

SUBMITTAL FORM

Submittal No: 08110-1 Rev #1

Date submitted by Contractor to A/E: 06/21/2019

CONTRACTOR'S SUBMITTAL: (Submit items from only one section of Specifications at a time on this form.)

PROJECT Miami Palmetto Senior High School MDCPS Project No: 01516900

Specification Section: 08110 Section Title: Steel Doors & Frames

Description of item: Doors and Frames

Name of Producer: Andrew Bernstein

Name of Subcontractor: Quality Engineering Products

Contractor's Certification: This submittal complies with the Construction Documents and has been coordinated with the rest of the Work
 This submittal is a proposed Substitution (Substitution Request Form must be submitted to the A/E for Board Approval)

Signature of Contractor's officer

Silvia Agreda
Print name of Contractor's officer

06/21/2019
Date

Assistant Project Manager
Officer's title

Thornton Construction Company, Inc
Contractor's firm name

ACTION SUBMITTALS

Product data attached
Shop drawings attached
Accompanying sample(s)
Design or calculations
Statement of qualifications
Warranty Sample
Other item(s)

Quantity Submittal (require approval or other action)

<u>(1)</u>	<u>For Approval</u>	SHOP DRAWING DOCUMENT REVIEW
<u>(4)</u>	<u>For Approval</u>	The review of this document has been limited to conformance with the general design concept and intent, and general compliance with the contract documents. The General Contractor shall be responsible for confirming and correlating all quantities, dimensions, fabrication, materials and methods and means of construction. The General Contractor shall be responsible for coordination of this trade with all other applicable trades. No change shall be allowed in the contract sum by this review, unless authorized by a separate change order.
<u>(1)</u>	<u>For Approval</u>	

A/E ACTION:

REMARKS: _____

NO EXCEPTIONS TAKEN			
X	MAKE CORRECTIONS AS INDICATED		
	REJECTED		REVIEWED
*	RESUBMIT	COPIES	FOR RECORD
DATE	07/10/19	REVIEWED BY:	ZA
LOG NO: 08110-1 REV #1			
ZYSKOVICH, INC.			
100 N. BISCAYNE BLVD., 27TH FLOOR, TEL: 305-372-5222		MIAMI, FLORIDA 33132 FAX: 305-577-4521	

Notes/Comments:

1. General Contractor to coordinate with all trades.
2. Comply with Specification Section 08110.1.04A- Fire rating assembly to meet NFPA 80, Refer to sheet A-800 for undercut to bottom of fire rated doors.
- 3.*Concession 7101 & Serving Bay 7116, arch. tag 'A4' - Provide complete fabricated unit with integral serving sill, refer to detail 7/A861
- 4.*Arch. tag 'SL1' (shop drawing elevation SL5), submit shop drawings for interior sliding window

name of A/E

m name

Product Data Sheet/Shop Drawings Review Submittal No <u>08110-1 Rev #1</u> Reviewed by: <u>Silvia Agreda</u> Date: <u>06/21/2019</u> Thornton Construction Company, Inc.
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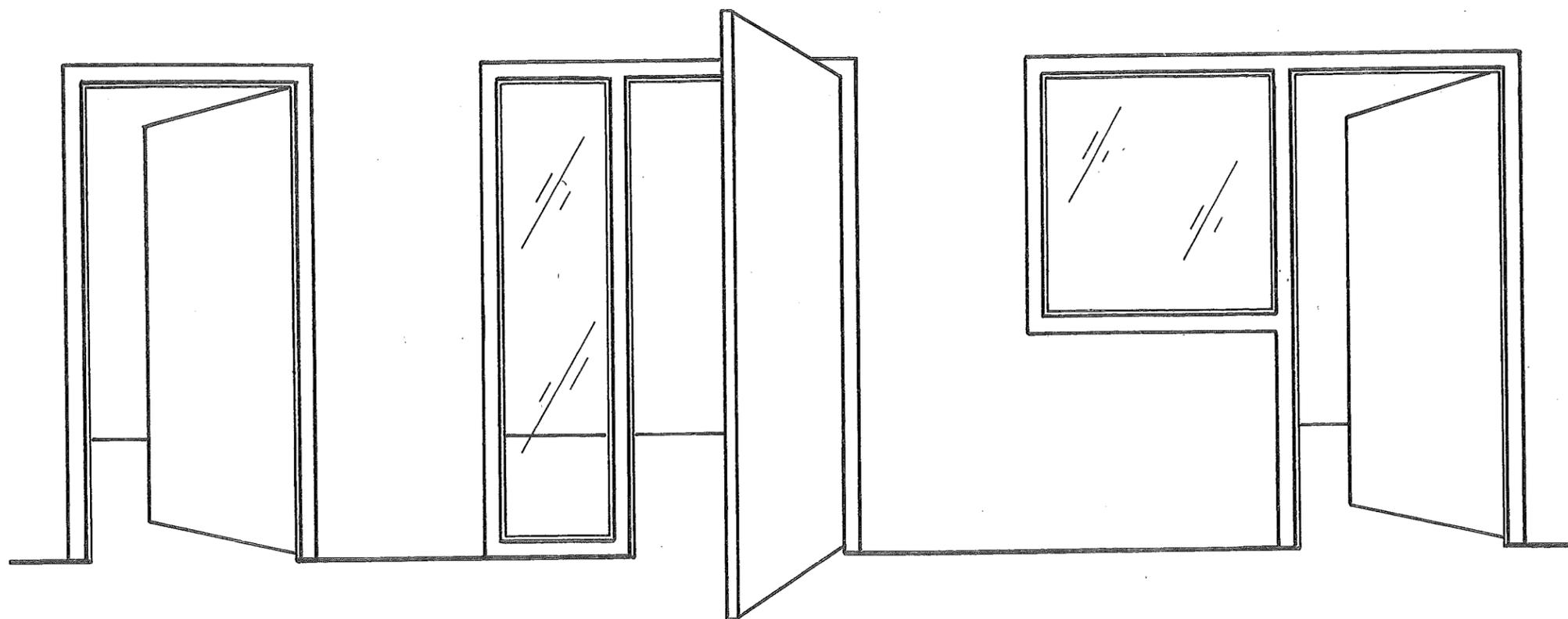
QUALITY

ENGINEERED

PRODUCTS

COMPANY, INC.

MANUFACTURERS OF STEEL DOORS AND FRAMES



JOB:

Miam. Palmetto Senior High School

LOCATION:

Precrest, FL

ARCHITECT:

Zyscovich Architects

CONTRACTOR:

Thornton Construction

DRAWN BY:

ABenstein

DATE:

12/5/18

SHEET 1 OF 18

JOB NUMBER:

18-733

FRAME MATERIAL : EXTERIOR FRAMES TO BE 16ga STEEL. INTERIOR FRAMES TO BE 16ga STEEL.
 DOOR MATERIAL : EXTERIOR DOORS TO BE 16ga STEEL. INTERIOR DOORS TO BE 16ga STEEL.

GENERAL NOTES

All hollow metal to be A60 Galvanized Material

Hollow metal doors and frames must be stored under cover and upright.

Doors and frames shall be bonderized and receive one coat of grey rust inhibitive zinc chromate or zinc oxide air dried primer, 2 mils thick.

With A60 coating designation according to ASTM A924 and ASTM A653

Concealed sides of doorframes to receive bituminous coating prior to installation or application of grout.

Frames will be supplied with three anchors per jamb, base anchors, and removable spreader bars to insure construction during shipment. Labeled anchors will be welded in jambs. All masonry or concrete walls will be supplied with plaster guards.

All frames will be punched for three rubber silencers per strike jamb for single openings and two per head for double openings.

Except for doors to receive continuous weatherstripping

Due to shipping limitations all frames exceeding 10'-0" in height or length will be spliced and shipped in sections for field assembly by general contractor

Frame profiles shall be press brake formed and sharp with heads and jambs accurately mitered, welded and ground smooth.

Fully

Frames receiving glass shall be provided with screw-on counter sunk stops (3/4" x 5/8") of same material and finish as frames.

Inner structure of doors shall be rigidly reinforced with 20 gauge continuous vertical "Z" stiffeners or polystyrene at the option of manufacture.

Doors to be manufactured with "seamless edge" type construction. *{ See Next Page 3 of 18 }*

Tops and bottoms are reinforced by channels the full width of the doors. The tops of all exterior doors shall be closed flush by an inverted channel.

All window kits and metal louvers are manufactured by Quality Engineered Products. Louvers shall be "Z" type with 50% free air. Fire-rated louvers are fusible link design.

Hinge reinforcements for doors and frames will be seven (7) gauge. All other reinforcements shall be as specified.

Hardware locations to be manufactured standard, unless otherwise specified.

Fabrication of required material for this project will proceed only after receipt of signed approval by the Architect. Also, a signed, approved copy of the finished hardware schedule and all necessary hardware templates will be required.

No alterations or field work shall be performed without prior written approval from Quality.

Doors and frames shall be reinforced, drilled and tapped for morticed hardware in accordance with the finish hardware schedule. Function holes shall be provided at the factory for locksets and exit devices. Trim mounting holes for hardware are to be drilled and tapped in the field by others.

All fire rated assemblies must be self-latching and self-closing. Any assembly which does not meet this criteria by the approved hardware schedule will be manufactured as label construction and will not bear the fire label.

Quality Engineered Products is not responsible for any errors resulting from use of these drawings by other trades.

Tentative date for first shipment of door frames is 10 to 15 working days after receipt of approved shop drawings, approved hardware schedule and hardware templates.

All doors and frames shall be reinforced for surface mounted hardware in accordance with the finish hardware schedule. Drilling and tapping for attaching of surface mounted hardware shall be done in the field by others.

Hollow metal should be painted with a flat or semi-gloss paint. Under no circumstances should steel stiffened hollow metal doors be painted with a high gloss enamel. We will not be responsible for any weld marks that are "Telegraphed" as a result of a high gloss enamel.

QUALITY

ENGINEERED

PRODUCTS

COMPANY, INC.

JOB: *Miam. Palmetto SHS*
 LOCATION: *Freeport, FL*
 CUSTOMER: *Thornton Construction*

SHEET *2* OF *18*
 DATE: *12/5/18*

Door Construction Details
(Dade County Public Schools)

STC Notes P. Vaseco B/W Per ATT Data File # 96991.02 *Repd NO: 96991.02-13-1A
 Notes Per Door Schedule A-B10-A-8153 *All HM Doors Phys? will be actual to meet STC 15
 *STC Walls w/ STC Rating of 45 Req. FM Show STC 25 Rating
 *STC Walls " " " " 50 Req. " " " STC 30 Rating
 *STC Walls " " " " 60 Req. " " " STC 40 Rating
 *Verify All Mark Numbers During Review
 of Submittals. Changes must be connected
 by Revised Foreach Mark Number listed in the
 Remarks Column

Exterior Door tops to be Flush Filled in and Sanded to assure a Watertight Seal

Continous 16 Gauge Hinge Rail

20 Gauge Steel Ribs

*16 Gauge Face Sheets Standard

12 Gauge Closer Reinforcement (Box Type)

16 Gauge End Channel

Fiberglass Insulation Min(R13)

Continous 16 Gauge Lock Rail

16 Gauge Lock Reinforcement Or 12 Gauge Panic Reinforcement (4" x 20") as Required

Continous 16 Gauge Lock Rail

2 1/4"

1 1/8"

12 Gauge Tabs

Edges are Continuously Welded and Ground Smooth

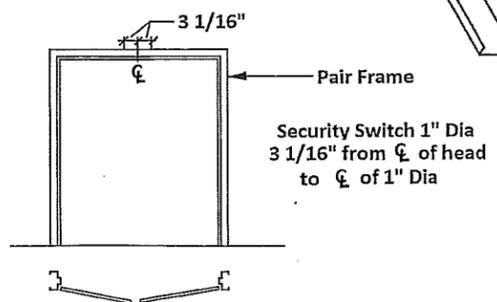
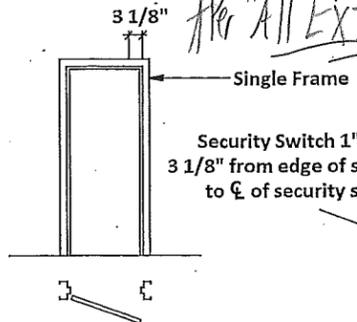
Continous Hinge Channel 16 Gauge

4 1/2"

3/16" thick (7 Gauge) Hinge Reinforcement

*Security Switch Preparation

Per "All" Exterior HM Doors Frames



*Meets or Exceeds Requirements of ANSI Specification A250.8 for Levels 3 and 4, Physical performance Level A, Model 1 and 2

QUALITY ENGINEERED PRODUCTS COMPANY, INC.

JOB: Miami Palmetto HS
 LOCATION: Pinecrest, FL
 CUSTOMER: Thornton Construction

SHEET 3 OF 18
 DATE: 12/5/18

*HCAArchitect: Please Verify "All" Jamb Widths, Anchor Types, Elevations, Etc. *

NOA # to be corrected per submitted revised NOA, typ.

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA								LABEL	DOOR DATA					REMARKS	HDW. SE				
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE		QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE						
*Building I	Grand Floor *																					
Exterior/Cordwalk	Stair 2	1100B	1100B	1	16	RHR	6' x 7'	5 3/4	1x2	E2	A	90	PR	16	NL	1 3/4	5" x 20"	180°	180°	180°	180°	10
Exterior/Cordwalk	Admin/Recep.	1101	1101	*	*	RHR	3' x 8'	-	Alum	By Others	*							180°				10
Exterior	Admin/Recep.	1101	1101.1	*	*	RHR	3' x 8'	-	Alum	By Others	*							180°				10
Secret Space 1101A	Store/B. Keeping	1102	1102	1	16	LHR	3' x 7'	5 7/8	3	E1	A	SM	1	16	NL	1 3/4	5" x 20"					26
Store/B. Keeping 1102	Storage	1102A	1102A	1		RH			3	E1	A		1		F							32
Secret Space 1101A	Staff Toilet	1103	1103	1		RHR			3	E1	A	SM	1		F							24
	Staff Toilet	1104	1104	1		RHR			3	E1	A	SM	1		F							24
	ADM. Office	1105	1105	1		RH			3	E1	A	SM	1		NL		5" x 20"					25
Corridor 1101B	Asst. Princ. Office	1106	1106	1		LH			3	E1	A	SM	1		NL		5" x 20"					25
	Asst. Princ. Office 2	1107	1107	1		RH			3	E1	A	SM	1		NL		5" x 20"					25
	Security	1108	1108	1		LH			3	E1	A	SM	1		F							25
	Asst. Princ. Office?	1109	1109	1		LH			3	E1	A	SM	1		NL		5" x 20"					25
	Director's Office	1110	1110	1		RH			3	E1	A	SM	1		NL		5" x 20"					25
	Data	1111	1111	1		LH			3	E1	A	SM	1		F							33
	Elec.	1112	1112	1		LH			3	E1	A	90	1		F							34
	Admin Office	1113	1113	1		LH			3	E1	A	SM	1		NL		5" x 20"					25
	Records Vault	1114	1114	1		LH			3	E1	A	45	1		F							33
	Conf. Room	1115	1115	1		RHR			3	E1	A	SM	1		NL		5" x 20"	180°				25
	Admin Storage	1116	1116	1		LH			3	E1	A	SM	1		F							33
	Principle Office	1117	1117	1		LH			3	E1	A	SM	1		NL		5" x 20"					25
Conf. Room 1115	Principle Office	1117	1117.1	1		RHR	6' x 7'		3	E2	A		PR		NL		5" x 20"	180°	180°	Both Ways		07
Corridor 1101B	Trner. Off. Att.	1118	1118	1		LH	3' x 7'		3	E1	A	SM	1		NL		5" x 20"					25
Corridor 1101B	Trner. Off. Att.	1119	1119	1		LH			3	E1	A	SM	1		NL		5" x 20"					25
Exterior	CLASSROOM	1120	1120	1		LHR			2	E1	A				NL		5" x 20"					09
Exterior	Str. Serv. Recp.	1121	1121	*	*	RHR	3' x 7'	-	Alum	By Others	*											10
Guid. Sect. 1121K	Trner. Off. Stud.	1121A	1121A	1	16	LH	3' x 7'	5 7/8	3'	E1	A	SM	1	16	NL	1 3/4	5" x 20"					25
	Conf. Room	1121B	1121B	1		LHR		5 7/8	3	E1	A	SM	1		NL		5" x 20"					25
	Office	1121C	1121C	1		RH		5 7/8	3	E1	A	SM	1		NL		5" x 20"					25
	Trner. Off. Stud.	1121D	1121D	1		LH		5 7/8	3	E1	A	SM	1		NL		5" x 20"					25

INTERIOR WALL PARTITION. REQUIRE TWO LAYERS OF GYP. BOARD ON BOTH SIDES (U411) +/- 6-1/8", V.I.F.

Verify Jamb Widths

QUALITY ENGINEERED PRODUCTS COMPANY, INC.

JOB: Miami Palmetto SIS
 LOCATION: Pinecrest, FL
 CUSTOMER: Thornton Construction

SHEET 4 OF 8
 DATE: 12/5/18

XH Architect: Please Verify "All" Jamb Widths, Anchor Types, Elevations, Fire Ratings, Etc.

NOA # to be corrected per submitted revised NOA, typ.

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA								LABEL	DOOR DATA					REMARKS	HDW. SET							
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE		QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE									
X Buildings 2	- Grand Floor X																								
Grnd. Secret Space 121K	Office 2	121E	121E	1	16	RH	3' x 7'	5 7/8	3	EI	A	SM	1	16	NL	1 3/4	5' x 20"	STC40						25	
	Office 3	121F	121F	1		LH		5 7/8	3	EI	A	SM	1		NL		5' x 20"							25	
	Office 4	121G	121G	1		RH		5 7/8	3	EI	A	SM	1		NL		5' x 20"							25	
	Office 5	121H	121H	1	V	LH	V	5 7/8	3	EI	A	SM	1	V	NL	V	5' x 20"							25	
	Careers Room	121J	121J	X	X	LHR	3' x 7' - Alum Ry Others					X												10	
V	V	Clinic	1122	1	16	RHL	3' x 7'	5 7/8	3	EI	A	SM	1	16	NL	1 3/4	5' x 20"	180V							25
Clinic	1122	F. Toilet	1122A	1		LHR		5 7/8	3	EI	A		1		F			STC30							22
Clinic	1122	M. Toilet	1122B	1		RHL		5 7/8	3	EI	A		1		F			STC30							22
Exterior	Stu. Activities	1123	1123	1		LHR		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"	STC30/NOA#17-1102.033/30/133							09
Corridor	1101B	Stu. Activities	1123	1123.1	1	LH		5 7/8	3	EI	A	SM	1		NL		5' x 20"	STC40							25
Exterior	LAB	1124	1124	1		RHL	V	5 3/4	1 or 2	EI	A1		1		NL		5' x 20"	STC30/NOA#17-1102.033/30/133							09
Exterior	Mechanical	1125	1125	1		RHL	6' x 7'	5 3/4	1 or 2	E2	A1	PR			FF										12
Exterior	Cust.	1126	1126	1		RHL	3' x 7'	5 3/4	1 or 2	EI	A1		1		BL		12" x 12"	NOA#17-1102.09							11
Exterior	Production/WR	1127	1127	1		RHL	6' x 7'	5 3/4	1 or 2	E2	A1	PR			FF		24" x 30"	180/180/Panic/NOA#17-1102.033/30/133							11
Exterior	F. Toilets	1128	1128	1		LHL	3' x 7'	5 3/4	1 or 2	EI	A1		1		TL		24" x 6"	STC30/NOA#17-1102.09							13
Exterior	M. Toilets	1129	1129	1		RHL		5 3/4	1 or 2	EI	A1		1		TL		24" x 6"	STC30/NOA#17-1102.09							13
Exterior	Hex. Mech Room	1130	1130	1		RHL	X Verify 3' size?	5 3/4	1 or 2	EI	A1	90	1		F			NOA#17-1102.02							11.2
Exterior	DATA	1132	1132	1		RHL		5 3/4	1 or 2	EI	A1		1		BL		12" x 12"	NOA#17-1102.09							11
Exterior	LAB	1133	1133	1		LHR		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"	STC30/NOA#17-1102.033/30/133							09
Exterior	LAB	1133	1133.1	1		LHR		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"	STC30							09
LAB	Storage	1134	1134A	1		RH		5 7/8	3	EI	A		1		F										29
Exterior	LAB	1134	1134	1		LHR		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"	STC30/NOA#17-1102.033/30/133							09
Exterior	LAB	1134	1134.1	1		RHR		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"								09
Exterior	LAB	1135	1135	1		RHR		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"								09
Exterior	LAB	1135	1135.1	1		RHL		5 3/4	1 or 2	EI	A1		1		NL		5' x 20"								09
LAB	1134	Storage	1135A	1135A	1	LH		5 7/8	3	EI	A		1		F										29
LAB	1134	Storage	1135B	1135B	1	RH	V	5 7/8	3	EI	A		1		F										29
Exterior	Mech.	1136	1136	1		RHL	6' x 7'	5 3/4	1 or 2	E2	A1	PR			FF										12.1
LAB	1135	Res. Cl.	1136A	1136A	1	V	3' x 7'	5 7/8	3	EI	A		1	V	NLL	V	5' x 30"	STC 30 Per contract documents							29

GINEERED PRODUCTS COMPANY, INC.

QUAL

JOB: Miami Palmetto SHS
 LOCATION: Pinecrest, FL
 CUSTOMER: Thornton Construction

SHEET 5 OF 8
 DATE: 12/5/18

X-GC/Architect: Please Verify "All" Jamb Widths, Anchor Type, Elevations, Fire Ratings, Etc. *

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA								LABEL	DOOR DATA				REMARKS	HDW. SET		
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE		QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.			WINDOW OR LOUVER SIZE	
LAB	1135 Storage	1136B	1136B	1	16	LH	3'0" x 7'0"	5 7/8	3	E1	A		1	16	F	1 3/4		STC30	29
Exterior	Cust.	1137	1137	1		RHR		5 3/4	1 or 2	E1	A1		1		BL		12" x 12"	NDA #17-1102.09 <i>Comb</i> / NDA #17-1026.19	11/1
Exterior	LAB	1138	1138	1		LHR		5 3/4	1 or 2	E1	A1		1		NL		5" x 20"	STC30 / NDA #17-1102.02 <i>3/6 3/13</i>	09
Exterior	LAB	1138	1138.1	1		LHR		5 3/4	1 or 2	E1	A1		1		NL		5" x 20"	STC30	09
LAB	1138 Storage	1138A	1138.A	1		LH		5 7/8	3	E1	A		1		F				29
Exterior	LAB Bus. Prac. Exp. Lab	1139	1139	1		LHR		5 3/4	1 or 2	E1	A1		1		NL		5" x 20"	STC30 / NDA #17-1102.03 <i>3/6 3/13</i>	09
Exterior	LAB Bus. Prac. Exp. Lab	1139	1139.1	1		RHR		5 3/4	1 or 2	E1	A1		1		NL		5" x 20"	STC30	09
LAB	1139 Storage	1139A	1139A	1		RH		5 7/8	3	E1	A		1		F				29
Exterior	Elec.	1140	1140	1		RHR		5 3/4	1 or 2	E1	A1	90	1		BL		12" x 12"	NDA #17-1102.01 <i>Comb</i> / NDA #17-1026.19	11/2
Exterior	LAB Child Care Lab	1141	1141	1		RHR		5 3/4	1 or 2	E1	A1	90	1		NL		5" x 20"	STC30 / NDA #17-1102.03 <i>3/6 3/13</i>	09
Exterior	LAB Child Care Lab	1141	1141.1	1		RHR		5 7/8	3	E1	A	90	1		NL		5" x 20"	STC30	09
LAB	1141 Storage	1141A	1141A	1	V	RH	V	5 3/4	1 or 2	E1	A		1	V	F	V			29
LAB	1134 Storage	1134B	T4	1	16	X	4'0" x 4'2"	5 7/8	3	T4	C							*Borrow Light	
LAB	1135 Res. Fr.	1135A	T5	1	16	X	12'0" x 4'2"	5 7/8	3	T5	B/C							*Borrow Light	
Exterior	Exterior Corridor	6-1100	X			RHR	6'0" x 6'8"			Exterior	GATES BY OTHERS	X						*Borrow Light	02
Exterior	Exterior Corridor	6-1100.1	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
Exterior	Ext/Corridor Walk	1100.2	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
		6-1100.3	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
		6-1100.4	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
		6-1100.5	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
		6-1100.6	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
Exterior	Ext/Corridor Walk	6-1100.7	X			RHR				Exterior	GATES BY OTHERS	X						*Borrow Light	02
Exterior	Ext/Corridor Walk	6-1100.8	X			RHR	V			Exterior	GATES BY OTHERS	X						*Borrow Light	02
Building 1 - 2nd Floor																			
Stair 1	1200A Foyer	1200	1200A	1	16	RHR	3'6" x 7'0"	5 3/4	1 or 2	E1	A	90	1	16	NL	1 3/4	5" x 20"	*Borrow Light	3/6
Stair 2	1200B Corridor	1200	1200B	1	16	RHR	6'0" x 7'0"	5 3/4	1 or 2	E2	A	90	PR	16	NL	1 3/4	5" x 20"		5/1
Stair 3	1200C Corridor	1200	1200C	1	16	RHR	6'0" x 7'0"	5 3/4	1 or 2	E2	A	90	PR	16	NL	1 3/4	5" x 20"		5/1
Corridor	1200 T. Planning	1201	1201	1	16	RHR	3'0" x 7'0"	5 7/8	3	E1	A	SM	1	16	HF	1 3/4	24" x 30"	180% STC40	28

Change to door type F

QUALITY ENGINEERED PRODUCTS COMPANY, INC.
 JOB: Miami Yalmetoshs
 LOCATION: Pinecrest FL
 CUSTOMER: Mountain Construction
 SHEET 6 OF 18
 DATE: 2/5/18

* KC Architect: Please Verify "All" Jamb Widths, Anchor Type, Elevations, Fire Ratings, Etc. *

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA								LABEL	DOOR DATA				REMARKS	HDW. SET			
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE		QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.			WINDOW OR LOUVER SIZE		
Corridor	1200	Classroom	1202	1202	1	16	LHR	3'x7'	5 7/8	3	ET	A	SM	1	16	NLL	1 3/4	5" x 30"	STC30	28
		Classroom	1203	1203	1		RHR			3	EI	A	SM	1		NLL		5" x 30"	STC30	28
		Elec.	1204	1204	1		LHR			3	EI	A	90	1		F			180" Verify Jamb Width!	34
		Data	1205	1205	1		LH			3	EI	A	SM	1		F				33
		Classroom	1206	1206	1		RHR			3	EI	A	SM	1		NLL		5" x 30"	STC30	28
		Classroom	1209	1209	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1210	1210	1		RHR	↓	↓	3	EI	A	SM	1		NLL		5" x 30"	↓	28
		Mechanical	1211	1211	1		RHR	6'x7'	5 3/4	1 or 2	E2	A	SM	PR		F			STC40	08
		Cust.	1212	1212	1		LHR	3'x7'	5 3/4	1 or 2	EI	A	SM	1		BL		12' x 12'	INTERIOR WALL PARTITION. REQUIRE TWO LAYERS OF GYP. BOARD ON BOTH SIDES (U411) +/- 6-1/8", V.I.F.	34/1
		Classroom	1213	1213	1		RHR			3	EI	A	SM	1		NLL		5" x 30"	STC30	28
		Classroom	1214	1214	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1215	1215	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1216	1216	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1217	1217	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1218	1218	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1219	1219	1		RHR			3	EI	A	SM	1		NLL		5" x 30"	↓	28
↓	↓	Office/T. Plan.	1220	1220	1		RHR			3	EI	A	SM	1		HG		24" x 30"	STC40	28
Office/T. Plan	1220	Staff Toilets	1220A	1220A	1		RHR			3	EI	A	SM	1		F			STC30	24/1
Office/T. Plan	1220	Staff Toilets	1220B	1220B	1		LHR			3	EI	A	SM	1		F			ELIMINATE BOTTOM LOUVER AND PROVIDE 5/8" UNDER CUT PER MECH. DWGS.	24
Corridor	1200	Classroom	1221	1221	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1222	1222	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1223	1223	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1224	1224	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1225	1225	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1226	1226	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1227	1227	1		LHR	↓	↓	3	EI	A	SM	1		NLL		5" x 30"	↓	28
		Mech.	1230	1230	1		RHR	6'x7'	5 3/4	1 or 2	E2	A	SM	PR		F			STC40	08
		Cust.	1231	1231	1		LHR	3'x7'	5 3/4	1 or 2	EI	A	SA	1		BL		12' x 12"		34/1
↓	↓	Classroom	1232	1232	1	↓	LHR	3'x7'	5 7/8	3	EI	A	SM	1	↓	NLL	↓	5" x 30"	STC30	28

QUALITY ENGINEERED PRODUCTS COMPANY, INC.

JOB: Miami Palmetto SIS
 LOCATION: Palmetto, FL
 CUSTOMER: Thruway Construction

SHEET 7 OF 13
 DATE: 12/5/18

*X/C/Architect: Please Verify "All" Jamb Widths, Anchor Types, Elevations, Fire Ratings, Etc. **

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA									LABEL	DOOR DATA					REMARKS	HDW. SET
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE	QUANTITY		SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE			
Corridor 1200	Classroom 1233	1233	1	16	RHR	3'0" x 7'0"	5 7/8	3	E1	A	SM	1	16	NLY	1 3/4	5" x 30"	STC30	28	
	Classroom 1234	1234			RHR			3	E1	A	SM	1		NL		5" x 30"		28	
	Classroom 1235	1235	1		LHR			3	E1	A	SM	1		NL		5" x 30"		28	
	Classroom 1236	1236	1		LHR			3	E1	A	SM	1		NL		5" x 30"		28	
	Classroom 1237	1237	1		RHR			3	E1	A	SM	1		NL		5" x 30"		28	
	Classroom 1238	1238	1		RHR			3	E1	A	SM	1		NL		5" x 30"		28	
	Classroom 1239	1239	1		RHR			3	E1	A	SM	1		NL		5" x 30"	V	28	
	Data 1240	1240	1		RHR			3	E1	A	SM	1		F				33	
	Elec. 1241	1241	1		RHR			3	E1	A	90	1		F			*Verify Jamb Width!	33	
V	V	Textbook Stac. 1242	1	V	LH	V	V	3	E1	A	SM	1	V	F	V			33	
						3'0" x 7'0"	- Allow Br Others *												
Corridor 1200	T. Plan 1201	T5	1	16	X	12'0" x 4'2"	5 7/8	3	T5	B/C	SM						*Bottom Light *		
Corridor 1200	T. Plan 1201	T4	2	16	X	4'0" x 4'2"	5 7/8	3	T4	C	SM						*Bottom Light *		
Corridor 1200	Office/T. Plan 1220	T4	1	16	X	4'0" x 4'2"	5 7/8	3	T4	C	SM						*Bottom Light *		
* Building I	3rd Floor *																		
Stair 1	1300A Foyer	1300A	1	16	LHR	3'6" x 7'0"	5 3/4	1 or 2	E1	A	90	1	16	NL	1 3/4	5" x 20"	Peric Structure	36	
Stair 2	1300B Corridor	1300B	1		RHR	6'0" x 7'0"	5 3/4	1 or 2	E2	A	90	PR		NL		5" x 20"		51	
Stair 3	1300C Corridor	1300C	1		RHR	6'0" x 7'0"	5 3/4	1 or 2	E2	A	90	PR		NL		5" x 20"	V	51	
Corridor 1300	T. Planning 1301	1301	1		RHR	3'0" x 7'0"	5 7/8	3	E1	A	SM	1		H/L		24" x 30"	180° STC40	17	
	Classroom 1302	1302	1		LHR			3	E1	A	SM	1		NL		5" x 30"	STC30	28	
	Classroom 1303	1303	1		RHR			3	E1	A	SM	1		NL		5" x 30"	STC30	28	
	Elec. 1304	1304	1		LHR			3	E1	A	90	1		F			130° Verify Jamb Width!	34	
	Data 1305	1305	1		LH			3	E1	A	SM	1		F				33	
	Classroom 1306	1306	1		RHR			3	E1	A	SM	1		NL		5" x 30"	STC30	28	
	Classroom 1309	1309	1		LHR			3	E1	A	SM	1		NL		5" x 30"		28	
	Classroom 1310	1310	1		RHR	V	V	3	E1	A	SM	1		NL		5" x 30"	V	28	
	Mech. 1311	1311	1		RHR	6'0" x 7'0"	5 3/4	1 or 2	E2	A	SM	PR		EE			STC40	08	
	Cast. 1312	1312	1		LHR	3'0" x 7'0"	5 3/4	1 or 2	E1	A	SM	1		BL		12" x 12"		34.1	
V	V	Classroom 1313	1	V	LHR	3'0" x 7'0"	5 7/8	3	E1	A	SM	1	V	NL	V	5" x 30"	STC30	28	

INTERIOR WALL PARTITION. REQUIRE TWO LAYERS OF GYP. BOARD ON BOTH SIDES (U411) +/- 6-1/8" V.I.F.

ELIMINATE BOTTOM LOUVER AND PROVIDE 5/8" UNDER CUT PER MECH. DWGS.

QUALITY ENGINEERED PRODUCTS

COMPANY, INC.

JOB: Miami, Palmetto SHS
 LOCATION: Pinecrest, FL
 CUSTOMER: Horizon Construction

SHEET 8 OF 18
 DATE: 12/5/18

*HC/Architect: Please Verify "All" Jamb Widths, Anchor Types, Elevations, Fire Ratings, Etc. *

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA									LABEL	DOOR DATA					REMARKS	HDW. SET	
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE	QUANTITY		SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE				
Corridor	1300	Classroom	1314	1314	1	16	LHR	3' x 7'	5/8	3	EI	A	SM	1	16	NLL	1 3/4	5" x 30"	STC30	28
		Classroom	1315	1315	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1316	1316	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1317	1317	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1318	1318	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1319	1319	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1320	1320	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1321	1321	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1322	1322	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1323	1323	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1324	1324	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1327	1327	1		LHR	↓	↓	3	EI	A	SM	1		NLL		5" x 30"	↓	28
		Merch.	1328	1328	1		RHR	6' x 7'	5 3/4	10/2	E2	A	SM	PR		FF			STC40	08
		Cust.	1329	1329	1		LHR	3' x 7'	5 3/4	10/2	E1	A	SM	1		BL		12" x 12"		34.1
		Classroom	1330	1330	1		LHR		5/8	3	EI	A	SM	1		NLL		5" x 30"	STC30	28
		Classroom	1331	1331	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1332	1332	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1333	1333	1		LHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1334	1334	1		RHR			3	EI	A	SM	1		NLL		5" x 30"		28
		Classroom	1335	1335	1		RHR			3	EI	A	SM	1		NLL		5" x 30"	↓	28
↓	↓	T. Planning	1336	1336	1		LHR			3	EI	A	SM	1		HG		24" x 30"	STC40	17
T. Planning	1336	Staff Toilet	1336A	1336A	1		RHR			3	EI	A	SM	1		F			STC30	24
T. Planning	1336	Staff Toilet	1336B	1336B	1		RHR			3	EI	A	SM	1		F				24
Corridor	1300	Classroom	1337	1337	1		RHR			3	EI	A	SM	1		ML		5" x 30"	↓	28
		Data	1338	1338	1		RH			3	EI	A	SM	1		F				33
		Elec.	1339	1339	1		RH			3	EI	A	90	1		F			*Verify Jamb Width	34
↓	↓	Textbook Stor.	1340	1340	1	↓	LH	↓	↓	3	EI	A	SM	1	↓	F	↓			33
Corridor	1300	T. Planning	1301	T5	1	16	*	12' x 4'	5/8	3	T5	B/C	SM						*Borrow Light	
Corridor	1300	T. Planning	1301	T4	2	16	*	4' x 4'	5/8	3	T4	C	SM						*Borrow Light	

ELIMINATE BOTTOM LOUVER AND PROVIDE 5/8" UNDER CUT PER MECH. DWGS.

QUALITY ENGINEERED PRODUCTS COMPANY, INC.
 JOB: Miami Palmetto JHS
 LOCATION: Precast, FL
 CUSTOMER: Thurston Construction
 SHEET 9 OF 18
 DATE: 12/5/18

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA					DOOR DATA					REMARKS	HDW. SET		
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE	LABEL	QUANTITY			SERIES & GAUGE	TYPE
Corridor 1300	T. Planning 1336	T5	1	16	X	120 x 42	5/8	3	T5	B/C					*Borrow Light	
Corridor 1300	T. Planning 1336	T4	1	16	X	40 x 42	5/8	3	T4	C					*Borrow Light	
*Borrow Lights - Blks #2 CCTV Control 2107A	CCTV Studio 2107B	CB3	1	16	-	120 x 42	5/8	3	CB3	A/B/C					*Spings out from C. Room / Double Glazed	

DOUBLE GLAZED PER RFI #10

QUALITY

ENGINEERED

PRODUCTS

COMPANY, INC.

JOB: Miami Palmetto HS

LOCATION: Sweet FL

CUSTOMER: Horton Construction

SHEET 10 OF 18
DATE: 12/5/18

* GC Architect: Please Verify "All" Jamb Widths, Anchor Types, Elevations, Fire Ratings, Etc. *

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA								LABEL	DOOR DATA					REMARKS	HDW. SET
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE		QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE		
Dining 7115	Service Bay 7118A	7118A	1	16	LHR	3' x 7'	8 1/4	3	EF	A		1	16	NL	1 3/4	5" x 20"		27
Service Bay 7118A	Paper Storage 7119	7119	1		LHR		5 3/4	10/2	EF	A		1		NL		5" x 20"		16
Service Bay 7118A	Mop Room 7120	7120	1		RH		5 7/8	3	EF	A		1		BL		12" x 12"		16
Food Prep 7118	Dry Storage 7122	7122	1		LH		5 3/4	10/2	EF	A		1		NL		5" x 20"		16
Food Prep 7118	Laundry 7123	7123	1		LH		5 7/8	3	EF	A		1		F			STC 30	25
Laundry 7123	Bathroom 7123A	7123A	1		LHR		5 7/8	3	EF	A		1		F			STC 30	22
Service Bay 7118A	Office 7124	7124	1		LH	↓	8 1/4	3	EF	A		1		NL		5" x 20"	STC 40	25
Ext/Rec. 7100A	Flam. Stor. 7125	7125	1		RHRA	6' x 7'	5 3/4	10/2	E2	A	90	PR		BL	24" x 24"	Max Lower Size / NOA #17-102.01	STC 40	40
Ext/Rec. 7100A	Rec/Work Area 7126	7126	1		RHRA	6' x 7'	5 3/4	10/2	E2	A		PR		F		NOA #17-102.02	STC 40	41
Rec/Work Area 7126	Office 7126A	7126A	1		LH	3' x 7'	5 7/8	3	EF	A		1		NL		5" x 20"	STC 40	25
	Office 7126B	7126B	1		RH		5 7/8	3	EF	A		1		NL		5" x 20"	STC 40	25
	Staff Toilet 7126C	7126C	1	↓	LHR	↓	5 7/8	3	EF	A		1	↓	NL		5" x 20"	* Verify Pan Elevations / STC 30	23
↓	Equip. Stor. 7126D	7126D	*	*		6' x 7'	Wire Mesh	10/2	10/2	10/2	10/2	10/2					Provide door type 'F' in lieu of 'NL'	38
Exterior	Water Heater 7127	7127	1	16	RHR	3' x 7'	5 3/4	10/2	EF	A	90	1	16	F	1 3/4		NOA #17-102.02	11/1
Exterior	Elec. Room 7128	7128	1	16	LHR	3' x 7'	5 3/4	10/2	EF	A	90	1	16	BL	1 3/4	24" x 24"	Max Lower Size / NOA #17-102.01	11/1
Exterior	Mech Room 7129	7129	1	16	RHRA	6' x 7'	5 3/4	10/2	E2	A		PR		BL	1 3/4	24" x 30"	Verify Lower Size / NOA #17-102.01	12
Service Bay 7118A	Office 7124	7124	2	16	*	4' x 4'	8 1/4	3	TH	C							* Borrow Light	
Rec/Work Area 7126	Office 7126A	7126A	1	16	*	4' x 4'	5 7/8	3	TH	C							* Borrow Light / Verify Elev. Type	
* Building FA (Kind)	used Arts Storage																	
Ex/Cond Walk 7100	T. Planning 7101	7101	1	16	LHR	3' x 7'	5 3/4	10/2	EF	A		1	16	NL	1 3/4	5" x 20"	Change to Flush door, door type 'F'	09
Ex/Cond Walk 7100	Concessions 7101	7101	1		RHR		5 3/4	10/2	EF	A		1		F			Impact door, provide NOA	09
Concessions 7101	Storage 7101A	7101A	1		RHR		5 3/4	10/2	EF	A		1		F				17
Exterior	M. Toilets 7102	7102	1		LHR		5 3/4	10/2	EF	A		1		TL		24" x 6"	NOA #17-102.09	13
Exterior	F. Toilets 7103	7103	1		RHR		5 3/4	10/2	EF	A		1		TL		24" x 6"	NOA #17-102.09	13
Exterior	Vocal 7104	7104	1		LHR		5 3/4	10/2	EF	A		1		NL		5" x 20"	STC 40 / NOA #17-102.03	09
Exterior	Vocal 7104	7104	1		LHR		5 3/4	10/2	EF	A		1		NL		5" x 20"	STC 40	09
Vocal 7104	Practice 7104A	7104A	1		RHR		8 1/4	3	EF	A		1		NL		5" x 20"	STC 40	26.1
Vocal 7104	Practice 7104B	7104B	1		LHR		8 1/4	3	EF	A		1		NL		5" x 20"	STC 40	26.1
Vocal 7104	Storage 7104C	7104C	1	↓	RHR	↓	8 1/4	3	EF	A		1	↓	F	↓			16.1

QUALITY ENGINEERED PRODUCTS COMPANY, INC.
 JOB: Miami Palmetto SHS
 LOCATION: Pinecrest, FL
 CUSTOMER: Invision Construction
 SHEET 12 OF 18
 DATE: 12/15/18

*K/C Architect: Please Verify "All" Jamb Widths, Anchor Types, Elevations, Fire Ratings, Etc. *

Change to Door type 'N', eliminate louver from door. GC to provide louver with fusible link at adjacent partition.

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA								LABEL	DOOR DATA					REMARKS			
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE		QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE				
Viral	Ensemble	7104	7104	1	16	LHR	3'0" x 7'0"	8 1/4	3	E1	A		1	16	NL	1 3/4	5" x 20"	STC 45 DOUBLE GLAZING	09	
Exterior	LAB	7105	7105	1	16	RHR	3'0" x 7'0"	5 3/4	10r2	E1	A1		1	16	NL	1 3/4	5" x 20"	NOA#17-1102.03 3/30/135	09	
Exterior	LAB	7105	7105.1	*	*	RHR	6'0" x 7'0"	- Alum. By Others										Panic Hardware by Others / STC 30b, Others *	01	
LAB	KITN	7105A	7105A	1	16	LH	3'0" x 7'0"	8 1/4	3	E1	A	4B	1	16	NL	1 3/4	5" x 20" 18" x 18"		30	
LAB	Storage	7105B	7105B	1	16	RH	3'0" x 7'0"	8 1/4	3	E1	A		1	16	F				30	
Exterior	LAB	7106	7106	1	16	LHR	3'0" x 7'0"	5 3/4	10r2	E1	A1		1	16	NL	1 3/4	5" x 20"	NOA#17-1102.03 3/30/135	09	
Exterior	LAB	7106	7106.1	*	*	RHR	6'0" x 7'0"	- Alum. By Others										Panic Hardware / STC 30b, Others *	01	
LAB	Storage	7106A	7106A	1	16	RH	3'0" x 7'0"	8 1/4	3	E1	A		1	16	NL	1 3/4	5" x 30"		30	
Exterior	LAB	7107	7107	1		RHR		5 3/4	10r2	E1	A1		1		NL		5" x 20"	NOA#17-1102.03 3/30/135	09	
LAB	Dark Room	7107A	7107A	1		LHR		8 1/4	3	E1	A		1		F				16.1	
LAB	Storage	7107B	7107B	1		RH		5 3/4	10r2	E1	A		1		F				30	
Exterior	Cust.	7108	7108	1		RHR		5 3/4	10r2	E1	A1		1		BL		12" x 12"	NOA#17-1102.01 w/ NOA#17-1102.19	11	
Exterior	DATA	7109	7109	1		RHR	V		10r2	E1	A1		1		F			NOA#17-1102.02 comb NOA#17-1102.19	11	
Exterior	Dance	7110	7110	1		RHR	6'0" x 7'0"		10r2	E2	A1		PR		NL		5" x 20"	NOA#17-1102.03 3/30/135	41	
Exterior	Dance	7110	7110.1	1		RHR	3'0" x 7'0"		10r2	E1	A1		1		F			NOA#17-1102.02 comb NOA#17-1102.19	09	
Exterior	Mech.	7111	7111	1		RHR	6'0" x 7'0"		10r2	E2	A1		PR		BL		24" x 24"	NOA#17-1102.01 comb NOA#17-1102.19	12	
Exterior	Elec.	7112	7112	1	V	RHR	3'0" x 7'0"	V	10r2	E1	A1	90	1	V	BL	V	24" x 24"	V	11.2	
			67100	*	*		6'0" x 6'0"	Exterior Gate by Others *												
*Building 4 / Proposed Little Theatre - 4th Floor *																				
Exterior	LAB	4101	4101	1	16	RHR	6'0" x 7'0"	5 3/4	10r2	E2	A1		PR	16	NL	1 3/4		Panic Hardware / STC 40 / STC 42	41	
Exterior	LAB	4101	4101.1				20'0" x 15'0"	- Overhead B / Others *												37
Exterior	LAB	4101	4101.2	1	16	LHR	3'0" x 7'0"	5 3/4	10r2	E1	A1		1	16	F	1 3/4		NOA#17-1102.02 comb NOA#17-1102.19	09	
LAB	Storage	4101A	4101A	1		RHR	6'0" x 7'0"	8 1/4	3	E2	A		PR		F			STC 40	07	
LAB	Control Room	4101B	4101B	1		LHR	3'0" x 7'0"	8 1/4	3	E1	A		1		NL			Double glaze, STC45	28	
LAB	Storage	4101C	4101C	1		LHR	4'0" x 7'0"	8 1/4	3	E2	A		1		F				28.1	
Exterior	Elec.	4102	4102	1	V	LHR	3'0" x 7'0"	5 3/4	10r2	E1	A1	90	1	V	F	V		NOA#17-1102.02 w/ NOA#17-1102.19	11.2	

QUALITY ENGINEERED PRODUCTS COMPAN

JOB: Miami Palmetto SHS
 LOCATION: Pinecrest, FL
 CUSTOMER: Thomson Construction

SHEET 13 OF 18
 DATE: 12/5/18

* GC/Architect. Please verify "All" Jamb Widths, Anchor Types, Elevations, Fire Ratings, Etc. *

FROM	TO	ARCH. OPENING NUMBER	FRAME DATA									DOOR DATA					REMARKS	HDW. SET	
			QUANTITY	SERIES & GAUGE	HAND	OPENING SIZE	JAMB WIDTH	ANCHOR	ELEV.	PROFILE	LABEL	QUANTITY	SERIES & GAUGE	TYPE	DOOR THK.	WINDOW OR LOUVER SIZE			
Vestibule 2116	Production/Per. 2101F	2101F	1	16	RH/A	6'0" x 7'0"	5 7/8	3	E2	A		PR	16	NL	1 3/4	5' x 20"	STC40	07	
Intr. Circ. 2100	CLASSROOM 2105	2105	1	16	RH/C	3'0" x 7'0"	5 7/8	2	E1	A	SM	1	16	NL	1 3/4	5' x 30"	STC30	90 DEGREE	28
Intr. Circ. 2100	Library/Stacks 2106	2106	1	16	RH/A	6'0" x 7'0"	5 7/8	3	E2	A	SM	PR	16	NL	1 3/4	5' x 30"	STC40		06
Exterior	Library/Stacks 2106	2106.1	*	*	RH/A	6'0" x 7'0"	-	Alum	By Others		*								01
Library/Stacks 2106	Storage 2106A	2106A	1	16	LH	3'0" x 7'0"	5 7/8	3	E1	A		1	16	NL	1 3/4	5' x 30"	STC40		33
Library/Stacks 2106	Office 2106B	2106B	1		RH/C		5 7/8	3	E1	A		1		NL	1	5' x 30"	STC40		25
Intr. Circ. 2100	LAB 2107	2107	1		RH/C		5 7/8	2	E1	A	SM	1		NL		5' x 30"	STC30	90 DEGREE	15
Intr. Circ. 2100	LAB 2107	2107.1	1		RH/C		5 7/8	2	E1	A	SM	1		NL		5' x 30"	STC30	90 DEGREE	15
LAB 2107	Storage 2108	2108	1		RH		5 7/8	3	E1	A		1		HF		24' x 30"			30
LAB 2110	Storage 2110	2108	1		RH		5 7/8	3	E1	A		1		HF		24' x 30"			30
Intr. Circ. 2100	Ext. Leann 2109	2109	1	V	RH/A	6'0" x 7'0"	5 7/8	3	E2	A	SM	PR	V	NL	V	5' x 30"	STC40	*Verify Jamb Width & Anchor Type.	06
Library/Stacks 2106	Ext. Leann 2109	2109.1	*	*	RH/A	6'0" x 7'0"	-	Alum	By Others		*								01
Exterior	Ext. Leann 2109	2109.2	*	*	RH/A	6'0" x 7'0"	-	Alum	By Others		*								01
Intr. Circ. 2100	LAB 2110	2110	1	16	RH/C	3'0" x 7'0"	5 7/8	2	E1	A	SM	1	16	NL	1 3/4	5' x 30"	STC30	90 DEGREE	15
Intr. Circ. 2100	LAB 2110	2110.1	1		RH/C		5 7/8	2	E1	A	SM	1		NL		5' x 30"	STC30	90 DEGREE	15
Intr. Circ. 2100	Open Plan 2111	2111	1		RH/C		5 7/8	2	E1	A	SM	1		NL		5' x 30"	STC30	90 DEGREE	15
Exterior	Open Plan 2111	2111.1	1		RH/C		5 7/8	2	E1	A		1		NL		5' x 20"			09
Intr. Circ. 2100	Open Plan 2111	2111.2	1		LH/C		5 7/8	2	E1	A	SM	1		NL		5' x 30"	STC30	90 DEGREE	15
Open Plan 2111	Storage 2111A	2111A	1		RH/C		5 7/8	2	E1	A		1		F					33
Intr. Circ. 2100	Cust. 2113	2113	1		RH/C		5 7/8	2	E1	A		1		B		12' x 12"			34
Exterior	Mech Room 2115	2115	1		RH/A	6'0" x 7'0"	5 3/4	10/2	E2	A		PR		B/B		24' x 30"			12
Exterior	Vestibule 2116	2116	1		RH/A	6'0" x 7'0"	5 7/8	2	E2	A		PR		NL/NL		5' x 20"			12
Vestibule 2116	M. Telecom 2116A	2116A	1		RH/C	3'0" x 7'0"	5 7/8	3	E1	A		1		F					35
Exterior	Mech Room 2117	2117	1		RH/A	6'0" x 7'0"	5 7/8	2	E2	A		PR		B/B		24' x 30"			12
Ext./Cover Walk 5100B	Elev. Room 5105A	5105A	1	V	LH/R	3'0" x 7'0"	5 3/4	10/2	E1	A	9D	1	V	F	V				11
Exterior	Mech. Room 3199	3199	*	*	*	6' x 7'	-	Gate	By Others		*								
* Building 5A (2nd Floor) Remodeled Sci Bldg	2nd Floor 201		*																
LAB 5201	Mech. Storage 5201A	5201A	1	16	RH	3'0" x 7'0"	5 7/8	3	E1	A		45	16	F	1 3/4				29
LAB 5211	Mech. Storage 5201A	5201A	1	16	LH	3'0" x 7'0"	5 7/8	3	E1	A		45	16	F	1 3/4				30

Door Type 'FG' REMARKS

Panic Hardware - STC 40. Field verify existing wall opening prior door fabrication. Attached door frame to metal wall.

BLL/BLL

QUALITY ENGINEER

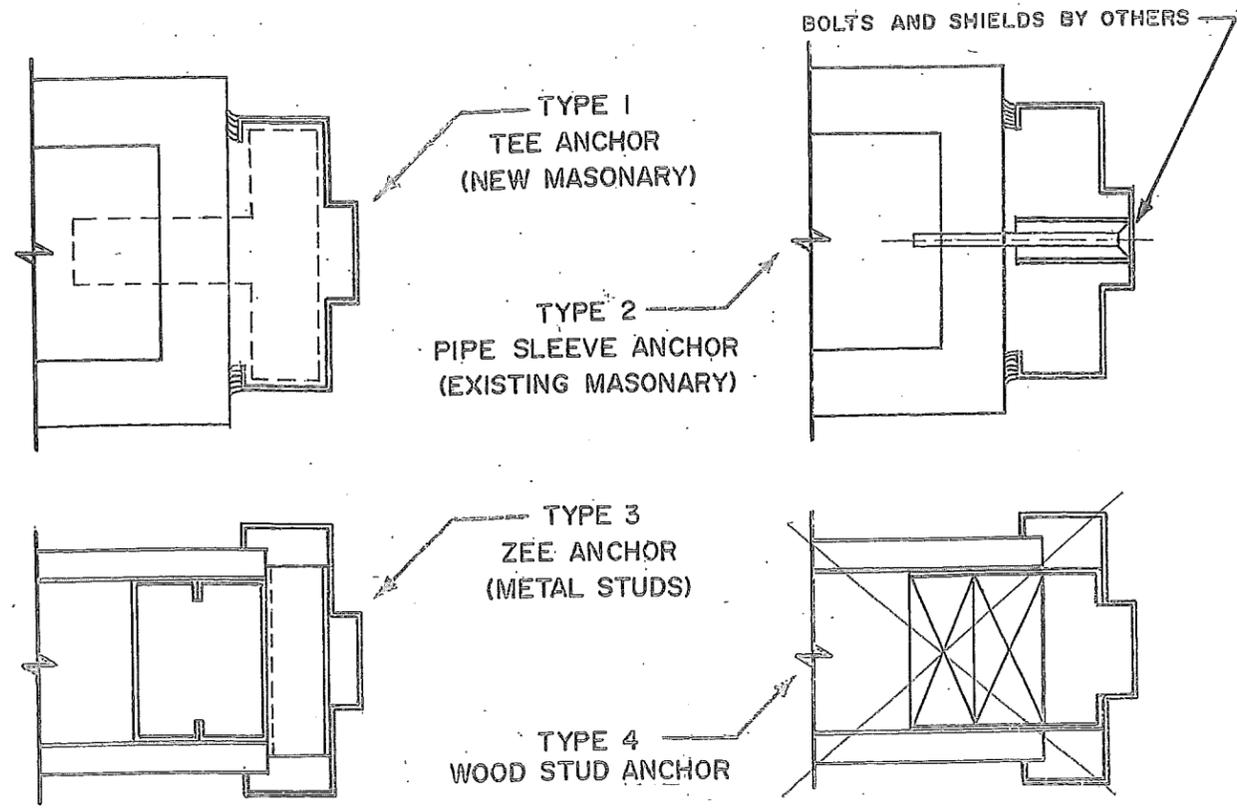
Existing wall opening, field verify.

JOB: Miami Alameda St
 LOCATION: Precast FL
 CUSTOMER: Horton Construction

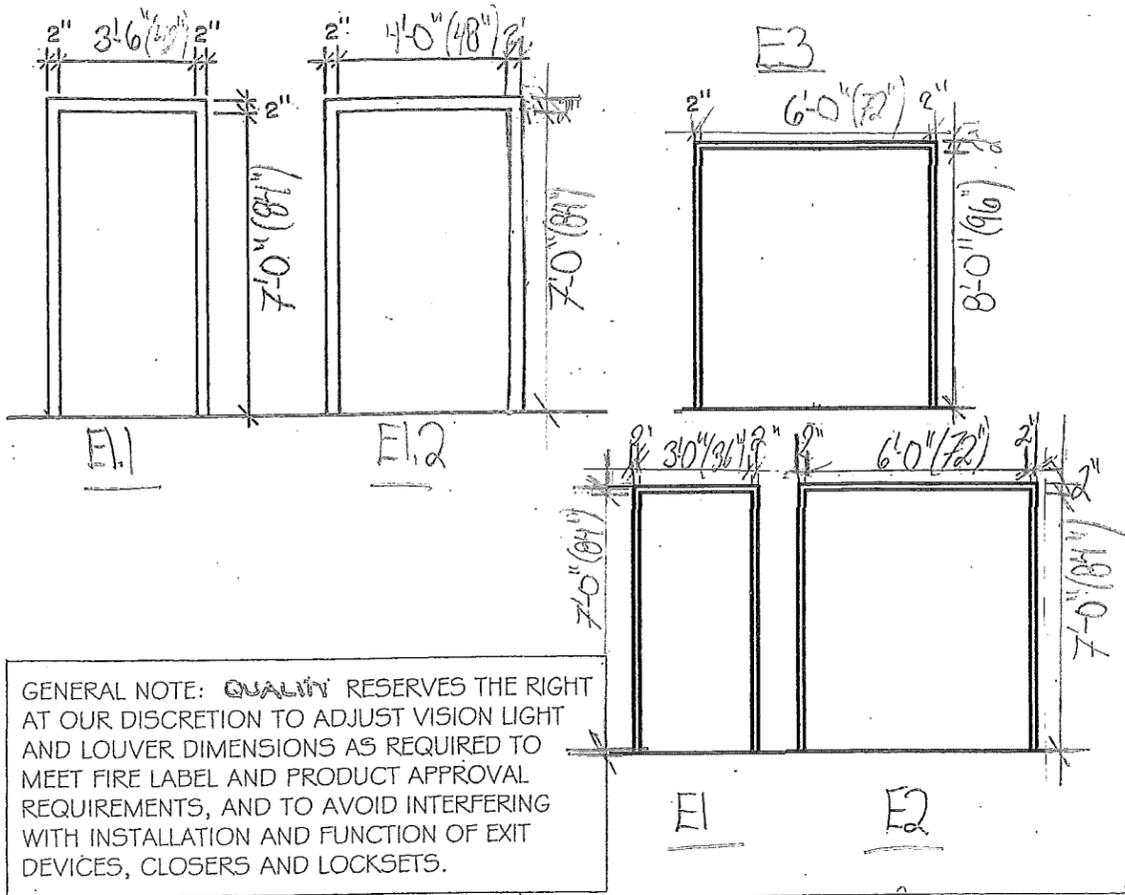
SHEET 16 OF 18
 DATE: 12/5/18

MPANY, INC.

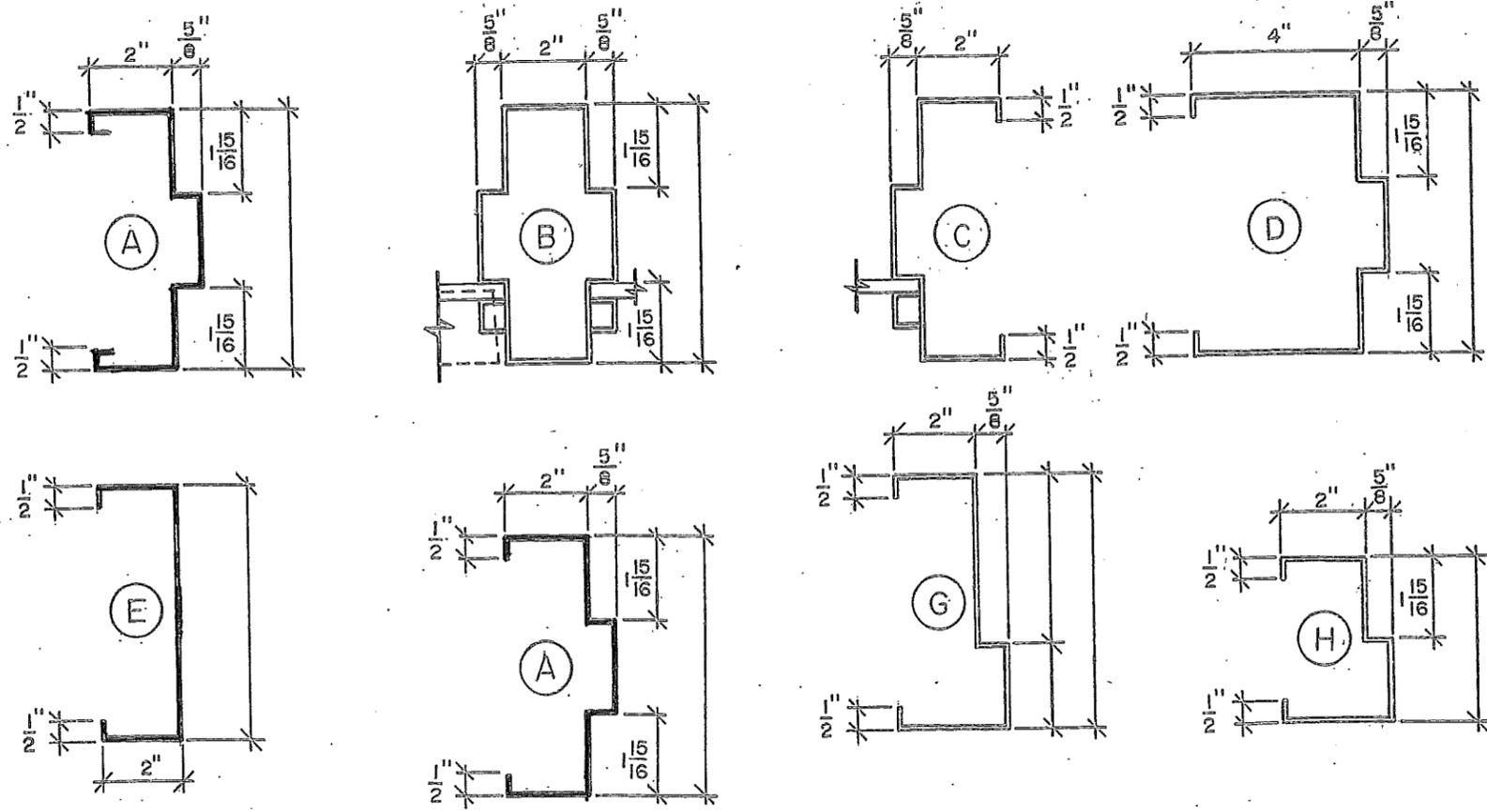
FRAME ANCHORS



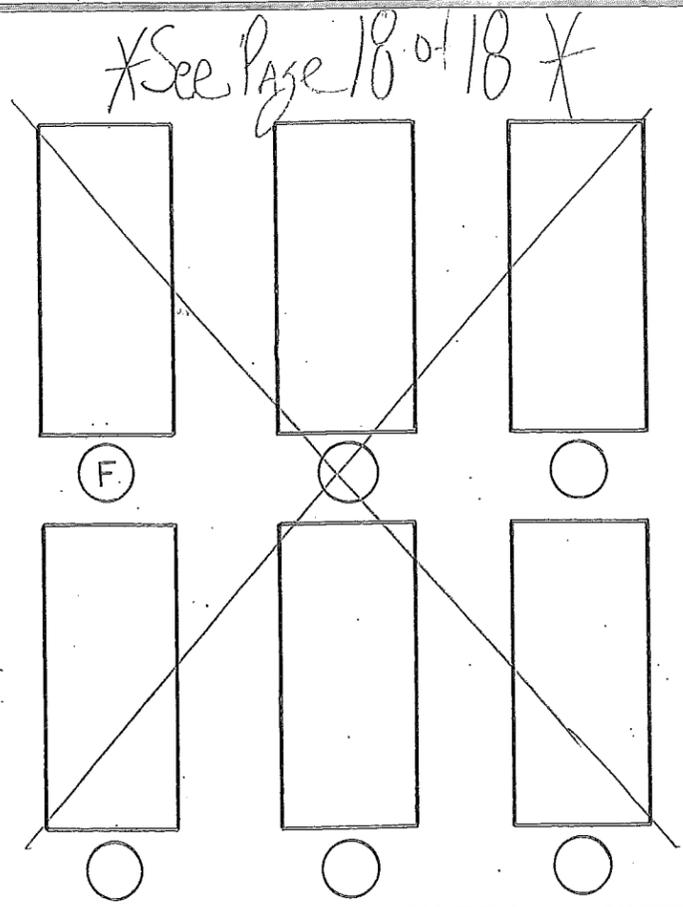
FRAME ELEVATIONS



FRAME PROFILES



DOOR ELEVATIONS



QUALITY ENGINEERED PRODUCTS COMPANY, INC.

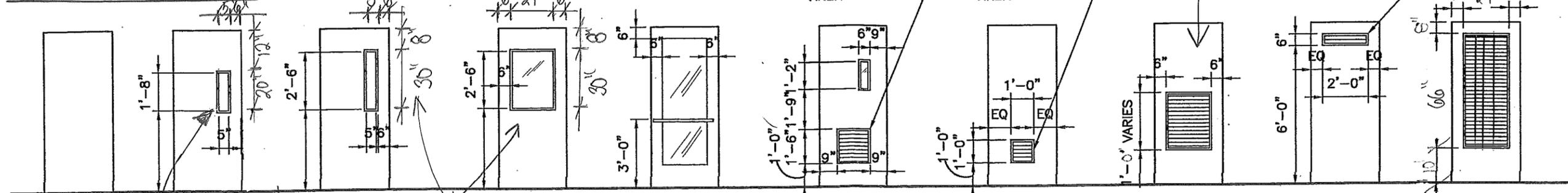
JOB: Miami, Palmetto SLS
 LOCATION: Arcadia, FL
 CUSTOMER: Atlantic Construction

SHEET 17 OF 18
 DATE: 12/5/18

** Verify "All" Elevations Before Returning to QEP **

** 24" x 24" MAX Size to establish and/or Carry Any Fire Rating **

DOOR TYPES

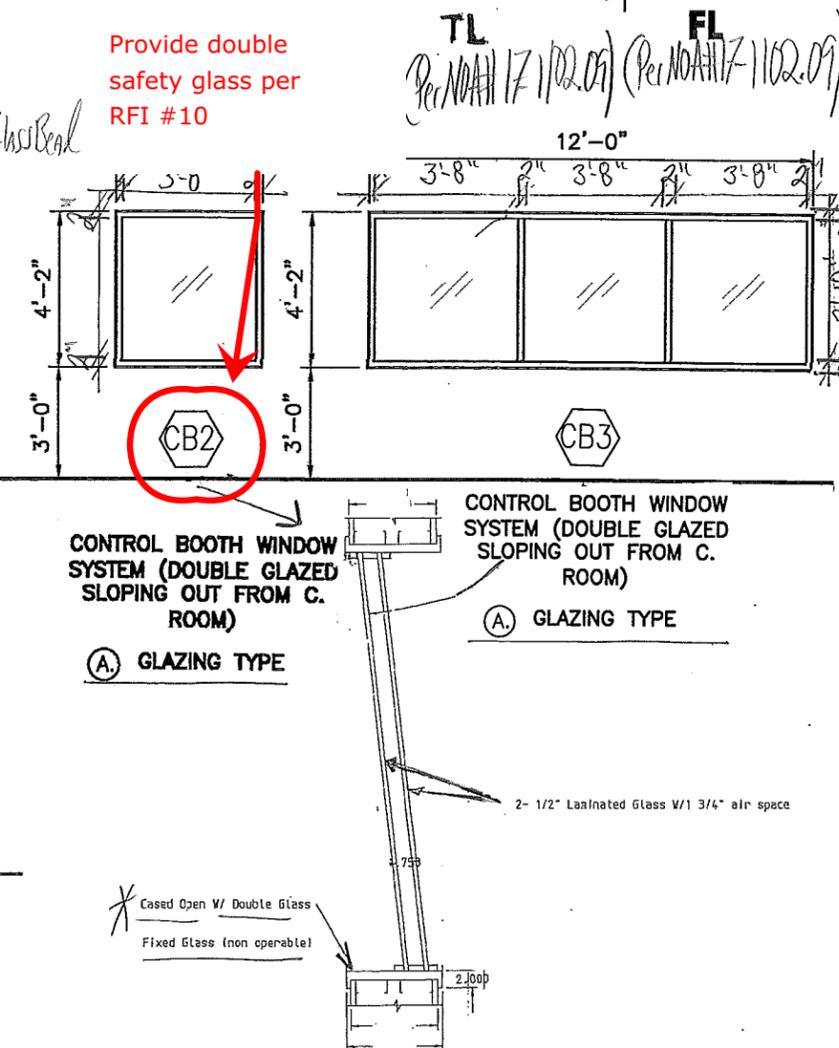
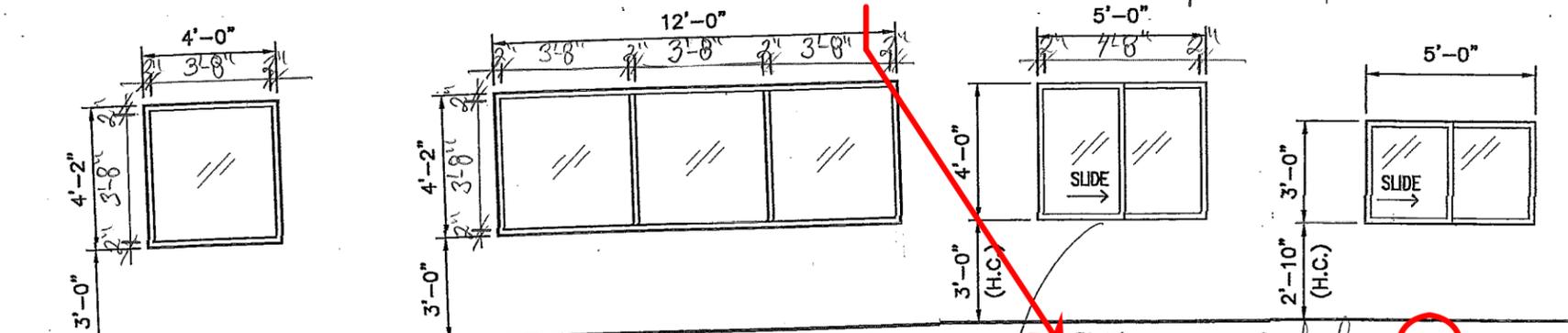


EXTERIOR & INTERIOR

Provide T4 at location tag 'Q4' Office 7126A

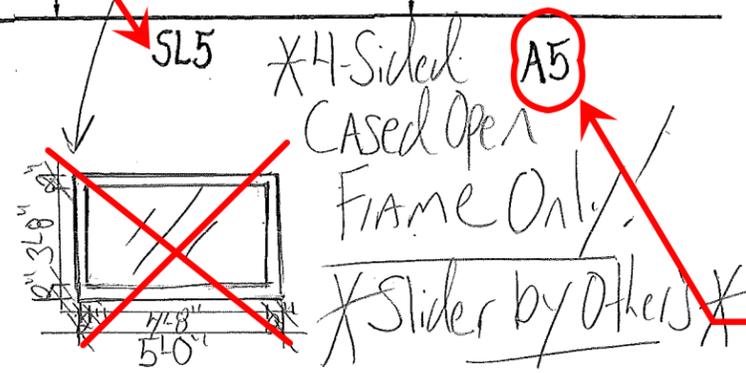
WINDOW TYPES

Arch. tag 'SL1' (shop drawing elevation SL5), submit shop drawings for interior sliding window



Provide insect screens for exterior door louvers. Mount screen on interior of exterior doors with zinc plated sheet metal screws at 12" o.c.

No floor plan provided indicating location of HM windows. GC to verify quantity and location per contract documents.



Concession 7101 & Serving Bay 7116, arch. tag 'A4' - Provide complete fabricated unit with integral serving sill, refer to detail 7/A861

QUALITY ENGINEERED PRODUCTS COMPANY, INC.
MIAMI METRO SHS
INGREST, FL
TRAVEL CONSTRUCTION

JOB: MIAMI METRO SHS
 LOCATION: INGREST, FL
 CUSTOMER: TRAVEL CONSTRUCTION

SHEET 18 OF 18
 DATE: 12/5/18



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Quality Engineered Products Co., Inc.
 4506 Quality Lane
 Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series"16GACOSD-1" Outswing 16 ga Flush Commercial Steel Doors w/wo Panic Exit Device-Impact

APPROVAL DOCUMENT: Drawing No. 16GACOSD-1, titled "16 GA Commercial Outswing Steel Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 05/25/04 and last revised on 04-30-19, signed and sealed by Cody Davis, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See Design Pressure Ratings VS lock types Vs configurations in sheets 1, 5 and 10.
2. Double Door w/HCF 9300 Rim with 1300 removable mullion (sheet 5) is rated at +80/-65 PSF.
3. Doors are 16 ga (min .063" thk) with min CS Tensile yield strength $F_y = 46.3$ ksi and Tensile ultimate strength $F_u = 52.1$ Ksi and SS Tensile yield strength $F_y = 50.5$ ksi and Tensile ultimate strength $F_u = 98.5$ Ks
4. EPS Polystyrene by Dyplast (former Apache Products), having current NOA.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews **NOA # 17-1102.02** and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



9/9/19

NOA No. 19-0507.03
 Expiration Date: January 30, 2024
 Approval Date: May 16, 2019
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files below)
2. Drawing No. 16GACOSD-1, titled "16 GA Commercial Outswing Steel Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 02/26/16, with Revision 4 dated 02/26/16, signed and sealed by Cody Davis, P. E.

B. TESTS (Submitted under file # 07-1017.09/04-0220.02)

1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 3) Water Resistance Test per FBC, TAS 202-94.
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings & installation diagram of Commercial Steel Doors w /Panic devices, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1276W**, dated Nov. 11, 2004, signed and sealed by Ramesh Patel, P. E. (Note: This test report has been revised under Test Report No. **CTLA 1276WR**, re-issued on Feb 01, 2005 by Certified Testing Laboratories, signed and sealed by Ramesh Patel, P. E.)

Note: Additional addendum letter dated OCT 10th 2015 by Certified Testing Lab, issued to test report CTLA 1276W-R, signed by Ramesh Patel, P.E.

2. Test reports (Transferred from file # **04-0220.02**)
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 3) Water Resistance Test per FBC, TAS 202-94.
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of Steel Commercial Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 114W**, dated December 09, 2003, signed and sealed by Ramesh Patel, P. E.

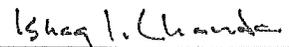
(Note: This test report has been revised by addendum letter dated May 26, 2004 & June 30, 2005, issued by Certified Testing Laboratories Inc.).

Along with marked-up drawings and installation diagram of Steel Commercial Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 403W**, dated 07/25/00, signed and sealed by Ramesh Patel, P. E.

3. Additional test report **HTL-0050-1012-97** tested per FBC, TAS 202-94, issued by Hurricane testing laboratories, Inc. dated 10-16-98, signed and sealed by Timothy S. Marshall, P. E. (Transferred from file # 04-0220.02)

C. CALCULATIONS

1. Anchor verification calculations, dated 10/20/15 and revised on 05/31/16, prepared, signed and sealed Cody Davis, P.E.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0507.03
Expiration Date: January 30, 2024
Approval Date: May 16, 2019

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

- 1 Miami Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS (Submitted under file # 07-1017.09/#04-0823.05)

1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTLA114W)**, tested per ASTM E-A370-97, dated December 02,2003, signed and sealed by Ramesh Patel, P. E.
2. Notice of Acceptance No. **11-0926.07** issued to Dyplastic Products, LLC (former Apache Products Co) for “EPS-Expanded Polystyrene Insulation”, expiring on 01/11/2017.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th Edition) and “no financial interest”, issued, prepared, signed, sealed and dated 05/31/16 by Cody Davis, P. E.
2. Statement letter dated 05/31/16 of successor engineer adopting as his own, another engineer’s work per FAC, Rule Chapter 61G15-27, issued by Master Consulting Engineers, Inc., both signed and sealed by Cody Davis, P. E
3. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER

1. This revises **NOA # 12-0921.12**, expiring January 30, 2018
2. Previous associated files with this NOA(s) are # **07-1017.09, 04-0220.02 & # 02-1011.05.**
3. Test Proposal by Q. E. P. dated September 19, 2002, approved by BCCO.

2. Evidence submitted under file #17-1102.02.

A. DRAWINGS

1. Drawing No. **16GACOSD-1**, titled “16 GA Commercial Outswing Steel Door”, sheets 1 through 10 of 10, prepared by manufacturer, dated 05/25/04 and last revised on 07/08/2016, signed and sealed by Cody Davis, P. E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

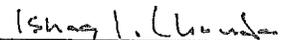
1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1207.05** issued to Dyplastic Products, LLC (former Apache Products Co) for “E& R-Board Expanded Polystyrene rigid Foam Insulation”, expiring on 01/11/2022.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 12/01/17 , prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E.
2. Statement later issued by Quality Engineered Prod., dated 02/02/18, requesting one year renewal, subjected to verification test completion per RER e-mail dated Jan o9, 2019, signed by A. Bernstein, V.P.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 19-0507.03

Expiration Date: January 30, 2024

Approval Date: May 16, 2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA conditionally **renews** for one year # **15-0422.03**, expiring 01/30/19, subjected verification test (glazing/hardware), as laid out per RER e-mail dated JAN 09, 2018.

3. New Evidence submitted

A. DRAWINGS

1. Drawing No. **16GACOSD-1**, titled "16 GA Commercial Outswing Steel Door", sheets 1 through 10 of 10, prepared by manufacturer, dated 05/25/04 and last revised on 04-30-19, signed and sealed by Cody Davis, P. E.

B. TESTS

1. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 2) Water Resistance Test per FBC, TAS 202-94.
 - 3) Large Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of glazed outswing Steel Commercial Steel Doors, prepared by Fenestration Testing Laboratories Inc., Test Report No. **FTLA 1435**, dated April 14, 2019, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

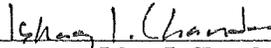
1. Notice of Acceptance No. **17-1207.05** issued to Dyplastic Products, LLC (former Apache Products Co) for "E& R-Board Expanded Polystyrene rigid Foam Insulation", expiring on 01/11/2022.

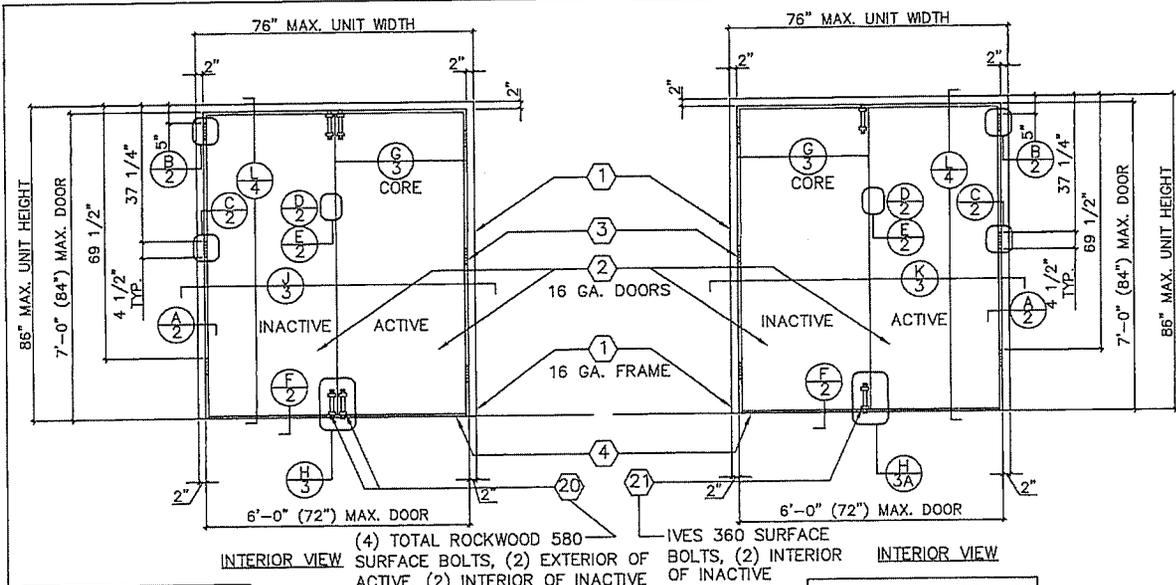
F. STATEMENTS (Submitted under file #17-1102.02)

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 12/01/17, prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E.

G. OTHER

1. This NOA **revises & renews** NOA # **17-1102.02**, expiring 01/30/24.
2. RER e-mail test proposal dated Jan 09, 2018.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0507.03
Expiration Date: January 30, 2024
Approval Date: May 16, 2019



COMPLIANCE OF THESE UNITS TO FBC EGRESS/ESCAPE REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL ON A CASE BY CASE BASIS

(4) TOTAL ROCKWOOD 580 IVES 360 SURFACE INTERIOR VIEW SURFACE BOLTS, (2) EXTERIOR OF BOLTS, (2) INTERIOR OF INACTIVE OF INACTIVE INTERIOR VIEW

LOCK TESTED: ITEM #9

PDQ MORTISE LOCK MODEL MR117

DESIGN PRESSURE RATING (OUTSWING DOUBLE DOORS) w/(4) ROCKWOOD SURFACE BOLTS

WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED OR PROTECTED BY OVERHANG*
--	--

POSITIVE	NOT APPROVED WITHOUT OVERHANG *	+90 PSF
----------	---------------------------------	---------

NEGATIVE	NOT APPROVED WITHOUT OVERHANG *	-90 PSF
----------	---------------------------------	---------

* UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT IS GREATER THAN 1

LOCK TESTED: ITEM #22

SCHLAGE MORTISE LOCK MODEL L9453P

SARGENT MORTISE LOCK MODEL 8225NL

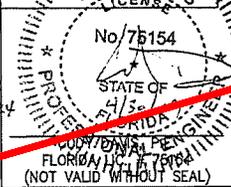
DESIGN PRESSURE RATING (OUTSWING DOUBLE DOORS) w/(2) IVES SURFACE BOLTS (INACTIVE DOOR LEAF)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED OR PROTECTED BY OVERHANG*
--	--	--

POSITIVE	NOT APPROVED WITHOUT OVERHANG *	+70 PSF
----------	---------------------------------	---------

NEGATIVE	NOT APPROVED WITHOUT OVERHANG *	-70 PSF
----------	---------------------------------	---------

* UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THAT OVERHANG RATIO (OH) = OH LENGTH/OH HEIGHT IS GREATER THAN 1

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 19-050703 Expiration Date JAN 30 2024
 E. Chugh, Chugh & Chugh Inc. Back-Product Control



DRAWING NUMBER 16GACOSD-1

16 GA. COMMERCIAL OUTSWING STEEL DOOR

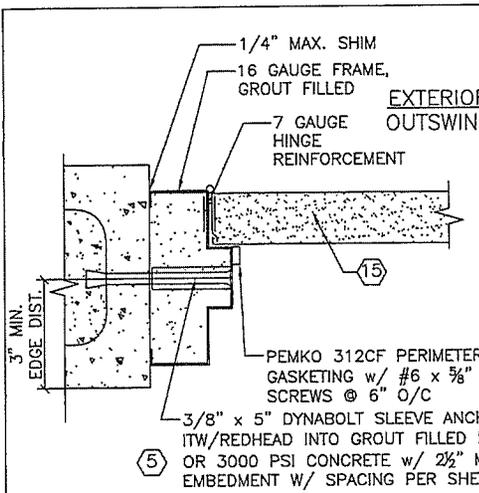
REVISIONS
 1 05-25-04
 2 07-06-04
 3 01-26-06
 4 02-28-16

HURRICANE TEST APPROVAL
 SERIES 16GACOSD
 16 GAUGE COMMERCIAL
 OUTSWING STEEL DOORS

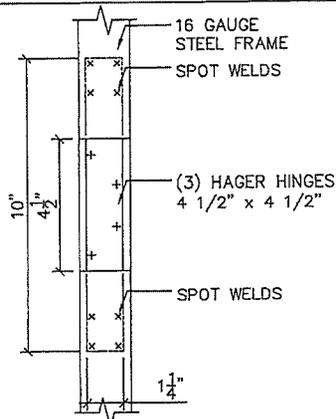
SHEET 1 OF 10
 DATE 04-26-19

4506 QUALITY LANE
 TAMPA, FLORIDA 33634
 (813) 855-1693

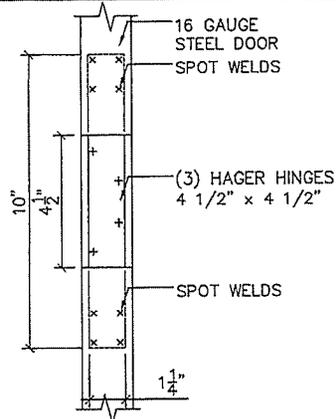
Quality Engineered Products Co., Inc.



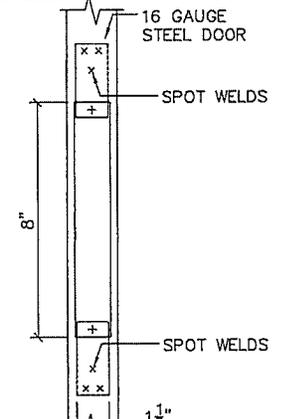
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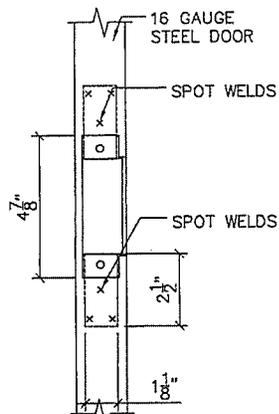
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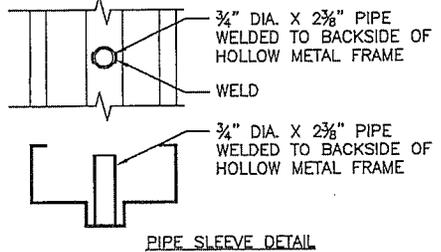
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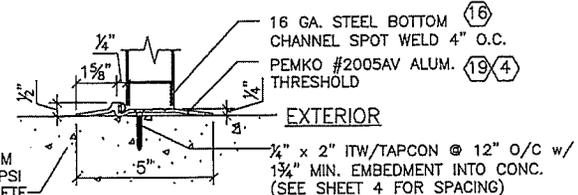
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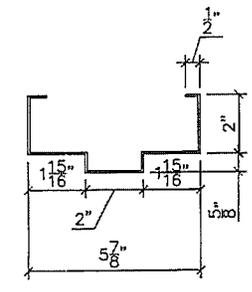
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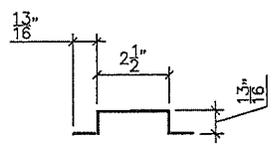
PIPE SLEEVE DETAIL



THRESHOLD INSTALLATION

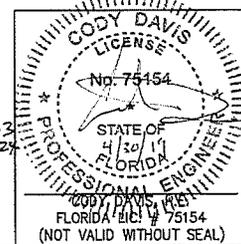


16 GAUGE FRAME PROFILE

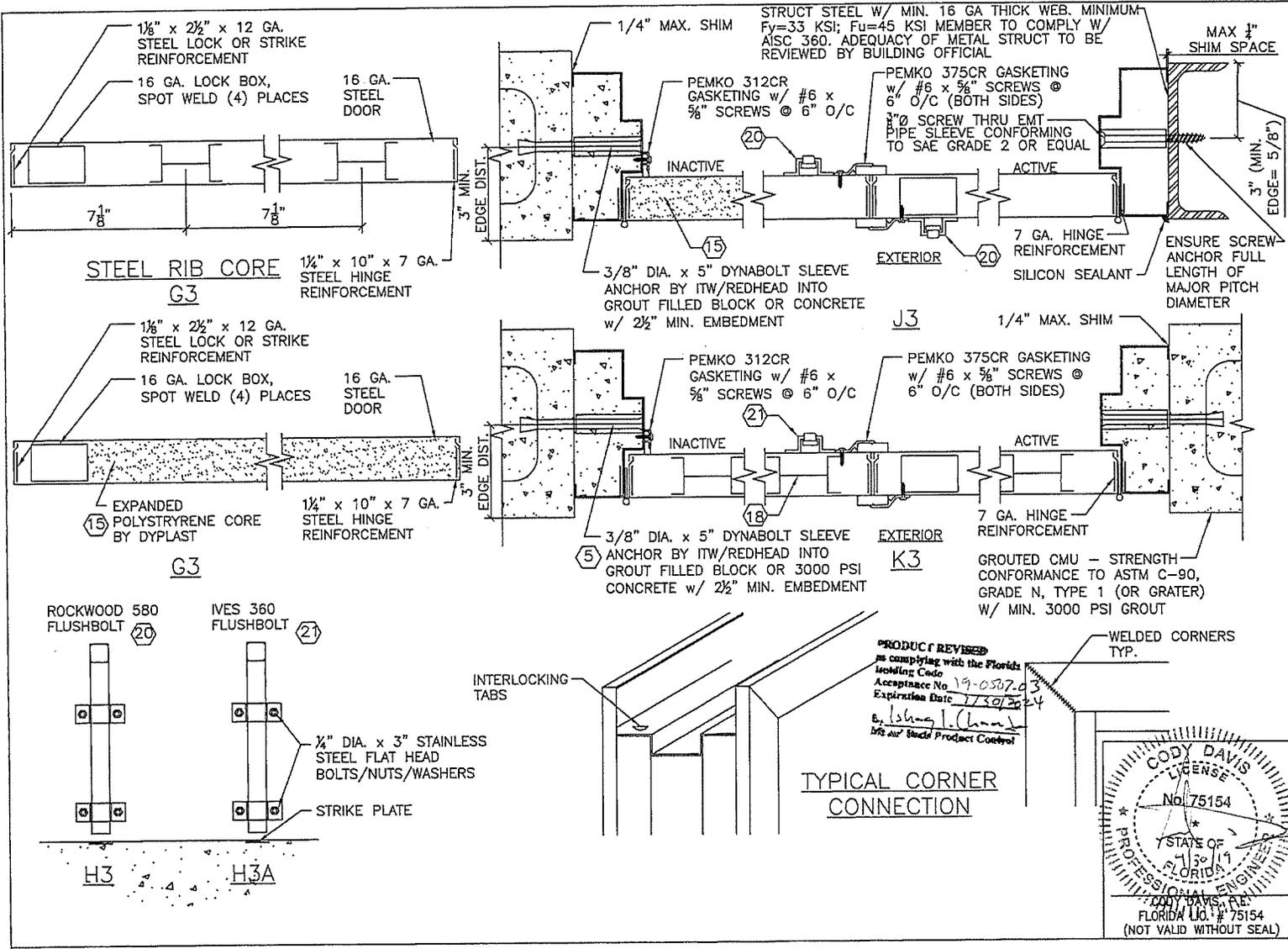


20 GA. STEEL HAT STIFFENER
SPOT WELD 6\"/>

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 19-0507-03
 Expiration Date 1/30/2024
 Cody Davis, P.E.
 Florida Product Control

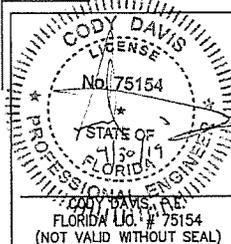


DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	<p>4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 885-1683</p> <p><i>Quality Engineered Products Co., Inc.</i></p>
	HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS	REVISIONS - 3-01-26-06 4 02-26-16
SHEET 2 OF 10	DATE: 04-26-19	

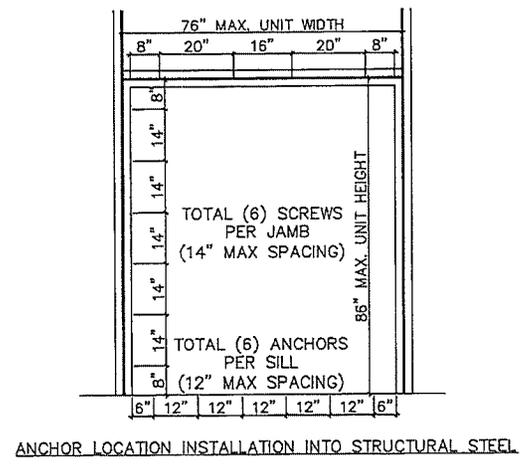
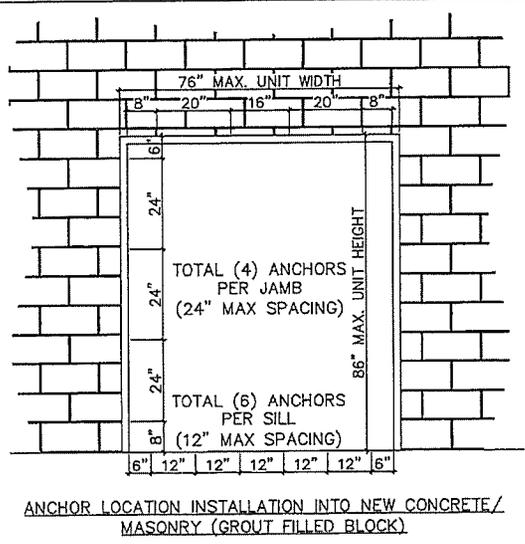
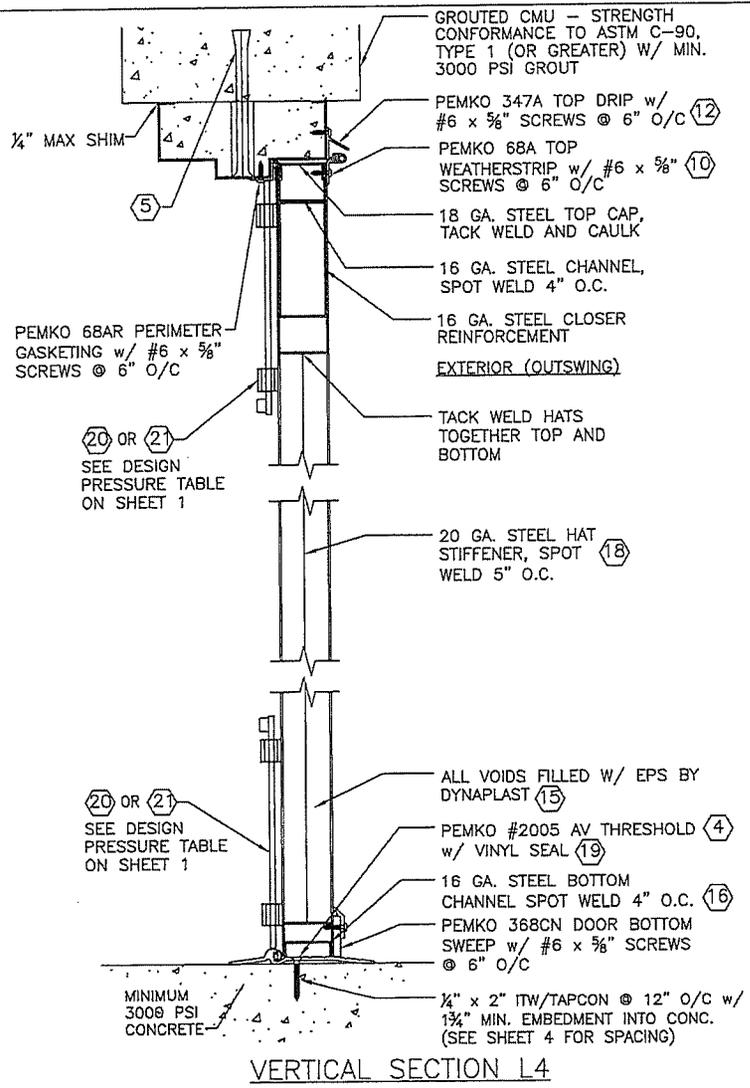


STRUCT STEEL W/ MIN. 16 GA THICK WEB. MINIMUM
 Fy=33 KSI; Fu=45 KSI MEMBER TO COMPLY W/
 AISC 360. ADEQUACY OF METAL STRUCT TO BE
 REVIEWED BY BUILDING OFFICIAL

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 19-0507-03
 Expiration Date 11/30/2024
 by Ishing I. Chant
 Info and Check Product Control

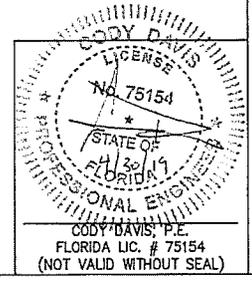


DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 885-1693
	REVISIONS	<i>Quality Engineered Products Co., Inc.</i>
HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS	1 1 3 01-26-06 4 02-26-16	
SHEET 3 OF 10		
DATE 04-26-19		

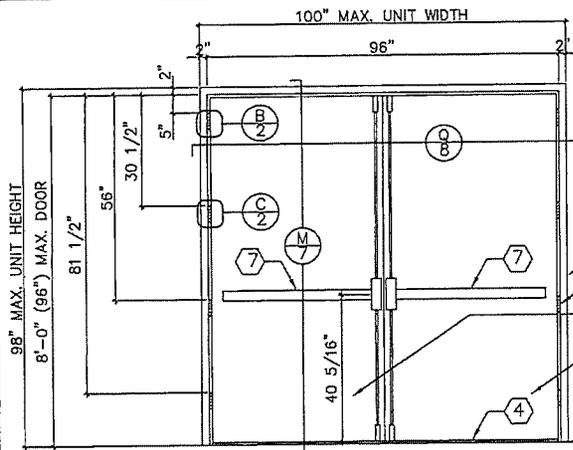


PRODUCT REVISED as complying with the Florida Building Code Acceptance No. Expiration Date

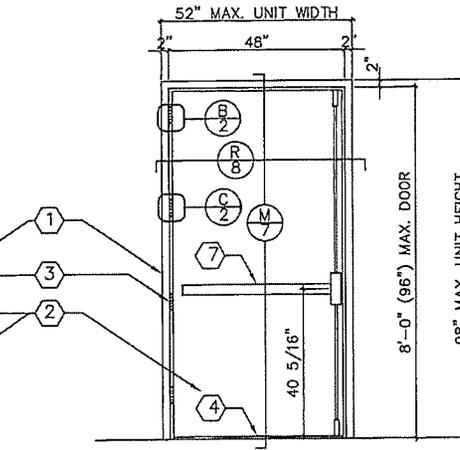
By: [Signature] Master Product Control



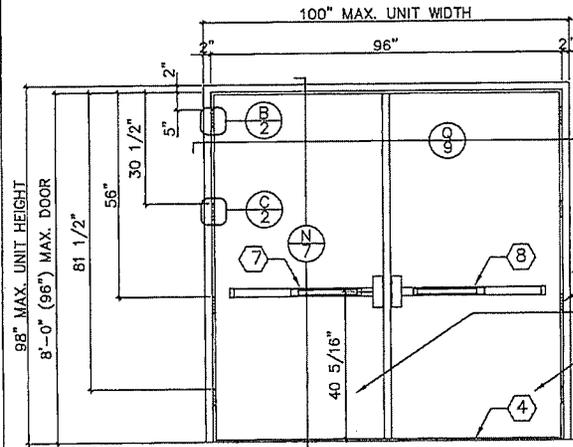
DRAWING NUMBER 16GACOSD-1	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 855-1693
	REVISIONS	<i>Quality Engineered Products Co., Inc.</i>
HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS	1 1 3 01-26-06 4 02-26-16	
SHEET 4 OF 10		
DATE 04-26-19		



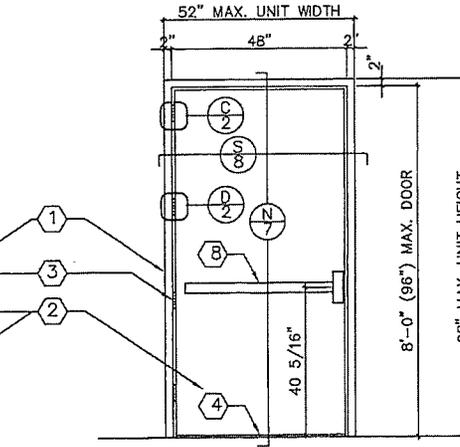
DOUBLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9400 VERTICAL ROD PANIC DEVICE



SINGLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9400 VERTICAL ROD PANIC DEVICE



DOUBLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9300 RIM EXIT DEVICE & 1300
REMOVABLE MULLION w/ 416 STRIKE PLATE



SINGLE OUTSWING DOOR (INTERIOR VIEW)
w/ DORMA'S HCF 9300 RIM EXIT DEVICE
w/ 416 STRIKE PLATE

FOR SINGLE DOOR WITH DORMA S300 DEVICE
DESIGN PRESSURE RATING

	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+80 PSF
NEGATIVE	-80 PSF	-80 PSF

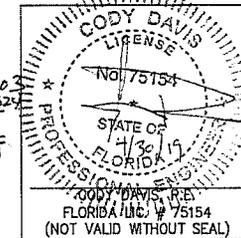
FOR DORMA VERTICAL ROD DEVICES
DESIGN PRESSURE RATING

	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+80 PSF
NEGATIVE	-80 PSF	-80 PSF

FOR DORMA RIM DEVICES WITH HC1300 MULLION
DESIGN PRESSURE RATING

	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+80 PSF
NEGATIVE	-65 PSF	-65 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 19-0507-03
Expiration Date 1/30/2025
By: *Ismael L. Hernandez*
Ismael L. Hernandez Product Control



DRAWING NUMBER 16GACOSD-1

HURRICANE TEST APPROVAL
SERIES 16GACOSD
16 GAUGE COMMERCIAL
OUTSWING STEEL DOORS

SHEET 5 OF 10

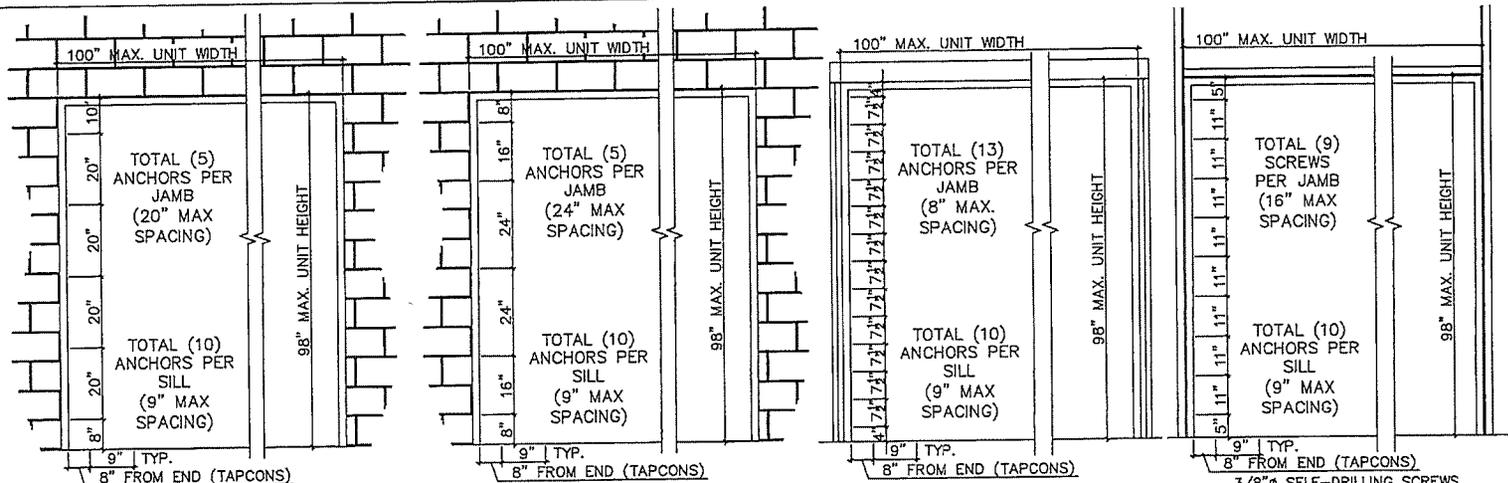
DATE 04-26-19

16 GA. COMMERCIAL OUTSWING STEEL DOOR

4586 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 865-1693

Quality Engineered Products Co., Inc.

REVISIONS
1 1
3 01-26-06
4 02-26-16
5 04-26-19

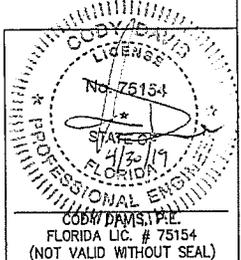


$\frac{3}{8}$ " Ø DYNABOLT SLEEVE ANCHOR ANCHOR LOCATION INSTALLATION INTO NEW CONCRETE/MASONRY (GROUT FILLED BLOCK)
 16 GA. T-ANCHOR ANCHOR LOCATION INSTALLATION INTO NEW MASONRY (GROUT FILLED BLOCK)
 3/8" LAG SCREWS ANCHOR LOCATION INSTALLATION INTO WOOD STRUCTURE
 3/8" Ø SELF-DRILLING SCREWS THRU EMT PIPE ANCHOR LOCATION INSTALLATION INTO STRUCTURAL STEEL

ITEM #	QUANTITY	BILL OF MATERIALS
1	1	16 GA. (.063") MIN. (14 GA. MAX.) STEEL HOLLOW METAL FRAME FyMIN= 46.3 KSI; FuMIN= 52.1 KSI (OR S.S. MEETING FyMIN= 50.5 KSI; FuMIN= 98.5 KSI)
2	2	16 GA. (.063") MIN. (14 GA. MAX.) GLAZED STEEL STORE FyMIN= 46.3 KSI; FuMIN= 52.1 KSI (OR S.S. MEETING FyMIN= 50.5 KSI; FuMIN= 98.5 KSI)
3	8	HAGAR HINGES BB1279 4 1/2" x 4 1/2" x 0.134" THICK
4	1	PEMCO 2005AV THRESHOLD
5	15	3/8" Ø DYNABOLT ITW/REDHEAD SLEEVE ANCHOR (3/8" BOLT) X 5" SLEEVE ANCHOR w/ 3/8" Ø EMT WELDED PIPE SLEEVE w/ 2-1/2" MIN. EMBEDMENT & 3" MIN. EDGE DISTANCE INTO 3 KSI CONCRETE OR GROUT FILLED BLOCK
6	20	1/2" x 6" WOOD LAG SCREWS w/ 3/4" EMT PIPE SLEEVE
7	2	DORMA EXIT DEVICE HCF9400 VERTICAL ROD EXIT DEVICE w/ STRIKEPLATES TOP AND BOTTOM
8	2	DORMA EXIT DEVICE HCF9300 RIM EXIT DEVICE w/ STRIKE PLATES (416)
9	1	PDQ MORTISE LOCK MR117
10	1	PEMCO 68A DOOR TOP WEATHERSTRIP w/ #6 x 5/8" SCREWS
11	AS REQ.	NATIONAL GAURD #130SA WEATHERSTRIP w/ #6 x 5/8" SCREWS
12	1	PEMCO 347A TOP DRIP
13	8	7 GA. STEEL DOOR HINGE REINFORCEMENT

ITEM #	QUANTITY	BILL OF MATERIALS
14	8	7 GA. STEEL FRAME HINGE REINFORCEMENT
15	AS REQ.	EXPANDED POLYSTYRENE (EPS) BY DYPLAST w/ CURRENT NOA PRODUCTS OR 20 GA. STEEL RIB OR HONEYCOMB
16	4	16 GA. STEEL TOP AND BOTTOM "U" CHANNEL
17	2	12 GA. STEEL 1.5" x 4.5" x FULL LENGTH LOCK REINFORCEMENT
18	AS REQ.	20 GA. STEEL HAT STIFFENERS
19	1	VINYL GASKETING (THRESHOLD)
20	1	ROCKWOOD 580 SURFACE BOLTS
21	1	IVES 360 SURFACE BOLTS
22	1	SCHLAGE MORTISE LOCK MODEL L9453P, SARGENT MORTISE LOCK MODEL 8225NL (70 PSF ONLY)
23	1	DORMA HC1300 REMOVABLE MULLION (DOUBLE DOORS)

PRODUCT REVIEWED
 in compliance with the Florida
 Building Code
 Acceptance No. 19-052203
 Expiration Date: 1/30/2024
 E. Thomas L. ...
 Hisse's Build Product Control

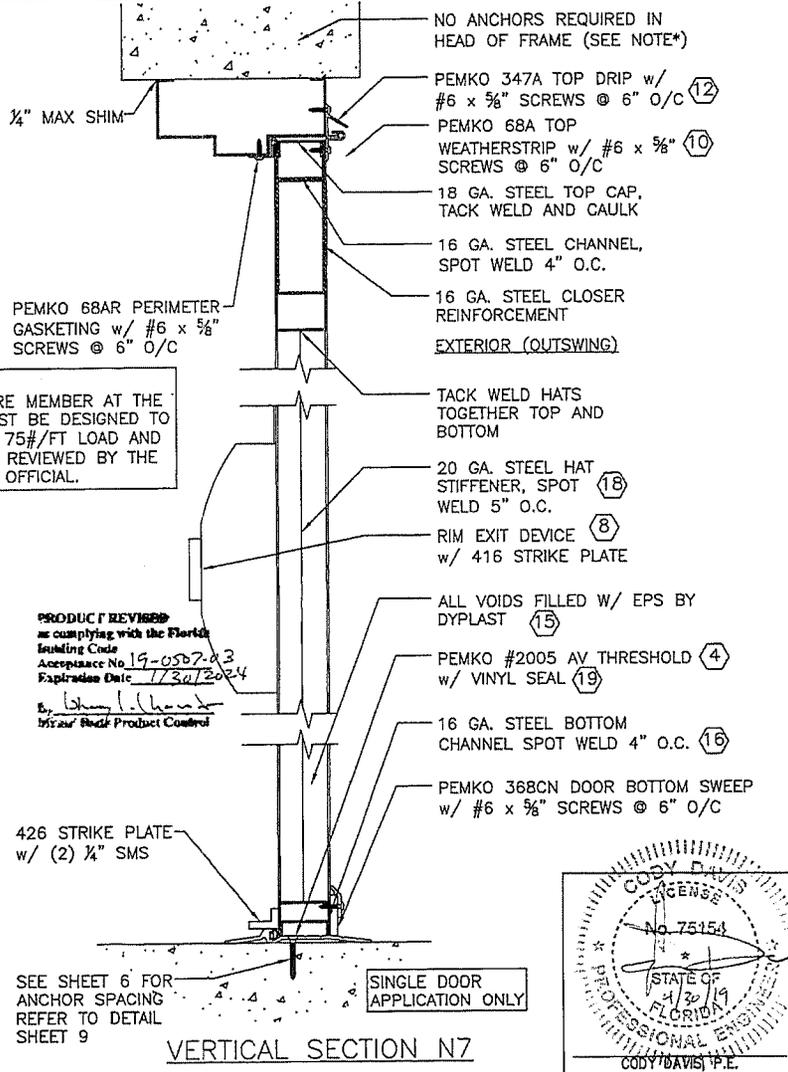
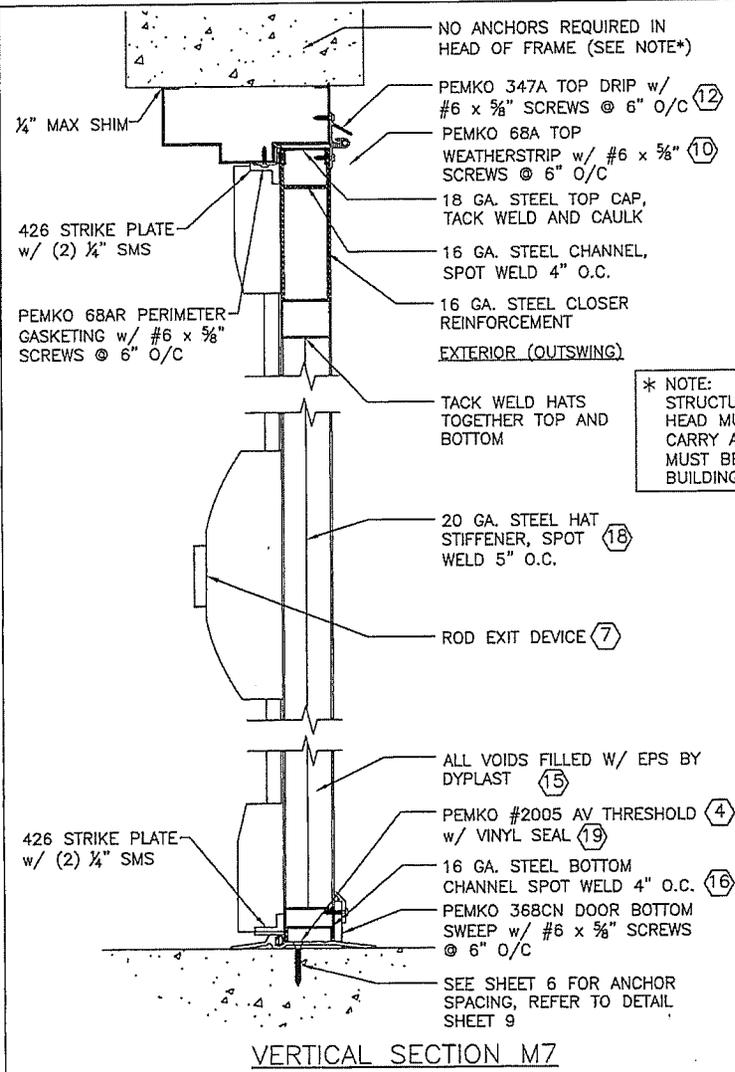


16 GA. COMMERCIAL OUTSWING STEEL DOOR
 4506 QUALITY LANE
 TAMPA, FLORIDA 33634
 (813) 885-1693
Quality Engineered Products Co., Inc.

REVISIONS
 1 1 1
 3 01-26-06
 4 02-26-16

DRAWING NUMBER 16GACOSD-1
 HURRICANE TEST APPROVAL
 SERIES 16GACOSD
 16 GAUGE COMMERCIAL
 OUTSWING STEEL DOORS

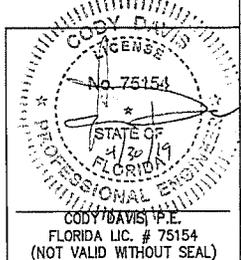
SHEET 6 OF 10
 DATE 04-26-19



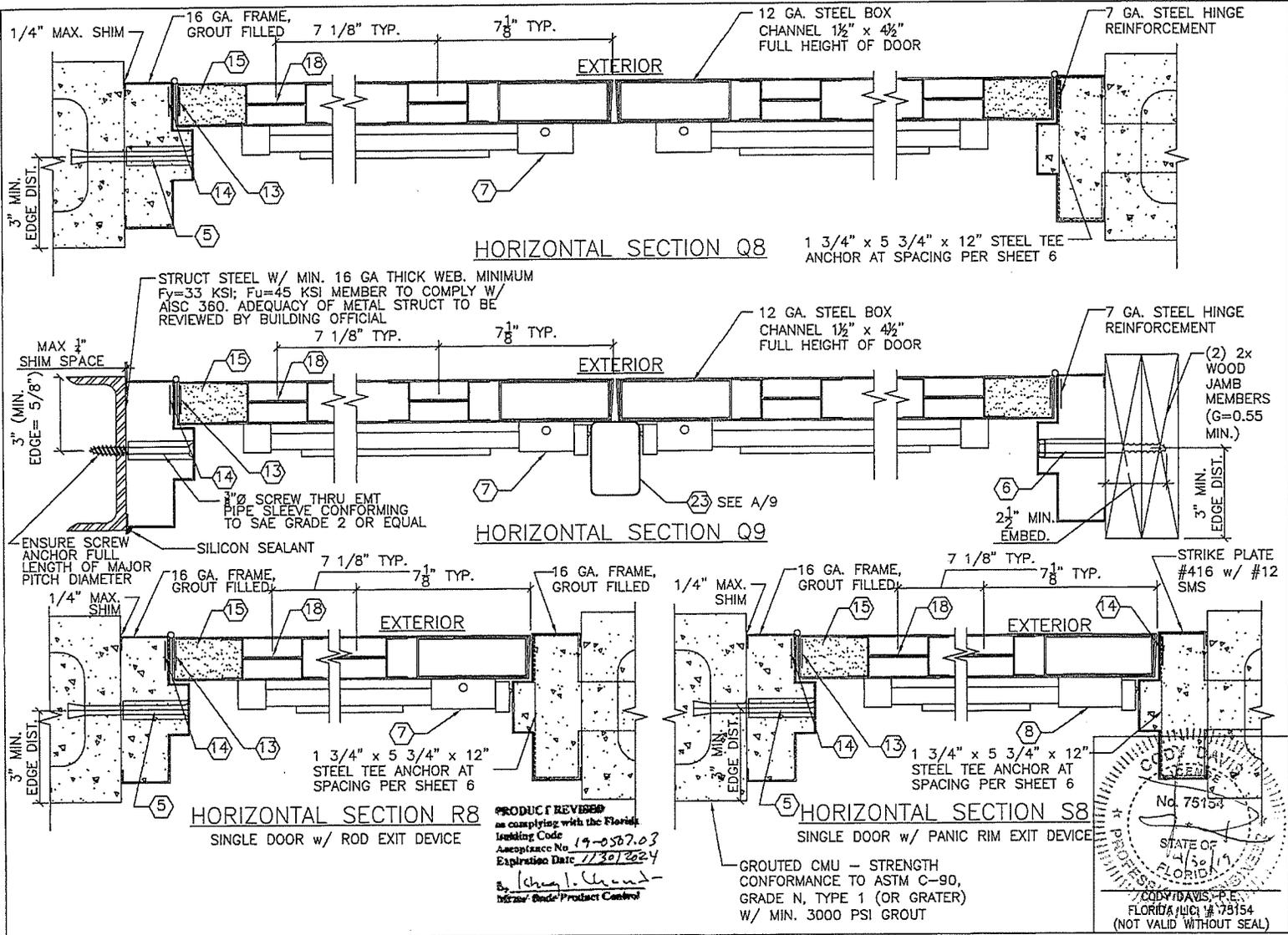
* NOTE: STRUCTURE MEMBER AT THE HEAD MUST BE DESIGNED TO CARRY A 75#/FT LOAD AND MUST BE REVIEWED BY THE BUILDING OFFICIAL.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 19-0507-03 Expiration Date 11/30/2024
by: [Signature] Senior Staff Product Control

SINGLE DOOR APPLICATION ONLY



DRAWING NUMBER	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 865-1693	Quality Engineered Products Co., Inc.
	16GACOSD-1		
REVISIONS	1 1	3 01-26-06 4 02-26-16	HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS
	1 1		
SHEET	7 OF 10	DATE 04-26-19	



DRAWING NUMBER 16GACOSD-1

16 GA. COMMERCIAL OUTSWING STEEL DOOR

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 855-1693

*Quality
Engineered
Products Co., Inc.*

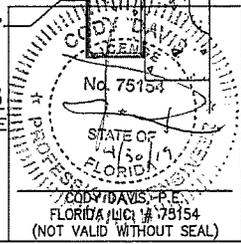
REVISIONS

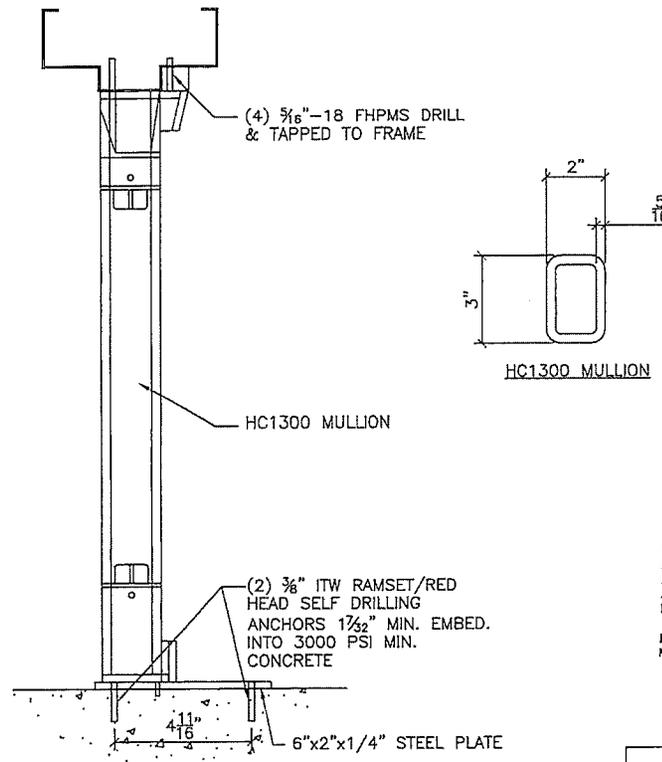
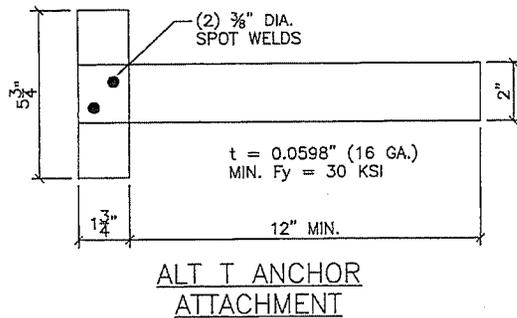
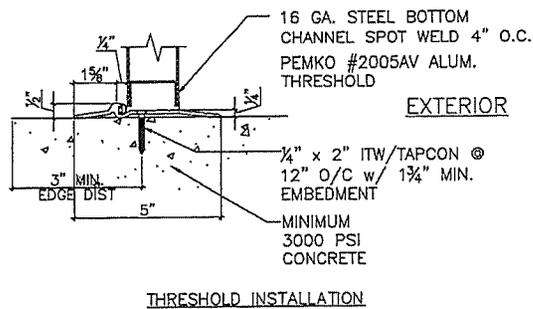
1	3 01-26-06
4	02-26-16

HURRICANE TEST APPROVAL
SERIES 16GACOSD
16 GAUGE COMMERCIAL
OUTSWING STEEL DOORS

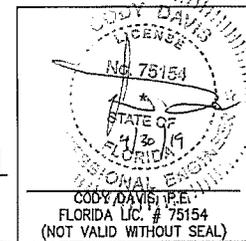
SHEET 8 OF 10
DATE 04-26-19

PRODUCT REVISED
as complying with the Florida
Building Code
Amplification No. 19-0587.03
Expiration Date 11/30/2024
By: *(Signature)*
Title: Code Product Control



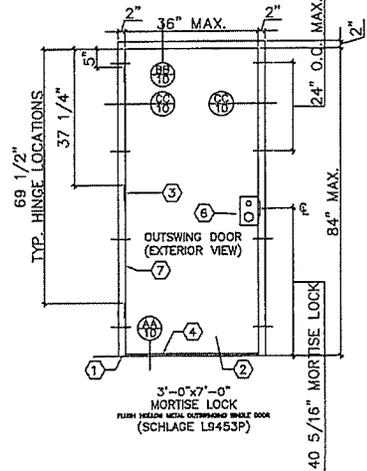
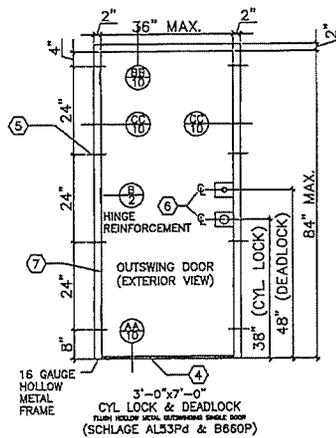


PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 19-0507-03
 Expiration Date 1/30/2024
 E. Ishay, I. Shank
 M. M. P. Product Control

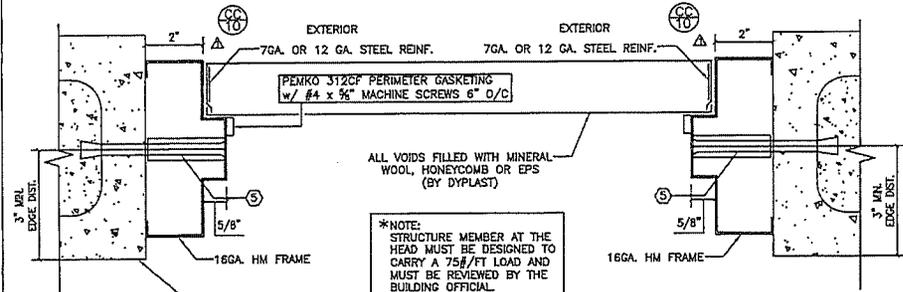
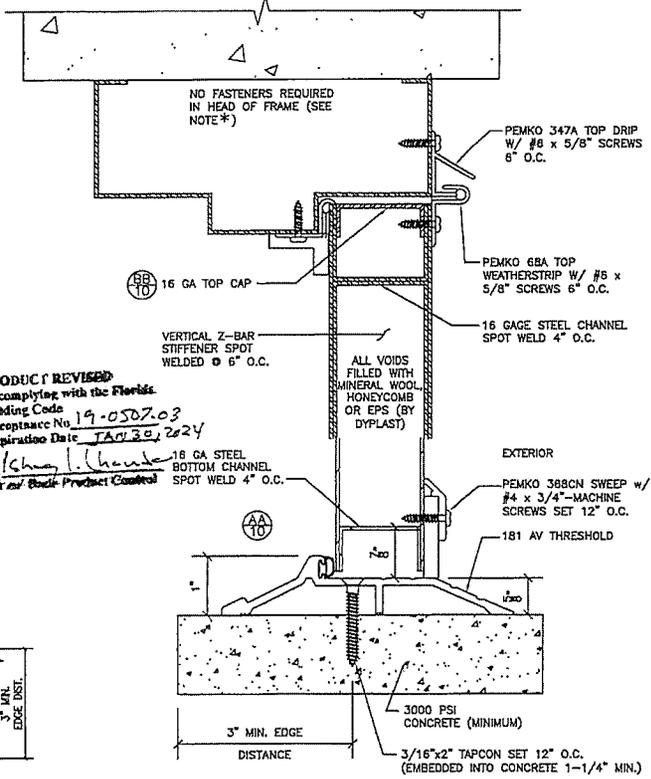


DORMA HC-1300 REMOVABLE MULLION

DRAWING NUMBER	16 GA. COMMERCIAL OUTSWING STEEL DOOR	4506 QUALITY LANE TAMPA, FLORIDA 33634 (813) 865-1693
	16 GA. COMMERCIAL OUTSWING STEEL DOOR	Quality Engineered Products Co., Inc.
REVISIONS	1	01-26-06
	4	02-26-16
DRAWING NUMBER	16GACOSD-1	HURRICANE TEST APPROVAL SERIES 16GACOSD 16 GAUGE COMMERCIAL OUTSWING STEEL DOORS
	SHEET	9 OF 10
DATE	04-26-19	



PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 19-050203
 Expiration Date 7/03/2024
 by: *Cheng Loh*
 for and under Product Control

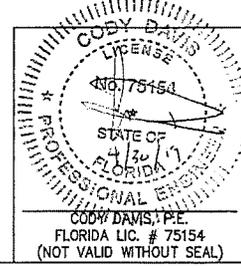


*NOTE:
 STRUCTURE MEMBER AT THE HEAD MUST BE DESIGNED TO CARRY A 75#/FT LOAD AND MUST BE REVIEWED BY THE BUILDING OFFICIAL

GROUTED CMU - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GRATER) w/ MIN. 3000 PSI GROUT

DESIGN PRESSURE RATING - OUTSWING SINGLE DOOR (7'-0" MAX.)		
	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT NOT IS NEEDED
POSITIVE	+90 PSF	+90 PSF
NEGATIVE	-90 PSF	-90 PSF

ITEM #	QUANTITY	BILL OF MATERIALS
1	1	16 GA. (.053") MIN. (14 GA. MAX.) STEEL HOLLOW METAL FRAME F _{MIN} = 46.3 KSI; F _U MIN= 52.1 KSI (OR S.S. MEETING F _{MIN} = 50.5 KSI; F _U MIN= 98.5 KSI)
2	1	16 GA. (.053") MIN. (14 GA. MAX.) STEEL FLUSH DOOR F _{MIN} = 46.3 KSI; F _U MIN= 52.1 KSI (OR S.S. MEETING F _{MIN} = 50.5 KSI; F _U MIN= 98.5 KSI)
3	3	HAGER HINGES BB1279 4 1/2" X 4 1/2" .134" THICK
4	1	PEMCO THRESHOLD 181AV OR 2005AV
5	8	1/2" DYNABOLT ITW/REDHEAD SLEEVE ANCHOR (1/2" BOLT) X 5" SLEEVE ANCHOR w/ 3/8" EMT WELDED PIPE SLEEVE w/ 2-1/2" MIN. EMBEDMENT & 3" MIN. EDGE DISTANCE INTO 3 KSI CONCRETE OR GROUT FILLED BLOCK
6	1	SCHLAGE LOCKSET AL53Pd w/ DEADLOCK B660 OR SCHLAGE MORTISE LOCKSET L9453Pd
7	AS REQ.	PEMKO 312CF PERIMETER GASKETING
8	1	PEMKO 368CN DOOR SWEEP
9	1	#347A X 68A TOP DRIP



DRAWING NUMBER 16GACOSD-1

HURRICANE TEST APPROVAL
 SERIES 16GACOSD
 16 GAUGE COMMERCIAL
 OUTSWING STEEL DOORS

SHEET 10 OF 10

DATE 04-26-19

16 GA. COMMERCIAL OUTSWING STEEL DOOR

REVISIONS
 1
 3
 4

4506 QUALITY LANE
 TAMPA, FLORIDA 33634
 (813) 885-1693

Quality Engineered Products Co., Inc.



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
 NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Quality Engineered Products Co., Inc.
 4506 Quality Lane
 Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "QQ2" 16 ga. Outswing Glazed Commercial Steel Door w/Panic Device & Mortise Lock -LMI

APPROVAL DOCUMENT: Drawing No. **QQ2 REV 4**, titled "16 ga Out swinging Glazed Commercial Steel Door", sheets 1 through 13 of 13, prepared by manufacturer, dated 02/26/16 and last revised on 04/30/19 signed and sealed by Cody Davis, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See Design Pressure ratings (DP) VS lock types in sheet 1 thru 7. Max Single Door=+/- 90 PSF.
2. See anchor VS Door height VS DP in sheet 12.
3. Double Door w/HCF 9300 Rim with HC1300 removable mullion (sheet 7) is rated at +80/-65 PSF.
4. Doors are 16 ga (min .063" thk) with min CS Tensile yield strength Fy= 46.3 ksi and Tensile ultimate strength Fu= 52.1 Ksi and SS Tensile yield strength Fy= 50.5 ksi and Tensile ultimate strength Fu= 98.5 Ksi.
5. EPS Polystyrene by Dyplast (former Apache Products), having current NOA.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews **NOA # 17-1102.03** and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



5/19/19

NOA No. 19-0507.04
 Expiration Date: January 30, 2024
 Approval Date: May 16, 2019
 Page 1

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files below)
2. Drawing No. **QQ2**, titled "16 ga Out swinging Glazed Commercial Steel Door", sheets 1 through 13 of 13, prepared by manufacturer, dated 02/26/16, with Revision 4 dated 02/26/16 signed and sealed by Cody Davis, P. E.

B. TESTS (Submitted under file #12-1115.06/#07-1017.10/04-0823.04)

1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 3) Water Resistance Test per FBC, TAS 202-94.
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings & installation diagram of Commercial Steel Doors w /Panic devices, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1276W**, dated Nov. 11, 2004, signed and sealed by Ramesh Patel, P. E.

(Note: This test report has been revised under Test Report No. **CTLA 1276WR**, re-issued on Feb 01, 2005 by Certified Testing Laboratories, signed and sealed by Ramesh Patel, P. E.)

2. Test reports
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 3) Water Resistance Test per FBC, TAS 202-94.
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of Single Commercial Steel Doors, prepared by Certified Testing Lab Inc., Test Report No. **CTLA 1238W**, dated **08/13/04**, signed and sealed by Ramesh Patel, P. E.

Along with marked-up drawings and installation diagram of Single Commercial Steel Doors, prepared by Certified Testing Lab Inc., Test Report No. **CTLA 1238WR**, dated **08/25/04** and revised on 02/25/05, signed and sealed by Ramesh Patel, P. E

3. Test report on
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of Commercial Steel Doors w/ panic Devices, prepared by Certified Testing Lab Inc., Test Report No. Test Report No. **CTLA 976WA-2R**, dated 07/12/04, and revised on 02/25/05 signed and sealed by Ramesh Patel, P. E.

4. Additional Test reports **HTL-0050-4007-96** and **HTL-0050-0104-96** tested per SFBC PA 201, 202 & 203-94, issued by Hurricane Testing lab, dated 04-17-96 and 01/15/96 both signed and sealed by Timothy S. Marshall, P.E. (submitted under files 00-0726.01/03-0708.02)

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC 2014 (5th Edition), dated 07/11/16, prepared, signed and sealed by Cody Davis, P.E.
2. Glazing complies w/ASTME-1300-02, -04.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0507.04
Expiration Date: January 30, 2024
Approval Date: May 16, 2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS (Submitted under file # 07-1017.10/#04-0823.05)

1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTLA114W)**, tested per ASTM E-A370-97, dated December 02,2003, signed and sealed by Ramesh Patel, P. E.
2. Notice of Acceptance No. **11-0926.07** issued to Dyplastic Products, LLC (former Apache Products Co) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2017.
3. Notice of Acceptance No. **15-1201.11** issued to Eastman chemical Company (Former Solutia, Inc.) for their "Saflex clear & color Interlayer", expiring on 05/21/2021.
4. Notice of Acceptance No. **14-0423.11** issued to Oldcastle Building Envelope, Inc. N.J.(Former Oldcastle, Inc.) for their "StormGlass Glass Interlayer", expiring on 12/11/2018

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2014 (5th edition), issued, prepared, signed, sealed and dated 07/11/16 by Cody Davis, P. E.
2. Statement letter dated 07/29/16 of successor engineer adopting as his own, another engineer's work per FAC, Rule Chapter 61G15-27, issued by Master Consulting Engineers, Inc., both signed and sealed by Cody Davis, P. E.
3. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER

1. This renews NOA # **13-0606.04**, expiring 07/11/18.
2. Previous associated files with this NOA(s) are # **07-1017.10, 04-0823.05 & # 02-1011.05**.
3. Test Proposal by Q. E. P. dated September 19, 2002, approved by BCCO.

2. Evidence submitted under file #17-1102.03.

A. DRAWINGS

1. Drawing No. **QQ2 REV 4**, titled "16 ga Out swinging Glazed Commercial Steel Door", sheets 1 through 13 of 13, prepared by manufacturer, dated 02/26/16 and last revised on 02/26/16, signed and sealed by Cody Davis, P. E.

B. Test

1. None.

C. CALCULATIONS

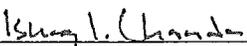
1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1207.05** issued to Dyplastic Products, LLC (former Apache Products Co) for "E& R-Board Expanded Polystyrene rigid Foam Insulation", expiring on 01/11/2022.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 19-0507.04
Expiration Date: January 30, 2024
Approval Date: May 16, 2019

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 12/01/17 , prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E.
2. Statement later issued by Quality Engineered Prod., dated 02/02/18, requesting one year renewal, subjected to verification test completion per RER e-mail dated Jan o9, 2019, signed by A. Bernstein, V.P.

G. OTHER

1. This NOA conditionally **renews** for **one** year # **15-0422.04**, expiring 01/30/19, subjected to verification test (glazing/hardware), as laid out per RER e-mail dated JAN 09, 2018.

3. New Evidence submitted

A. DRAWINGS

1. Drawing No. **QQ2 REV 4**, titled "16 ga Out swinging Glazed Commercial Steel Door", sheets 1 through 13 of 13, prepared by manufacturer, dated 02/26/16 and last revised on 04/30/19 signed and sealed by Cody Davis, P. E.

B. TESTS

1. Test reports on
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202.
 - 2) Water Resistance Test per FBC, TAS 202-94.
 - 3) Large Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of glazed outswing Steel Commercial Steel Doors, prepared by Fenestration Testing Laboratories Inc., Test Report No. **FTLA 1435**, dated April 14, 2019, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

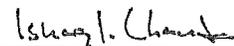
1. Notice of Acceptance No. **17-1207.05** issued to Dyplastic Products, LLC (former Apache Products Co) for "E& R-Board Expanded Polystyrene rigid Foam Insulation", expiring on 01/11/2022.
2. Notice of Acceptance No. **15-1201.11** issued to Eastman chemical Company (Former Solutia, Inc.) for their "Saflex clear & color Interlayer", expiring on 05/21/2021.
3. Notice of Acceptance No. **18-0611.02** issued to Oldcastle Building Envelope, Inc. N.J. (Former Oldcastle, Inc.) for their "StormGlass Glass Interlayer", expiring on 11/11/2025.

F. STATEMENTS (Submitted under file #17-1102.03)

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 12/01/17 , prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E.

G. OTHER

1. This NOA **revises & renews** NOA # **17-1102.03**, expiring 01/30/24.
2. RER e-mail test proposal dated Jan 09, 2018.



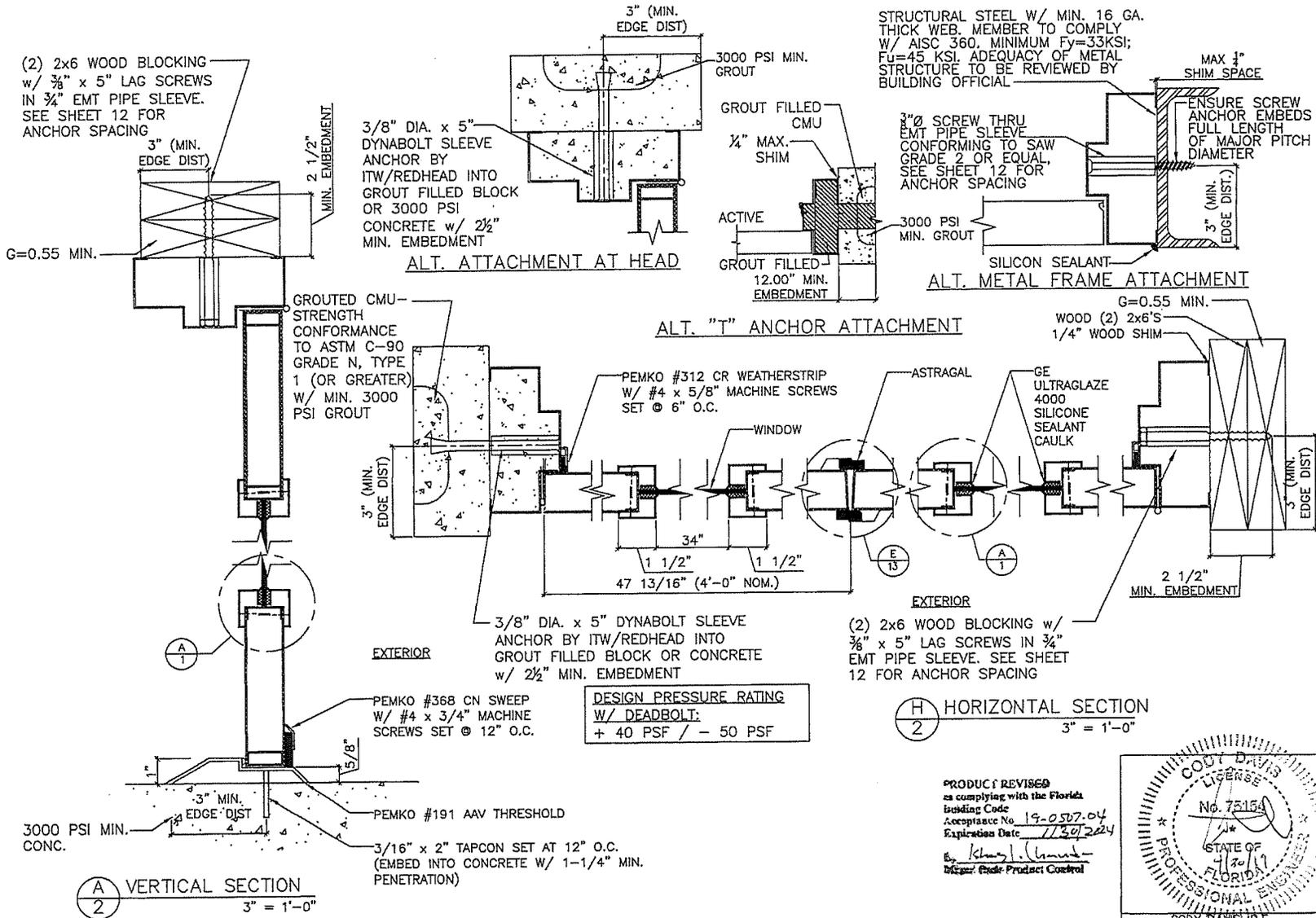
Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 19-0507.04

Expiration Date: January 30, 2024

Approval Date: May 16, 2019



GLAZED STEEL DOOR WITH DEADLOCK

STRUCTURAL STEEL W/ MIN. 16 GA. THICK WEB. MEMBER TO COMPLY W/ AISC 360. MINIMUM Fy=33KSI; Fu=45 KSI. ADEQUACY OF METAL STRUCTURE TO BE REVIEWED BY BUILDING OFFICIAL

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

DRAWING NUMBER Q02

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

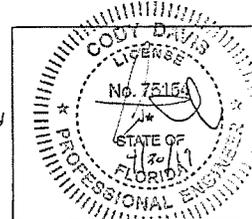
Quality Engineered Products Co., Inc.

- REVISIONS
- 1 6-28-2000
 - 2 2-23-2005
 - 3 7-8-2008
 - 4 02-26-2016

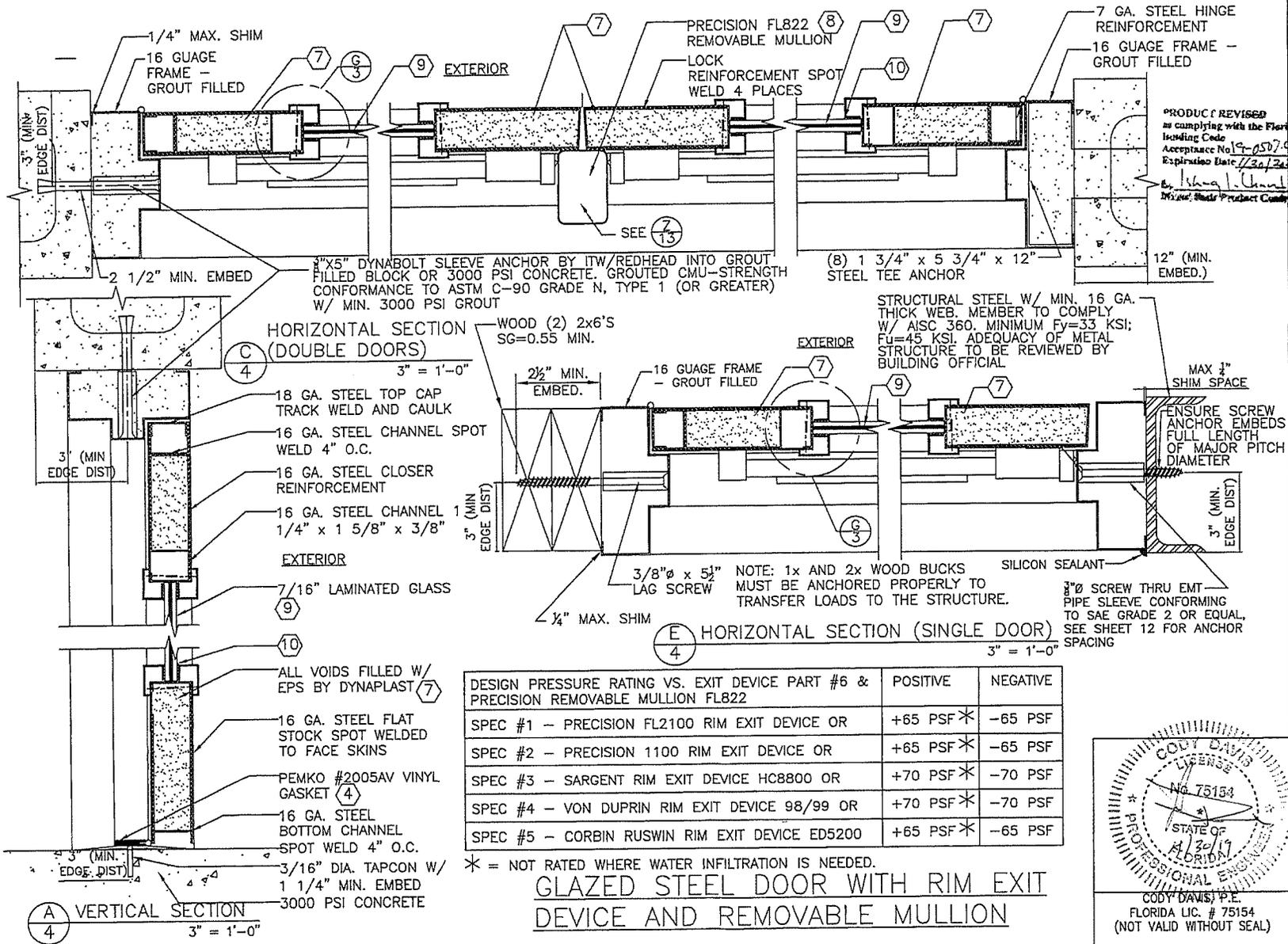
HURRICANE TEST APPROVAL Q02

SHEET 2 OF 13
DATE 04-26-19

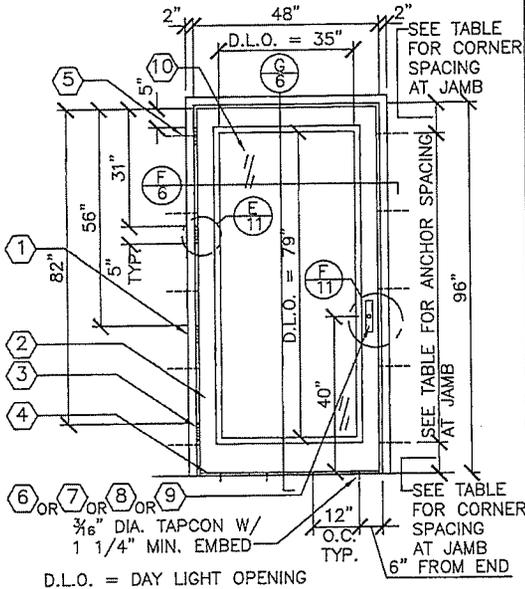
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 19-0507-04
Expiration Date 7/30/2024
By: [Signature]
Inspector: Code Product Control



CODY DAVIS, P.E.
FLORIDA LIC. # 75154
(NOT VALID WITHOUT SEAL)



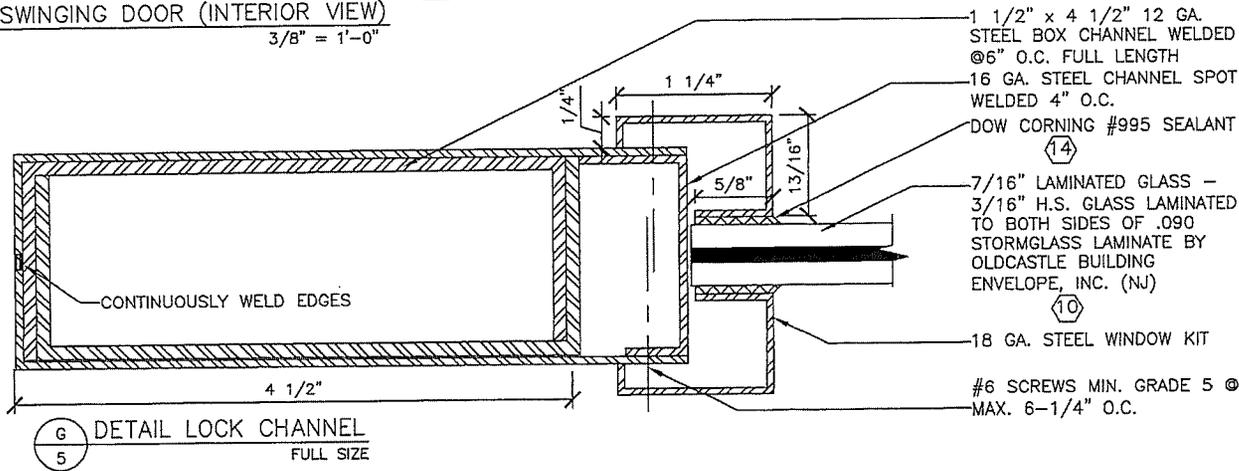
GLAZED STEEL DOOR WITH MORTISE LOCK



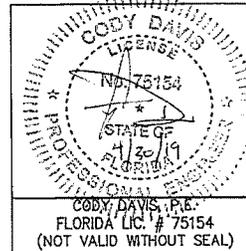
ITEM #	QUANTITY	BILL OF MATERIALS
1	1	16 GA. (.063") MIN. (14 GA. MAX.) STEEL HOLLOW METAL FRAME F _{YMIN} = 46.3 KSI; F _{UMIN} = 52.1 KSI (OR S.S. MEETING F _{YMIN} = 50.5 KSI; F _{UMIN} = 98.5 KSI)
2	1	16 GA. (.063") MIN. (14 GA. MAX.) GLAZED STEEL STORE F _{YMIN} = 46.3 KSI; F _{UMIN} = 52.1 KSI (OR S.S. MEETING F _{YMIN} = 50.5 KSI; F _{UMIN} = 98.5 KSI)
3	4	HAGAR HINGES BB1279 4.5 x 4.5 .134" THICK
4	1	PEMKO 2005AV THRESHOLD
5	SEE ANCHOR TABLE	3/8" x 5" DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD W/2-1/2" MIN. EMBED & 3" MIN. EDGE DIST. INTO 3 KSI CONCRETE OR GROUT FILLED BLOCK
6	1	CORBIN RUSWIN M12200 MORTISE LOCK
7	1	DORMA ML9953 MORTISE LOCK
8	1	SCHLAGE L9456 MORTISE LOCK
9	1	SARGENT 8243 MORTISE LOCK
10	1	7/16" HS LAMINATED GLASS BY OLDCASTLE BUILDING ENVELOPE, INC. (NJ)
11	1	PEMKO 347A TOP DRIP
12	2	PEMKO 68A DOOR TOP WEATHERSTRIP
13	3	PEMKO 303AS WEATHERSTRIP
14	AS REQ'D	DOW CORNING #995 STRUCTURAL SILICONE SEALANT

DESIGN PRESSURE RATING SINGLE DOOR W/ MORTISE LOCK (ITEM #6, 7, 8, & 9)		
	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
POSITIVE	+90 PSF	+90 PSF
NEGATIVE	-90 PSF	-90 PSF

OUTSWINGING DOOR (INTERIOR VIEW)
 3/8" = 1'-0"



PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 19-0507.04
 Expiration Date 7/30/2024
 E. Isham J. Chamber
 M.A.S. Product Control



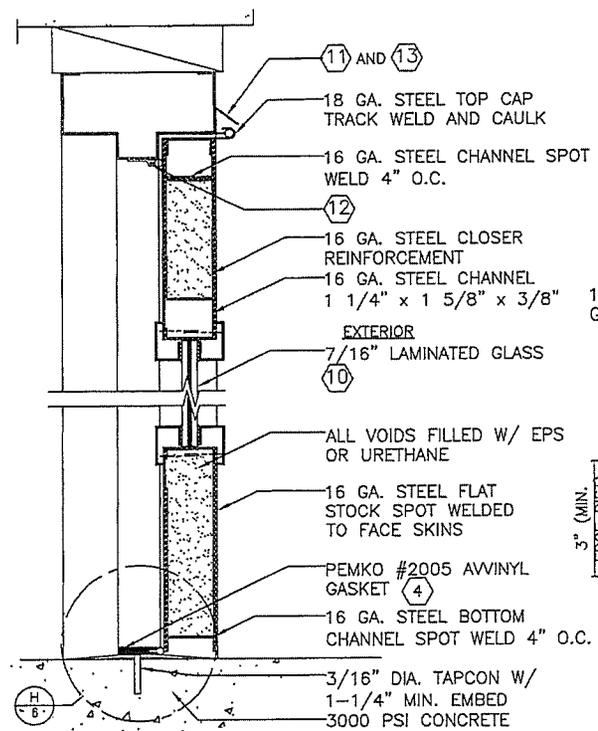
DRAWING NUMBER QQ2 16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE
 TAMPA, FLORIDA 33634
 (813) 855-1693
Quality Engineered Products Co., Inc.

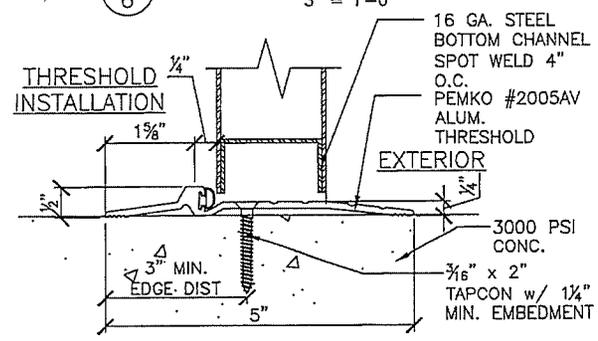
- REVISIONS
- 1 6-28-2000
 - 2 2-23-2005
 - 3 7-8-2008
 - 4 02-26-2016

HURRICANE TEST APPROVAL
 QQ2

SHEET 5 OF 13
 DATE 04-26-19

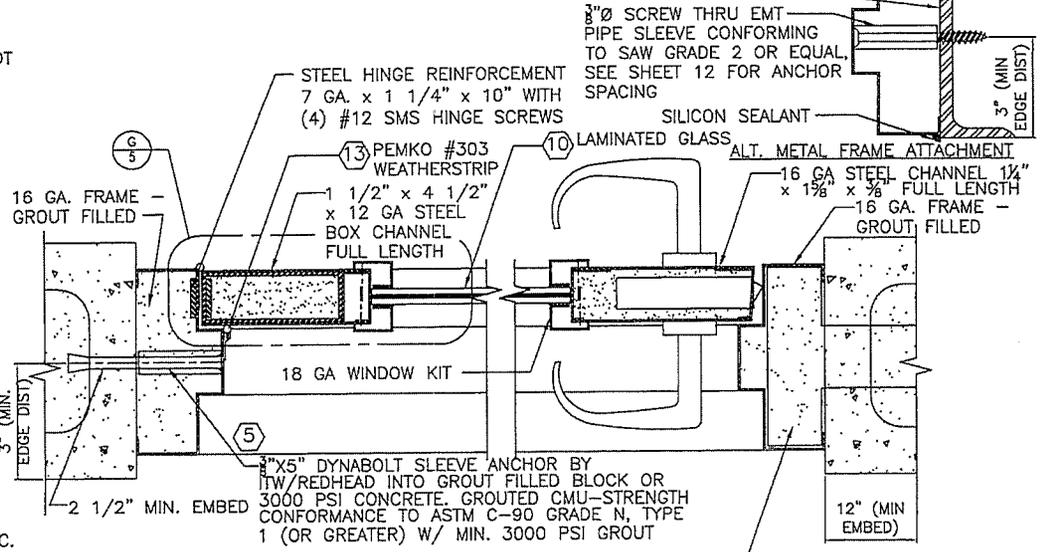


G VERTICAL SECTION
3" = 1'-0"

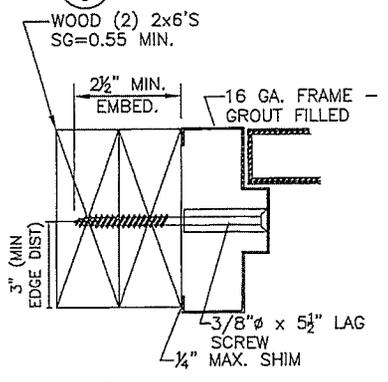


H DETAIL
HALF SIZE

STRUCTURAL STEEL W/ MIN. 16 GA. THICK WEB. MEMBER TO COMPLY W/ AISC 360. MINIMUM Fy=33 KSI; Fu=45 KSI. ADEQUACY OF METAL STRUCTURE TO BE REVIEWED BY BUILDING OFFICIAL



F HORIZONTAL SECTION (SINGLE DOORS)
3" = 1'-0"



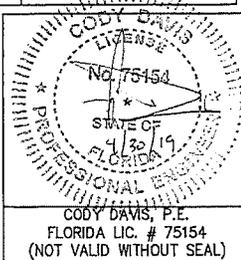
I HORIZONTAL SECTION (SINGLE DOORS)
3" = 1'-0"

DESIGN PRESSURE RATING SINGLE DOOR W/ MORTISE LOCK (ITEM #6, 7, 8, & 9)

	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
POSITIVE	+90 PSF	+90 PSF
NEGATIVE	-90 PSF	-90 PSF

NOTE: 1x AND 2x WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 19-050704
Expiration Date 11/30/2024
Cody Davis
Mr. J. B. B. Product Control



16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

DRAWING NUMBER QQ2

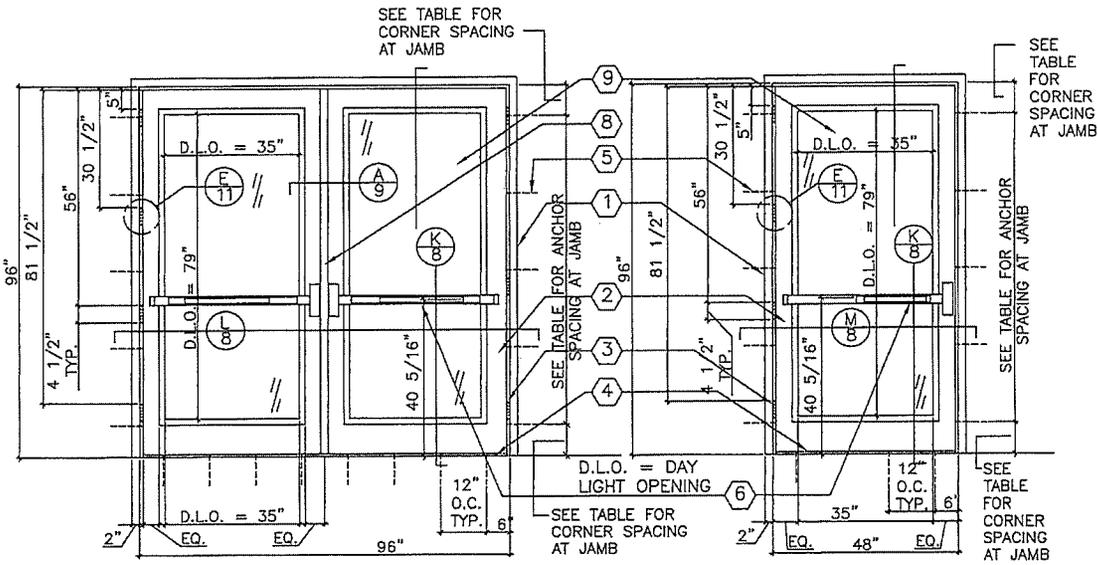
4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 855-1693

Quality Engineered Products Co., Inc.

- REVISIONS
- 6-28-2000
 - 2-23-2005
 - 7-8-2008
 - 02-26-2016

HURRICANE TEST APPROVAL
QQ2

SHEET 6 OF 13
DATE 04-26-19



OUTSWINGING PAIR OF DOORS (INTERIOR VIEW)

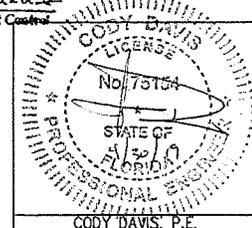
OUTSWINGING SINGLE DOOR (INTERIOR VIEW)

ITEM #	QUANTITY	BILL OF MATERIALS
1	1	16 GA. (.063") MIN. (14 GA. MAX.) STEEL HOLLOW METAL FRAME F _y MIN= 46.3 KSI; F _u MIN= 52.1 KSI (OR S.S. MEETING F _y MIN= 50.5 KSI; F _u MIN= 98.5 KSI)
2	2	16 GA. (.063") MIN. (14 GA. MAX.) GLAZED STEEL STORE F _y MIN= 46.3 KSI; F _u MIN= 52.1 KSI (OR S.S. MEETING F _y MIN= 50.5 KSI; F _u MIN= 98.5 KSI)
3	8	HAGAR HINGES 4.5 x 4.5 BB1279 .134" THICK
4	1	PEMCO 2005AV THRESHOLD
5	10	3/8" x 5" DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD w/ 3/4" EMT WELDED PIPE SLEEVE w/ 2-1/2" MIN. EMBED & 3" MIN. EDGE DISTANCE CONCRETE OR GROUT FILLED BLOCK
6	2	DORMA VERTICAL ROD EXIT DEVICE HCF9400 OR HCF9300 X YR08
7	AS REQ'D	EPS POLYSTYRENE FOAM CORE BY DYNOPLAST OR 20 GA. STEEL RIB OR HONEYCOMB
8	1	DORMA HC1300 REMOVABLE MULLION (DOUBLE DOORS) (NOT REQ. FOR VERTICAL ROD)
9	AS REQ'D	7/16" LAMINATED GLASS (3/16" HS + .090" INTERLAYER BY OLDCASTLE BUILDING ENVELOPE, INC. (NJ)
10	AS REQ'D	DOW CORNING #995 STRUCTURAL SILICONE SEALANT
11	2	PEMCO 68A DOOR TOP WEATHERSTRIP
12	3	NATIONAL GUARD #130SA WEATHERSTRIP
13	1	PEMCO 347A TOP DRIP

PAIR GLAZED STEEL DOORS
W/DORMA VERTICAL ROD EXIT DEVICES OR
RIM EXIT DEVICES W/REMOVABLE MULLION

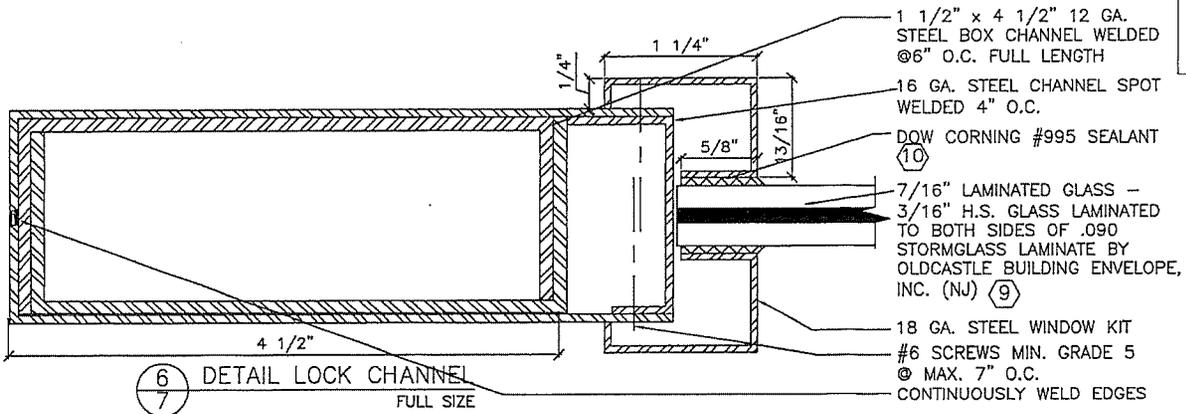
SINGLE GLAZED DOOR
W/RIM EXIT DEVICE

PRODUCT REVIEW
in compliance with the Florida
Building Code
Acceptance No. 19-058204
Expiration Date 1/30/2024
By: Shang L. Chan
Senior/ Senior Product Counselor



CODY DAVIS, P.E.
FLORIDA LIC. # 75154
(NOT VALID WITHOUT SEAL)

DESIGN PRESSURE RATING DORMA RIM EXIT 9300 W/ REMOVABLE MULLION HC1300		DESIGN PRESSURE RATING DORMA HCF9400 VERTICAL ROD EXIT DEVICE		DESIGN PRESSURE RATING SINGLE DOOR WITH DORMA RIM EXIT 9300	
WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE +80 PSF	+80 PSF	POSITIVE +80 PSF	+80 PSF	POSITIVE +80 PSF	+80 PSF
NEGATIVE -65 PSF	-65 PSF	NEGATIVE -80 PSF	-80 PSF	NEGATIVE -80 PSF	-80 PSF



6
7
DETAIL LOCK CHANNEL
FULL SIZE

DRAWING NUMBER QQ2

HURRICANE TEST APPROVAL
QQ2

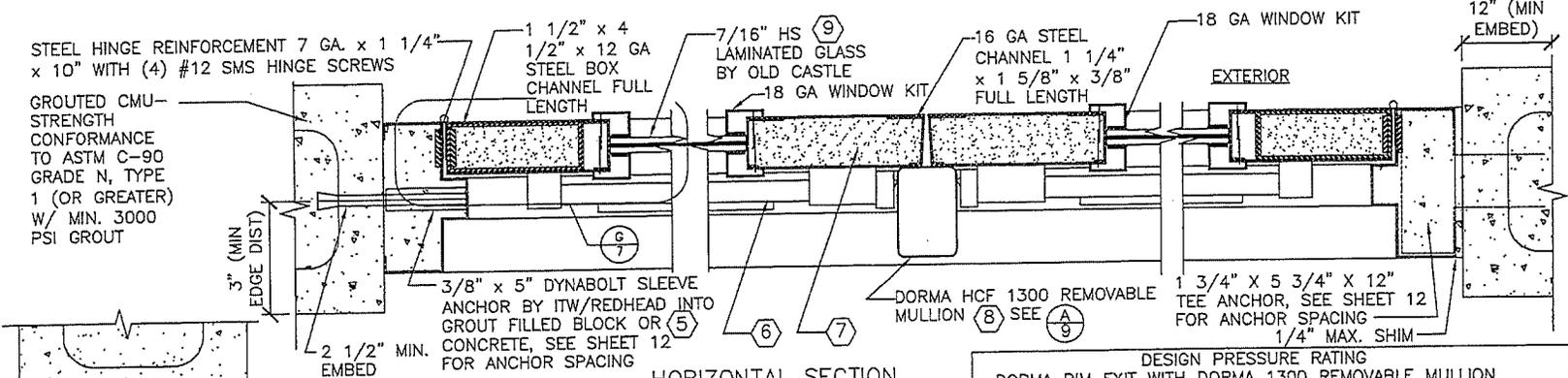
SHEET 7 OF 13
DATE 04-26-19

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

*Quality
Engineered
Products Co., Inc.*

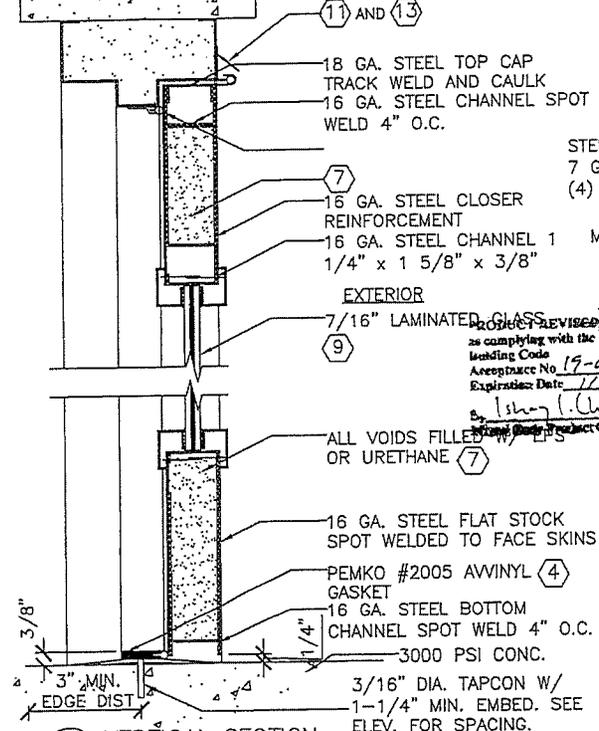
REVISIONS
1 6-28-2000
2 2-23-2005
3 7-8-2008
4 04-26-2019

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

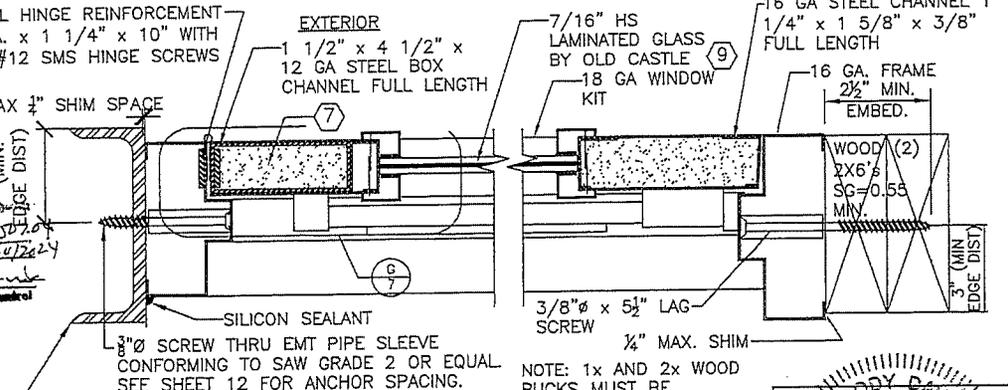


HORIZONTAL SECTION (DOUBLE DOOR)
 3" = 1'-0"

DESIGN PRESSURE RATING		DORMA RIM EXIT WITH DORMA 1300 REMOVABLE MULLION	
	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENT IS NOT NEEDED	
POSITIVE	+80 PSF	+80 PSF	
NEGATIVE	-65 PSF	-65 PSF	



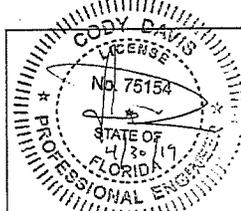
VERTICAL SECTION
 3" = 1'-0"



HORIZONTAL SECTION (SINGLE DOOR)
 3" = 1'-0"

GLAZED STEEL DOOR WITH "DORMA" RIM EXIT DEVICE & REMOVABLE MULLION

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 19-050700 Expiration Date: 7/30/2024
 by: Ishay I. Chander
 Project Manager/Inspector



CODY DAVIS, P.E.
 FLORIDA LIC. # 75154
 (NOT VALID WITHOUT SEAL)

DRAWING NUMBER QQZ

HURRICANE TEST APPROVAL QQZ

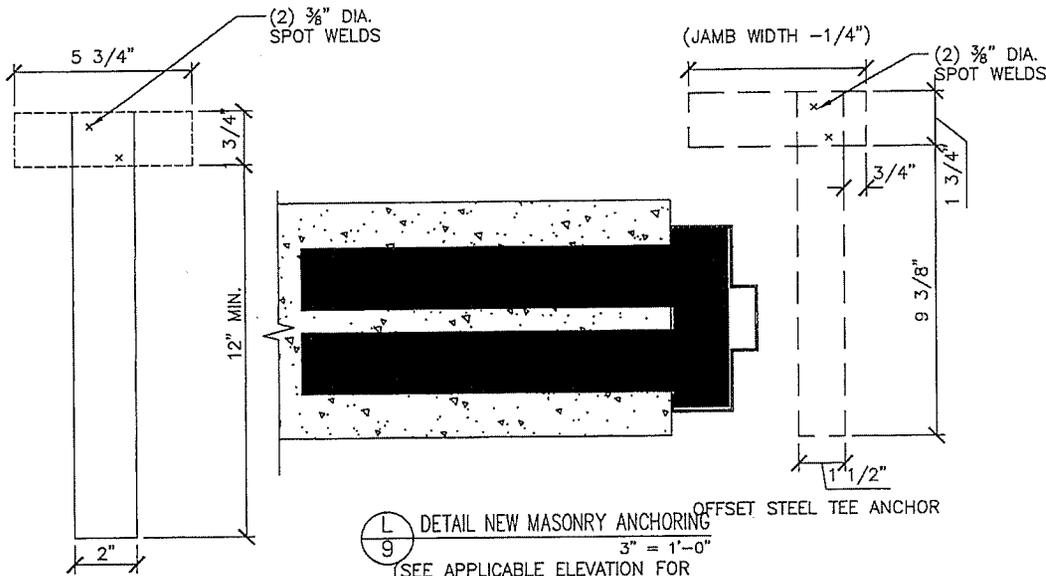
SHEET 8 OF 13
 DATE 04-26-19

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

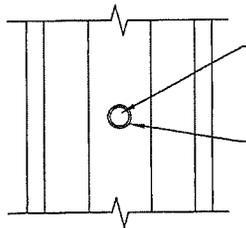
4506 QUALITY LANE
 TAMPA, FLORIDA 33634
 (813) 885-1693

Quality Engineered Products Co., Inc.

REVISIONS
 1 6-28-2000
 2 2-23-2005
 3 7-8-2008
 4 02-26-2016

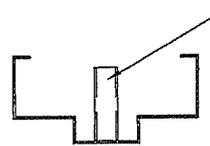


(L) DETAIL NEW MASONRY ANCHORING
 3" = 1'-0"
 (SEE APPLICABLE ELEVATION FOR NUMBER OF 'T' ANCHORS REQUIRED)



3/4" DIA. x 2 3/8" PIPE
 WELDED TO BACKSIDE
 OF HOLLOW METAL
 FRAME

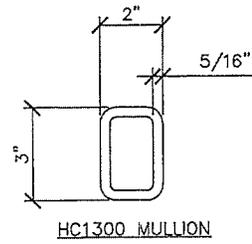
THICKNESS = 0.059" (16 GA.)
 F_y = 30 KSI



3/4" DIA. x 2 3/8" PIPE
 WELDED TO BACKSIDE
 OF HOLLOW METAL
 FRAME

(M) PIPE SLEEVE DETAIL
 3" = 1'-0"

'T' ANCHOR DETAILS

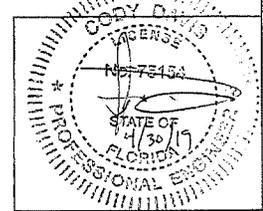
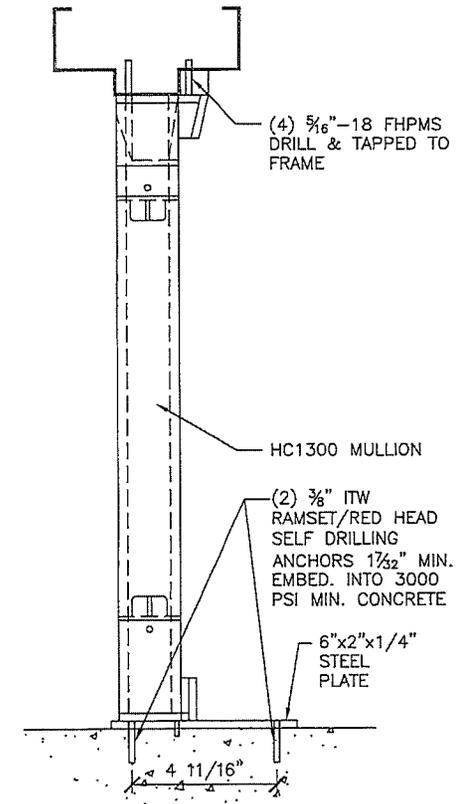


HC1300 MULLION

DORMA HC-1300
 REMOVABLE MULLION

PRODUCT REVISED
 in complying with the Florida
 Welding Code
 Acceptance No. 17-05B.7.04
 Expiration Date: 11/30/2024
 By: [Signature]
 [Signature] Product Control

(A) VERTICAL SECTION
 3" = 1'-0"



CODY DAVIS, P.E.
 FLORIDA LIC. # 75154
 (NOT VALID WITHOUT SEAL)

DRAWING NUMBER QQ2 16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

Quality
 Engineered
 Products Co., Inc.

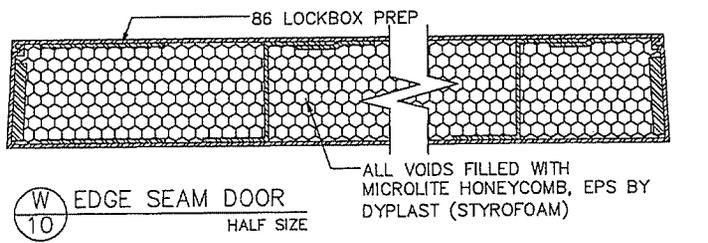
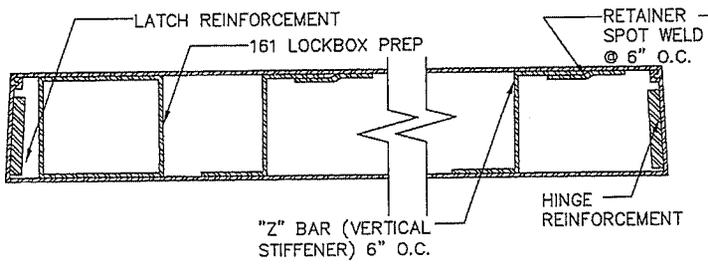
- REVISIONS
- 1 6-28-2000
 - 2 2-23-2005
 - 3 7-8-2008
 - 4 02-26-2016

HURRICANE TEST APPROVAL
 QQ2

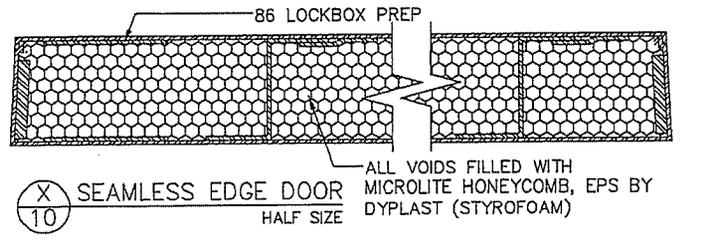
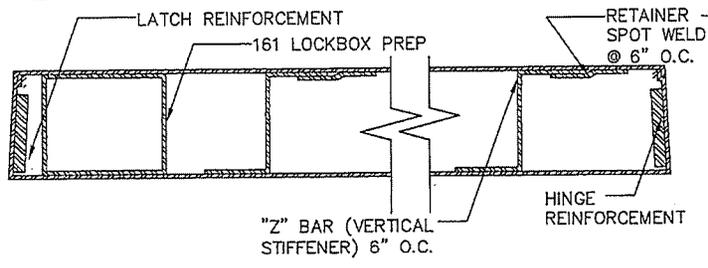
SHEET 9 OF 13

DATE 04-26-19

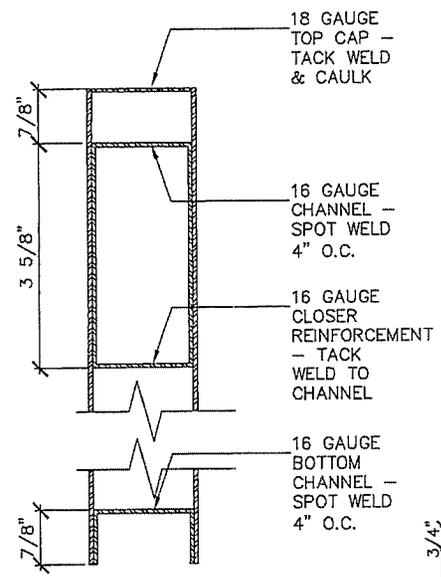
4506 QUALITY LANE
 TAMPA, FLORIDA 33634
 (813) 885-1693



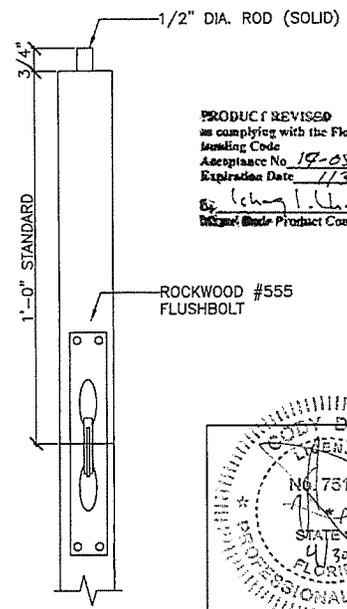
(W) 10 EDGE SEAM DOOR
HALF SIZE



(X) 10 SEAMLESS EDGE DOOR
HALF SIZE

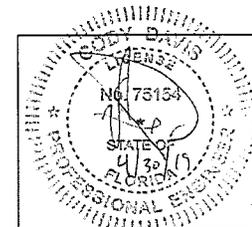


(Y) 10 VERTICAL DOOR SECTION
HALF SIZE



(Z) 10 DETAIL
3\"/>

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 19-0507-04
Expiration Date 11/30/2024
By: *Chas. L. Hank*
District Chief Product Control



DOOR PANEL CONSTRUCTION DETAILS

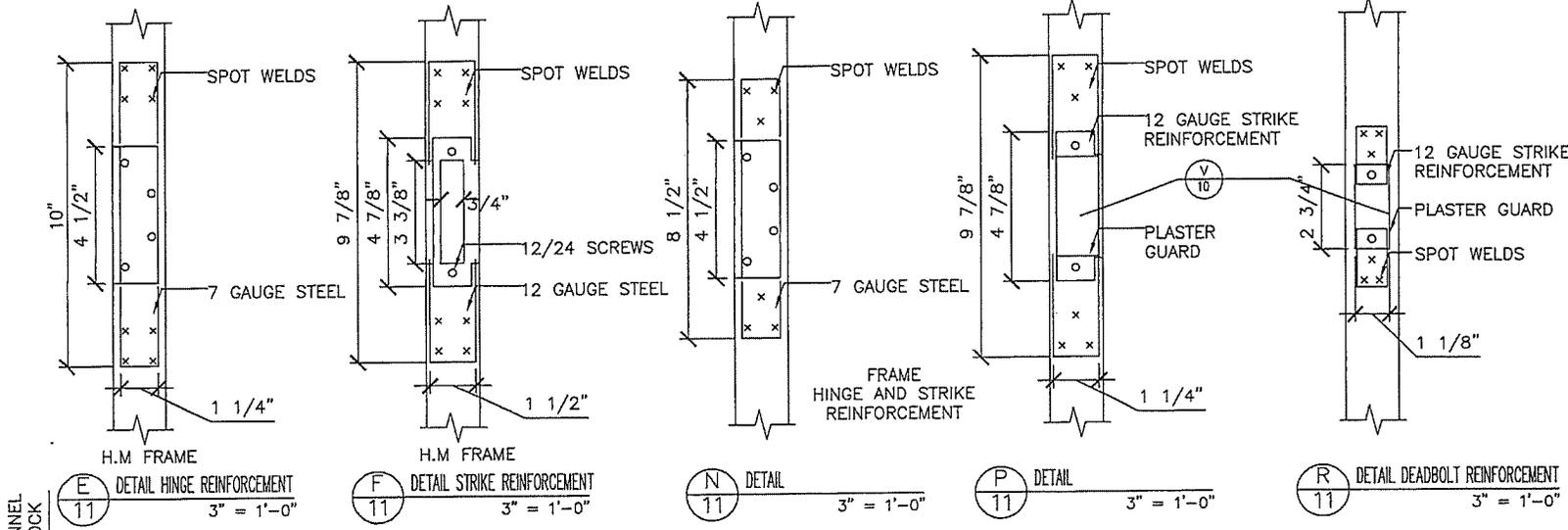
DRAWING NUMBER QQ2 16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693
Quality Engineered Products Co., Inc.

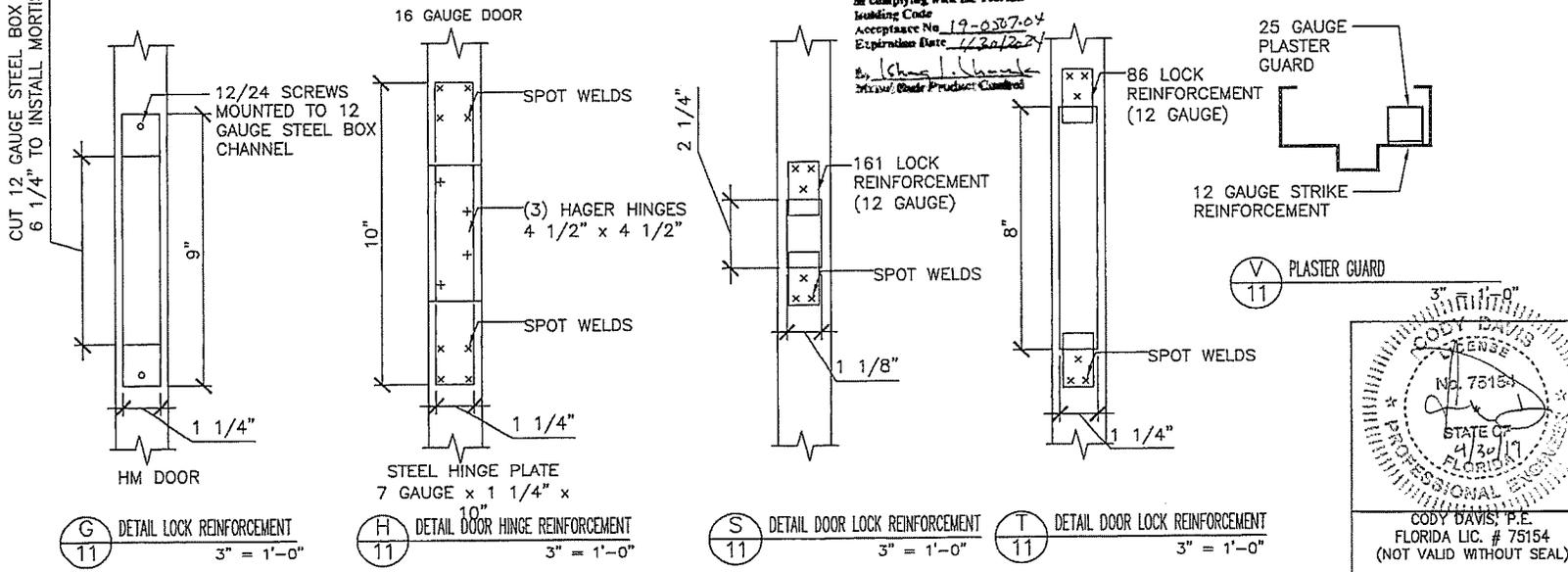
- REVISIONS
- 1 6-28-2000
 - 2 2-23-2005
 - 3 7-8-2008
 - 4 02-26-2016

HURRICANE TEST APPROVAL
QQ2

SHEET 10 OF 13
DATE 04-26-19



DOOR & FRAME REINFORCEMENTS



3" = 1'-0"

CODY DAVIS
LICENSE
No. 75154
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
4/30/17

CODY DAVIS, P.E.
FLORIDA LIC. # 75154
(NOT VALID WITHOUT SEAL)

DRAWING NUMBER QQ2

HURRICANE TEST APPROVAL QQ2

SHEET 11 OF 13

DATE 04-26-19

16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

REVISIONS

1	6-28-2000
2	2-23-2005
3	7-8-2008
4	02-26-2016

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

Quality Engineered Products Co., Inc.

7'-0" Height
Anchor and Spacing Table

See Sheet 1	GLAZED STEEL DOOR WITH DEADLOCK	DOUBLE DOOR	ANCHOR	SUBSTRATE	MAX SPACING		JAMB		HEAD	
					JAMB	HEAD	NUMBER OF ANCHORS	MAX. CORNER SPACING	NUMBER OF ANCHORS	MAX. CORNER SPACING
					1/2" DYNABOLT	CMU	24"	22"	4	8"
1/2" T ANCHOR	CMU	24"	-	4	8"	-	-			
1/2" SCREW	STEEL	20"	20"	5	10"	5	10"			
1/2" LAG	WOOD	10"	10"	9	5"	10	5"			
1/2" DYNABOLT	CMU	24"	-	4	8"	2	10"			
1/2" T ANCHOR	CMU	24"	-	4	8"	-	-			
1/2" SCREW	STEEL	24"	24"	4	12"	3	12"			
1/2" LAG	WOOD	20"	20"	5	10"	3	10"			

7'-0" Height
Anchor and Spacing Table

See Sheet 3	GLAZED STEEL DOOR WITH RIM EXT DEVICE AND REMOVABLE MULLION	DOUBLE DOOR	ANCHOR	SUBSTRATE	MAX SPACING		JAMB		HEAD	
					JAMB	HEAD	NUMBER OF ANCHORS	MAX. CORNER SPACING	NUMBER OF ANCHORS	MAX. CORNER SPACING
					1/2" DYNABOLT	CMU	24"	20"	4	8"
1/2" T ANCHOR	CMU	24"	-	4	8"	-	-			
1/2" SCREW	STEEL	20"	20"	5	8"	4	10"			
1/2" LAG	WOOD	10"	10"	9	3"	8	5"			
1/2" DYNABOLT	CMU	24"	-	4	8"	2	8"			
1/2" T ANCHOR	CMU	24"	-	4	8"	-	-			
1/2" SCREW	STEEL	24"	24"	4	9"	2	12"			
1/2" LAG	WOOD	16"	16"	6	6"	3	8"			

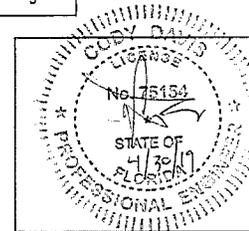
8'-0" Height
Anchor and Spacing Table

See Sheet 5	GLAZED STEEL DOOR WITH HURRICANE LOCK	SINGLE DOOR	ANCHOR	SUBSTRATE	MAX SPACING		JAMB	
					JAMB	NUMBER OF ANCHORS	MAX. CORNER SPACING	
					1/2" DYNABOLT	CMU	20"	5
1/2" T ANCHOR	CMU	24"	5	8"				
1/2" SCREW	STEEL	20"	5	10"				
1/2" LAG	WOOD	10"	10	5"				

8'-0" Height
Anchor and Spacing Table

See Sheet 7	GLAZED STEEL DOOR WITH "DORNA" RIM EXIT DEVICE AND REMOVABLE MULLION	DOUBLE DOOR	ANCHOR	SUBSTRATE	MAX SPACING		JAMB	
					JAMB	NUMBER OF ANCHORS	MAX. CORNER SPACING	
					1/2" DYNABOLT	CMU	20"	5
1/2" T ANCHOR	CMU	24"	5	8"				
1/2" SCREW	STEEL	12"	9	3"				
1/2" LAG	WOOD	6"	17	1" TOP, 3" BOTTOM				
1/2" DYNABOLT	CMU	20"	5	8"				
1/2" T ANCHOR	CMU	24"	5	8"				
1/2" SCREW	STEEL	20"	8	8"				
1/2" LAG	WOOD	12"	9	3"				

PRODUCED REVISIONS
as complying with the Florida
Building Code
Acceptance No. 19-0587-04
Expiration Date 11/30/2024
S. [Signature]
Miami Steel Products Controls



CODY DAVIS, P.E.
FLORIDA LIC. # 75154
(NOT VALID WITHOUT SEAL)

ANCHOR AND SPACING TABLES

DRAWING NUMBER **QQ2** 16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

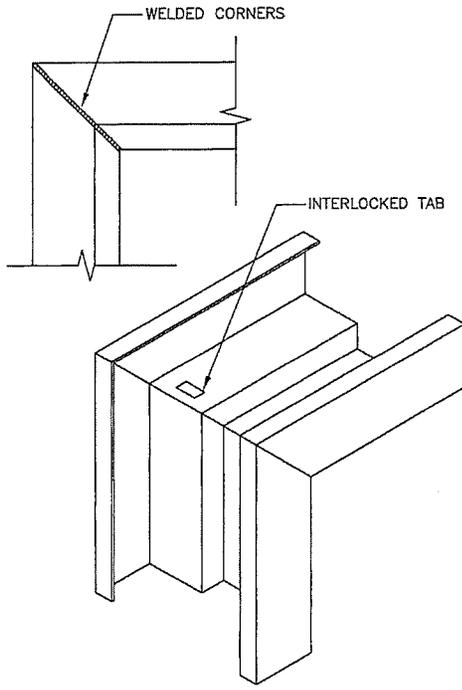
*Quality
Engineered
Products Co., Inc.*

REVISIONS
1 6-28-2000
2 2-23-2005
3 7-8-2008
4 02-26-2016

HURRICANE TEST APPROVAL
QQ2

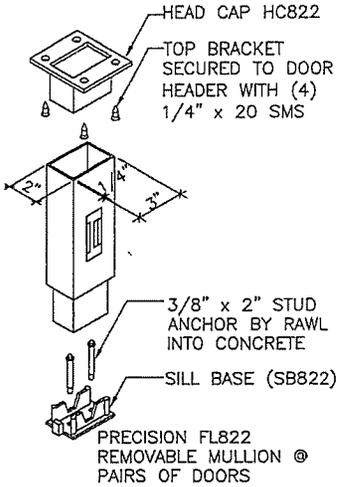
SHEET 12 OF 13

DATE 04-26-19



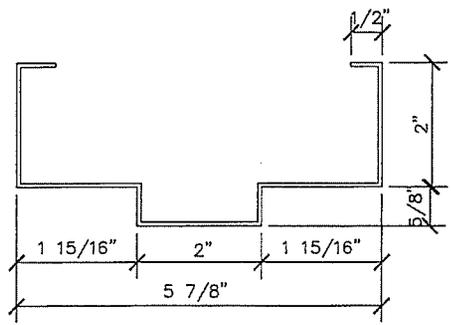
○ TYPICAL CORNER DETAIL
3" = 1'-0"

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 19-0507-04
Expiration Date 1/30/2024
By: *[Signature]*
Senior Code Product Control

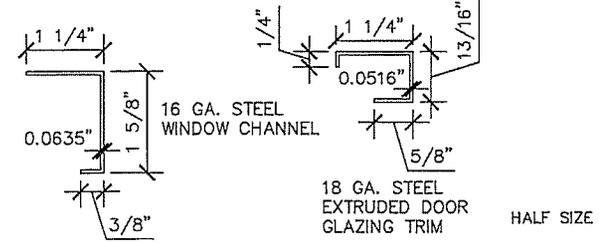


○ Z DETAIL REMOVABLE MULLION
13 1 1/2" = 1'-0"

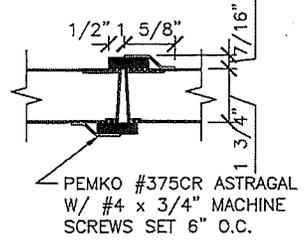
COMMON DETAILS



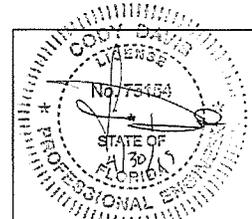
○ E DETAIL 16 GA. FRAME PROFILE
13 HALF SIZE



○ DETAIL HALF SIZE



○ E DETAIL ASTRAGAL
13 3" = 1'-0"



CODY DAVIS, P.E.
FLORIDA LIC. # 75154
(NOT VALID WITHOUT SEAL)

DRAWING NUMBER QQ2 16 GA. OUTSWINGING GLAZED COMMERCIAL STEEL DOOR

4506 QUALITY LANE
TAMPA, FLORIDA 33634
(813) 885-1693

*Quality
Engineered
Products Co., Inc.*

- REVISIONS
- 1 6-28-2000
 - 2 2-23-2005
 - 3 7-8-2008
 - 4 02-26-2016

HURRICANE TEST APPROVAL
QQ2

SHEET 13 OF 13

DATE 04-26-19



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Stanley Security Solutions Inc.
6161 East 75th Street
Indianapolis, IN 46250

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series HC2200, HC2300 & HC2800 Vertical Rod Panic Exit Devices and HC2100 Rim Exit Device w/ HCK822Steel removable Mullion-Component Approval-Impact

APPROVAL DOCUMENT: Drawing No. "SSS009" former "SSS002" Rev A, titled "Series HC2200, HC2300 & HC2800 Vertical Rod Panic Exit Devices and HC2100 Rim w/HCK822", sheets 1 through 7 of 7, prepared by Building Drops Inc., dated 06/22/11 and last revised on 10-24-2017, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. This component is approved to be used as an alternate with an approved outswing single or double Steel doors, having current NOA (Notice of Acceptance). Lowest Design Pressure of doors or the component may control.
2. See respective Design Pressures tables in sheets 3-6 and limitations in sheet 1 of the component approval drawing.
3. Min thickness 5/16" (0.3125") HCK822 Removable steel mullion is required, when used with HC2300 Rim Panic
4. Electrical device installation is not part of this approval, such installation to be reviewed by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # 15-0217.06 and consists of this page 1 and evidence pages E-1&E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No. 17-1026.19
Expiration Date: September 30, 2019
Approval Date: January 04, 2017
Page 1



12/26/17

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files see below)
2. Drawing No. "SSS002" Rev A, titled "HC2100 Rim w/HCK822, Series HC2200, HC2300 & HC2800", sheets 1 through 7 of 7, prepared by Building Drops Inc., dated 06/22/11 and last revised on 08-12-2015, signed and sealed by Hermes F. Norero, P.E.

B. TESTS (Submitted under file #13-0718.03/#12-0612.24 /11-0207.11 /#09-0218.09)

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of HCKR822 removable Mullion w/ HC2100 Rim Panic exit, prepared by Intertek, Test Report No. 319135MID-001, dated 10/15/10, signed and sealed by Rick Curkeet, P. E.

2. Test reports on:
 - 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
2. Along with installation diagrams of a Panic exit devices, prepared by Certified Testing Laboratories Architectural Division, Test Report No(s). CTLA-1150W, dated 02/28/04, CTLA-1150W-1, dated 03/18/04, CTLA-1150W-2, dated 03/18/04 and CTLA-1150W-3 dated 03/19/04, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS

1. Anchor verification complying w/FBC 2014 (5th edition), prepared by prepared by Building Drops Inc., dated 08/12/15, signed and sealed by Hermes F. Norero, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS (All items, except item #1, submitted previously)

1. Statement letter of conformance to FBC 2014 (5th Edition), letter of no financial interest dated 08/13/2015, issued by Building Drops Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter of Successor P.E. adopting work of another Engineer dated 11-28-12, per FL. Statue chapter 61G15-27, signed & sealed by Hermes F. Norero, P.E.
3. Certificate of Merger, issued by State of Indiana of merger of Precision Hardware Inc. into surviving entity Stanley Security Solution Inc, dated May 04, 2007, signed by Todd Rokita, secretary of State.
4. Lab compliance as part of the above referenced test reports.

G. OTHER

1. This NOA revises NOA # 13-0718.03, expiring on Sep 30, 2019.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1026.19
Expiration Date: September 30, 2019
Approval Date: January 04, 2017

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted.

A. DRAWINGS

1. Drawing No. "SSS002" Rev A, titled "HC2100 Rim w/HCK822, Series HC2200, HC2300 & HC2800", sheets 1 through 7 of 7, prepared by Building Drops Inc., dated 06/22/11 and last revised on 08-12-2015, signed and sealed by Hermes F. Norero, P.E.

Note: This revision consist of editorial FBC compliance notes in sheet 1 only.

B. Test

1. None.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

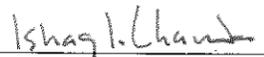
1. None

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition) and "No financial interest" dated 08/08/17, prepared by Building Drops Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter to extent of editorial revision to the drawing dated 12/11/17, prepared by Building Drops Inc., signed and sealed by Hermes F. Norero, P.E.

G. OTHER

1. This NOA revises NOA # 15-0217.06, expiring 09/30/19.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1026.19
Expiration Date: September 30, 2019
Approval Date: January 04, 2017

STANLEY SECURITY SOLUTIONS, INC.

SERIES HC2200, HC2300 & HC2800 VERTICAL ROD PANIC EXIT DEVICES AND HC2100 RIM EXIT DEVICE WITH HCK822 STEEL REMOVABLE MULLION (PANIC HARDWARE COMPONENT APPROVAL)



6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

TITLE: SERIES HC2200, HC2300, HC2800 SVR AND HC2100 RIM W/ HCK822 REMOVABLE MULLION
GENERAL NOTES
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE 6TH EDITION FLORIDA BUILDING CODE (FBC) INCLUDING PROVISIONS SET FORTH FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ).
- THE DOORS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
 - THE DOOR SHALL BE 1-3/4" MIN. OVERALL THICKNESS
 - DOOR PANEL SHALL BE REINFORCED WITH 22 GA. (0.029") "HAT-STIFFENERS" AT A MAXIMUM OF 6" O.C.
 - HINGE REINFORCEMENTS AT DOOR PANEL AND AT FRAME SHALL BE A MINIMUM OF 7 GA. (0.1875") THICK STEEL.
 - FULL-LENGTH 16 GA. (0.053" MIN.) STEEL TUBE (2 X C-NESTED CHANNELS) AT TOP & BOTTOM RAILS OF DOORS.
 - MIN. 12 GA. (0.101" MIN.) STEEL REINFORCEMENT AT HINGE & STRIKE PLATES WHERE APPLICABLE.
 - MIN. 14 GA. (0.067" MIN.) STEEL C-CHANNEL AT HINGE & LOCK STILES WHERE APPLICABLE.
 - FULL LENGTH 12 GA. (0.101" MIN.) STEEL TUBE (2 X C-NESTED CHANNELS) AT STILES WHERE APPLICABLE.
 - PLEASE REFER TO DOOR ELEVATIONS, SHEET 2, AND CORRESPONDING DETAILS FOR APPLICABILITY OF REINFORCEMENT REQUIREMENTS (SHEETS 3-7).
- STRIKES, HINGES, AND ALL APPLICABLE REINFORCEMENTS AS REQUIRED ON DETAIL DRAWING IN THIS APPROVAL.
- LOCKING HARDWARE SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ALL FASTENERS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- STEEL COMPONENTS SHALL BE COATED OR COMPLY WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH THE MATERIAL PROTECTION PROVISIONS OF THE 6TH EDITION FBC, CHAPTER 22.
- ALL TRIMS SHALL BE THRU BOLTED WITH #10-24 MACHINE SCREWS.
- 1700 & 200 SERIES TRIMS AVAILABLE WITH A, B, & C STYLE PULLS.
- 3900 & 4900 SERIES TRIMS AVAILABLE WITH A, B, C, & D LEVERS AND KNOBS.
- OPTIONAL TRIMS MODELS INCLUDE: 1703, 2003, 4900.
- CONFORMS TO UL10C AND UBC7-2, BHMA CERTIFIED FOR ANSI 156.3 GRADE 1.

LIMITATIONS OF USE:

- PANIC EXIT HARDWARE DEVICES ARE APPROVED TO BE EQUAL ALTERNATIVES OF TESTED COMPONENTS TO BE USED IN 16 GA. STEEL FRAME AND 16 GA. (0.053" MIN.) STEEL SINGLE OR DOUBLE DOORS, HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING OF DOOR OR THE COMPONENT APPROVAL HEREIN SHALL CONTROL.
- DOOR PANELS MUST NOT BE WIDER THAN 48" AND HIGHER THAN 96".
- ELECTRICAL/ELECTRONIC FUNCTION AND INSTALLATION OTHER THAN SELF CONTAINED ELECTRONIC DEVICES ARE NOT PART OF THIS APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION(AHJ) IN THE AREA.
- COMPLIANCE WITH BUILDING EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	B	GENERAL NOTES
2	B	DOOR ELEVATIONS
3	B	HC2100 RIM EXIT W/ HCK822 MULLION
4	B	HC2200 SURFACE VERTICAL ROD (SVR)
5	B	HC2800 CONCEALED VERTICAL ROD (CVR)
6	B	HC2800 CVR W/ HC2300 MORTISE LOCK EXIT DEVICE
7	B	BILL OF MATERIALS (BOM) & COMPONENTS

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	10.2.14
6TH FBC CODE CHANGE	CL	8.24.17

THIS DOCUMENT IS THE PROPERTY OF BUILDING DROPS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF BUILDING DROPS, INC. ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.



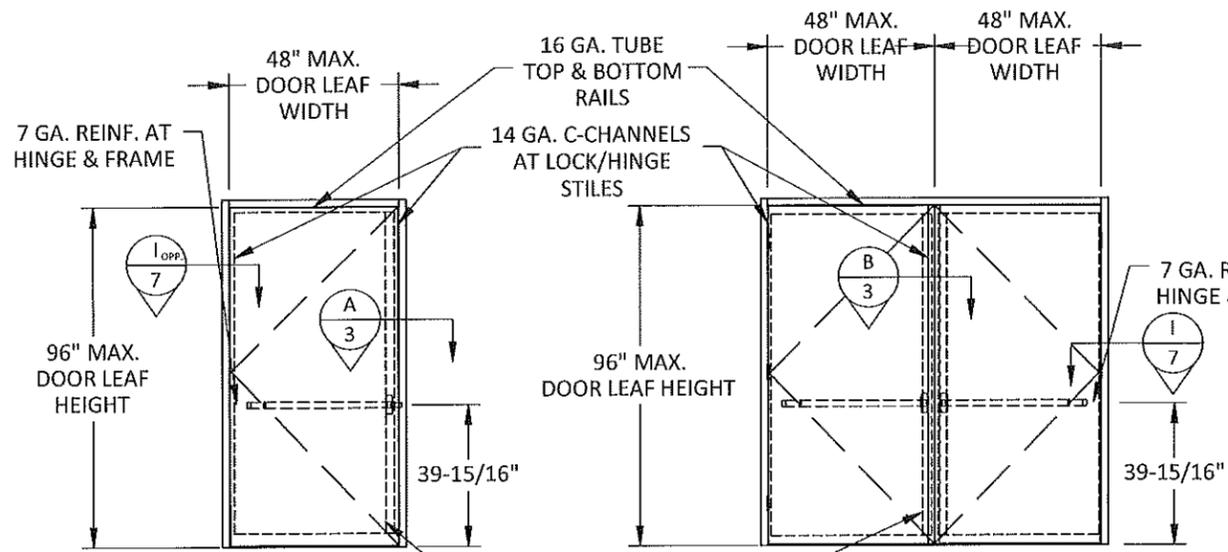
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 17-1026-19 Expiration Date SEP 30, 2019
Ishag I. Gharib
Product Control

DATE: 08.24.17
DWG. BY: CL CHK. BY: HFN
SCALE: NTS
DWG. #: SSS009
SHEET: 1 OF 7

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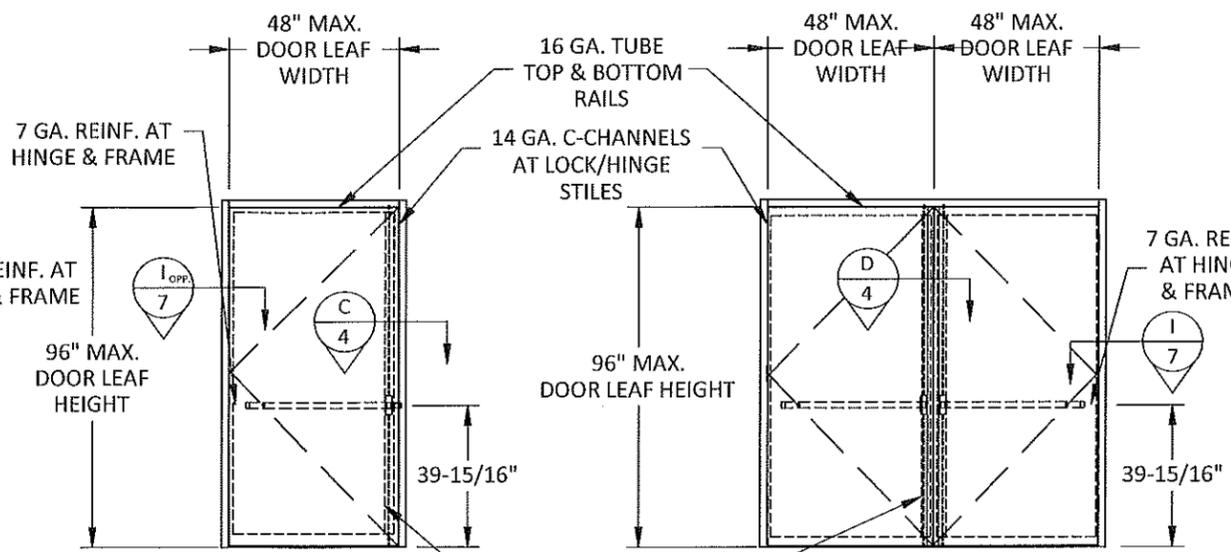
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OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
HC2100 SERIES RIM DEVICE

OUTSWING SINGLE OR PAIR STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
TWO HC2100 SERIES RIM DEVICES
WITH HCKR822 MULLION

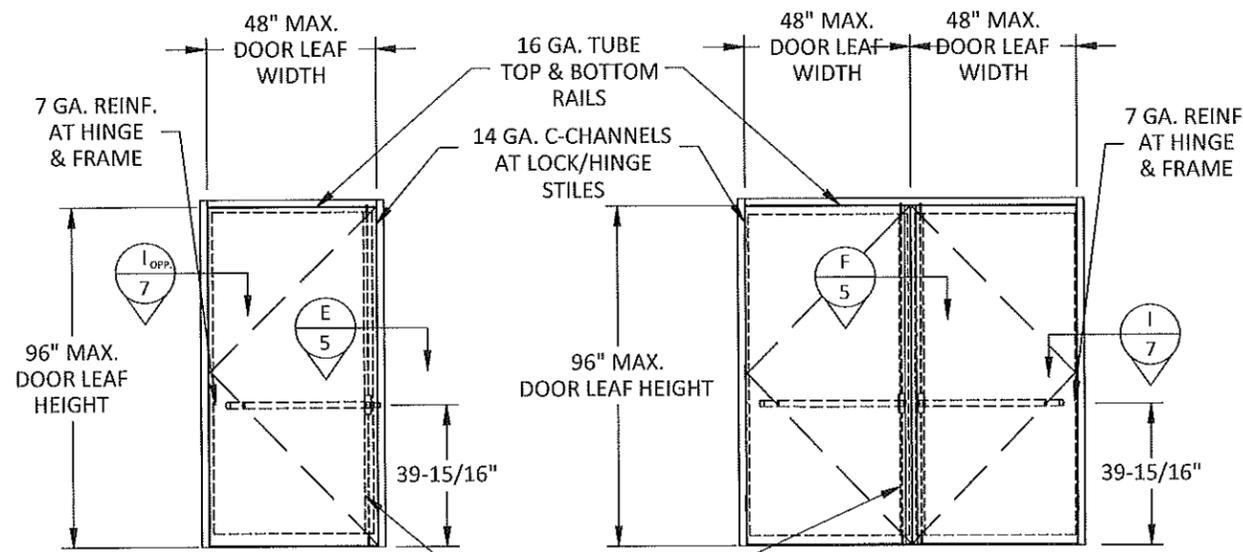
SERIES HC2100 RIM EXIT W/ HCK822 MULLION



OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
HC2200 SERIES SURFACE VERTICAL RODS

OUTSWING SINGLE OR PAIR STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
TWO HC2200 SERIES SURFACE VERTICAL RODS

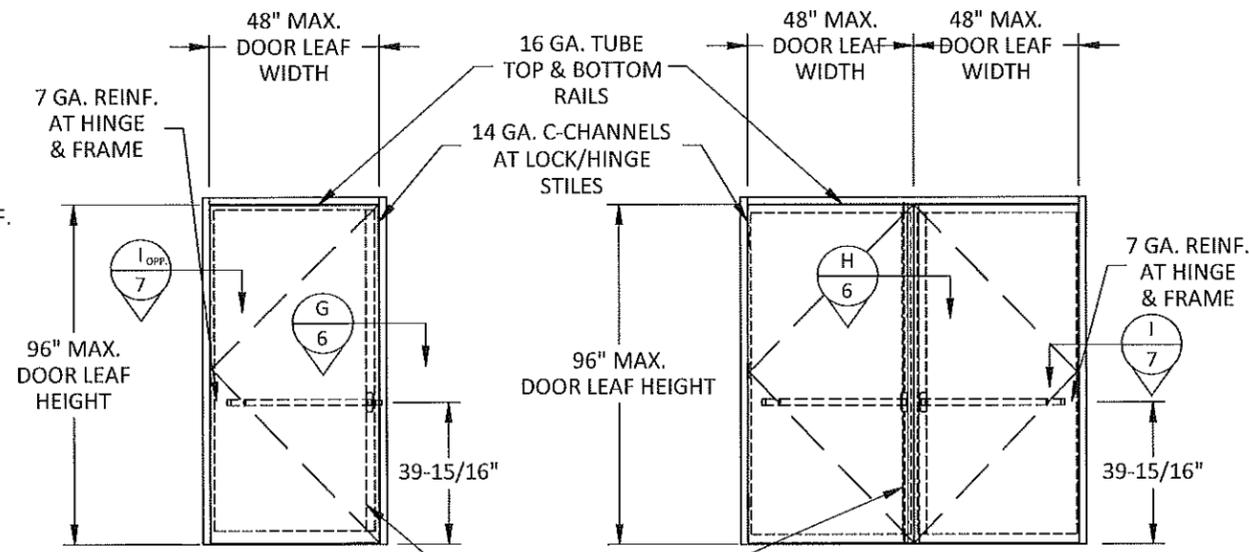
SERIES HC2200 SURFACE VERTICAL ROD (SVR)



OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
HC2800 SERIES CONCEALED VERTICAL ROD

OUTSWING SINGLE OR PAIR STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
TWO HC2800 SERIES CONCEALED VERTICAL RODS

SERIES HC2800 CONCEALED VERTICAL ROD DEVICES (CVR)



OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
HC2300 SERIES SINGLE MORTISE LOCK

OUTSWING SINGLE OR PAIR STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
HC2800 CONCEALED VERTICAL ROD WITH
HC2300 SERIES MORTISE LOCK

SERIES HC2800 CVR/SERIES HC2300 MORTISE LOCK
OR SERIES HC2800 CVR SINGLE OR DOUBLE DOORS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1026.19
Expiration Date 9/30/19
W. Sheng L. Chande
Product Control

NOTE: ALL ELEVATIONS SHOWN FROM EXTERIOR SIDE

STANLEY
Security Solutions

6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

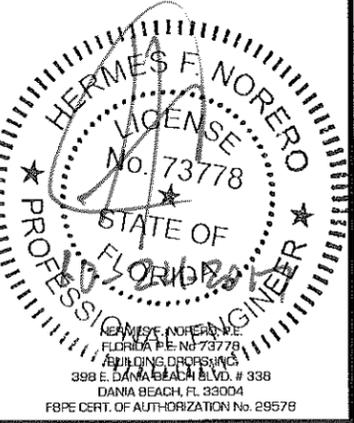
TITLE: SERIES HC2200, HC2300, HC2800 SVR AND HC2100 RIM W/ HCK822 REMOVABLE MULLION

DOOR ELEVATIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	10.2.14
6TH FBC CODE CHANGE	CL	8.24.17

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DATE: 08.24.17

DWG. BY: CL	CHK. BY: HFN
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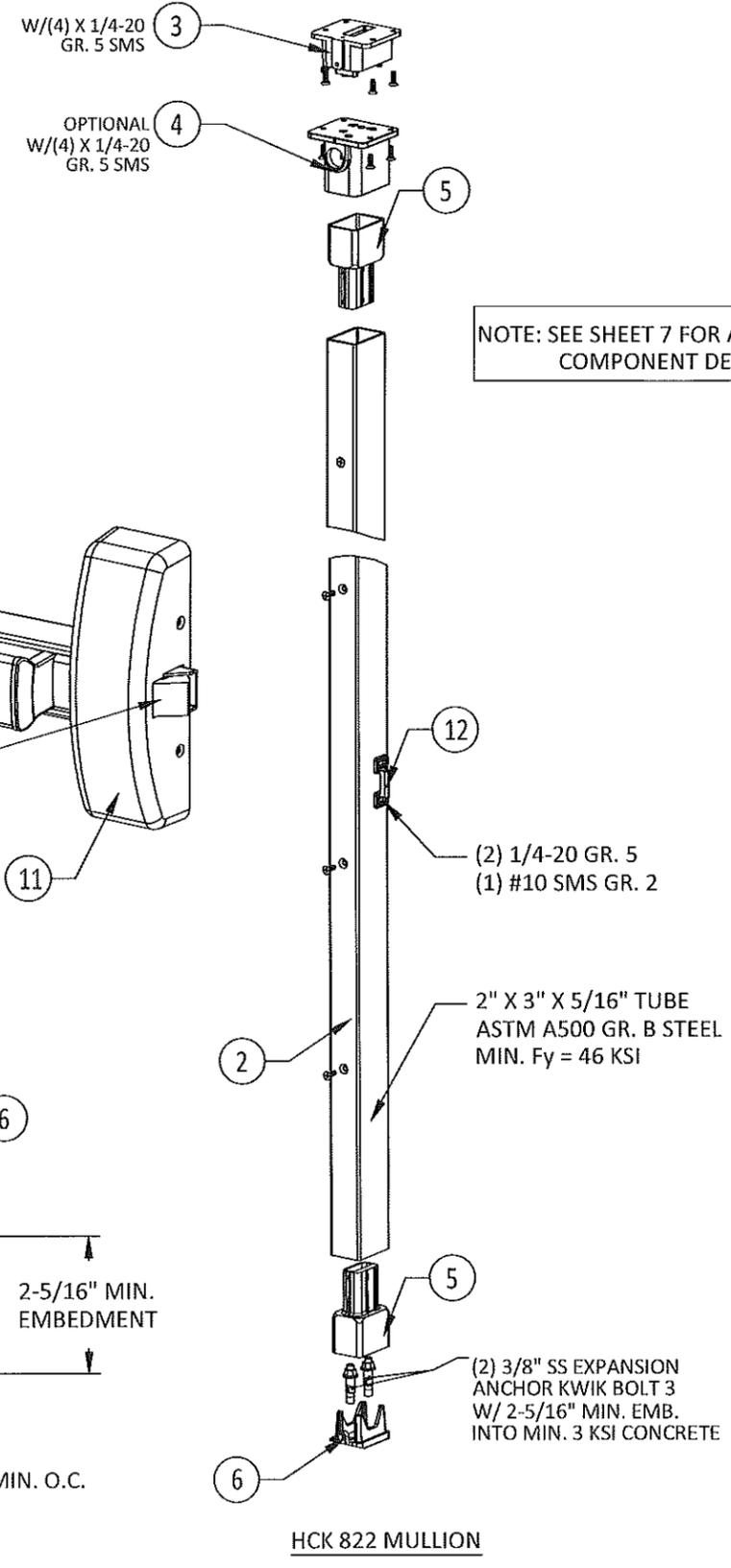
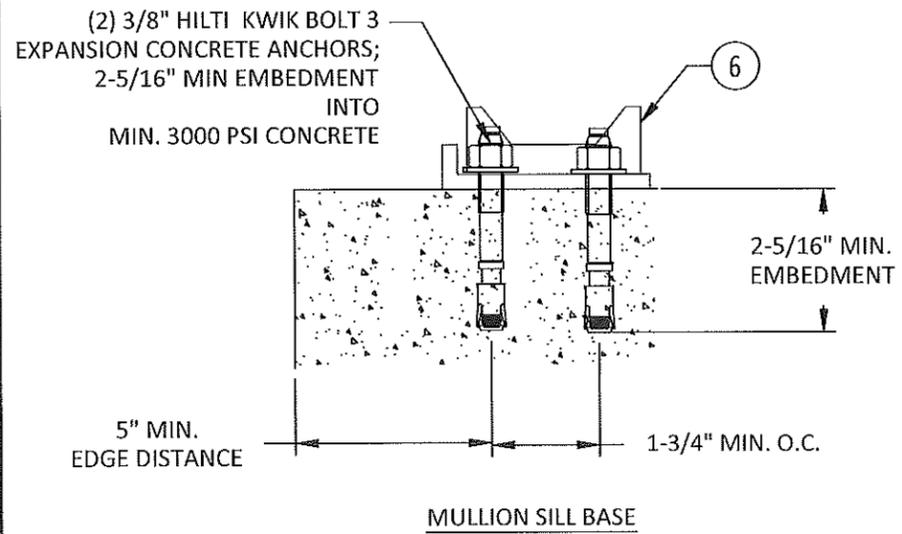
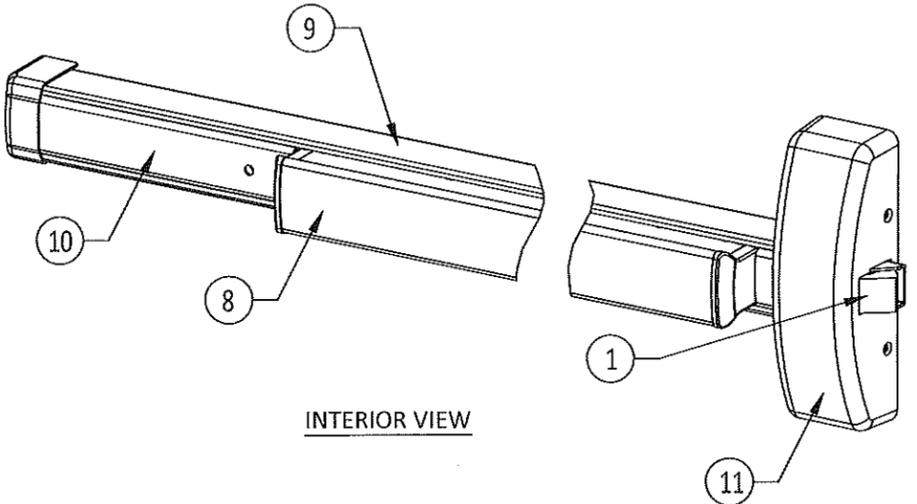
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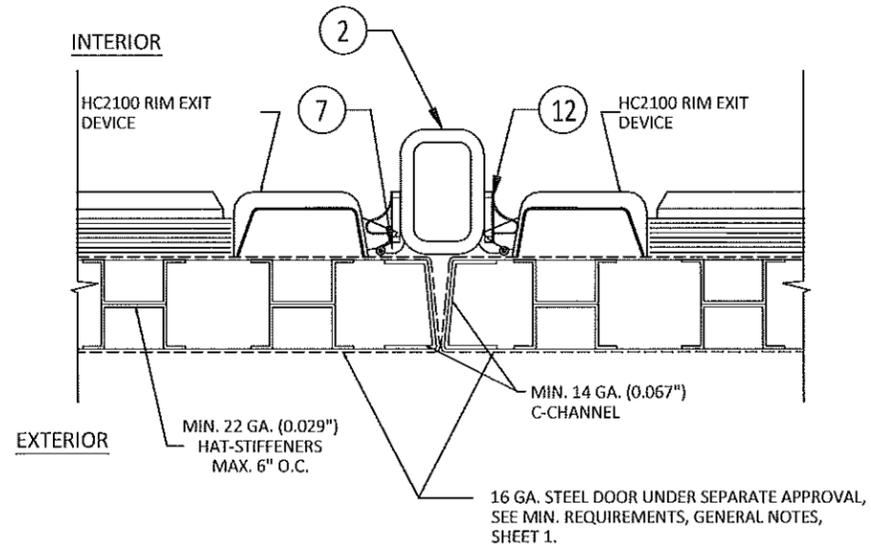
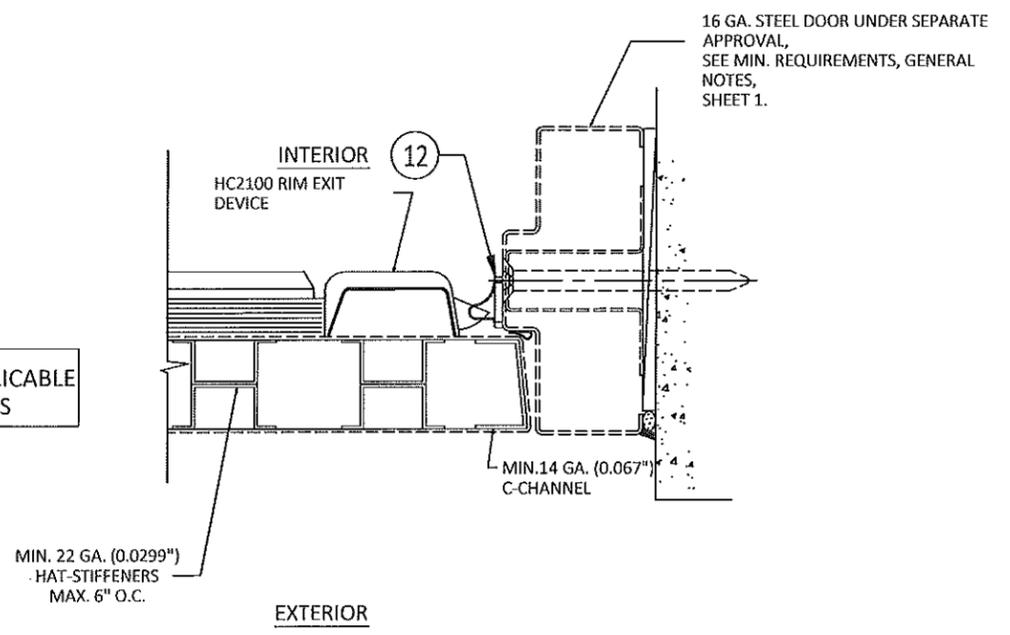
SHEET: 2 OF 7

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SERIES HC2100 RIM EXIT WITH HCK 822 MULLION EXIT DEVICE		
MAX. DESIGN PRESSURE	SINGLE DOOR W/ OUT MULLION	DOUBLE DOOR WITH MULLION
POSITIVE	70 PSF	65 PSF
NEGATIVE	70 PSF	65 PSF



NOTE: SEE SHEET 7 FOR APPLICABLE COMPONENT DETAILS



PRODUCT REVISION
 as complying with the Florida Building Code
 Acceptance No. 17-1026-19
 Expiration Date 9/30/19
 A. I. Chang
 Product Control



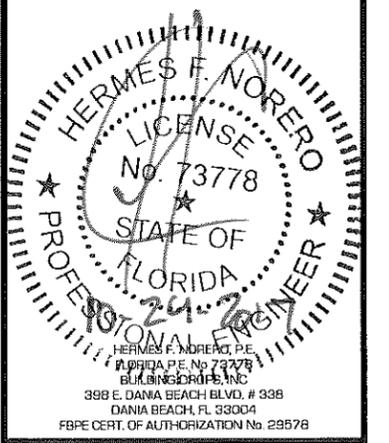
6161 EAST 75TH STREET
 INDIANAPOLIS, IN 46250
 PH: (317) 806-3288 FX: (317) 806-3337

TITLE: SERIES HC2200, HC2300, H2800 SVR AND HC2100 RIM W/ HCK822 REMOVABLE MULLION HC2100 RIM W/ HCK822 MULLION

PREPARED BY: BUILDING DROPS, INC.
 398 E. DANIA BEACH BLVD., STE. 338
 DANIA BEACH, FL 33004
 PH: (954) 399-8478
 FAX: (954) 744-4738
 WEB: www.buildingdrops.com

REMARKS	BY	DATE
5TH FBC CODE CHANGE	SM	10.2.14
6TH FBC CODE CHANGE	CL	8.24.17

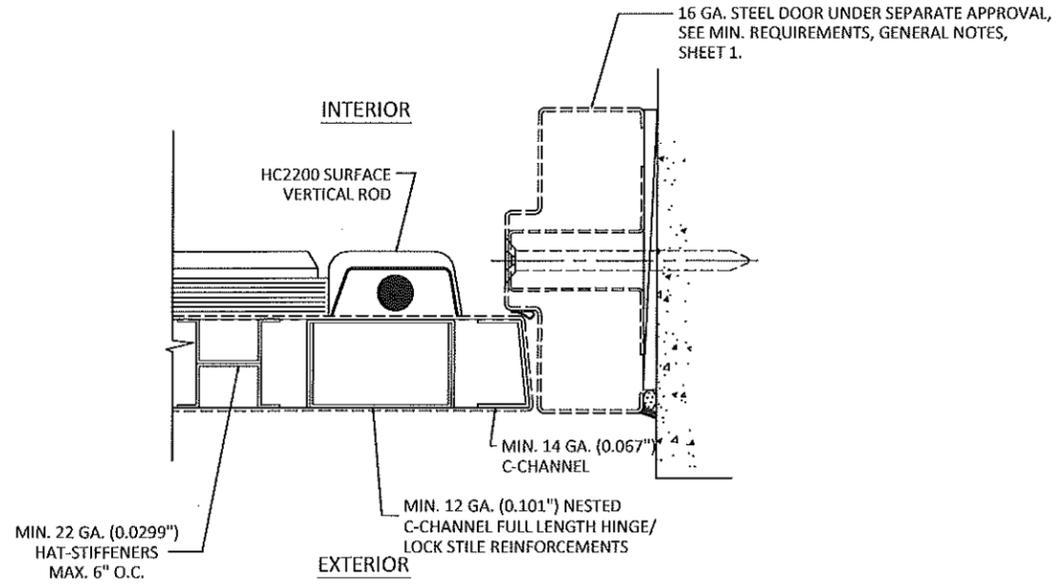
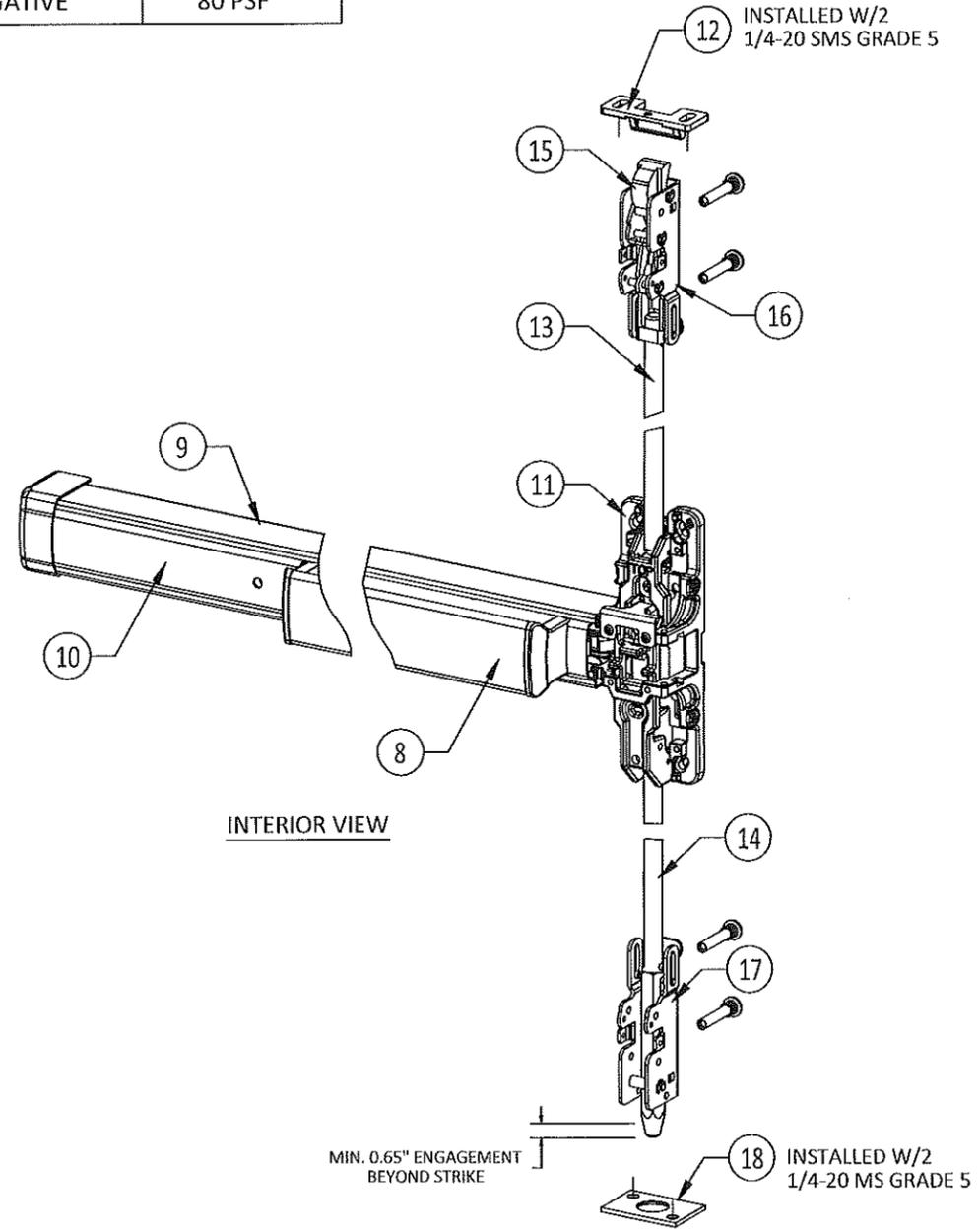
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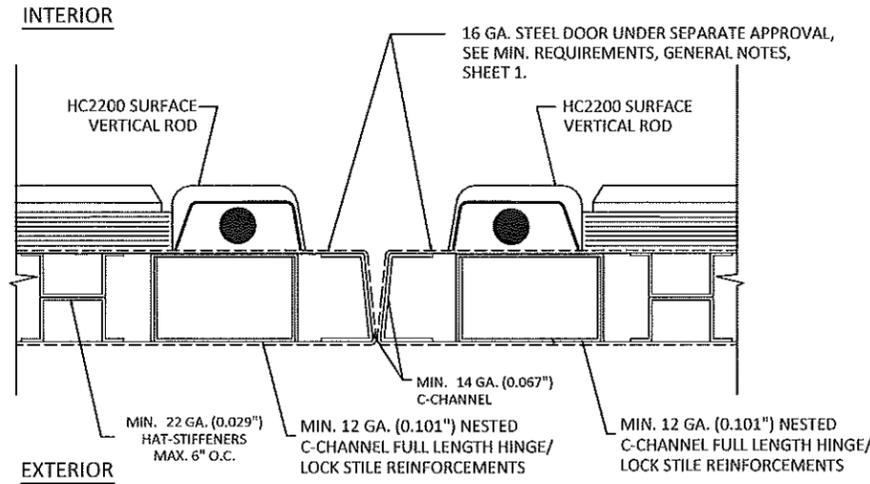
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DWG. BY:	CL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SSS009
SHEET:	3

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SERIES HC2200 SURFACE MOUNT VERTICAL ROD EXIT DEVICE (SVR)	
MAX. DESIGN PRESSURE (SINGLE OR DOUBLE DOORS)	
POSITIVE	80 PSF
NEGATIVE	80 PSF



C
4 HORIZONTAL SECTION
HC2200 SVR
SINGLE DOOR APPLICATION



D
4 HORIZONTAL SECTION
HC2200 SVR
DOUBLE DOOR APPLICATION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1026-19
Expiration Date 9/30/19
[Signature]
Product Control

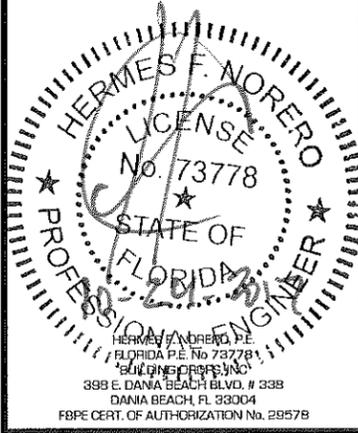


6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

TITLE:
SERIES HC2200, HC2300, HC2800 SVR AND
HC2100 RIM W/ HCX822 REMOVABLE MULL
HC2200 SURFACE VERTICAL ROD (SVR)
PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 359-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
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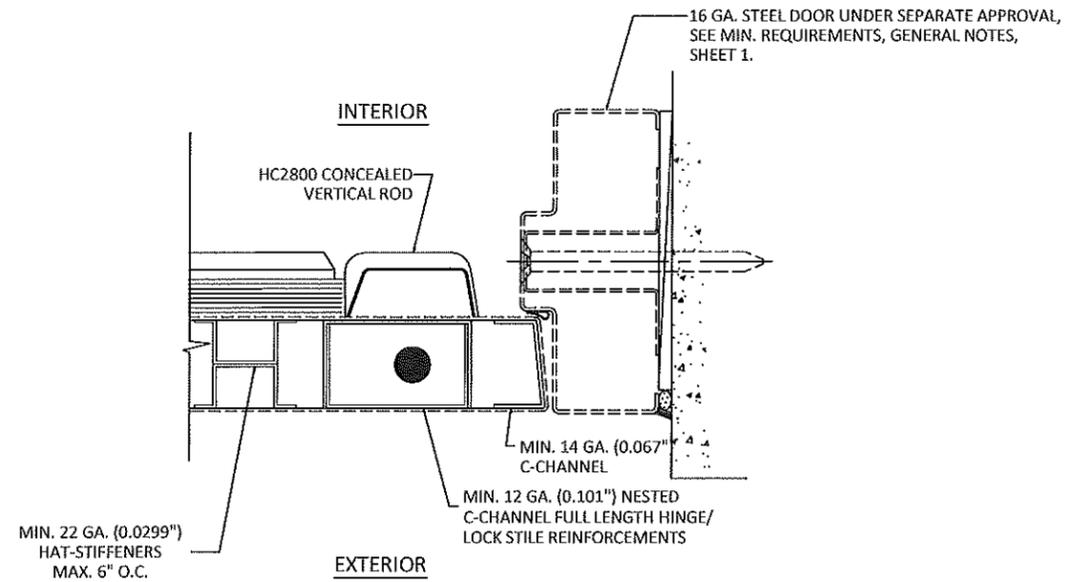
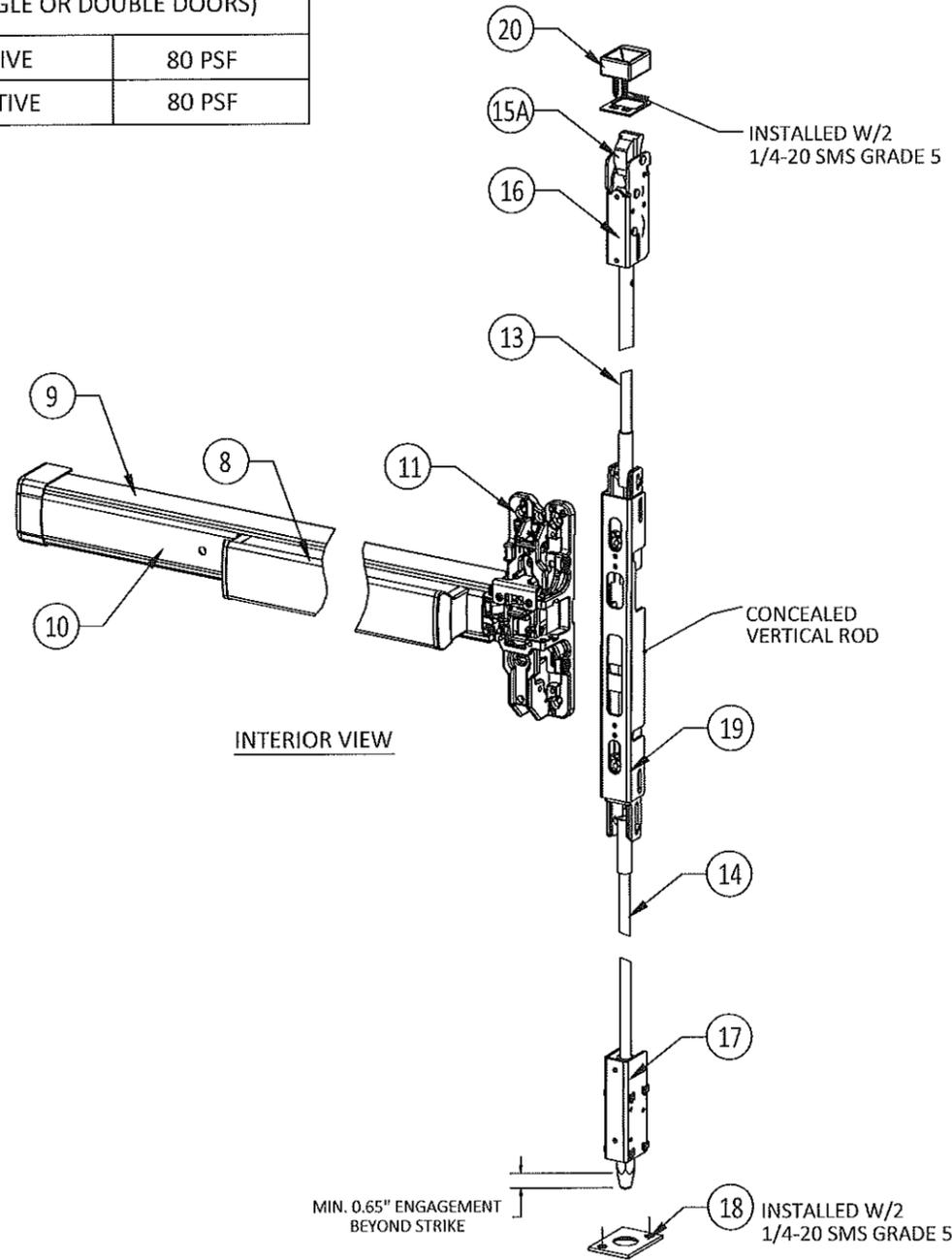
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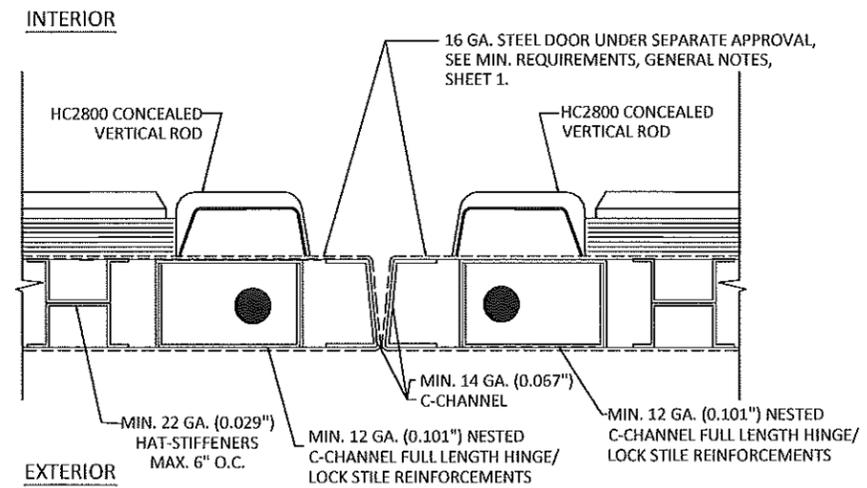
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DWG. BY:	CL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SSS009
SHEET:	4

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SERIES HC2800 CONCEALED VERTICAL ROD EXIT DEVICE (CVR)	
MAX. DESIGN PRESSURE (SINGLE OR DOUBLE DOORS)	
POSITIVE	80 PSF
NEGATIVE	80 PSF



E
5 HORIZONTAL SECTION
HC2800 CVR
SINGLE DOOR APPLICATION



F
5 HORIZONTAL SECTION
HC2800 CVR
DOUBLE DOOR APPLICATION

PRODUCT REVISION
as complying with the Florida Building Code
Acceptance No. 17-1026-19
Expiration Date 4/30/19
Isabel Chan
Product Control

STANLEY
Security Solutions

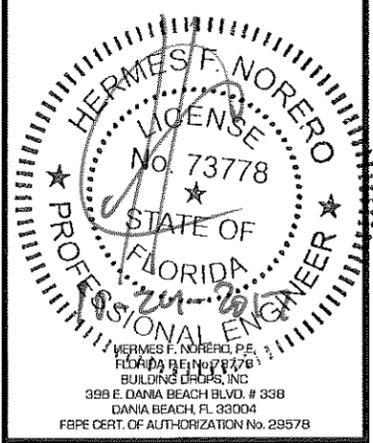
6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

TITLE:
SERIES HC2200, HC2300, HC2800 SVR AND HC2100 RIM W/ HCX822 REMOVABLE MULL
HC2800 CONCEALED VERTICAL ROD (CVR)

PREPARED BY:
BUILDING DROPS, INC.
988 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 398-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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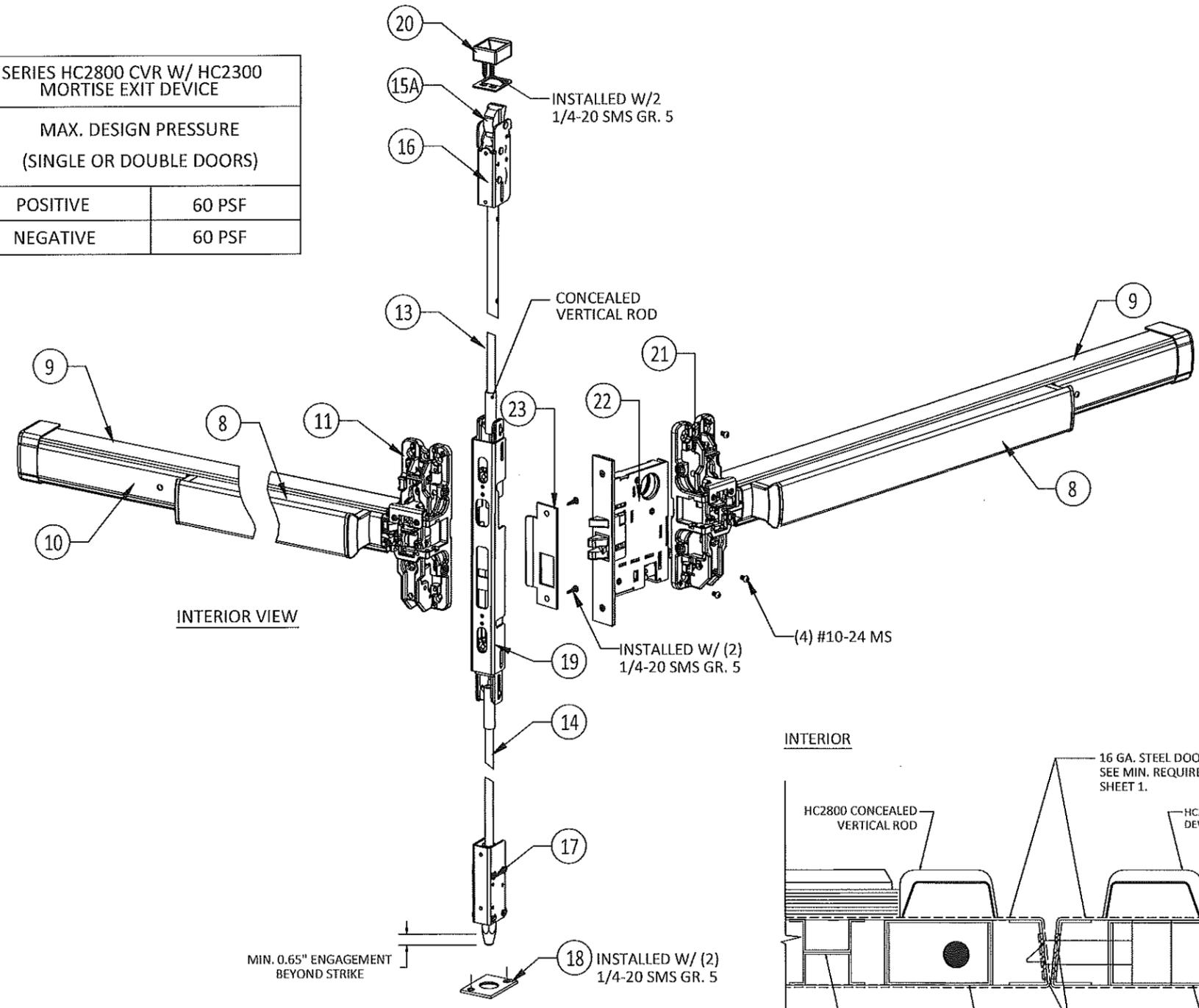


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CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SSS009
SHEET:	5

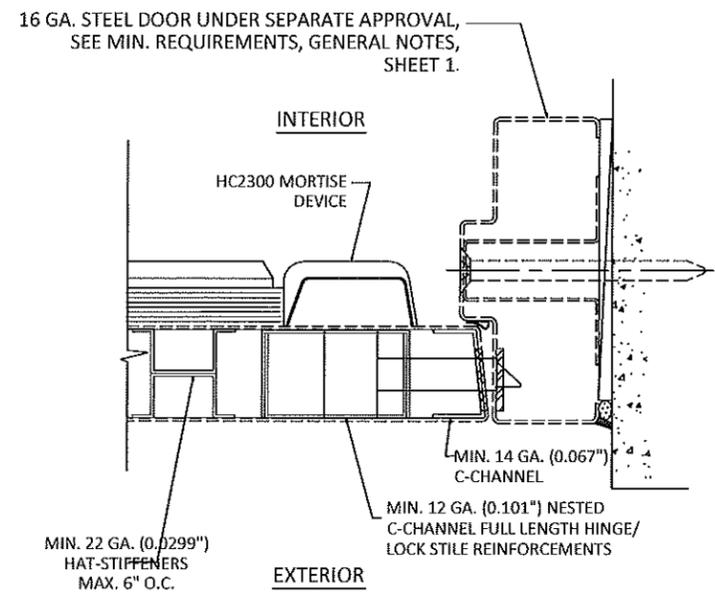
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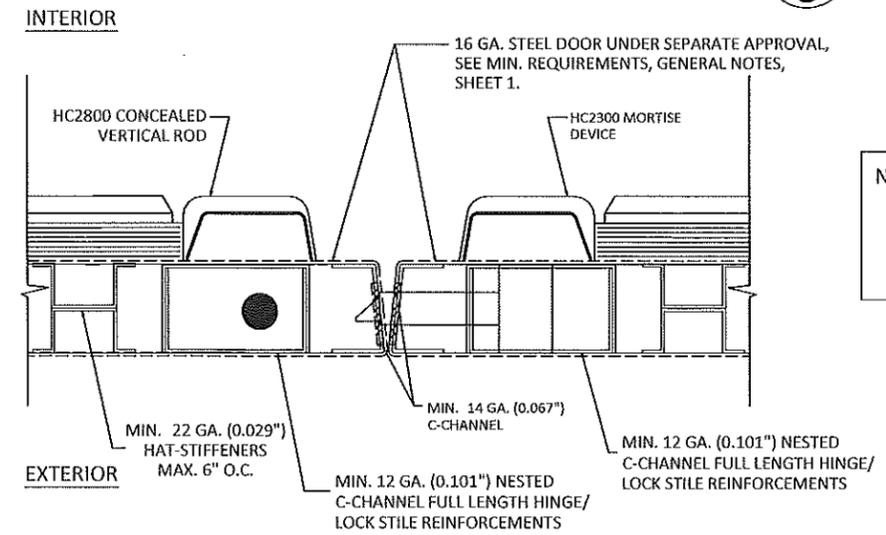
SERIES HC2800 CVR W/ HC2300 MORTISE EXIT DEVICE	
MAX. DESIGN PRESSURE (SINGLE OR DOUBLE DOORS)	
POSITIVE	60 PSF
NEGATIVE	60 PSF



INTERIOR VIEW



G HORIZONTAL SECTION
6 HC2300 MORTISE DEVICE
SINGLE DOOR APPLICATION



H HORIZONTAL SECTION
6 HC2800 CVR W/ HC2300 MORTISE DEVICE
DOUBLE DOOR APPLICATION
OR HC2800 CVR ON SINGLE OR BOTH DOOR PANELS

NOTE: HC2300 MORTISE PANIC EXIT MUST BE USED IN COMBINATIONS WITH HC2800 CVR WHEN USED IN DOUBLE DOOR APPLICATIONS.

PRODUCT REVISION
as complying with the Florida
Building Code
Acceptance No. 17-1026-19
Expiration Date 9/30/19
D. Ishag I. Chaudhry
Manufacturing Product Control

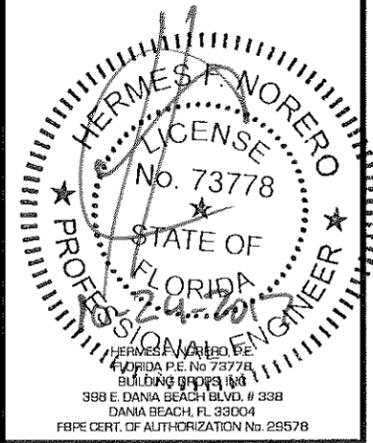
STANLEY
Security Solutions

6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

TITLE: SERIES HC2200, HC2300, H2800 SVR AND HC2100 RIM W/ HCK822 REMOVABLE MULL
HC2800 CVR W/ HC2300 MORTISE
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 859-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

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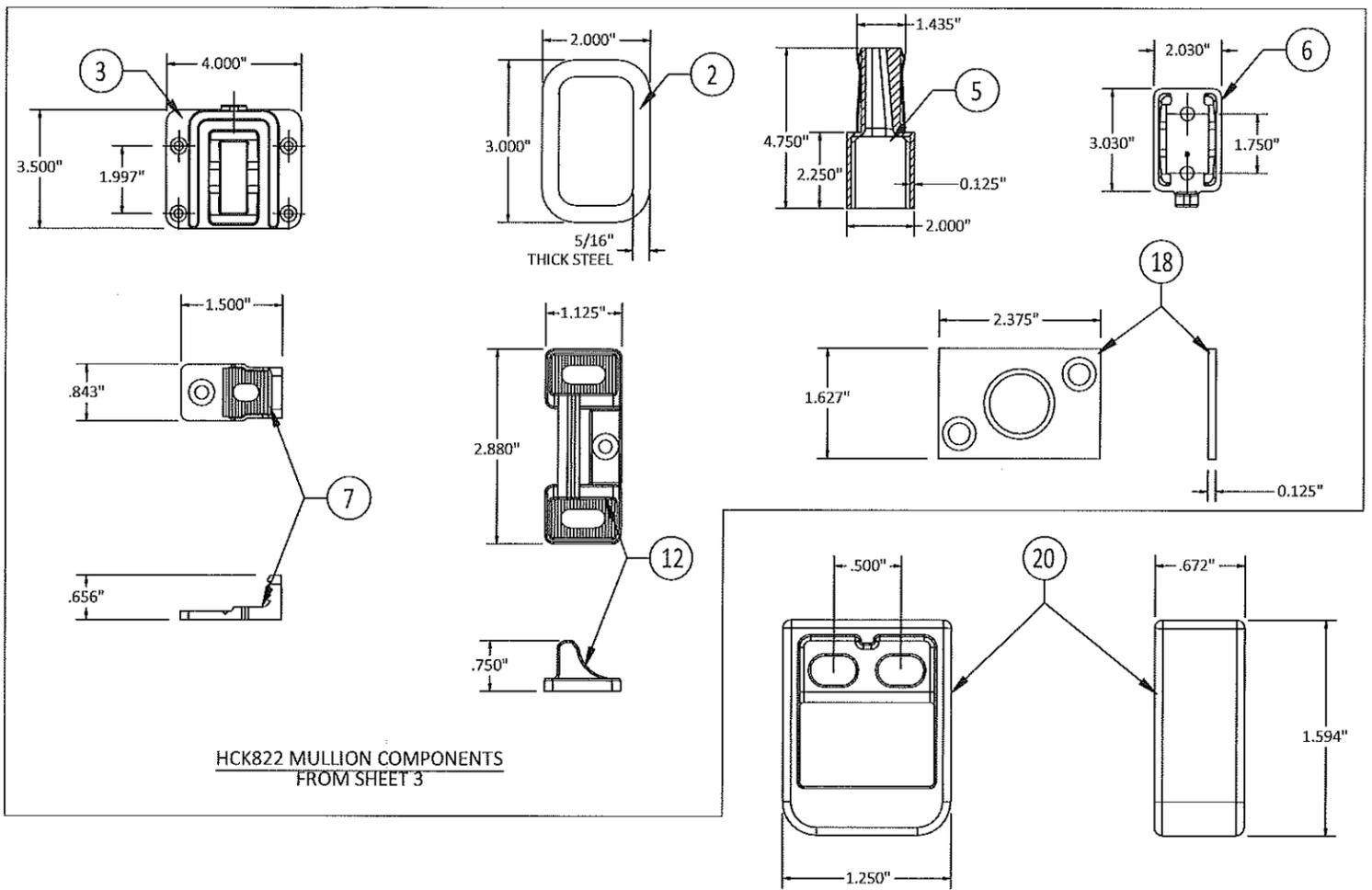
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

DATE:	08.24.17
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SCALE:	NTS
DWG. #:	SSS009
SHEET:	6

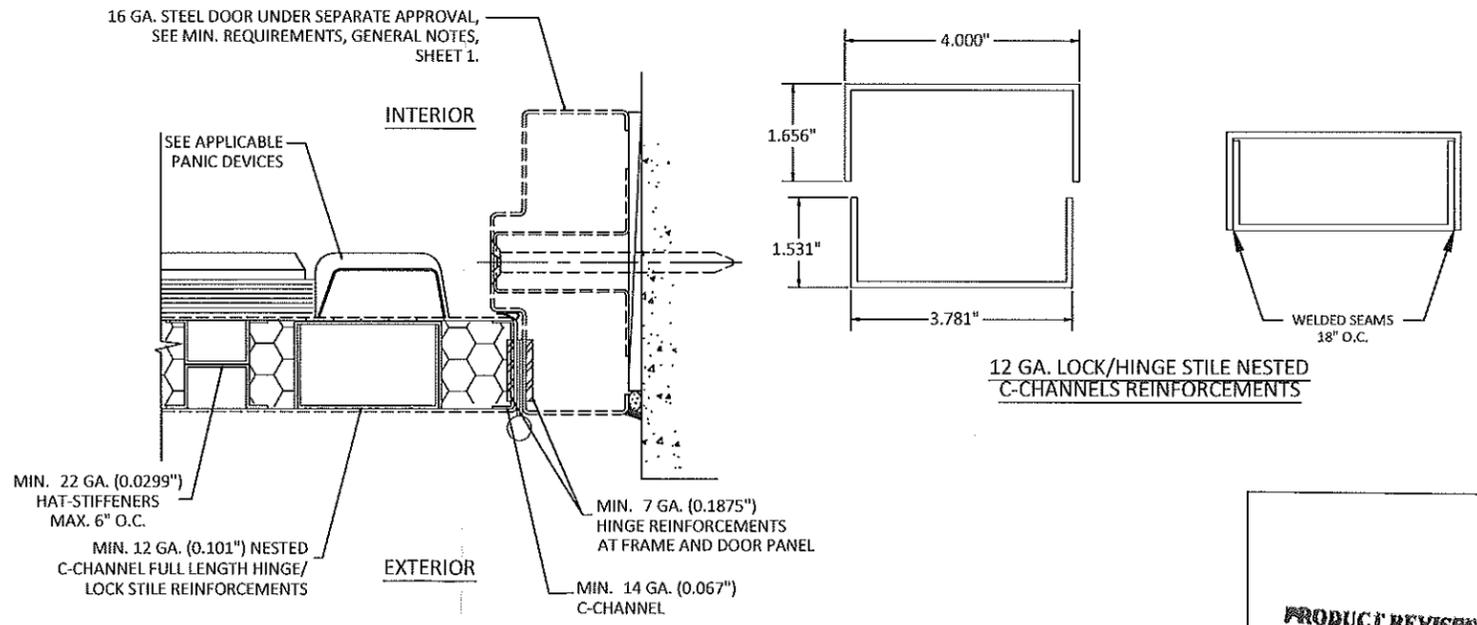
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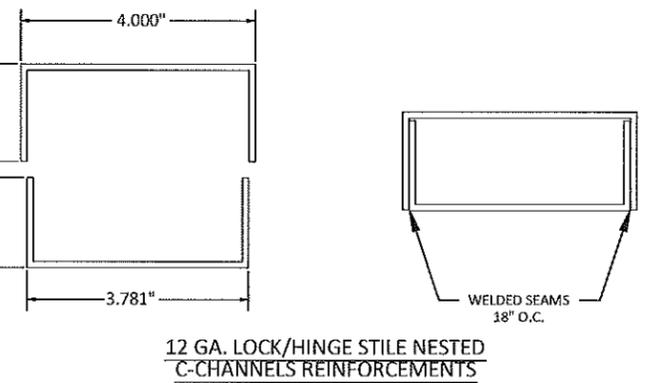
Item No.	QTY.	Description	Part No.	Series
1	1	3/4 THROW DEADLOCKING LATCHBOLT		HC2100
2	1	HC822 STEEL MULLIONS (ASTM-A500 STEEL GRADE B OR HIGHER STRENGTH MATERIAL) W/(4) 1/4-20 SS FLAT HEAD SCREWS		HC2100
3	1	HCK822 MULLION CAP W/(1) 1/4-20 SET SCREW & (4) 1/4-20 GR. 5 MACHINE SCREWS		HC2100
4		HCKR822 MULLION ALTERNATE CAP W(4) 1/4-20 GR. 5 MACHINE SCREWS		HC2100
5	2	MULLION FITTING ADAPTER TOP/BOTTOM		HC2100
6	1	MULLION STILL BASE W/ (2) 3/8 HILTI KWIK BOLT 3 EXPANSION ANCHORS W/ 2 5/16" EMB. INTO CONCRETE & (1) 1/4-20 SET SCREW		HC822
7	1	INTERLOCKING ANGLE W/(1) 1/4-20 & (1) #10-24 MACHINE SCREWS S216	S216	HC2100
8	1	TOUCHBAR ASSEMBLY		HC2100, HC2200, HC2300, HC2800
9	1	DEVICE CHANNEL		HC2100, HC2200, HC2300, HC2800
10	1	HINGE FILLER		HC2100, HC2200, HC2300, HC2800
11	1	ACTIVE CASE W/(4) #10-24 MACHINE SCREWS		HC2100, HC2200, HC2300, HC2800
12	1	STRIKE W/(2) 1/4-20 & (1) 10-24 MACHINE SCREW	S300	HC2100, HC2200
13	1	TOP TOD		HC2200, HC2800
14	1	BOTTOM ROD		HC2200, HC2800
15	1	DEADLOCKING LATCHBOLT W(2) 1/4-20 MACHINE SCREWS & SEX BOLTS		HC2200
15A	1	DEADLOCKING LATCHBOLT W(2) 10-24 MACHINE SCREWS		
16	1	TOP LATCH ASSEMBLY		HC2800
17	1	BOTTOM BOLT ASSEMBLY		HC2200, HC2800
18	1	BOTTOM STRIKE W/(2) 3/8 X 2 1/4" STUD ANCHORS	S460	HC2200, HC2800
19	1	CENTER CHASSIS		HC2800
20	1	TOP STRIKE W(2) #10-24 MACHINE SCREWS	S519	HC2800
21	1	MORTISE ACTIVE CASE W(4) #10-24, (2) 1/4-20 GR. 5 MACHINE SCREWS (SINGLE DOOR ONLY)		HC2300
22	1	MORTISE CASE		HC2300
23	1	STRIKE - MORTISE CURVED LIP W/ (2) 1/4-20 SMS GR. 5		HC2300



HCK822 MULLION COMPONENTS FROM SHEET 3



1 HORIZONTAL SECTION
7 TYPICAL HINGE STYLE CONSTRUCTION



12 GA. LOCK/HINGE STILE NESTED C-CHANNELS REINFORCEMENTS

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 17-1026-19
Expiration Date 5/31/19
Iskang I. Chandra
Product Control

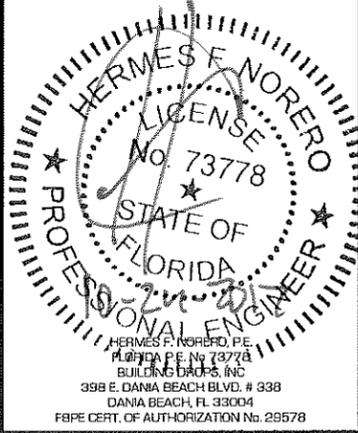
STANLEY
Security Solutions

6161 EAST 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288 FX: (317) 806-3337

TITLE: SERIES HC2200, HC2300, HC2800 SVR AND HC2100 RIM W/ HCK822 REMOVABLE MULL BOM & COMPONENTS
PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-6478
FAX: (954) 744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
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6TH FBC CODE CHANGE	CL	8.24.17

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DATE:	08.24.17
DWG. BY:	CL
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	SSS009
SHEET:	7



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Quality Engineered Products Co., Inc.
 4506 Quality Lane
 Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HMF" 16 ga Outswing Full Louvered Commercial Steel Door-Impact

APPROVAL DOCUMENT: Drawing No. QEP005, titled "Full Louvered Steel Doors", sheets 1 through 7 of 7, prepared by manufacturer, dated 01/31/18, signed and sealed by Cody Davis, P. E. , bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Not approved where Air & Water infiltration is needed.
2. Doors are 16 ga (min .063" thk) with min CS Tensile yield strength $F_y = 46.3$ ksi and Tensile ultimate strength $F_u = 52.1$ Ksi and SS Tensile yield strength $F_y = 50.5$ ksi and Tensile ultimate strength $F_u = 98.5$ Ksi

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 15-0422.11 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 17-1102.09
 Expiration Date: October 28, 2019
 Approval Date: March 01, 2018
 Page 1

✕
 2/22/18

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence previously submitted

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files below)
2. Drawing No. **QEP005**, titled "Full Louvered Steel Door", sheets 1 through 7 of 7, prepared by manufacturer, dated 02/26/16, with Revision 1 dated 02/26/16, signed and sealed by Cody Davis, P. E.

B. TESTS (Submitted under files #15-0422.11/#14-1015.05/#09-0812.17/ #04-0823.03)

1. Test reports on 1) Air Infiltration Test, per FBC TAS 202-94 (Not Performed)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202.
3) Water Resistance Test per FBC TAS 202-94 (Not Performed).
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of double Outswing full louvered Commercial Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1255-W-R**, w/ revision dated September 14, 2004 (original test report dated July 28, 2004), signed and sealed by Ramesh Patel, P. E.)

Along with marked-up drawings and installation diagram of double Outswing Flush Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1998W**, dated 04/06/10, signed and sealed by Ramesh Patel, P. E.

C. CALCULATIONS

1. Anchor verification calculations, dated 05/17/16, prepared, signed and sealed Cody Davis, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTLA114W)**, tested per ASTM E-A370-97, dated December 02,2003, signed and sealed by Ramesh Patel, P. E. (Submitted under file # **09-0812.17**)
2. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 0638K (CTLA1255W)**, tested per ASTM E-A370-97, dated 09/13/04, signed and sealed by Ramesh Patel, P. E.
3. Notice of Acceptance No. **11-0926.07** issued to Dyplastic Products, LLC (former Apache Products Co) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2017.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2014, 5th edition and "No financial interest", issued, prepared, signed, sealed and dated 05/31/16 by Cody Davis, P. E.
2. Statement letter dated 05/31/16 of successor engineer adopting as his own, another engineer's work per FAC, Rule Chapter 61G15-27, issued by Master Consulting Engineers, Inc., both signed and sealed by Cody Davis, P. E.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1102.09
Expiration Date: October 28, 2019
Approval Date: March 01, 2018

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This revises & renews NOA # 14-1015.05, expiring October 28, 2019.

2. New Evidence submitted.

A. DRAWINGS

1. Drawing No. QEP005, titled "Full Louvered Steel Doors", sheets 1 through 7 of 7, prepared by manufacturer, dated 01/31/18, signed and sealed by Cody Davis, P. E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 17-1207.05 issued to Dyplastic Products, LLC (former Apache Products Co) for "E& R-Board Expanded Polystyrene rigid Foam Insulation", expiring on 01/11/2022.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 12/01/17, prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E.

H. OTHER

1. This NOA revises # 15-0422.10, expiring 12/30/19.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 17-1102.09

Expiration Date: October 28, 2019

Approval Date: March 01, 2018

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. 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 (ALUMINUM OR SS).
5. FOR JAMB INSTALLATION INTO WOOD FRAMING USE 3/8 INCH DIAMETER WOOD LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 2 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. WOOD LAG SCREWS TO BE USED IN 3/4 INCH EMT PIPE SLEEVE.
6. FOR JAMB INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/8 INCH DIAMETER DYNABOLT SLEEVE ANCHOR BY ITW/REDHEAD OF SUFFICIENT LENGTH TO ACHIEVE 2 3/8 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION INTO STRUCTURAL STEEL, USE 3/8"Ø SCREW THRU EMT PIPE SLEEVE CONFORMING TO SAE GRADE 2 OR EQUAL. MINIMUM MATERIAL THICKNESS = 3/8" THICK CONFORMING TO A36 STEEL.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. 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.
11. 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.
12. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - C. GROUTED MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, NORMAL WEIGHT w/ 2 KSI STRENGTH. GROUT SHALL BE MIN. 3000 PSI.
 - D. STRUCTURAL STEEL- MEMBER TO COMPLY WITH AISC 360. ADEQUACY OF METAL STRUCTURE TO BE REVIEWED BY BUILDING OFFICIAL.

QUALITY ENGINEERED PRODUCTS

FULL LOUVERED COMMERCIAL STEEL DOOR (OUTSWING)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE FBC 6TH EDITION (2017), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING: TAS 201-94/TAS 202-94 (STRUCTURAL ONLY)/TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY, STRUCTURAL STEEL AND 2X FRAMING AS A HVHZ-ZONE 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.
3. 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 THE PROJECT OF INSTALLATION.
4. RECORD FOR 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.
5. THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR AND DOOR FRAME MATERIAL: 16 GA. OR 14 GA. STEEL MEETING FyMIN=46.3KSI; FuMIN=52.1KSI OR STAINLESS STEEL FyMIN=50.5 KSI; FuMIN=98.5KSI. MIL-CERTIFICATE REQUIRED FOR VERIFICATION OF AVAILABLE STRENGTH.
7. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: FIXED PANEL

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATIONS & DETAILS
3	-	ANCHOR LAYOUTS
4	-	VERTICAL SECTIONS & DETAILS
5	-	VERTICAL SECTIONS & DETAILS
6	-	HORIZONTAL SECTION, BILL OF MATERIALS & DETAILS
7	-	DETAILS

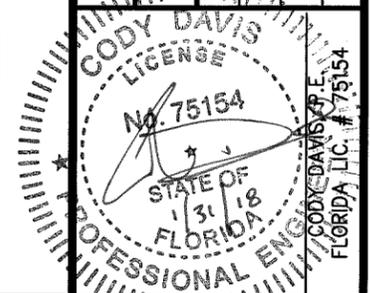
DESIGN PRESSURE RATING (OUTSWING DOORS WITH LOUVERS)			
	WHERE AIR AND WATER FILTRATION REQUIREMENT IS <u>NOT</u> NEEDED	WHERE AIR AND WATER FILTRATION REQUIREMENT IS NEEDED	MISSILE IMPACT RATING
POSITIVE	+70.0 PSF	NOT APPROVED	LARGE AND SMALL IMPACT RATED
NEGATIVE	-70.0 PSF	NOT APPROVED	LARGE AND SMALL IMPACT RATED

Quality Engineered Products Co., Inc.

4506 QUALITY LN.
TAMPA, FL 33634
PH: (813) 885-1693 FX: (813) 884-2673

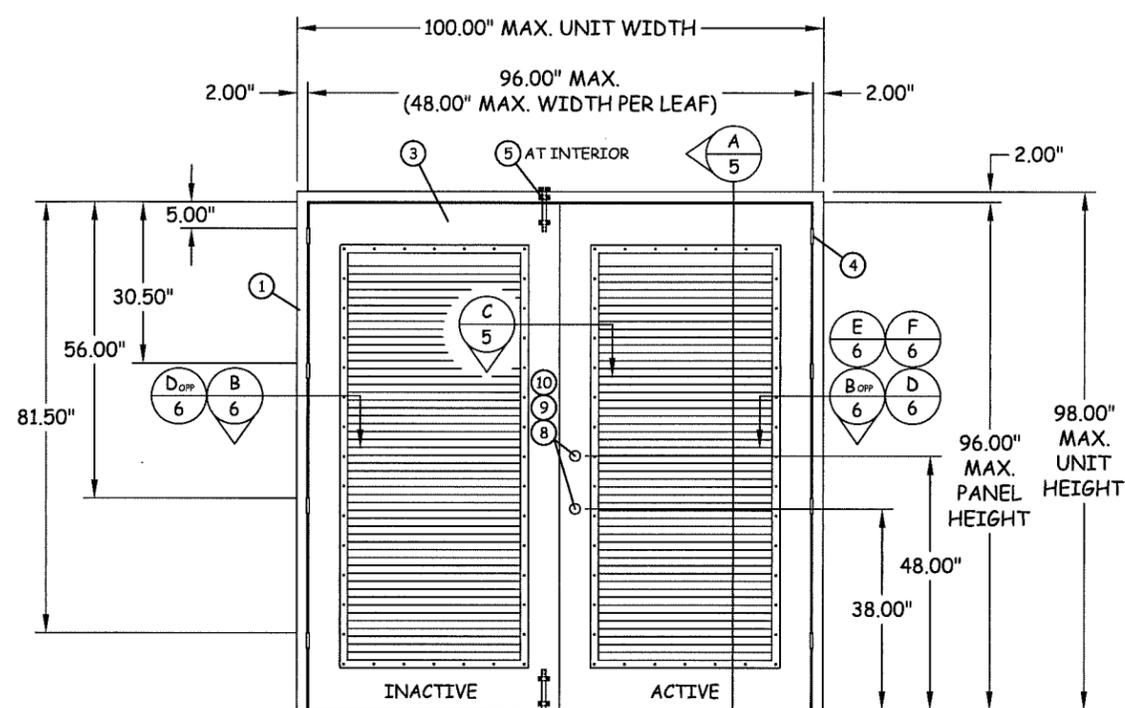
TITLE: FULL LOUVERED STEEL DOOR INSTALLATION & GENERAL NOTES
 PREPARED BY: Quality Engineering Products, INC., 4506 Quality Lane, Tampa, FL, FL 33684
 PH: (813) 885-1693 FX: (813) 644-2366

REVISIONS	DESCRIPTION	BY	DATE
	2014 FBC	CD	02.26.16

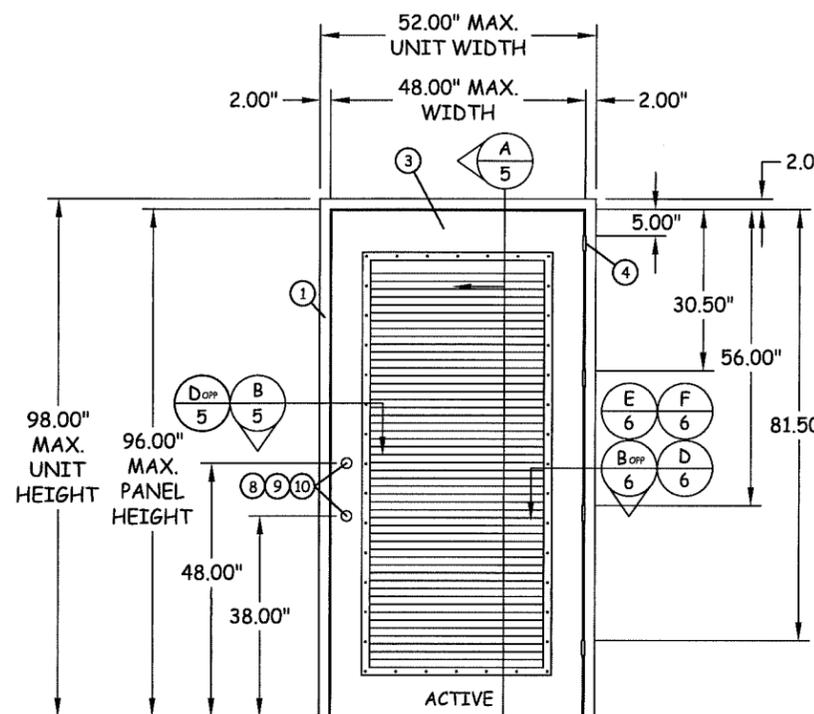


PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 17-1102.09
 Expiration Date OCT 28, 2019
 [Signature]
 Quality Engineering Products, Inc.

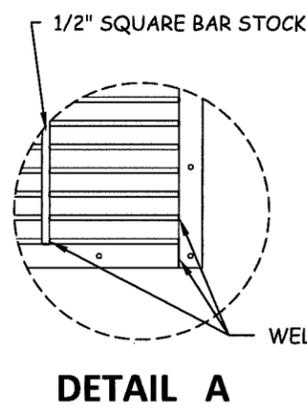
DATE: 02.26.16
 DWN BY: JLR
 CHK BY: CCD
 SCALE: NTS
 DWG #: QEP005
 SHEET: 1 OF 7



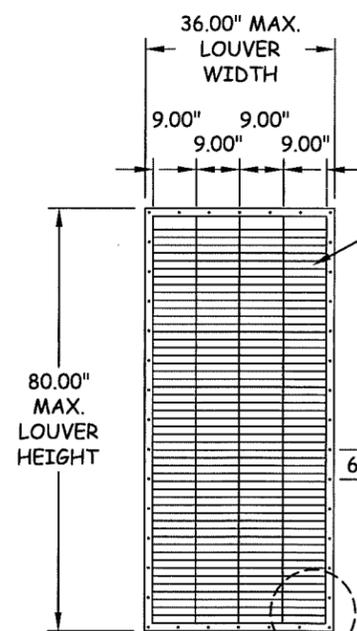
EXTERIOR ELEVATION
OUTSWING DOOR



EXTERIOR ELEVATION
OUTSWING DOOR



DETAIL A



INTERIOR VIEW
LOUVER

(3) PIECES, EACH LOUVER, 1/2" SQUARE BAR STOCK FROM TAMPA STEEL & SUPPLY WELDED TO LOUVER FRAME AND TACK WELDED TO EACH LOUVER BLADE

EACH LOUVER ATTACHED TO THE DOOR WITH (38) #6 X 1/2" SQUARE DRIVE SCREWS
14 - (LEFT)
14 - (RIGHT)
5 - (TOP)
5 - (BOTTOM)

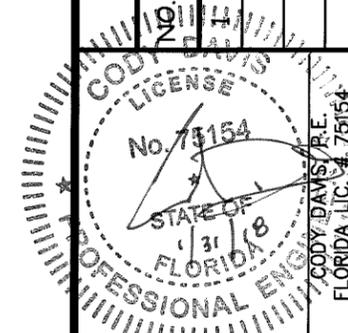
SEE DETAIL A

TITLE:
FULL LOUVERED STEEL DOOR
ELEVATIONS & DETAILS

PREPARED BY:
Quality Engineering Products,
INC.,
4506 Quality Lane
Tampa, FL 33684
PH: (813) 885-1693 FX: (813) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16



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Building Code
Acceptance No. 17-1102.09
Expiration Date 10/28/19

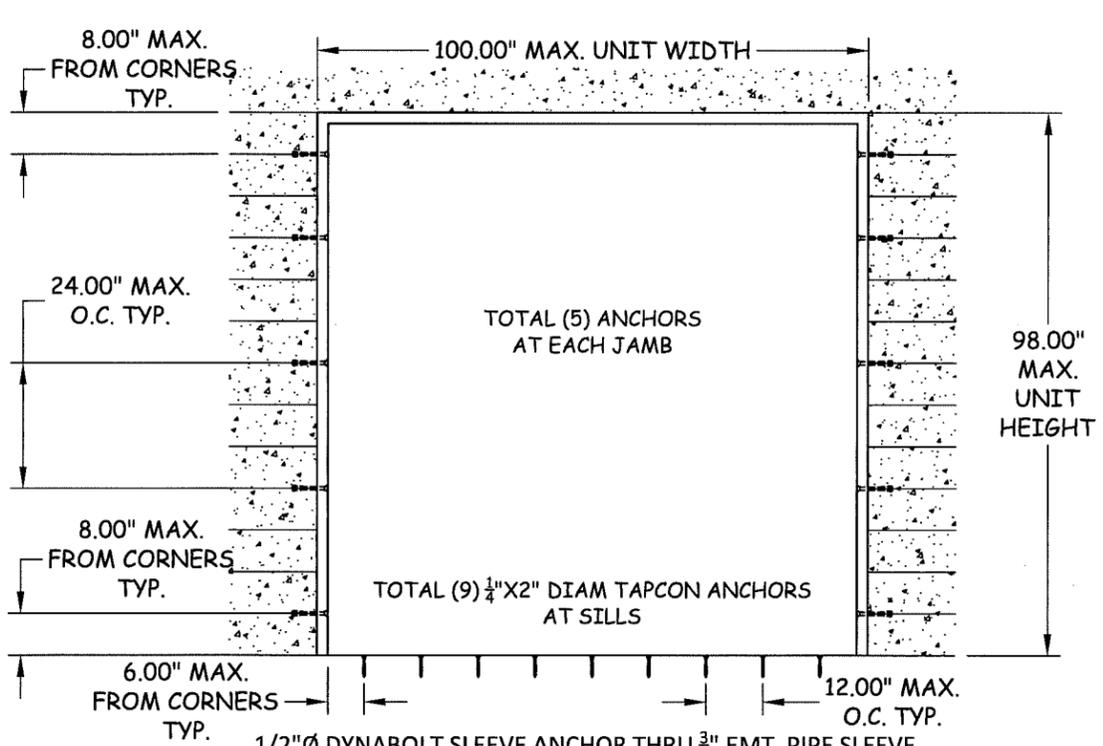
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DWN BY: JLR
CHK BY: CCD
SCALE: NTS

DWG #: **QEP005**
SHEET: **2 OF 7**

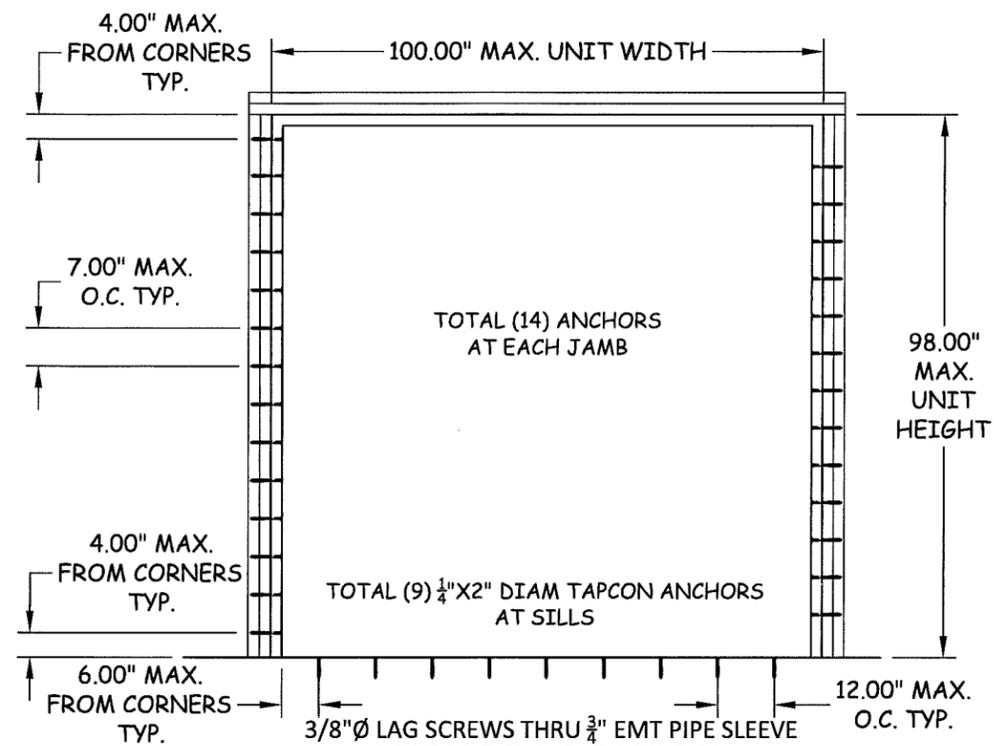
Quality
Engineered
Products Co., Inc.

4506 QUALITY LN.
TAMPA, FL. 33634
PH: (813) 885-1693 FX: (813) 884-2673

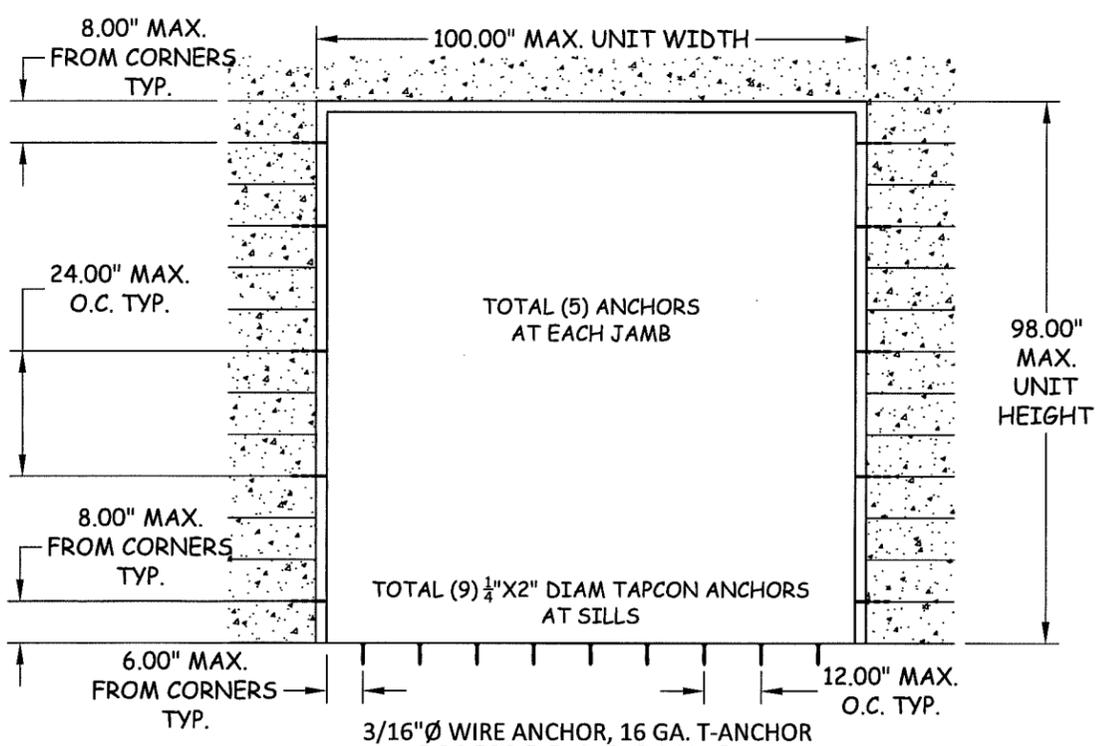
TITLE: FULL LOUVERED STEEL DOOR ANCHOR LAYOUTS
PREPARED BY: Quality Engineering Products, INC., 4506 Quality Lane, Tampa, FL, 33684
PH: (813) 885-1693 FX: (813) 644-2366



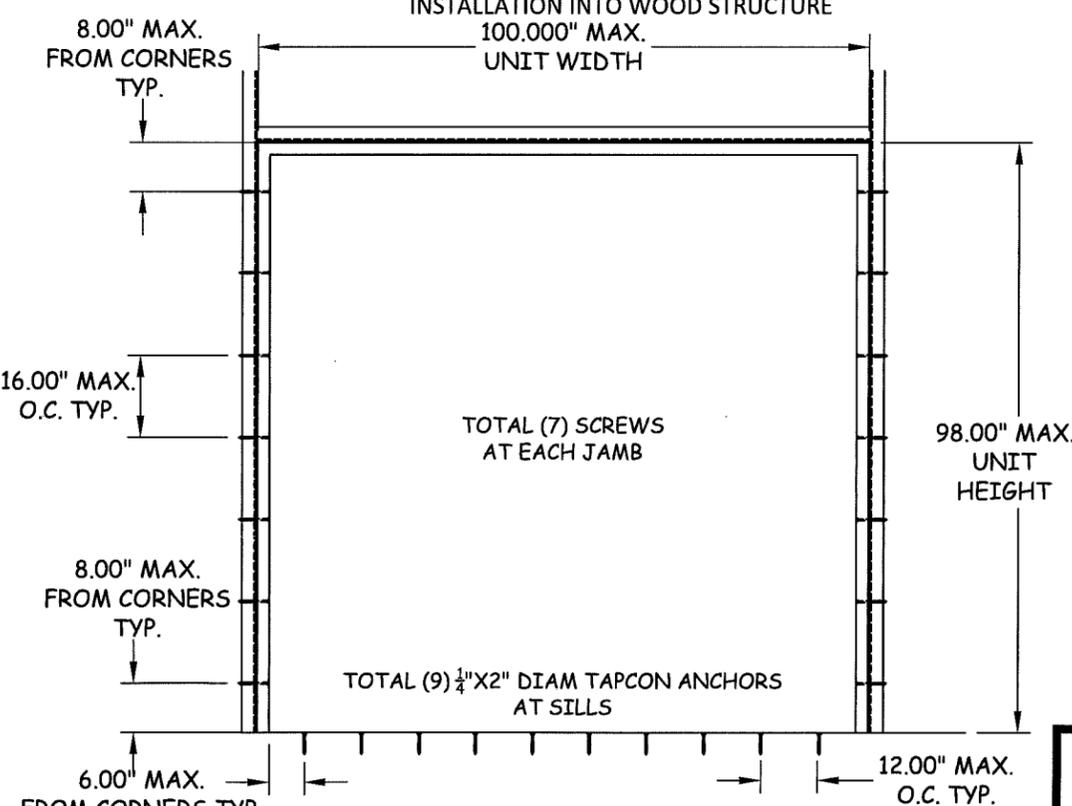
ANCHOR LOCATION
INSTALLATION INTO MASONRY (GROUT FILLED BLOCKS)
OR CONCRETE



ANCHOR LOCATION
INSTALLATION INTO WOOD STRUCTURE



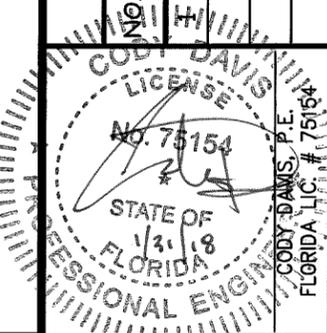
ANCHOR LOCATION
INSTALLATION INTO MASONRY
(GROUT FILLED BLOCKS)



ANCHOR LOCATION
INSTALLATION INTO STRUCTURAL STEEL

ANCHORS FOR DOUBLE 100"W X 98"H UNITS
OR
ANCHORS FOR SINGLE 52"W X 98"H UNITS

REVISIONS	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1102.69
Expiration Date 10/25/19
A. Ishag, I. Chandra
Quality Engineering Products Co., Inc.

DATE:	02.26.16	DWN BY:	JLR	CHK BY:	CCD	SCALE:	NTS
DWG #:	QEP005						
SHEET:	3 OF 7						

TITLE: FULL LOUVERED STEEL DOOR
VERTICAL SECTIONS &
DETAILS

PREPARED BY:
Quality Engineering Products,
INC.,
4506 Quality Lane
Tampa, FL 33684
PH: (813) 885-1693 FX: (813) 644-2366

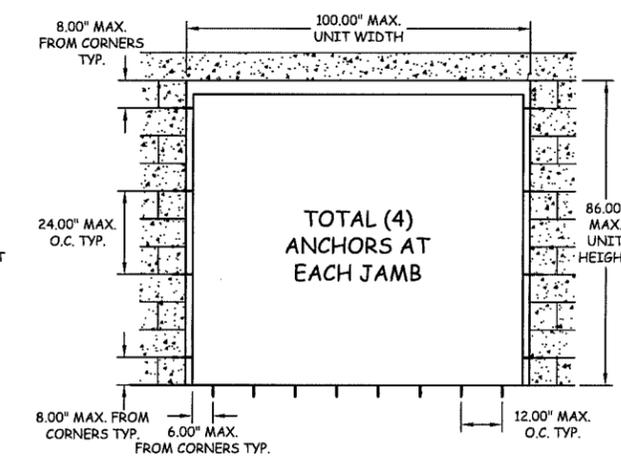
REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16

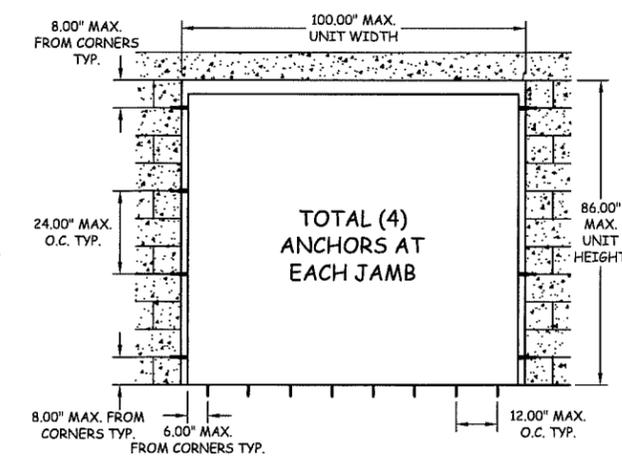
PROFESSIONAL ENGINEER
CODY DAVIS, P.E.
LICENSE No. 75154
STATE OF FLORIDA
1/31/18
CODY DAVIS, P.E.
FLORIDA LIC. # 75154

DATE: 02.26.16
DWN BY: JLR
CHK BY: CCD
SCALE: NTS
DWG #: QEP005
SHEET: 4 OF 7

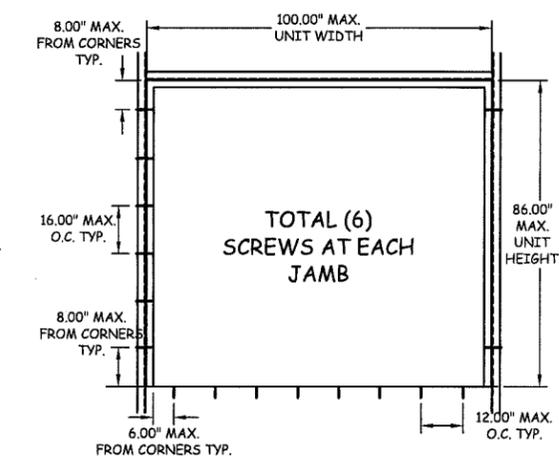
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1102.09
Expiration Date 10/28/19
Ishag I. Chaudhry
Manufacturing Product Control



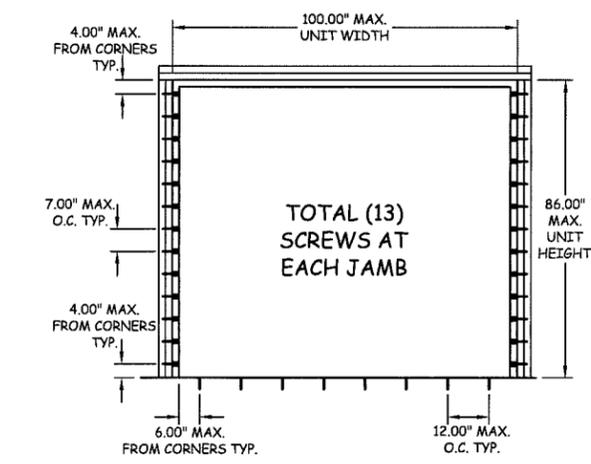
ANCHOR LOCATION
INSTALLATION INTO EXIST. MASONRY
(GROUT FILLED BLOCKS)



ANCHOR LOCATION
INSTALLATION INTO EXIST. MASONRY (GROUT FILLED BLOCKS)
OR CONCRETE

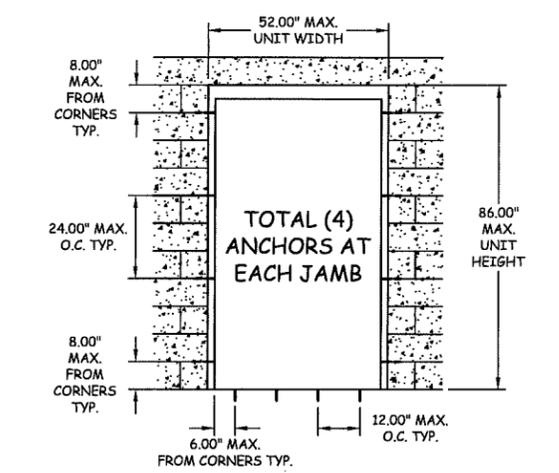


ANCHOR LOCATION
INSTALLATION INTO STRUCTURAL STEEL

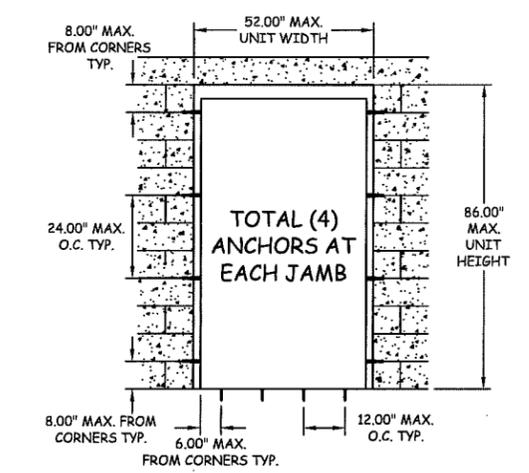


ANCHOR LOCATION
INSTALLATION INTO WOOD STRUCTURE

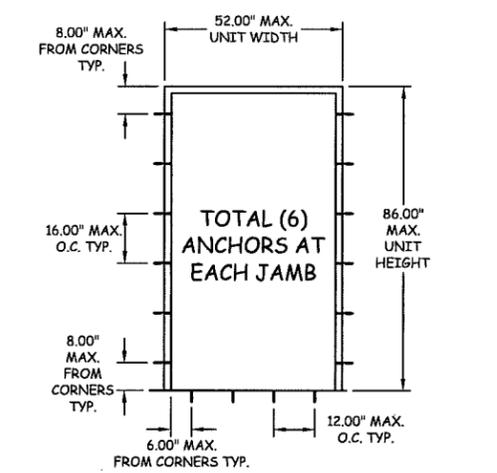
ANCHORS FOR DOUBLE 100"W X 98"H UNITS



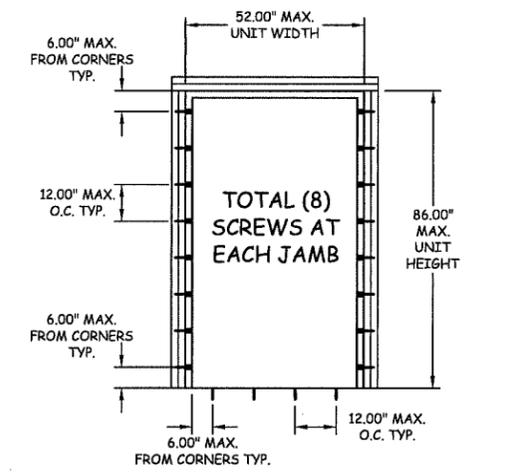
ANCHOR LOCATION
INSTALLATION INTO EXIST. MASONRY
(GROUT FILLED BLOCKS)



ANCHOR LOCATION
INSTALLATION INTO EXIST. MASONRY (GROUT FILLED BLOCKS)
OR CONCRETE



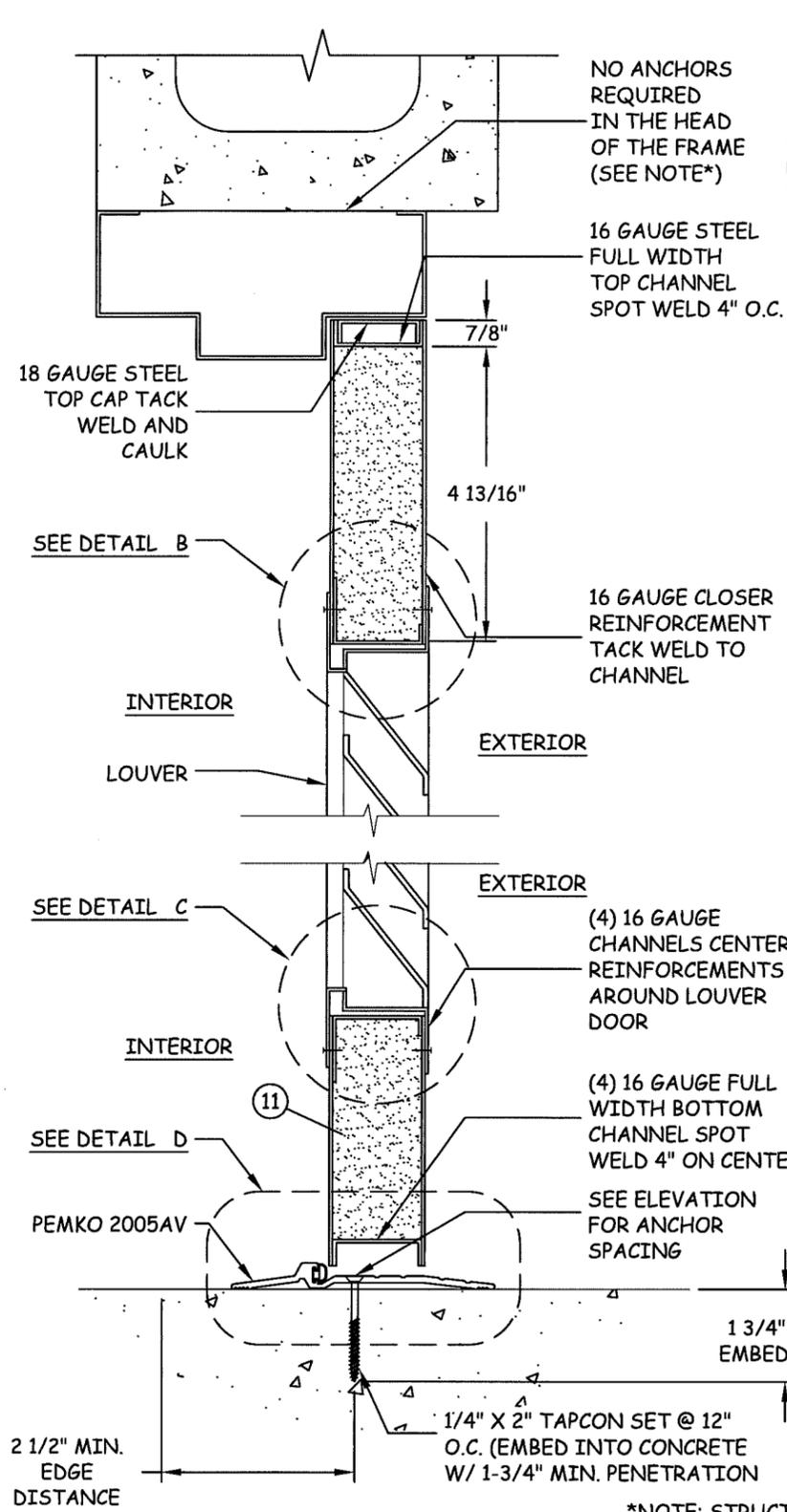
ANCHOR LOCATION
INSTALLATION INTO STRUCTURAL STEEL



ANCHOR LOCATION
INSTALLATION INTO WOOD STRUCTURE

ANCHORS FOR SINGLE 52"W X 86"H UNITS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1102.09
Expiration Date 10/28/19
Ishag I. Chaudhry
Manufacturing Product Control



NO ANCHORS
REQUIRED
IN THE HEAD
OF THE FRAME
(SEE NOTE*)

16 GAUGE STEEL
FULL WIDTH
TOP CHANNEL
SPOT WELD 4\"/>

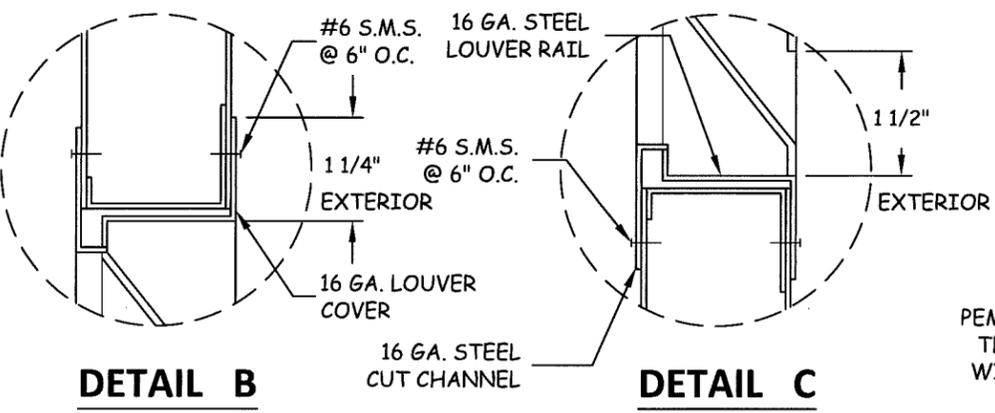
16 GAUGE CLOSER
REINFORCEMENT
TACK WELD TO
CHANNEL

(4) 16 GAUGE
CHANNELS CENTER
REINFORCEMENTS
AROUND LOUVER
DOOR

(4) 16 GAUGE FULL
WIDTH BOTTOM
CHANNEL SPOT
WELD 4\"/>

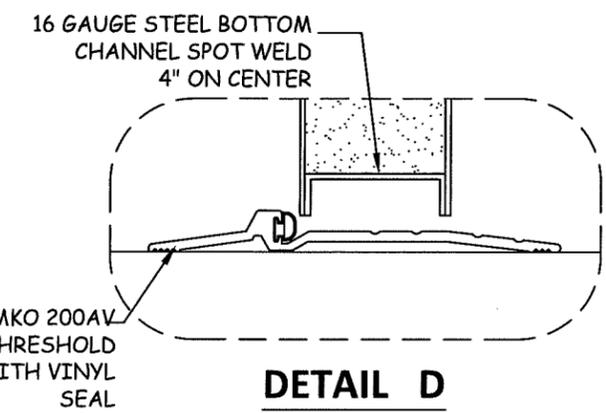
SEE ELEVATION
FOR ANCHOR
SPACING

*NOTE: STRUCTURAL MEMBER
AT HEADER MUST DESIGN TO
CARRY 179 #/FT LOAD AND MUST
BE REVIEWED BY BUILDING OFFICIAL

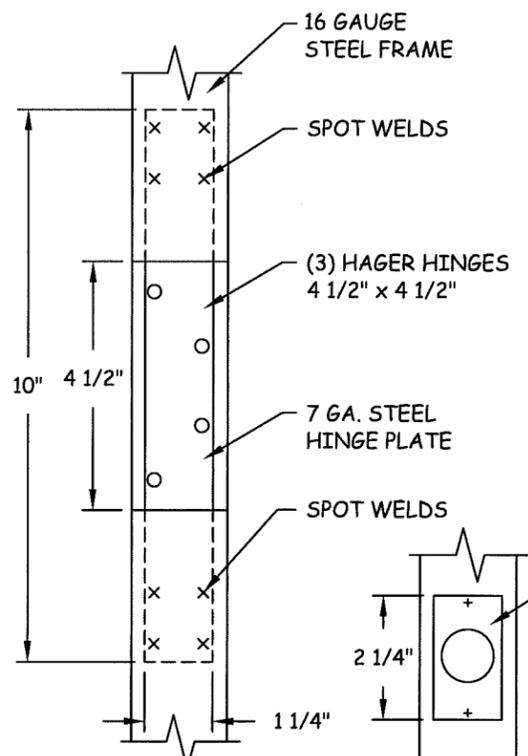


DETAIL B

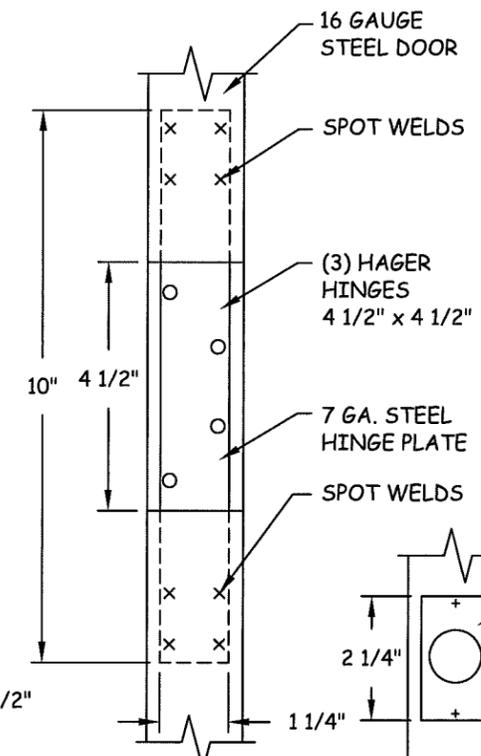
DETAIL C



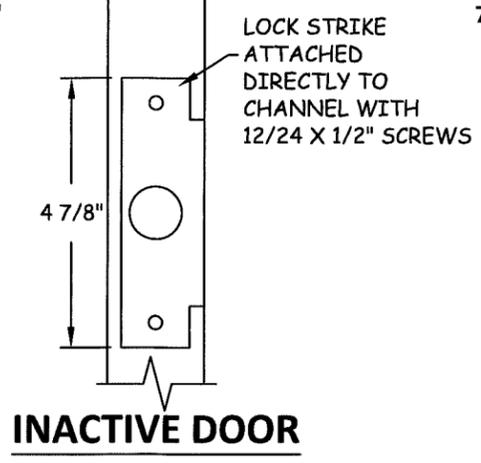
DETAIL D



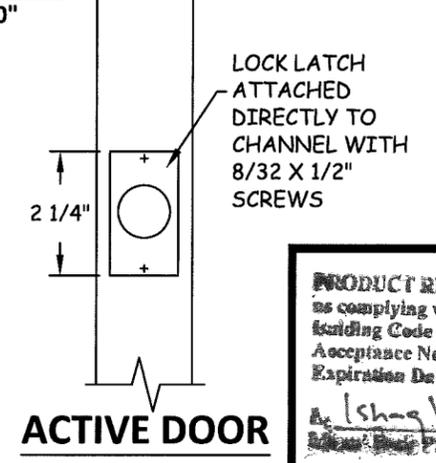
STEEL HINGE PLATE
7 GAUGE X 1-1/4" X 10"



STEEL HINGE PLATE
7 GAUGE X 1-1/4" X 10"



INACTIVE DOOR

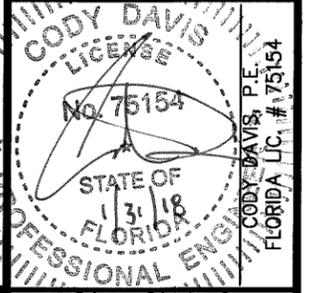


ACTIVE DOOR

TITLE: FULL LOUVERED STEEL DOOR
VERTICAL SECTIONS &
DETAILS

PREPARED BY:
Quality Engineering Products,
INC.,
4506 Quality Lane
Tampa, FL 33684
PH: (813) 885-1693 FX: (813) 644-2366

NO.	DESCRIPTION	BY	DATE
		1	2014 FBC



PRODUCT REVISED
as complying with the F1
Building Code
Acceptance No. 17-1102-09
Expiration Date 10/28/19

DATE: 02.26.16
DWN BY: JLR
CHK BY: CCD
SCALE: NTS

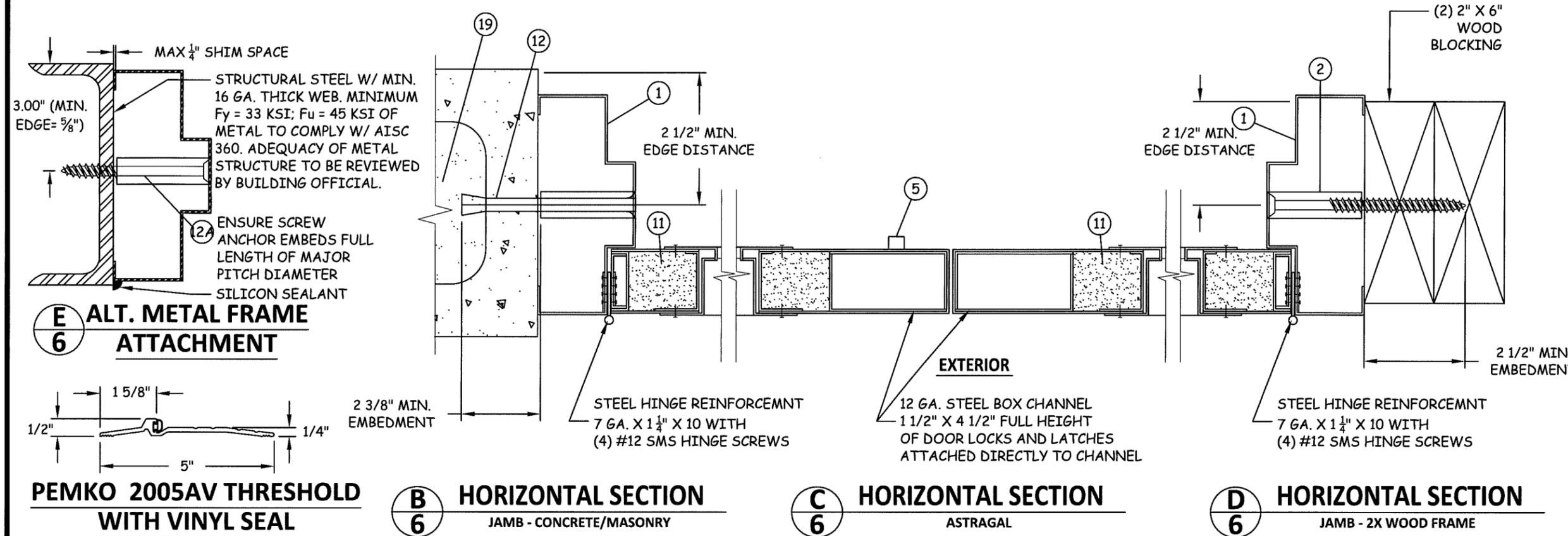
DWG #: QEP005
SHEET: 5 OF 7

A
5

VERTICAL SECTION
CONCRETE/MASONRY

TITLE: FULL LOUVERED STEEL DOOR
HORIZONTAL SECTIONS,
BILL OF MATERIALS & DETAILS

PREPARED BY:
Quality Engineering Products,
INC.,
4506 Quality Lane
Tampa, FL, FL 33684
PH: (813) 885-1693 FX: (813) 644-2366

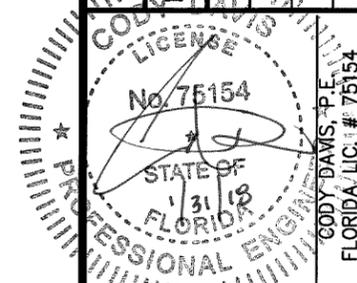


PEMKO 2005AV THRESHOLD WITH VINYL SEAL

BILL OF MATERIALS		
MARK	QUANTITY	DESCRIPTION
1	1	16 GA. (.063) MIN. STEEL HOLLOW METAL FRAME Fy MIN. = 46.3 KSI; Fu MIN. = 52.1 KSI (OR 304 SS Fy MIN. = 50.5 KSI; Fu MIN. = 98.5 KSI)
2	SEE ELEV.	3/8" X 6" WOOD LAG SCREWS W/ 3/4" EMT PIPE SLEEVE
3	2	16 GA. (.063) MIN. STEEL HOLLOW METAL DOORS W/ LOUVERS Fy MIN. = 41.2 KSI; Fu MIN. = 57.6 KSI (OR 304 SS Fy MIN. = 50.5 KSI; Fu MIN. = 98.5 KSI)
4	8	HAGER HINGES BB1279 4-1/2" x 4-1/2" x .134 THICK
5	2	IVES 360 SURFACE BOLTS
6	8	1/4" X 3" STAINLESS STEEL FLAT HEAD BOLT/WASHER/NUTS
7	1	THRESHOLD PEMKO #2005AV INSTALLED W/ 1/4" ITW TAPCONS (SEE ELEV. A/5)
8	1	SCHLAGE AL53PD LOCK W/ B660 DEADLOCK
9	1	RUSWINN CL3355 LOCK W/ DL2113 DEADLOCK
10	1	MARK 195AB LOCK W/ 130K DEADLOCK
11	AS REQ.	EXPANDED POLYSTYRENE (EPS) BY APPACHE PRODUCTS (CURRENT NOA) OR FIBERGLASS INSULATION
12	SEE ELEV.	1/2" DIA. DYNABOLT ITW/REDHEAD SLEEVE ANCHOR (3/8" DIA. BOLT) X 4-1/2" SLEEVE ANCHOR W/ 3/4" DIA. WELDED PIPE SLEEVE W/ 1-7/8" MIN. EMBEDMENT & 3" MIN. EDGE DISTANCE
13	AS REQ.	16 GA. CUT OUT CHANNEL
14	AS REQ.	16 GA. LOUVER RAIL
15	AS REQ.	16 GA. LOUVER BLADE
16	AS REQ.	16 GA. LOUVER COVER
17	SEE ELEV.	0.187" DIA. WIRE ANCHOR Fy MIN. = 30 KSI
18	SEE ELEV.	16 GA (.059") MIN. T-ANCHOR Fy MIN. = 30 KSI
19	SEE ELEV.	FILL BLOCK CELL WITH MINIMUM 3000 PSI GROUT

REVISIONS

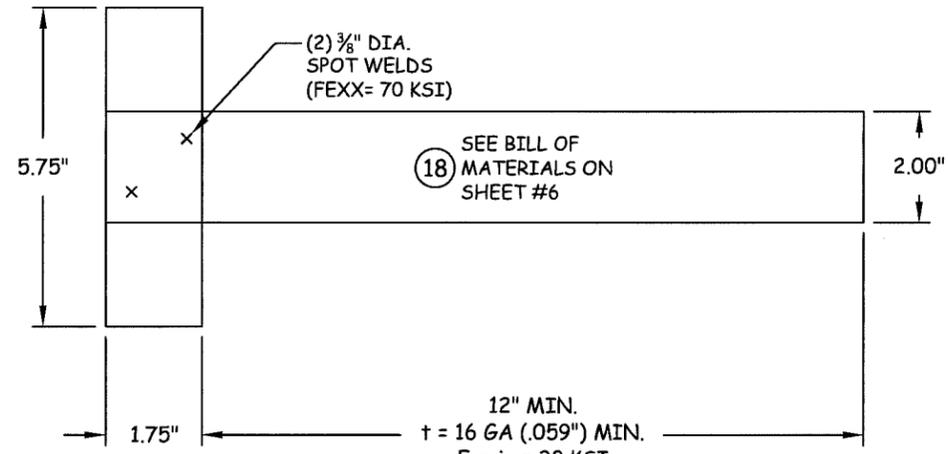
NO.	DESCRIPTION	DATE	BY
1	2014 FBC	02.26.16	CD



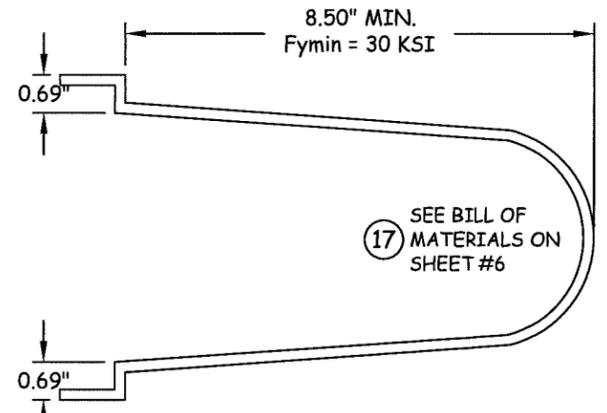
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 17-1102-09
 Expiration Date 10/28/19
 & (Signature)
 Safety: Best Product Control

DATE: 02.26.16	DWN BY: JLR	CHK BY: CCD	SCALE: NTS
DWG #: QEP005			SHEET: 6 OF 7

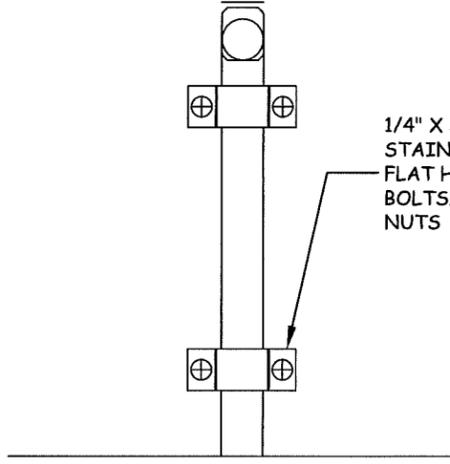
R:\1000 Projects\1122 Global Engineering\1122-003 Doors NOA 2017 FBC\Engineering\NOA 17-1102.09 (Old 15-0422.11)\DWG\QEP005 Louvered Steel Door.dwg, 1/31/2018 2:34:56 PM, John



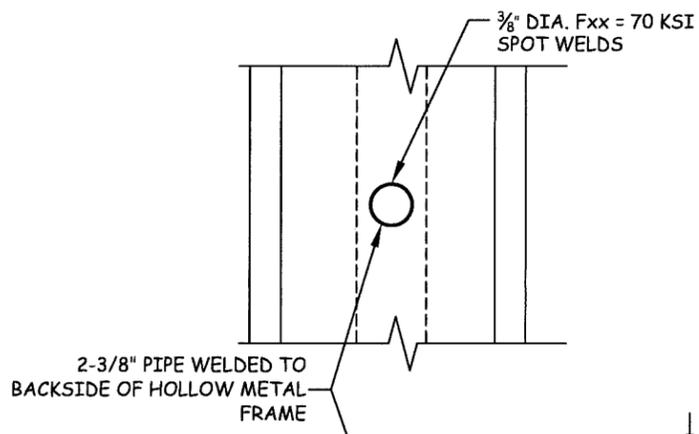
18 T ANCHOR ATTACHMENT



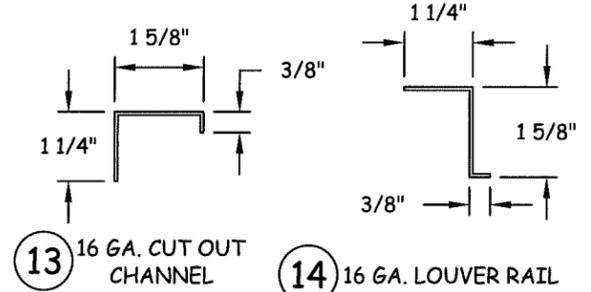
17 0.187" DIA. WIRE ANCHOR



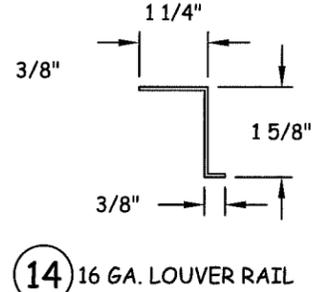
5 IVES 360 SURFACE BOLT



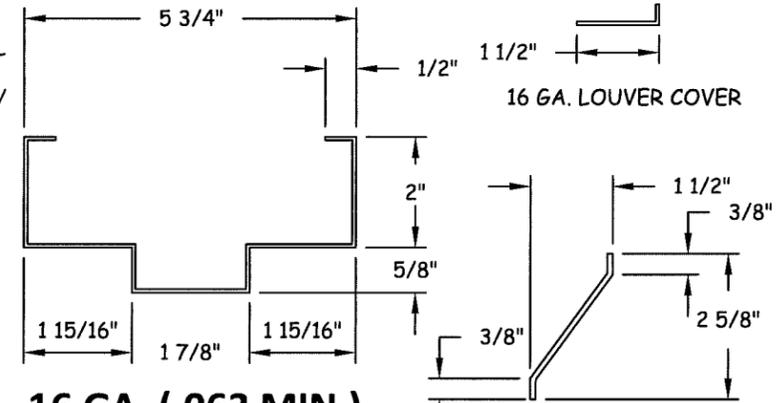
1 16 GA. (.063 MIN.) STEEL FRAME PROFILE



13 16 GA. CUT OUT CHANNEL



14 16 GA. LOUVER RAIL



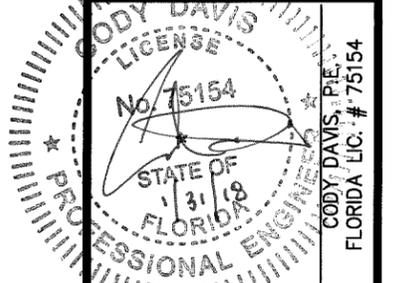
15 16 GA. LOUVER BLADE

Quality
Engineered
Products Co., Inc.

4506 QUALITY LN.
TAMPA, FL. 33634
PH: (813) 885-1693 FX: (813) 884-2673

TITLE: FULL LOUVERED STEEL DOOR
HORIZONTAL SECTIONS,
BILL OF MATERIALS & DETAILS
PREPARED BY:
Quality Engineering Products,
INC.,
4506 Quality Lane
Tampa, FL 33684
PH: (813) 885-1693 FX: (813) 644-2366

REVISIONS	
DESCRIPTION	DATE
2014 FBC	02.26.16



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DATE: 02.26.16
DWN BY: JLR
CHK BY: CCD
SCALE: NTS

DWG #: **QEP005**
SHEET: **7 OF 7**