



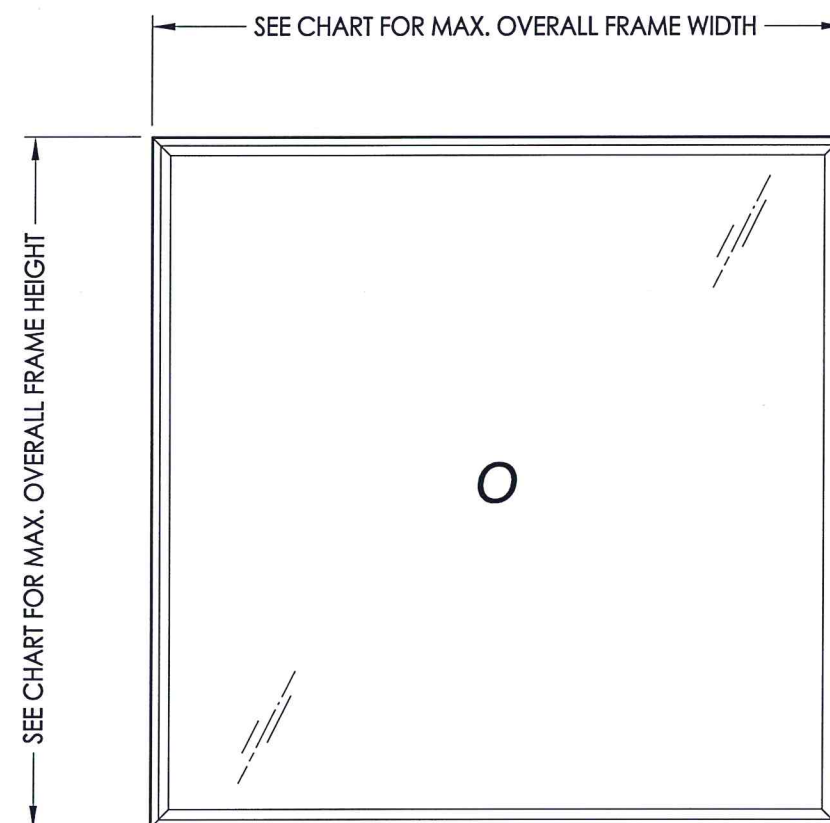
Fixed Casement Window

"NON-IMPACT"

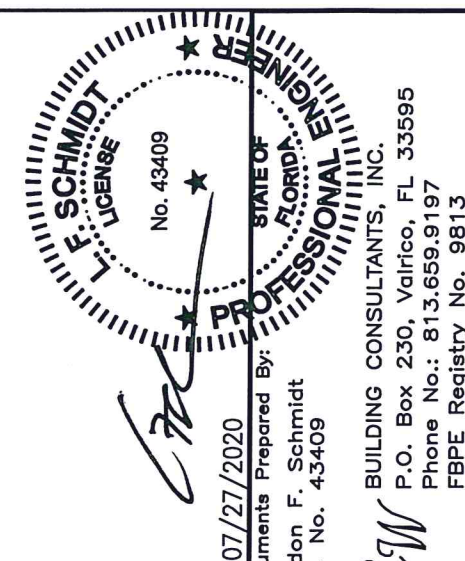
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Buck & frame anchoring
4	Bill of materials, components & glazing details



MAX. OVERALL FRAME DIMENSION	MAX DAY LITE DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
54.0" X 54.0"	47.5" x 47.5"	G1	+75.0	-75.0
60.0" X 60.0"	53.5" x 53.5"	G2	+75.0	-75.0



DATE: 5/9/19		PRODUCT: FIXED WINDOW	
SCALE: N.T.S.			
DWG. BY: TRJ			
CHK. BY: LFS			
DRAWING NO.: FL-26908.7			
SHEET 1 OF 4		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	UPDATE TO 7th ED (2020)	DAC
			BY
		REVISIONS	

The diagram shows a square room with a central point labeled O . Four sensors are positioned at the corners of the room, each with a field of view indicated by dashed lines. The sensors are labeled with circles containing numbers: top-left (1/2), top-right (2/2), bottom-left (4/2), and bottom-right (3/2).

penetrate a min. of 3 threads through at least 2 sheets of metal.

EXTERIOR

INTERIOR

1-1/4" MIN.
EMB. (TYP.)

OR

OR

1

G

C

A

E

2 **HORIZONTAL CROSS SECTION**
2 1X Buck Masonry Construction

The diagram illustrates the vertical cross section of a 2X Buck Masonry Construction. It is divided into two main sections: EXTERIOR (top) and INTERIOR (bottom), separated by a break symbol (//). The exterior view shows a concrete foundation (E) with a minimum embedment depth of 1-1/4" MIN. EMB. (TYP.). A threaded rod (D) passes through the foundation, a metal plate (C), and a metal bracket (B) into a masonry wall (F). The interior view shows a similar assembly with a metal bracket (G1) and a metal plate (C) connecting to the masonry wall (F). The masonry wall (F) is shown in cross-section, revealing its internal structure. The diagram is labeled with callouts A through G and includes dimensions for the embedment depth.

3 VERTICAL CROSS SECTION
2 2X Buck Masonry Construction



07/27/2020

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

PRODUCT: **FIXED WINDOW**

PART OR ASSEMBLY:
VERTICAL & HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS	
1	7/27/20	UPDATE TO 7th ED (2020)	FBC
			BY
			DAC

DATE: **5/9/19**

SCALE: **N.T.S.**

DWG. BY: **TRJ**

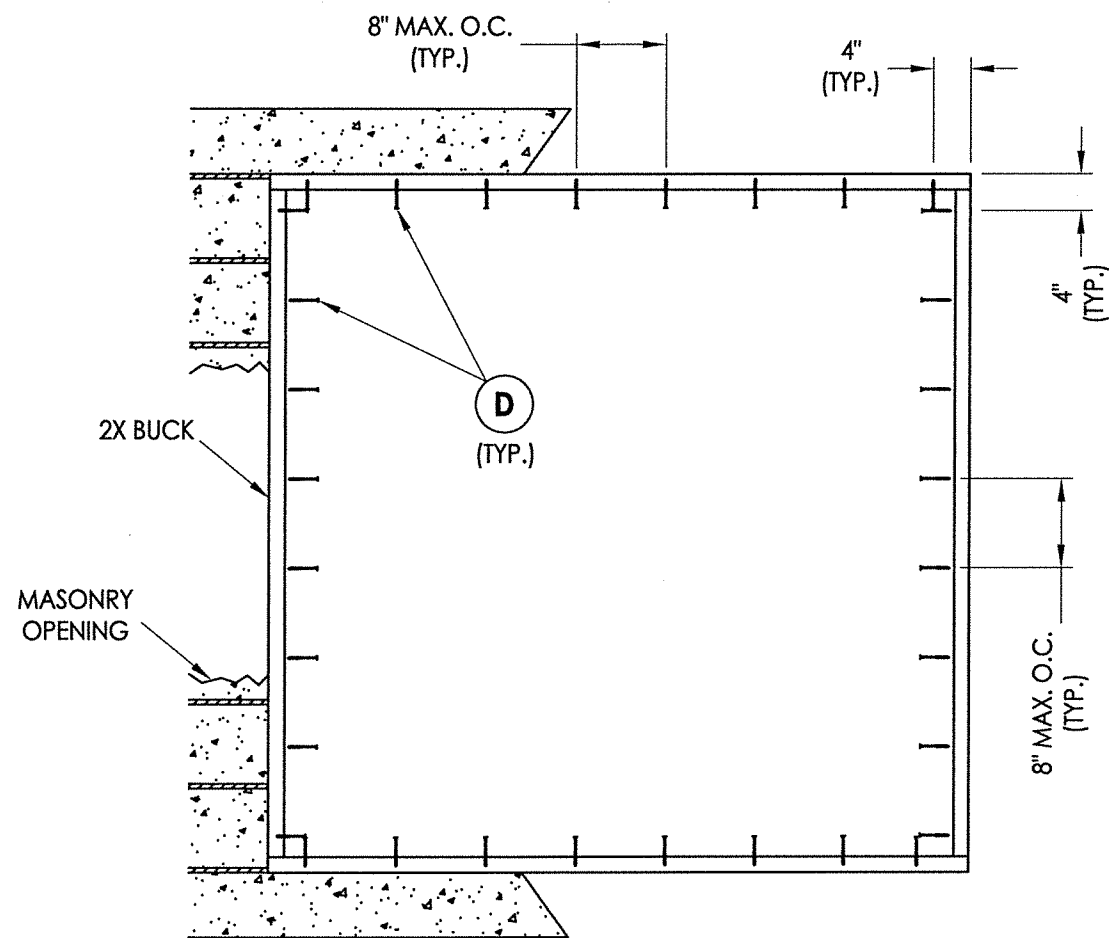
CHK. BY: **LFS**

DRAWING NO.: **FL-26908.7**

SHEET 2 OF 4

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

\\dc01vwb\c\clients\Sunrise Windows\A - Florida Product Approvals\FL-26908 - Drawings\FL 26908 (2020)\FL-26908.7.dwg



BUCK ANCHORING

8" O.C. ANCHOR SPACING SHOWN FOR MAX. DESIGN PRESSURE = 75 PSF
(12" O.C. ANCHOR SPACING FOR MAX. DESIGN PRESSURE = 50 PSF)

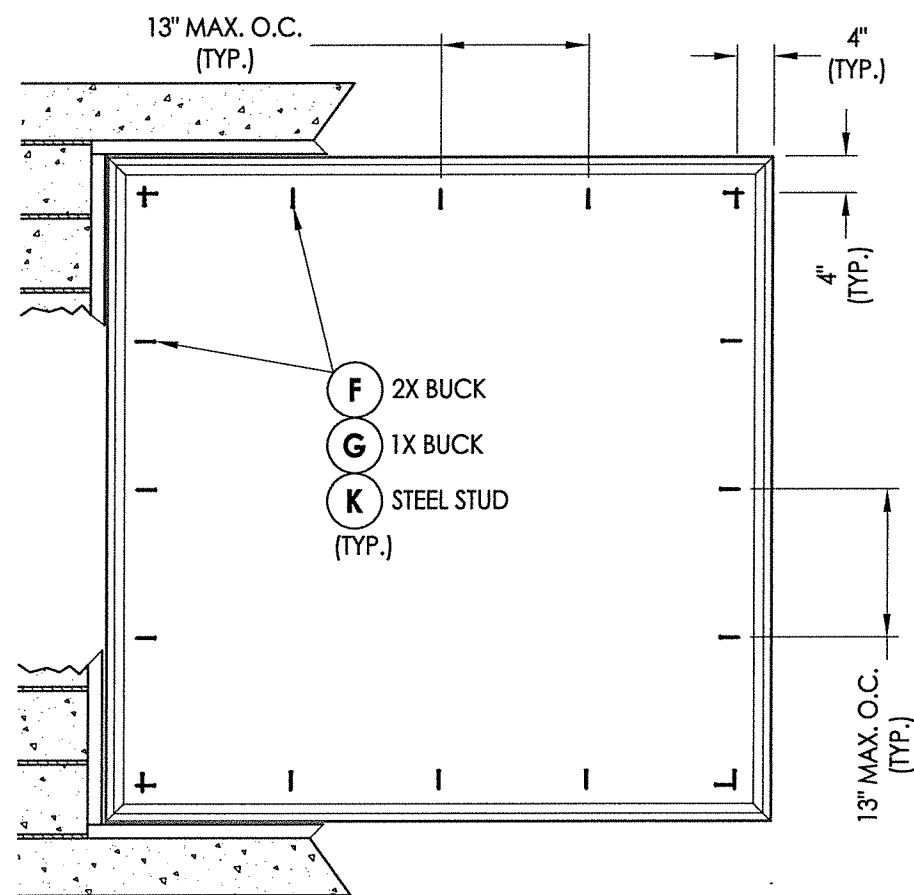
CONCRETE ANCHOR NOTES:

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

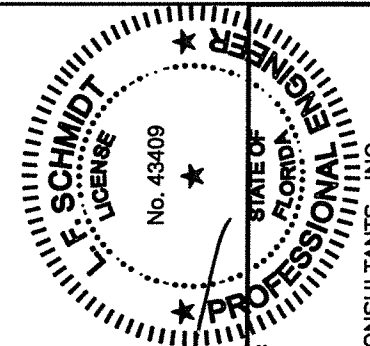
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

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



FRAME ANCHORING



07/27/2020

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FBPE Registry No. 9813

PRODUCT: FIXED WINDOW

PART OR ASSEMBLY:
BUCK & FRAME
ANCHORING

NO.	DATE	REVISIONS
1	7/27/20	UPDATE TO 7th ED (2020) FBC
		DAC
		BY

DATE: 5/9/19

SCALE: N.T.S.

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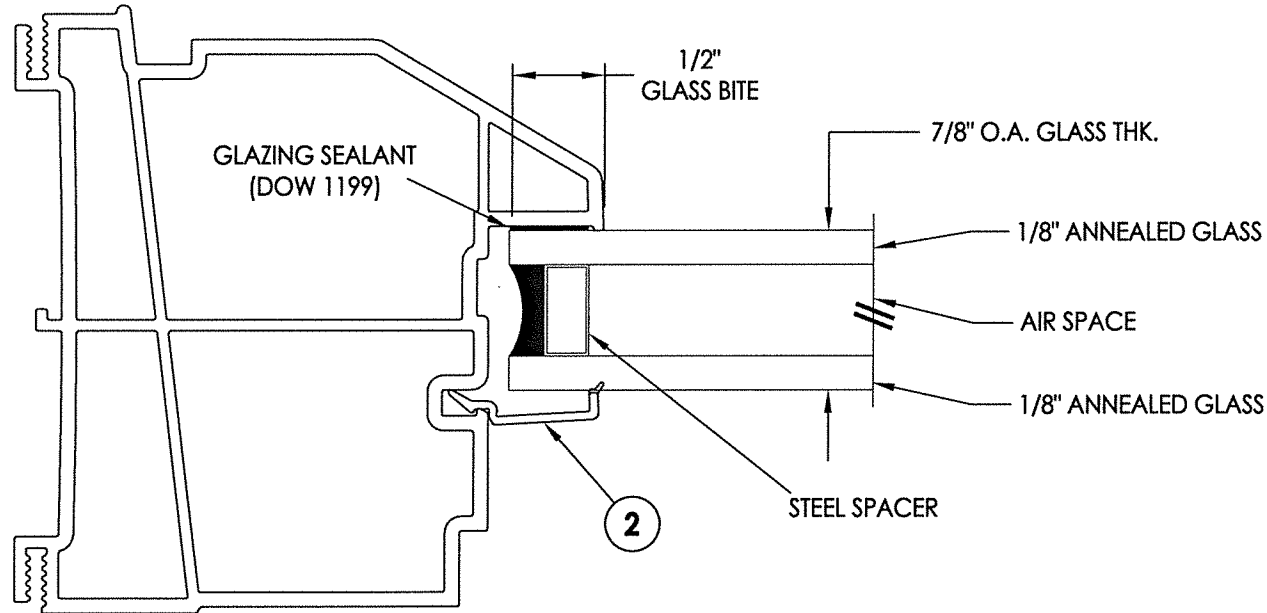
FL-26908.7

SHEET 3 OF 4

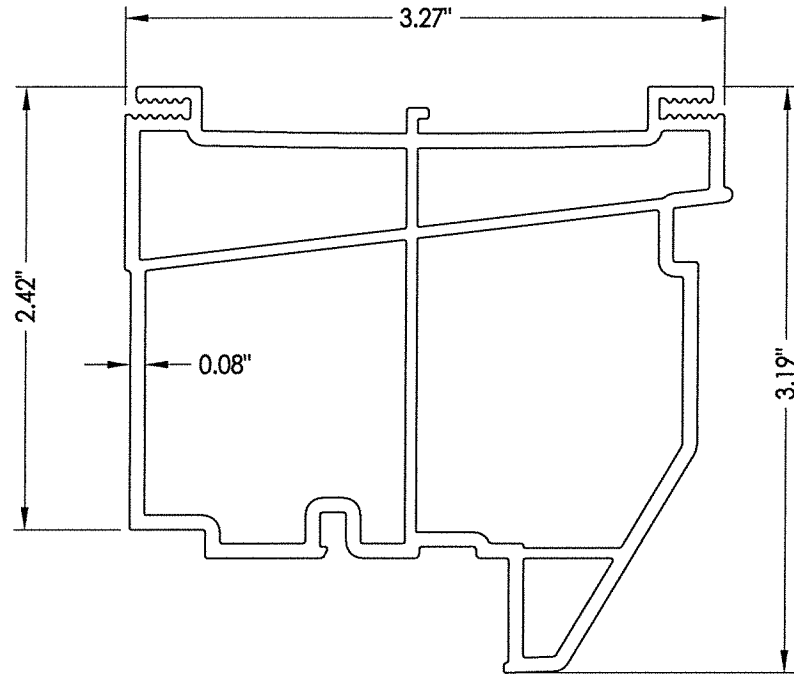
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2-1/2" FH SMS (1-5/16" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
1	EXTRUDED VINYL FRAME (751)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (716A)*	RIGID PVC

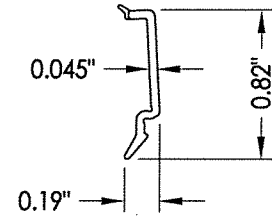
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



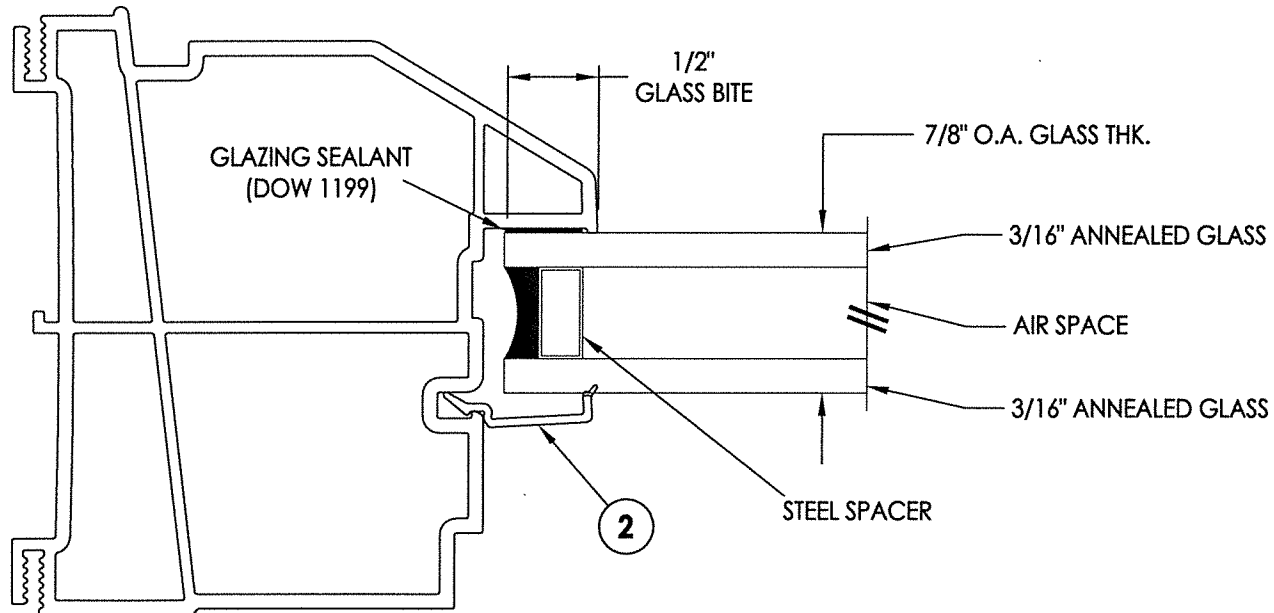
G1 GLAZING DETAIL



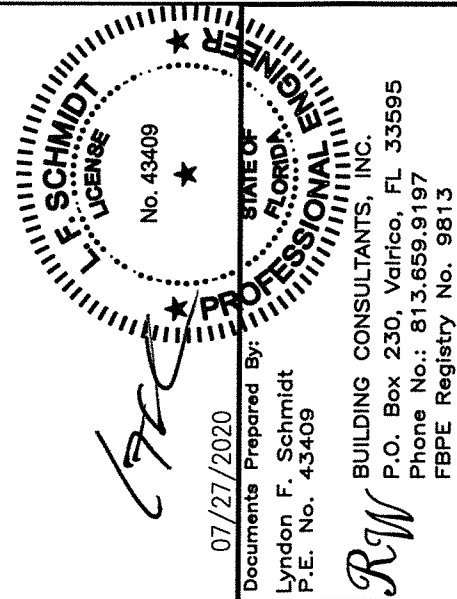
1 FRAME



2 GLAZING BEAD



G2 GLAZING DETAIL



PRODUCT: FIXED WINDOW		PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAILS	
NO.	DATE	UPDATE TO 7th ED (2020)	DAC BY
1	7/27/20	FBC	
REVISIONS			
DATE: 5/9/19			
SCALE: N.T.S.			
DWG. BY: TRJ			
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DRAWING NO.: FL-26908.7			
SHEET 4 OF 4			