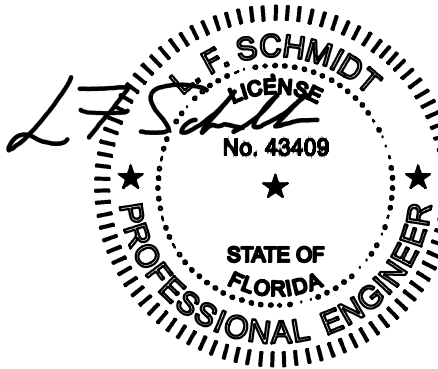




This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

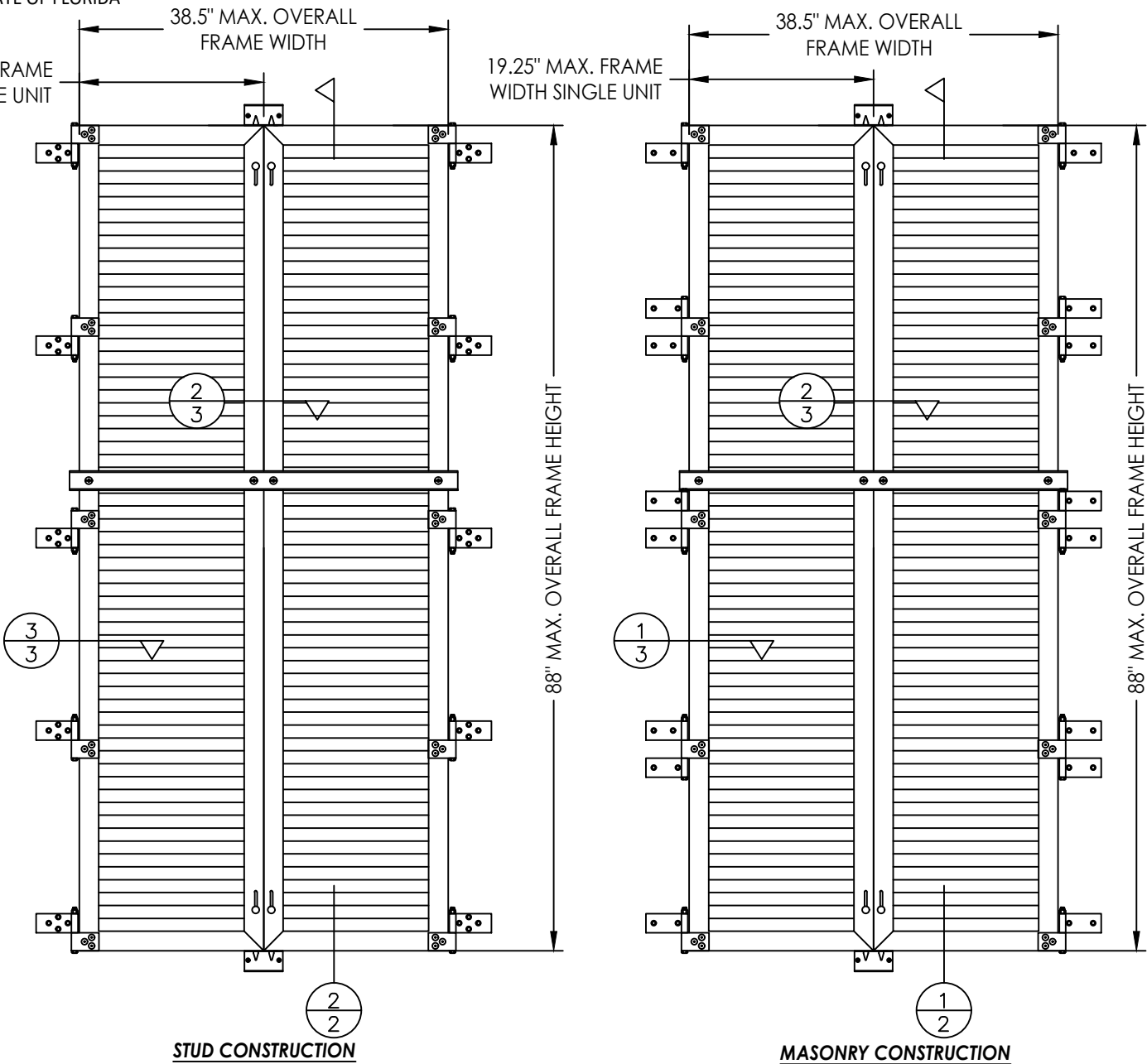
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

EXTRUDED ALUMINUM COLONIAL HURRICANE SHUTTER "IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 "High Velocity Hurricane Zone" this product complies with FBC Section 1626 and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Aluminum shutter material shall be 6063-T6.
7. The Engineer or Architect of Record is responsible for determining the wind loads for any specific application and to determine that the existing structure is capable of withstanding the loads imposed by the shutter system.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Vertical cross sections masonry & stud construction
3	Horizontal cross sections masonry & stud construction
4	Anchoring locations masonry & stud construction
5	Bill of materials & components



MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
38.5" x 88.0"	+100.0	-100.0

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

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

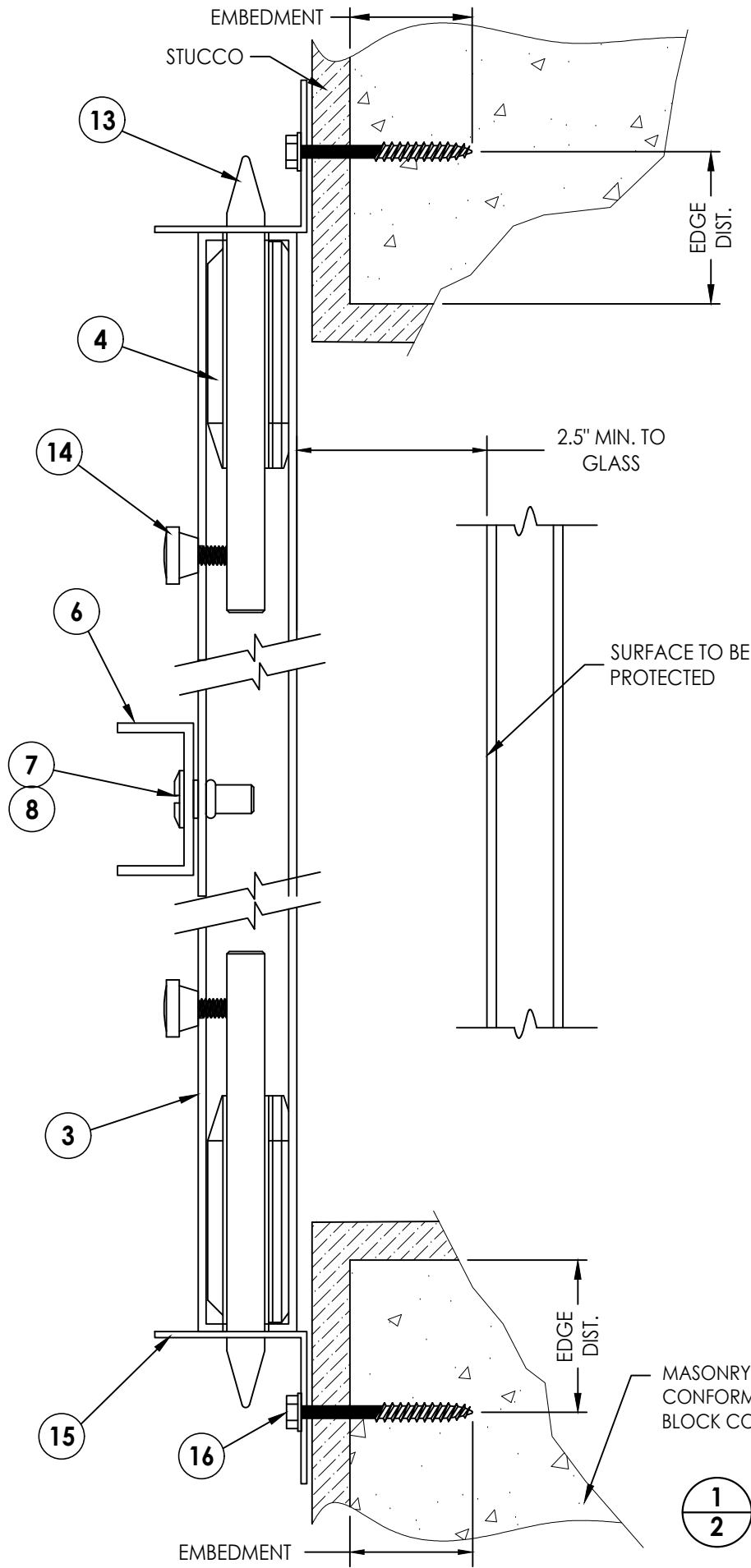
PRODUCT:
EXTRUDED ALUMINUM
COLONIAL HURRICANE SHUTTER

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

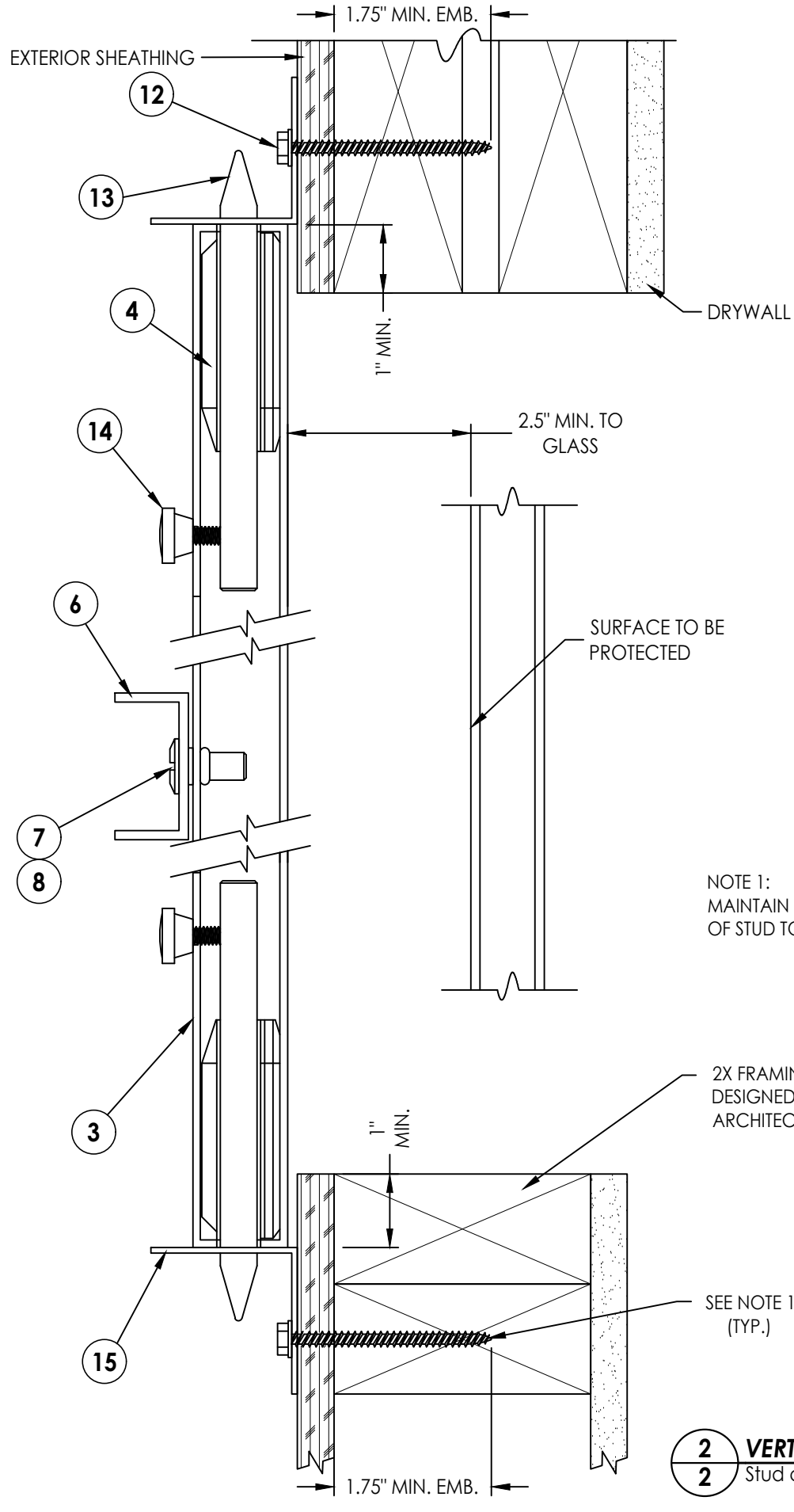
REVISIONS	
NO.	DATE

DATE: 8/31/23
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-42400.2
SHEET 1 OF 5

Z:\2023 FBC Drawings\N.A.S.A\FL-42400\FL-42400.2.dwg



1
2 **VERTICAL CROSS SECTION**
Masonry construction



2
2 **VERTICAL CROSS SECTION**
Stud construction

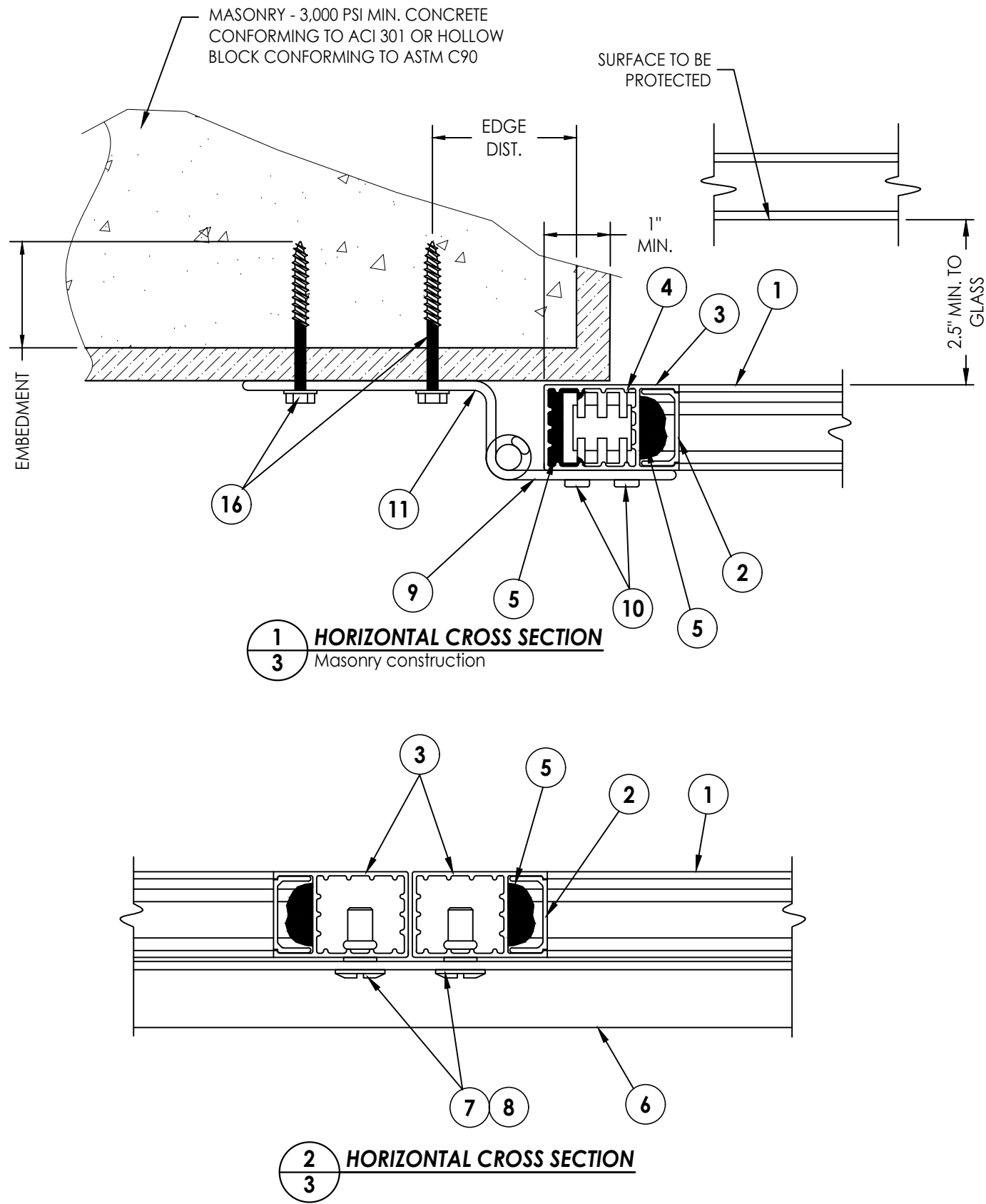
NOTE 1:
MAINTAIN 1/2" MIN. EDGE DISTANCE TO EDGE
OF STUD TO PREVENT SPLITTING OF WOOD.

2X FRAMING (SG >= 0.55) TO BE
DESIGNED BY THE ENGINEER OR
ARCHITECT OF RECORD (TYP.).

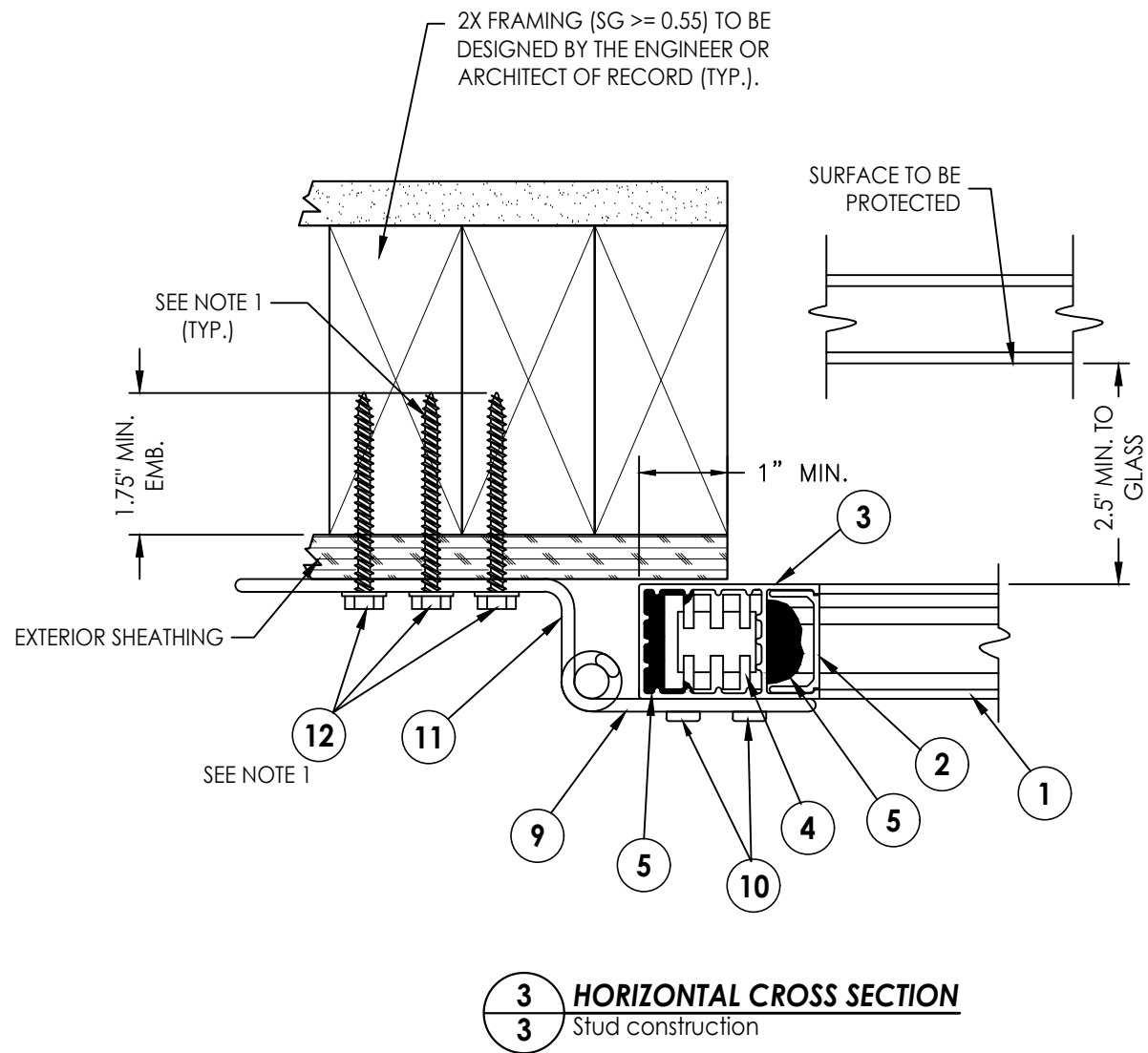
SEE NOTE 1
(TYP.)

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: EXTRUDED ALUMINUM COLONIAL HURRICANE SHUTTER		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS MASONRY & STUD CONSTRUCTION	
		REVISIONS	
		NO.	DATE
		BY	
DATE: 8/31/23			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-42400.2			
SHEET 2 OF 5			

Z:\2023 FBC Drawings\N.A.S.A\FL-42400\FL-42400.2.dwg



NOTE 1:
MAINTAIN 1/2" MIN. EDGE DISTANCE TO EDGE
OF STUD TO PREVENT SPLITTING OF WOOD.



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

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

PRODUCT:
EXTRUDED ALUMINUM
COLONIAL HURRICANE SHUTTER

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS
MASONRY & STUD CONSTRUCTION

REVISIONS		NO.	DATE	BY

DATE: 8/31/23

SCALE: N.T.S.

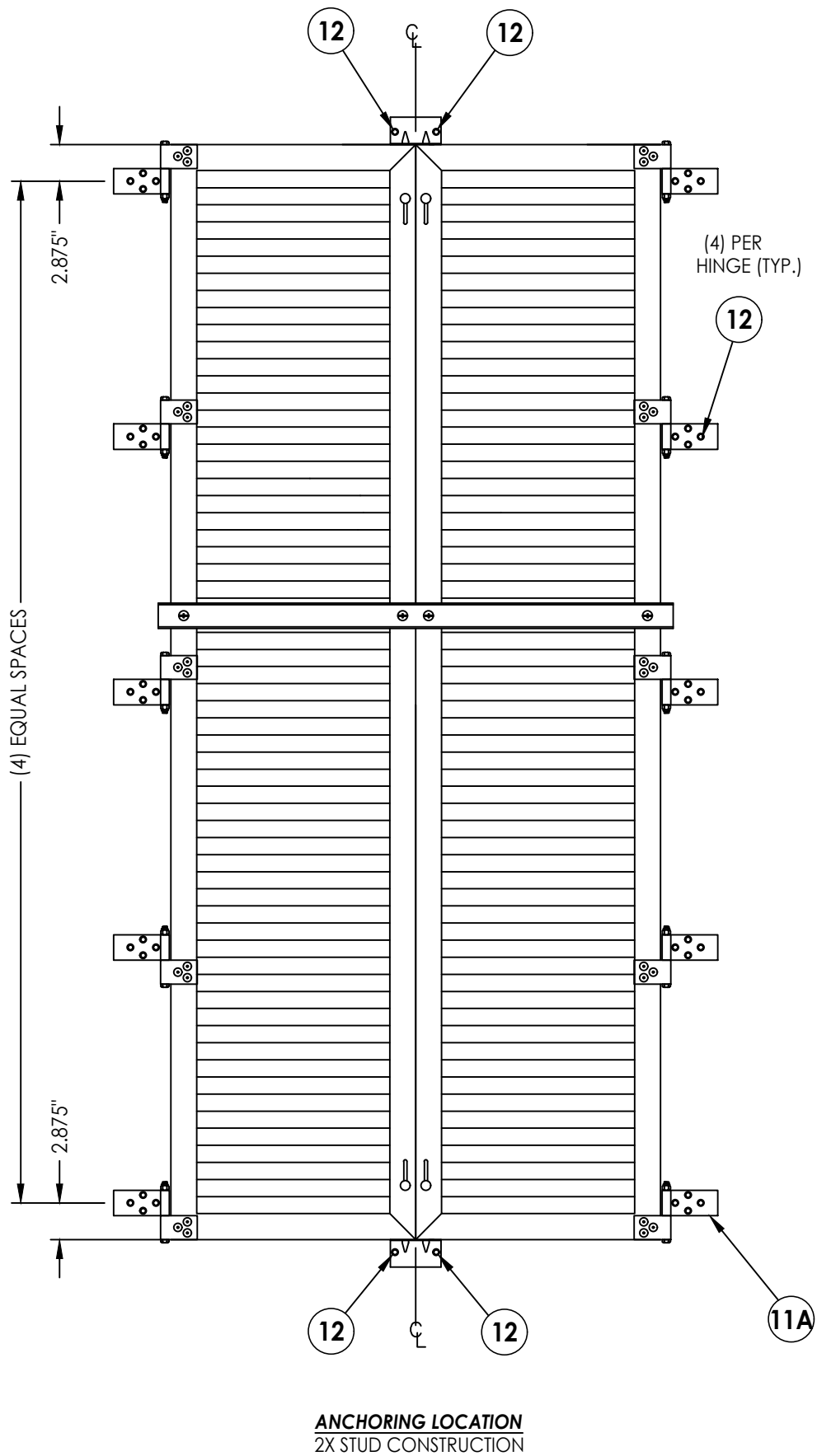
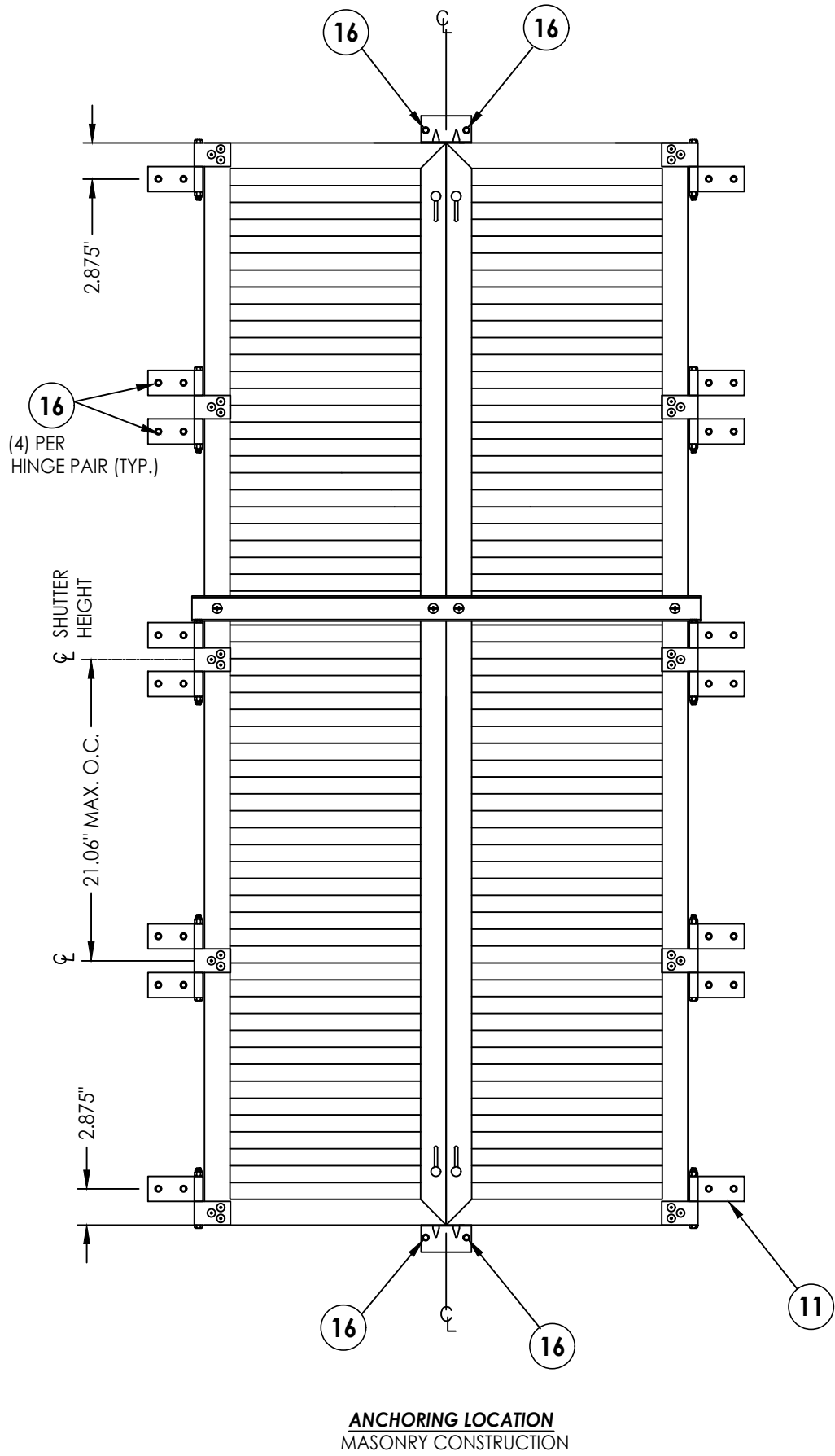
DWG. BY: RW

CHK. BY: LFS

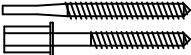
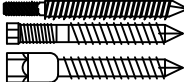
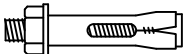
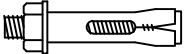
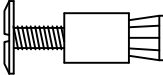
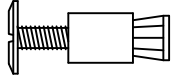
DRAWING NO.:

FL-42400.2

SHEET 3 OF 5



16 MASONRY ANCHOR SCHEDULE

CONCRETE CONFORMING TO ACI 308.1		HOLLOW BLOCK CONFORMING TO ASTM C90	
ANCHOR  1/4" TAPCON SG EM = 1.75" CL = 3" ED = 1.25" (3,295 PSI MIN. CONC.)		ANCHOR  1/4" ELCO/DeWALT PANELMATE MALE/FEMALE EM = 1.25" CL = 3" ED = 3" JAMB ONLY	
 1/4"Ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR EM = 1.125" CL = 3" ED = 1.5" (3000 PSI MIN. CONC.)		 1/4"Ø ITW RED HEAD DYNABOLT SLEEVE ANCHOR EM = 1.125" CL = 3" ED = 1.5" JAMB ONLY	
 1/4" ALL POINTS SOLID-SET ANCHOR EM = 0.875" CL = 3" ED = 2" (3,000 PSI MIN. CONC.)		 1/4" ALL POINTS SOLID-SET ANCHOR EM = 0.875" CL = 3" ED = 2" HEAD, SILL OR JAMB	
 1/4" ITW TAPCON EM = 1.75" CL = 3" ED = 4" (3,000 PSI MIN. CONC.)			

EM = MINIMUM EMBEDMENT (PENETRATION)
CL = MINIMUM CENTER TO CENTER ANCHOR SPACING
ED = MINIMUM EDGE DISTANCE

[illegible]

