



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
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

QuikServ Corp.
11441 Brittmoore Park Drive
Houston, TX 77041

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 "PCJ-130-IP and QSP-713S-Mini-IP" Aluminum Pass-Through Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **23-145** (former **21-024** Rev #1), titled "Aluminum Commercial Pass-Thru Window Large Missile Impact Resistant", sheets 1 through 13 of 13, dated 01/21/21 and last revised on 07/28/23, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., 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

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

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

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

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

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

This NOA **revises NOA# 21-0601.09** and consists of this page 1 and evidence pages E-1, E-2, E-3, E4 and E-5, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 23-0816.28
Expiration Date: July 21, 2026
Approval Date: October 05, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **15-287**, titled "Aluminum Commercial, Pass-Thru Window Large Missile Impact Resistant", sheets 1 through 13 of 13, dated 06/01/16, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, Loading per FBC TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a series "PCJ-130-IP" and a series "QSP-713S-Mini-IP" aluminum commercial pass-through window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8872**, dated 04/16/16, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 05/04/16, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Glazing complies with **ASTM E1300-04/ 09**

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, dated May 24, 2016, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
2. Statement letter of no financial interest, dated May 24, 2016, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
3. Proposal No. **15-2286** issued by the Product Control Section, dated January 8, 2016, signed by Manuel Perez, P.E.

G. OTHER

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.28
Expiration Date: July 21, 2026
Approval Date: October 05, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous submittal

A. DRAWINGS

1. Drawing No. **17-081**, titled “Aluminum Commercial Pass-Thru Window – Large Missile Impact Resistant”, sheets 1 thru 13 of 13, dated 07/17/17, with revision # **2** dated 11/02/17, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, 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. **16-1117.01** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 01/19/17, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, dated July 17, 2017, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

G. OTHERS

1. Notice of Acceptance No. **16-0614.04**, issued to QuikServ Corp. for their Series “PCJ-130-IP and QSP-713S-Mini-IP” Aluminum Pass-Through Window – L.M.I.”, approved on 07/21/16 and expiring on 07/21/21.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.28
Expiration Date: July 21, 2026
Approval Date: October 05, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **21-024** Rev #1 (former)**17-081**, titled “Aluminum Commercial Pass-Thru Window Large Missile Impact Resistant”, sheets 1 through 13 of 13, dated 01/21/21, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS

1. None

C. CALCULATIONS

1. None

E. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.28** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for “**Trosifol**: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray **Butacite** PVB Interlayer”), expiring on 07/08/24.

G. STATEMENTS

1. Statement letter of conformance, complying with FBC 2020 (7th Edition), dated January 11, 2021, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

G. OTHERS

1. This NOA revises NOA# 17-0731.04, expiring 07/21/2.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.28
Expiration Date: July 21, 2026
Approval Date: October 05, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No. **21-024** Rev #1 (former)**17-081**, titled “Aluminum Commercial Pass-Thru Window Large Missile Impact Resistant”, sheets 1 through 13 of 13, dated 01/21/21, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS

1. None

C. CALCULATIONS

1. None

F. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.28** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for “**Trosifol**: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray **Butacite** PVB Interlayer”), expiring on 07/08/24.

H. STATEMENTS (submitted under file #21-0205.07)

1. Statement letter of conformance, complying with FBC 2020 (7th Edition), dated January 11, 2021, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

G. OTHERS

1. This NOA renews NOA# **21-0205.07**, expiring **07/21/26**.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.28
Expiration Date: July 21, 2026
Approval Date: October 05, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **23-145** (former**21-024** Rev #1), titled “Aluminum Commercial Pass-Thru Window Large Missile Impact Resistant”, sheets 1 through 13 of 13, dated 01/21/21 and last revised on 07/28/23, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS

1. None

C. CALCULATIONS

1. None

G. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.28** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for “**Trosifol**: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray **Butacite** PVB Interlayer”), expiring on 07/08/24.

I. STATEMENTS

1. Statement letter of conformance, complying with FBC 2023 (8th Edition), dated SEP 12, 2023, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E.
2. Statement letter of conformance, complying with FBC 2020 (7th Edition), dated January 11, 2021, issued by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P.E. (submitted under previous approval)

G. OTHERS

1. This NOA revises NOA# **21-0601.09** and updates to FBC 2023, expiring 07/21/26.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0816.28
Expiration Date: July 21, 2026
Approval Date: October 05, 2023

GENERAL NOTES:

- 1.COMMERCIAL PASS-THRU WINDOWS, LARGE MISSILE IMPACT RESISTANT, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAVE BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2020 (7th EDITION) AND 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE.
COMMERCIAL PASS-THRU WINDOWS, LARGE MISSILE IMPACT RESISTANT, MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.
- DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-16 (FBC 2020) AND ASCE 7-22 (FBC 2023) SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-16 AND ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.
- IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WASNOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.
- THESE COMMERCIAL PASS-THRU WINDOWS' ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION1626 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 PROTOCOLS, PER A.T.I. LAB REPORT # C5136.01-801-18 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1616 OF THE FLORIDA BUILDING CODE.
2. MAX. A.S.D. DESIGN PRESSURE RATING FOR THESE COMMERCIAL PASS-THRU WINDOWS IS:
+ 70, - 80 P.S.F.
3. THESE COMMERCIAL PASS-THRU WINDOWS WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE ON INSTALLATIONS UP TO 30 FEET ABOVE GRADE.
4. THESE COMMERCIAL PASS-THRU WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
5. ALL COMPONENTS SHALL BE AS INDICATED ON BILL OF MATERIALS ON SHEET 14 AND COMPONENTS DESCRIPTION ON SHEETS 11, 12 & 13.
6. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G = 0.55.
7. ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2015 AND 2020 ALUMINUM DESIGN MANUAL.
8. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.
(A) TO EXISTING POURED CONCRETE: (MIN. f'c = 3000 PSI), MIN. EDGE DISTANCE (E.D.) = 3".
- 1/4"Ø TAPCON ANCHORS W/ 1" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC., THRU 1" P.T. WOOD BUCK (IF APPLICABLE).
(B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK WALL. MIN. EDGE DISTANCE (E.D.) = 2".
- 1/4"Ø TAPCON ANCHORS W/ 1" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC., THRU 1" P.T. WOOD BUCK (IF APPLICABLE).
(C) TO EXISTING DOUBLE 2x P.T. WOOD BUCK. MIN. EDGE DISTANCE (E.D.) = 1".
- 1/4"Ø WOOD SCREWS W/ 3" MIN. THREADED PENETRATION, TO COMPLY W/ NDS 2015.
(D) TO EXISTING MIN. 1/8" THICK ALUMINUM TUBE (6063-T5 ALLOY) MIN. EDGE DISTANCE (E.D.) = 1/2".
- 1/4"Ø TEK SCREWS, AS MANUFACTURED BY ITW/BUILDEX, INC.
(E) TO EXISTING MIN. 18 GAGE STEEL MEMBER (ASTM A-500, A-653 OR A-36) MIN. EDGE DISTANCE (E.D.) = 1/2".
- 1/4"Ø TEK SCREWS, AS MANUFACTURED BY ITW/BUILDEX, INC.
9. PROVIDE 1/4" MAX. LOAD BEARING SHIM, WHEN ALLOWED BY THIS DRAWING.

10. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE.
ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
11. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEViate FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

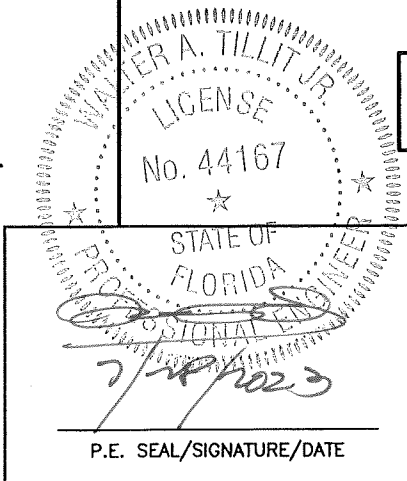
SHEET #	TABLE OF CONTENTS
	DESCRIPTION
1	GENERAL NOTES
2	IMPACT WINDOWS EXTERIOR ELEVATIONS
3	BP-7241E-IP WINDOW TYPE 1 (OXXO)
4	BP-7241E-IP WINDOW TYPE 1 (OXXO)
5	BP-7236E-IP WINDOW TYPE 2 (OXXO)
6	BP-7236E-IP WINDOW TYPE 2 (OXXO)
7	GLAZING DETAILS
8	DOOR - HEADER & SILL CONNECTIONS
8A	DOOR - HEADER CONNECTION (CONTINUED)
9	ANCHOR INSTALLATION / LAYOUT
10	ANCHOR SCHEDULE
11	STEEL ASSEMBLY COMPONENTS
12	STEEL ASSEMBLY COMPONENTS (CONTINUED)
13	ALUMINUM EXTRUSIONS COMPONENTS
14	BILL OF MATERIALS
15	SASH INSTALLATION DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By Ishag I. Chande
Miami-Dade Product Control

THIS DRAWING SHALL ONLY BE USED TO
OBTAIN PERMITS IN THE STATE OF FLORIDA

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



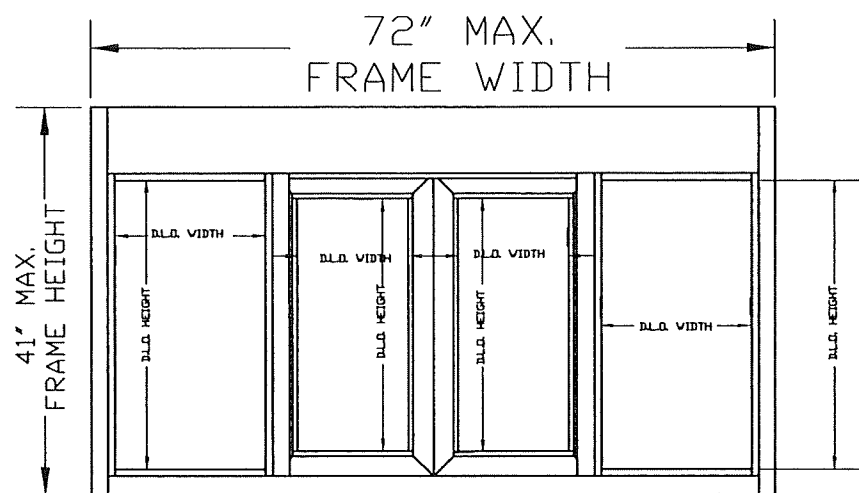
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TILTECO INC.

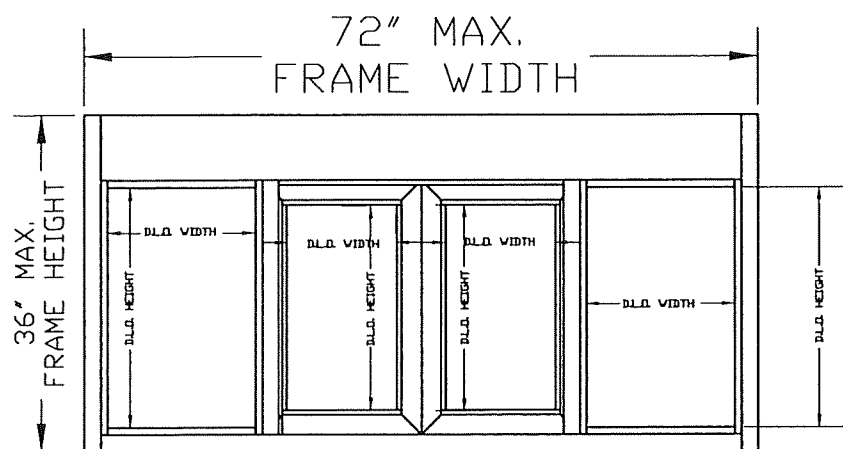
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 30th. St., Ste. 305, VIRGINIA GARDENS, FL 33186
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

ALUMINUM COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT				DRAWN BY Y.M.	
QUIKSERV CORP.				7/28/2023 DATE	
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041				23-145 DRAWING No	
PHONE: (713) 937-3437 FAX: (713) 937-9765				SHEET 1 OF 15	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-023	7/28/23	3		
2			4		

QUIKSERV
COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT
EXTERIOR ELEVATIONS



BP-7241E-IP
WINDOW TYPE 1 (OXXO)
N.T.S.



BP-7236E-IP
WINDOW TYPE 2 (OXXO)
N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By *Ishaq I. Chande*
Miami-Dade Product Control

MODEL	WINDOW TYPE	ACTUAL FRAME MAX. DIMENSION	MAX. D.L.O. DIMENSIONS	GLAZING TYPE
BP-7241E-IP	1	72"(W) X 41"(H)	(O) 15-1/4"(W) X 30-1/4"(H) (X) 10-5/8"(W) X 25-3/4"(H) (X) 10-5/8"(W) X 25-3/4"(H) (O) 15-1/4"(W) X 30-1/4"(H)	SEE PAGE 7 of 15
BP-7236E-IP	2	72"(W) X 36"(H)	(O) 15-1/4"(W) X 25-1/4"(H) (X) 10-5/8"(W) X 20-3/4"(H) (X) 10-5/8"(W) X 20-3/4"(H) (O) 15-1/4"(W) X 25-1/4"(H)	

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

No. 44167

STATE OF FLORIDA

7/28/2023

P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 30th. St., Ste. 303, VIRGINIA GARDENS, FL 33186
Phone : (305)871-1530 • Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.

11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041

PHONE: (713) 637-3437 FAX: (713) 637-0765

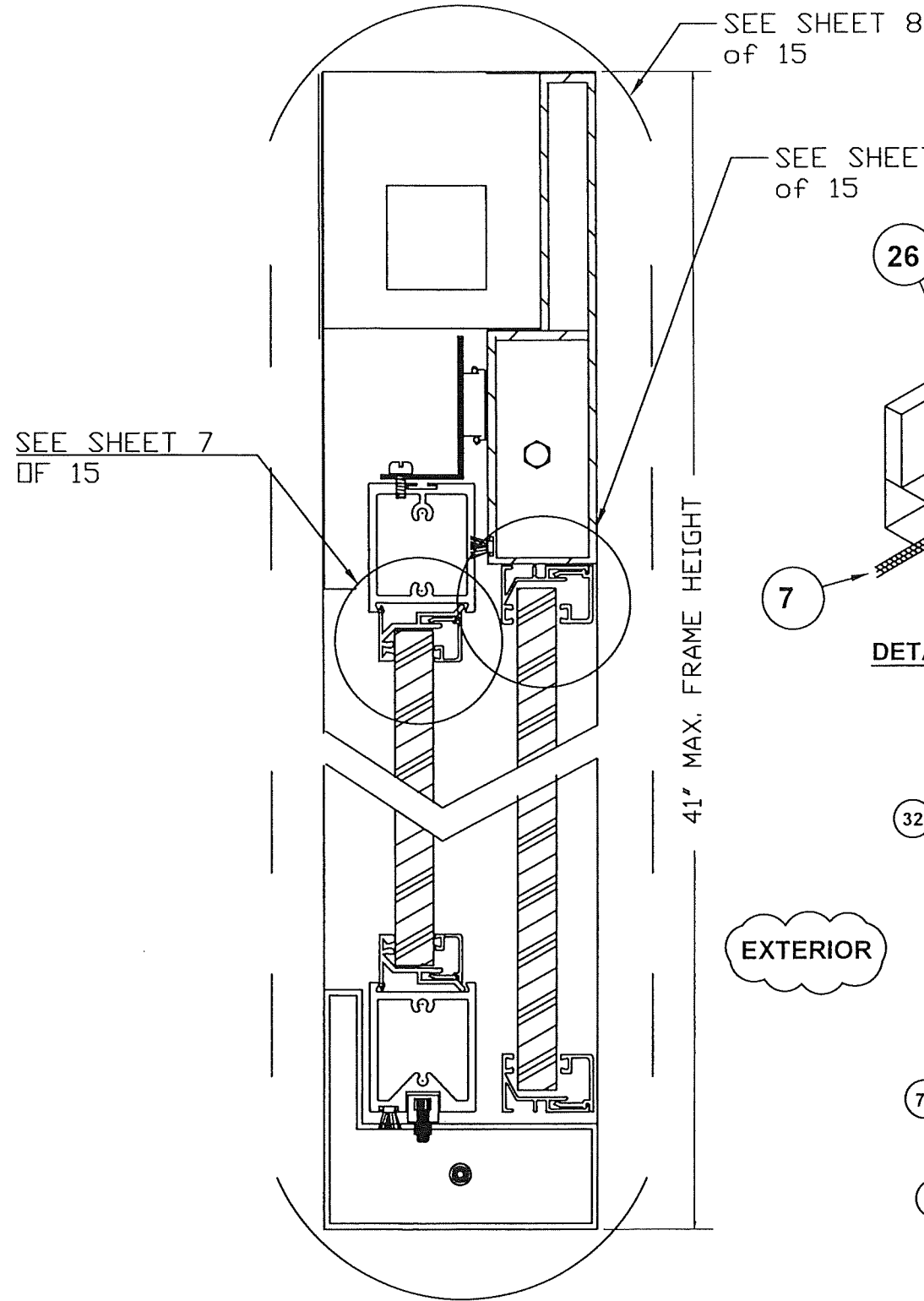
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1	OLD 21-023	7/28/23	3		
2			4		

DRAWN BY
Y.M.

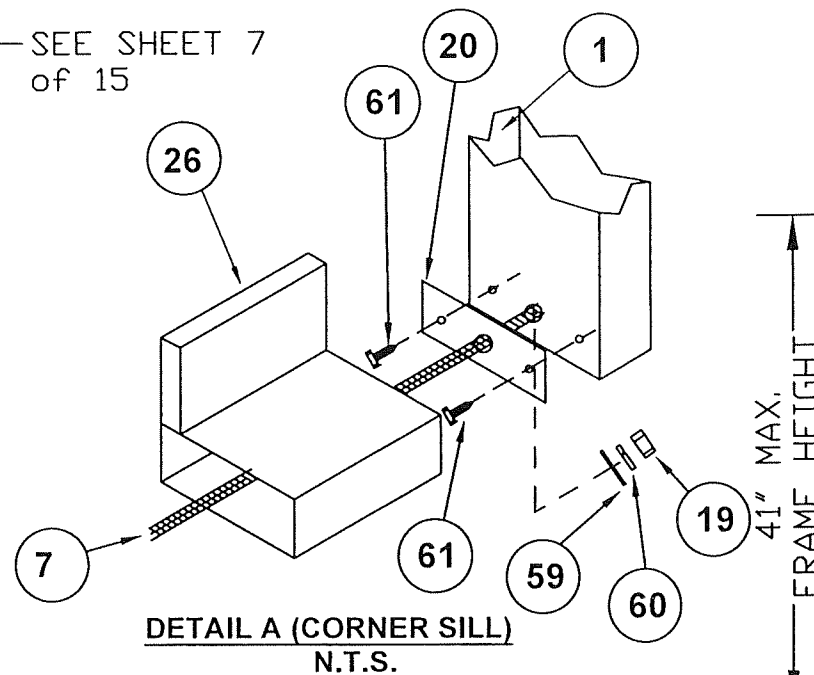
7/28/2023
DATE

23-145
DRAWING No

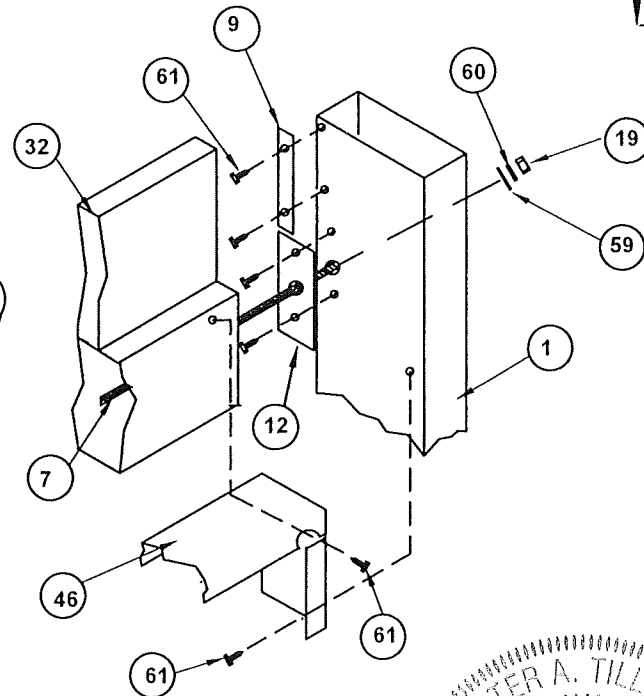
SHEET 2 OF 15



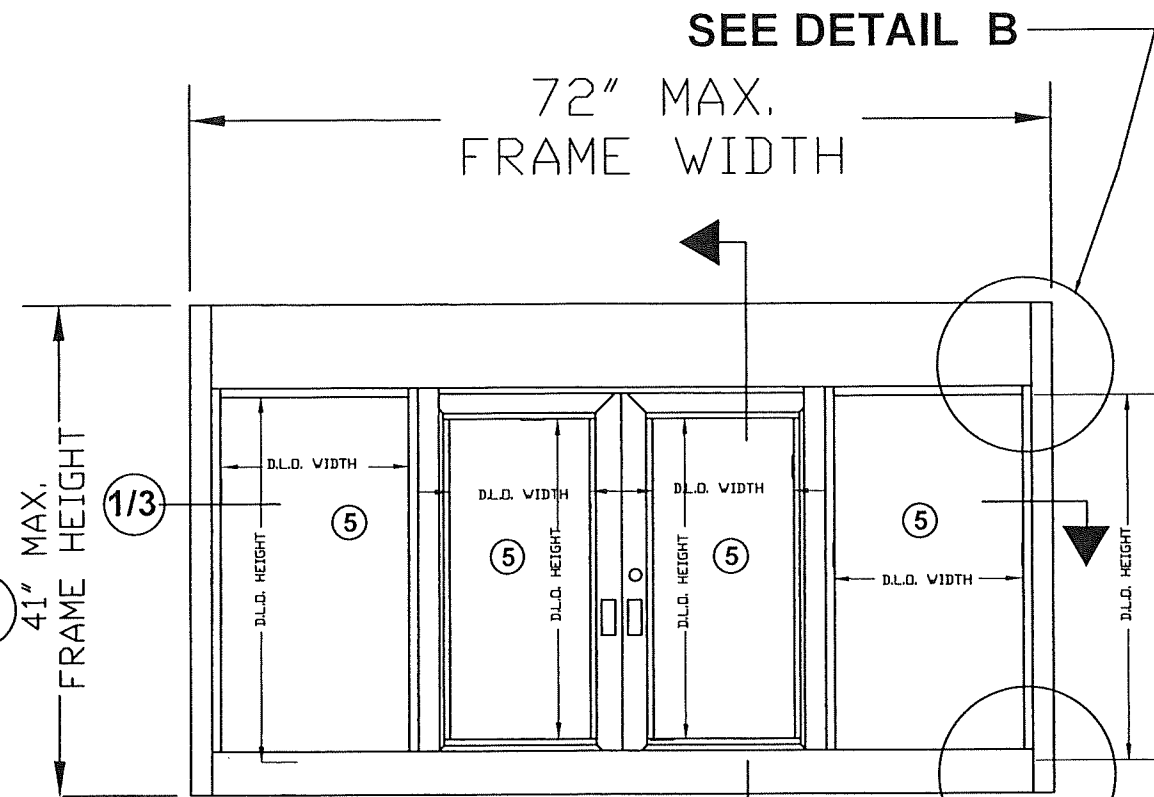
2 VERTICAL SECTION VIEW
N.T.S.



EXTERIOR



DETAIL B (CORNER HEAD)
N.T.S.



3 INTERIOR VIEW
N.T.S.

**WINDOW TYPE 1 (OXXO)
BP-7241E-IP
(CONTINUED)**

SEE DETAIL A

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By Isheq I. Chande
Miami-Dade Product Control

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
7/28/2023
P.E. SEAL/SIGNATURE/DATE

© 2023 TILTECO INC.
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 303, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@ttil.com
CA-0008719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.

11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041

PHONE: (713) 637-3437 FAX: (713) 637-9765

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-023	7/28/23	3		
2			4		

DRAWN BY
Y.M.

7/28/2023
DATE

23-145
DRAWING No

SHEET 4 OF 15

MIAMI DADE COUNTY

SEE SHEET 9
OF 15 (TYP)

SEE SHEET 7 OF 15

EXTERIOR

SEE SHEET 7 OF 15

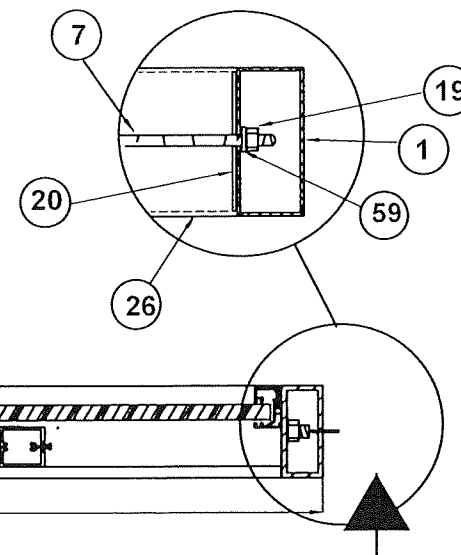
SEE SHEET 7 OF 15

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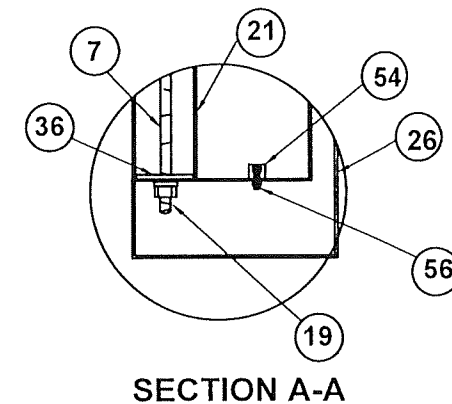
72" MAX. FRAME WIDTH

1 HORIZONTAL SECTION VIEW
N.T.S.

SEE SHEET 7 OF 15

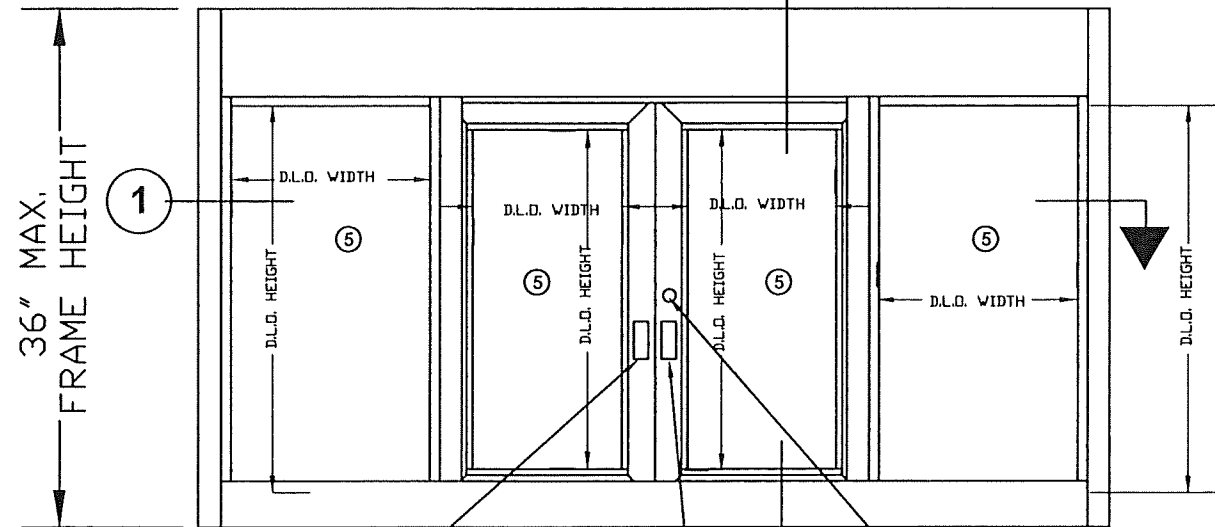


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By Isaac I. Chandra
Miami-Dade Product Control



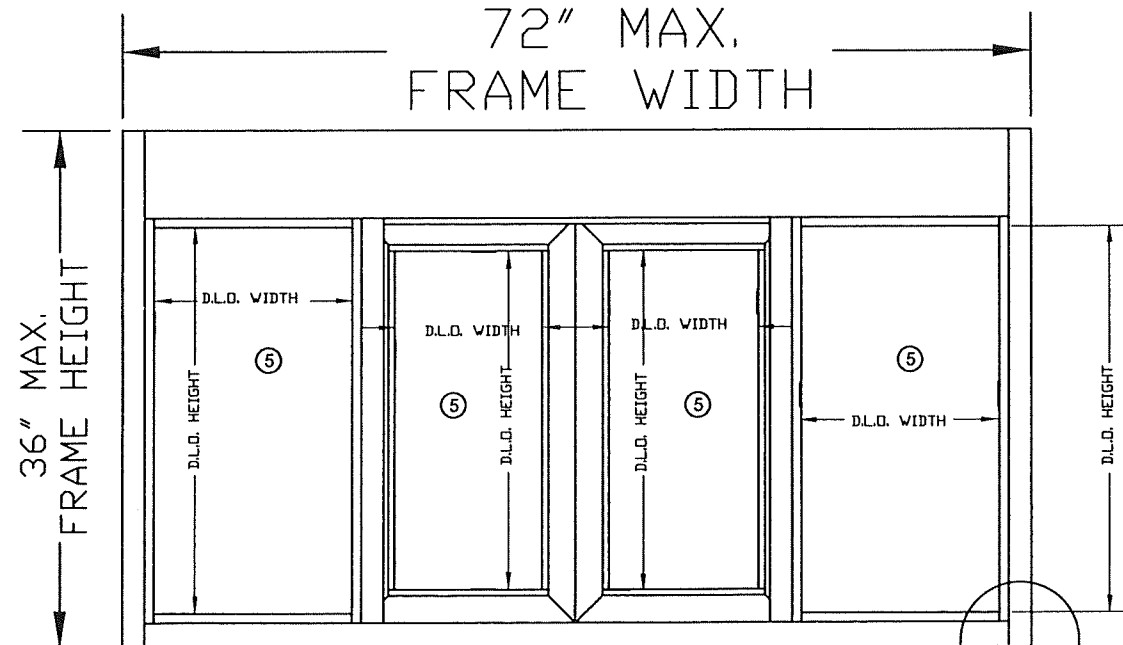
72" MAX.
FRAME WIDTH

72" MAX.
FRAME WIDTH



3 INTERIOR VIEW
N.T.S.

WINDOW TYPE 2 (OXXO)
BP-7236E-IP
N.T.S.

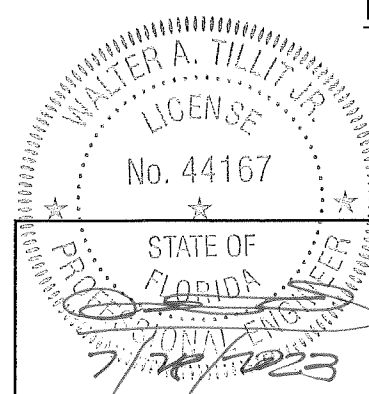


EXTERIOR VIEW (OXXO)
BP-7236E-IP
N.T.S.

SEE DETAIL A

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



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TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 30th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.

11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041

PHONE: (713) 937-3437 FAX: (713) 937-9785

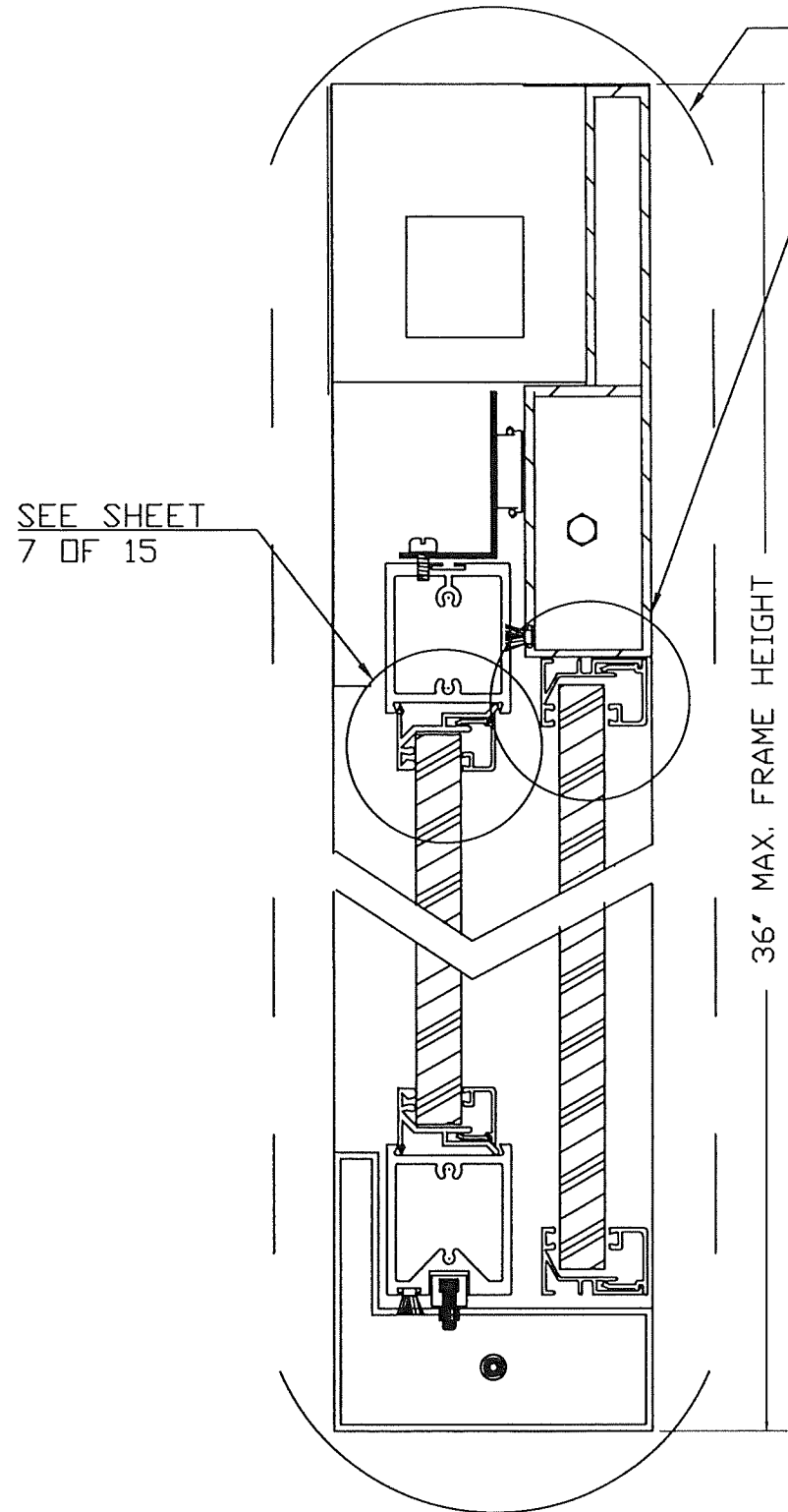
DRAWN BY
Y.M.

7/28/2023
DATE

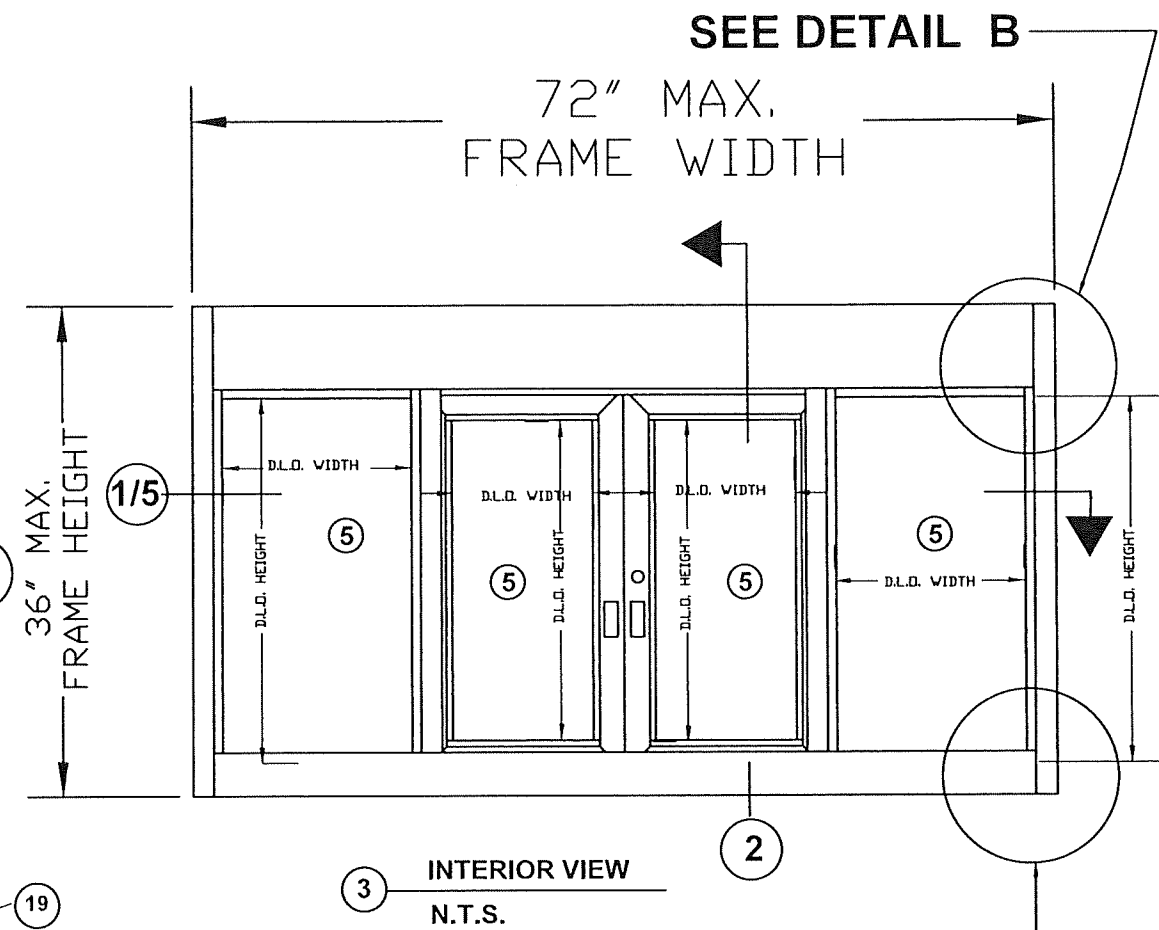
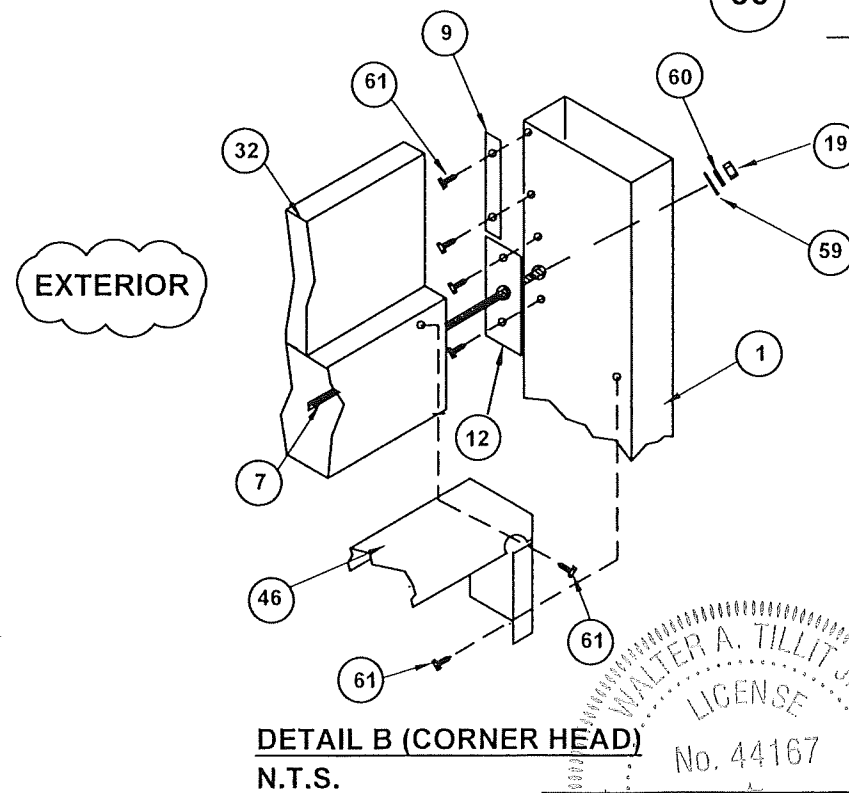
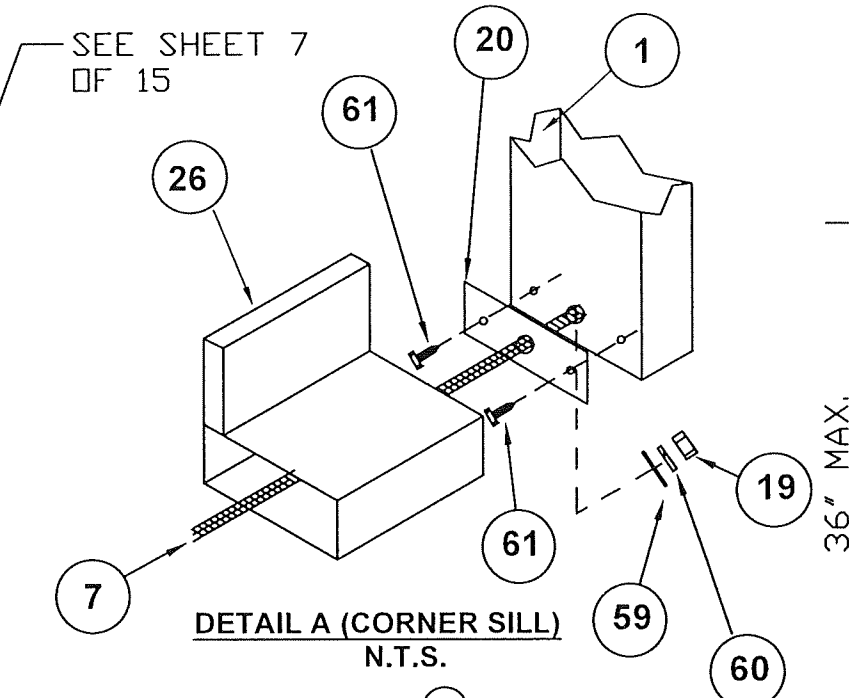
23-145
DRAWING No

SHEET 5 OF 15

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-023	7/28/23	3		
2			4		



2 VERTICAL SECTION VIEW
N.T.S.



WINDOW TYPE 2 (OXXO)
BP-7236E-IP
(CONTINUED)

SEE DETAIL A

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By Ishag I. Chande
Miami-Dade Product Control

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
Professional Engineer
7/28/2023
P.E. SEAL/SIGNATURE/DATE

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e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

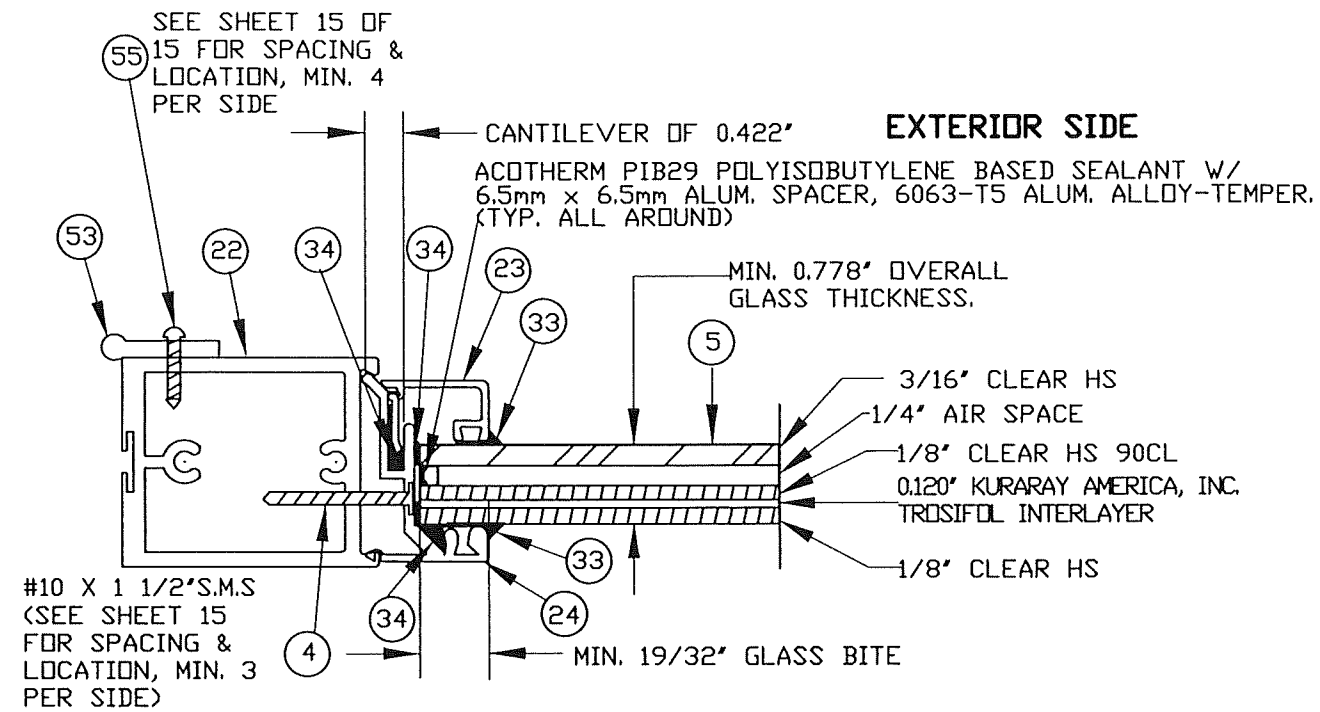
ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT
QUIKSERV CORP.
11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041
PHONE: (713) 937-3437 FAX: (713) 937-9765

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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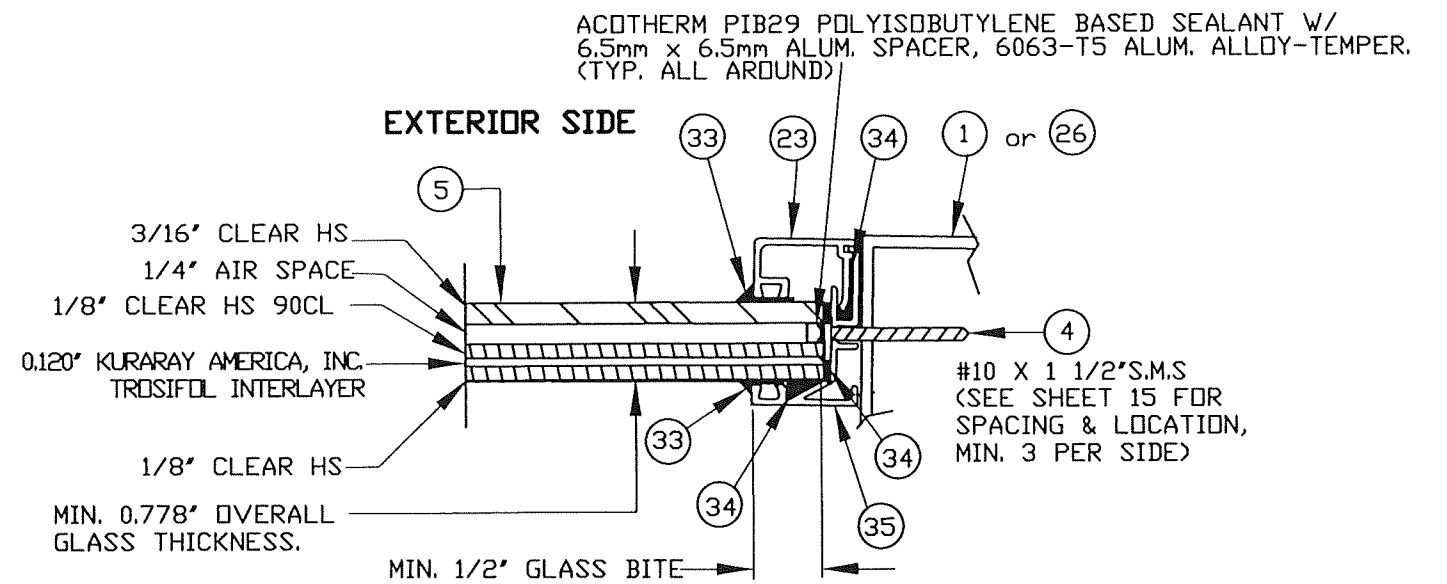
DRAWN BY
Y.M.
7/28/2023
DATE
23-145
DRAWING No
SHEET 6 OF 15

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

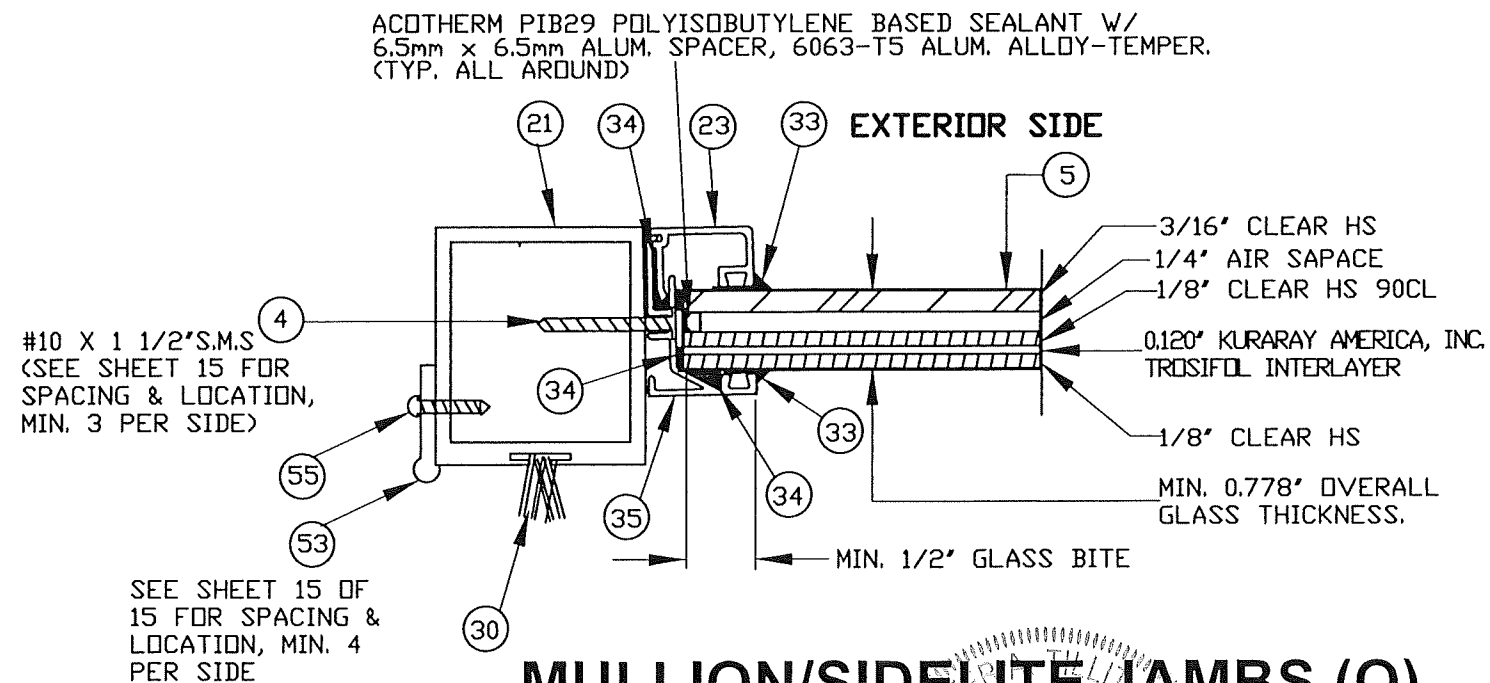
MIAMI DADE COUNTY



DOOR DETAIL (x)



SIDELITE JAMB DETAIL (o)



MULLION/SIDELITE JAMBS (O)

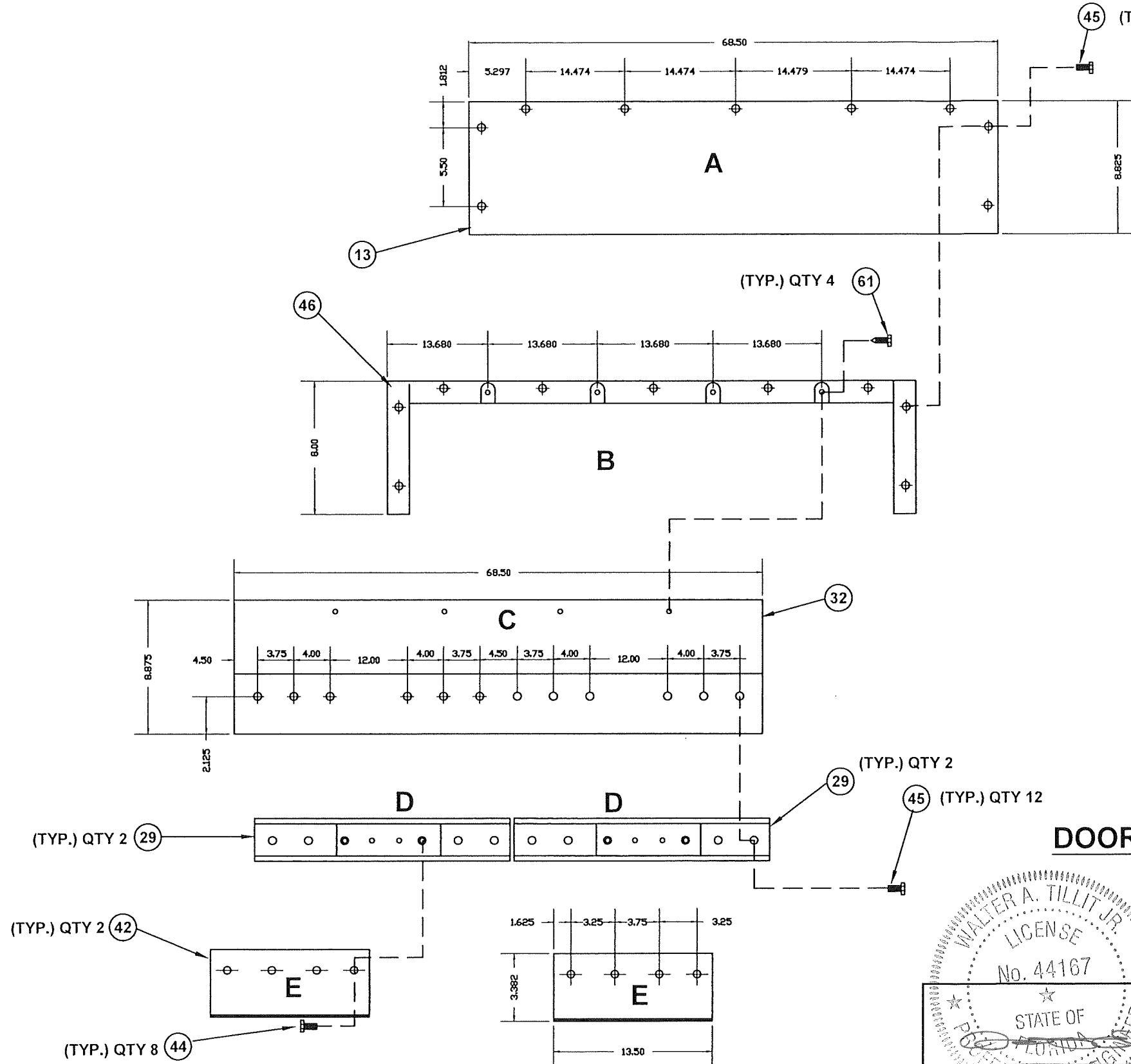
PRODUCT REVISED
as complying with the Florida
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NOA-No. 23-0816.28
Expiration Date 07/21/2026
By Ishag I. Chande
Miami-Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

 P.E. SEAL/SIGNATURE/DATE	<p>© 2023 TILTECO INC.</p> <div></div> <p>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 30th. St., Ste. 303, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 e-mail: tiltco@aol.com CA-0008719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167</p>	<p>ALUMINUM COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT</p>						<p>DRAWN BY Y.M.</p>																	
		<p>QUIKSERV CORP.</p> <p>11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041</p> <p>PHONE: (713) 637-3437 FAX: (713) 637-0765</p>						<p>7/28/2023 DATE</p>																	
								<p>23-145</p>																	
		<table><tr><th>REV. No</th><th>DESCRIPTION</th><th>DATE</th><th>REV. No</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td>1</td><td>OLD 21-023</td><td>7/28/23</td><td>3</td><td></td><td></td></tr><tr><td>2</td><td></td><td></td><td>4</td><td></td><td></td></tr></table>						REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 21-023	7/28/23	3			2			4		
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE																				
1	OLD 21-023	7/28/23	3																						
2			4																						
						<p>SHEET 7 OF 15</p>																			

MODEL BP-7241E-IP TYPE 1 WINDOW, HEADER
MODEL BP-7236E-IP TYPE 2 WINDOW, HEADER



NOTES:

A-(13) ACCESS COVER CONNECTS TO B-(46)
ACCESS COVER BRACKET WITH QTY OF 9
(45) TRIM HEAD 10/32 X 3/4 SCREWS.

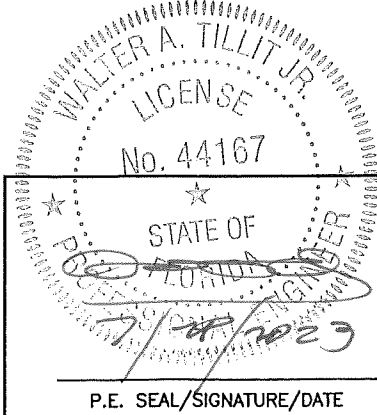
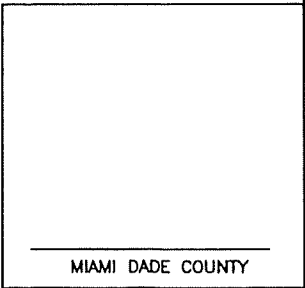
B-(46) ACCESS COVER BRACKET CONNECTS
TO C-(32) HEADER WITH QTY 4 OF (61) HEX SCREW
#8 X 1/2"

D-(29) BALLBEARING SASH SLIDERAIL QTY OF (2)
CONNECTS TO C-(32) HEADER WITH QTY 12 OF (45)
TRIM HEAD 10/32 X 3/4" SCREWS.

E-(42) DOOR BRACKET QTY(2) CONNECTS TO (29)
BALLBEARING SASH SLIDERAIL QTY(2) WITH
QTY 8 OF (44) HEX HEAD 10/32 X 3/8" SCREWS

DOOR - HEADER CONNECTIONS CONTINUED
INTERIOR ELEVATION
N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By Ishag I. Chande
Miami-Dade Product Control



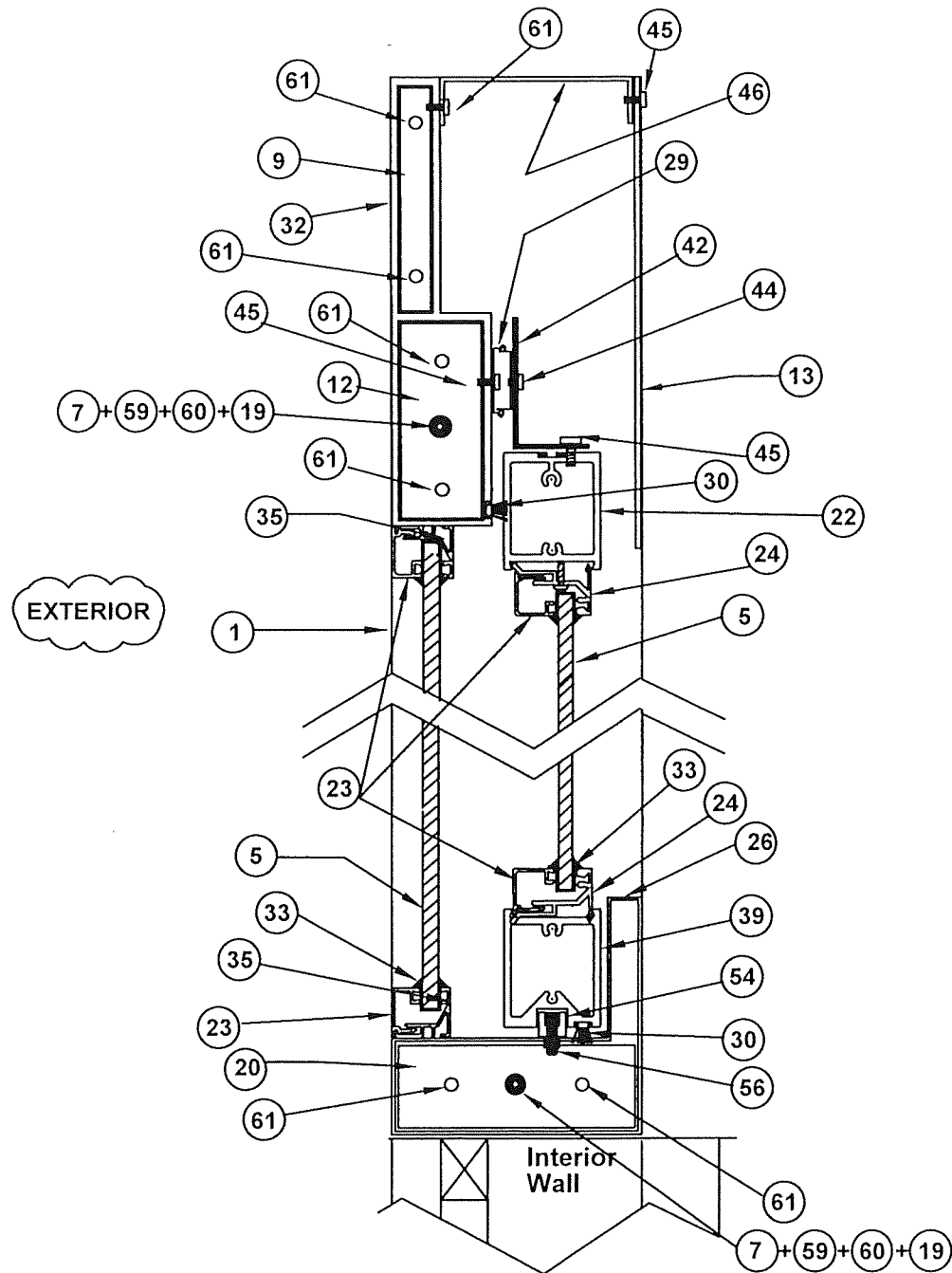
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CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
ALUMINUM COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT				DRAWN BY Y.M.	
QUIKSERV CORP.				7/28/2023 DATE	
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041				23-145 DRAWING No	
PHONE: (713) 937-3437 FAX: (713) 937-0765				SHEET 8A OF 15	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-023	7/28/23	3		
2			4		

MODEL BP-7241E-IP WINDOW TYPE 1, HEADER.
MODEL BP-7236E-IP WINDOW TYPE 2, HEADER.



DOOR - HEADER CONNECTIONS
N.T.S.

PRODUCT REVISED
as complying with the Florida
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NOA-No. 23-0816.28
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Miami-Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
7/28/2023
P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
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Phone : (305) 871-1530 • Fax : (305) 871-1531
e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

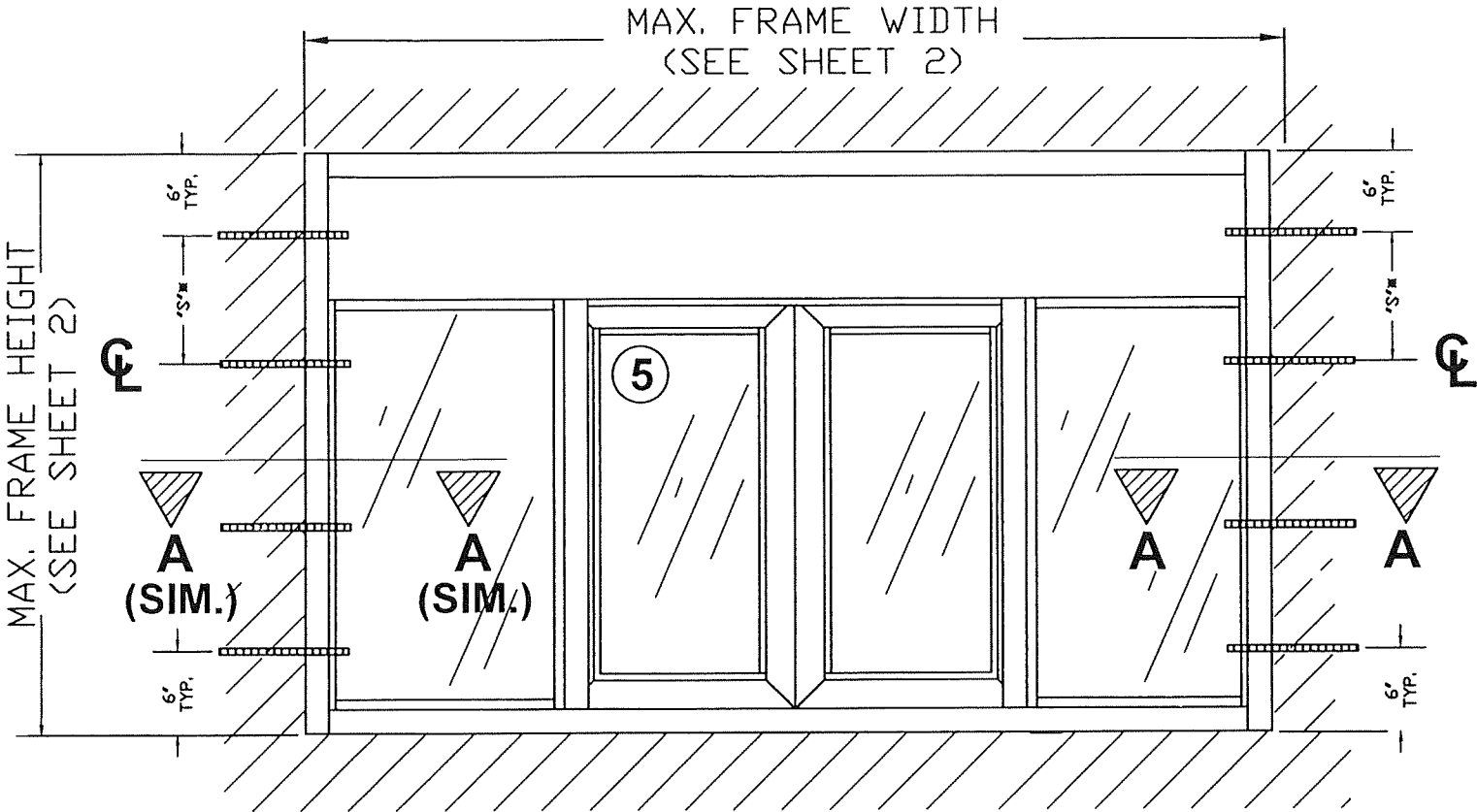
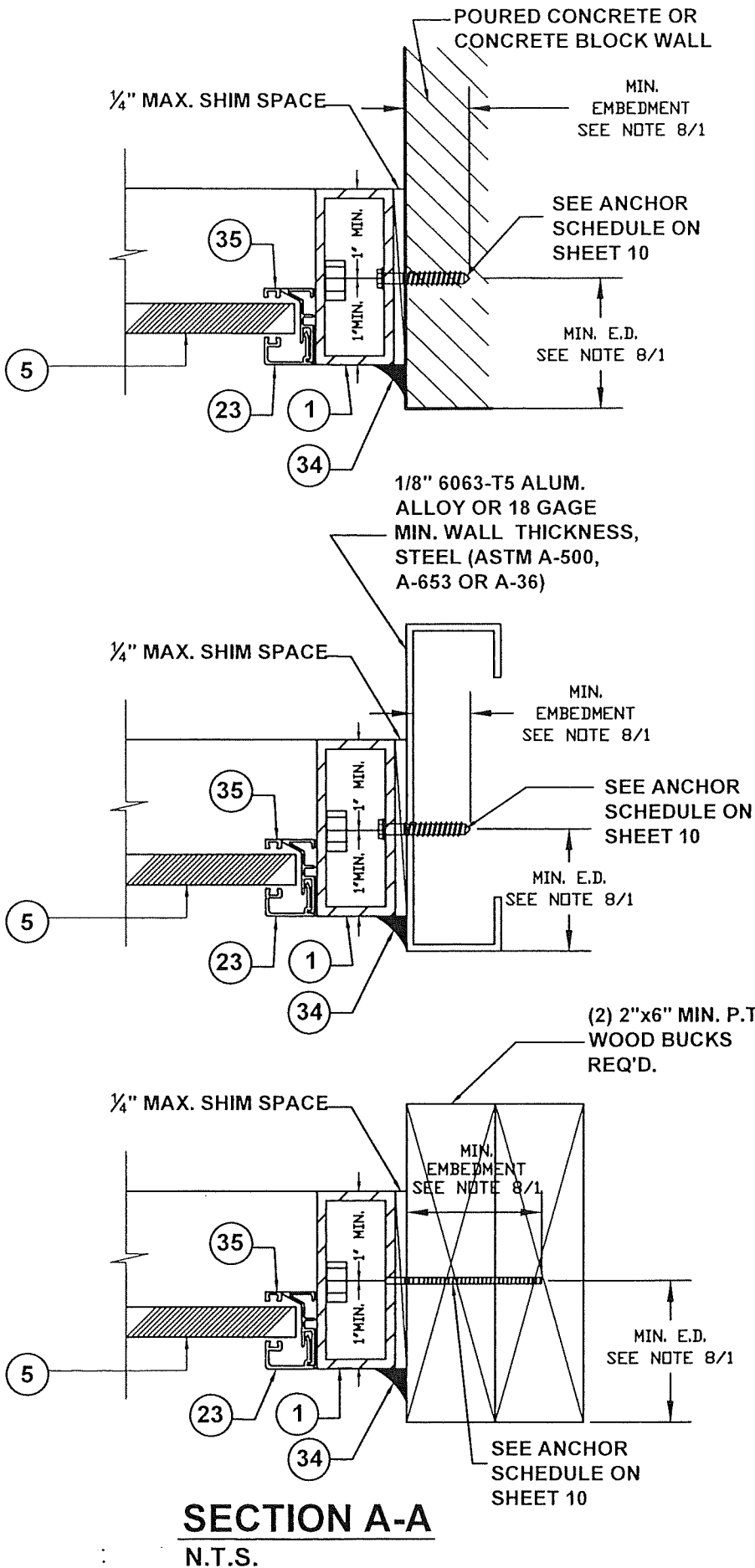
ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT
QUIKSERV CORP.
11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041
PHONE: (713) 937-3437 FAX: (713) 937-0765

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DATE
23-145
DRAWING No
SHEET 8 OF 15

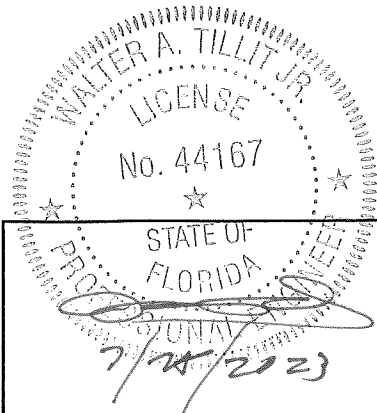
ANCHOR INSTALLATION AND LAYOUT

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TYPICAL FRAME ELEVATION
N.T.S.

* "S" = MAXIMUM SPACING
SEE SHEET 10.



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WALTER A. TILLIT Jr. P.E.
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ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.

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HOUSTON, TEXAS 77041
PHONE: (713) 637-3437 FAX: (713) 637-9765

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			4		

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7/28/2023
DATE

23-145
DRAWING No

SHEET 9 OF 15

MIAMI DADE COUNTY

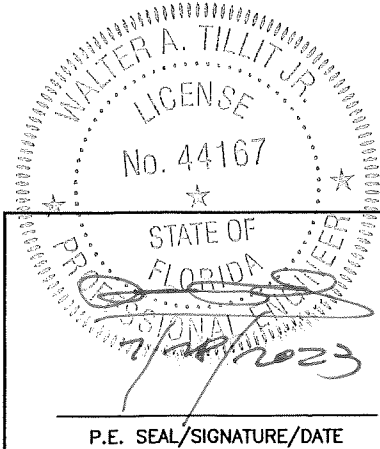
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

ANCHOR SCHEDULE

MAXIMUM ANCHOR SPACING "S" SCHEDULE AT JAMB			
MAX A.S.D. DESIGN LOAD (PSF) NEGATIVE LOAD	SUBSTRATE	ANCHOR TYPE	MAX SPACING
50 OR LESS	POURED CONCRETE (SEE NOTE 8A/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	10"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	10"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"Ø ITW BUILDEX TEK SCREWS	10"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"Ø ITW BUILDEX TEK SCREWS	10"
	WOOD (SEE NOTE 8C/1)	1/4"Ø WOOD SCREWS (NDS)	10"
> 50 TO 70	POURED CONCRETE (SEE NOTE 8A/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	7 1/2"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	7 1/2"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"Ø ITW BUILDEX TEK SCREWS	10"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"Ø ITW BUILDEX TEK SCREWS	10"
	WOOD (SEE NOTE 8C/1)	1/4"Ø WOOD SCREWS (NDS)	9"
> 70 TO 80	POURED CONCRETE (SEE NOTE 8A/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	6 1/2"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	6 1/2"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"Ø ITW BUILDEX TEK SCREWS	9 1/2"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"Ø ITW BUILDEX TEK SCREWS	9 1/2"
	WOOD (SEE NOTE 8C/1)	1/4"Ø WOOD SCREWS (NDS)	7 1/2"

PRODUCT REVISED
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Miami-Dade Product Control

MIAMI DADE COUNTY



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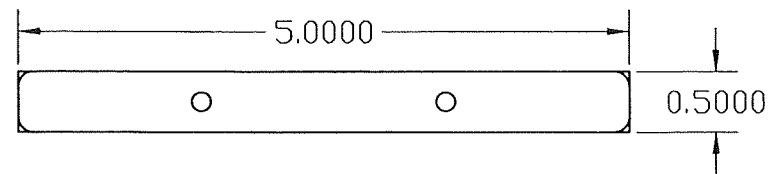
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

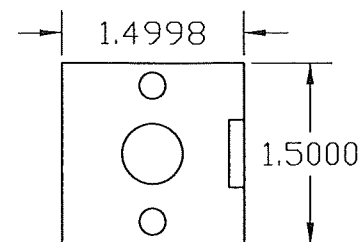
QUIKSERV CORP.
11441 BRITTMORE PARK DRIVE,
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PHONE: (713) 637-3437 FAX: (713) 637-9785

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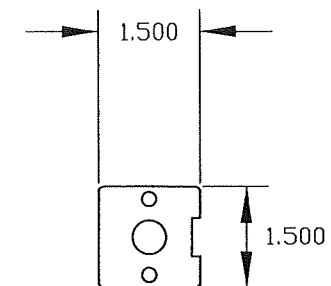
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Y.M.
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DATE
23-145
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SHEET 10 OF 15



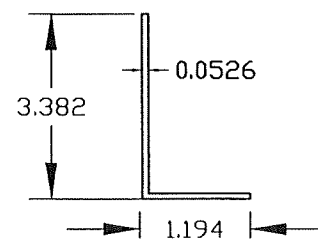
9 FRAMING PLATE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
QUIKSERV RM# 3981



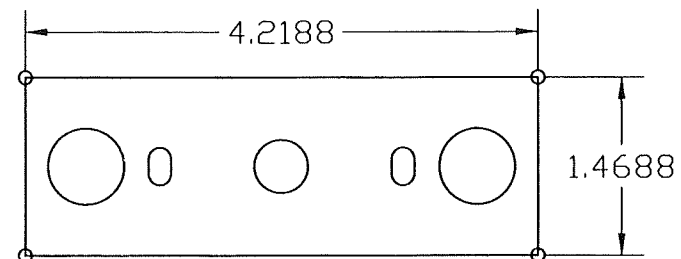
12 FRAMING PLATE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
QUIKSERV RM# 3668



36 FRAMING PLATE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
QUIKSERV RM# 3668



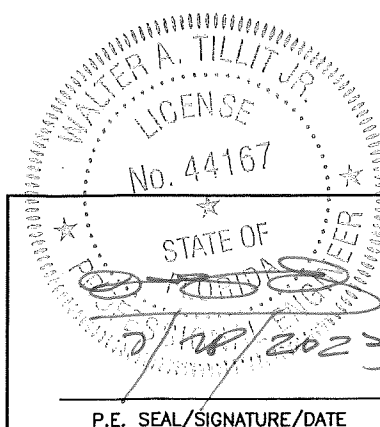
42 DOOR BRACKET
12 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
SIZE VARIES



20 FRAMING PLATE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
QUIKSERV RM# 3757

PRODUCT REVISED
as complying with the Florida
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Expiration Date 07/21/2026
By Ishaq I. Chande
Miami-Dade Product Control

STEEL ASSEMBLY COMPONENTS

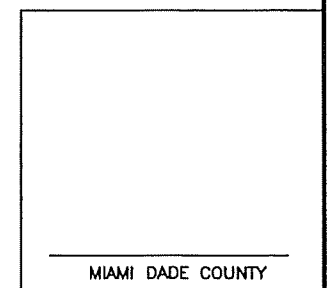


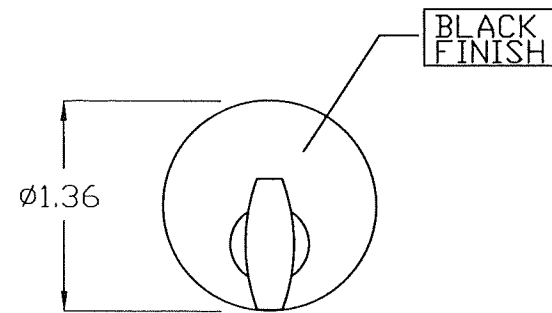
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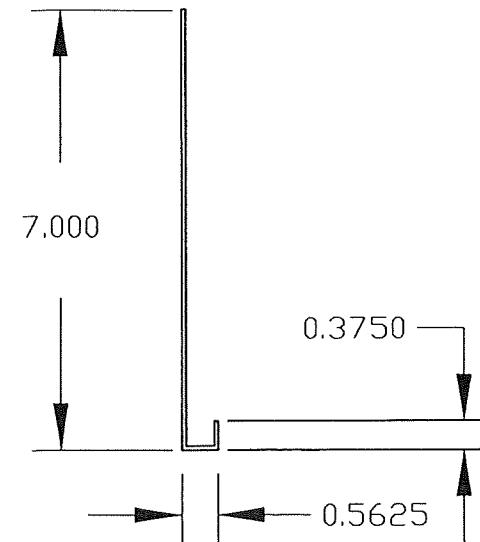
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 30th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
e-mail: tiltco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
ALUMINUM COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT				DRAWN BY Y.M.	
QUIKSERV CORP.				7/28/2023 DATE	
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041				23-145 DRAWING No	
PHONE: (713) 637-3437 FAX: (713) 637-9765				SHEET 11 OF 15	
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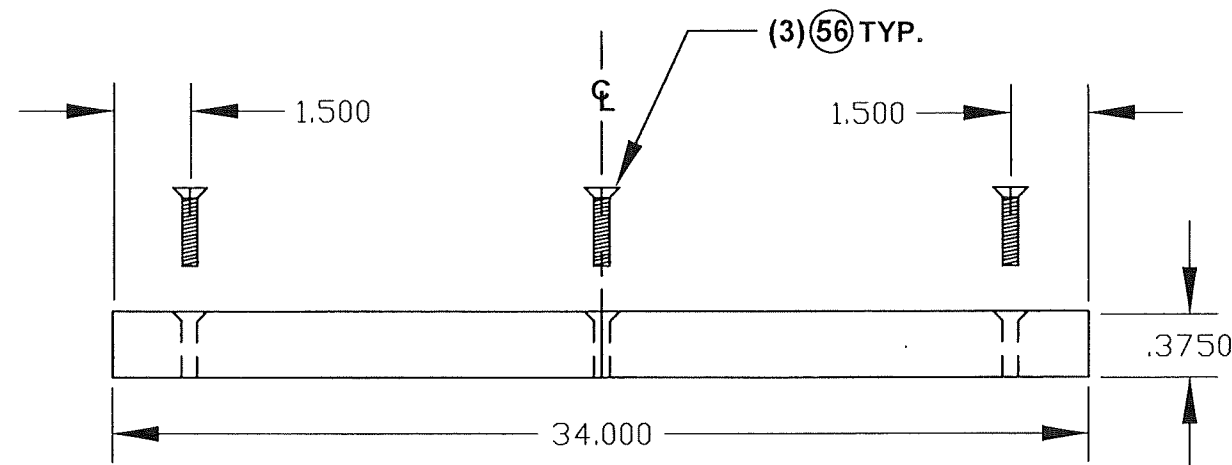




48 THUMB TURN HOOKLOCK
QUIKSERV PART # 2022



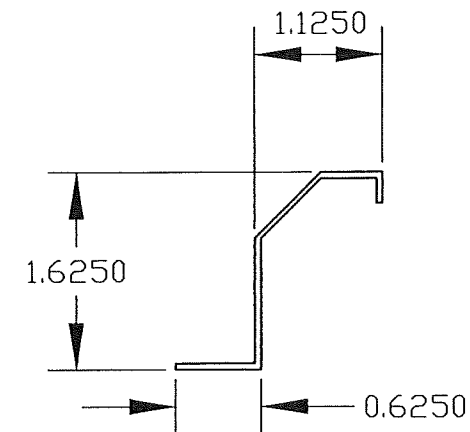
13 ACCESS COVER
18 ga. 304 Stainless Steel
BP-7241E-IP
BP-7236-IP
QUIKSERV RM# 3986



54 DOOR GUIDE BLOCK
HIGH DENSITY POLYETHYLENE
34" (L) X 3/8" (H) X 1/2" (W)

SPECIFIC GRAVITY=0.96-0.97
(PER SAFETY DATA SHEET)

MANUFACTURED BY QUADRANT EPP-USA INC,
700 NORTH SOUTH ROAD,
SCRANTON, PA 18501



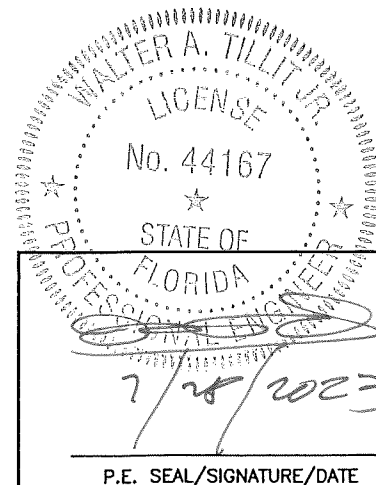
49 DOOR HANDLE
16 ga. 304 Stainless Steel
QUIKSERV RM# 3588

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By *Ishaq I. Chande*
Miami-Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

STEEL ASSEMBLY COMPONENTS (CONTINUED)



P.E. SEAL/SIGNATURE/DATE



ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.

11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041

PHONE: (713) 937-3437 FAX: (713) 937-9765

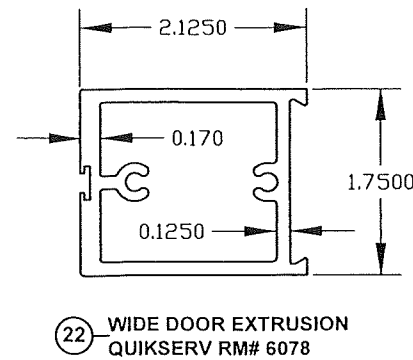
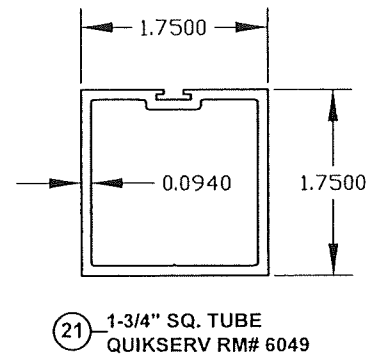
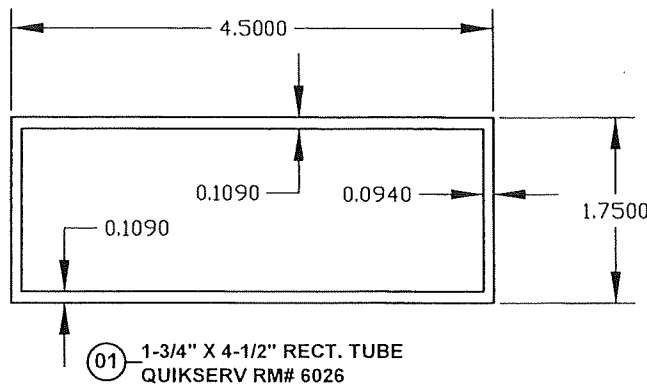
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Y.M.

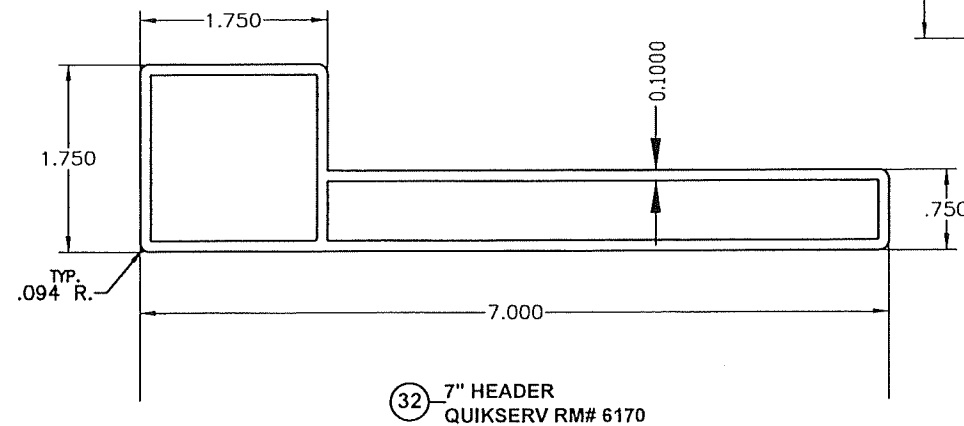
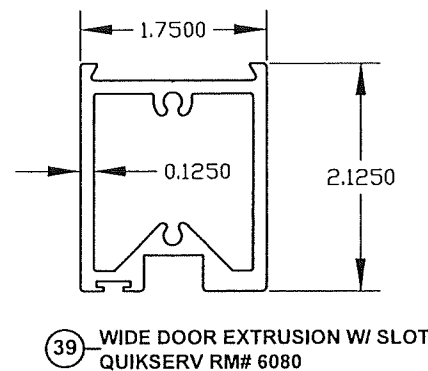
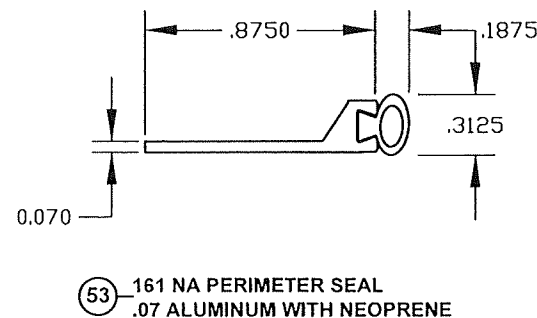
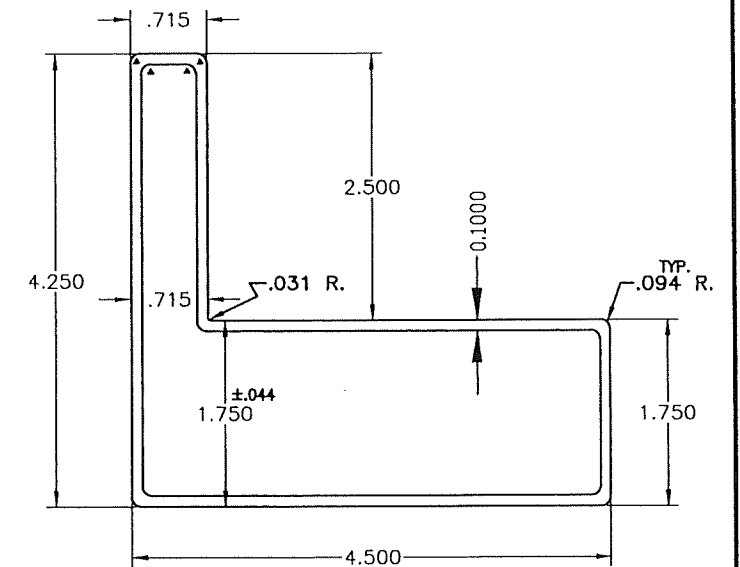
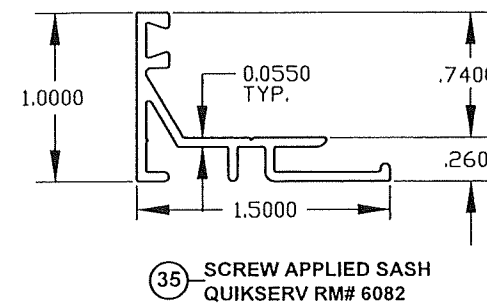
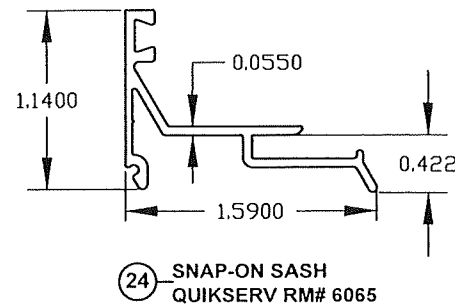
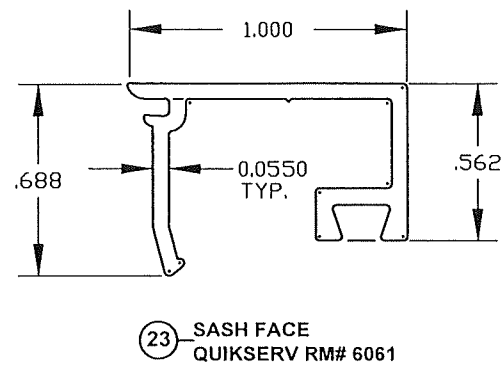
7/28/2023
DATE

23-145
DRAWING No

SHEET 12 OF 15



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0816.28
Expiration Date 07/21/2026
By *Ismael L. Chanda*
Miami-Dade Product Control



ALUMINUM EXTRUSIONS COMPONENTS

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
7/28/2023
P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33186
Phone : (305)871-1530 . Fax : (305)871-1531
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WALTER A. TILLIT JR. P.E.
FLORIDA Lic. # 44167

ALUMINUM COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT
QUIKSERV CORP.
11441 BRITTMORE PARK DRIVE,
HOUSTON, TEXAS 77041
PHONE: (713) 937-3437 FAX: (713) 937-9765

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-023	7/28/23	3		
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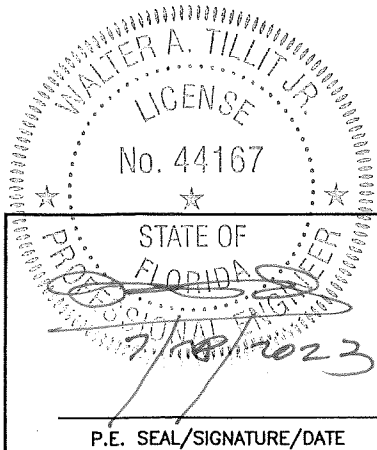
MIAMI DADE COUNTY
DRAWN BY
Y.M.
7/28/2023
DATE
23-145
DRAWING No
SHEET 13 OF 15

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

BILL OF MATERIALS

COMPONENT #	Description	Quikserv #	Material	Specs
1	1 3/4" x 4 1/2" Rect. Tube	6026	6063-T5 Aluminum	See drawing pg. 13 - length varies
4	Sheet Metal Screw	5055	304 Stainless Steel	See dwg pg. 15 - 10/32 x 1 1/2". For spacing information see sheet 8A of 15
5	Insulated Laminated Glass	n/a	0.120" Interlayer	See drawing pg. 7 - size varies
7	All Thread Rod	n/a	Grade 2 Carbon Steel, Zinc Plated	5/16" Diameter x Length varies
9	Framing Plate	3981	14 ga. ASTM A-653, CQ Grade 40 G-90 Galvanized Steel	See drawing pg. 11
12	Framing Plate	3668	14 ga. ASTM A-653, CQ Grade 40 G-90 Galvanized Steel	See drawing pg. 11
13	Access Cover for BP-7241E-IP & BP-7236E-IP	3986	18 ga 304 Series Stainless Steel	See drawing pg. 12
16	Flat Head Tamper Resistant Machine Screw	5054	304 Stainless Steel	10/32 x 1-1/2
17	Flat Head Machine Screw	5055	304 Stainless Steel	10/32 x 1-1/2
19	Hex Nut	5301	Zinc Plated	5/16-18
20	Framing Plate	3757	14 ga. ASTM A-653, CQ Grade 40 G-90 Galvanized Steel	See drawing pg. 11
21	1 3/4" Sq. Tube Mullion	6049	6063-T5 Aluminum	See drawing pg. 13 - length varies
22	Wide Door Extrusion Mullion	6078	6063-T5 Aluminum	See drawing pg. 13 - length varies
23	Sash Face	6061	6063-T5 Aluminum	See drawing pg. 13 - length varies
24	Snap-on Sash	6065	6063-T5 Aluminum	See drawing pg. 13- length varies
26	Base	6123	6063-T5 Aluminum	See drawing pg. 13 - length varies
28	Hex Bolt	5205	Grade 2 Carbon Steel, Zinc Plated	5/16-18 x 1"
29	Ball Bearing Sash Slide Rail	1917	Cold Roll Steel	dimensions 1 3/8"(h) x 32" (l) x 1/2" (d)
30	Weatherstripping	6034	0.270" x 0.320" Pile	n/a
32	Header for BP-7241E-IP & BP-7236E-IP	6170	6063-T5 Aluminum	See drawing pg. 13 - length varies
33	Glazing Vinyl	6032	n/a	n/a
34	Silicone	2100	Structural Silicone	Dow Corning 995
35	Screw Applied Sash	6082	6063-T5 Aluminum	See drawing pg. 13 - length varies
36	Framing Plate	3668	14 ga. ASTM A-653, CQ Grade 40 G-90 Galvanized Steel	See drawing pg. 11
39	Wide Door Extrusion w/ Slot	6080	6063-T5 Aluminum	See drawing pg. 13 - length varies
42	Door Bracket	n/a	12 ga. ASTM A-653, CQ Grade 40,G-90 Galvanized Steel	See drawing pg. 11- size varies
44	Trim Head Hex Machine Screw	5008	Grade 2 Carbon Steel, Zinc Plated	10-32 x 3/8". For spacing information see sheet 8A of 15
45	Trim Head Hex Machine Screw	5005	Grade 2 Carbon Steel, Zinc Plated	10-32 x 3/4". For spacing information see sheet 8A of 15
46	Access Cover Bracket	3985	20 ga. ASTM A-653, CQ Grade 40,G-90 Galvanized Steel	See pg. 4, 6 & 8
48	Hook Lock w/ Thumb Turn, Keeper and Face Plate	2022	Grade 2 Carbon Steel, Zinc Plated	See drawing pg. 12
49	Door Handle	3588	16 ga. 304 Stainless Steel	See drawing pg. 12
53	161 NA Perimeter Seal	n/a	0.07 Aluminum with Neoprene	See drawing pg. 13 - length varies
54	Door Guide Block	n/a	High Density Polyethylene 34" (L)x3/8" (H)x1/2" (W)	See drawing pg. 12
55	Phil Pan Tek Screw	5036	410 Series Stainless Steel	#8 x 1/2" (4) per side, fastening 53 to 21 & 22
56	Phil Flat Undercut Screw	5052	304 Series Stainless Steel	(3) #10-32 x 1"
59	Flat Washer	5402	Grade 2 Carbon Steel, Zinc Plated	5/16" diameter x 0.100" Thick
60	Lock Washer	5403	Grade 2 Carbon Steel, Zinc Plated	5/16" diameter x 0.083" Thick
61	Tek Screw	6017	Grade 2 Carbon Steel, Zinc Plated	#8 x 1/2". For spacing information see sheet 8A of 15

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MIAMI DADE COUNTY

