

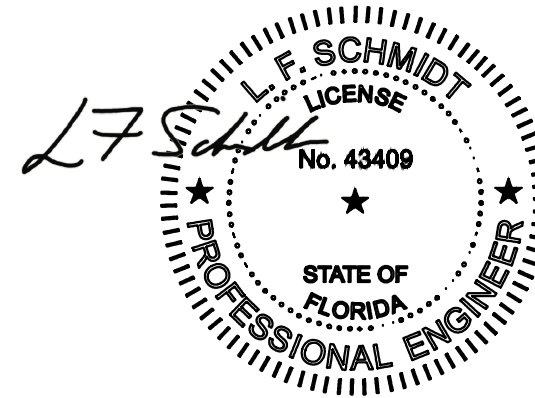
400 Zenway Blvd. Unit #1
Woodbridge, ON L4H 0S7

**LS2075 STEEL DOOR
OUTSWING
"IMPACT"**

GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. This product meets water infiltration requirements for the "HVHZ".
6. All steel shall be protected as specified in Section 2222.6 of the FBC.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Door panel details
3	Elevations
4	Horizontal cross sections
5	Vertical cross sections
6	Frame anchoring
7	Frame anchoring
8	Bill of materials and components

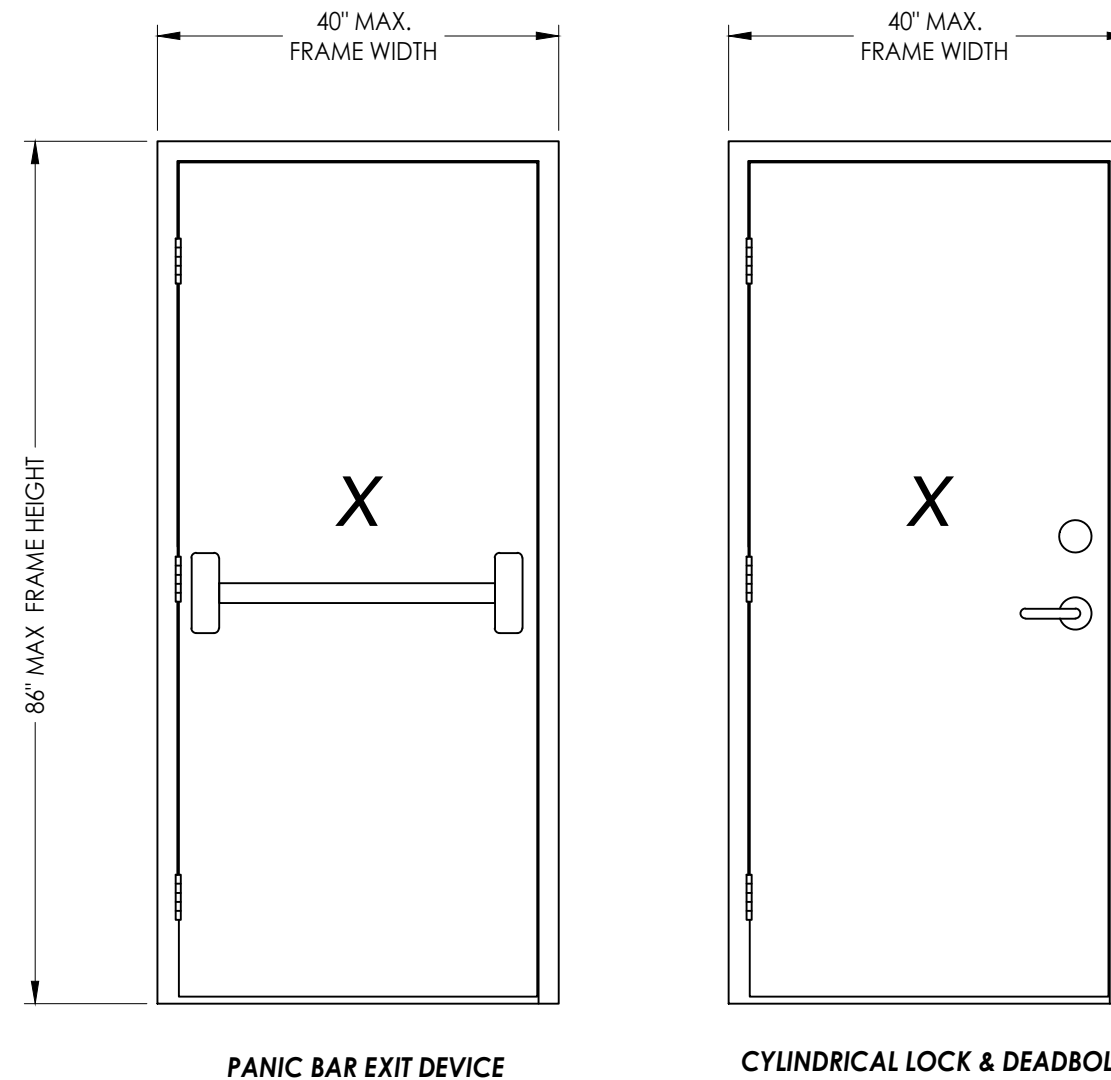


Digitally signed by Lyndon F Schmidt
Date: 2026.08.17 15:21:30 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

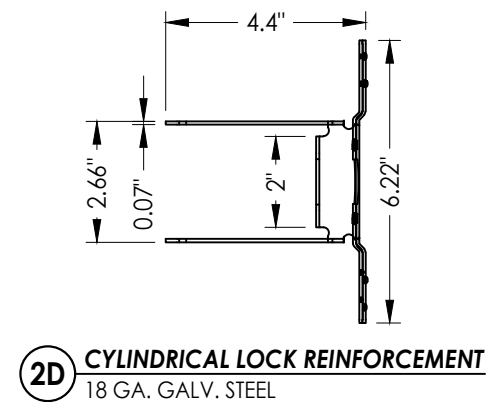


MAX. OVERALL DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
40.0" X 86.0"	+75.0	-75.0

[illegible]

STEEL DOOR SKIN: 20 GA. (MIN. 0.032" THK.) GALV. STEEL (Fy = 50,500 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)

2 VERTICAL CROSS SECTION



DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

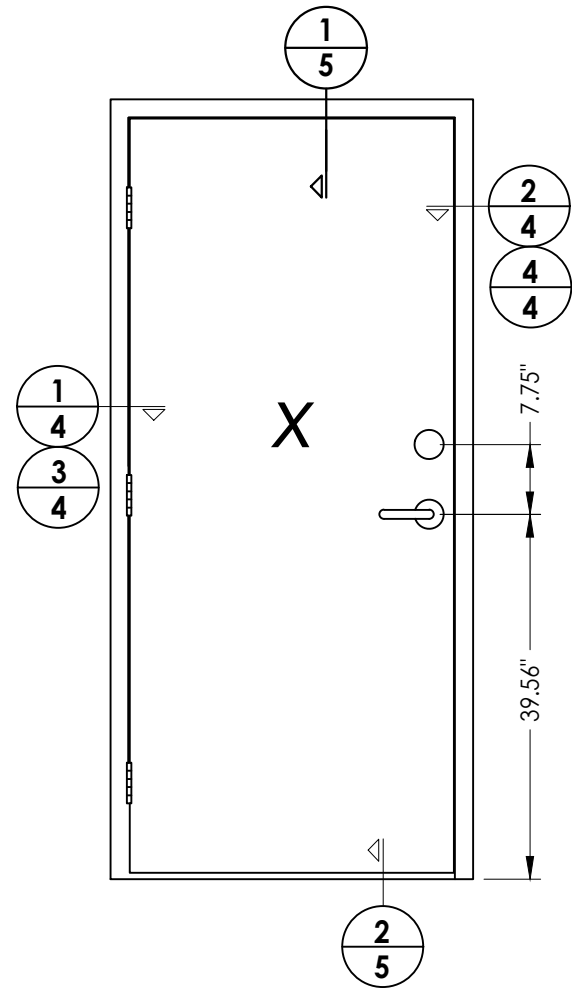
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DRAWING NO.: FL-19036.3

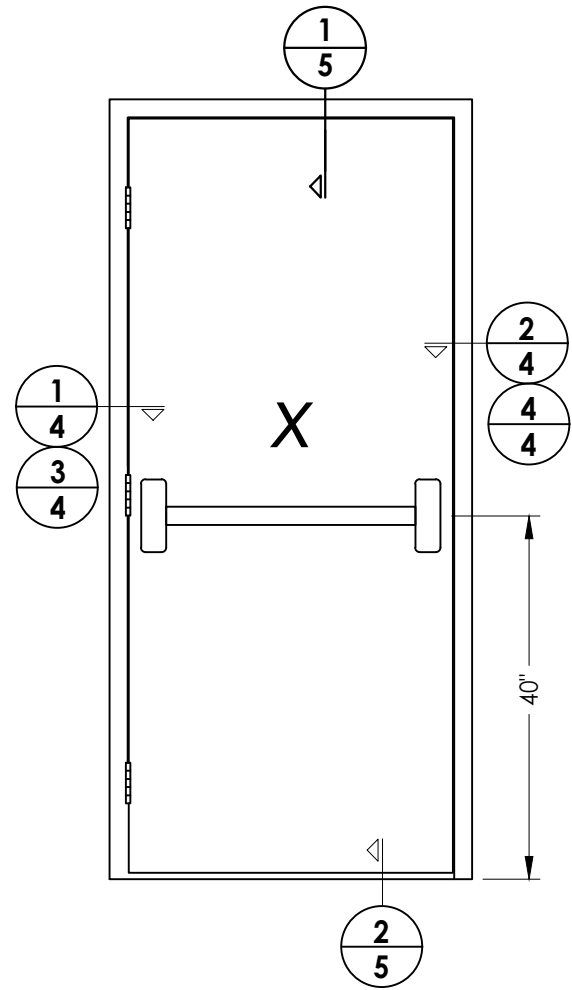
SHEET 2 OF 8

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

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



LOCK HARDWARE
CYLINDRICAL LOCK: SCHLAGE AL53PD
DEADBOLT: SCHLAGE B660P



LOCK HARDWARE
RIM PANIC EXIT DEVICE: DESIGN HARDWARE 2000 SERIES

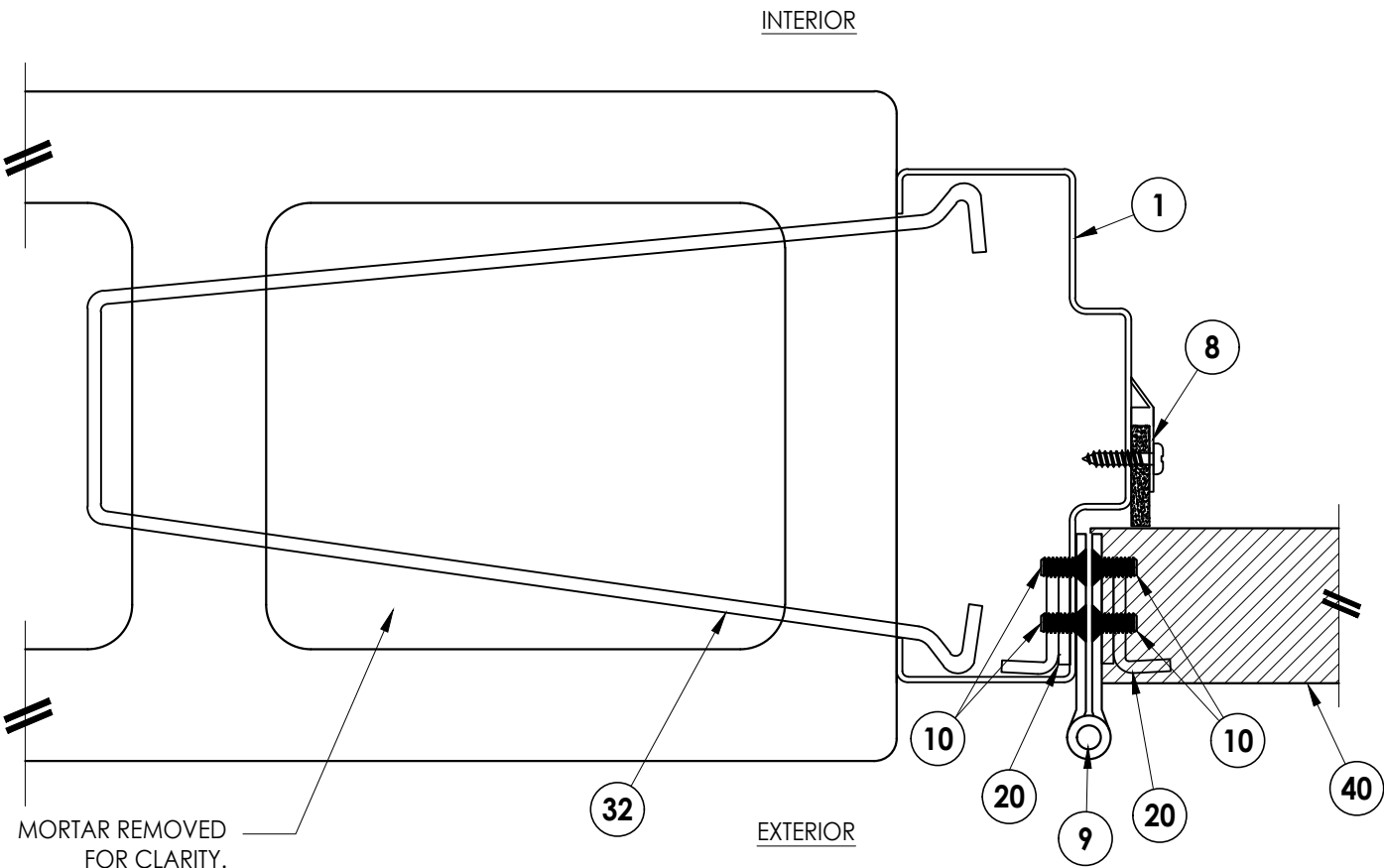
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PRODUCT:	VISION HOLLOW METAL
PART OR ASSEMBLY:	ELEVATIONS

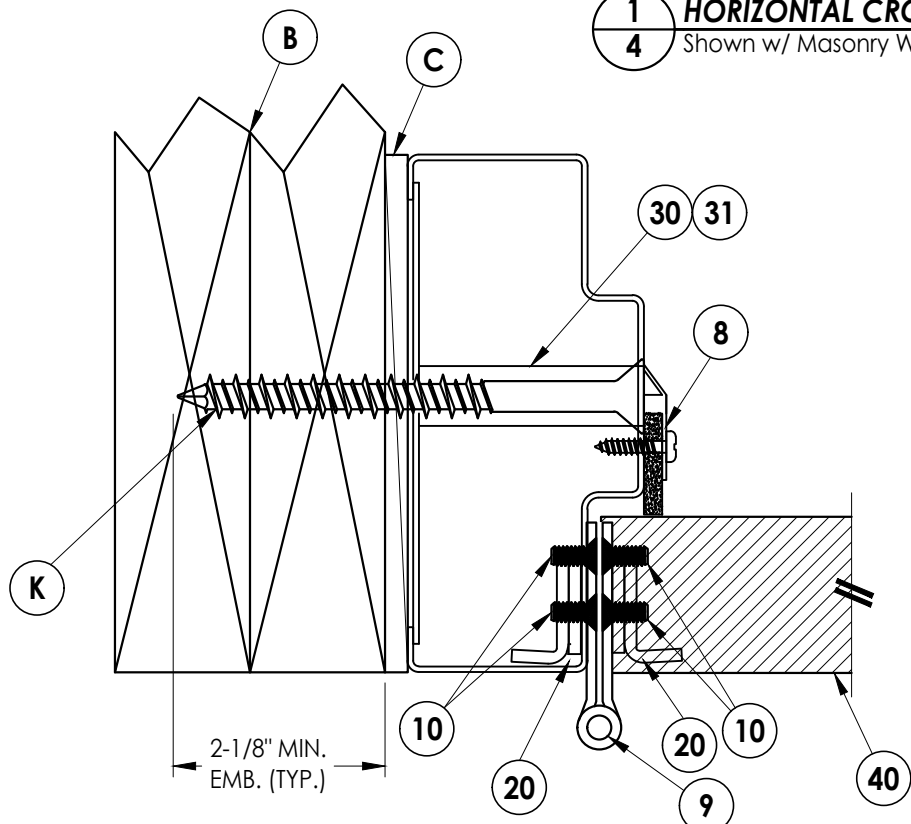
Documents Prepared By:
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Phone No.: 813.659.9197
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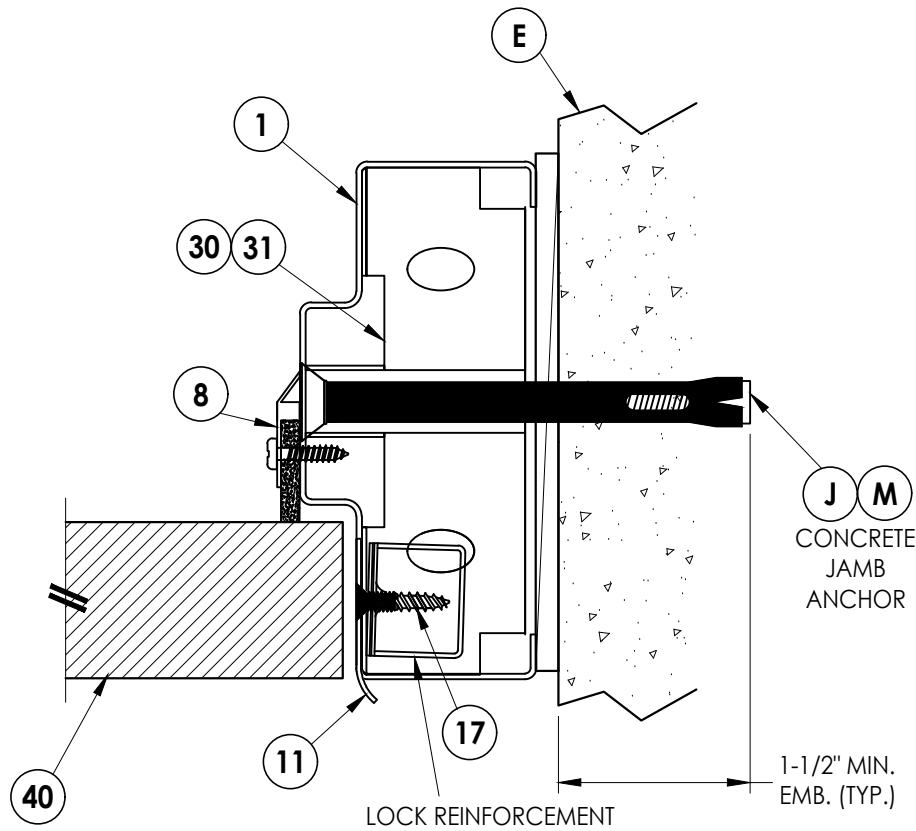
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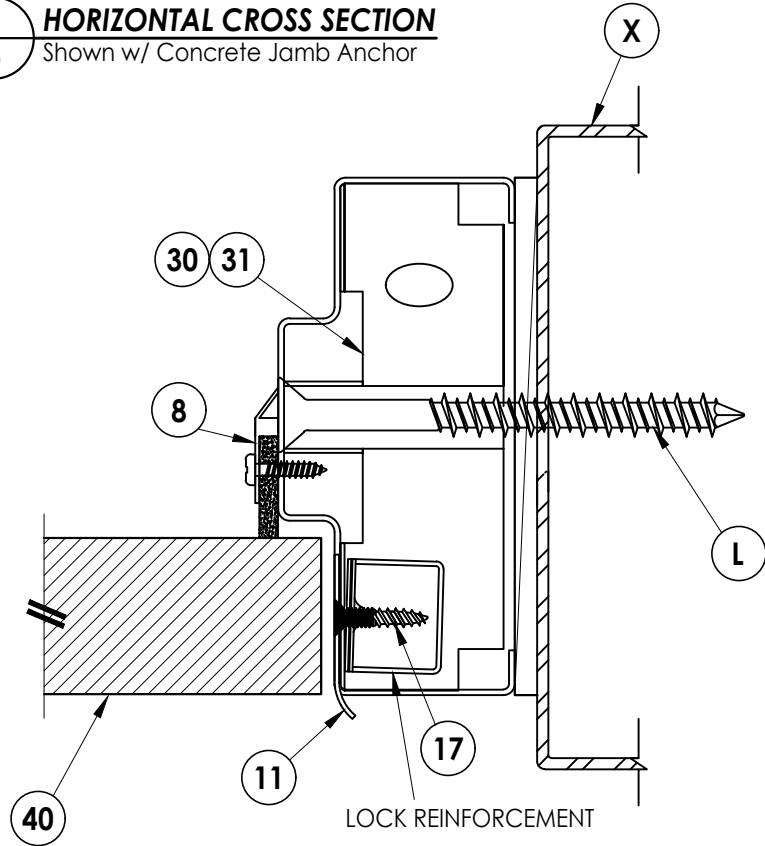
1
4 **HORIZONTAL CROSS SECTION**
Shown w/ Masonry Wire Anchor



3
4 **HORIZONTAL CROSS SECTION**
Shown w/ Wood Stud Anchor



2
4 **HORIZONTAL CROSS SECTION**
Shown w/ Concrete Jamb Anchor



4
4 **HORIZONTAL CROSS SECTION**
Shown w/ Steel Stud Anchor

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FBPE Registry No. 9813

PRODUCT:
VISION HOLLOW METAL

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		DATE	BY	LFS	FBC
6	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	9/08/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	

DATE: 12/7/15

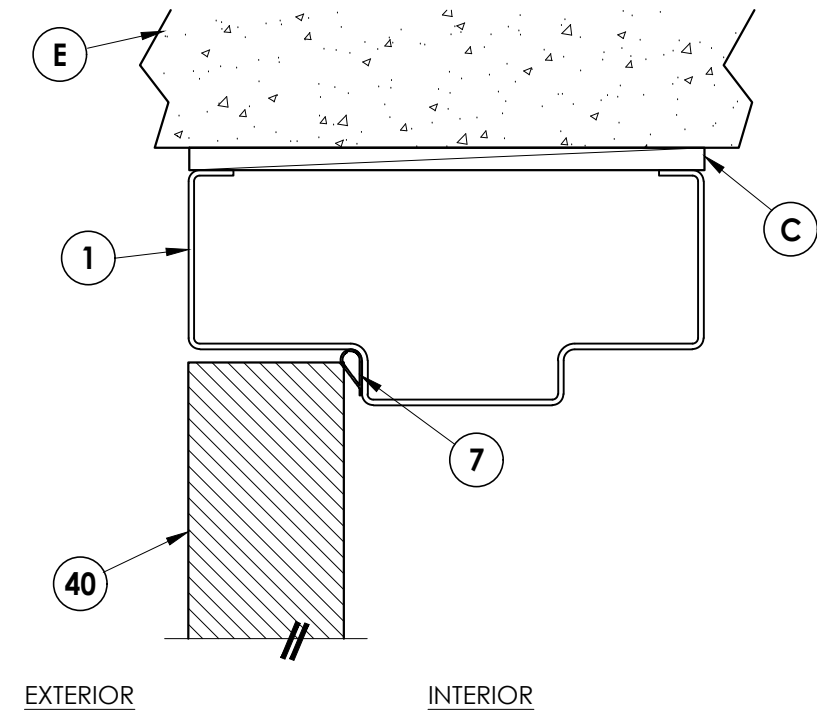
SCALE: N.T.S.

DWG. BY: JK

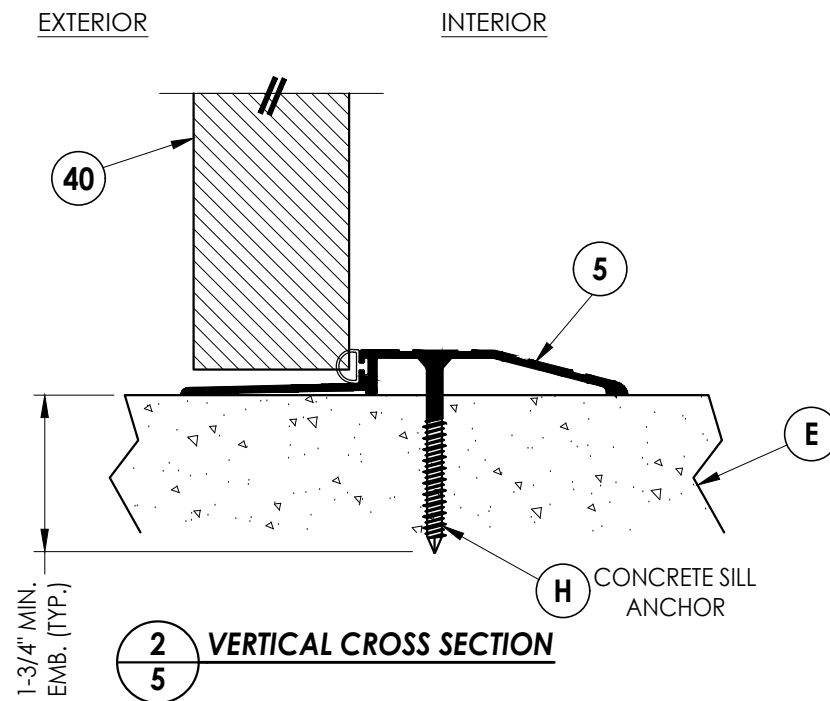
CHK. BY: LFS

DRAWING NO.: FL-19036.3

SHEET 4 OF 8



1 VERTICAL CROSS SECTION
5



2 VERTICAL CROSS SECTION
5

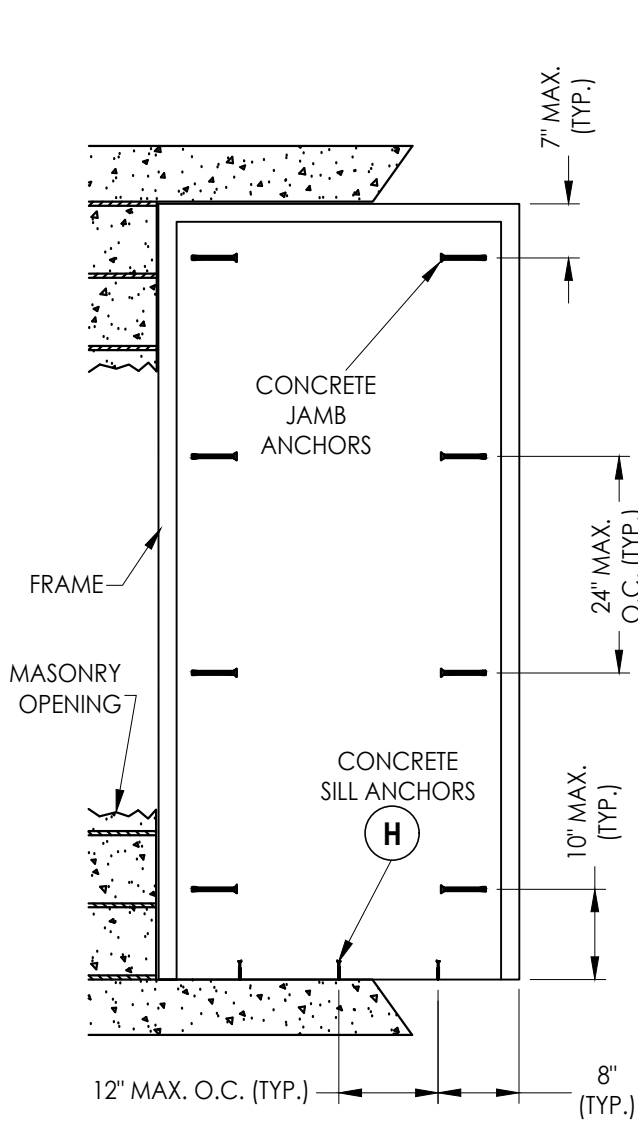
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PRODUCT:	VISION HOLLOW METAL
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

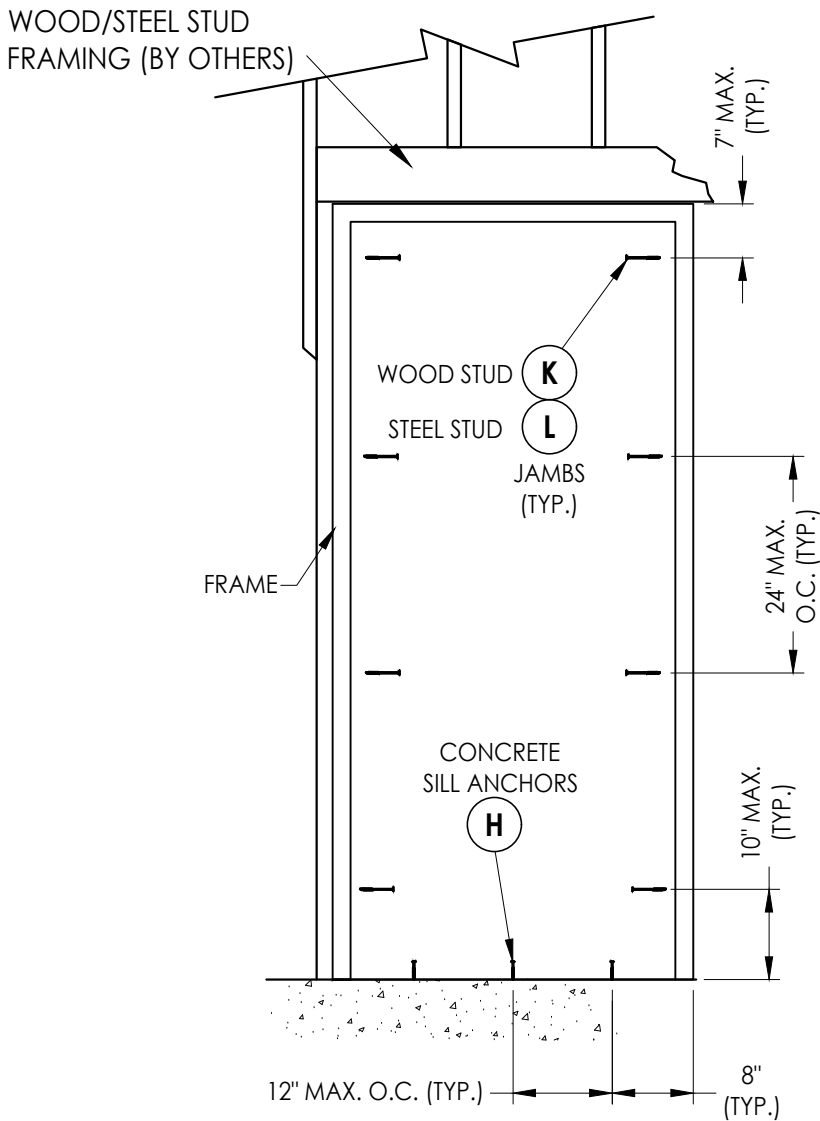
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FRAME ANCHORING
Masonry Construction
Concrete Anchors



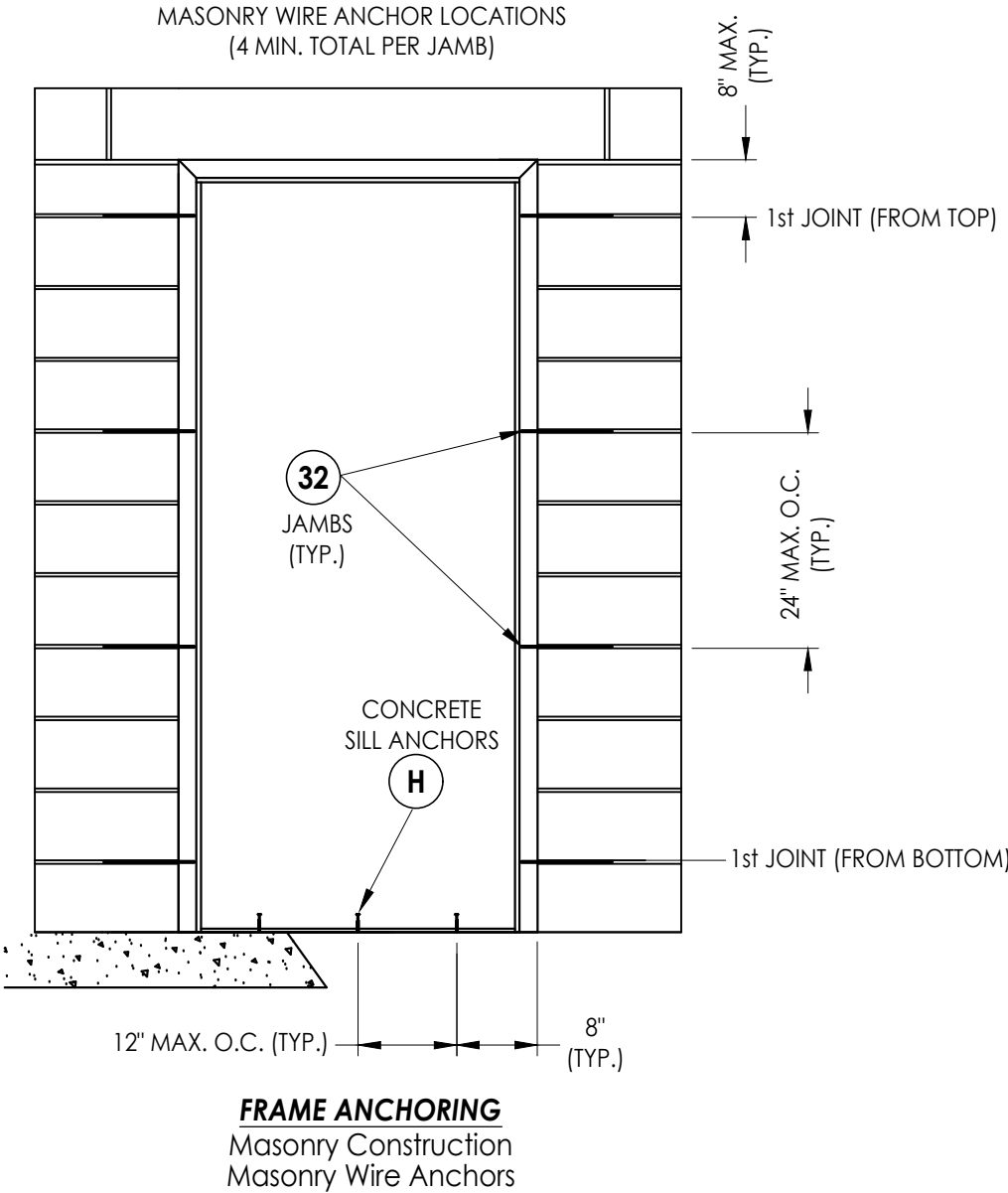
FRAME ANCHORING
Wood/Steel Stud

CONCRETE ANCHOR NOTES:

- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	JAMBS	3/8"	LDT TAPCON® (ITW BUILDEX)	3"	1-1/2"
	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"
CONCRETE SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)	2-1/4"	1-1/2"

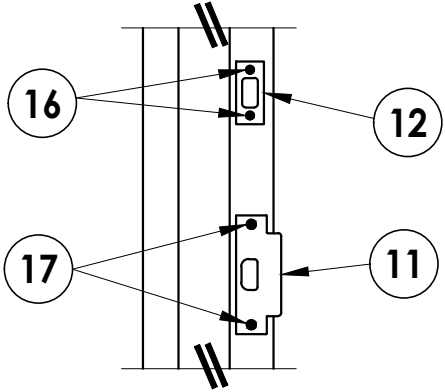
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT:		VISION HOLLOW METAL		PART OR ASSEMBLY: FRAME ANCHORING			
				LFS	FBC	REVISIONS	
			6	7/02/26	UPDATE TO 9TH ED. (2026)		
			5	7/05/23	UPDATE TO 8TH ED. (2023)		
			4	9/08/20	UPDATE TO 7TH ED. (2020)		
			NO.	DATE			
DATE: 12/7/15							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-19036.3							
SHEET 6 OF 8							



CONCRETE ANCHOR NOTES:

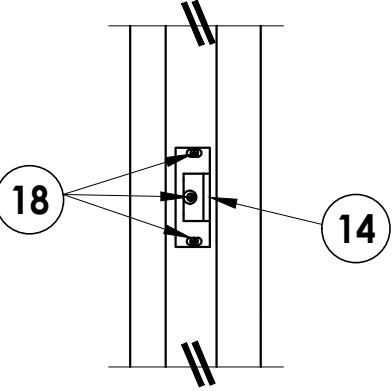
1. Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
2. Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	SILL	1/4"	TAPCON® (ITW BUILDDEX) ULTRA-CON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"



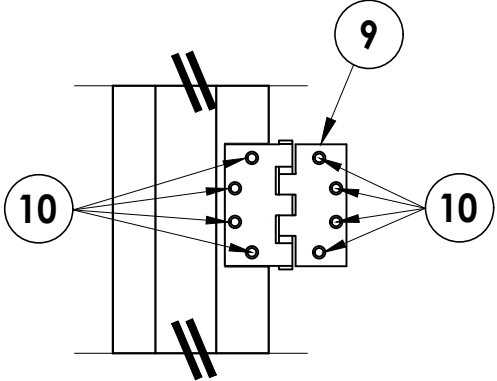
STRIKE DETAIL

Latch & Deadbolt



STRIKE DETAIL

Rim Exit Device



HINGE DETAIL

[illegible]

DATE: 12/7/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-19036.3

SHEET 7 OF 8

Documents Prepared By:
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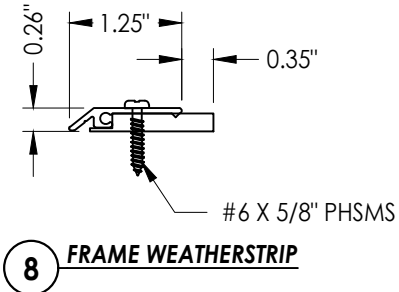
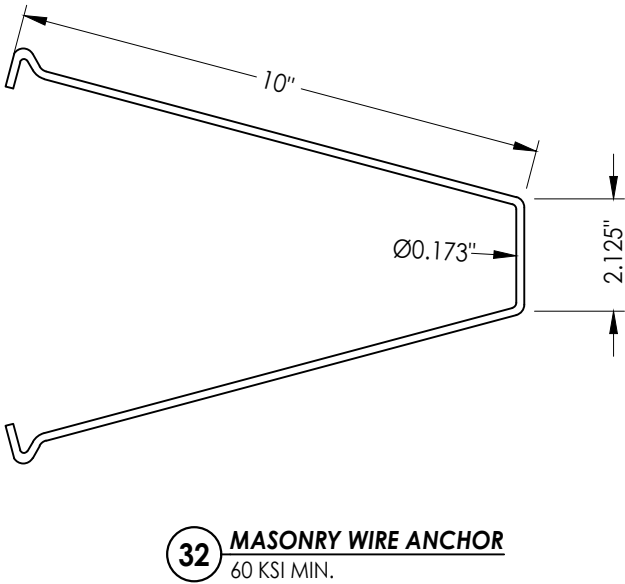
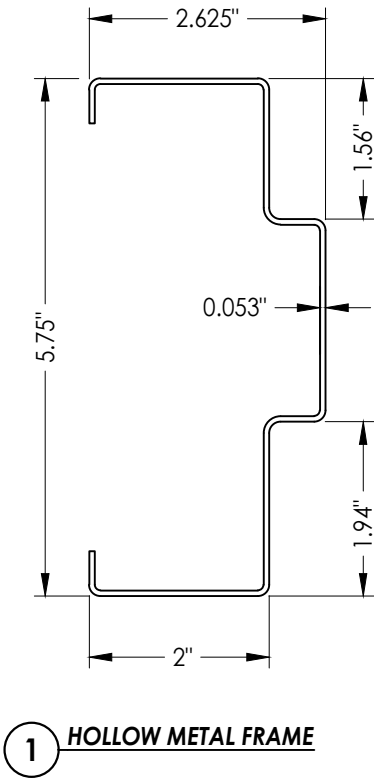
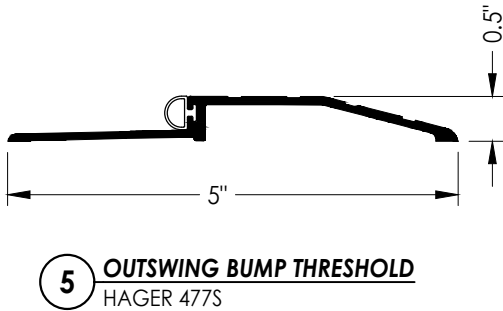
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FBPE Registry No. 9813

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X STUD FRAMING (G>= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
H	1/4" X 1-3/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8" X 5" PFH DYNABOLT SLEEVE ANCHOR (SEE CONCRETE ANCHOR TABLE)	STEEL
K	3/8" X 5" FH LAG SCREW (2-1/8" MIN. EMBEDMENT)	STEEL
L	3/8" Ø SMS (MUST PENETRATE MIN. 3 THREADS THROUGH STEEL STUD)	STEEL
M	3/8" X 5" LDT TAPCON CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
X	STEEL STUD (0.125" MIN. THK, Fu = 50 ksi, Fy = 33 ksi)	STEEL
1	HOLLOW METAL FRAME	-
5	OUTSWING BUMP THRESHOLD	ALUM
7	WEATHERSTRIP (HAGER 736 PRESS-ON)	-
8	FRAME WEATHERSTRIP (HAGER 875S)	-
9	HINGE 4.5" X 4.5"	STEEL
10	#12-24 x 1/2" FH MACHINE SCREW	STEEL
11	LATCH STRIKE PLATE	STEEL
12	DEADBOLT STRIKE PLATE	STEEL
13	VERTICAL ROD STRIKE PLATE	STEEL
14	RIM EXIT DEVICE STRIKE	STEEL
16	#8 x 3/4" FH SCREWS	STEEL
17	#12 x 1" FH SCREWS	STEEL
18	#12 x 1-1/8" PH SMS	STEEL
20	HINGE REINFORCEMENT (10 GA.)	STEEL
30	EMA PIPE ANCHOR (18 GA)	STEEL
31	EMA BUTTERFLY ANCHOR (18 GA)	STEEL
32	MASONRY WIRE ANCHOR	STEEL
40	STEEL DOOR PANEL (7'-0" DOOR)	STEEL

CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		PART OR ASSEMBLY:	
VISION HOLLOW METAL		BILL OF MATERIALS & COMPONENTS	
		LFS	REVISIONS
		FBC	
		FBC	
		FBC	
		DATE	BY
6	7/02/26	UPDATE TO 9TH ED. (2026)	
5	7/05/23	UPDATE TO 8TH ED. (2023)	
4	9/08/20	UPDATE TO 7TH ED. (2020)	
DATE: 12/7/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19036.3			
SHEET 8 OF 8			