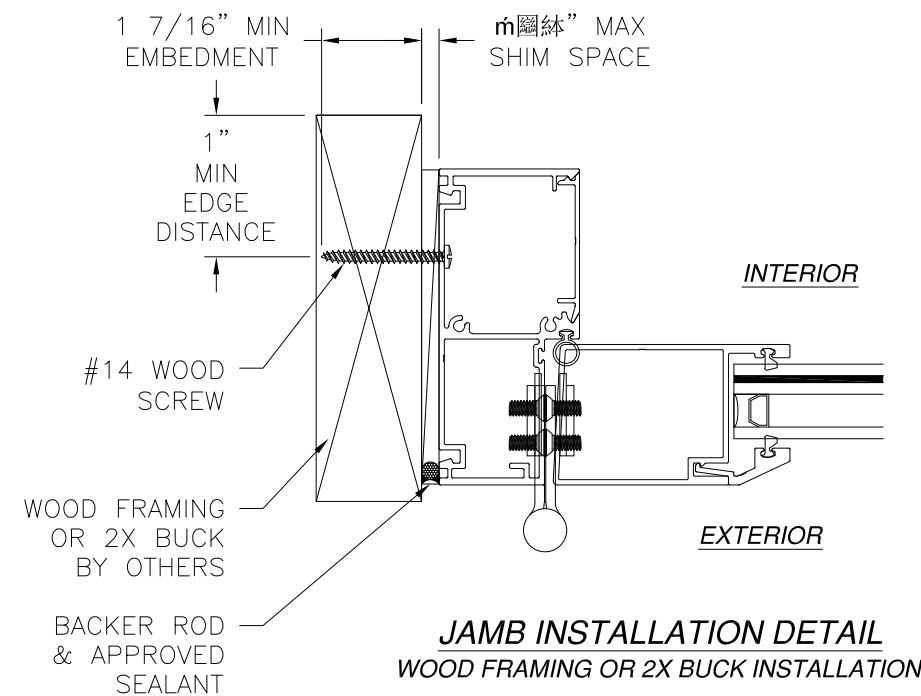


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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



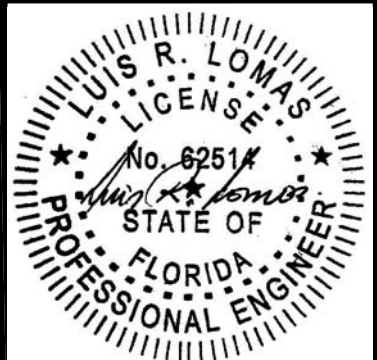
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

NOTES:

1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

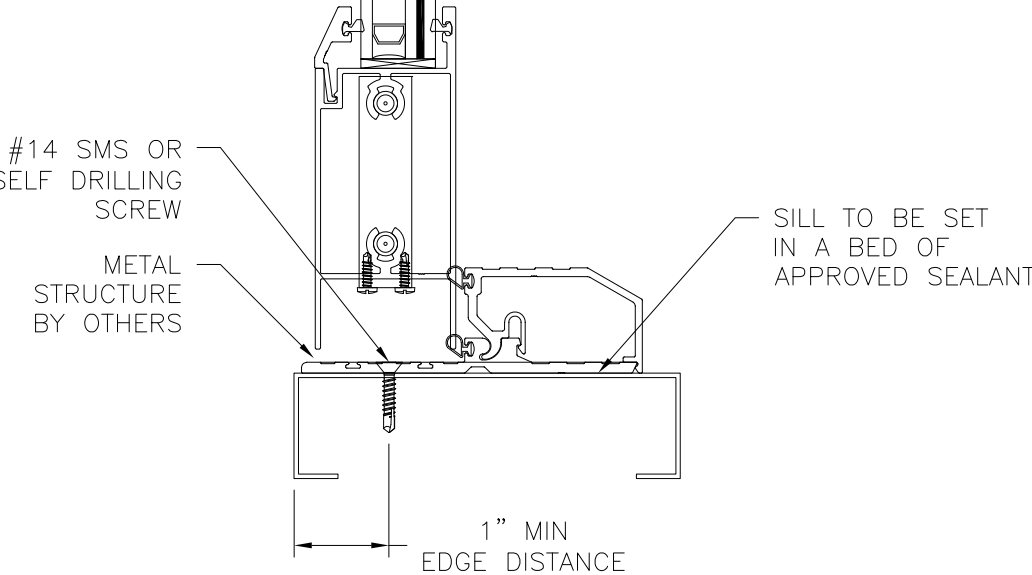
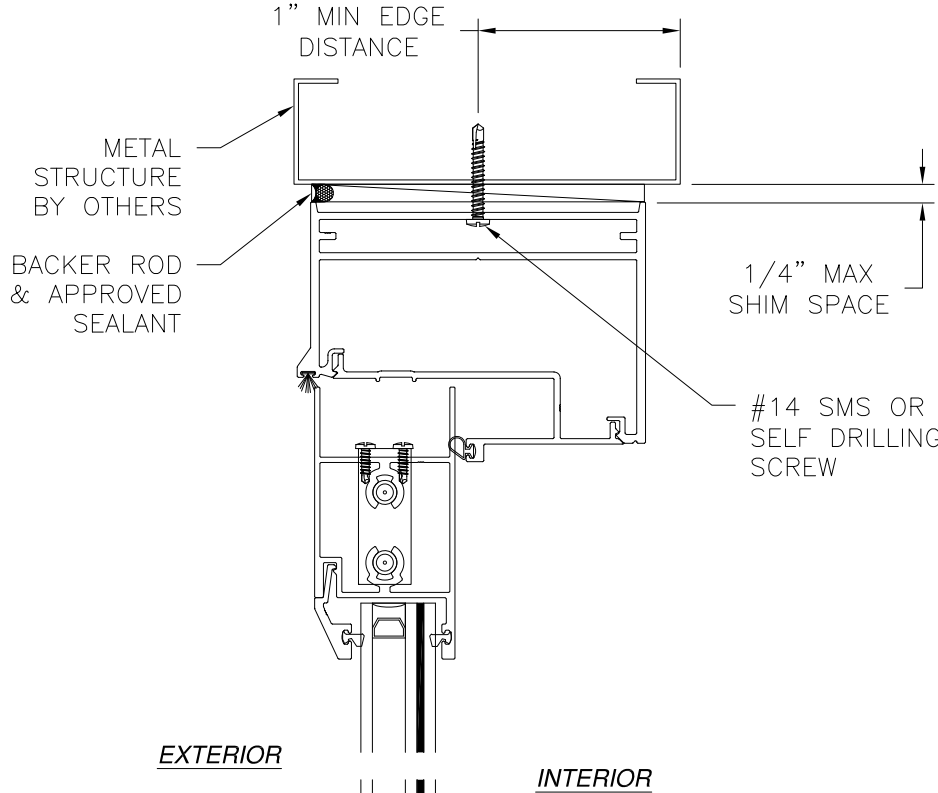
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		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
5000 SERIES ALUMINUM FRENCH DOORS MULLED IMPACT DOOR INSTALLATION DETAILS			
DRAWN: R.L.		DWG NO. 08-03561	REV A
SCALE NTS	DATE 08/01/2020	SHEET 13 OF 21	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

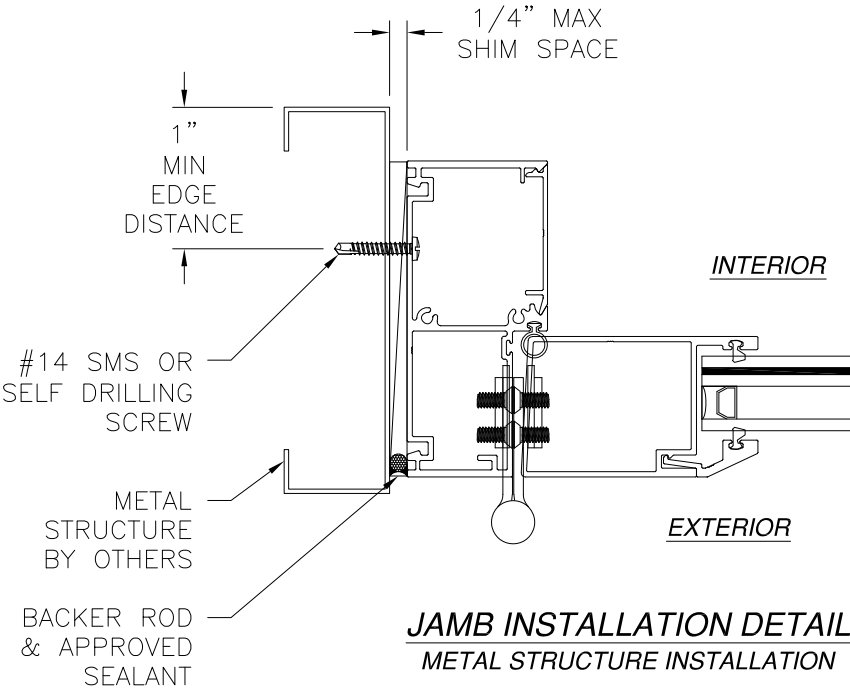


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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/09/2023



EASTERN ARCHITECTURAL SYSTEMS

A DIVISION OF

EASTERN METAL SUPPLY

16341 DOMESTIC AVE

FORT MYERS, FL 33912

800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS

MULLED IMPACT

DOOR INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
R.L.	08-03561	A
SCALE NTS	DATE 08/01/2020	SHEET 14 OF 21

L. ROBERTO LOMAS P.E.

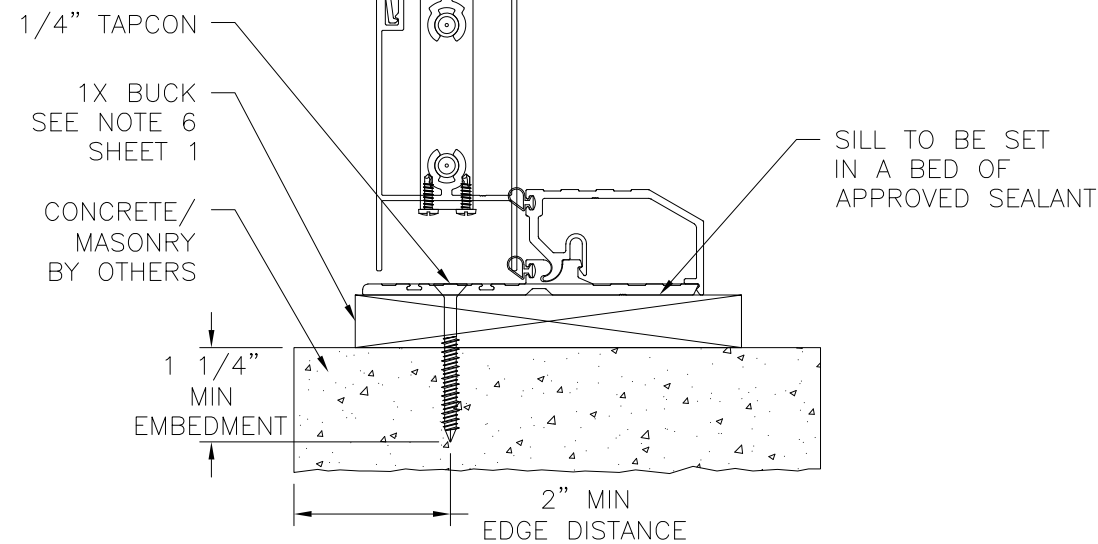
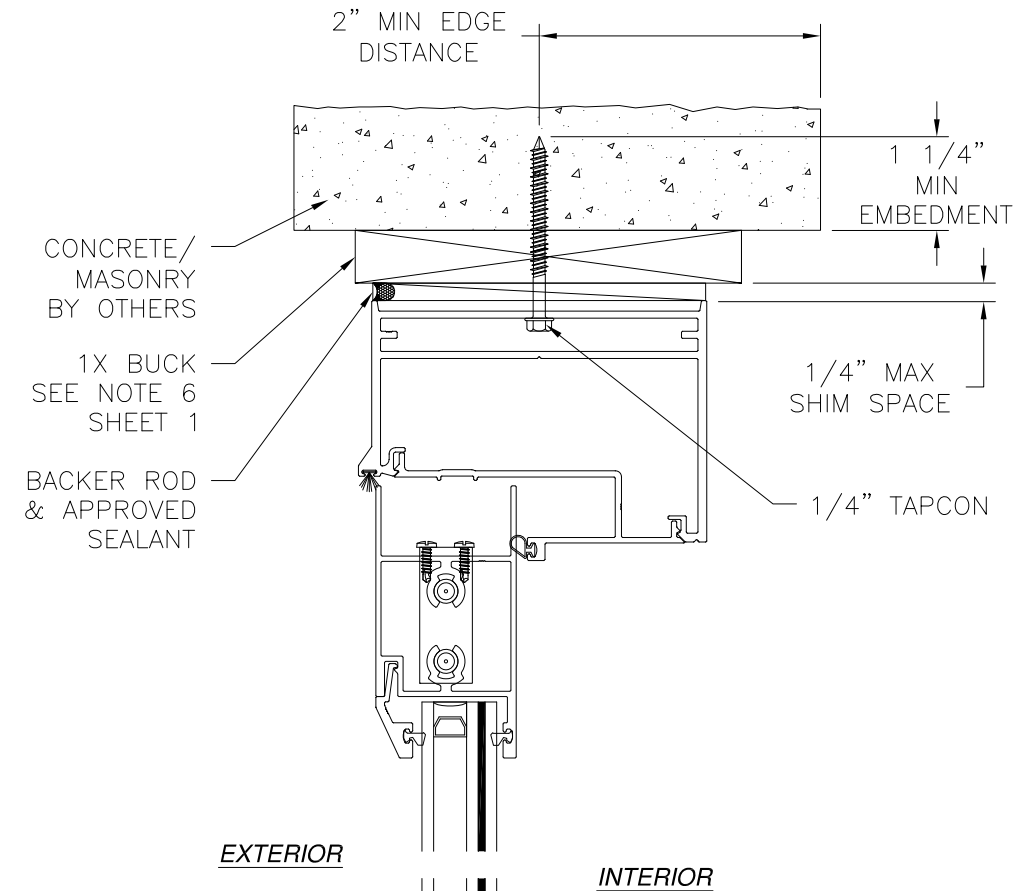
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

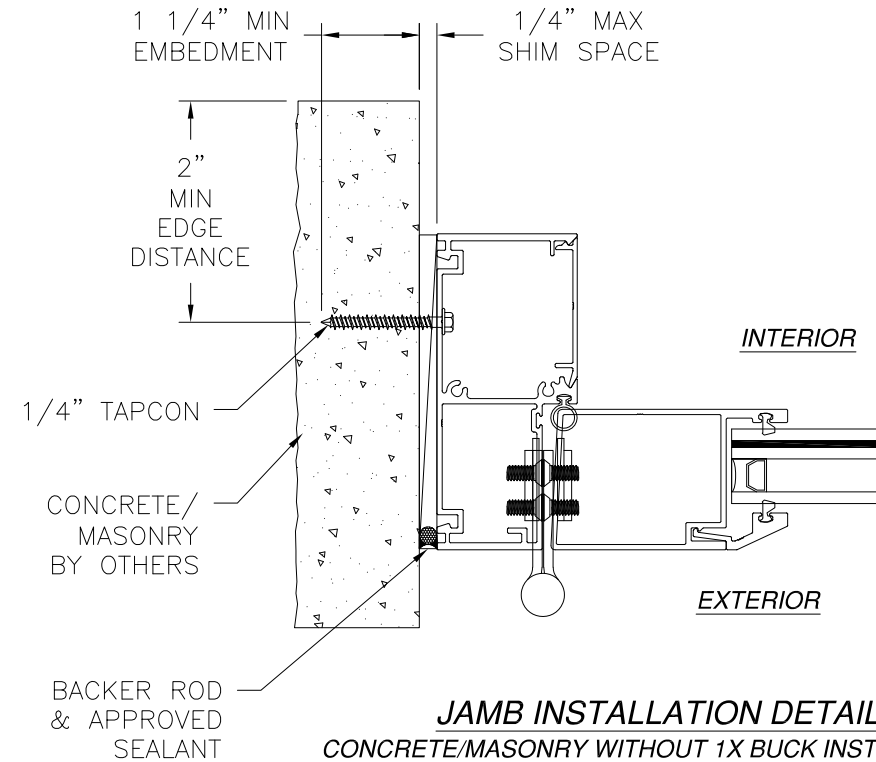


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL



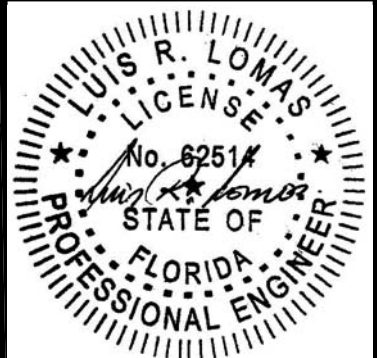
JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS

NOTES:

1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

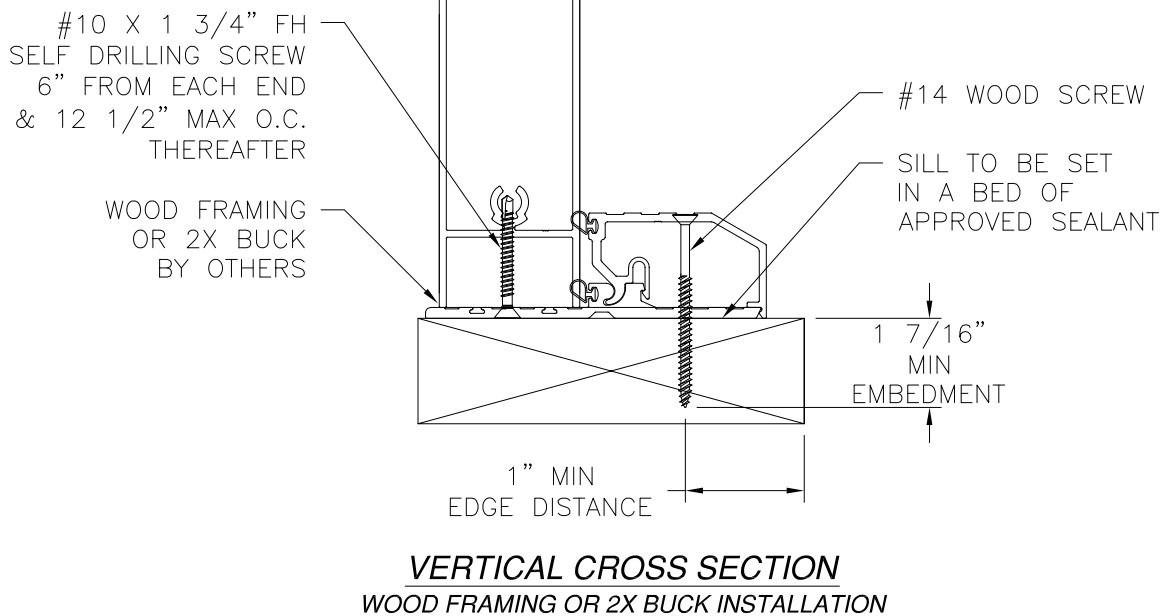
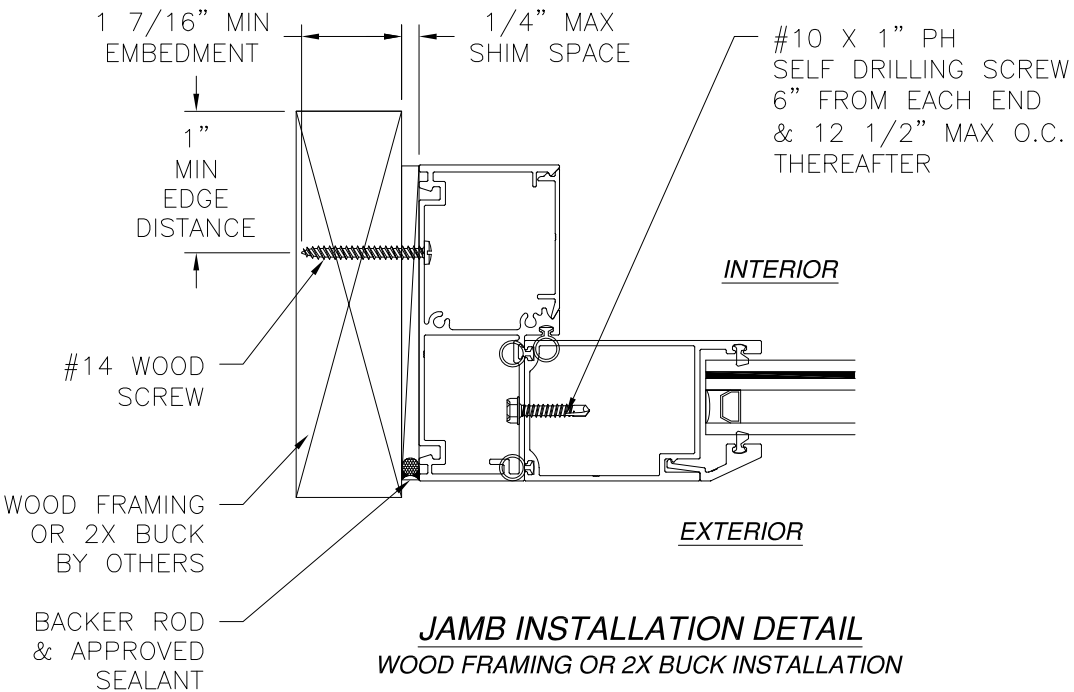
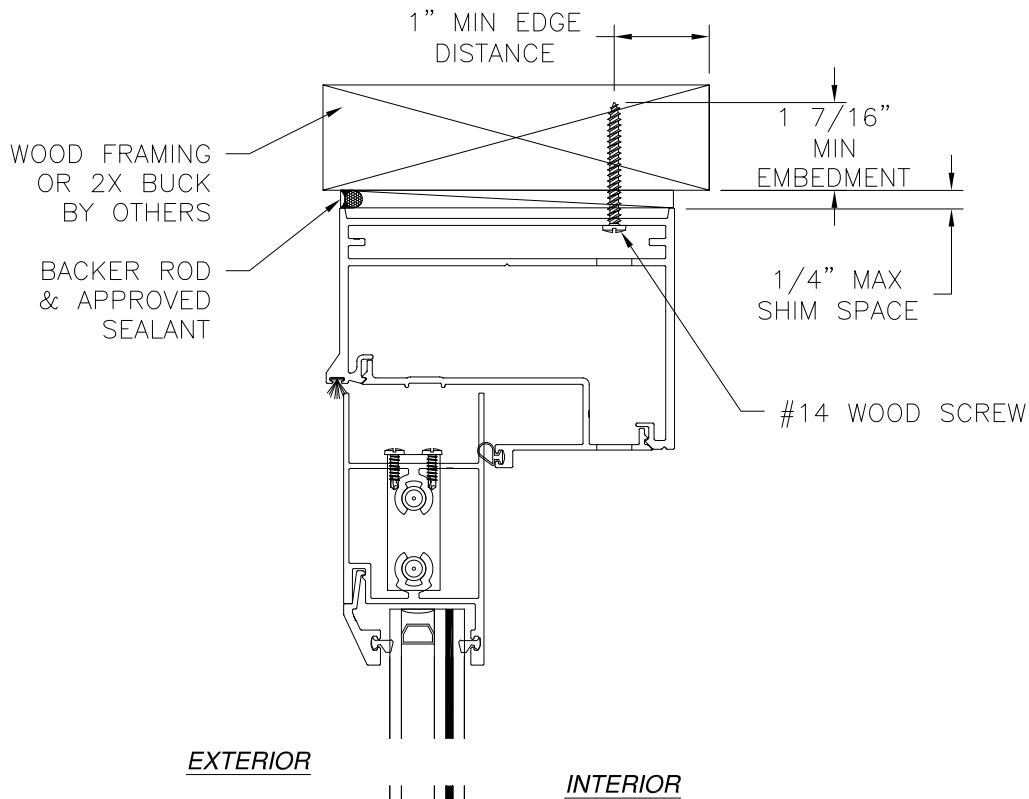
SIGNED: 11/09/2023

		EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
5000 SERIES ALUMINUM FRENCH DOORS MULLED IMPACT DOOR INSTALLATION DETAILS			
DRAWN: R.L.		DWG NO. 08-03561	
SCALE NTS		DATE 08/01/2020	
SHEET 15		OF 21	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			



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FL No.: 62514

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EASTERN ARCHITECTURAL SYSTEMS

A DIVISION OF

EASTERN METAL SUPPLY

16341 DOMESTIC AVE

FORT MYERS, FL 33912

800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS

MULLED IMPACT

SIDELITE INSTALLATION DETAILS

DRAWN: R.L.

DWG NO. 08-03561

REV A

SCALE NTS

DATE 08/01/2020

SHEET 16 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

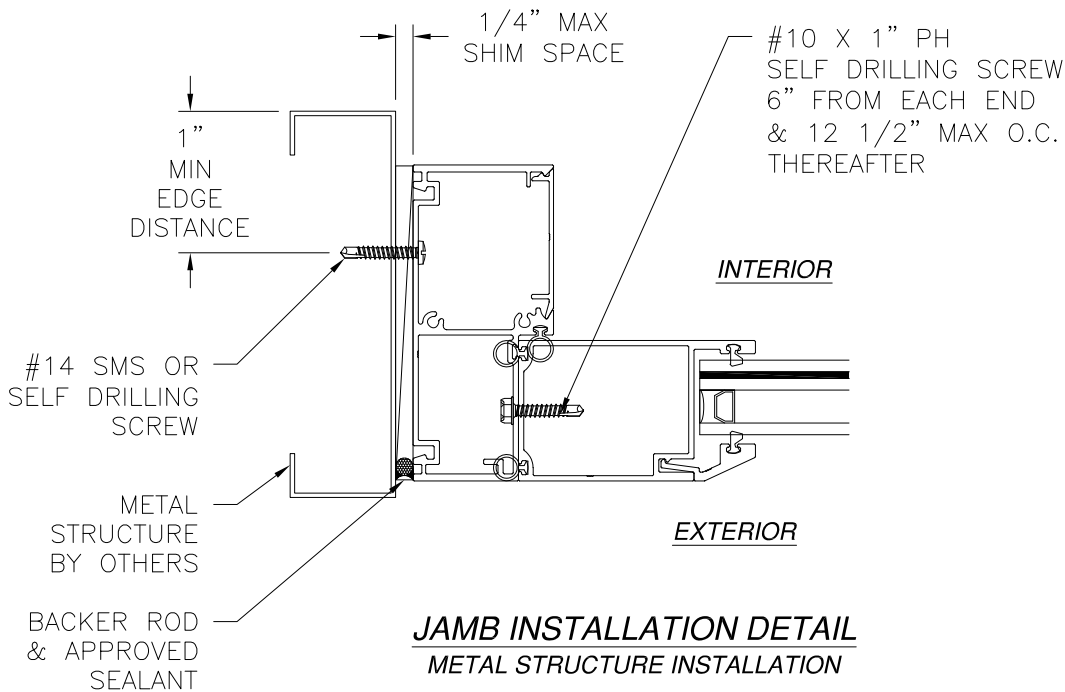
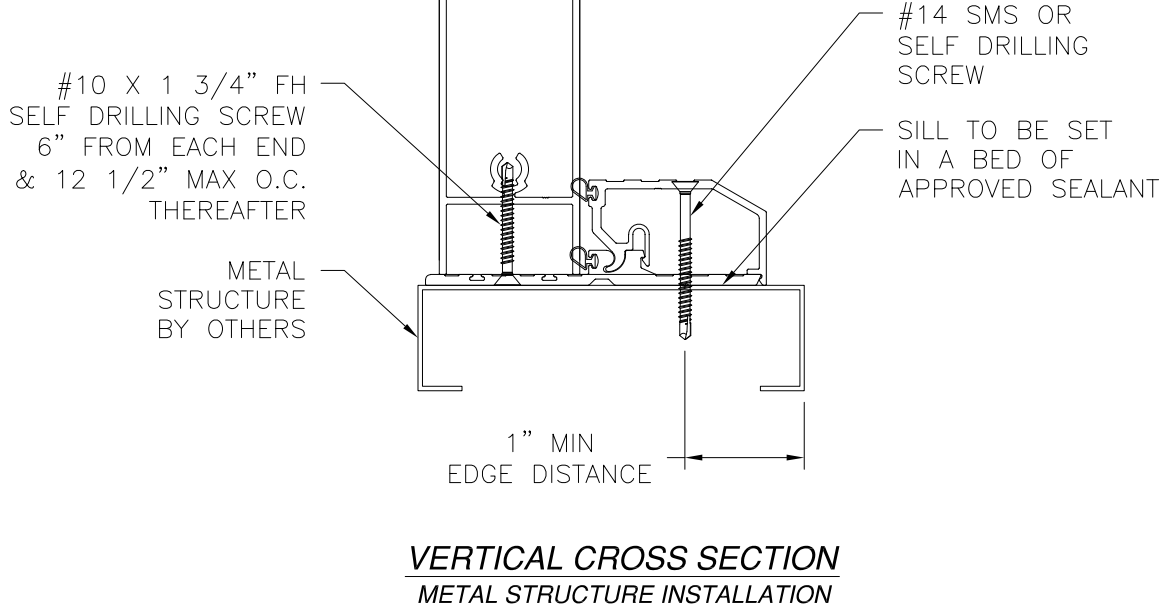
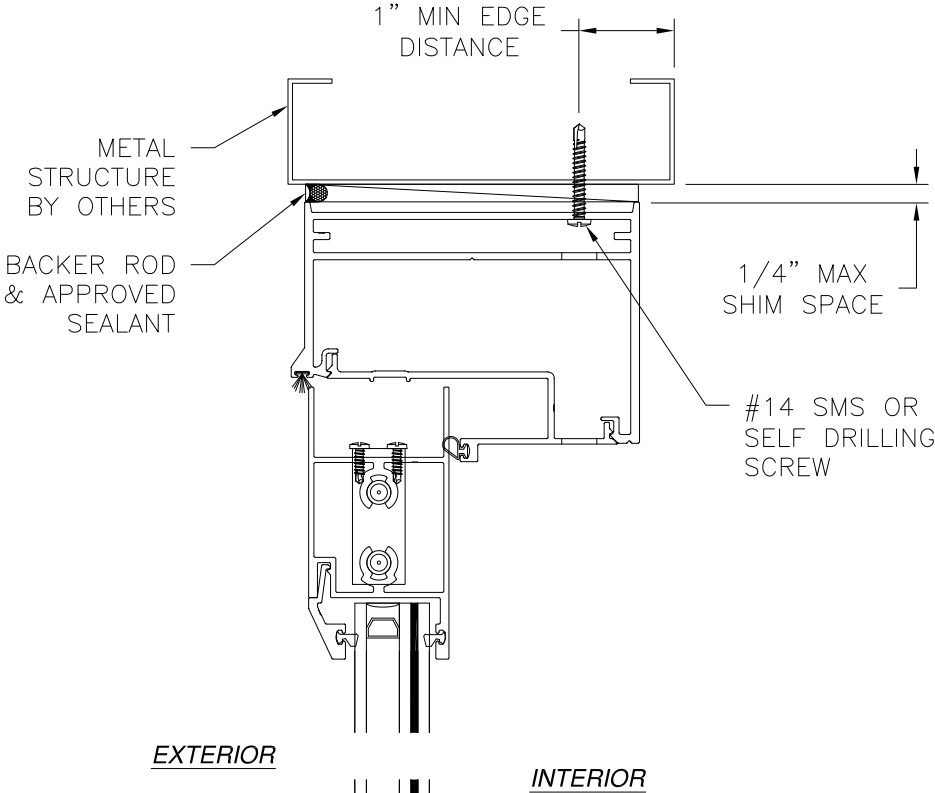
434-688-0609 rllomas@lrlomaspe.com

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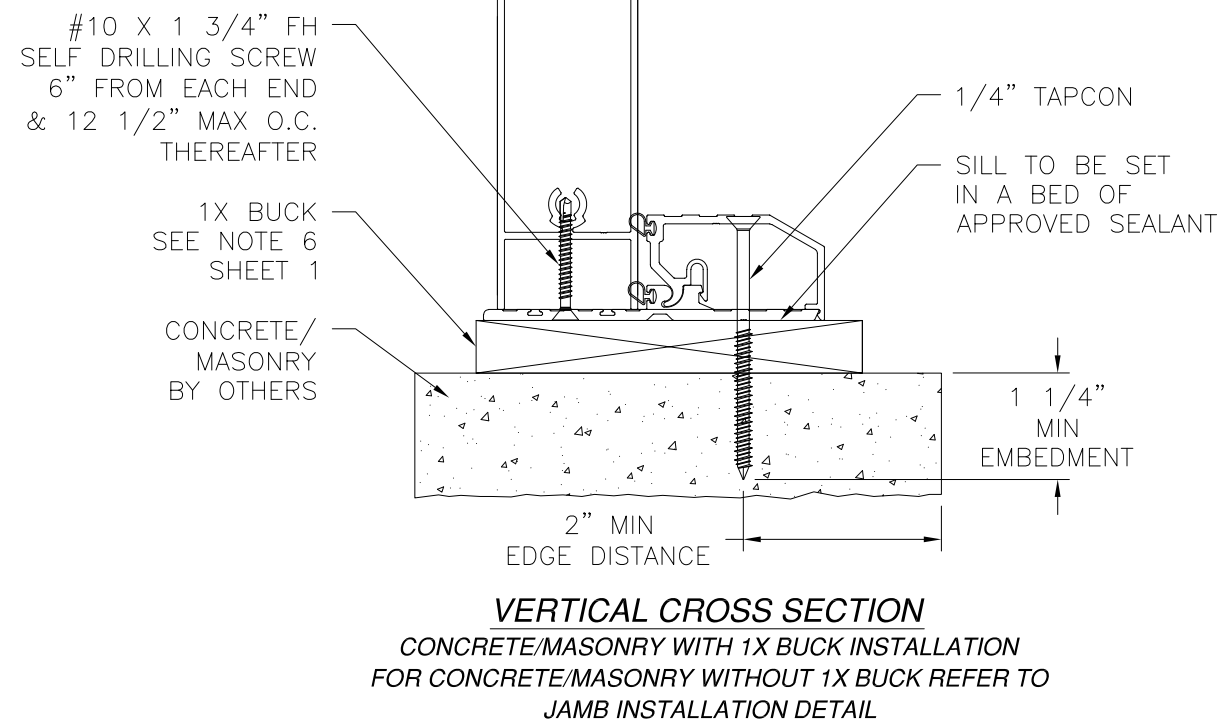
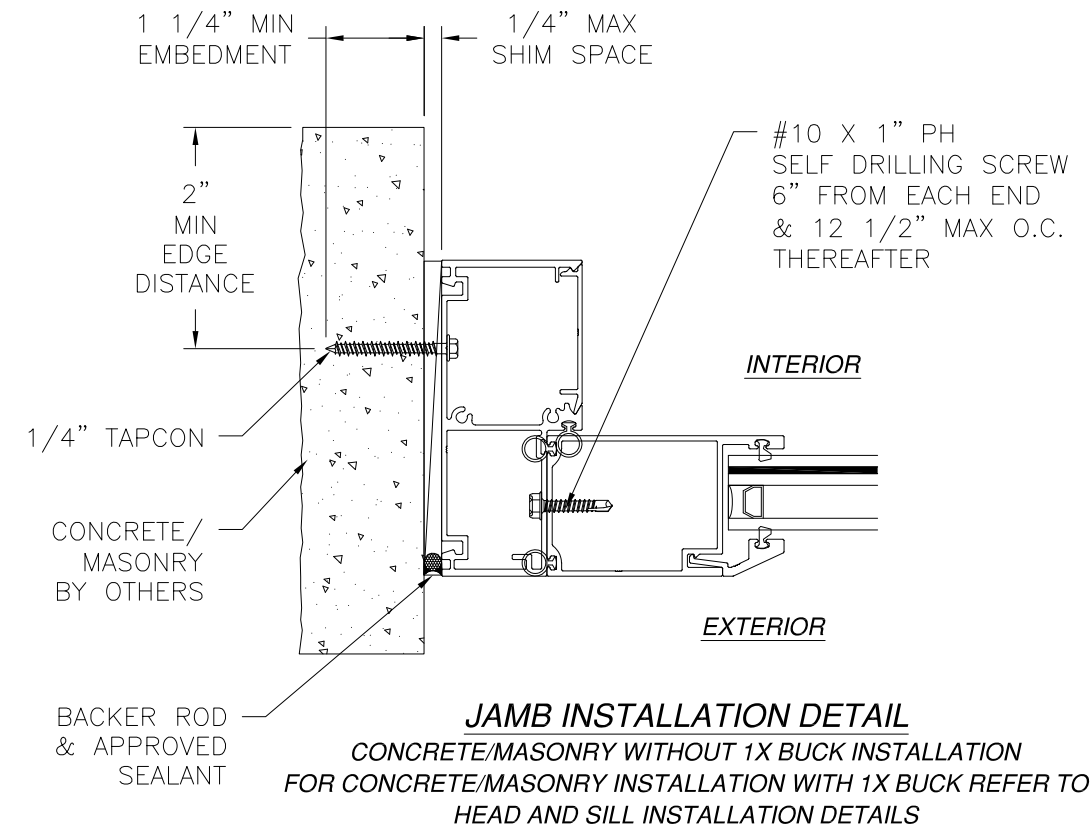
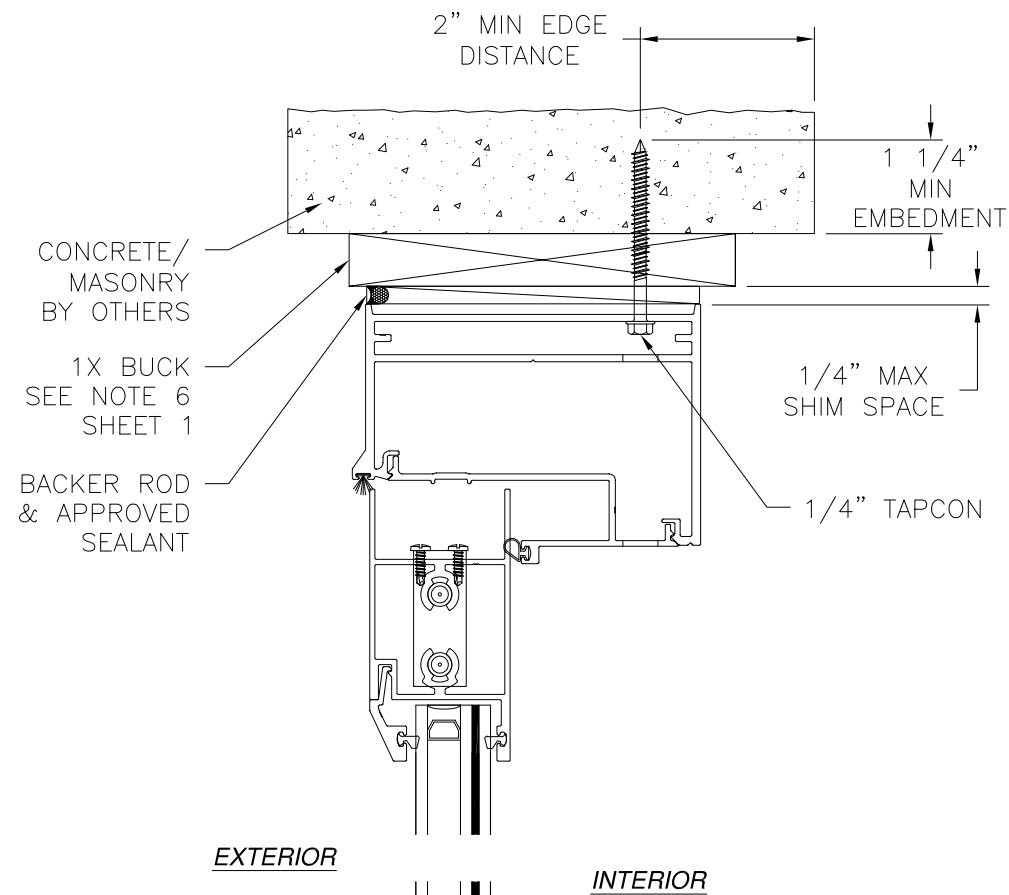
SIGNED: 11/09/2023

 EASTERN ARCHITECTURAL SYSTEMS A DIVISION OF EASTERN METAL SUPPLY 16341 DOMESTIC AVE FORT MYERS, FL 33912 800-432-2204	
5000 SERIES ALUMINUM FRENCH DOORS MULLED IMPACT SIDELITE INSTALLATION DETAILS	
DRAWN: R.L.	DWG NO. 08-03561
SCALE NTS	DATE 08/01/2020
SHEET 17 OF 21	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com	



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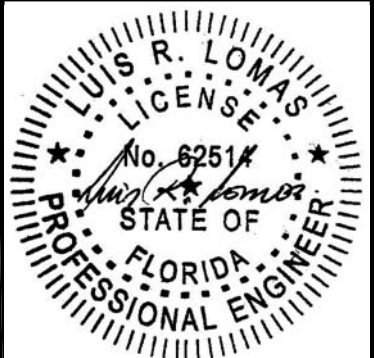
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



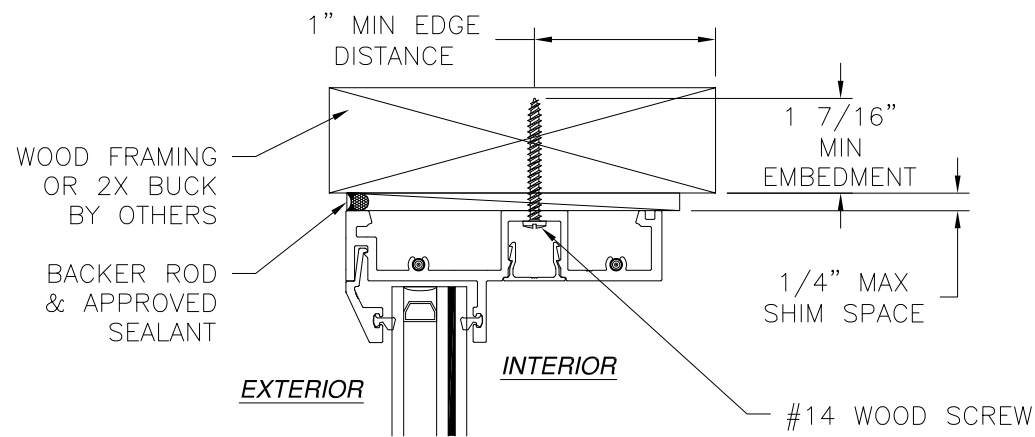
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/09/2023

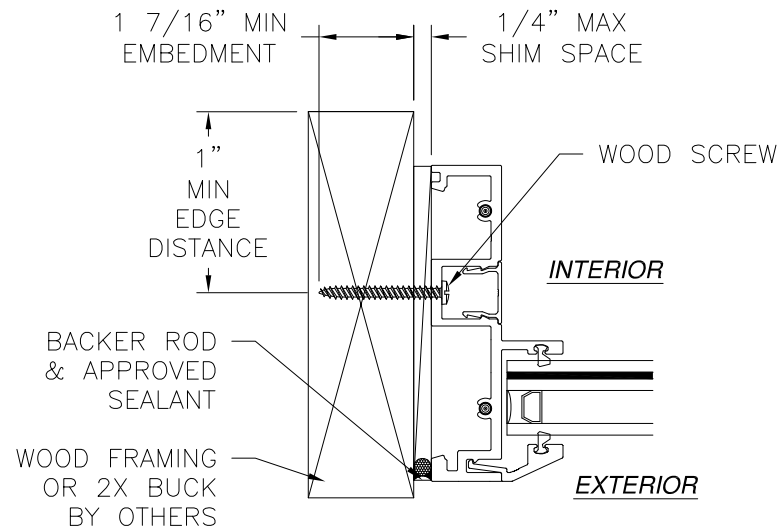
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5000 SERIES ALUMINUM FRENCH DOORS MULLED IMPACT SIDELITE INSTALLATION DETAILS			
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SCALE NTS	DATE 08/01/2020	SHEET 18 OF 21	
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			



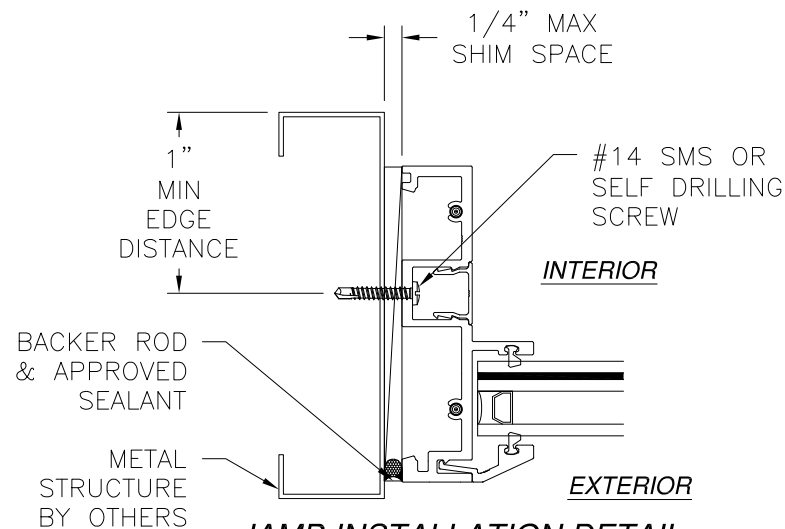
Luis R. Lomas P.E.
FL No.: 62514



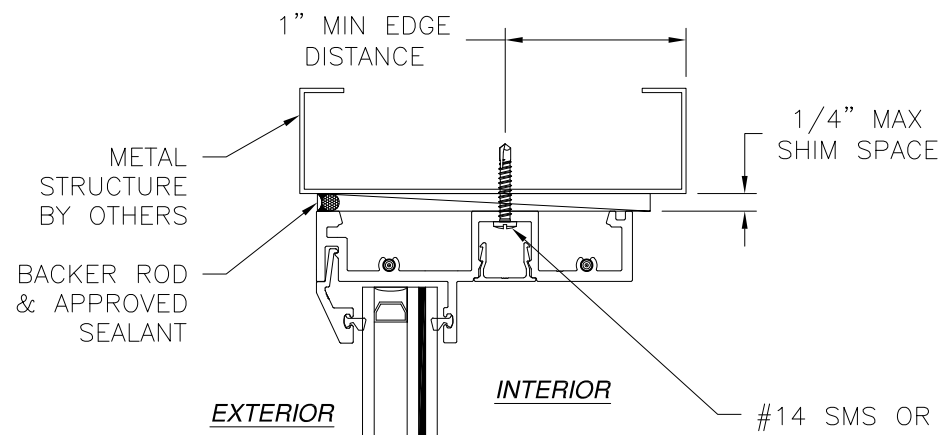
VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

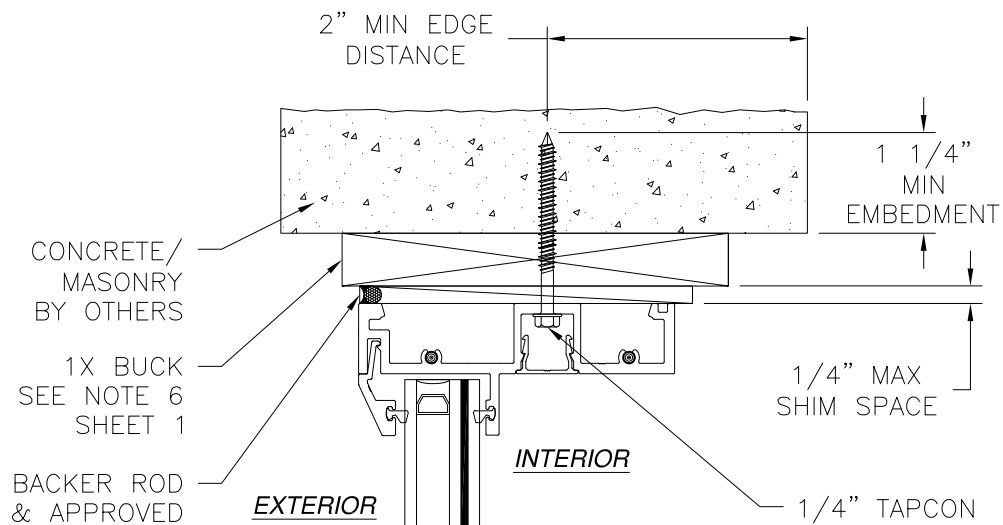


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METAL STRUCTURE INSTALLATION

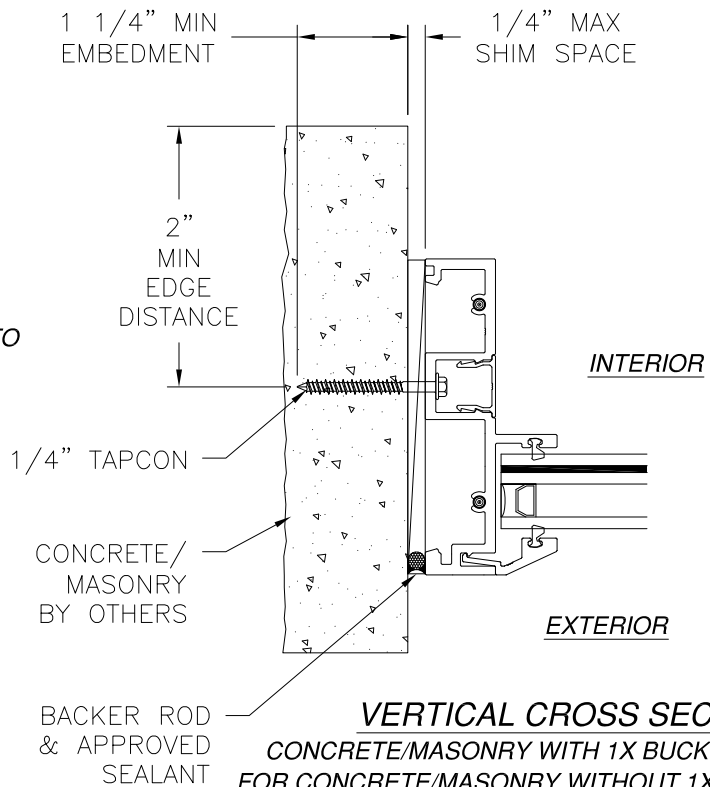


VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION

- NOTES:**
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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY WITHOUT 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY INSTALLATION WITH 1X BUCK REFER TO
HEAD AND SILL INSTALLATION DETAILS



VERTICAL CROSS SECTION
CONCRETE/MASONRY WITH 1X BUCK INSTALLATION
FOR CONCRETE/MASONRY WITHOUT 1X BUCK REFER TO
JAMB INSTALLATION DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY

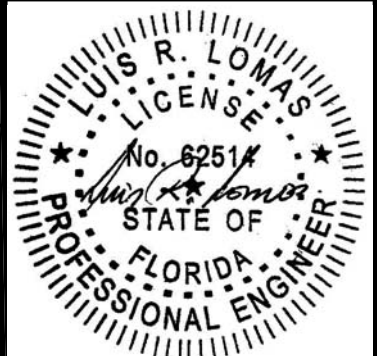
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
TRANSOM INSTALLATION DETAILS

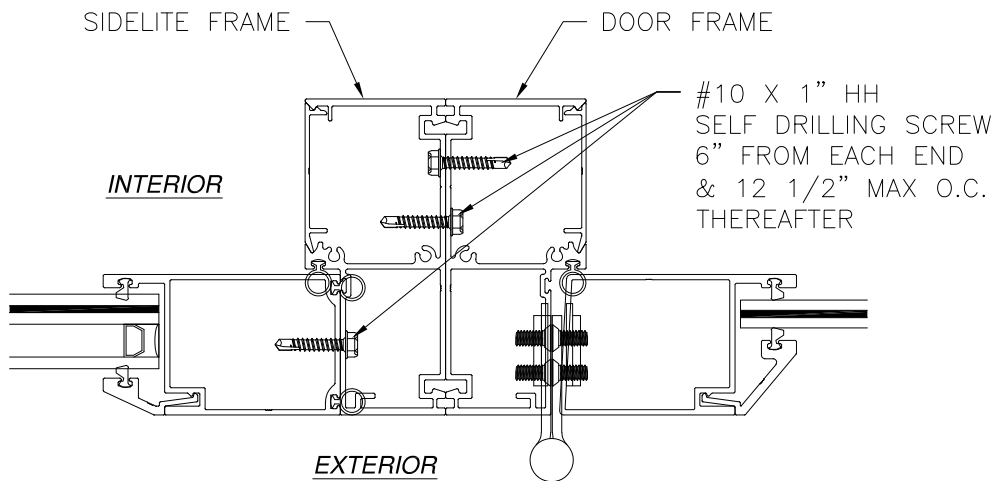
DRAWN: R.L.	DWG NO. 08-03561	REV A
SCALE NTS	DATE 08/01/2020	SHEET 19 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

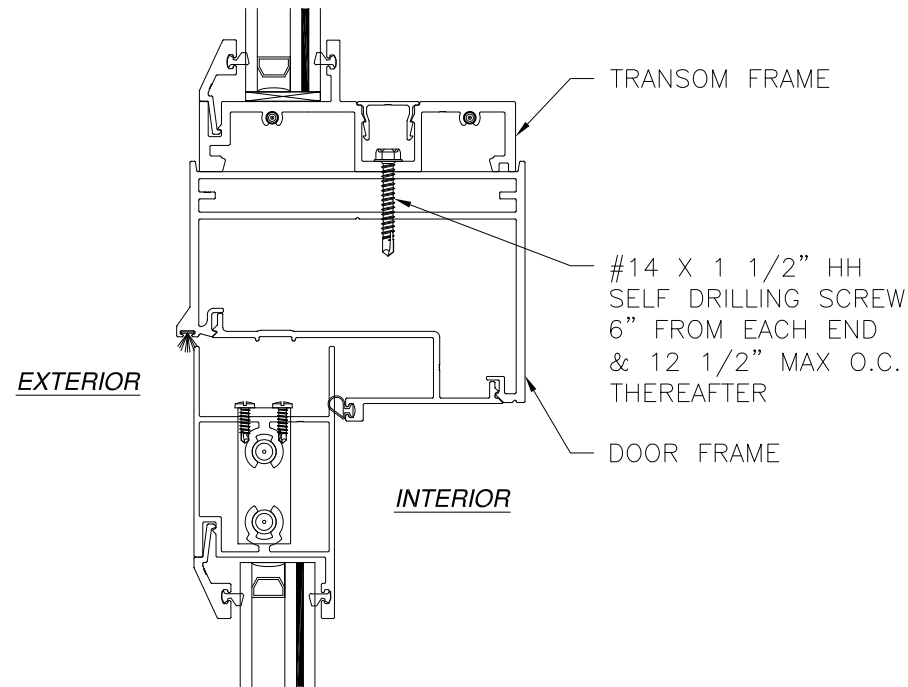
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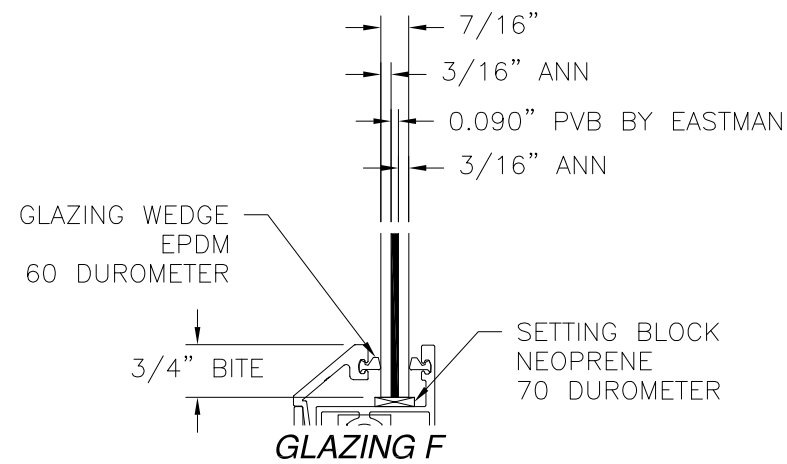
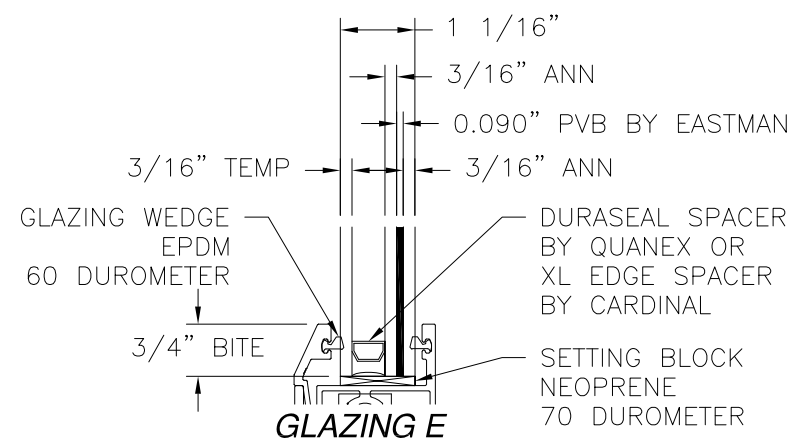
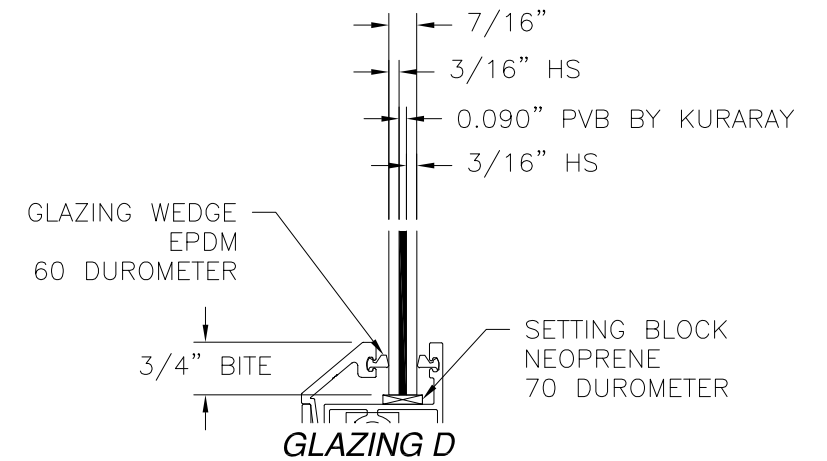
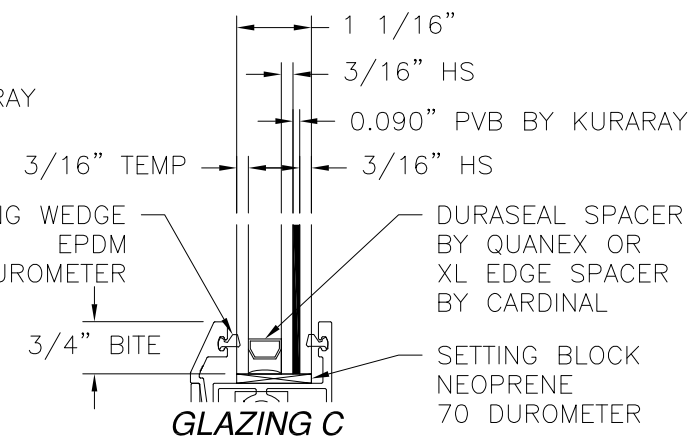
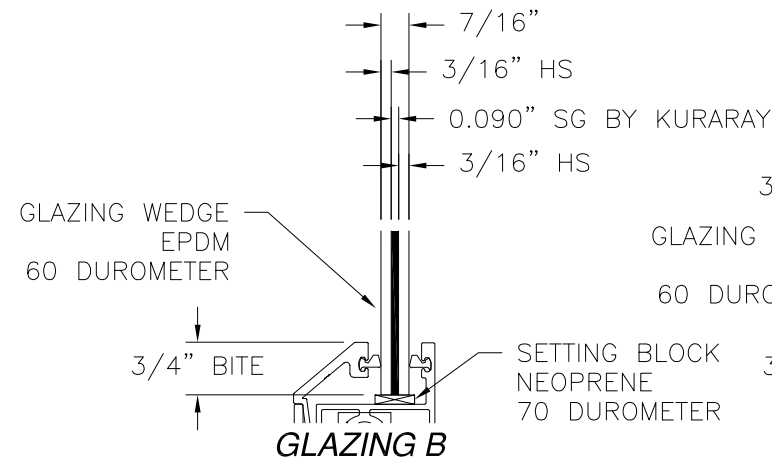
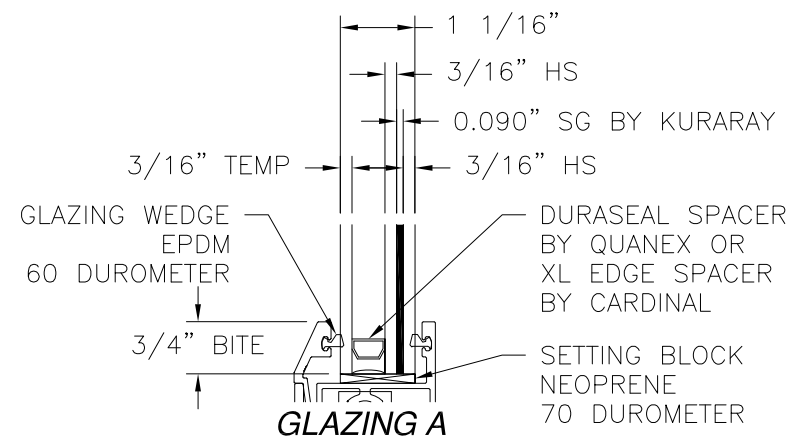
Luis R. Lomas P.E.
FL No.: 62514



SIDELITE TO DOOR CONNECTION



**TRANSOM TO DOOR/SIDELITE
CONNECTION**



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

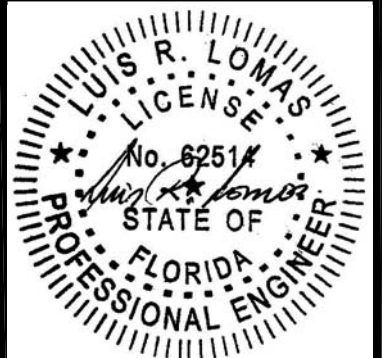
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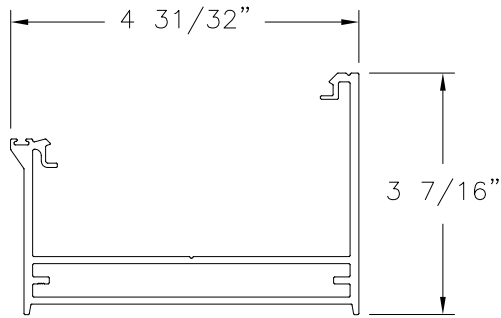
EASTERN ARCHITECTURAL SYSTEMS
A DIVISION OF
EASTERN METAL SUPPLY
16341 DOMESTIC AVE
FORT MYERS, FL 33912
800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
TRANSOM AND SIDELITE INSTALLATION DETAILS

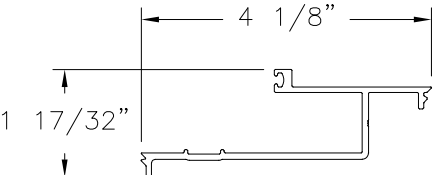
DRAWN: R.L.	DWG NO. 08-03561	REV A
SCALE NTS	DATE 08/01/2020	SHEET 20 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



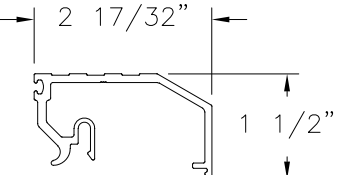
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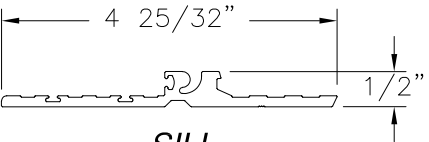
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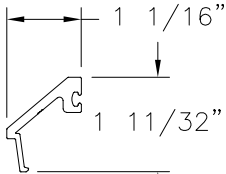
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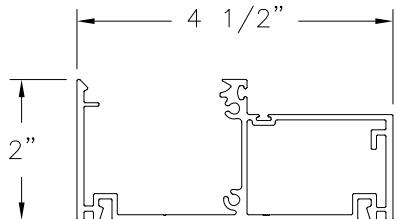
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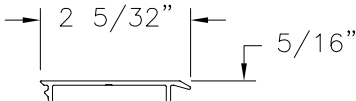
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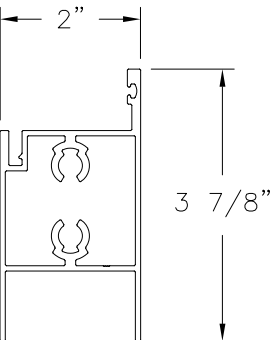
GLAZING BEAD
52854 ALUMINUM 6063-T6



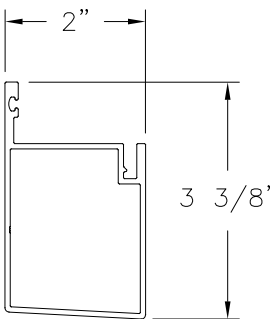
JAMB
52838 ALUMINUM 6063-T6



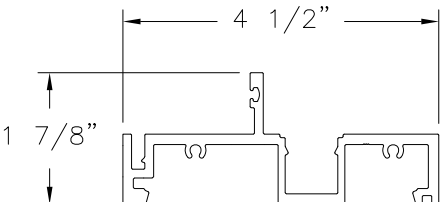
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52840 ALUMINUM 6063-T6



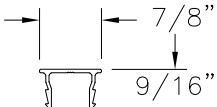
RAIL
53419/514320 ALUMINUM 6063-T6



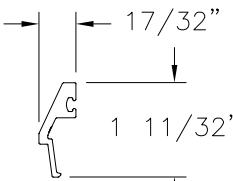
STILE
514351 ALUMINUM 6063-T6



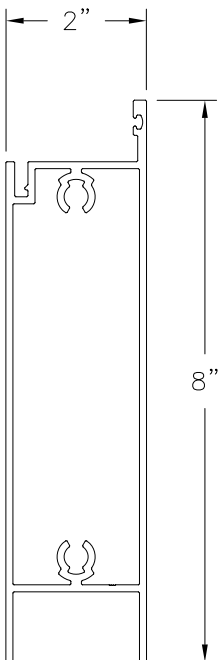
TRANSOM FRAME
514350 ALUMINUM 6063-T6



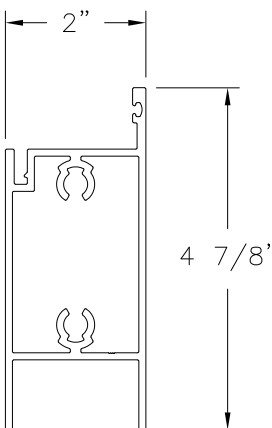
SIDELITE COVER
52961 ALUMINUM 6063-T6



GLAZING BEAD
52853 ALUMINUM 6063-T6



8" RAIL
ALUMINUM 6063-T6



STANDARD RAIL
ALUMINUM 6063-T6

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



EASTERN ARCHITECTURAL SYSTEMS
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16341 DOMESTIC AVE
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800-432-2204

5000 SERIES ALUMINUM FRENCH DOORS
MULLED IMPACT
COMPONENTS

DRAWN: R.L.	DWG NO. 08-03561	REV A
SCALE NTS	DATE 08/01/2020	SHEET 21 OF 21

L. ROBERTO LOMAS P.E.
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