



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 16 ga Outswing Double Flush Steel Doors-Impact

APPROVAL DOCUMENT: Drawing titled "8'-0" X 8'0" Double/Single Flush Door (outswing)", sheets 1 through 9 of 9, dated 11/23/2015 and Last revised on 10/20/20, prepared by manufacturer, signed and sealed by Cody C. 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. The alternate Stainless-Steel Doors shall be min 16 ga (.063" thk. Min.) w/ Tensile yield strength of min. 50.5 ksi and ultimate strength=98.5 ksi.
2. Doors w/ Pemko 2001AV threshold (item 5A) are not rated for water infiltration.
3. Fiberglass insulation shall have current approval or shall meet the FBC requirements.

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 # 17-1102.01 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. 20-0722.04
Expiration Date: October 13, 2025
Approval Date: November 19, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files below)
2. Drawing titled "8'-0" X 8'0" Double/Single Flush Door (outswing)", sheets 1 through 9 of 9, dated 11/23/2015, prepared by manufacturer, signed and sealed by Cody C. Davis, P. E.

B. TESTS (Submitted under file #12-1115.13 /# 10-0629.03)

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 (See threshold type).
 - 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 Flush Steel Doors, prepared by Certified Testing Lab Inc., Test Report No. **CTLA-1998W**, dated 04/07/10, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC 2014(5th Edition), dated 10/21/2015 and last revised on 11/20/2015, prepared, signed and sealed by Cody C. Davis, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (Except item #1, submitted under files#12-1115.13 /# 10-0629.03)

1. Technical Strength data sheet of ATI 304 Stainless Steel issued by ATI Allegheny Ludlum.
2. Tensile test report prepared by prepared by Certified Testing Lab Inc., Test Report No. **CTLA-1998W**, tested per ASTM E8/A370, dated 08/19/10 signed and sealed by Ramesh Patel, P. E.
3. Notice of Acceptance No. **06-0823.09** issued to Dow Corning for "Fold Form Insulation", expiring on 05/31/2012.
4. Underwriter test report file # R3576 (Proj #09NK13240) dated Nov 16, 2009 for Surface Burning Characteristics for Fiberglass Batts & Blanket per ANSI/UL-723 & ASTM E-84, issued to Owens Corning, Toledo, OH.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition) and "no financial interest", dated 09/30/15, signed and sealed by Cody C. Davis, P. E.
2. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER

1. This revises & renews NOA # 12-1115.13, expiring October 13, 2020.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 20-0722.04

Expiration Date: October 13, 2025

Approval Date: November 19, 2020

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted in previous NOA(s).

A. DRAWINGS

1. None.

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 12/01/17, prepared by Master Consulting Inc., signed and sealed by Cody C. Davis, P.E.

G. OTHER

1. This NOA revises NOA # 15-0422.02, expiring 10/13/20.

3. New Evidence submitted.

A. DRAWINGS

1. Drawing titled "8'-0" X 8'0" Double/Single Flush Door (outswing)", sheets 1 through 9 of 9, dated 11/23/2015 and Last revised on 10/20/20, prepared by manufacturer, signed and sealed by Cody C. 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

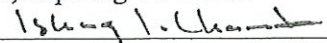
1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) and "No financial interest" dated 10/20/2020, prepared by Master Consulting Inc., signed and sealed by Cody C. Davis, P.E.

G. OTHER

1. This NOA revises NOA # 17-1102.01 and updates for FBC 2020, expiring 10/13/25.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 20-0722.04

Expiration Date: October 13, 2025

Approval Date: November 19, 2020

Quality
Engineered
Products
Co., Inc.

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

8'-0" x 8'-0"
DOUBLE/ SINGLE
FLUSH DOOR

REVISIONS

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	REVISION	CD	11.23.15
2	REVISION	TA	09.27.20



1 OF 9

1 OF 9

1. ONE (1) ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.

1. THE PRODUCT SHOWN HEREIN IS DESIGNED, AND MANUFACTURED TO COMPLY WITH THE SEVENTH EDITION OF THE FLORIDA BUILDING CODE (FBC), INCLUDING THE FOLLOWING EVALUATION, ACCORDING TO THE FOLLOWING:
a. TAS 201-94/TAS 202-94 (STRUCTURAL ONLY); TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY/METAL STUD AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT.
3. SHIM(S) AS REQUIRED AT EACH ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4" INCH, SHIM WHERE SPACE OF 1/4" INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. FOR INSTALLATION INTO WOOD FRAMING USE 1/2" INCH DIAMETER WOOD LAG SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. WOOD LAG SCREWS TO BE USED IN 3/4" INCH EMT PIPE SLEEVE. MIN EDGE DIST. = 3 IN. (SEE SHEETS 6 & 7)
5. FOR INSTALLATION THROUGH 1x6 BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/8" INCH DIAMETER DYWIDAG SLEEVE ANCHOR BY ITW/PREDHEAD OF SUFFICIENT LENGTH TO ACHIEVE 1 7/8" INCH MINIMUM EMBEDMENT. MIN EDGE DIST. = 3 IN. (SEE SHEETS 6 & 7)

6. FOR INSTALLATION INTO STRUCTURAL STEEL, USE $\frac{3}{8}$ " DIA. SCREW THRU EMP PIPE SLEEVE CONFORMING TO SAE GRADE 2 OR EQUAL. MINIMUM MATERIAL THICKNESS = $\frac{3}{8}$ " THICK CONFORMING TO A36 STEEL. (SEE SHEET 6 & 7)
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. FOR GROUT FILLED BLOCK, DO NOT INSTALL ANCHOR ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.

10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS. ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
11. 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. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. STRUCTURAL STEEL - MEMBER TO COMPLY WITH AISC 360. ADEQUACY OF METAL STRUCTURE TO BE REVIEWED BY RULING ENGINEER.
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 & FRAME MATERIAL- 16 GA. OR 14 GA. STEEL. MEETING FPMIN = 46.3 KSI; FPMIN = 52.1 KSI OR STAINLESS STEEL FPMIN = 50.5 KSI; FPMIN = 59.5 KSI. MIL-CERTIFICATE REQUIRED FOR VERIFICATION OF AVAILABLE STRENGTH.

BUILDING OFFICIAL		
DESIGN PRESSURE RATING		
WHERE WATER FILTRATION REQUIREMENT IS NOT NEEDED (PEAKO 2005AV THRESHOLD)	WHERE WATER FILTRATION REQUIREMENT IS NEEDED (HAGER 434V THRESHOLD)	WHERE WATER FILTRATION REQUIREMENT IS NOT NEEDED (PEAKO 2005AV THRESHOLD)
POSITIVE	+80.0 PSF	+80.0 PSF
NEGATIVE	-80.0 PSF	-80.0 PSF

PRODUCED BY
as complying with the Fair
Working Code
acceptance No 26-0722-04
Registration Date 06/13/2023
[Signature]

TABLE OF CONTENTS	
SHEET	REVISION
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-

BILL OF MATERIALS

MARK	QUANTITY	DESCRIPTION
1	1	16 GA. (.063") MIN. (14 GA. MAX) STEEL HOLLOW METAL FRAME F.WIN. = 46.3 KSI; F.U.MIN = 52.1 KSI (OR STAINLESS STEEL MEETING F.WIN = 50.5 KSI; F.U.MIN = 89.5 KSI)
2	1 OR 2	16 GA. (.063") MIN. (14 GA. MAX) STEEL HOLLOW METAL DOORS F.WIN. = 46.3 KSI; F.U.MIN = 52.1 KSI (OR STAINLESS STEEL MEETING F.WIN = 50.5 KSI; F.U.MIN = 89.5 KSI)
3	8	HAGER HINGES BB12179 4-1/2" X4-1/2" X.134" THICK
4	SHEET 6 & 7	1/2" DIA. DYNABOLT TWIPRED-HARD SLEEVE ANCHOR (3/8" DIA.BOLT) X4-1/2" SLEEVE ANCHOR W/ 3/4" DIA. WELDED PIPE SLEEVE W/ 1-7/8" MIN. EMBEDMENT, 3" MIN. EDGE DISTANCE INTO 3 KSI CONCRETE OR GROUT FILLED BLOCK
4A	SHEET 6 & 7	1-3/4" X5-3/4" X1/2" T-ANCHORS (SEE SHEET 7)
4B	SHEET 6 & 7	1/2" X5-1/2" WOOD LAG SCREWS (2-1/2" MIN. EMBEDMENT) W/ 3/4" EMF PIPE SLEEVE
4C	SHEET 6 & 7	0.187" DIA. WIRE ANCHOR
4D	SHEET 6 & 7	3/8" DIA. SCREW THRU EMP PIPE SLEEVE CONFORMING TO SAE GRADE 2 OR EQUAL
5	1	HAGER 434V THRESHOLD W/ 14"x22" TWIPRED-HARD TAPCONS (Fu = 125 KSI; Fy = 100 KSI) @ 12" O/C W/ 1-3/4" MIN. EMBEDMENT INTO CONCRETE (SEE ELEV. PER SHEET 6)
5A	1	2005 AV THRESHOLD W/ 14"x22" TWIPRED-HARD TAPCONS (Fu = 125 KSI; Fy = 100 KSI) @ 12" O/C W/ 1-3/4" MIN. EMBEDMENT INTO CONCRETE. (NOT RATED FOR WATER INFILTRATION)
6	AS REQ.	NATIONAL GUARD WEATHERSTRIP 160VA W/ #6 X3/8" SCREWS @ 5" O/C
7	1	PEMKO 347A TOP DRIP W/ #5 X3/8" SCREWS @ 5" O/C [ONLY REQUIRED IF WATER RESISTANCE IS NEEDED]
8	1	PEMKO 68A TOP WEATHERSTRIP W/ #6 X5/8" SCREWS @ 6" O/C [ONLY REQUIRED IF WATER RESISTANCE IS NEEDED]
9	2	PEMKO 375CR ASTRAGAL (EXTERIOR ONLY IF WATER RESISTANCE IS NEEDED)
10	8	7 GA. STEEL FRAME HINGE REINFORCEMENT (1-1/4" X 10")
11	8	7 GA. STEEL DOOR HINGE REINFORCEMENT (1-1/4" X 10")
12	2 OR 4	16 GA. TOP & BOTTOM CHANNEL. SPOT WELD 4" O/C
13	AS REQ.	20 GA. STEEL HAT STIFFENER. SPOT WELD 5" O/C
14	AS REQ.	OVENS CORNING FIBERGLASS INSULATION
16	2	12 GA. STEEL 1-1/2" X4-1/2" FULL HEIGHT LOCK REINFORCEMENT
17	2	ROCKWOOL 585 SURFACE BOLTS (DOUBLE DOOR INACTIVE PANEL ONLY)
18	2	18 GA. STEEL TOP CAP. TACK WELD & CAULK (3/4" X 1-1/2")
AS REQ.		16 GA. (.063") MIN. HINGE CHANNEL REINFORCEMENT 3/8" X5/8" X1-1/4"
20	1	MARKS 195 SERIES W/ DEADBOLT OR BEST 93K W/ 83T DEADBOLT (CYLINDRICAL)
21	1	BEST 43H SERIES OR MARKS 5 SERIES MORTISE LOCKSET
22	1	1-1/4" X 3/5" CELL FOAM (WHERE WATER RESISTANCE IS NEEDED)

NOTE: ITEM 15 NOT USED

Quality Engineered Products Co., Inc.
 4866 QUALITY LANE
 TAMPA, FL 33634
 PH: (813) 885-1693 FAX: (813) 884-2673

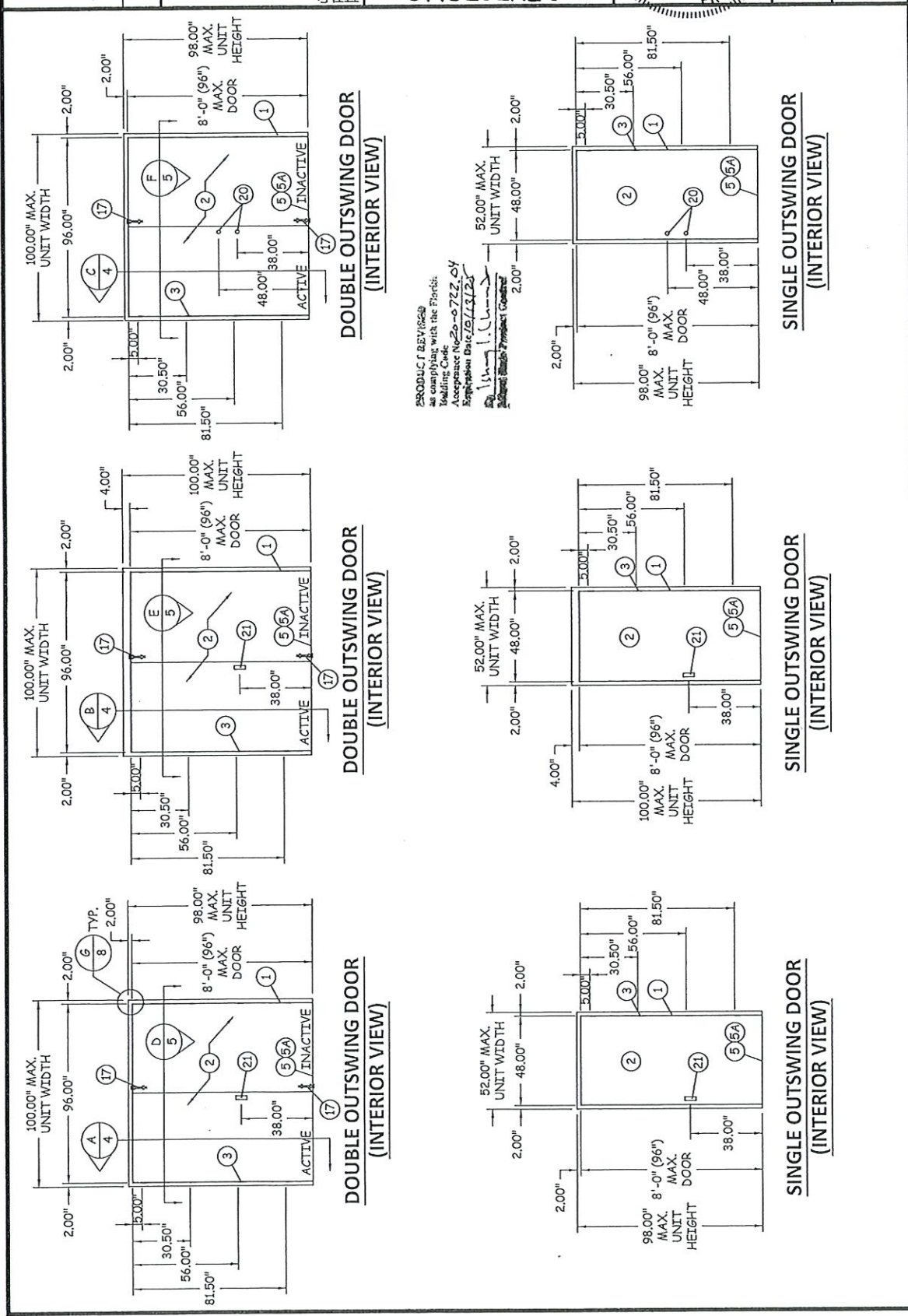
DOUBLE/ SINGLE FLUSH DOOR
 8'-0" x 8'-0"
 ELEVATIONS

REVISIONS

NO.	DATE	DESCRIPTION	BY	DATE	REVISION	TA
1	11.23.15	CD	11.23.15	TA	09.27.20	

COO C. DAVIS
 No. 75154
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE

DATE: 11.23.15
DWN BY: KRM
CHK BY: CCD
SCALE: NTS
SHEET: 2 OF 9



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Amendment No. 20-0722.04
 Approved Date 11/13/15
 By: [Signature]
 Licensed Professional Engineer

Quality
Engineered
Products
Co., Inc.

4500 QUALITY LN.
TAMPA, FL 33634
PH: (813) 885-1693 FX: (813) 884-2073

8'-0" x 8'-0"
DOUBLE/ SINGLE
FLUSH DOOR
INTERNAL ELEVATIONS
& DETAILS

DATE	BY	DESCRIPTION	REVISION	CD	TA	DATE
09.27.20	TA	REVISION	1			
11.23.15	CD	REVISION	2			

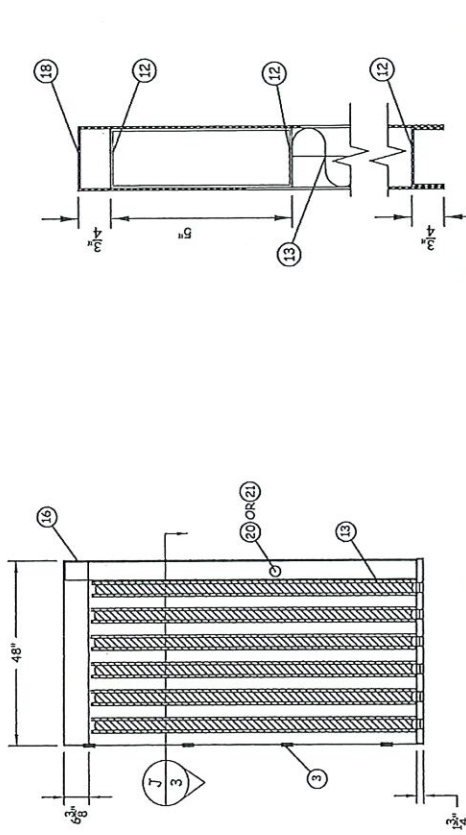
REVISIONS



DATE:	DWN BY:	KRM	CHK BY:	CCD	SCALE:	NTS
11.23.15						

SHEET:

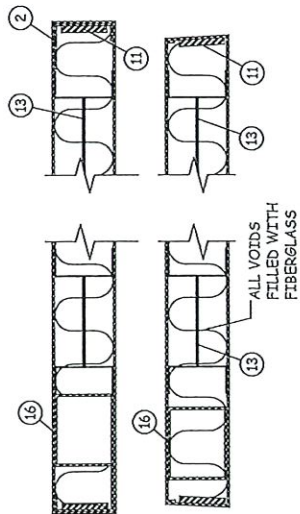
3 OF 9



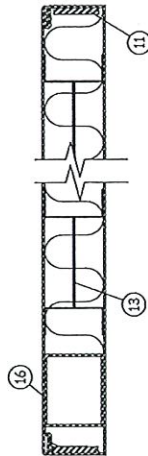
INTERNAL ELEVATION

HAT CHANNEL REINFORCED

DOOR PANEL ILLUSTRATION

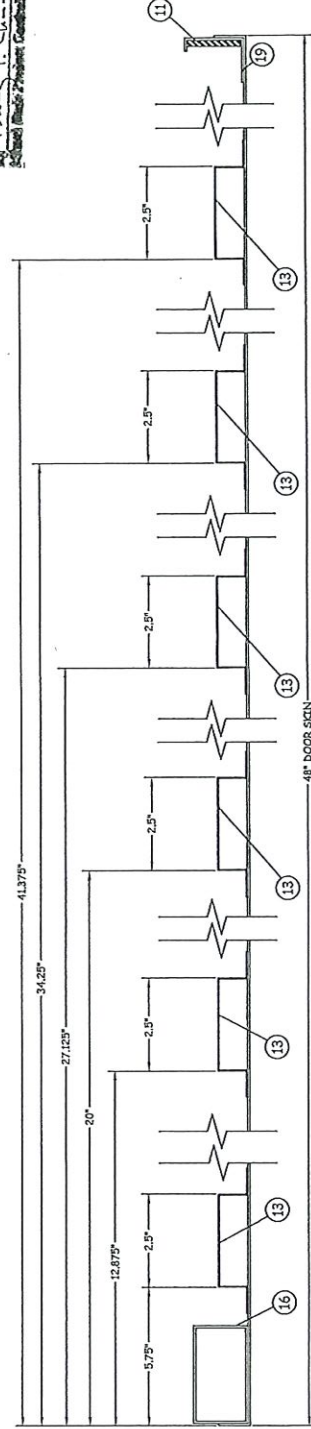


H SEAMLESS EDGE DOOR



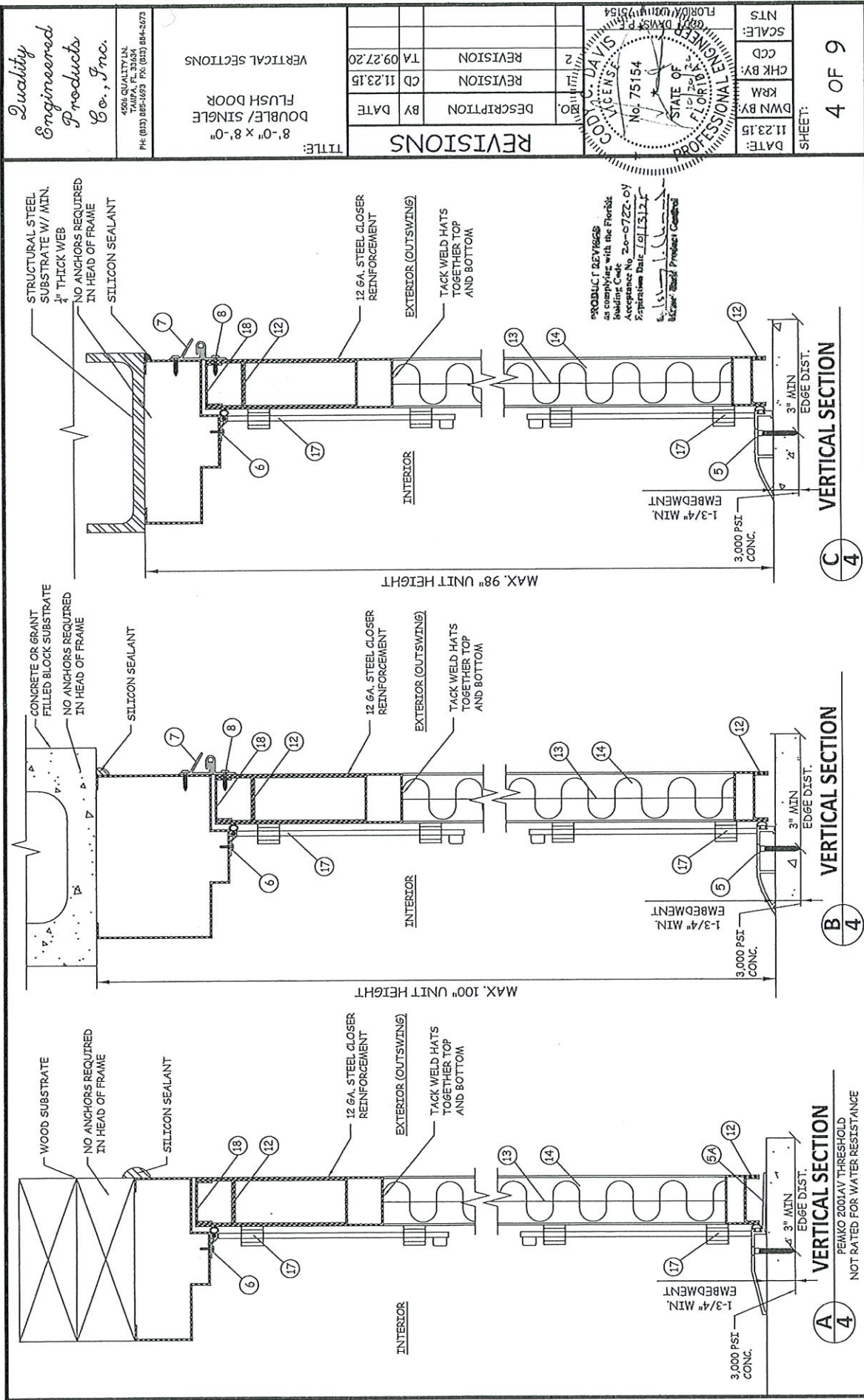
I EDGE SEAM DOOR

PRODUCT REVISED
in compliance with the Florida
Building Code, Chapter 6, Part 1,
Acceptance Notice 6722-04
Expiration Date 11/31/15
By 11/23/15
Cody C. Davis
Professional Engineer



J INTERNAL SECTION

REINFORCEMENT SPACING



4506 QUALITY LN. PH (813) 885-1093 FX (813) 884-2073		8'-0" x 8'-0" DOUBLE/ SINGLE FLUSH DOOR VERTICAL SECTIONS	
TITLE: REVISIONS		BY DATE	
CD 11.23.15		REVISION	
TA 09.27.20		REVISION	

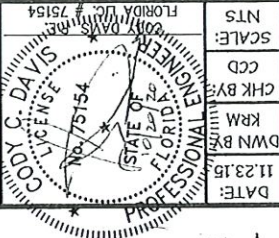
PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 75154
 EXPIRATION DATE 12/31/21
 COOPER DAVIS
 PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 20-0722-01 Expiration Date 12/31/21
 Quality Engineered Products Co., Inc.

*Quality
Engineered
Products
Co., Inc.*

4806 QUALITY LN.
TAMPA, FL 33634
PH: (813) 885-1693 FX: (813) 884-2073

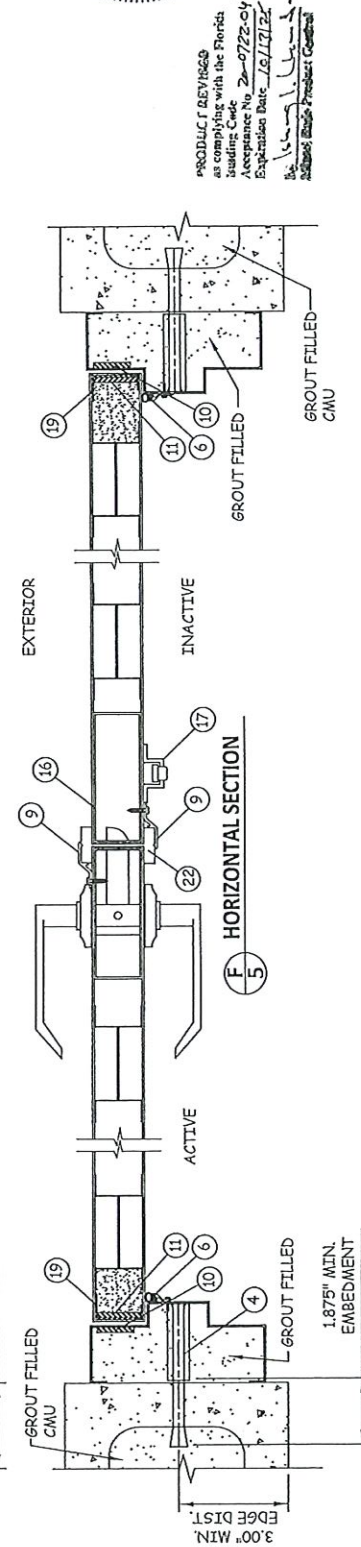
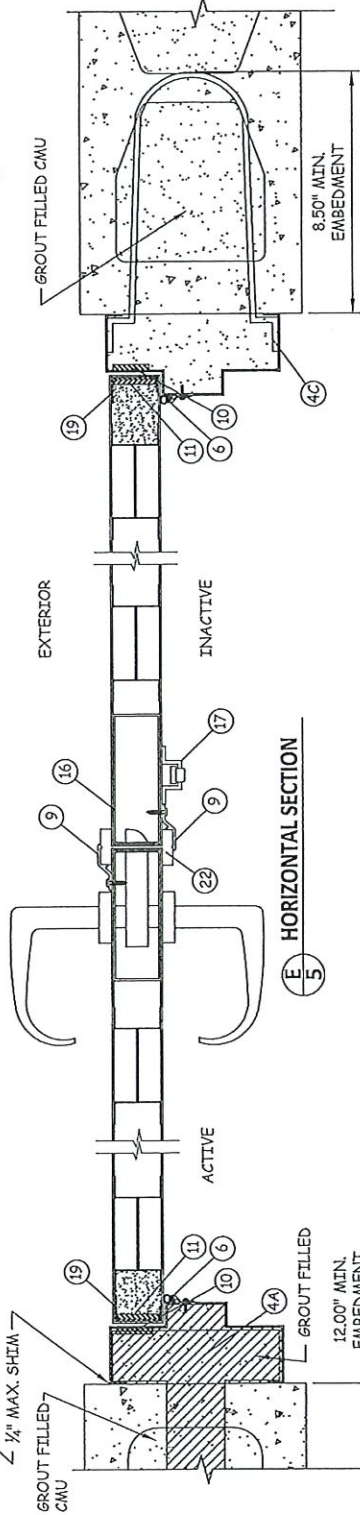
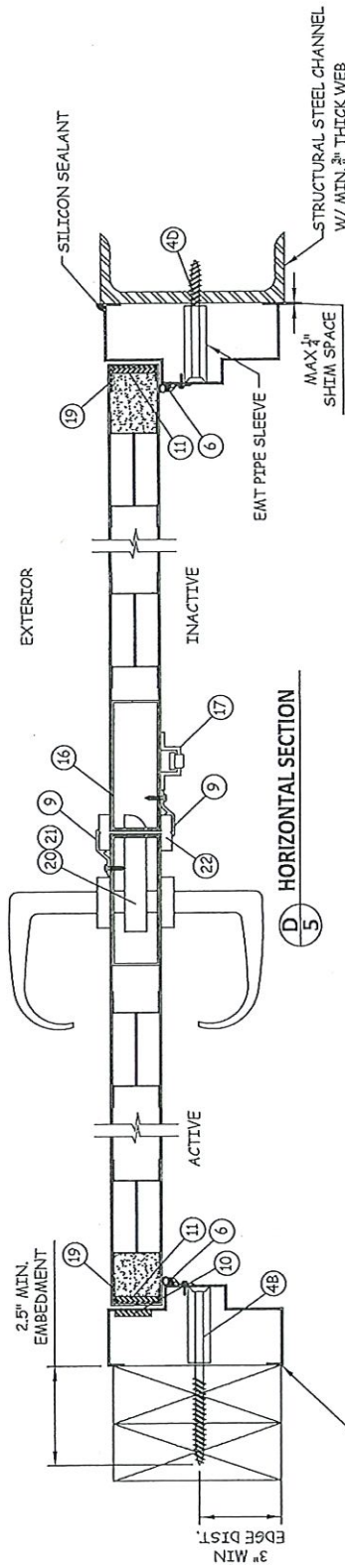
TITLE: 8'-0" x 8'-0"
DOUBLE/ SINGLE
FLUSH DOOR
HORIZONTAL SECTIONS

NO.	DESCRIPTION	BY	DATE
1	REVISION	CD	11.23.15
2	REVISION	TA	09.27.20

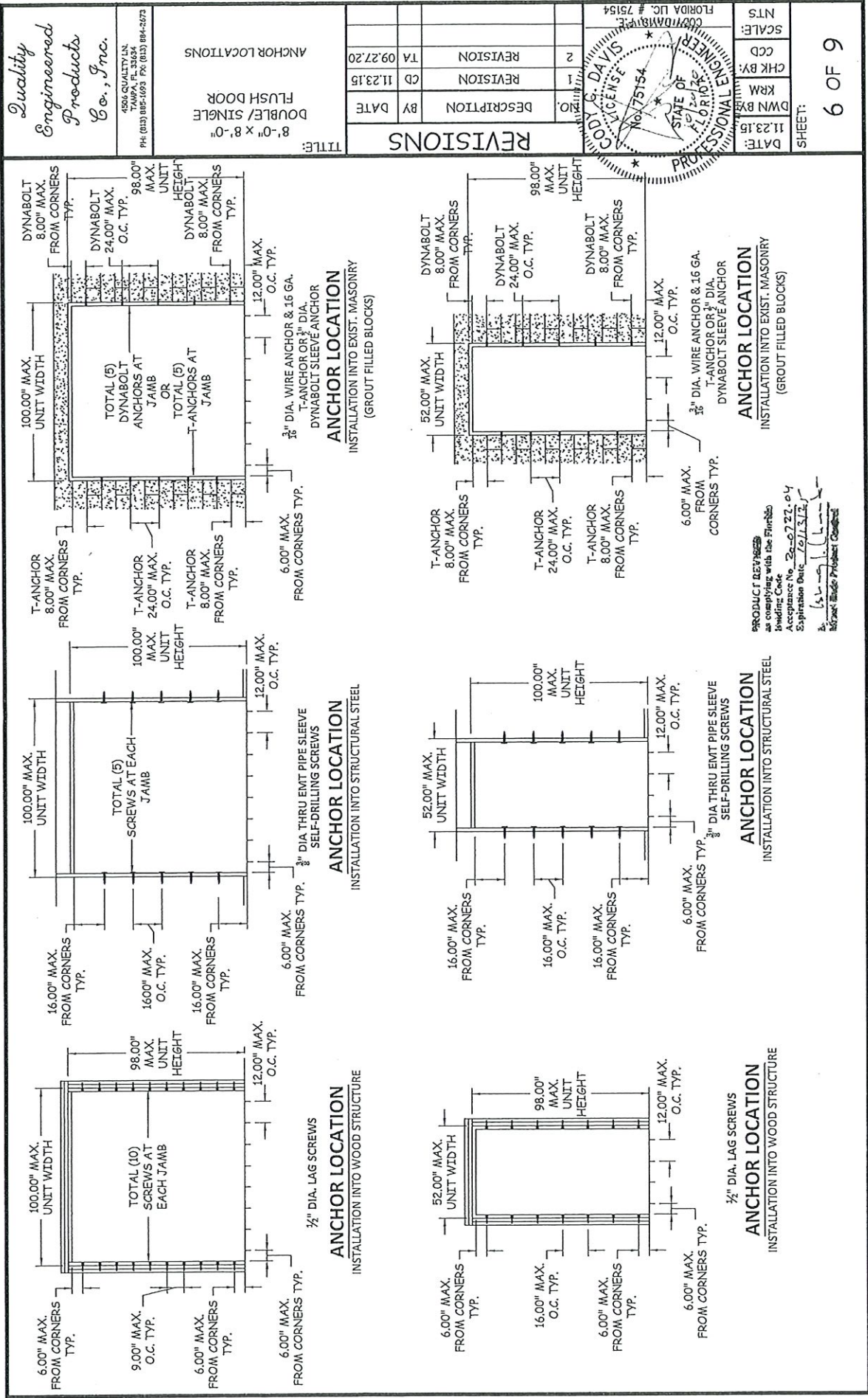


DATE:	11.23.15
DWN BY:	KRM
CHK BY:	CCD
SCALE:	NTS

SHEET: 5 OF 9

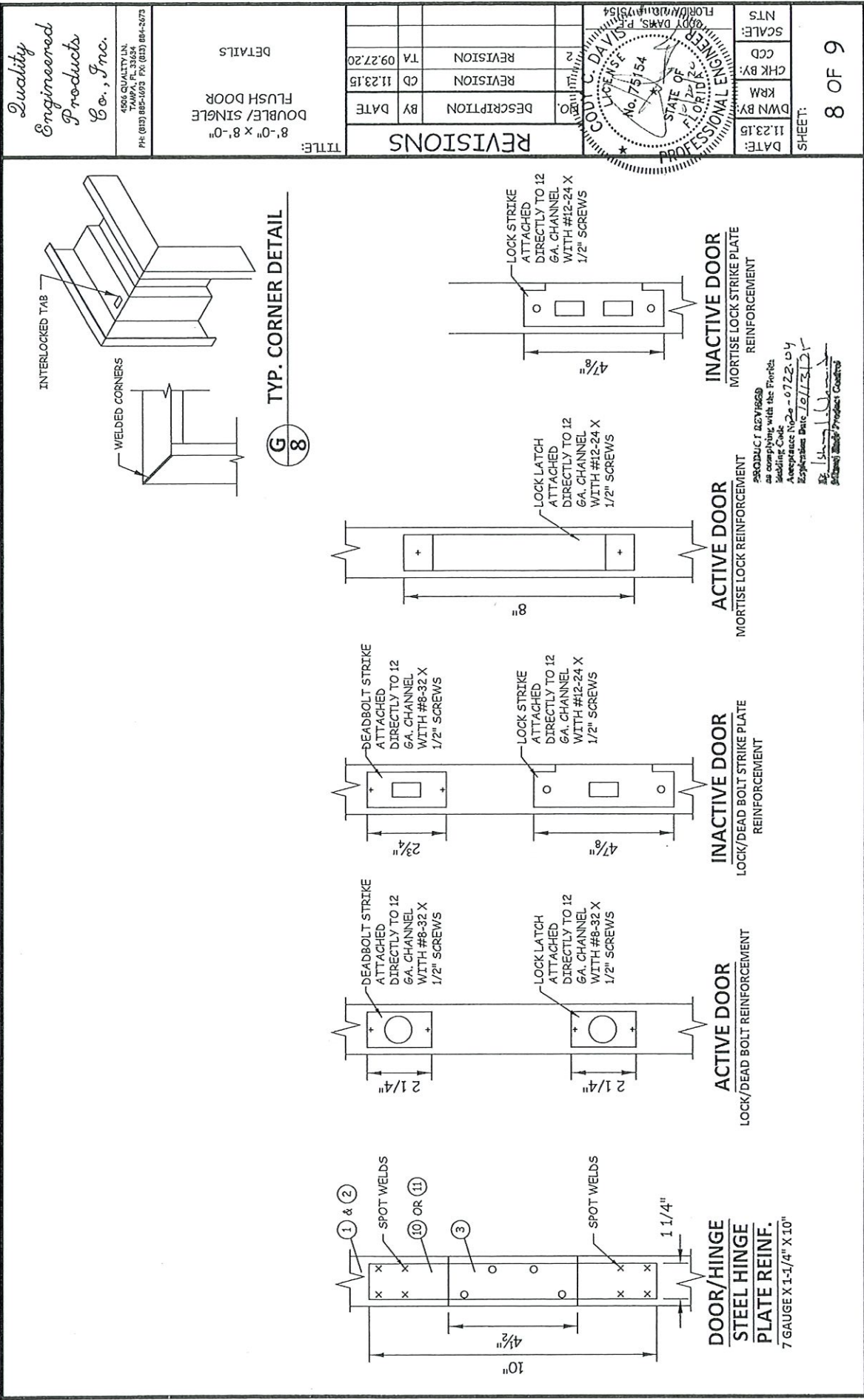


PRODUCT REVISED
to comply with the Florida
Building Code
Adoption No. 20-0722-04
Expiration Date 10/17/22
By: [Signature]
Attorney at Law





PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0722-04
Expiration Date 06/13/25
By: 166-716-1
Name: Boyd Product Control



Quality Engineered Products Co., Inc. 4506 QUALITY LN. TAMPA, FL 33634 PH: (813) 885-1093 FX: (813) 884-2073		REVISIONS <table> <tr> <th>NO.</th><th>DESCRIPTION</th><th>BY</th><th>DATE</th></tr> <tr> <td>1</td><td>REVISION</td><td>CD</td><td>11.23.15</td></tr> <tr> <td>2</td><td>REVISION</td><td>TA</td><td>09.27.20</td></tr> </table>		NO.	DESCRIPTION	BY	DATE	1	REVISION	CD	11.23.15	2	REVISION	TA	09.27.20
NO.	DESCRIPTION	BY	DATE												
1	REVISION	CD	11.23.15												
2	REVISION	TA	09.27.20												
TITLE: DOUBLE/ SINGLE FLUSH DOOR 8'-0" x 8'-0"		SCALE: NTS: CHK BY: DWN BY: DATE: SHEET:													
8 OF 9		PROFESSIONAL ENGINEER STATE OF FLORIDA No. 75154 COO. C. DAVIS LICENSED PROFESSIONAL ENGINEER FLORIDA REG. NO. 75154													

PRODUCT 22V1859
 as complying with the Florida
 Building Code
 Amendment No. 20-0722, 04
 Repeal Date 12/1/21
 By: [Signature]
 [Signature] Quality Engineered Products Co., Inc.

16 GA. (.063" MIN.)
STEEL FRAME PROFILE (TYP.)