



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 "HMS" Glazed 16 ga Steel Storefront System-Impact

APPROVAL DOCUMENT: Drawing No. QEP004 Rev 3, titled "Storefront System (LMI)", sheets 1 through 16 of 16, prepared by manufacturer, dated 02/26/16 and last revised on 10-15-25, signed and sealed by David M.

Schonacher, 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. Louvered Transom, as part of Storefront, is **not** approved where Air & Water infiltration is needed.

2. See sheet **6** for glazing details A and B.

3. See approved installation substrates in sheet **8** thru **12**. Item # 5 (Welded pipe Sleeve) is required with 1/2" Sleeve w/ 3/8" bolt anchors (thru storefront frames) into Concrete or grout filled CMU or block substrates. Illustrative frame Hinge Jamb detail **A/16** on sheet **16** to be mounted per installation details sheets **8** thru **10**.

4. See Precision Removable door mullion installation details in sheet **10**.

5. See vertical & horizontal 16 ga steel (6" deep) mullion (item#14) details in sheets **7** & **16**.

6. Approved EPS core by Dynaplast (Former Apache) 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 #23-1218.03 and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



QC
10/21/25

NOA No. 25-0917.04
Expiration Date: August 27, 2029
Approval Date: October 30, 2025
Page 1

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED under previous NOA

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under files #12-1115.11 / 09-0617.03)
2. Drawing No. **QEP004**, titled "Storefront System (LMI)", sheets 1 through 13 of 13, prepared by manufacturer, dated 06/10/09 and last revised on 10/07/09, signed and sealed by David M. Schonacher, Jr., P. E.

B. TESTS (Submitted under files #12-1115.11 / 09-0617.03/ 04-0218.01)

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
 - 6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of glazed steel storefront, prepared by Certified Testing Laboratories Inc., Test Reports No(s). **CTLA 976W-1, 976W-2, 1976W-3 and 1976W-4**, dated December 08,2003, signed & sealed by Ramesh Patel, P. E

Note: This test report has been revised by addendum letter dated May 06, 2004 and 09-15-09, issued by Certified Testing Lab. Inc, signed & sealed by Ramesh Patel, P. E.

C. CALCULATIONS

1. Anchor verification calculations, dated 10-07-09, prepared, signed and sealed by David M. Schonacher, Jr., P.E. (Submitted under file # **09-0617.03**).

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

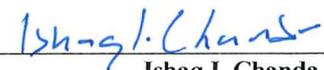
1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 1023J (CTL976W-1, 2, 3 & 4)**, tested per ASTM E-A370-97, dated December 11,2003, signed and sealed by Ramesh Patel, P. E. (Submitted under file # **09-0617.03**)
2. Notice of Acceptance No. **11-0926.07** issued to Dyplastic Products, LLC (former Apache Products Co) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2017.
3. Notice of Acceptance No. **13-1126.20** issued to Allnex, USA, Inc. (former Cytec Industries Inc.) for "Uvekol-S Laminated Glass interlayer", expiring on 02/08/2019.

F. STATEMENTS

1. Statement letter of conformance to FBC 2010 and "no financial interest", dated 01/15/13, signed and sealed by David M. Schonacher Jr., P. E.
2. Statesman letter of conformance to FBC 2007 and "No financial interest", dated August 27, 2009, signed and sealed by David M. Schonacher Jr., P. E. (Submitted under file # **09-0617.03**)
3. Statement letter of compliance, as a part of the above referenced test reports.

G. OTHER

1. This revises NOA # 12-1115.11, expiring August 27, 2019.
2. Test Proposal by Q. E. P. dated September 19, 2002, approved by BCCO.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0917.04
Expiration Date: August 27, 2029
Approval Date: October 30, 2025

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under file #15-0422.06

A. DRAWINGS

1. Drawing No. **QEP004**, titled "Storefront System (LMI)", sheets 1 thru 13 of 13, prepared by manufacturer, dated 06/10/09 and last revised on 10/07/09, signed and sealed by David M. Schonacher, Jr., P. E.

B. TESTS

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. **16-1129.05** issued to Dyplastic Products, LLC (former Apache Products Co) for "E & R Expanded Rigid Foam Insulation", expiring on 01/11/2022.
2. Notice of Acceptance No. **17-0919.09** issued to Allnex, USA, Inc. (former Cytec Industries Inc.) for "Uvekol-S Laminated Glass interlayer", expiring on 02/08/2019.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition) and "no financial interest", dated 12/01/17, signed and sealed by David M. Schonacher Jr., P. E.

G. OTHER

1. This revises NOA # 15-0422.06, expiring August 27, 2019.

3. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **QEP004**, titled "Storefront System (LMI)", sheets 1 through 13 of 13, prepared by manufacturer, dated 06/10/09 and last revised on 10/07/09, signed and sealed by David M. Schonacher, J. R., P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

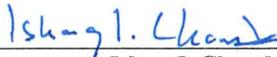
1. Notice of Acceptance No. **17-0919.09** issued to Allnex, USA, Inc. (former Cytec Industries Inc.) for "Uvekol-S Laminated Glass interlayer", expiring on 02/08/2019.

F. STATEMENTS (submitted under file #17-1102.04)

1. Statement letter of conformance to FBC 2017 (6th Edition) and "no financial interest", both dated 12/01/17, signed and sealed by David M. Schonacher Jr., P. E.

G. OTHER

1. This renews NOA # 19-0221.01, expiring 02/08/24.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0917.04
Expiration Date: August 27, 2029
Approval Date: October 30, 2025

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **QEP004 Rev 2**, titled "Storefront System (LMI)", sheets 1 through 16 of 16, prepared by manufacturer, dated 02/26/16 and last revised on 03-03-21, signed and sealed by David M. Schonacher, J. R., P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

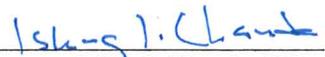
1. Notice of Acceptance No. **20-0901.03** issued to Allnex, USA, Inc. (former Cytec Industries Inc.) for "Uvekol-S Laminated Glass interlayer", expiring on 02/08/2024.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) and "no financial interest", both dated March 03, 2021, signed and sealed by David M. Schonacher Jr., P. E.

G. OTHER

1. This revises **NOA # 19-0603.04**, expiring 08/27/24.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 25-0917.04
Expiration Date: August 27, 2029
Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **QEP004 Rev 3**, titled "Storefront System (LMI)", sheets 1 through 16 of 16, prepared by manufacturer, dated 02/26/16 and last revised on 01-31-21, signed and sealed by David M. Schonacher, J. R., P. E.

B. Test

1. None.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC 2023(8^h 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

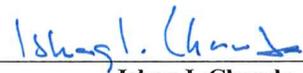
1. Notice of Acceptance No. **23-0815.25** issued to Allnex, USA, Inc. (former Cytec Industries Inc.) for "Uvekol-S Laminated Glass interlayer", (submittal under Review).

F. STATEMENTS

1. Statement letter of conformance to FBC 2023 (8th 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 Efwa, Manager.

G. OTHER

1. This NOA **revises & renews** conditionally NOA #20-1123.19, expiring 08/27/25.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0917.04

Expiration Date: August 27, 2029

Approval Date: October 30, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. New EVIDENCE SUBMITTED

1. Drawing No. **QEP004 Rev 3**, titled "Storefront System (LMI)", sheets 1 through 16 of 16, prepared by manufacturer, dated 02/26/16 and last revised on 10-15-25, signed and sealed by David M. Schonacher, P. E.

Note: This revision consists of adding glazing w/ Saflex Pvb interlayer.

B. Test

1. Test reports 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 one sample verification hybrid glazed steel storefront w/lovers and one sample of 3 panel Window wall system, prepared by PRI construction Materials Technologies, LLC, Test Reports No(s). **Proj. # 285T0003**, dated 09/05/25, signed & sealed by Zach Priest, P. E.

C. CALCULATIONS (submitted under previous approval)

1. Anchor verification calculations complying w/ FBC 2023(8^h 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. Notice of Acceptance No. **23-0713.18** issued to Eastman Chemical Company, (MA) for "Saflex PVB clear and colored interlayer for laminated glass", expiring 05/21/26.

F. STATEMENTS

1. Statement part of DWG # QEP004 of conformance to FBC 2023 (8th Edition) dated 10/15/25, prepared by Master Consulting Inc., signed and sealed by Cody C. Davis, P.E.

G. OTHER

1. This NOA **revises & renews NOA #23-1218.03**, expiring 08/27/29.
2. Hybrid Storefront w/louwer verification test proposal approved by RER and e-mail Window wall test proposal dated 04/07/25 approved by RER.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 25-0917.04

Expiration Date: August 27, 2029

Approval Date: October 30, 2025

INSTALLATION NOTES:

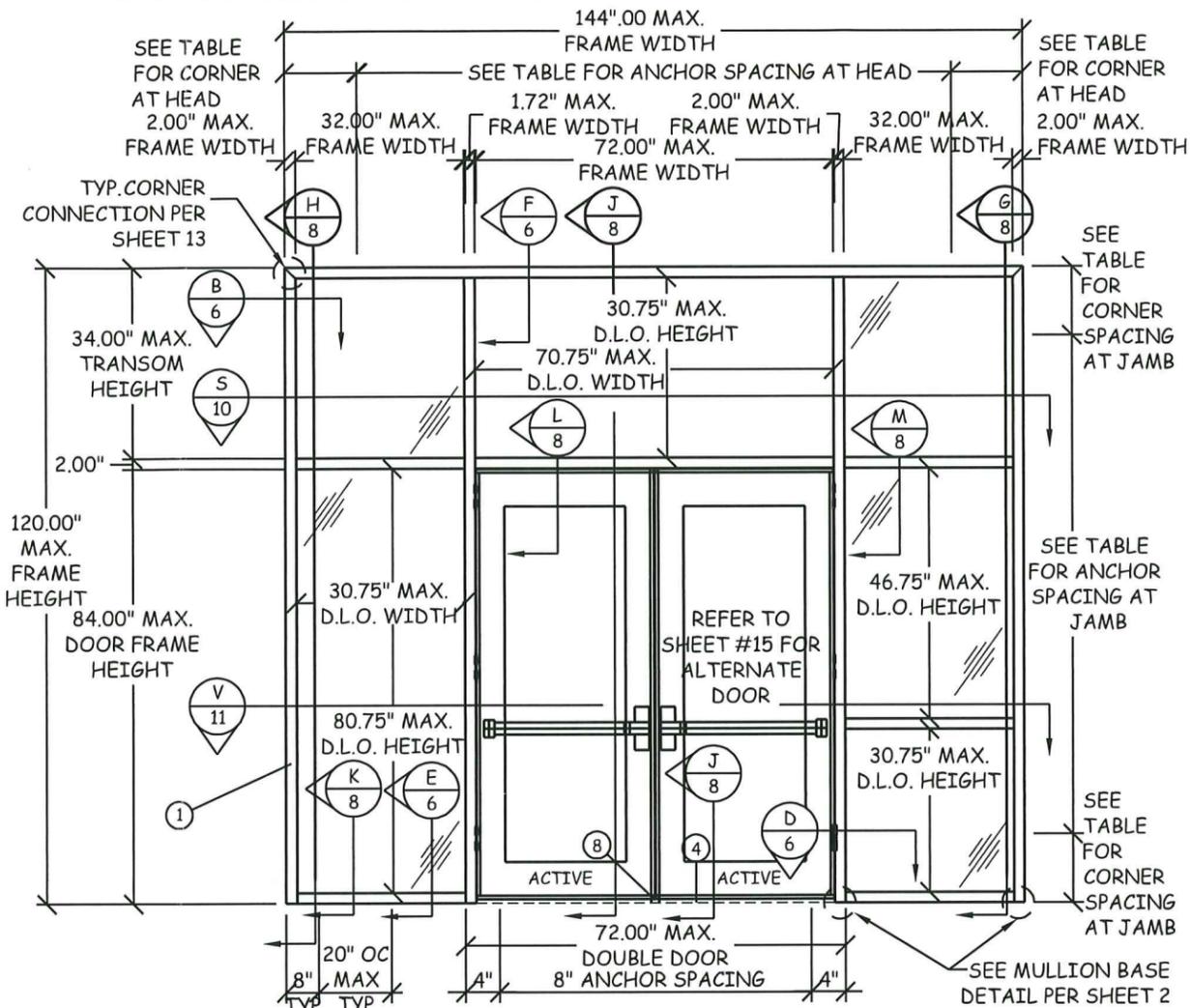
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR 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)
- 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 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 WITH 2 KSI STRENGTH (OR GREATER) WITH MINIMUM 3,000 PSI GROUT.
 - STRUCTURAL STEEL - MEMBER TO COMPLY WITH AISC 360. ADEQUACY OF METAL STRUCTURE TO BE REVIEWED BY BUILDING OFFICIAL.

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
 - TAS 203-94
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND STRUCTURAL STEEL 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 RECORD FOR THE PROJECT OF INSTALLATION.
- 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 FRAME MATERIAL: 16 GA. OR 14 GA. STEEL MEETING F_y MIN=46.3KSI; F_u MIN=52.1KSI OR STAINLESS STEEL F_y MIN=50.5 KSI; F_u MIN=98.5KSI. MIL-CERTIFICATE REQUIRED FOR VERIFICATION OF AVAILABLE STRENGTH.
- DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
 - X: OPERABLE PANEL
 - O: FIXED PANEL

QUALITY ENGINEERED PRODUCTS

STOREFRONT SYSTEM - IMPACT



**OUTSWING DOOR
(INTERIOR VIEW)**

Anchor and Spacing Table

ANCHOR	SUBSTRATE	MAX SPACING		JAMB		HEAD	
		JAMB	HEAD	NUMBER OF ANCHORS	MAX CORNER SPACING	NUMBER OF ANCHORS	MAX CORNER SPACING
DYNABOLT	CMU	18"	20"	7 TOTAL	8"	8 TOTAL	8"
SCREW	STEEL	12"	12"	11	6"	13	6"

DESIGN PRESSURE RATING (STOREFRONT SYSTEM)			
	WHERE AIR & WATER INFILTRATION REQUIREMENTS IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENTS IS NOT NEEDED	MISSILE IMPACT RATING
POSITIVE	+60 PSF	+60 PSF	LARGE & SMALL MISSILE IMPACT RATED
NEGATIVE	-60 PSF	-60 PSF	LARGE & SMALL MISSILE IMPACT RATED

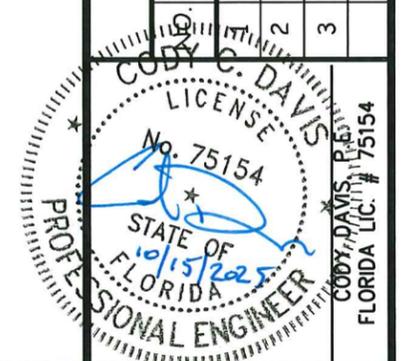
Quality Engineered Products Co., Inc.

TITLE: STOREFRONT SYSTEM (LMI)
LOUVER ELEVATION & DETAILS

PREPARED FOR: QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634

PH: 813.885.1693 FX: 813.884.2673

REVISIONS	DESCRIPTION	BY	DATE
		CD	02.26.16
	2014 FBC	TA	02.15.21
	2020 FBC	TA	01.31.24
	2023 FBC		

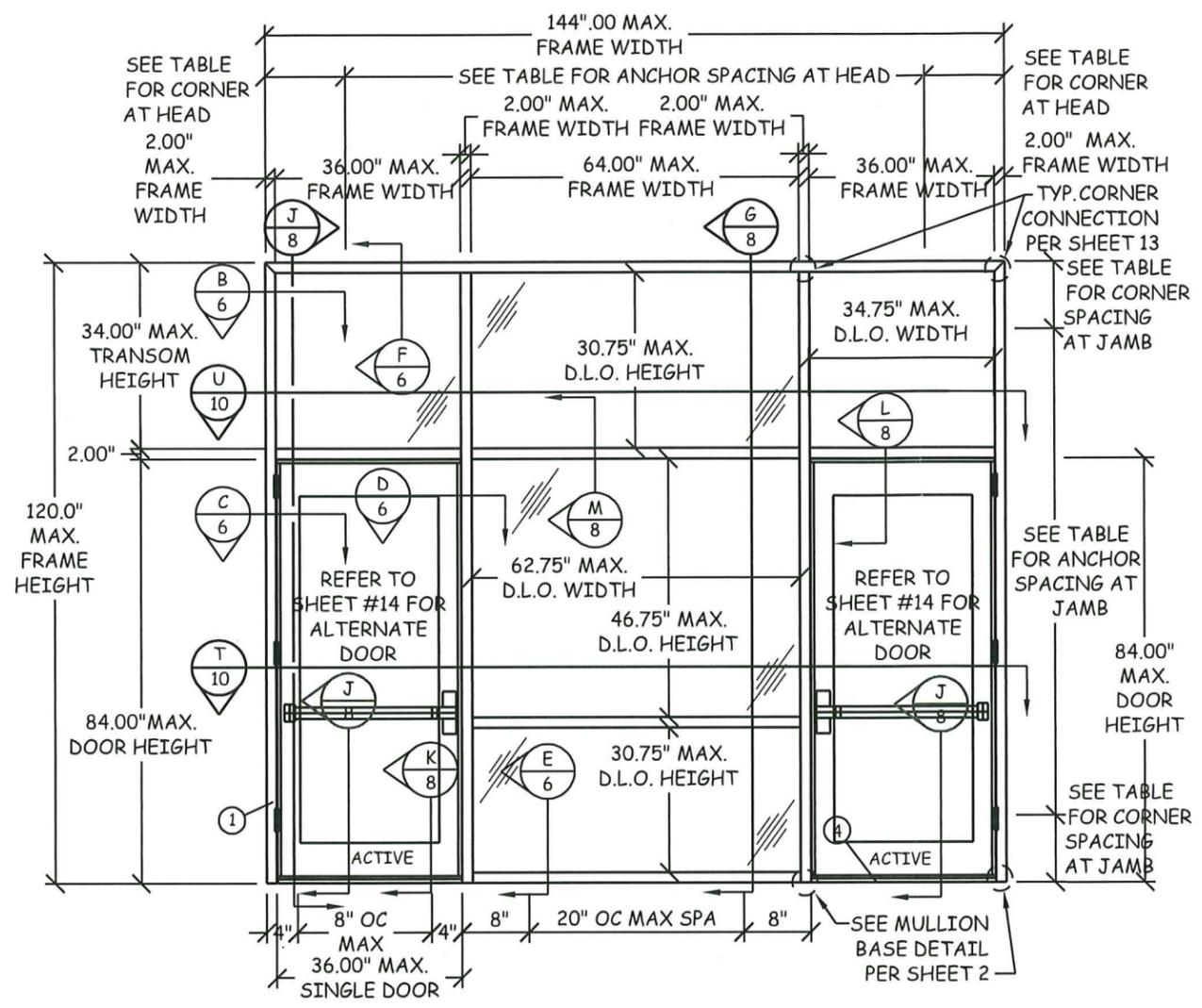


PRODUCT REVISED
in compliance with the Florida Building Code
Acceptance No. 25-0917.04
Expiration Date 8/27/2029

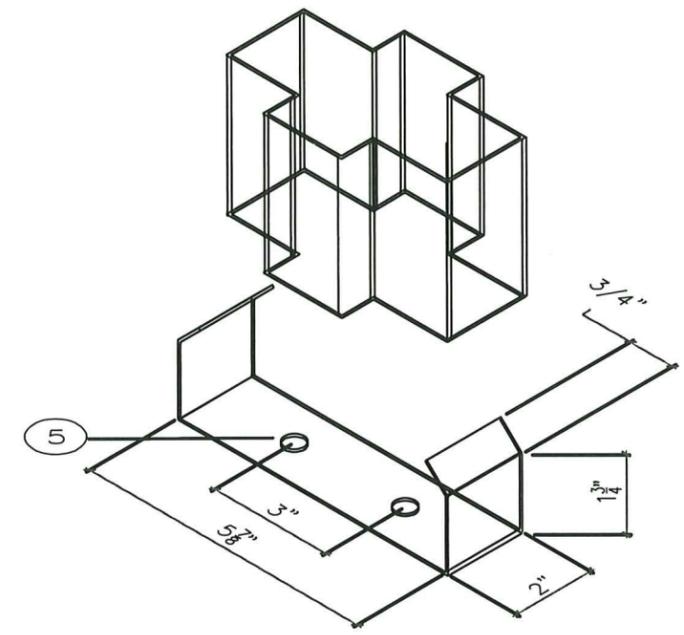
By: Ishag I. Chaudhry
Miami Dade Product Control

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

DWG #: QEP004
SHEET: 1 OF 16



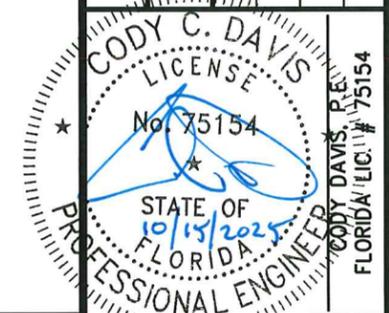
**OUTSWING DOOR
(INTERIOR VIEW)**



MULLION BASE DETAIL

TITLE: STOREFRONT SYSTEM (LMI)
LOUVER ELEVATION & DETAILS
PREPARED FOR: QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS		NO.	DESCRIPTION	BY	DATE
1	2014 FBC	CD			02.26.16
2	2020 FBC	TA			02.15.21
3	2023 FBC	TA			01.31.24



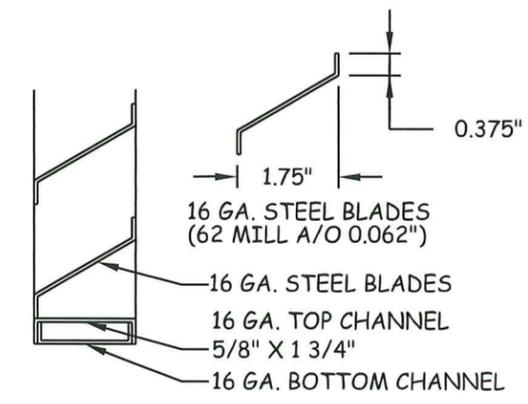
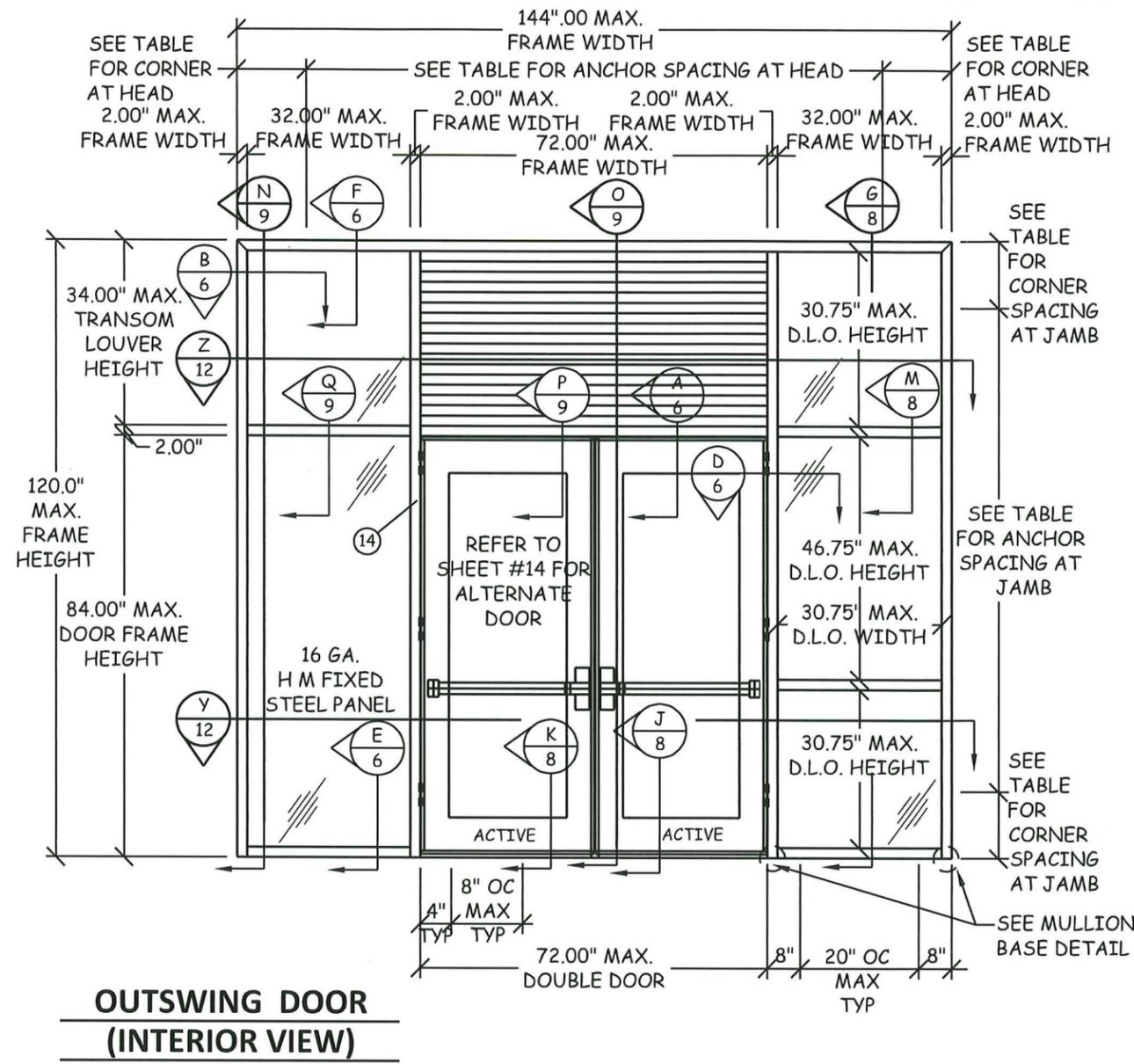
Anchor and Spacing Table

ANCHOR	SUBSTRATE	MAX SPACING		JAMB		HEAD	
		JAMB	HEAD	NUMBER OF ANCHORS	MAX CORNER SPACING	NUMBER OF ANCHORS	MAX CORNER SPACING
DYNABOLT	CMU	18"	20"	7 TOTAL	8"	8 TOTAL	8"
SCREW	STEEL	12"	12"	11	6"	13	6"

	DESIGN PRESSURE RATING (STOREFRONT SYSTEM)		
	WHERE AIR & WATER INFILTRATION REQUIREMENTS IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENTS IS NOT NEEDED	MISSILE IMPACT RATING
POSITIVE	+60 PSF	+60 PSF	LARGE & SMALL MISSILE IMPACT RATED
NEGATIVE	-60 PSF	-60 PSF	LARGE & SMALL MISSILE IMPACT RATED

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0917-04
Expiration Date 8/27/2029
By *Ishang J. Chuan*
Miami Dade Product Control

DATE: 02.26.16
DWN BY: GRN
CHK BY: CCD
SCALE: NTS
DWG #: QEP004
SHEET: 2 OF 16



VERTICAL SECTION
LOUVER INSERT
WELDED TO FRAME

Anchor and Spacing Table

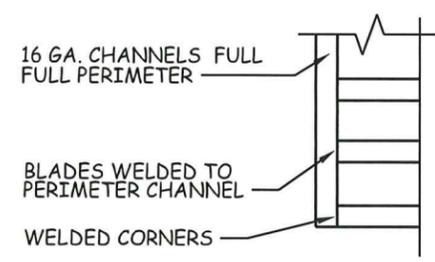
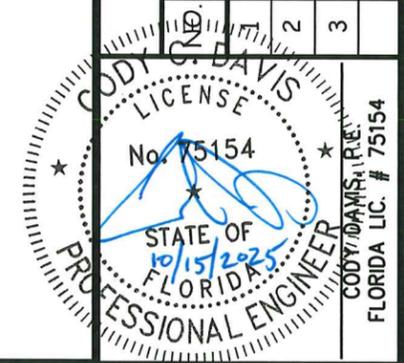
ANCHOR	SUBSTRATE	MAX SPACING		JAMB		HEAD	
		JAMB	HEAD	NUMBER OF ANCHORS	MAX CORNER SPACING	NUMBER OF ANCHORS	MAX CORNER SPACING
DYNABOLT	CMU	18"	20"	7 TOTAL	8"	8 TOTAL	8"
SCREW	STEEL	12"	12"	11	6"	13	6"

DESIGN PRESSURE RATING (STOREFRONT SYSTEM)			
	WHERE AIR & WATER INFILTRATION REQUIREMENTS IS NEEDED	WHERE AIR & WATER INFILTRATION REQUIREMENTS IS NOT NEEDED	MISSILE IMPACT RATING
POSITIVE	NOT APPROVED	+60 PSF	LARGE & SMALL MISSILE IMPACT RATED
NEGATIVE	NOT APPROVED	-60 PSF	LARGE & SMALL MISSILE IMPACT RATED

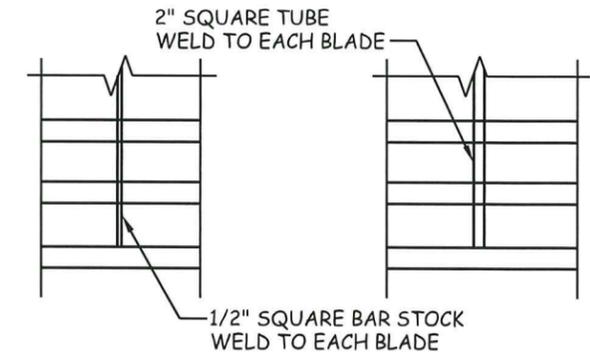
TITLE: STOREFRONT SYSTEM (LMI)
LOUVER ELEVATION & DETAILS

PREPARED FOR: QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16
2	2020 FBC	TA	02.15.21
3	2023 FBC	TA	01.31.24

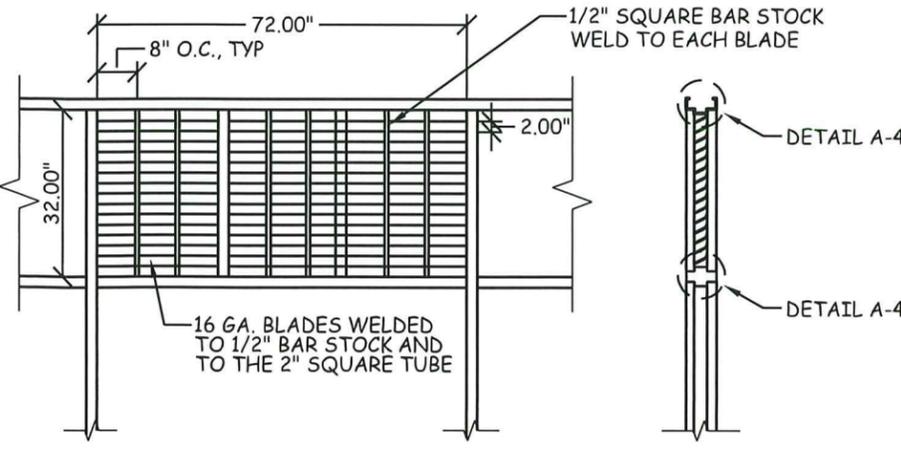


**LOUVER INSERT
CORNER DETAIL**

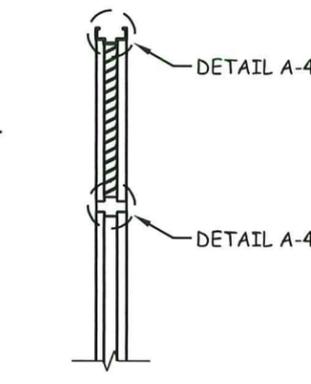


**LOUVER INSERT
DETAIL AT
1/2\"/>**

**LOUVER INSERT
DETAIL AT
2\"/>**



**TRANSOM LOUVER INSERT
WELDED TO FRAME**

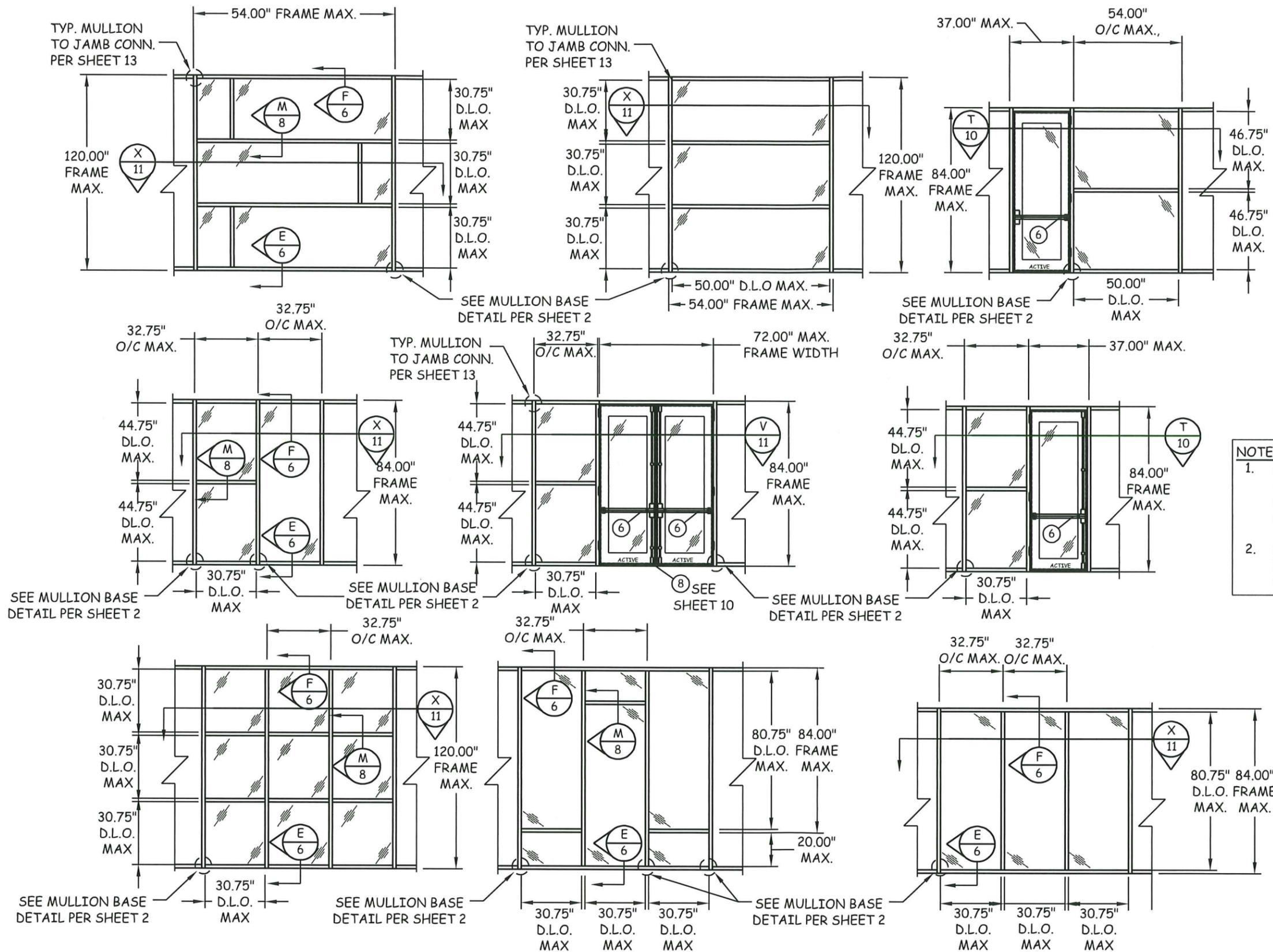


LOUVER SECTION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0917.04
Expiration Date 5/27/2029
By: [Signature]
Miami Dade Product Control

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

DWG #: **QEP004**
SHEET: **4 OF 16**

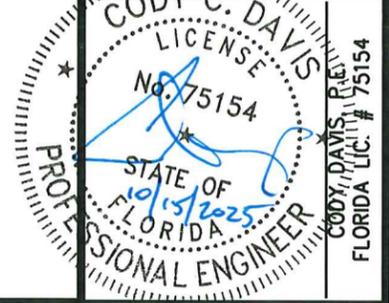


NOTES:

1. ANCHOR SPACING AT HEAD AND SILL TYP. FOR ALL CONDITIONS. SEE ANCHOR AND SPACING TABLE.
2. SEE MULLION BASE DETAIL 2, TYP. AT EACH VERTICAL MULLION.

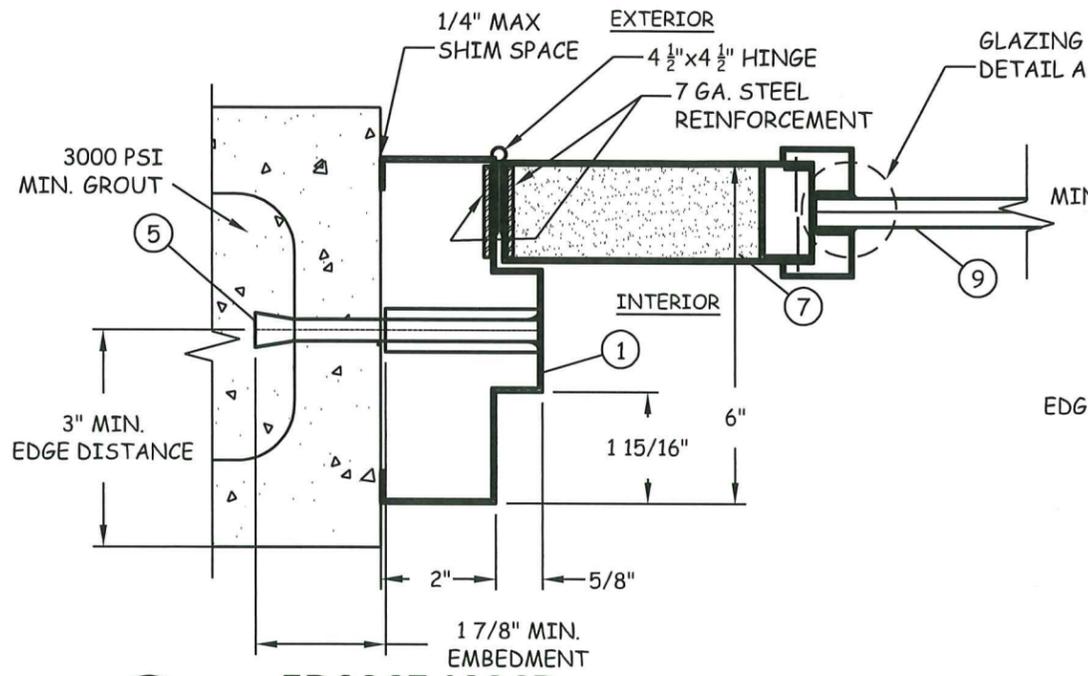
TITLE: STOREFRONT SYSTEM (LMI)
 CONFIGURATIONS PREPARED FOR:
 QUALITY ENGINEERED PRODUCTS
 4506 QUALITY LN.
 TAMPA, FL 33634
 PH: 813.885.1693 FX: 813.884.2673

REVISIONS		DESCRIPTION	BY	DATE
1	2014 FBC		CD	02.26.16
2	2020 FBC		TA	02.15.21
3	2023 FBC		TA	01.31.24

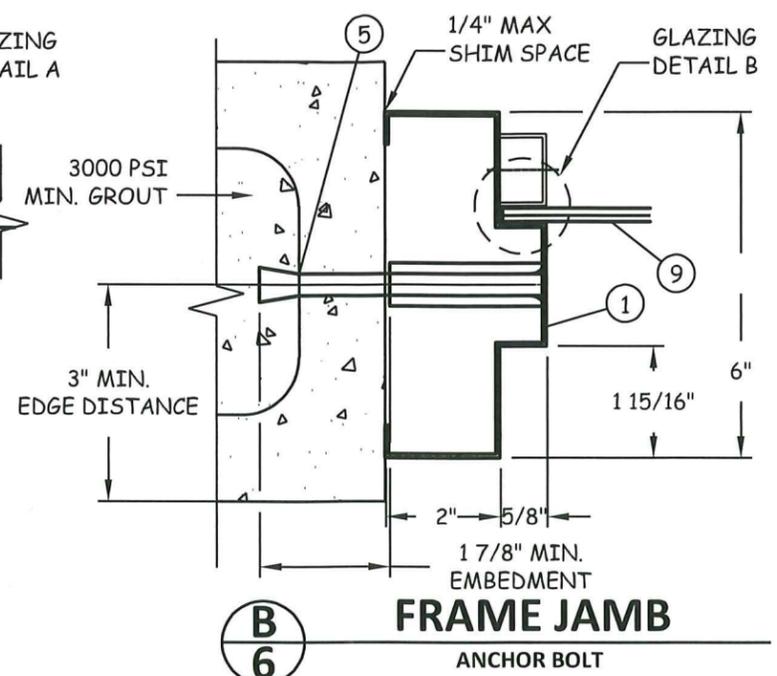


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 25-0917.04
 Expiration Date 5/27/2029
 By: Ishag I. U...
 Miami Dade Product Control

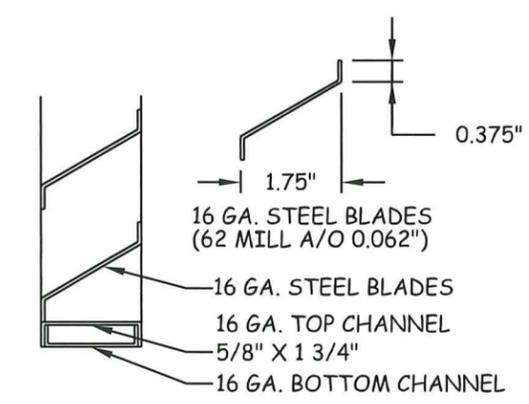
DATE: 02.26.16
 DWN BY: GRN
 CHK BY: CCD
 SCALE: NTS
 DWG #: QEP004
 SHEET: 5 OF 16



FRAME JAMB



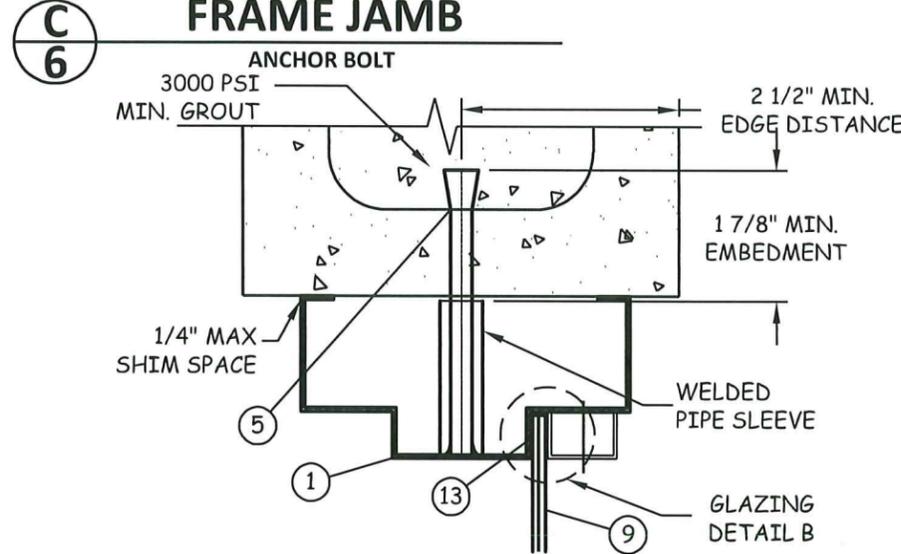
FRAME JAMB



VERTICAL SECTION

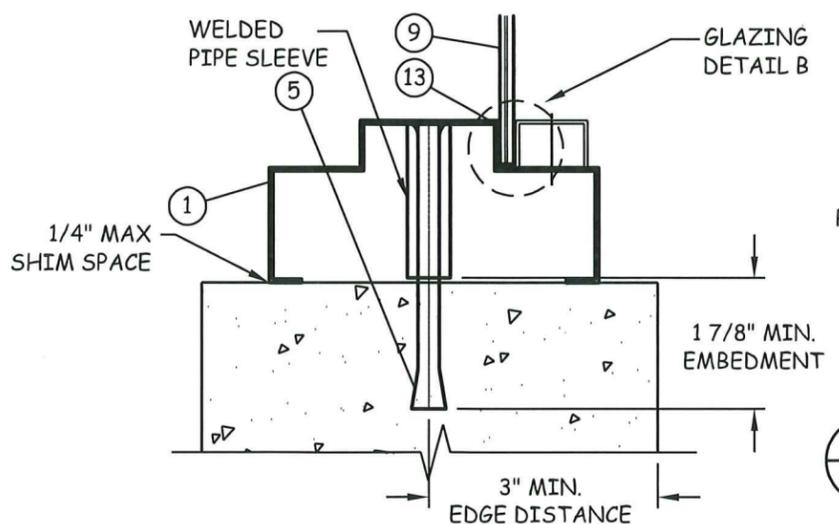
LOUVER INSERT
WELDED TO FRAME

1" X 5/8" 18 GA. WINDOW
STOPS W/ #6 SCREWS
10" O.C.



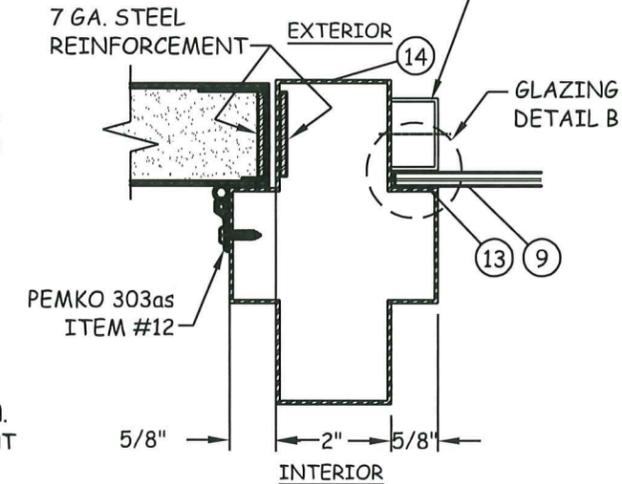
VERTICAL SECTION

HEAD- CONCRETE/MASONRY



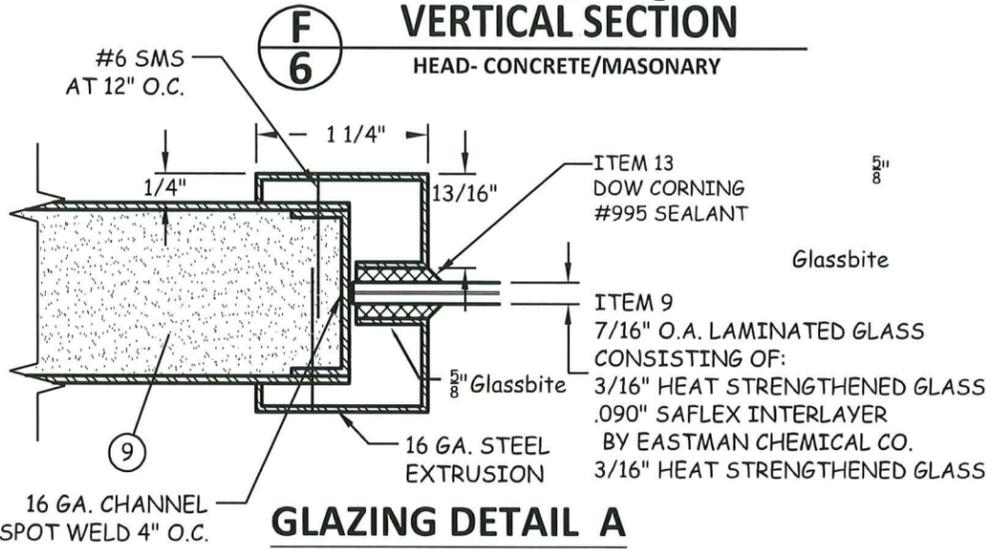
VERTICAL SECTION

SILL- CONCRETE/MASONRY

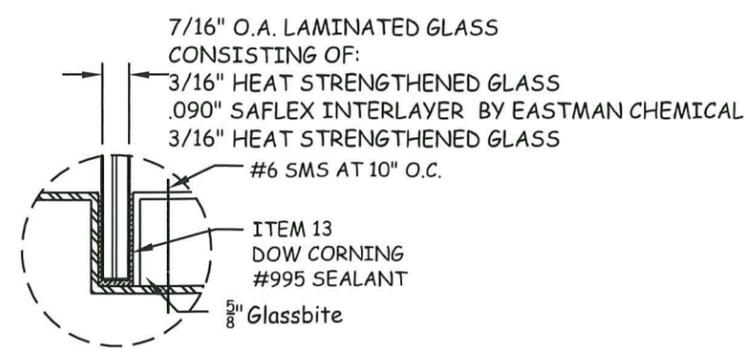


MULLION

STRIKE JAMB (SINGLE OUTSWING DOORS)
HINGE JAMB (PAIR OUTSWING DOORS)



GLAZING DETAIL A



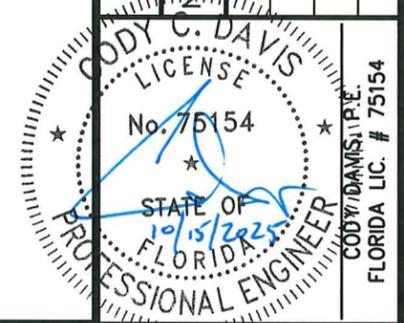
GLAZING DETAIL B

TITLE: STOREFRONT SYSTEM (LMI)
VERTICAL & HORIZONTAL
SECTIONS & GLZ DETAILS

PREPARED FOR:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16
2	2020 FBC	TA	02.15.21
3	2023 FBC	TA	01.31.24

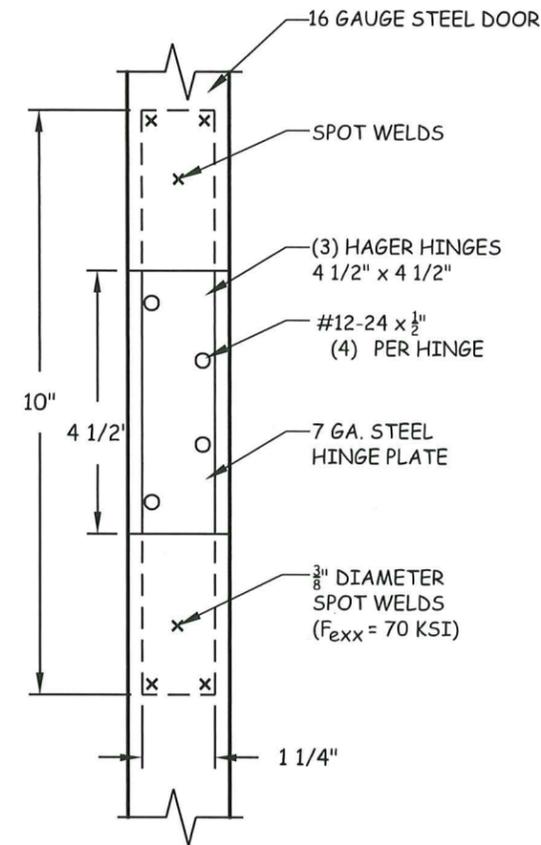


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0917.04
Expiration Date 4/27/2029

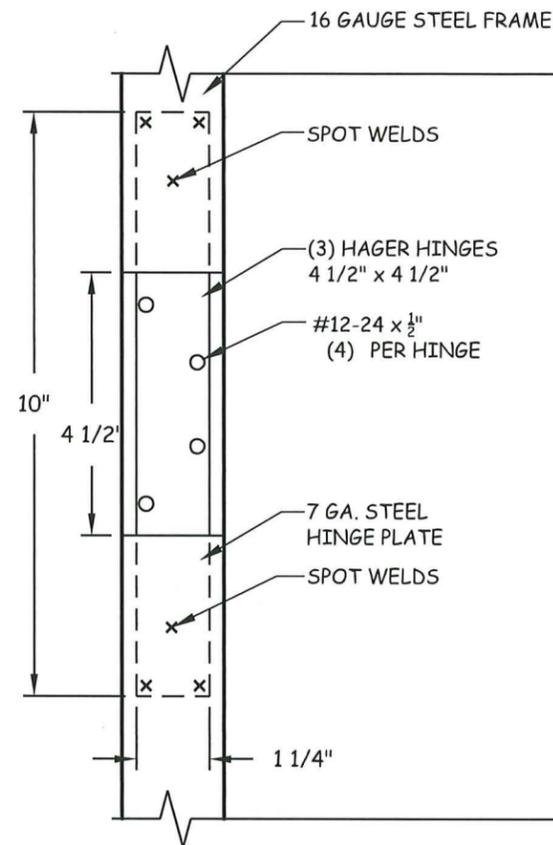
By *Isang J. Kim*
Miami Dade Product Control

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

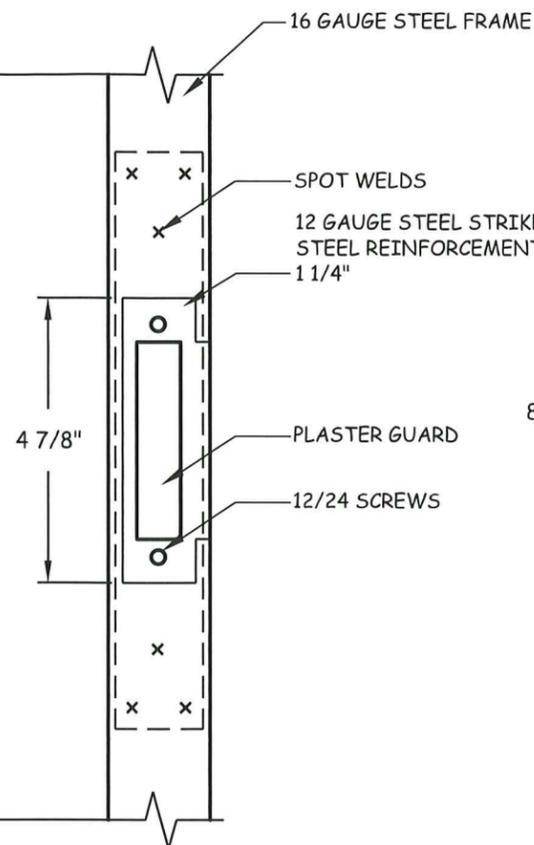
DWG #: **QEP004**
SHEET: **6 OF 16**



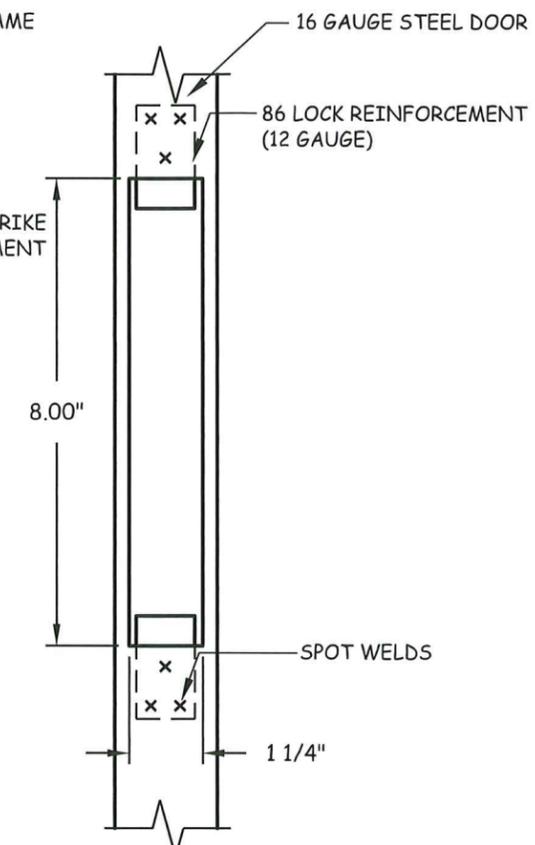
DOOR HINGE STEEL REINFORCEMENT



DOOR HINGE STEEL REINFORCEMENT

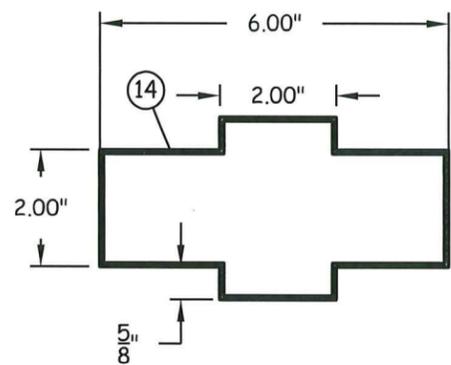


DOOR STRIKE STEEL REINFORCEMENT

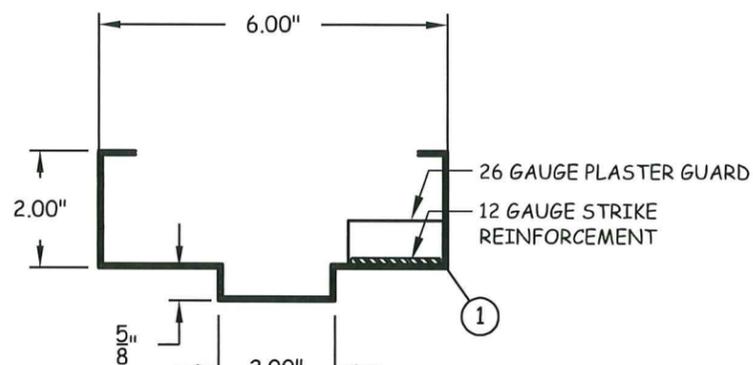


DOOR LOCK STEEL REINFORCEMENT

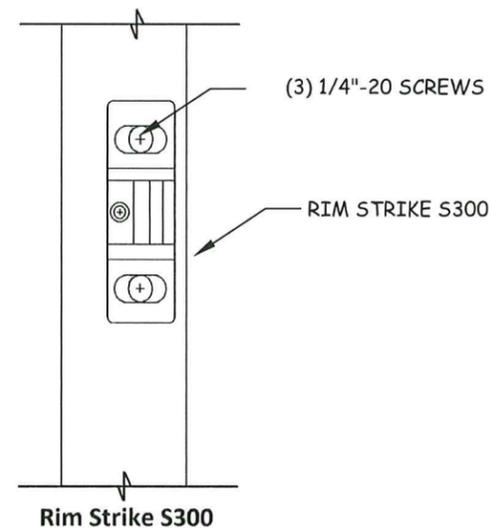
DETAIL A



16 GA. HORIZONTAL & VERTICAL MULLION



PLASTER GUARD W/ 16 GA. JAMB



PRECISION 822 REMOVABLE MULLION

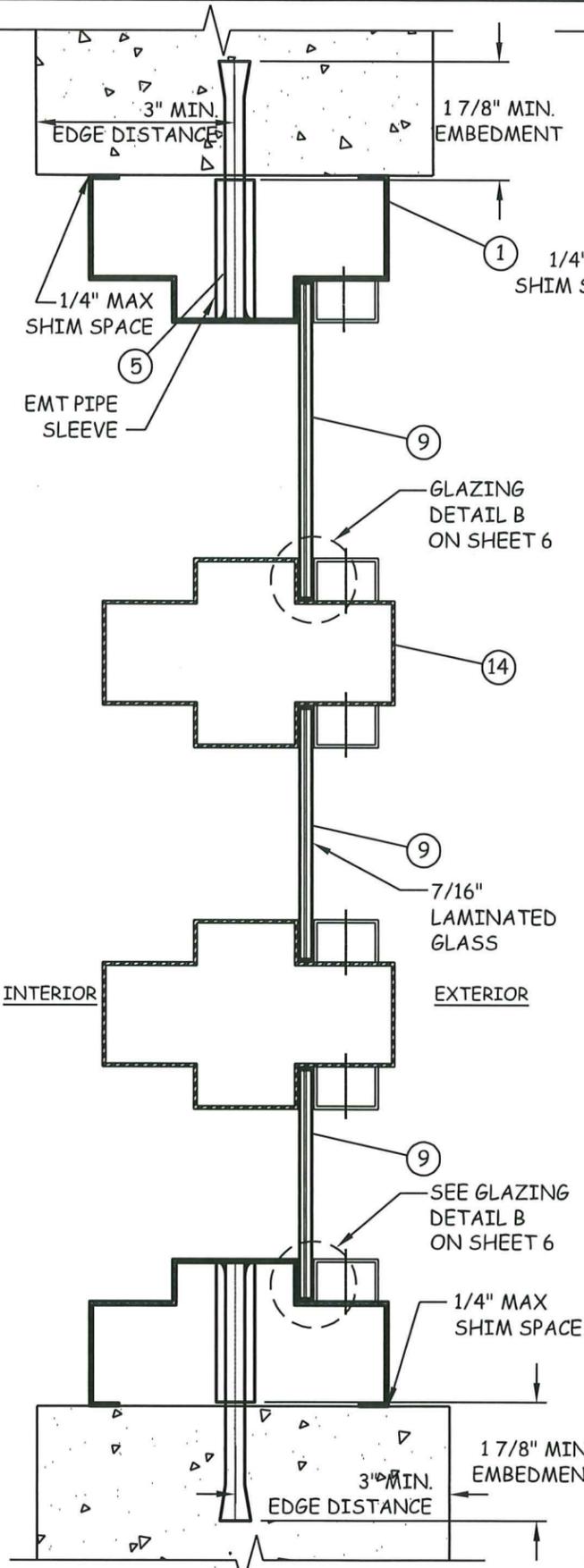
TITLE: STOREFRONT SYSTEM (LMI)
DOOR & FRAME REINFORCEMENTS
PREPARED FOR: QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

NO.	REVISIONS	
	DESCRIPTION	DATE
1	2014 FBC	02.26.16
2	2020 FBC	02.15.21
3	2023 FBC	01.31.24

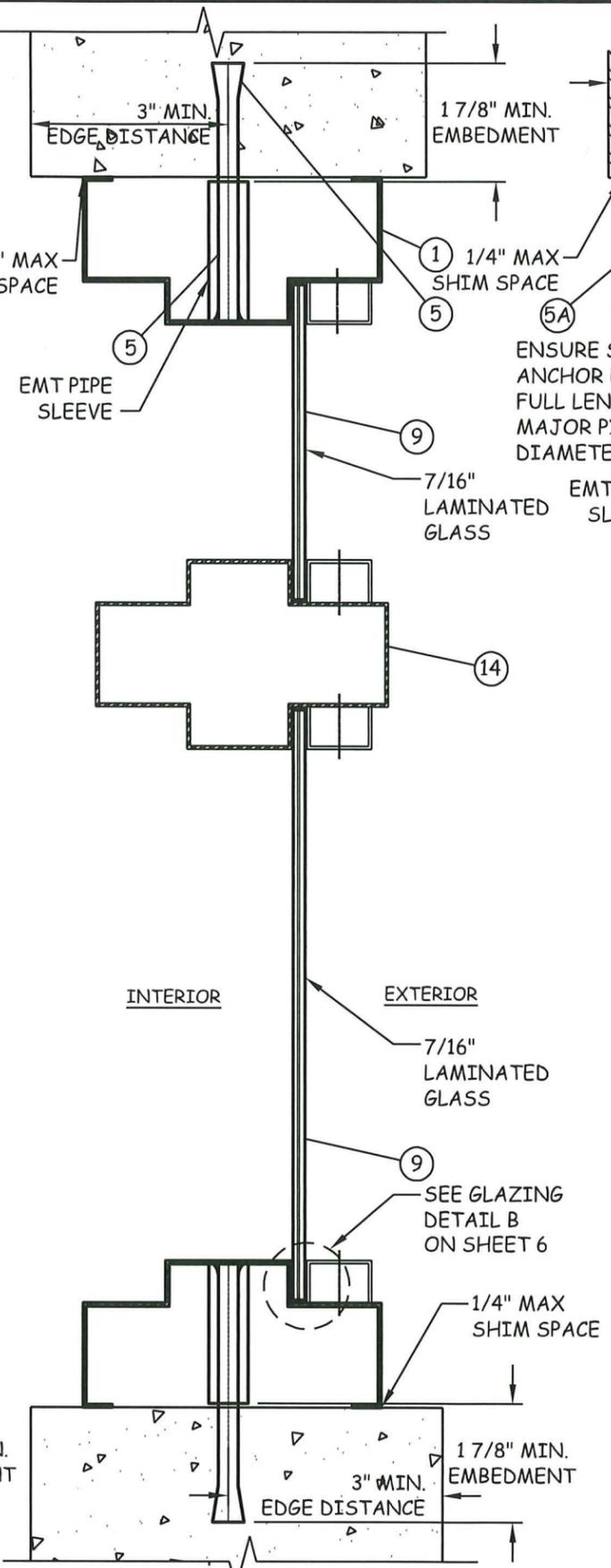


PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 25-0917.04
Expiration Date 8/27/2029
By: Ishag I. Choudhry
Miami Dade Product Control

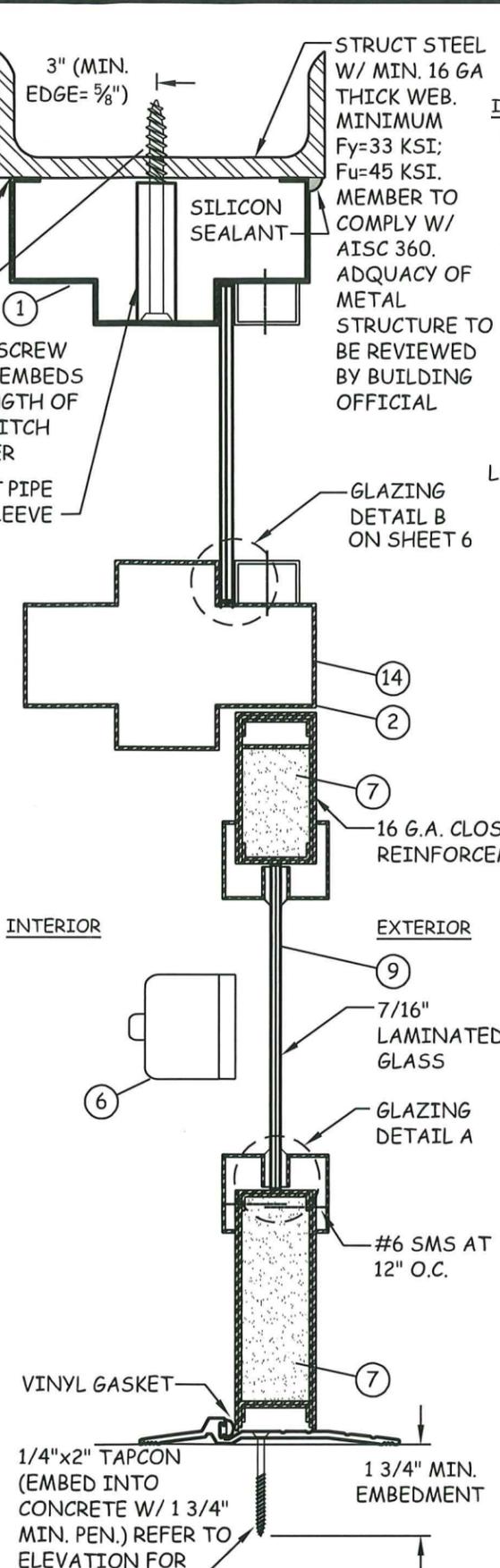
DATE: 02.26.16
DWN BY: GRN
CHK BY: CCD
SCALE: NTS
DWG #: QEP004
SHEET: 7 OF 16



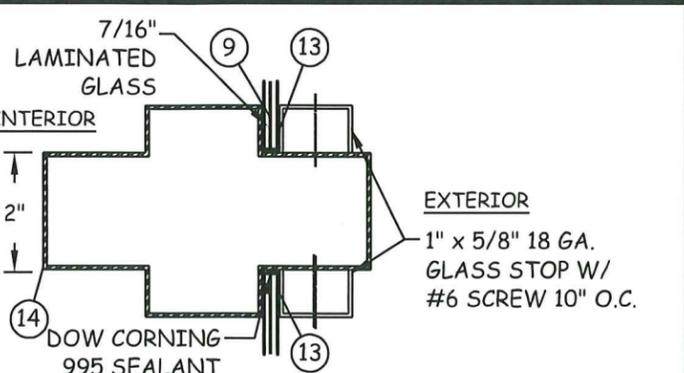
G
8 VERTICAL SECTION
2 MULLIONS



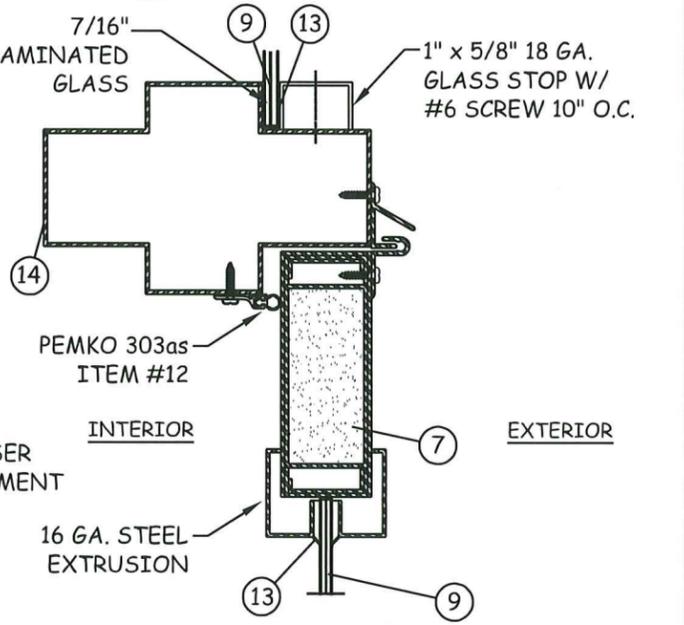
H
8 VERTICAL SECTION
1 MULLION



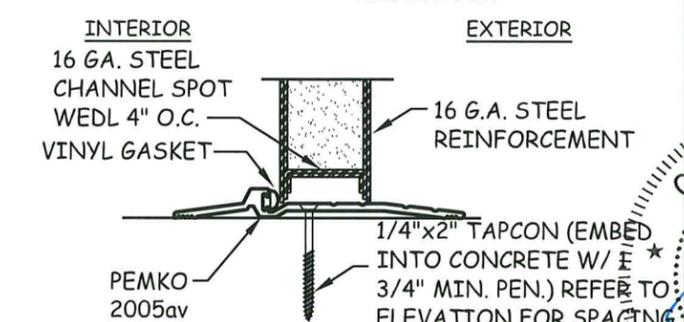
J
8 VERTICAL SECTION
DOOR AND MULLION



M
8 VERTICAL SECTION
MULLION



L
8 VERTICAL SECTION
MULLION ABOVE DOOR



K
8 VERTICAL SECTION
SILL - CONCRETE/MASONRY

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

ENSURE SCREW ANCHOR EMBEDS FULL LENGTH OF MAJOR PITCH DIAMETER

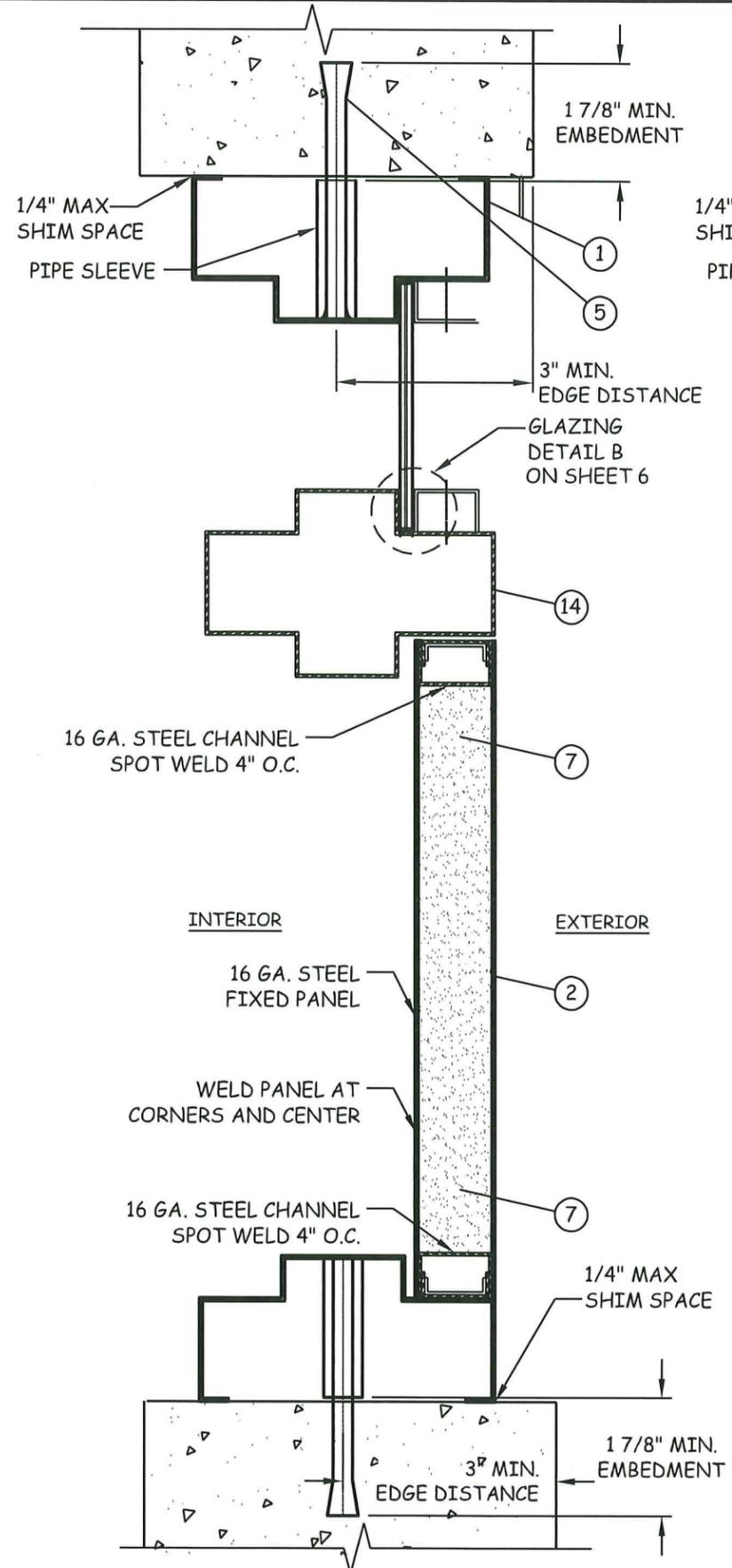
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 25-0917.04 Expiration Date 4/27/2029
By *Isang I. Um...*
Miami Dade Product Control

TITLE: STOREFRONT SYSTEM (LMI)
VERTICAL SECTIONS
PREPARED FOR: QUALITY ENGINEERED PRODUCTS 4506 QUALITY LN. TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

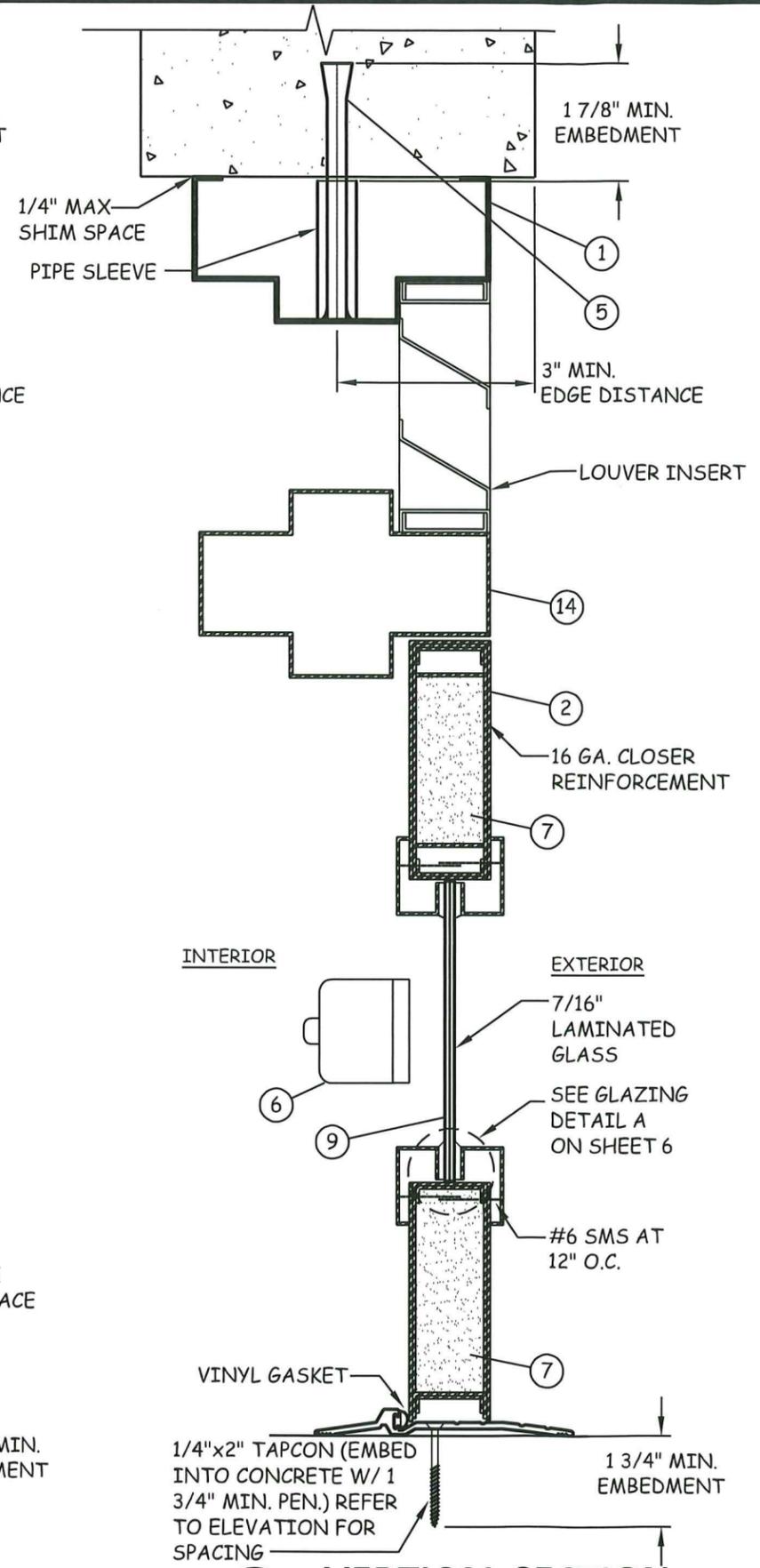
REVISIONS	
NO.	DESCRIPTION
1	2014 FBC
2	2020 FBC
3	2023 FBC

CODY C. DAVIS
LICENSE No. 75154
STATE OF FLORIDA
PROFESSIONAL ENGINEER
CODY DAVIS, P.E.
FLORIDA LIC. # 75154

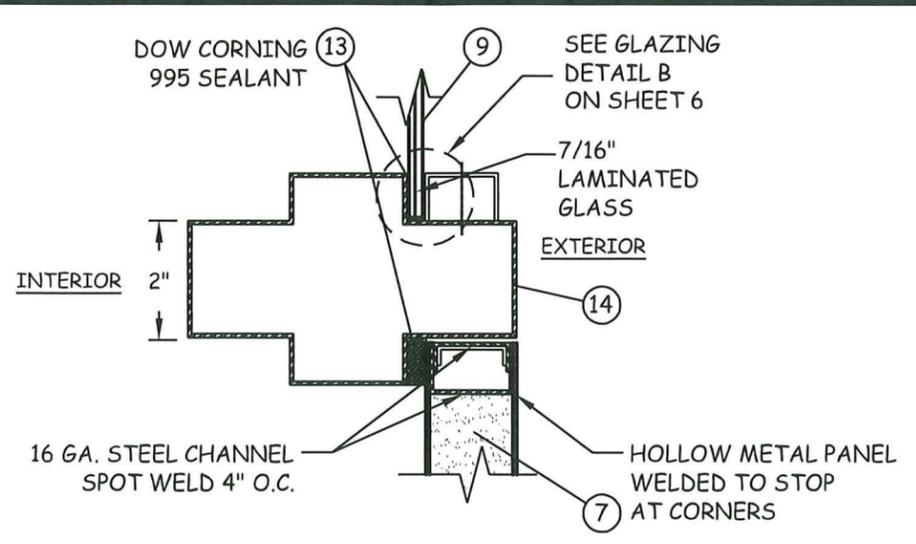
DATE: 02.26.16
DWN BY: GRN
CHK BY: CCD
SCALE: NTS
DWG #: QEP004
SHEET: 8 OF 16



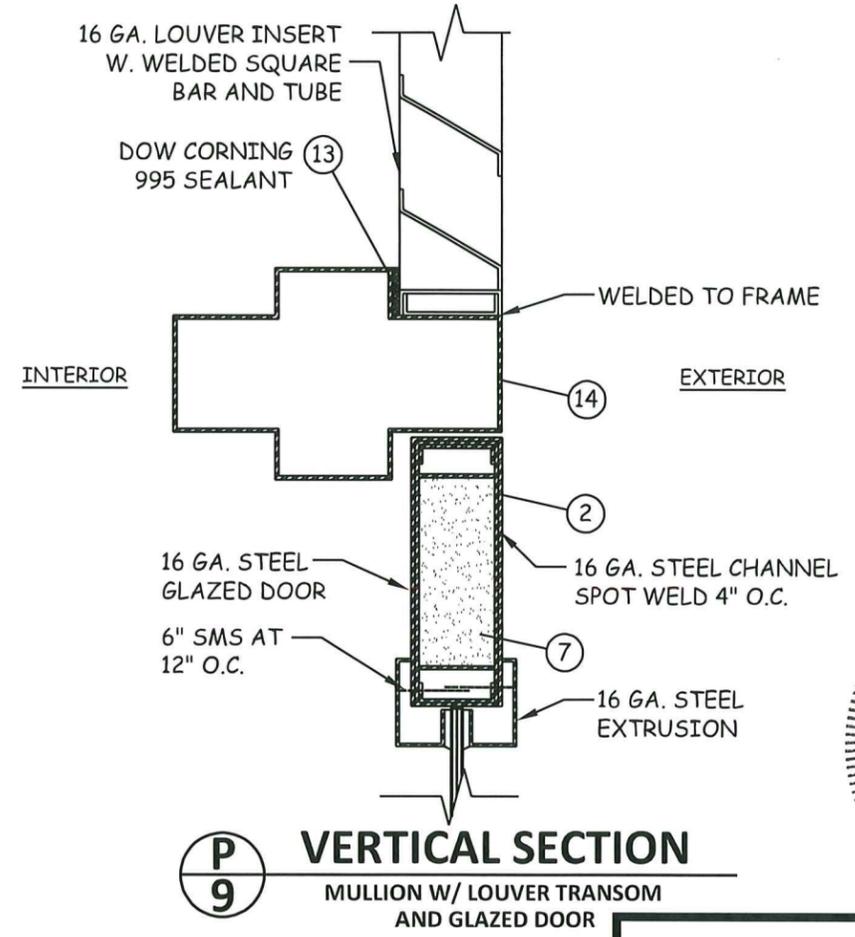
N
9 VERTICAL SECTION
FIXED PANEL AND MULLION



O
9 VERTICAL SECTION
DOOR AND MULLION
LOUVER INSERT



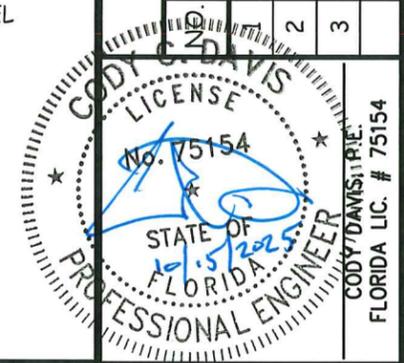
Q
9 VERTICAL SECTION
FIXED PANEL AND MULLION



P
9 VERTICAL SECTION
MULLION W/ LOUVER TRANSOM
AND GLAZED DOOR

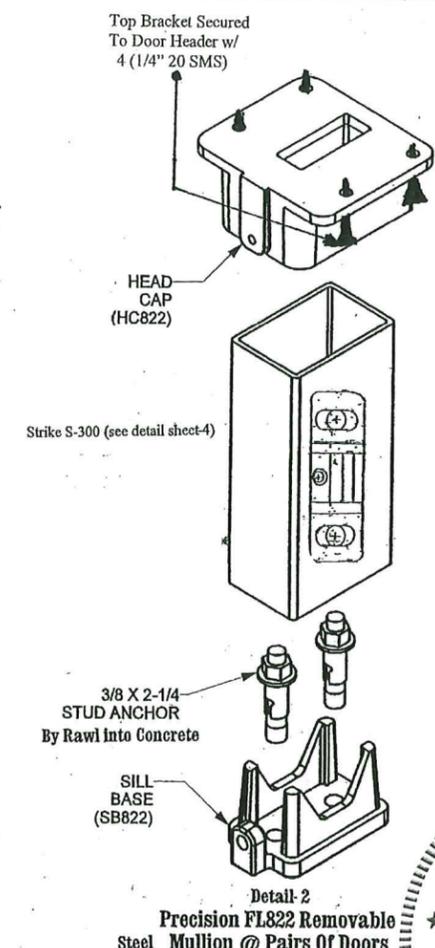
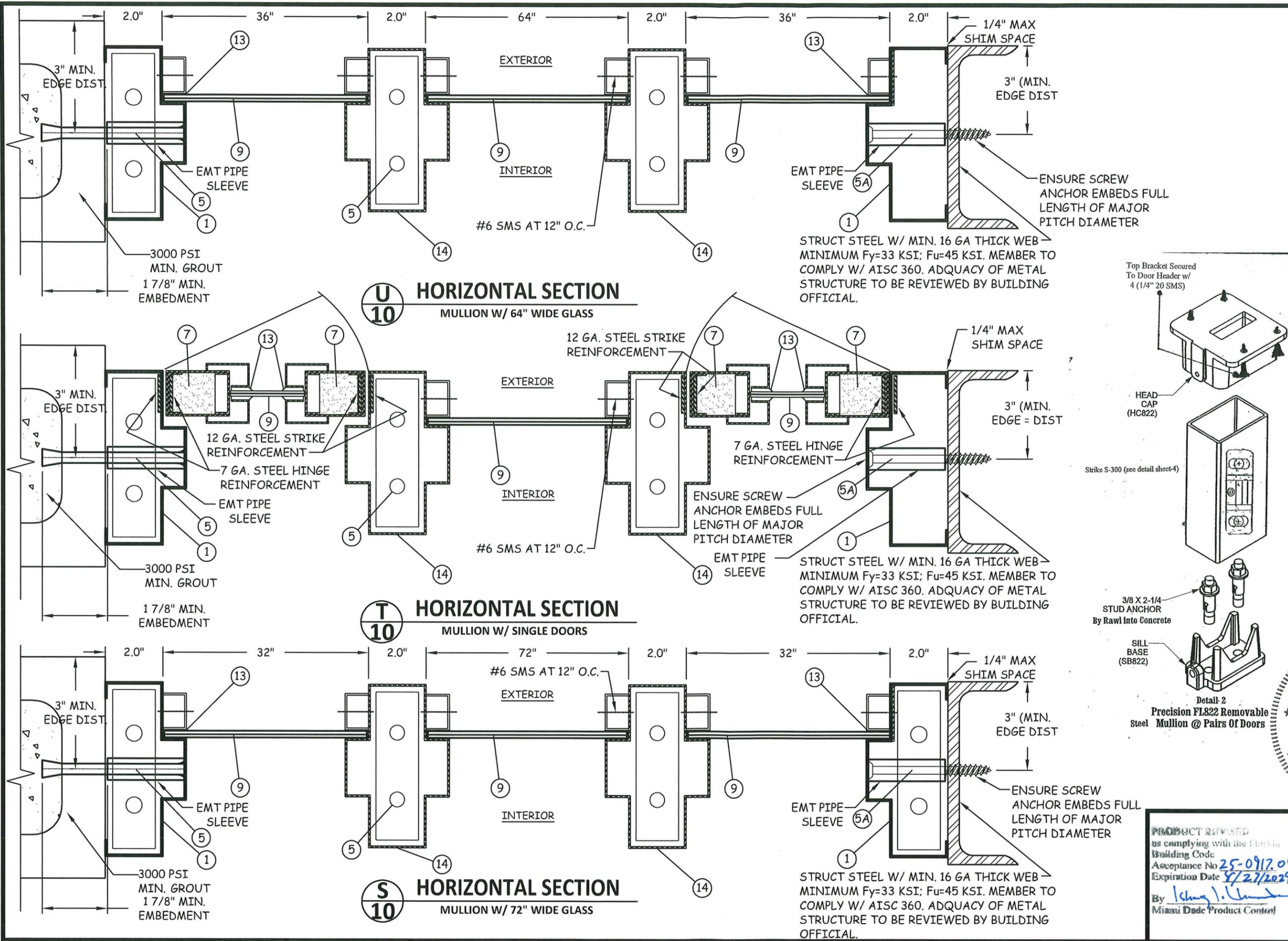
TITLE: STOREFRONT SYSTEM (LMI)
VERTICAL SECTIONS
PREPARED FOR:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16
2	2020 FBC	TA	02.15.21
3	2023 FBC	TA	01.31.24



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0912-04
Expiration Date 8/27/2029
By Ishag I. Ch...
Miami Dade Product Control

DATE: 02.26.16
DWN BY: GRN
CHK BY: CCD
SCALE: NTS
DWG #: QEP004
SHEET: 9 OF 16



TITLE: STOREFRONT SYSTEM (LMI) HORIZONTAL SECTIONS & DETAILS

PREPARED FOR: QUALITY ENGINEERED PRODUCTS 4506 QUALITY LN. TAMPA, FL 33634

PH: 813.885.1693 FX: 813.884.2673

REVISIONS	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16
2	2020 FBC	TA	02.15.21
3	2023 FBC	TA	01.31.24



PRODUCT REVISED to comply with the Florida Building Code

Acceptance No 25-0917.04

Expiration Date 5/27/2029

By *Isang L. Kim*

Miami Dade Product Control

DATE: 02.26.16

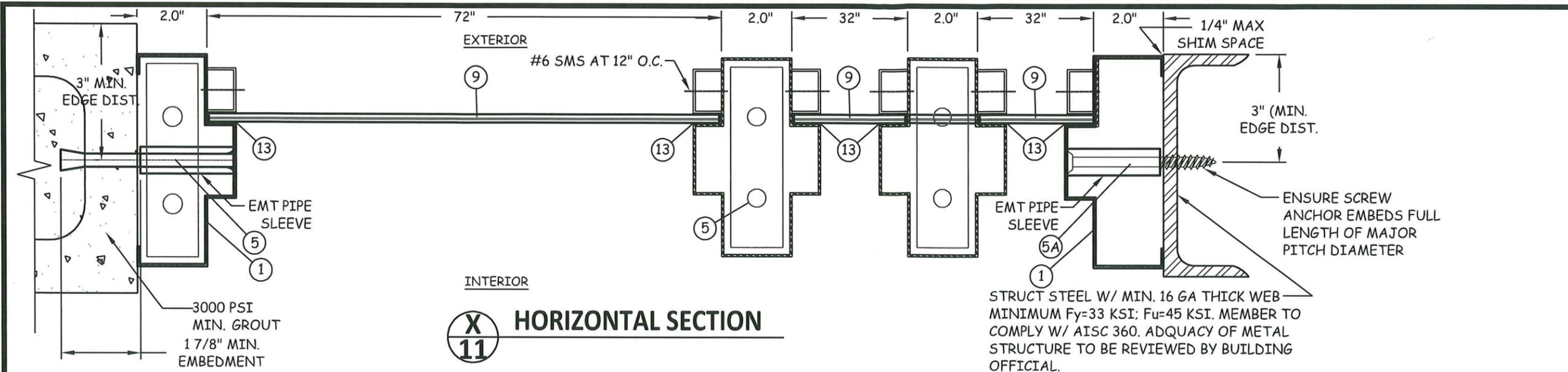
DWN BY: GRN

CHK BY: CCD

SCALE: NTS

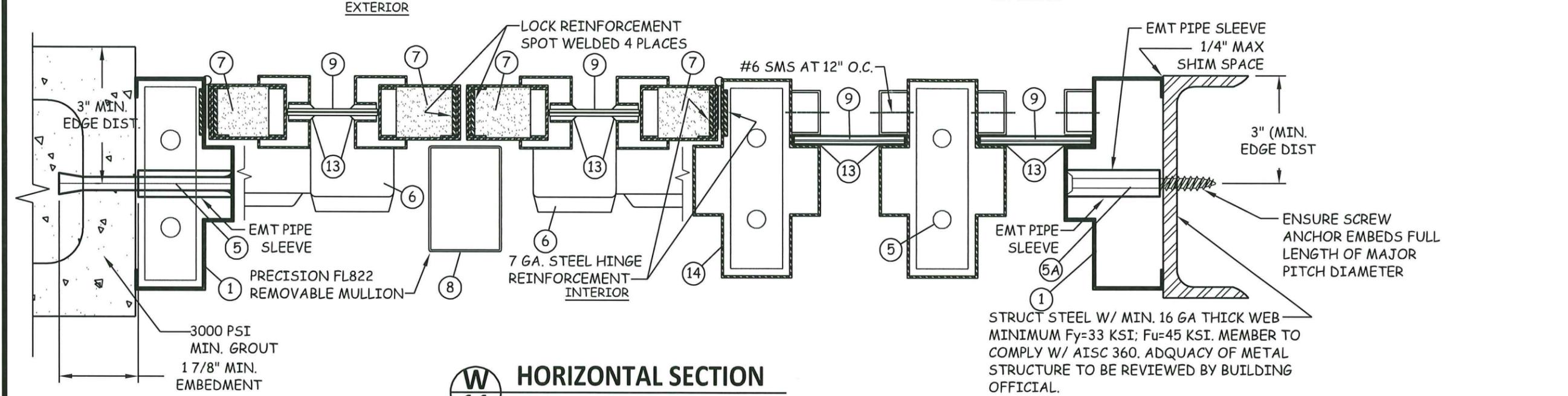
DWG #: QEP004

SHEET: 10 OF 16



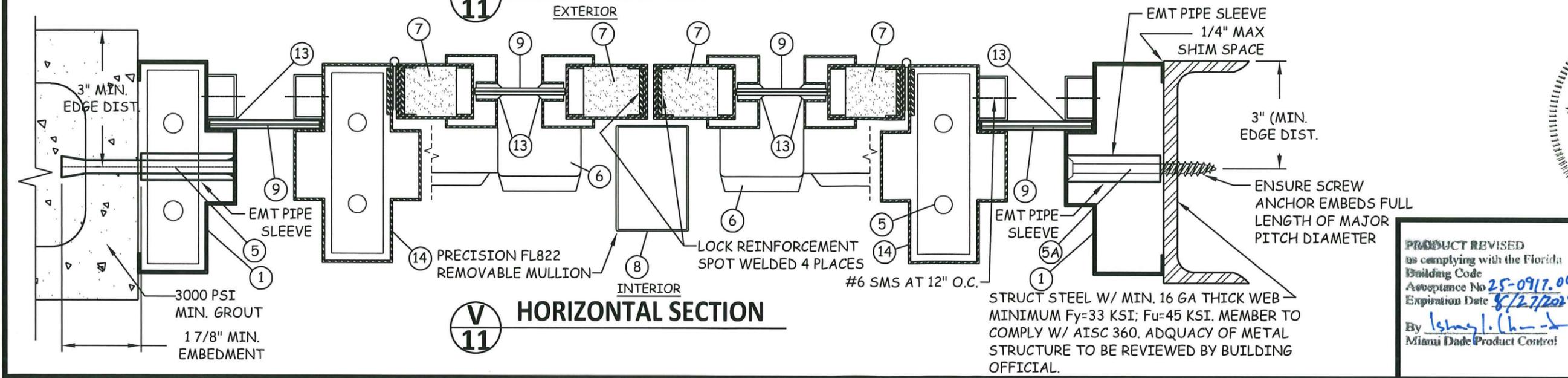
X
11 HORIZONTAL SECTION

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



W
11 HORIZONTAL SECTION

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

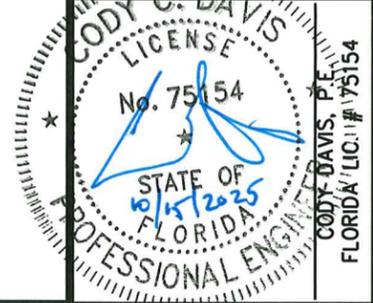


V
11 HORIZONTAL SECTION

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

TITLE: STOREFRONT SYSTEM (LMI)
HORIZONTAL SECTIONS
PREPARED FOR:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS	DESCRIPTION	BY	DATE
		CD	02.26.16
	2014 FBC	TA	02.15.21
	2020 FBC	TA	01.31.24
	2023 FBC		



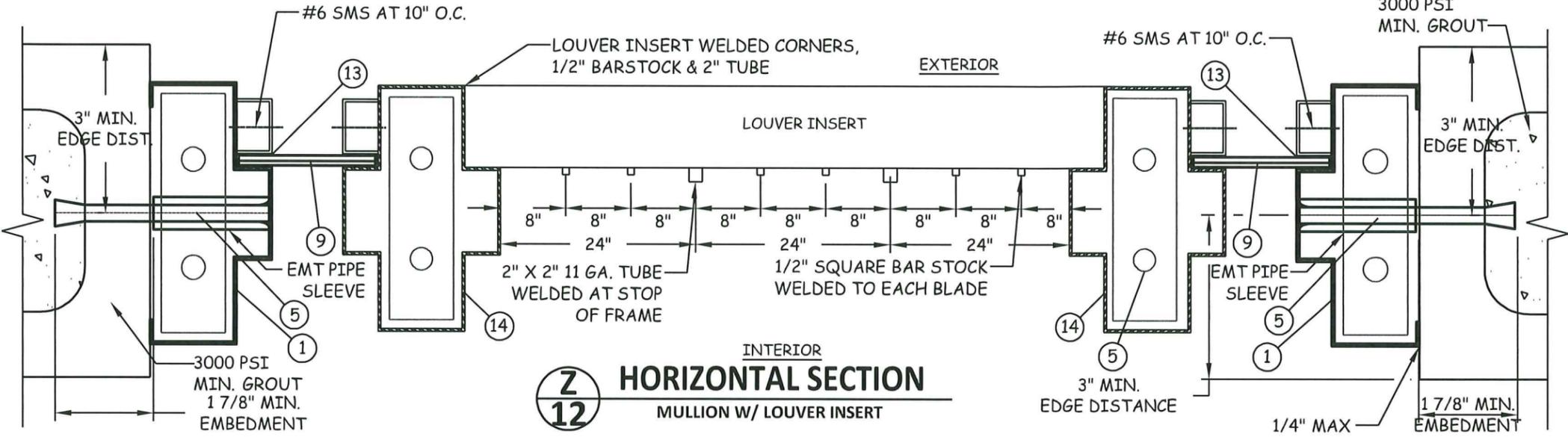
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 25-0917.04
Expiration Date 8/27/2024
By: [Signature]
Miami Dade Product Control

DATE:	02.26.16
DWN BY:	GRN
CHK BY:	CCD
SCALE:	NTS
DWG #:	QEPO04
SHEET:	11 OF 16

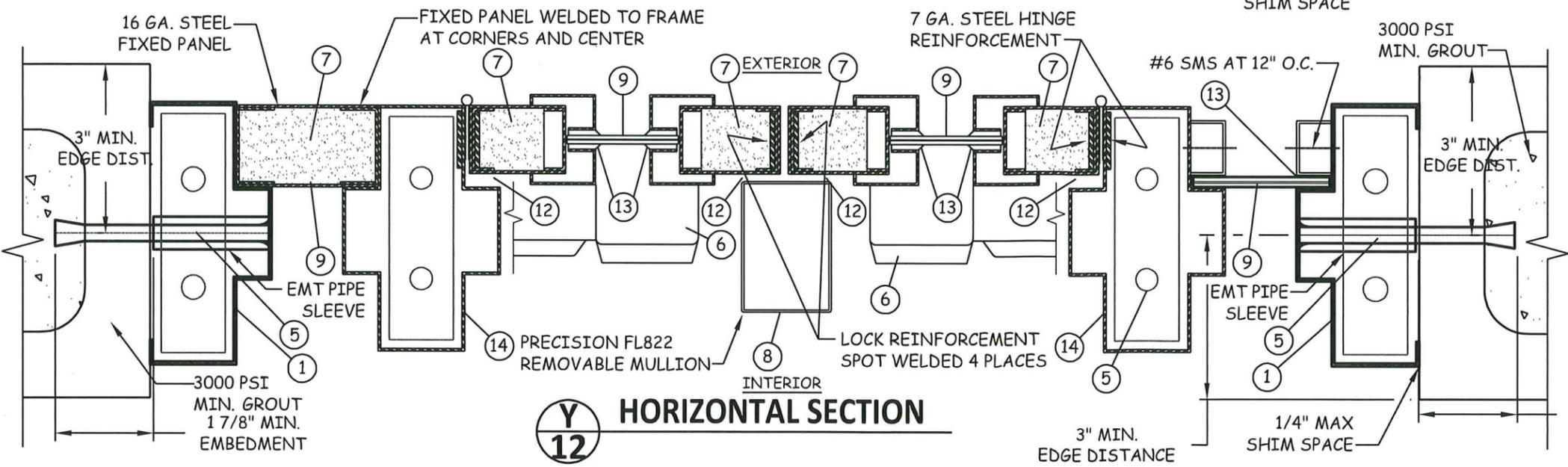
BILL OF MATERIALS		
MARK	QUANTITY	DESCRIPTION
1	1	16 GA. (.063") MIN. (14 GA. MAX.) STEEL HOLLOW METAL FRAME
2	2	16 GA. (.063") MIN. (14 GA. MAX.) STEEL HOLLOW METAL DOOR
3	6	HAGER HINGES BB1279 4 1/2" x 0.134"
4	1	PEMKO 2005AV THRESHOLD
5	SEE ELEV.	1/2" DIA. DYNABOLT ITW/REDHEAD SLEEVE ANCHOR (3/8" 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
5A	SEE ELEV.	3/8" DIA. SCREW THRU EMT PIPE SLEEVE CONFORMING TO SAE GRADE 2 OR EQUAL
6	2	RIM EXIT DEVICE- PRECISION FL2100 W/ FL822 REMOVABLE MULLION (DOUBLE DOORS)
7	AS REQ.	STEEL RIB OR EPS POLYSTYRENE FOAM CORE BY APPACHE PRODUCTS W/ CURRENT NOA
8	1	PRECISION 822/KR822 REMOVABLE MULLION (DOUBLE DOORS)
9	AS REQ.	7/16" LAMINATED GLASS CONSISTING OF: 3/16" HEAT STRENGTHENED GLASS 0.090" SAFLEX INTERLAYER BY EASTMAN CHEMICAL COMPANY 3/16" HEAT STRENGTHENED GLASS
10	1	PEMKO 347A TOP DRIP
11	2	PEMKO 68A DOOR TOP WEATHERSTRIP
12	3	PEMKO 303AS WEATHERSTRIP
13	AS REQ.	DOW CORNING #995 STRUCTURAL SILICONE SEALANT
14	AS REQ.	16 GA. (.063") MIN. (14 GA. MAX.) STEEL HORIZONTAL & VERTICAL MULLION

Quality
Engineered
Products Co., Inc.

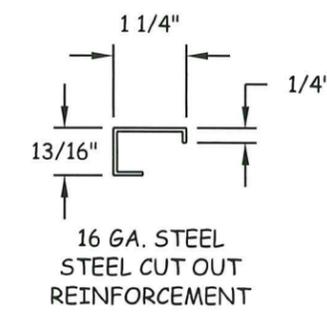
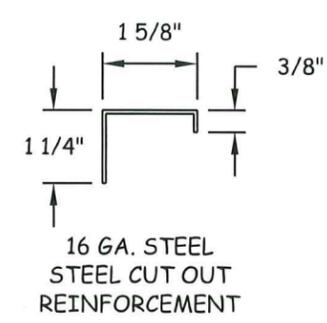
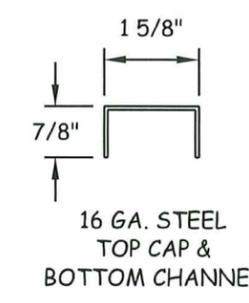
TITLE: STOREFRONT SYSTEM (LMI)
HORIZONTAL SECTIONS,
BILL OF MATERIALS & DETAILS
PREPARED FOR:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673



Z
12
HORIZONTAL SECTION
MULLION W/ LOUVER INSERT



Y
12
HORIZONTAL SECTION

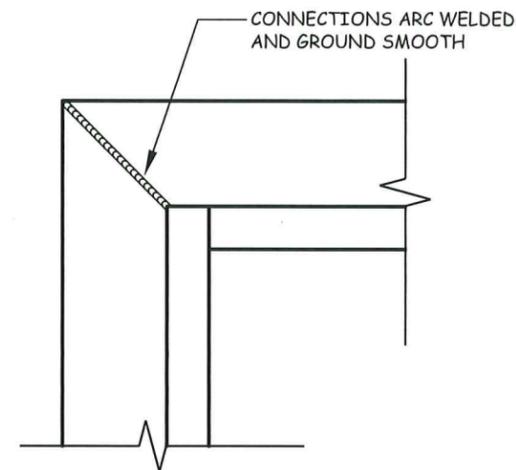
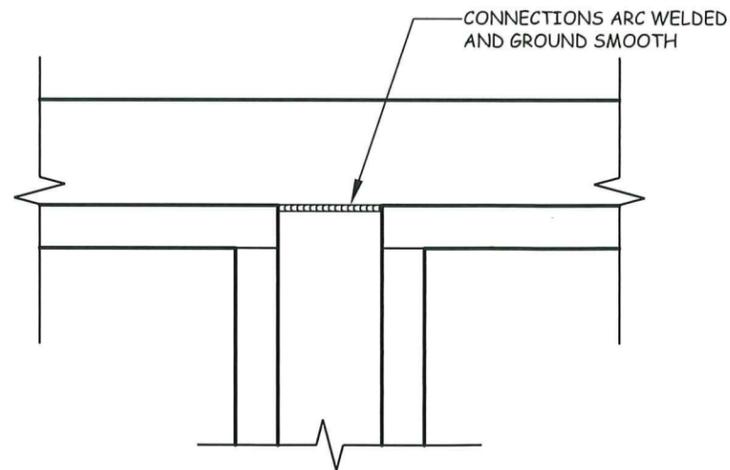
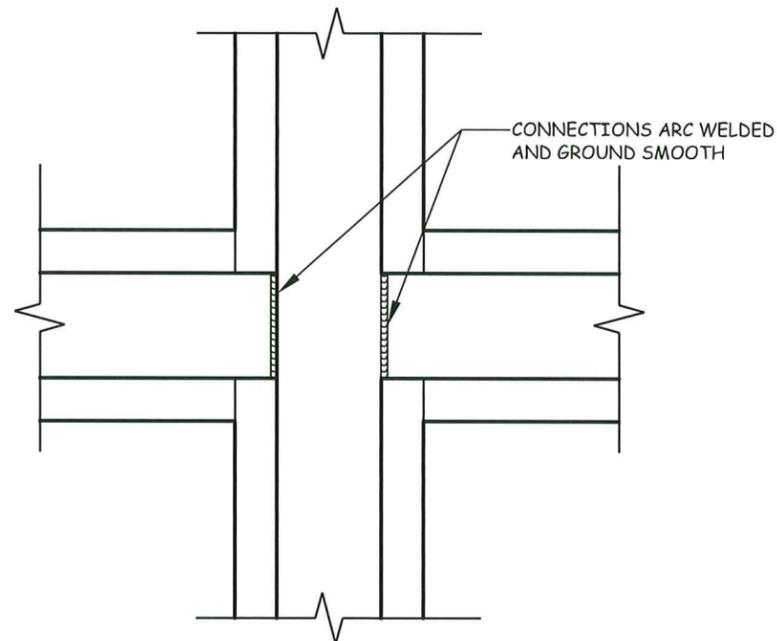
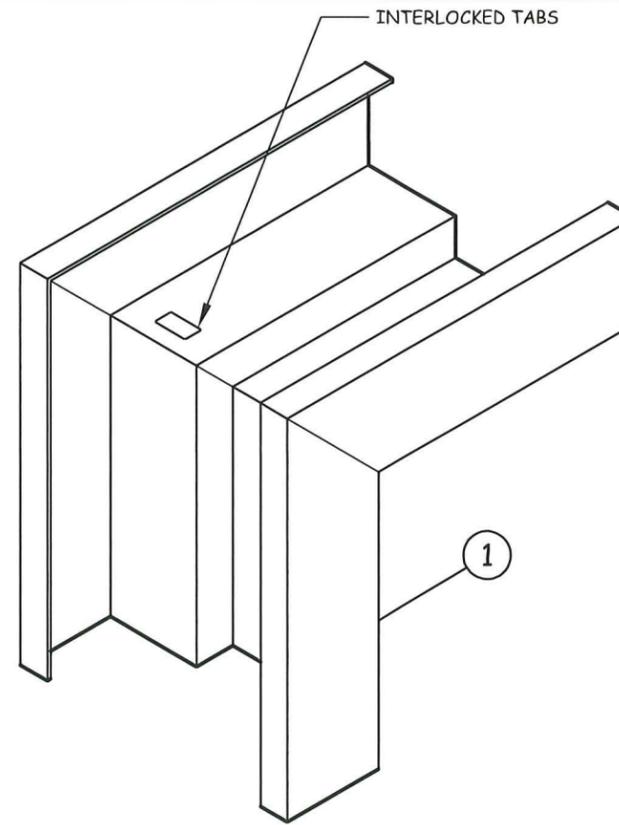
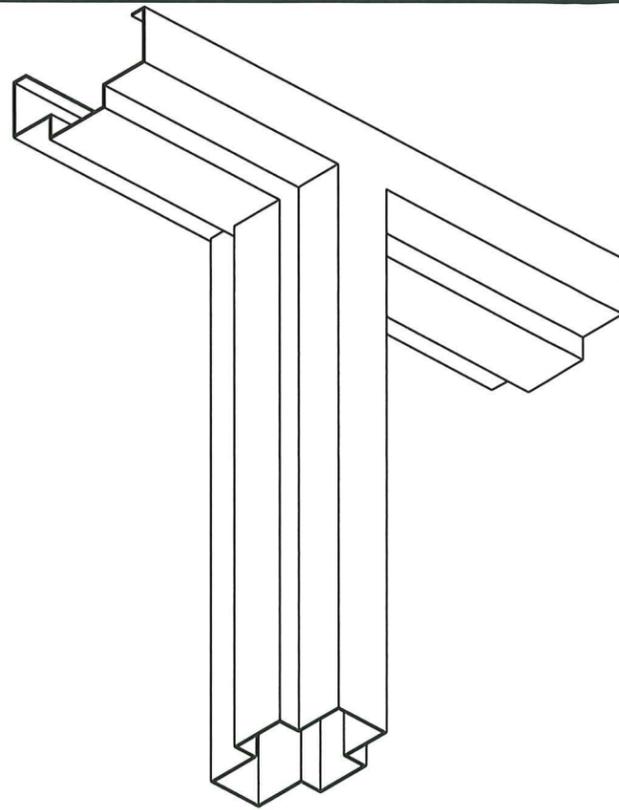
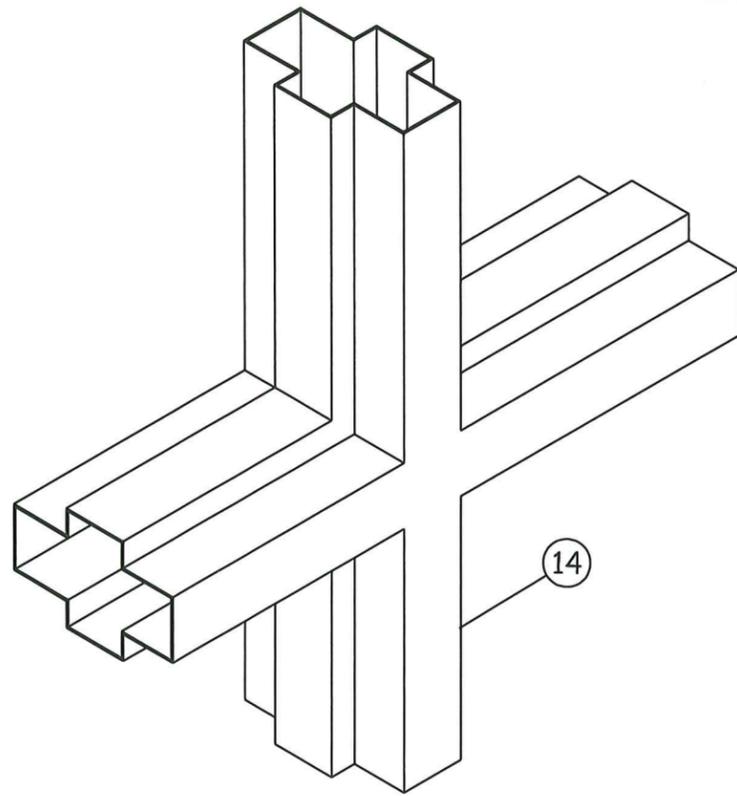


PRODUCT REVISED
as complying with the Florida
Building Code
Assessment No. 25-0917.04
Expiration Date 8/27/2029
By: *[Signature]*
Miami Dade Product Control

NO.	DESCRIPTION	BY	DATE
		CD	02.26.16
1	2014 FBC	TA	02.15.21
2	2020 FBC	TA	01.31.24
3	2023 FBC	TA	01.31.24



DATE: 02.26.16
DWN BY: GRN
CHK BY: CCD
SCALE: NTS
DWG #: QEP004
SHEET: 12 OF 16



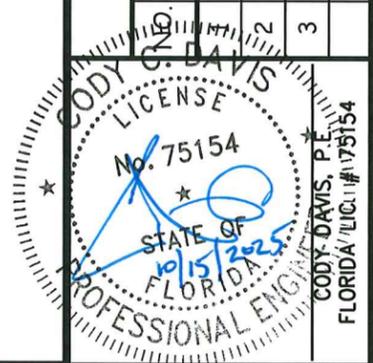
**TYPICAL MULLION
TO MULLION
CONNECTION**

**TYPICAL MULLION
TO JAMB
CONNECTION**

**TYPICAL CORNER
CONNECTION**

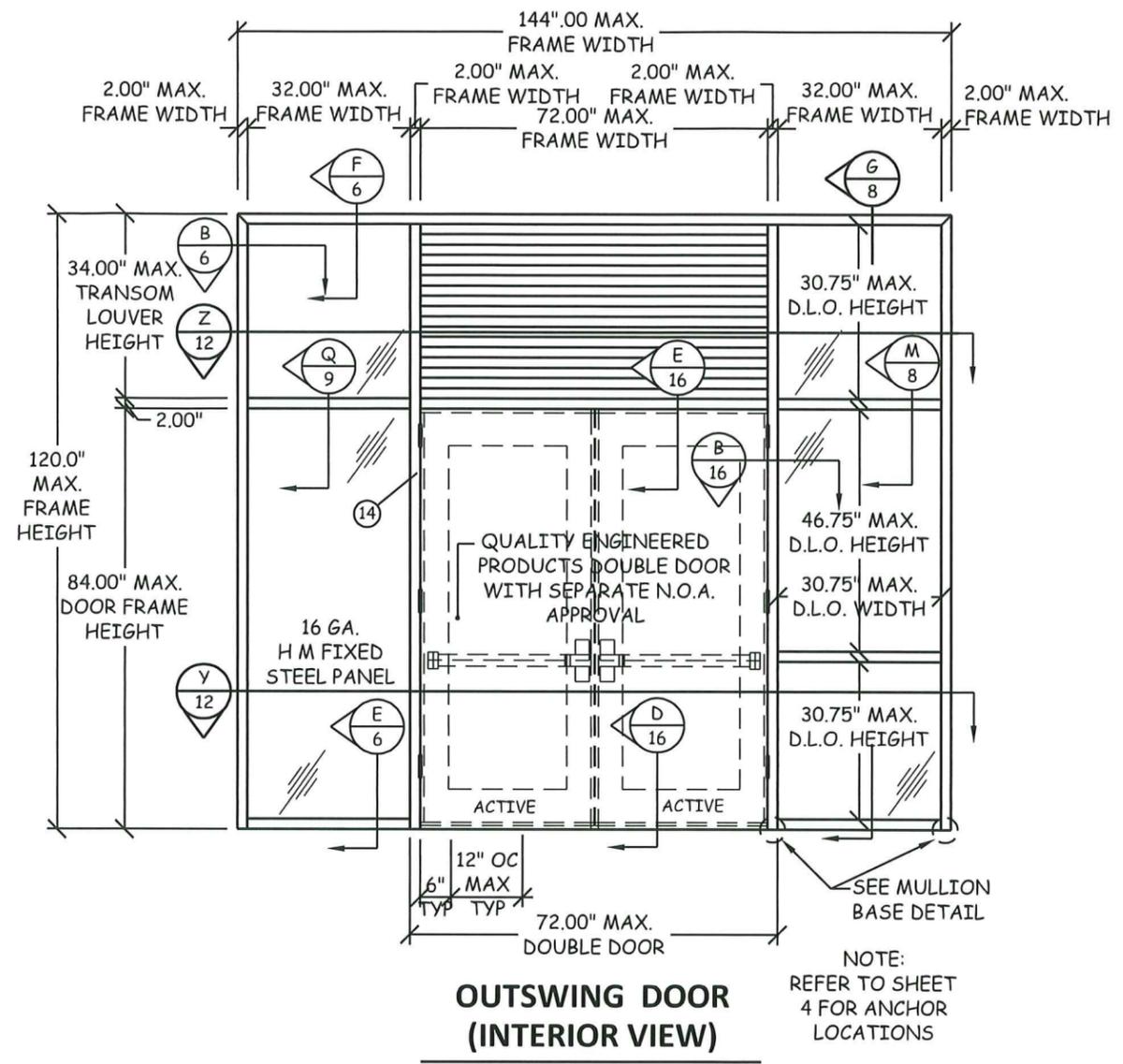
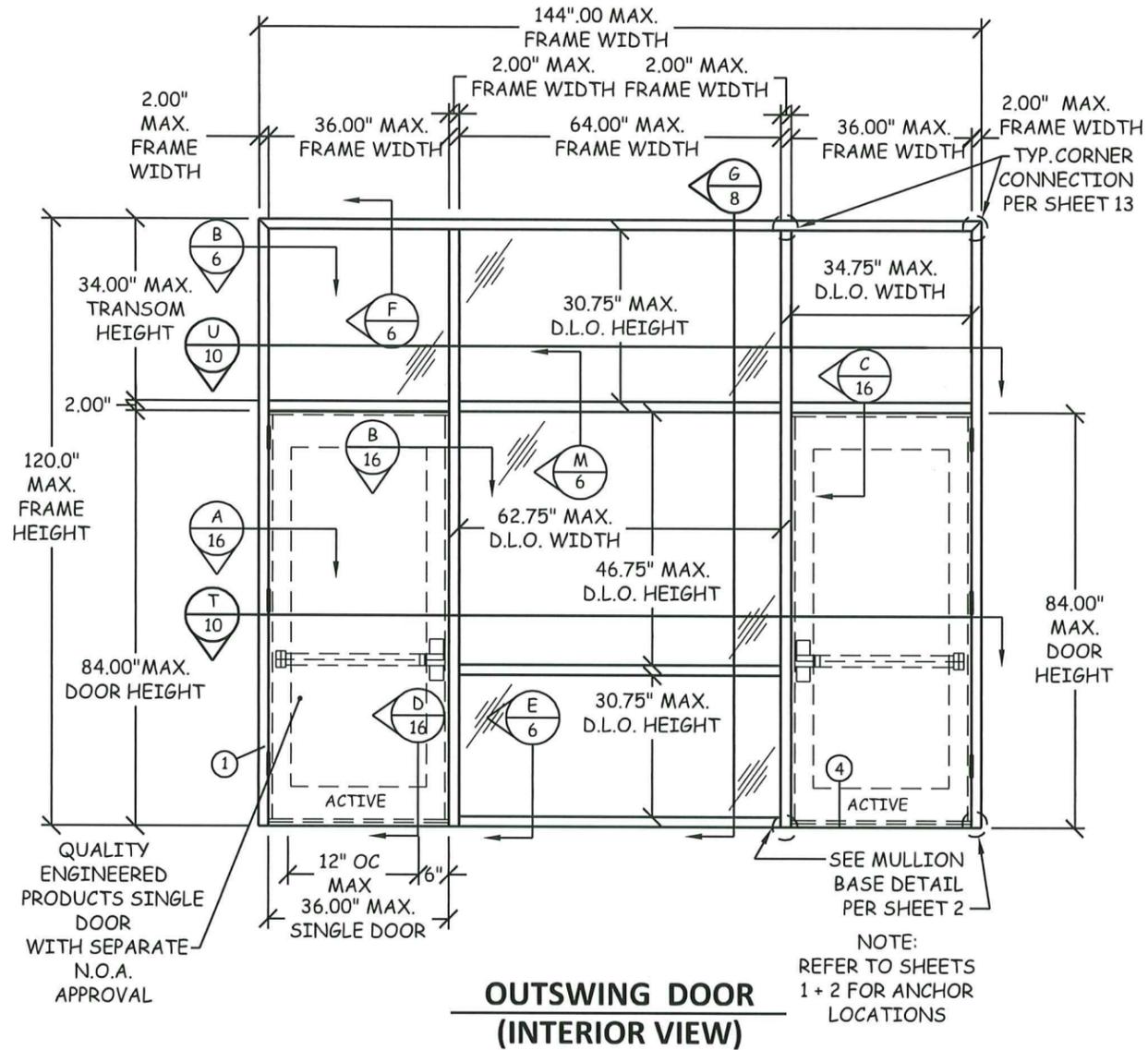
TITLE: STOREFRONT SYSTEM (LMI)
ISO-METRIC VIEWS
PREPARED FOR:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS		DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16	
2	2020 FBC	TA	02.15.21	
3	2023 FBC	TA	01.31.24	



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0917.04
Expiration Date 8/27/2029
By *Isang I. Choo*
Miami Dade Product Control

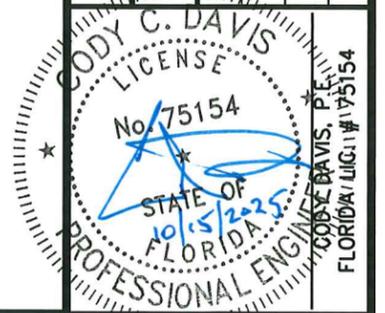
DATE:	02.26.16	DWN BY:	GRN	CHK BY:	CCD	SCALE:	NTS
DWG #:		QEP004					
SHEET:		13 OF 16					



NOTE:
LOWER DESIGN PRESSURE OF
ALTERNATE DOOR AND
STOREFRONT SHALL
APPLY TO THE ENTIRE
SYSTEM. ALSO, ANY
LIMITATIONS OF THE
ALTERNATE DOOR WILL
ALSO APPLY TO THE
ENTIRE SYSTEM

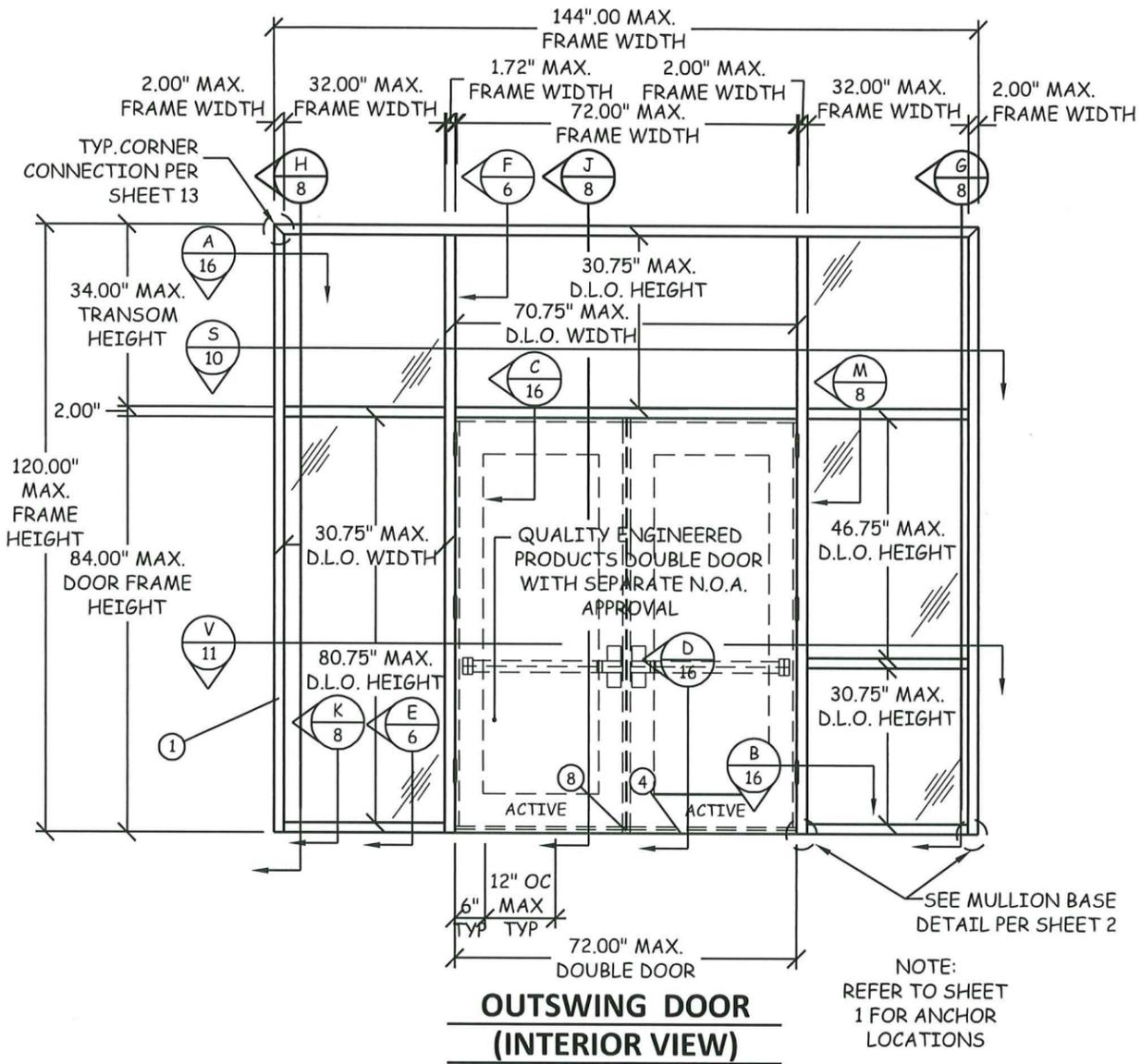
TITLE: STOREFRONT SYSTEM (LMI) LOUVER ELEVATION & DETAILS
PREPARED FOR: QUALITY ENGINEERED PRODUCTS 4506 QUALITY LN. TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

REVISIONS	
NO.	DESCRIPTION
1	2014 FBC
2	2020 FBC
3	2023 FBC

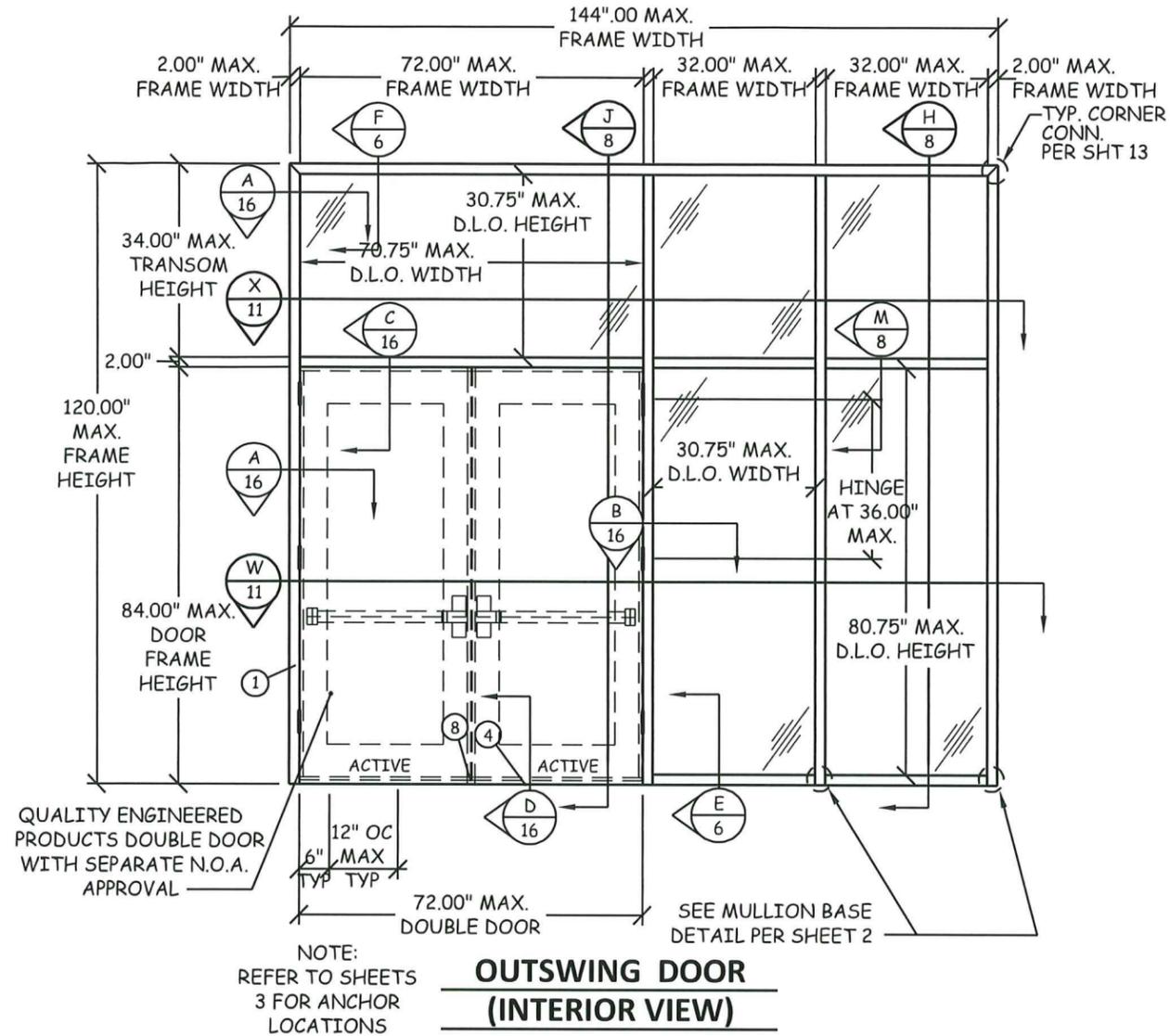


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0917.04
Expiration Date 8/27/2024
By: Ishag I. Ch...
Miami Dade Product Control!

DATE: 02.26.16
DWN BY: GRN
CHK BY: CCD
SCALE: NTS
DWG #: QEP004
SHEET: 14 OF 16



**OUTSWING DOOR
(INTERIOR VIEW)**

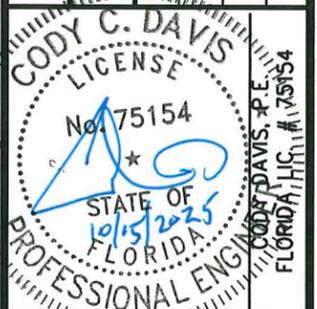


**OUTSWING DOOR
(INTERIOR VIEW)**

NOTE:
 LOWER DESIGN PRESSURE OF
 ALTERNATE DOOR AND
 STOREFRONT SHALL
 APPLY TO THE ENTIRE
 SYSTEM. ALSO, ANY
 LIMITATIONS OF THE
 ALTERNATE DOOR WILL
 ALSO APPLY TO THE
 ENTIRE SYSTEM

TITLE: STOREFRONT SYSTEM (LMI)
 LOUVER ELEVATION & DETAILS
 PREPARED FOR: QUALITY ENGINEERED PRODUCTS
 4506 QUALITY LN.
 TAMPA, FL 33634
 PH: 813.885.1693 FX: 813.884.2673

REVISIONS	
NO.	DESCRIPTION
1	2014 FBC
2	2020 FBC
3	2023 FBC



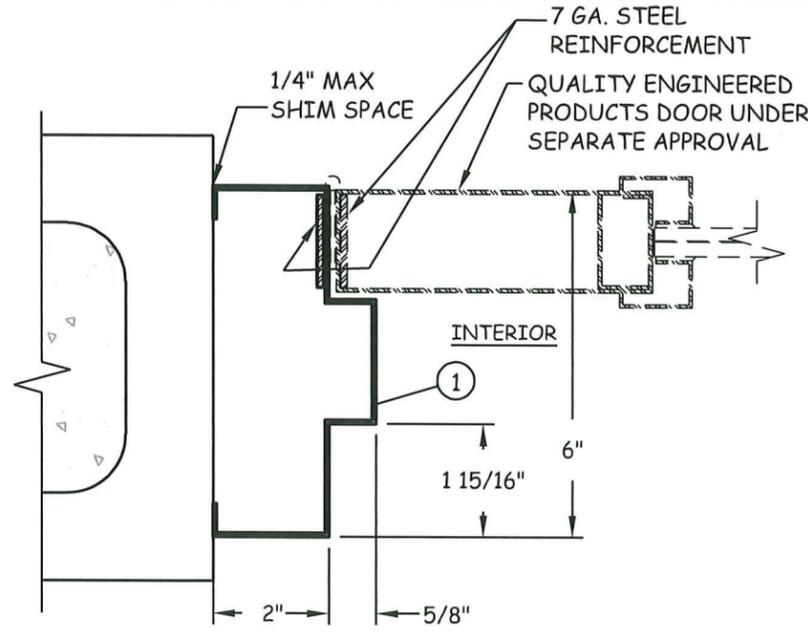
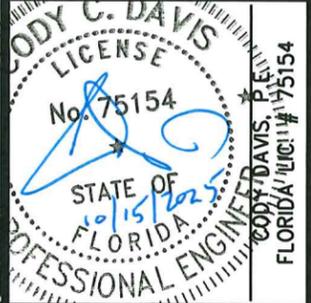
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 25-0917.04
 Expiration Date 8/27/2024
 By: Ishay I. Choudhury
 Miami Dade Product Control

DATE: 02.26.16
 DWN BY: GRN
 CHK BY: CCD
 SCALE: NTS
 DWG #: QEP004
 SHEET: 15 OF 16

TITLE: STOREFRONT SYSTEM (LMI)
VERTICAL & HORIZONTAL
SECTIONS & GLZ DETAILS

PREPARED FOR:
QUALITY ENGINEERED PRODUCTS
4506 QUALITY LN.
TAMPA, FL 33634
PH: 813.885.1693 FX: 813.884.2673

NO.	DESCRIPTION	BY	DATE
		1	2014 FBC
2	2020 FBC	TA	02.15.21
3	2023 FBC	TA	01.31.24

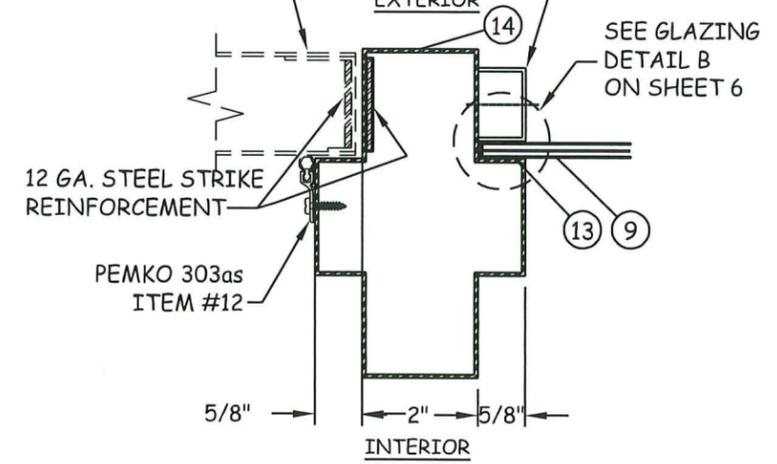


A
16 FRAME JAMB AT HINGE

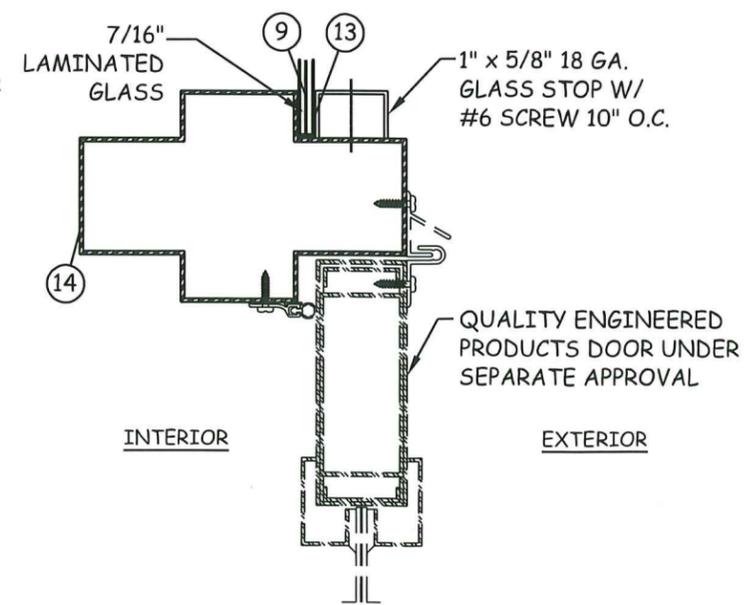
ANCHOR BOLT

1" X 5/8" 18 GA. WINDOW
STOPS W/ #6 SCREWS
10" O.C.

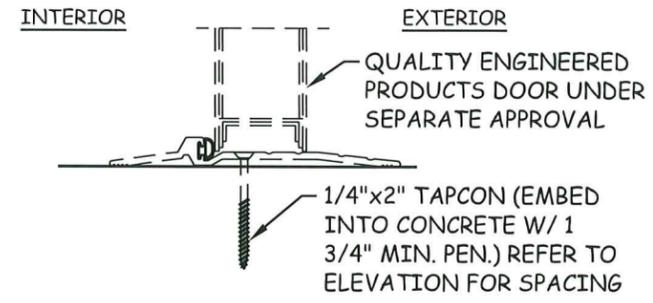
QUALITY ENGINEERED
PRODUCTS DOOR UNDER
SEPARATE APPROVAL



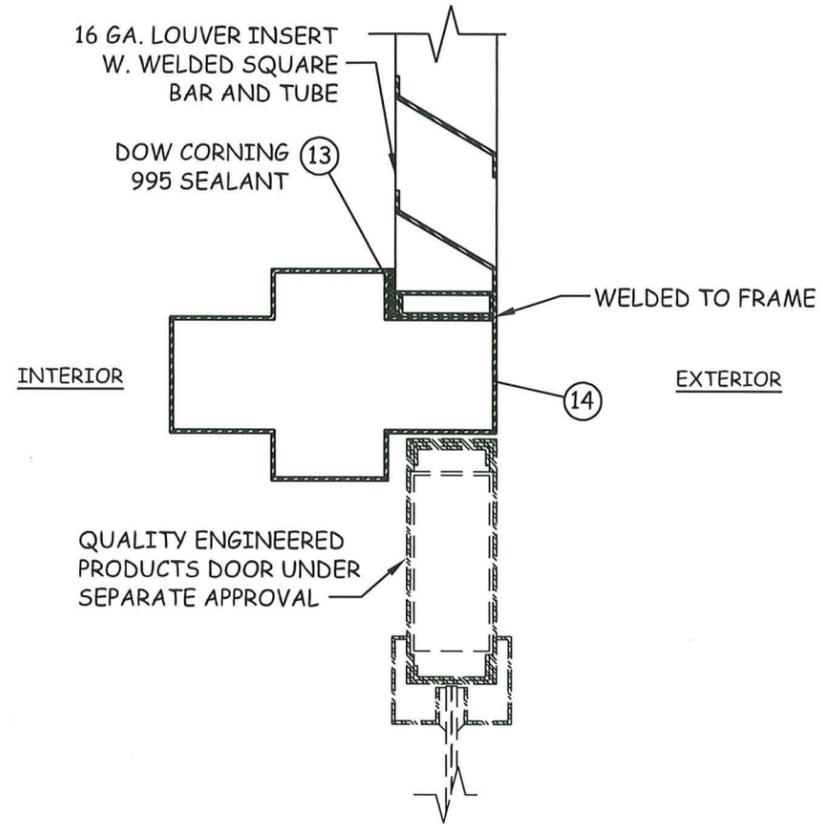
B
16 MULLION AT STRIKE
STRIKE JAMB (SINGLE OUTSWING DOORS)
HINGE JAMB (PAIR OUTSWING DOORS)



C
16 VERTICAL SECTION
MULLION
ABOVE DOOR



D
16 VERTICAL SECTION
SILL - CONCRETE/MASONRY



E
16 VERTICAL SECTION
MULLION W/ LOUVER TRANSOM
AND GLAZED DOOR

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0917-04
Expiration Date 8/27/2029
By *Lehong L. L...*
Miami Dade Product Control

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

DWG #: QEP004
SHEET: 16 OF 16