



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 or 14 ga Outswing Full Louvered Commercial Steel Door-Impact**

**APPROVAL DOCUMENT:** Drawing No. **QEP005 Rev #3**, titled "Full Louvered Steel Doors", sheets 1 through 7 of 7, prepared by manufacturer, dated 01/31/18 and last revised on 01/31/24, signed and sealed by Cody Davis, P. E., bearing the Miami-Dade County Product Control Renewal 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
3. Foamcore must have a current NOA or current Fiberglass listing per UL listing.

**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 # 20-1123.20** and consists of page 1 and evidence pages E-1, E-2, E-3 & E-4, as well as approval document mentioned above.

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

*Ishaq I. Chanda*



NOA No. 23-1218.04  
Expiration Date: **October 28, 2025**  
Approval Date: **June 20, 2024**  
Page 1

**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, 5<sup>th</sup> 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.

**G. OTHER**

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

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1218.04**  
**Expiration Date: October 28, 2025**  
**Approval Date: June 20, 2024**

**Quality Engineered Products Co, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under previous file # 17-1102.09.**

**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 (6<sup>th</sup> 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 # 15-0422.10, expiring 12/30/19.

**3. Evidence submitted under previous submittal.**

**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. (submitted under file# 17-1102.09).

**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 (6<sup>th</sup> Edition), dated 12/01/17, prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E. (submitted under file# 17-1102.09).

**G. OTHER**

1. This NOA revises # # 17-1102.09, expiring 12/30/19. *Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1218.04**  
**Expiration Date: October 28, 2025**  
**Approval Date: June 20, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No. **QEP005 Rev #2**, titled “Full Louvered Steel Doors”, sheets 1 through 7 of 7, prepared by manufacturer, dated 01/31/18 and last revised on 03/03/21, 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 2020 (7<sup>th</sup> Edition), dated March 03, 2021, prepared by Master Consulting Engineer Inc., signed and sealed by Cody Davis, P. E.

**G. OTHER**

1. This NOA **revises #19-0731.04**, expiring 10/28/24.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1218.04**  
**Expiration Date: October 28, 2025**  
**Approval Date: June 20, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. New Evidence submitted.**

**A. DRAWINGS**

1. Drawing No. **QEP005 Rev #3**, titled “Full Louvered Steel Doors”, sheets 1 through 7 of 7, prepared by manufacturer, dated 01/31/18 and last revised on 01/31/24, signed and sealed by Cody Davis, P. E.

**B. Test**

1. None.

**C. CALCULATIONS**

1. Anchor verification calculations complying w/ FBC 2023(8<sup>h</sup> Edition), dated 01/31/2024, 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**

1. 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 2023 (8<sup>th</sup> Edition) and “No financial interest” dated 01/31/24, prepared by Master Consulting Inc., signed and sealed by Cody C. Davis, P.E.
2. E-mail statement issued by PRI testing Lab dated 05/30/24 referenced to RER QEP re-test proposals, for near future schedule, signed by Timothy Efwu, Manager.

**G. OTHER**

1. This NOA **revises & renews #20-1123.20**, expiring 10/28/25.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1218.04**  
**Expiration Date: October 28, 2025**  
**Approval Date: June 20, 2024**

# QUALITY ENGINEERED PRODUCTS

## FULL LOUVERED COMMERCIAL STEEL DOOR (OUTSWING)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/2$  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.
- 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).
- 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.
- 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.
- 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.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.

- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - GROUTED MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, NORMAL WEIGHT w/ 2 KSI STRENGTH. GROUT SHALL BE MIN. 3000 PSI.
  - STRUCTURAL STEEL- MEMBER TO COMPLY WITH AISC 360. ADEQUACY OF METAL STRUCTURE TO BE REVIEWED BY BUILDING OFFICIAL.

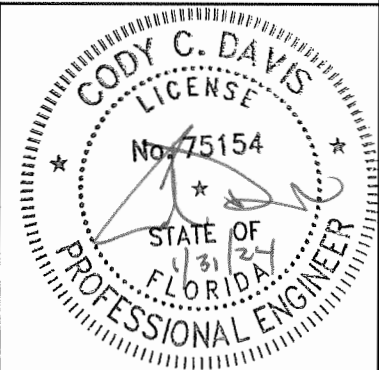
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0312.04  
Expiration Date 08/22/2029  
By Ishag I. Chande  
Miami-Dade Product Control

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SHEET	REVISION	SHEET DESCRIPTION
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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 NOT 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

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE FBC 8TH EDITION (2023), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING: TAS 201-94/TAS 202-94 (STRUCTURAL ONLY)/TAS 203-94
- 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.
- 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 FOR THE PROJECT OF INSTALLATION.
- 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.
- THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
- 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.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL



FULL LOUVERED STEEL DOOR

DRAWING NUMBER QEP005

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

*Quality Engineered Products Co., Inc.*

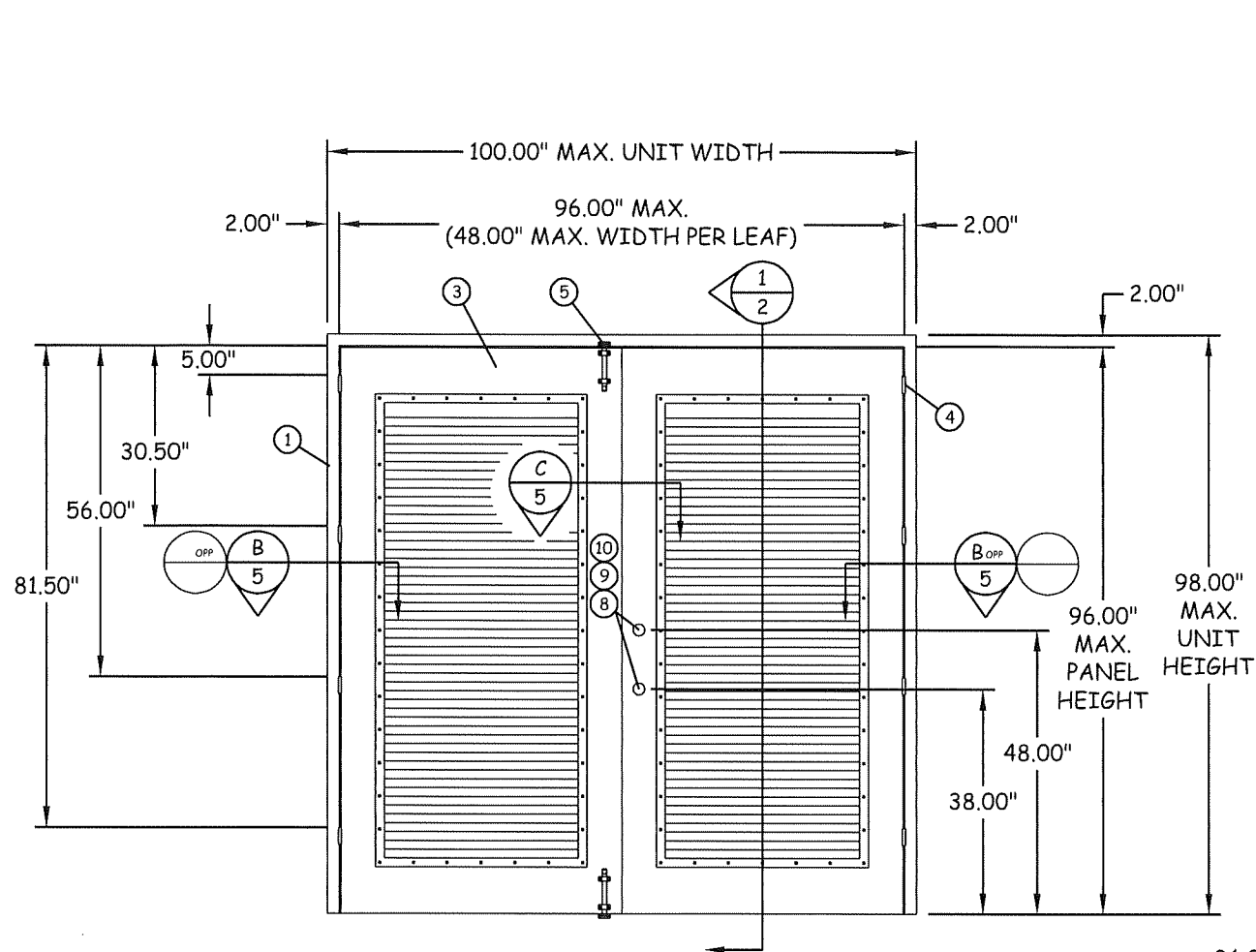
REVISIONS

02-26-16 (FBC2014)  
02-10-21 (FBC2020)  
01-31-24 (FBC2023)

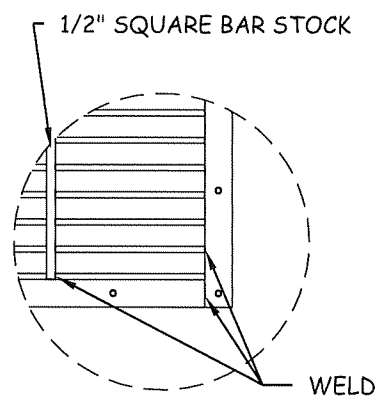
FULL LOUVERED STEEL DOOR  
INSTALLATION &  
GENERAL NOTES

SHEET 1 OF 7

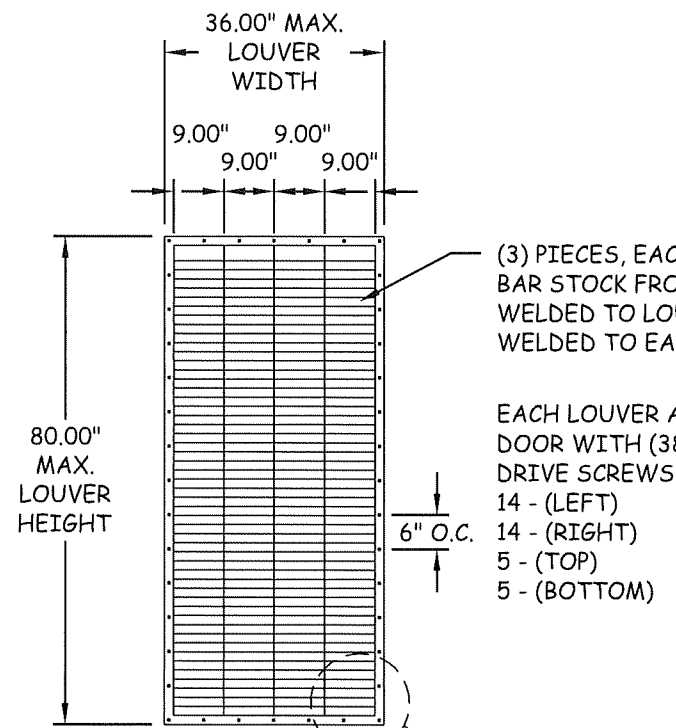
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**ELEVATION**

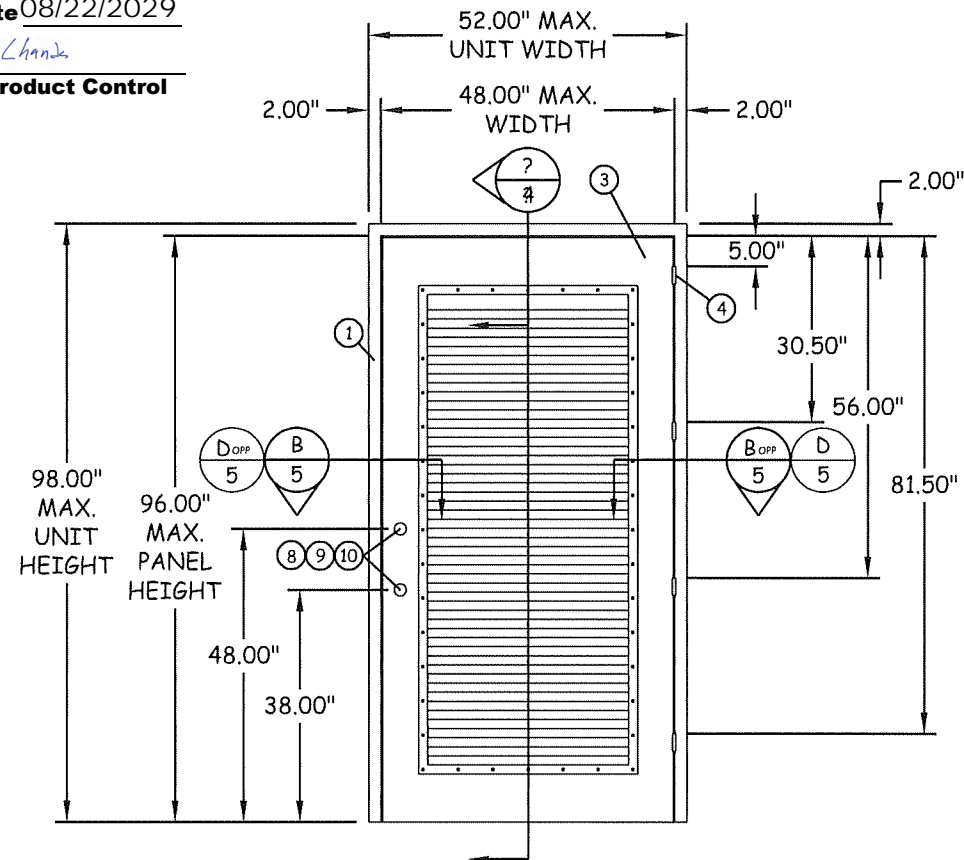


**DETAIL A**

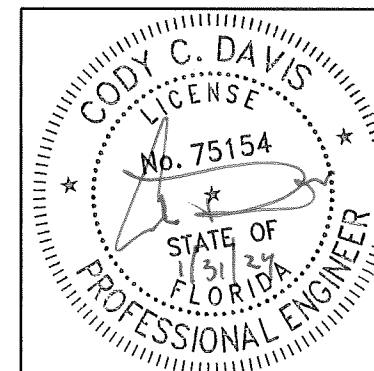


**INTERIOR VIEW  
LOUVER**

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0312.04  
Expiration Date 08/22/2029  
By *Ishag L. Chande*  
Miami-Dade Product Control



**ELEVATION**



FULL LOUVERED STEEL DOOR

DRAWING NUMBER QEP005

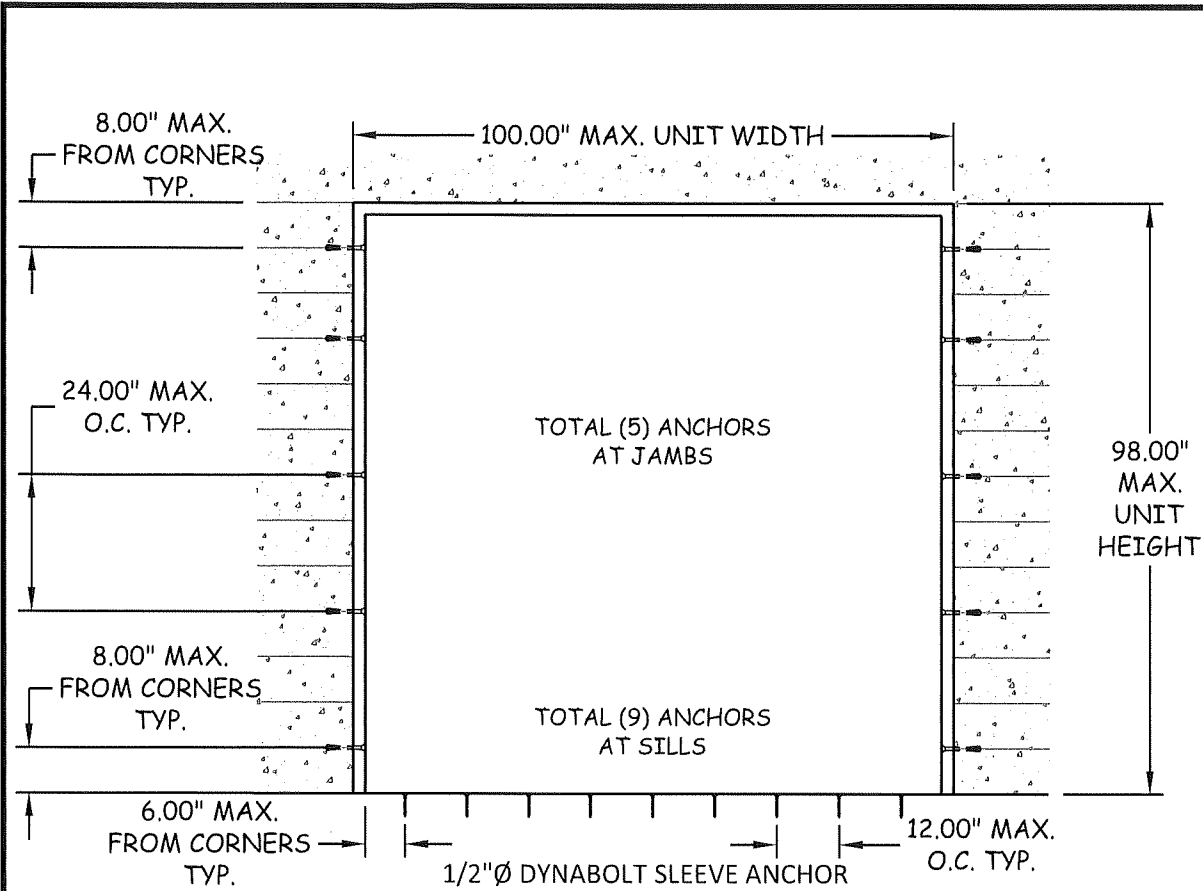
REVISIONS  
02-26-16 (FBC2014)  
02-10-21 (FBC2020)  
01-31-24 (FBC2023)

FULL LOUVERED STEEL DOOR  
ELEVATIONS & DETAILS

SHEET 2 OF 7  
DATE 01-31-2024

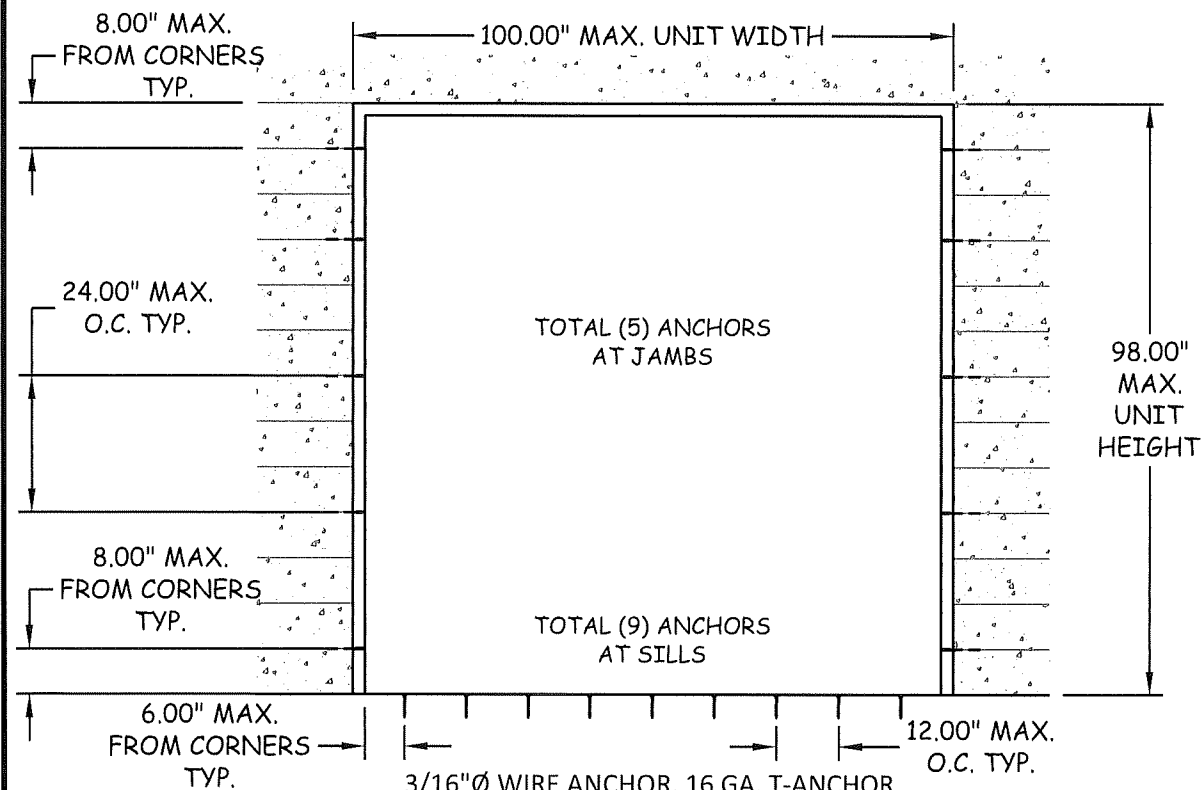
4506 QUALITY LANE  
TAMPA, FLORIDA 33634  
(813) 885-1693

*Quality  
Engineered  
Products Co., Inc.*



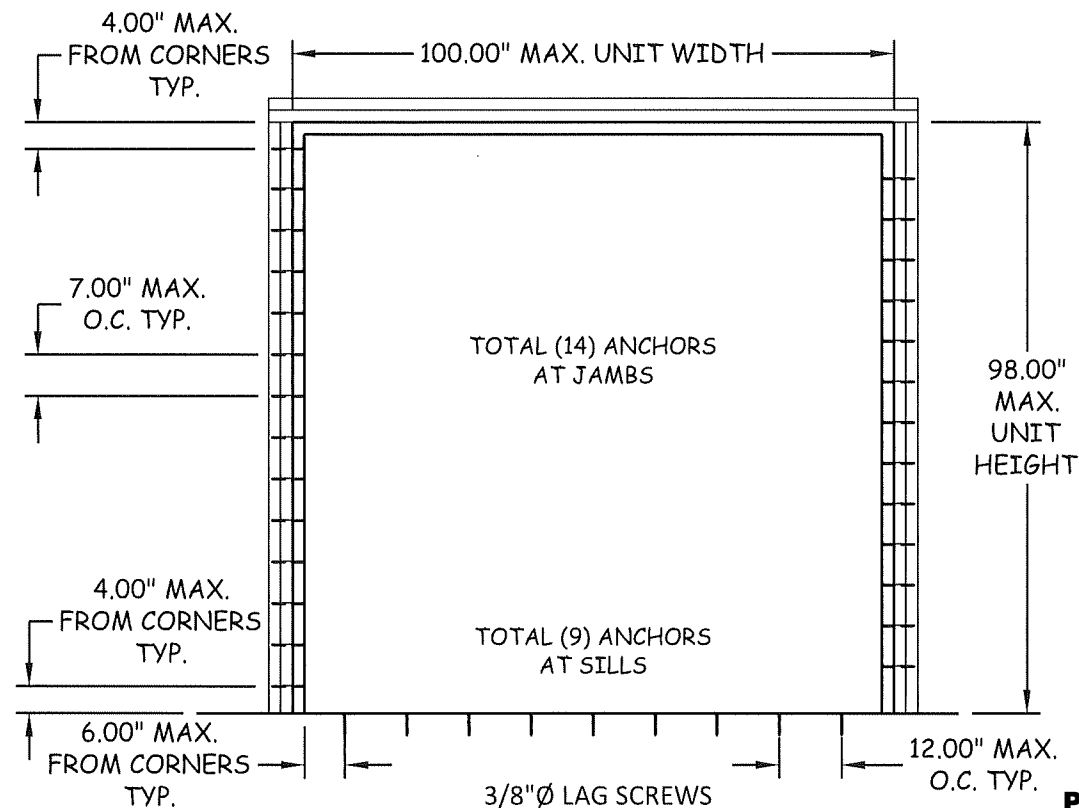
### ANCHOR LOCATION

INSTALLATION INTO MASONRY (GROUT FILLED BLOCKS)  
OR CONCRETE



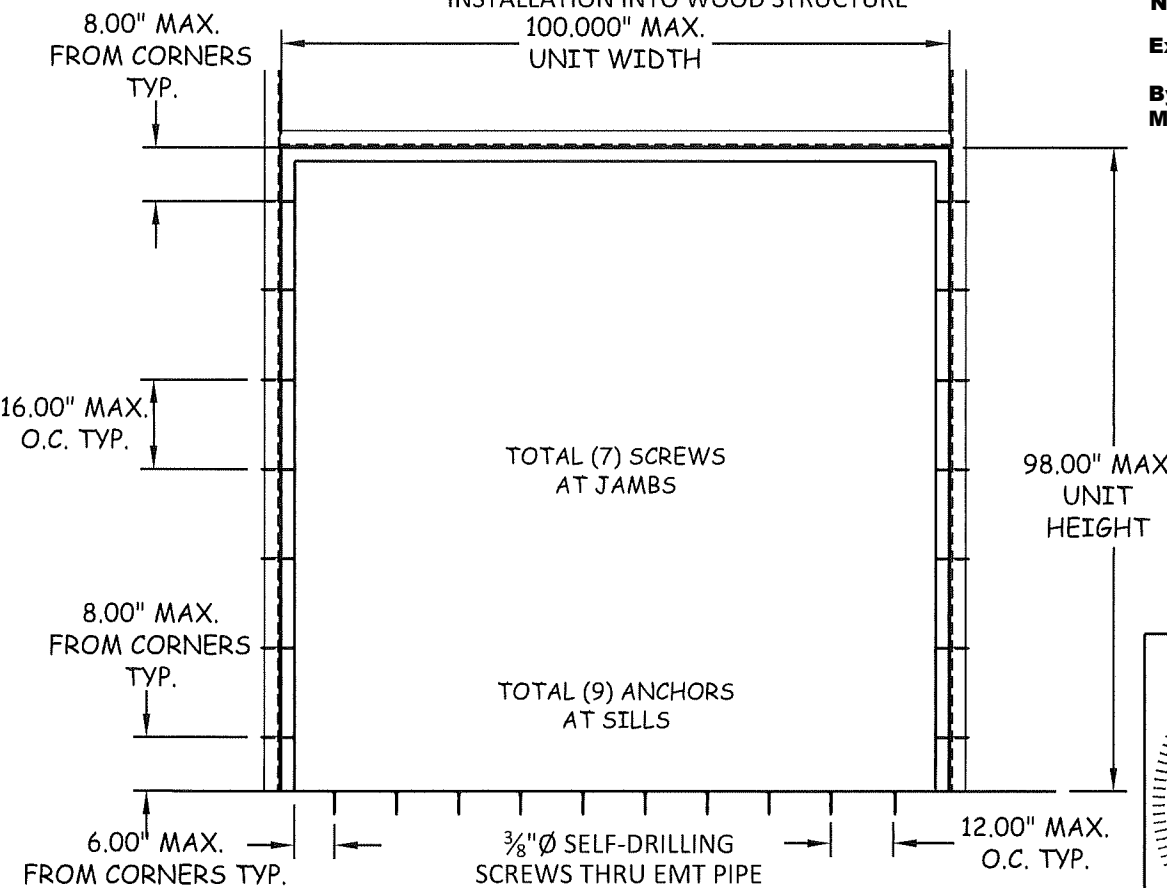
### ANCHOR LOCATION

INSTALLATION INTO MASONRY  
(GROUT FILLED BLOCKS)



### ANCHOR LOCATION

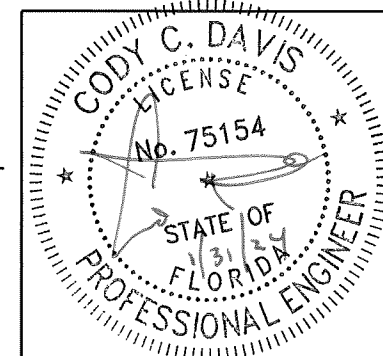
INSTALLATION INTO WOOD STRUCTURE  
100.000\" MAX.  
UNIT WIDTH



### ANCHOR LOCATION

INSTALLATION INTO STRUCTURAL STEEL

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0312.04  
Expiration Date 08/22/2029  
By Ishaq I. Chande  
Miami-Dade Product Control



FULL LOUVERED STEEL DOOR

DRAWING NUMBER QEP005

REVISIONS  
02-26-16 (FBC2014)  
02-10-21 (FBC2020)  
01-31-24 (FBC2023)

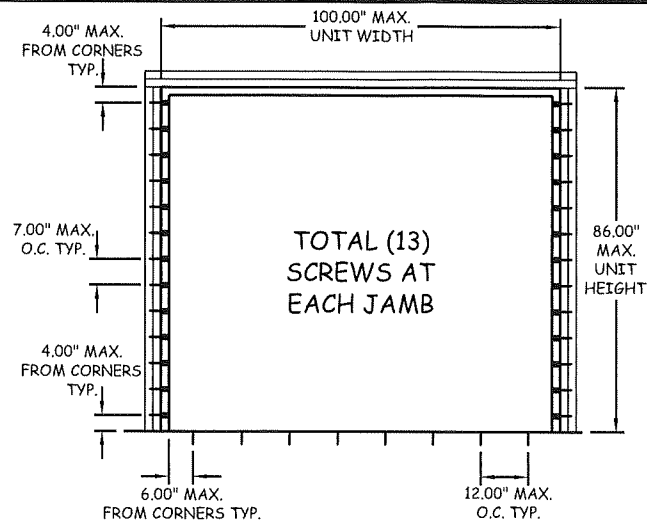
FULL LOUVERED STEEL DOOR  
ANCHOR LAYOUTS

SHEET 3 OF 7

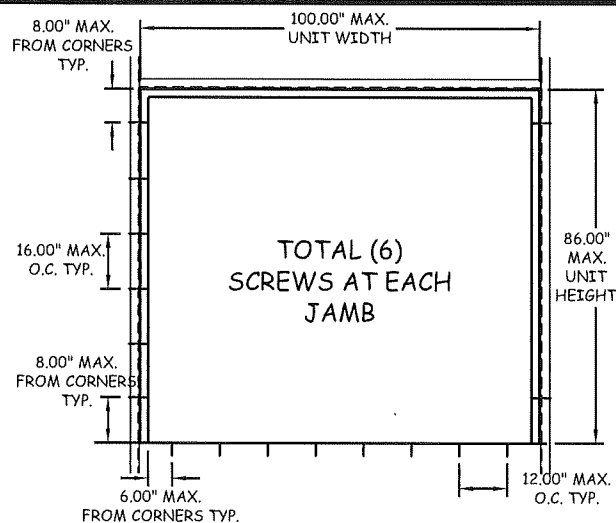
DATE 01-31-2024

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

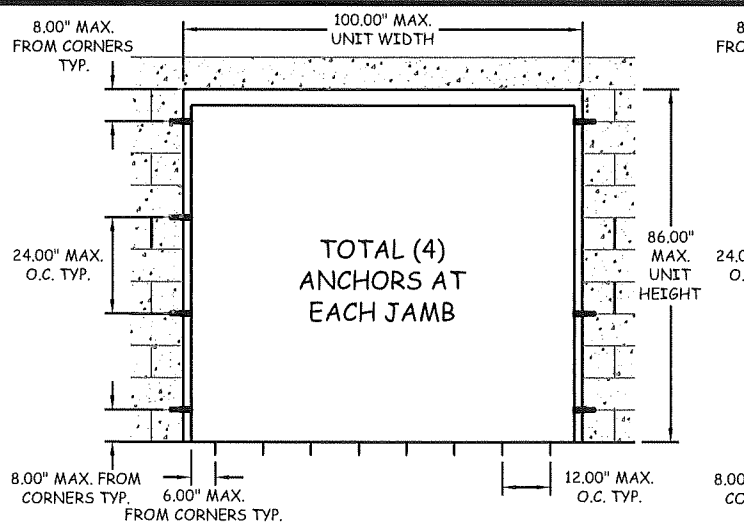
*Quality  
Engineered  
Products Co., Inc.*



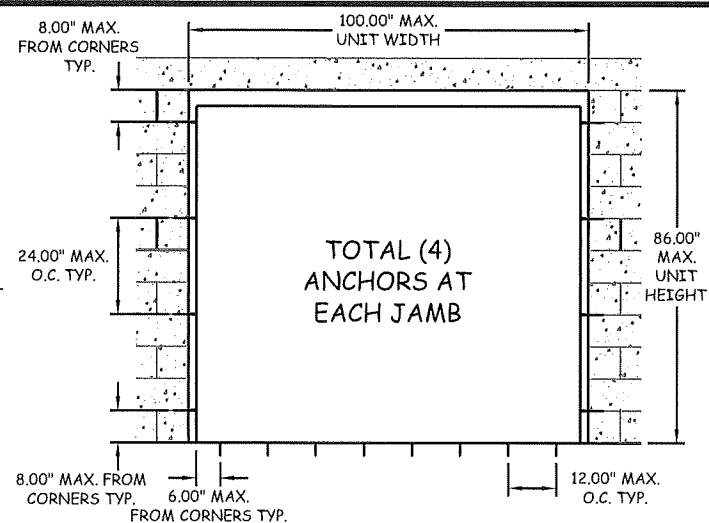
**3/8" DIA. LAG SCREWS**  
**ANCHOR LOCATION**  
INSTALLATION INTO WOOD STRUCTURE



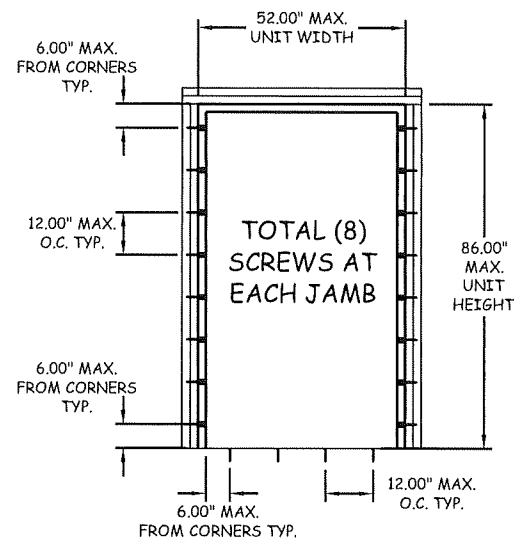
**3/8" DIA THRU EMT PIPE SLEEVE  
SELF-DRILLING SCREWS**  
**ANCHOR LOCATION**  
INSTALLATION INTO STRUCTURAL STEEL



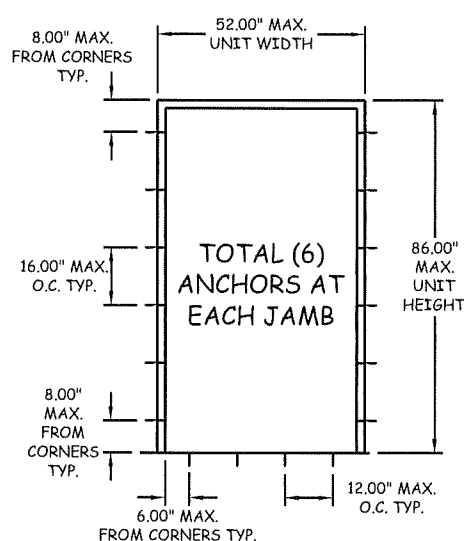
**DYNABOLT SLEEVE ANCHOR**  
**ANCHOR LOCATION**  
INSTALLATION INTO EXIST. MASONRY (GROUT FILLED BLOCKS)  
OR CONCRETE



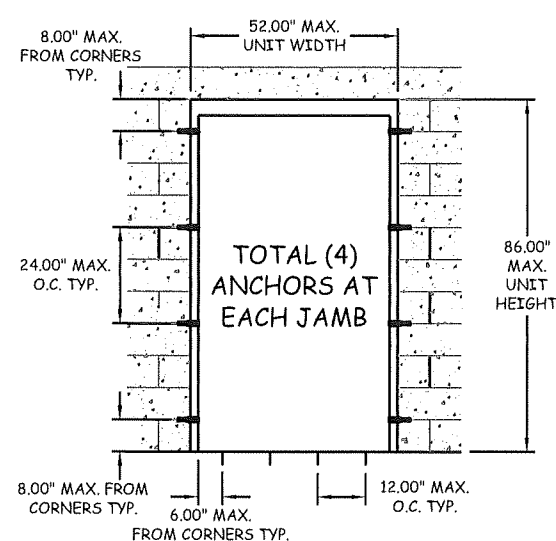
**3/16" Ø WIRE ANCHOR & 16 GA. T-ANCHOR OR 1/2" Ø**  
**ANCHOR LOCATION**  
INSTALLATION INTO EXIST. MASONRY  
(GROUT FILLED BLOCKS)



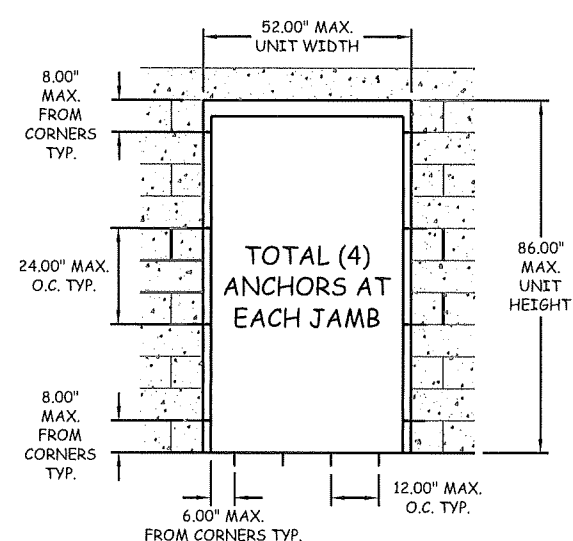
**3/8" DIA. LAG SCREWS**  
**ANCHOR LOCATION**  
INSTALLATION INTO WOOD STRUCTURE



**3/8" DIA THRU EMT PIPE SLEEVE  
SELF-DRILLING SCREWS**  
**ANCHOR LOCATION**  
INSTALLATION INTO STRUCTURAL STEEL

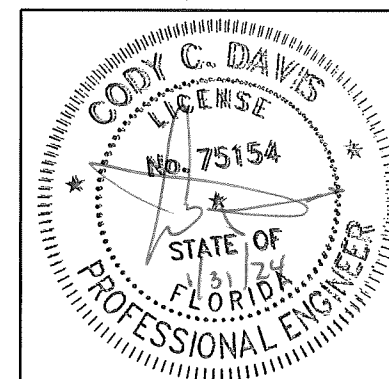


**DYNABOLT SLEEVE ANCHOR**  
**ANCHOR LOCATION**  
INSTALLATION INTO EXIST. MASONRY (GROUT FILLED BLOCKS)  
OR CONCRETE



**3/16" Ø WIRE ANCHOR & 16 GA. T-ANCHOR OR 1/2" Ø**  
**ANCHOR LOCATION**  
INSTALLATION INTO EXIST. MASONRY  
(GROUT FILLED BLOCKS)

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0312.04  
Expiration Date 08/22/2029  
By Isaac I. Chan  
Miami-Dade Product Control



FULL LOUVERED STEEL DOOR

DRAWING NUMBER QEP005

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

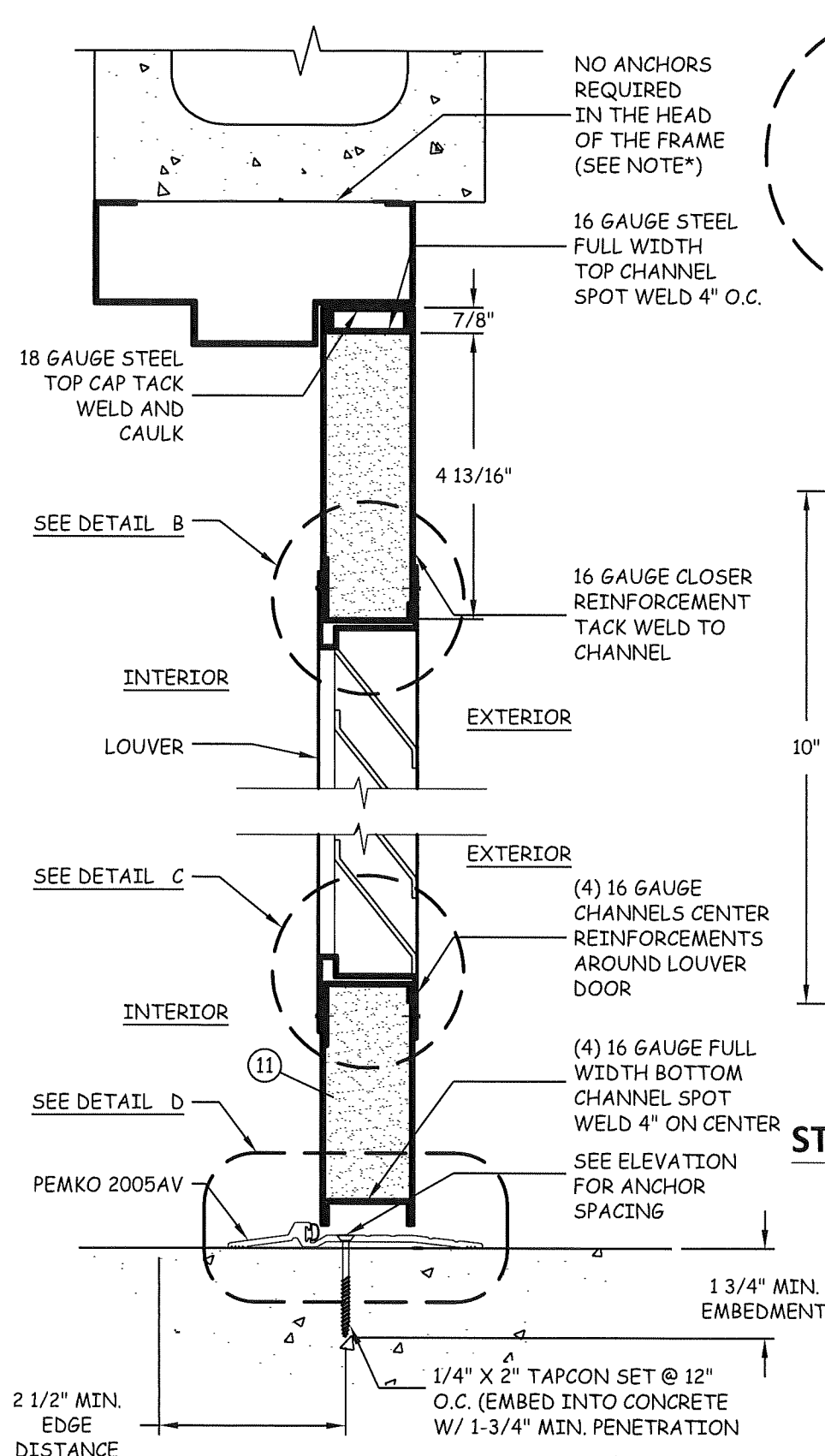
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REVISIONS  
02-26-16 (FBC2014)  
02-10-21 (FBC2020)  
01-31-24 (FBC2023)

FULL LOUVERED STEEL DOOR  
VERTICAL SECTIONS &  
DETAILS

SHEET 4 OF 7

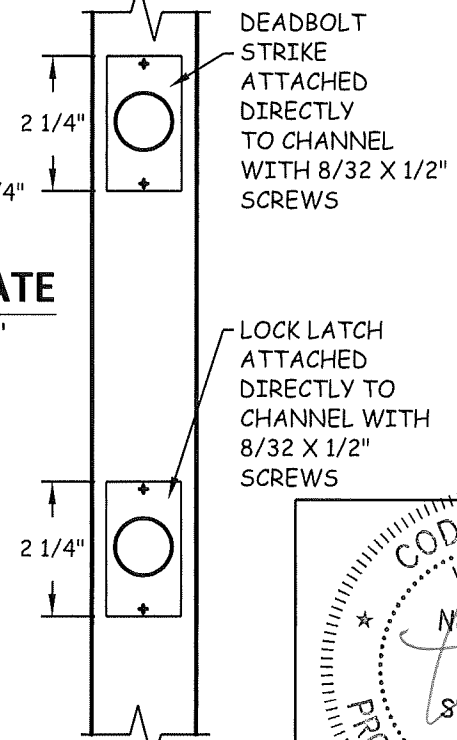
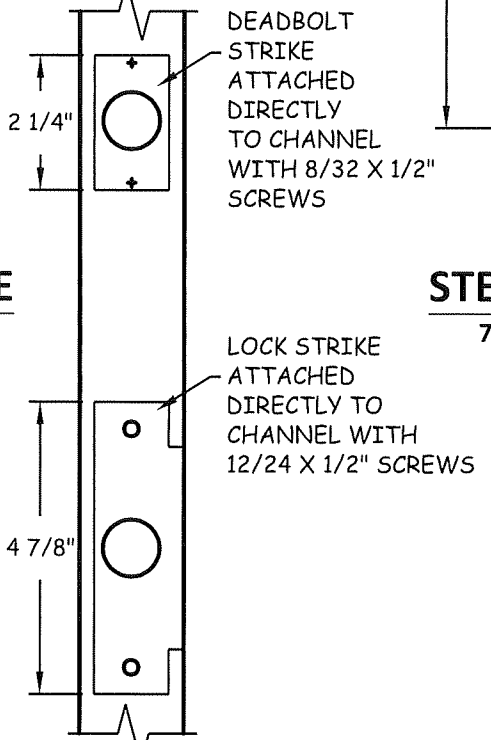
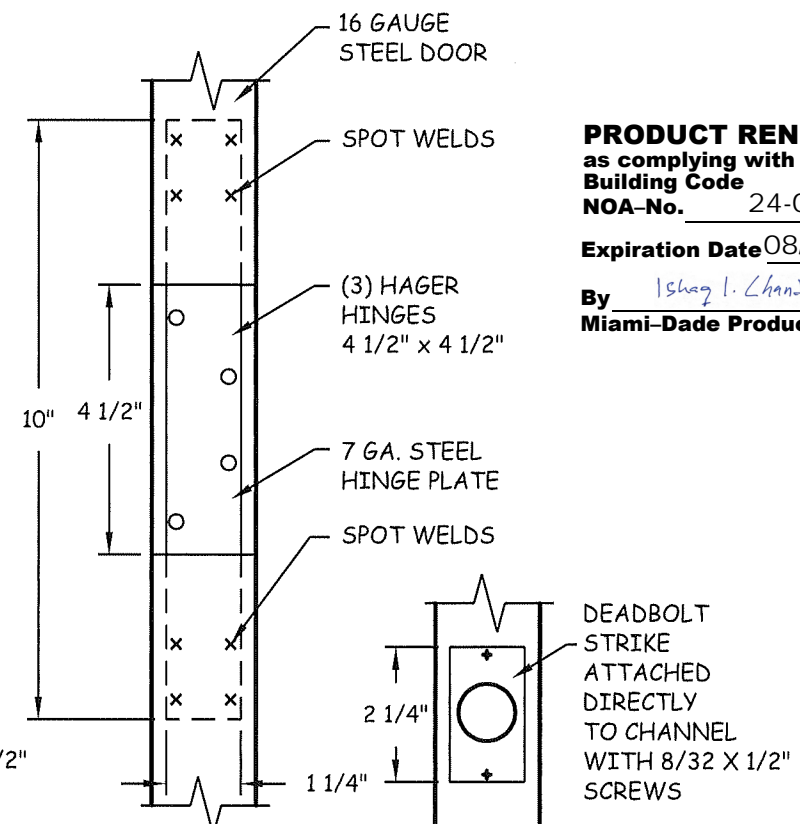
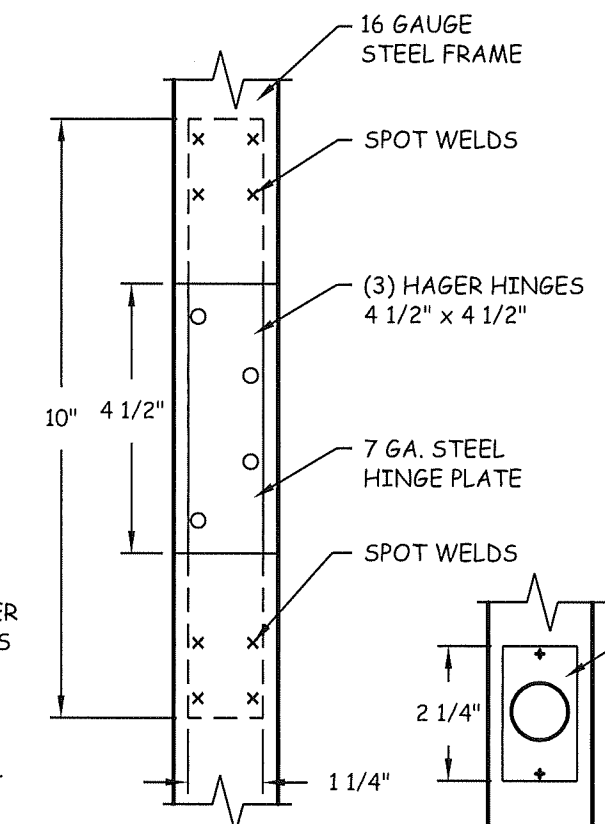
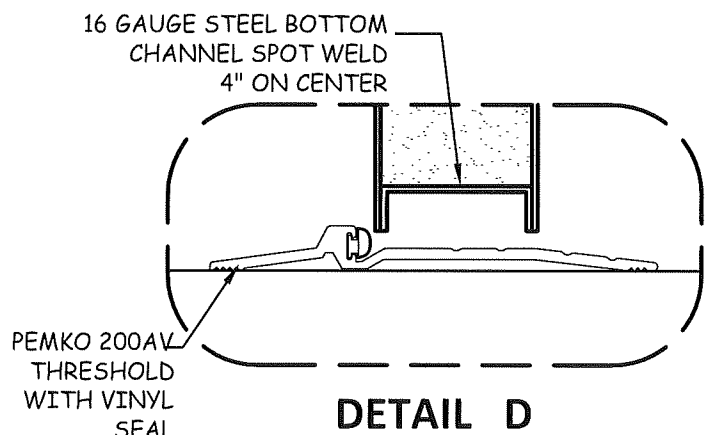
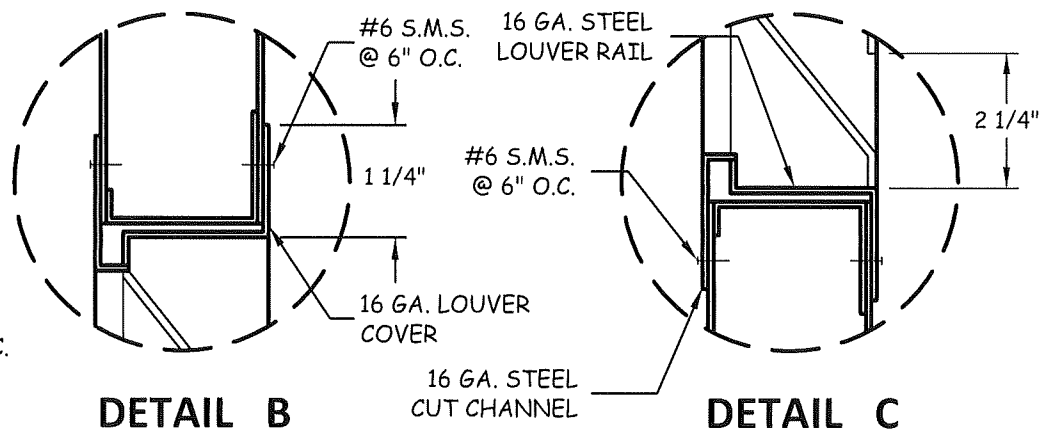
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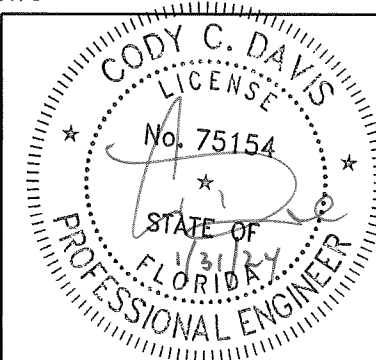
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**4**

**VERTICAL SECTION**  
CONCRETE/MASONRY

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



**PRODUCT RENEWED**  
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NOA-No. 24-0312.04  
Expiration Date 08/22/2029  
By Ishag I. Chande  
Miami-Dade Product Control



DRAWING NUMBER QEP005 FULL LOUVERED STEEL DOOR

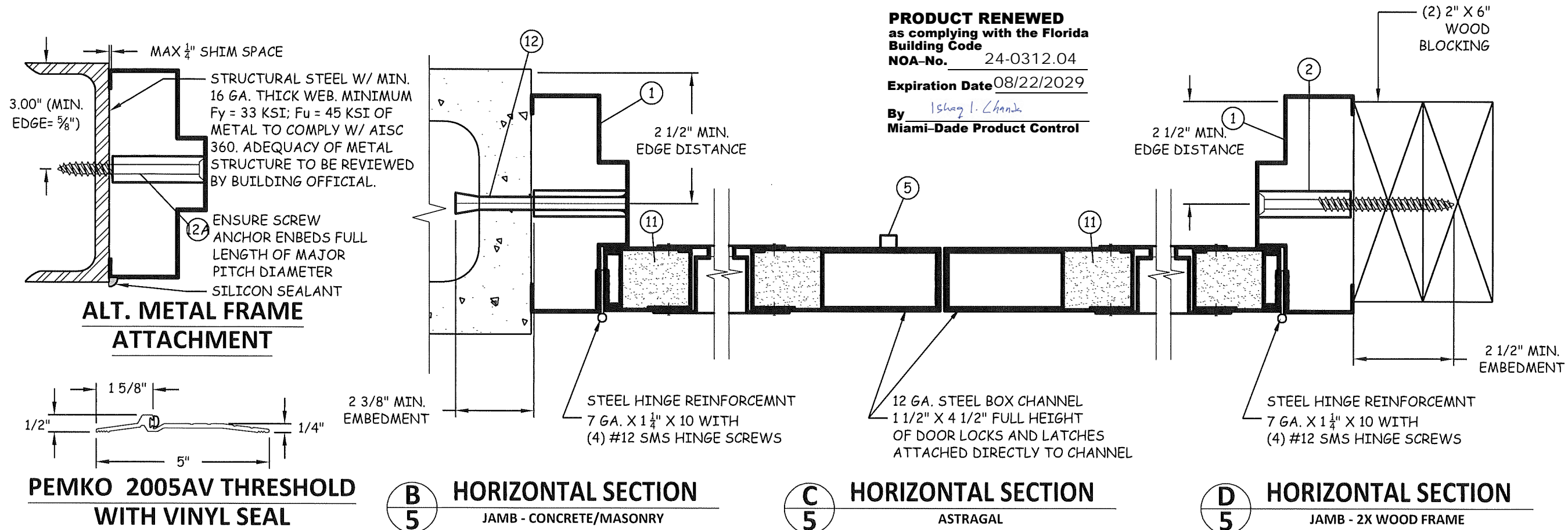
REVISIONS  
02-26-16 (FBC2014)  
02-10-21 (FBC2020)  
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FULL LOUVERED STEEL DOOR  
VERTICAL SECTIONS &  
DETAILS

SHEET 5 OF 7  
DATE 01-31-2024

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BILL OF MATERIALS		
MARK	QUANTITY	DESCRIPTION
1	1	16 GA. (.063) MIN. (14 GA. Max) STEEL HOLLOW METAL FRAME (OR 304 SS)
2	SEE ELEV.	3/8" X 6" WOOD LAG SCREWS W/ 3/4" EMT PIPE SLEEVE
3	2	16 GA. (.063) MIN. (14 GA. Max) STEEL HOLLOW METAL DOORS (OR 304 SS) W/ LOUVERS Fy MIN. = 41,200 PSI / Fu MIN. = 57,600 PSI)
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/ #12 WOOD SCREWS OR 3/16" ITW TAPCONS (SEE ELEV.)
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.	WIRE ANCHOR
18	SEE ELEV.	T-ANCHOR

FULL LOUVERED STEEL DOOR

DRAWING NUMBER QEP005

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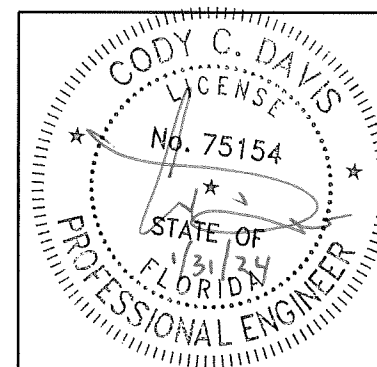
FULL LOUVERED STEEL DOOR  
HORIZONTAL SECTIONS,  
BILL OF MATERIALS & DETAILS

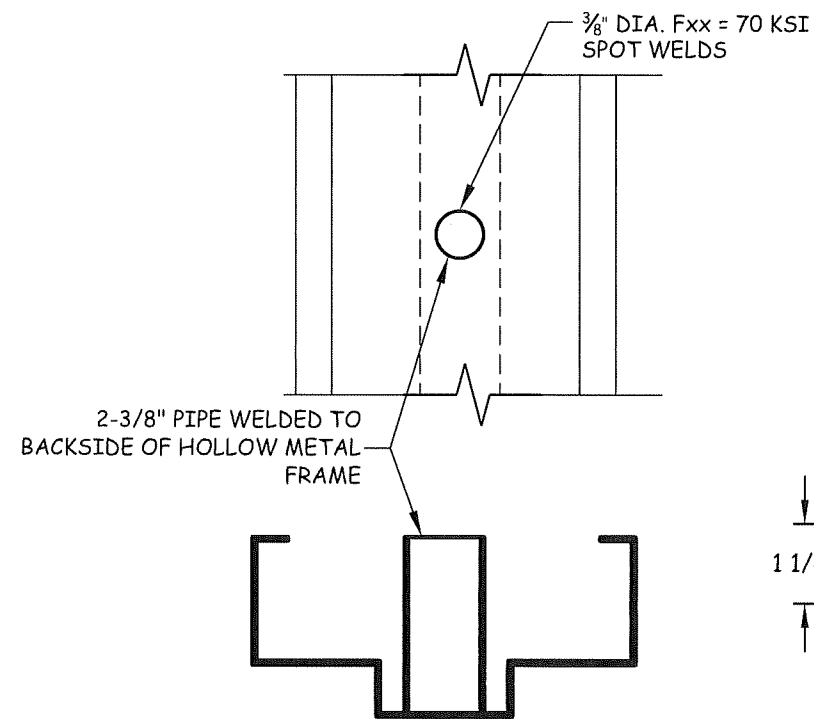
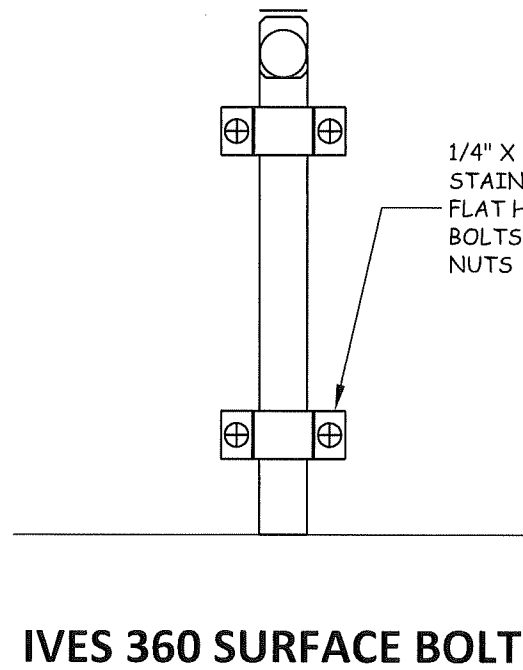
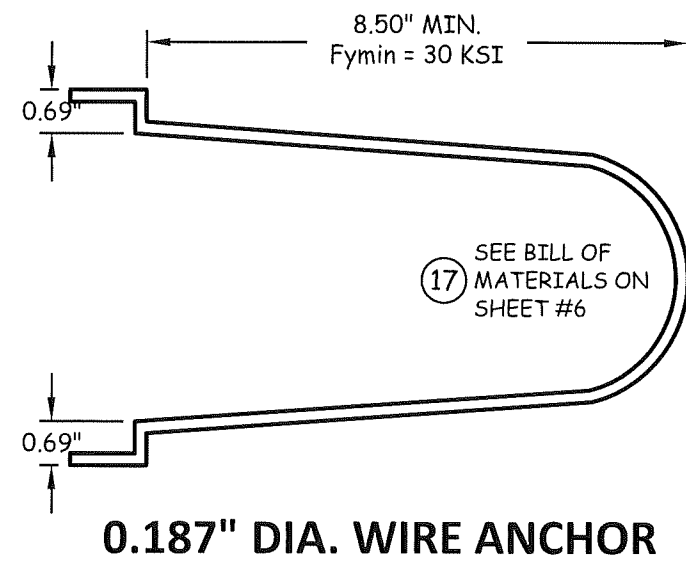
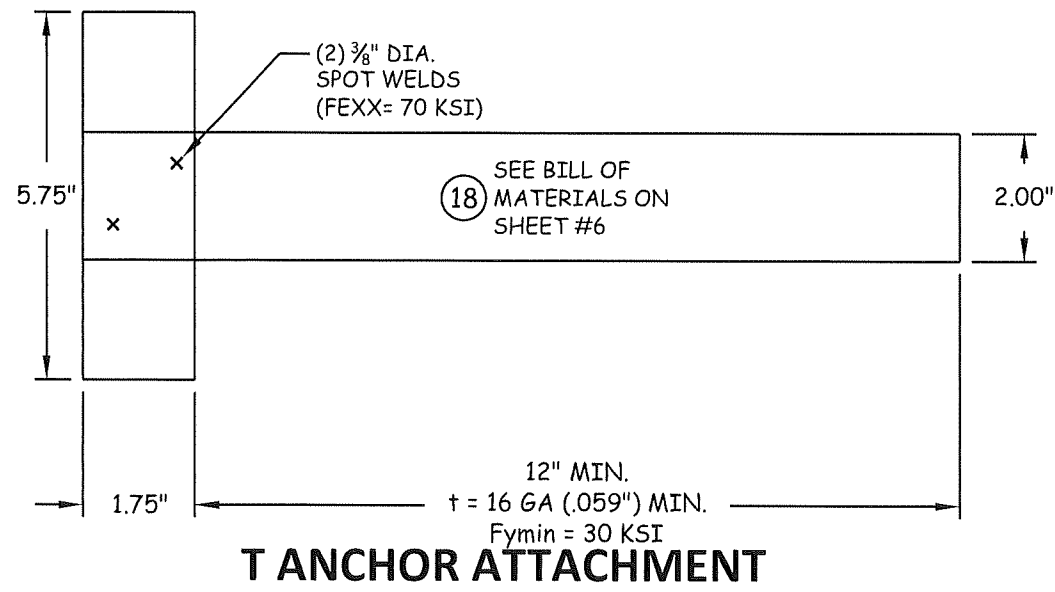
SHEET 6 OF 7

DATE 01-31-2024

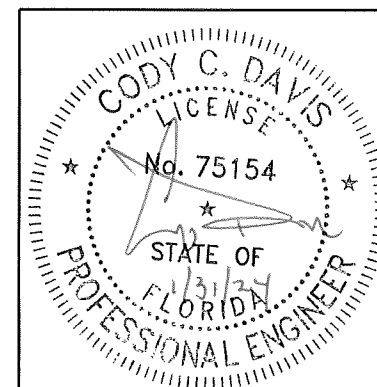
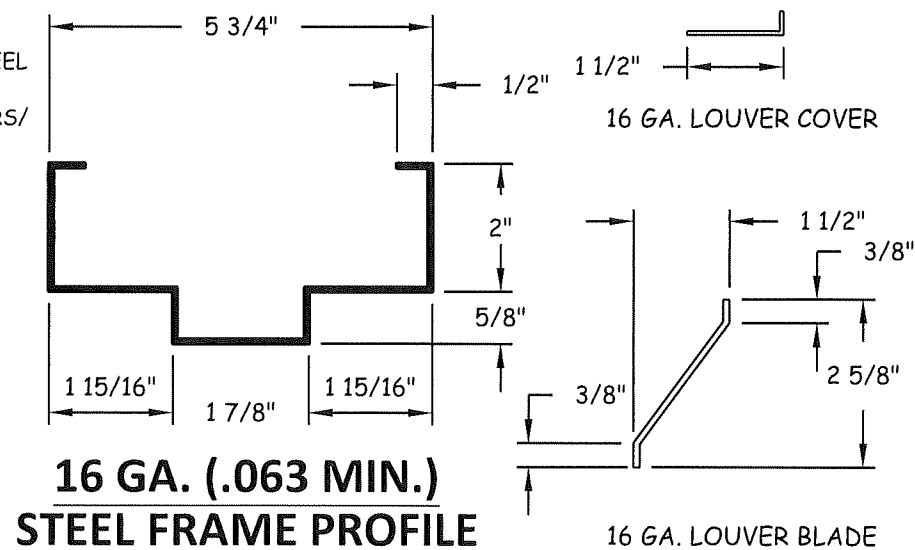
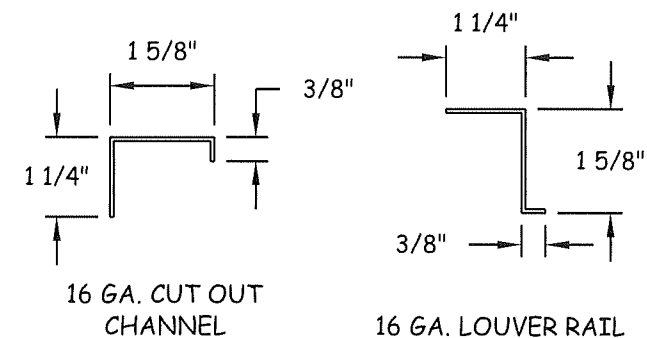
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**PRODUCT RENEWED**  
as complying with the Florida Building Code  
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Expiration Date 08/22/2029  
By *Isaac I. Chanda*  
Miami-Dade Product Control



FULL LOUVERED STEEL DOOR

DRAWING NUMBER QEPO05

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

SHEET 7 OF 7

DATE 01-31-2024