MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

QuikServ Corp.
11441 Brittmore Park Drive
Houston, TX 77240

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 "Impact Pass-Thru Horizontal Sliding" Aluminum Pass-Through Window – L. M. I.

APPROVAL DOCUMENT: Drawing No. **13-085**, titled "Commercial Pass–Thru Windows - Large Missile Impact Resistant", sheets 1 through 14 of 14, dated 11/15/13, with revision #1 dated 11/15/13, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, 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 and renews NOA# 11-1206.07** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

MIAMI-DADE COUNTY APPROVED

2/4/14

QuikServ Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **13-085**, titled "Commercial Pass–Thru Windows - Large Missile Impact Resistant", sheets 1 through 14 of 14, dated 11/15/13, with revision #1 dated 11/15/13, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Architectural Testing, Inc., Test Report No. **ATI-85482.01–801–18**, dated 12/01/08, revision "**1**", dated 02/16/09, signed and sealed by Joseph A. Reed, P.E.
   (Submitted under NOA# 08-1210.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2007** and **FBC-2010**, prepared by Tilteco, Inc., dated 04/24/07 and updated to **FBC-2010** on 11/28/11, signed and sealed by Walter A. Tillit, P. E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **12–1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
2. Material Safety Data Sheet issued by Quadrant Engineering Plastic Products, dated September 11, 2008 and revised by M. Lykins.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-1203.09
Expiration Date: March 25, 2019
Approval Date: February 13, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010**, dated 11/13/13, signed and sealed by Walter A. Tillit, P.E.
2. Statement letter of no financial interest, dated 12/02/08, signed and sealed by Walter A. Tillit, P.E.
   (Submitted under NOA# 08-1210.04)
3. Laboratory compliance letter for Test Report No. **ATI 85482.01–801–18**, issued by Architectural Testing, Inc., dated 12/05/08, signed and sealed by Joseph A. Reed, P.E.
   (Submitted under NOA# 08-1210.04)

G. OTHERS

1. Notice of Acceptance No. **11-1206.07**, issued to QuikServ Corp. for their Series "Impact Pass-Thru Horizontal Sliding" Aluminum Pass-Through Window – L.M.I., approved on 02/16/12 and expiring on 03/25/14.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-1203.09
Expiration Date: March 25, 2019
Approval Date: February 13, 2014

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 2010 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 7-10 FOR INSTALLATIONS UNDER 2010 FBC AND 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 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO 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 WAS **NOT** USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005.
THESE COMMERCIAL PASS-THRU WINDOWS' ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 PROTOCOLS, PER A.T.I. LAB REPORT # 85482.01-801-18 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1615 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 10, 11 & 12.

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 MUST BE PAINTED PER SECTIONS 2003.8.4.2., 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

8. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.
(A) TO EXISTING POURED CONCRETE: (MIN. f'c = 3192 PSI), MIN. EDGE DISTANCE (E.D.) = 2 1/2".
- 1/4"ø TAPCON ANCHORS W/ 1 1/4" 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 1/2".
- 1/4"ø TAPCON ANCHORS W/ 1 1/4" 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 2005.

(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. SHIM SPACE.

10. COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION.
ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:
"PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT"
QUIKSERV CORP.
HOUSTON, TEXAS.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

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	SS-4035E-IP WINDOW TYPE 1 (XO)
4	SC-4030-IP WINDOW TYPE 2 (XO)
5	SC-3030-IP WINDOW TYPE 3 (XO)
6	GLAZING DETAILS
7	DOOR - HEADER & SILL CONNECTIONS
8	ANCHOR INSTALLATION / LAYOUT
9	ANCHOR SCHEDULE
10	STEEL ASSEMBLY COMPONENTS
11	ALUMINUM EXTRUSIONS COMPONENTS
12	ASSEMBLY COMPONENTS (CONTINUED)
13	SASH INSTALLATION DETAILS
14	BILL OF MATERIALS

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1203.09
Expiration Date March 25, 2019
By Manuel Perez
Miami Dade Product Control
MIAMI DADE COUNTY

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

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Sta. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

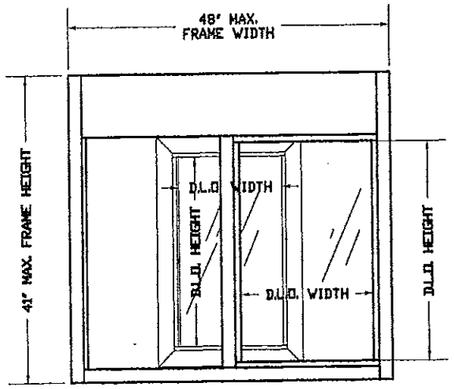
COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

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 11-120	11/15/13	3		
2			4		

DRAWN BY A.G.
11/15/13 DATE
13-085 DRAWING No
SHEET 1 OF 14

COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT
EXTERIOR ELEVATIONS



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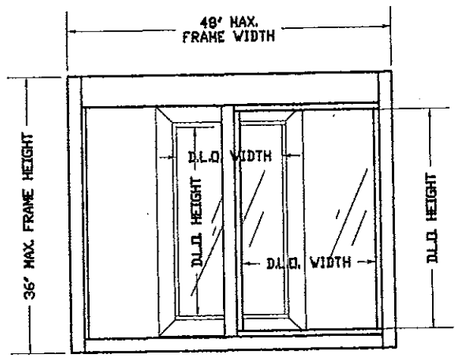

SC-4030-IP
WINDOW TYPE 2 (XO)
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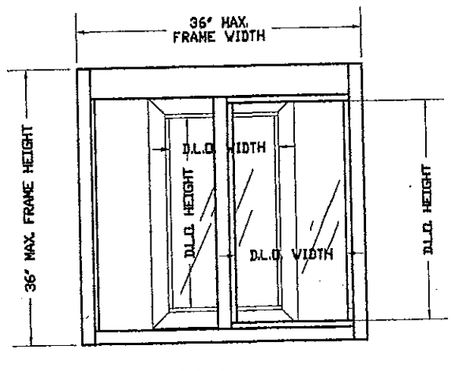

SC-3030-IP
WINDOW TYPE 3 (XO)
N.T.S.

MODEL	WINDOW TYPE	ACTUAL FRAME MAX. DIMENSION	MAX. D.L.O. DIMENSIONS	GLAZING TYPE
SS-4035E-IP	1	48"(W) X 41"(H)	(X) 16-3/4"(W) X 24"(H) (O) 19-1/2"(W) X 28"(H)	SEE PAGE 6 OF 14
SC-4030-IP	2	48"(W) X 36"(H)	(X) 16-3/4"(W) X 24"(H) (O) 19-1/2"(W) X 28"(H)	
SC-3030-IP	3	36"(W) X 36"(H)	(X) 11"(W) X 24"(H) (O) 15-1/2"(W) X 28"(H)	

PRODUCT REVISED
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By Manuel Perez
Miami Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
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WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.
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PHONE: (713) 937-5437 FAX: (713) 937-9765

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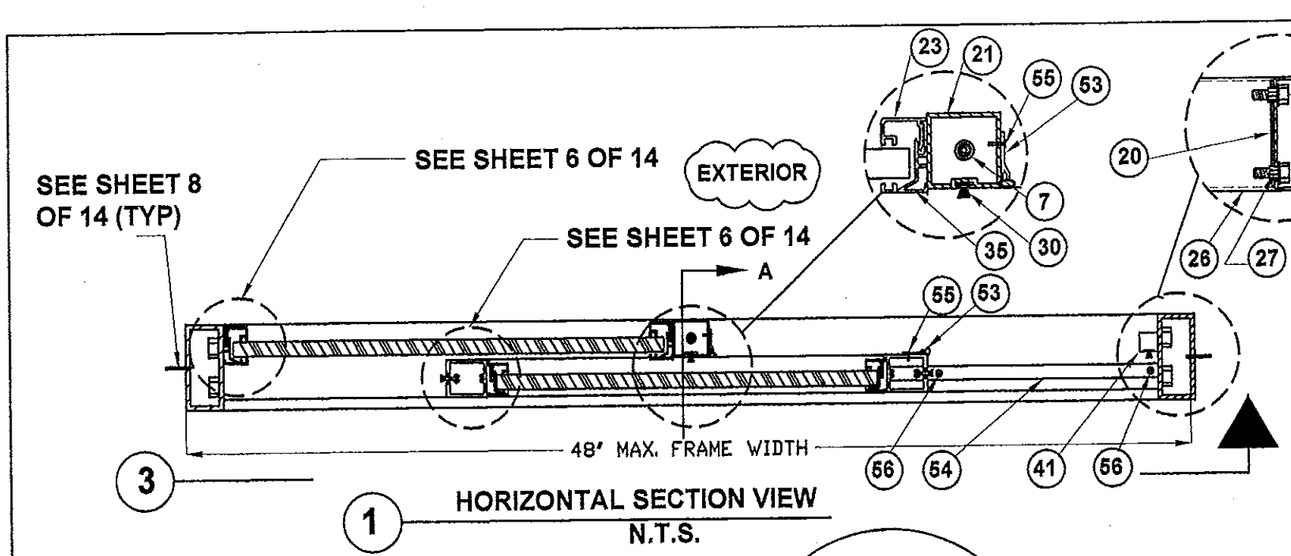
2			4		

DRAWN BY
A.G.

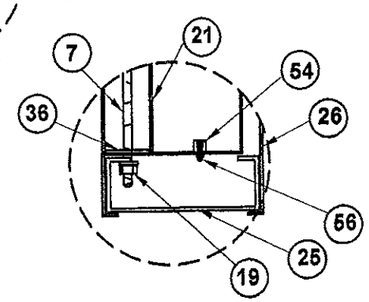
11/15/13
DATE

13-085
DRAWING No

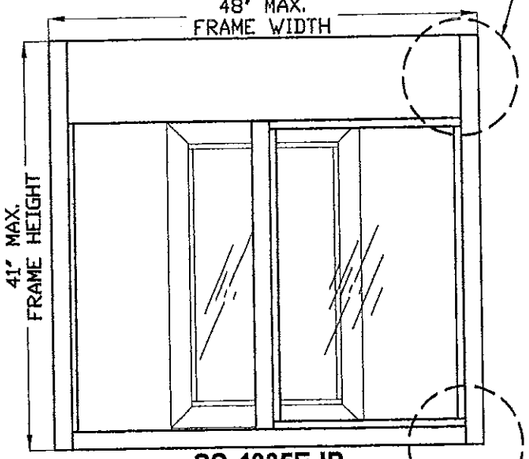
SHEET 2 OF 14



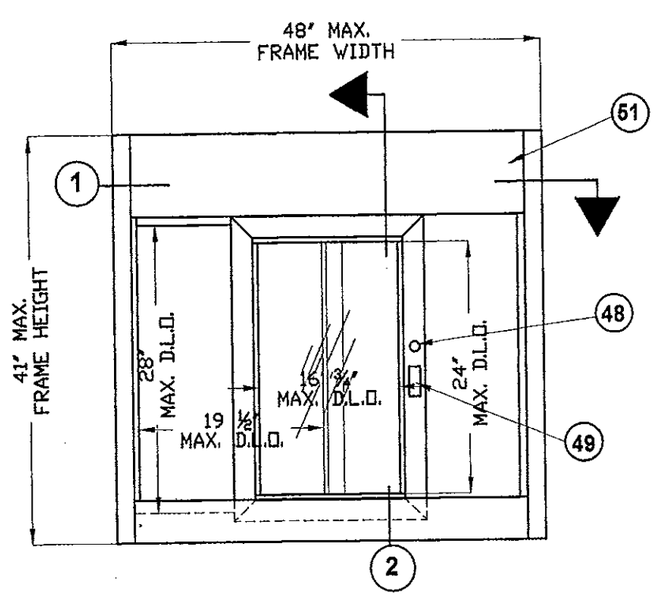
3 — 1 HORIZONTAL SECTION VIEW
N.T.S.



SECTION A-A



SS-4035E-IP
EXTERIOR VIEW (XO)
N.T.S.
SEE DETAIL A



3 — INTERIOR VIEW
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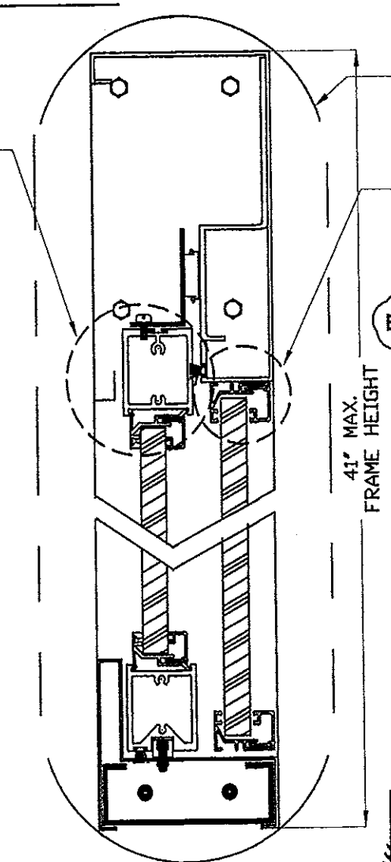
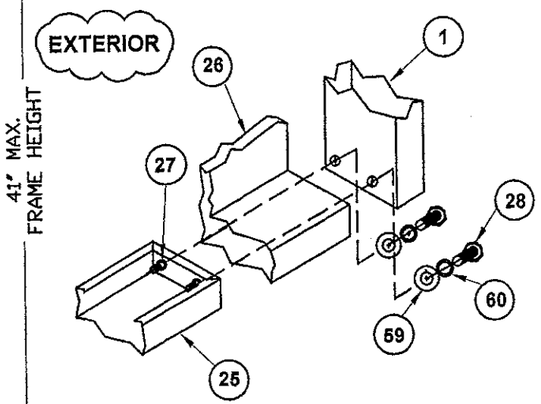
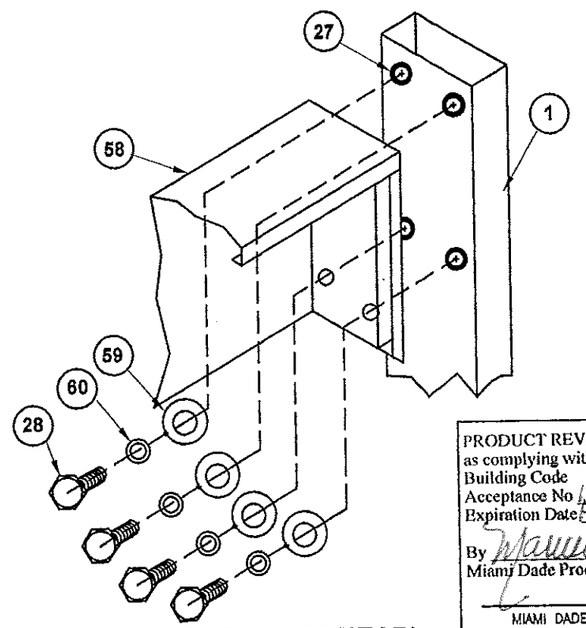


2 — VERTICAL SECTION VIEW N.T.S.



DETAIL A (CORNER SILL)
N.T.S.



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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-1203.09
Expiration Date March 25, 2019
By Manuel Perez
Miami Dade Product Control
MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

WINDOW TYPE 1 (XO)
SS-4035E-IP

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

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
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LARGE MISSILE IMPACT RESISTANT

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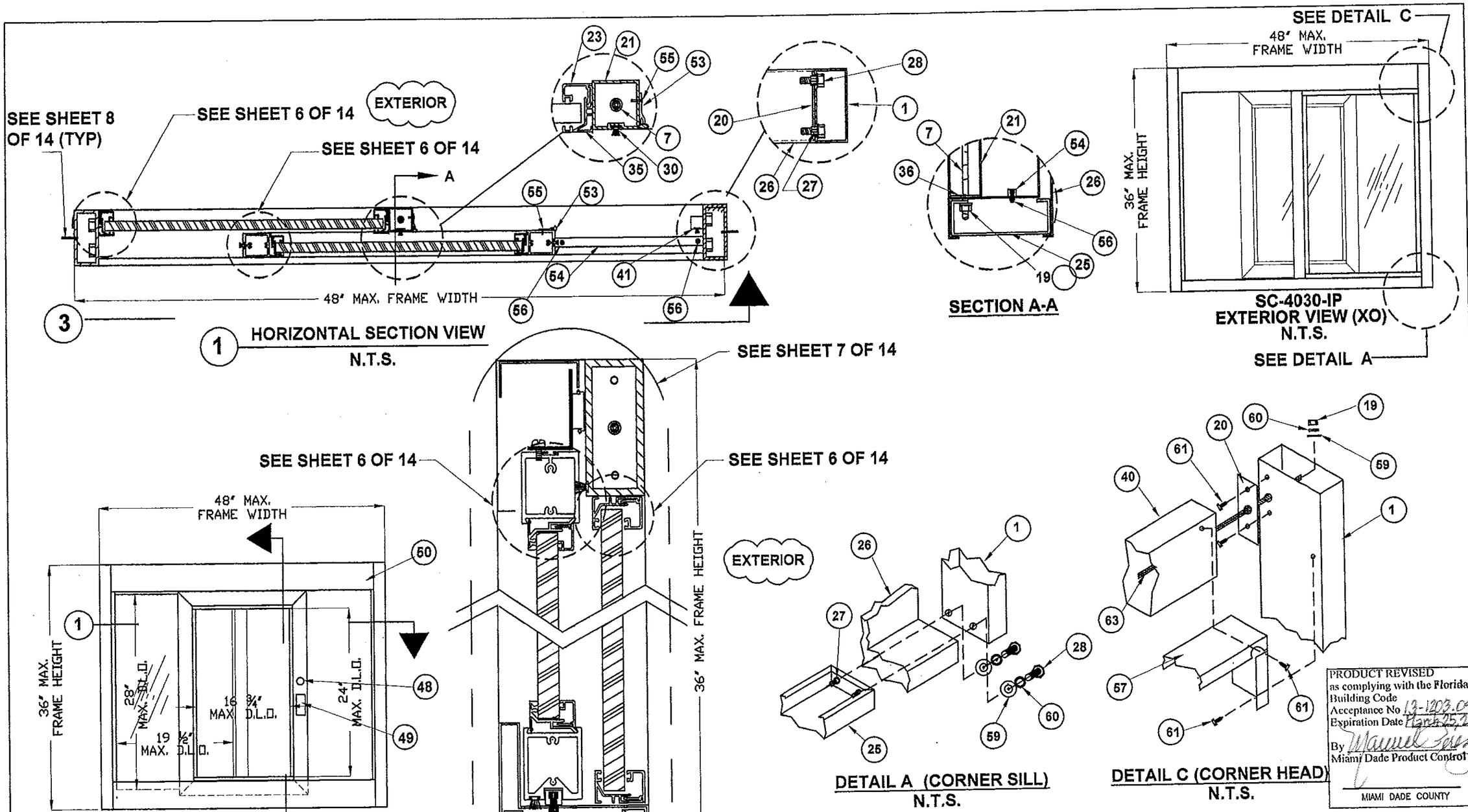
1	OLD 11-120	11/15/13	3		
2			4		

DRAWN BY A.G.
11/15/13 DATE
13-085 DRAWING No
SHEET 3 OF 14



3 HORIZONTAL SECTION VIEW
N.T.S.

SECTION A-A

SC-4030-IP
EXTERIOR VIEW (XO)
N.T.S.

3 INTERIOR VIEW
N.T.S.

2 VERTICAL SECTION VIEW N.T.S.

DETAIL A (CORNER SILL)
N.T.S.

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

WINDOW TYPE 2 (XO)
SC-4030-IP

PRODUCT REVISED
as complying with the Florida Building Code
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By Manuel Perez
Miami Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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Phone : (305)871-1530 . Fax : (305)871-1531
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COMMERCIAL PASS-THRU WINDOWS
LARGE MISSILE IMPACT RESISTANT

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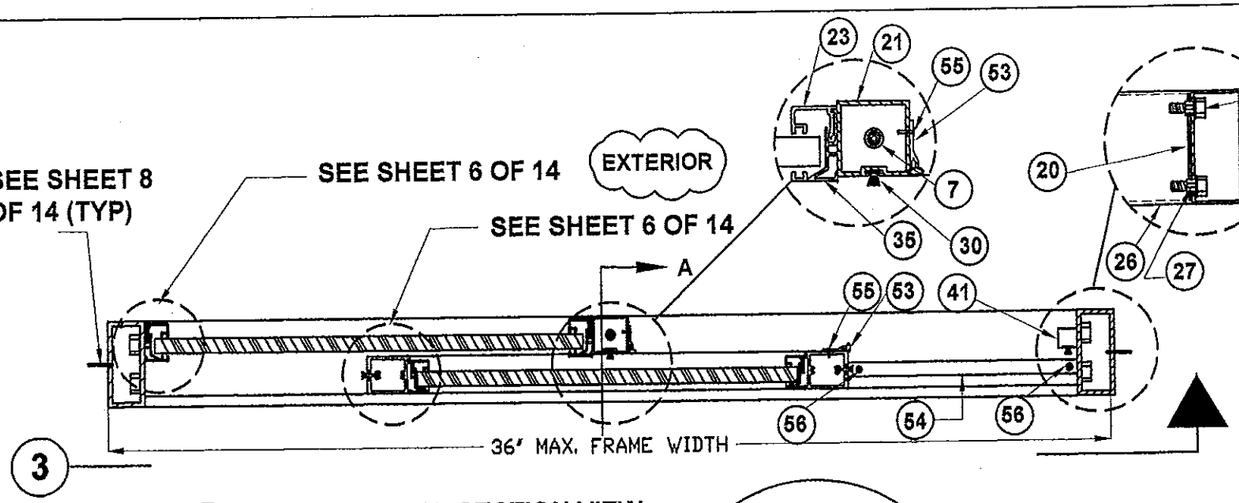
2			4		

DRAWN BY A.G.
11/15/13 DATE
13-085 DRAWING No
SHEET 4 OF 14



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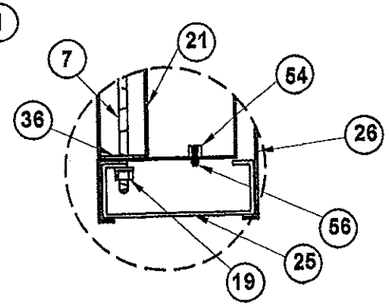
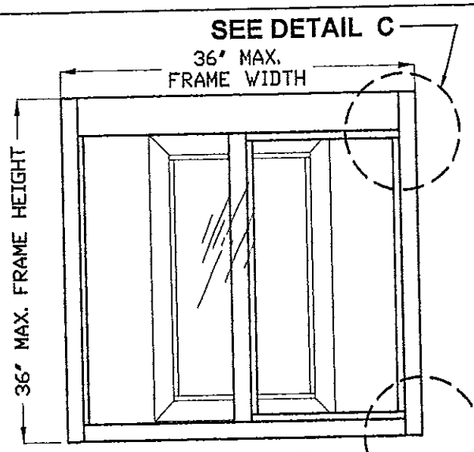


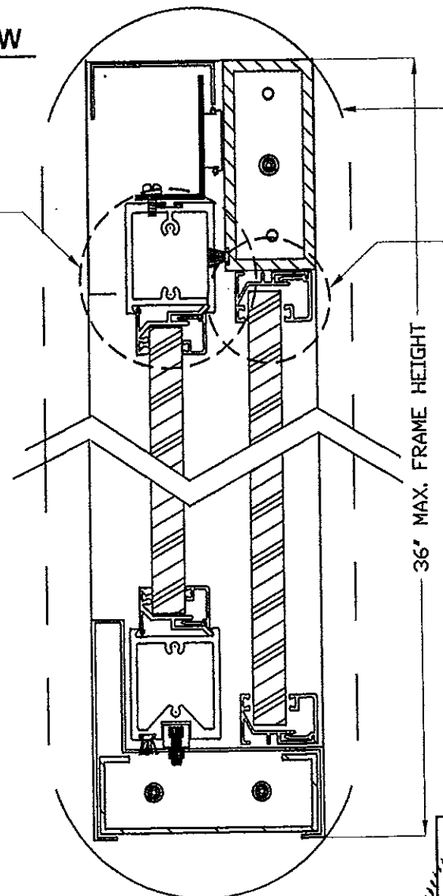
SECTION A-A

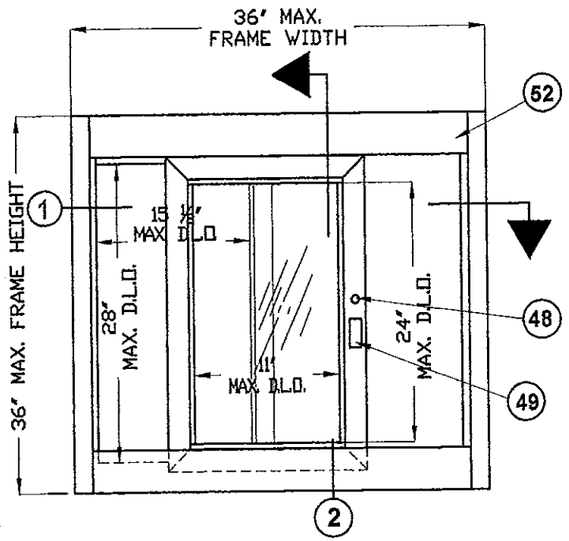


SC-3030-IP
EXTERIOR VIEW (XO)
N.T.S.

SEE DETAIL A

1 HORIZONTAL SECTION VIEW
N.T.S.

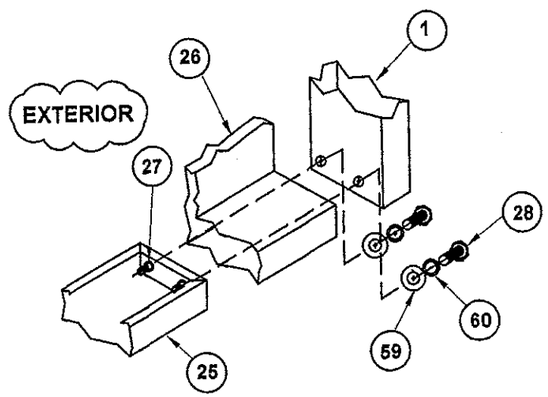




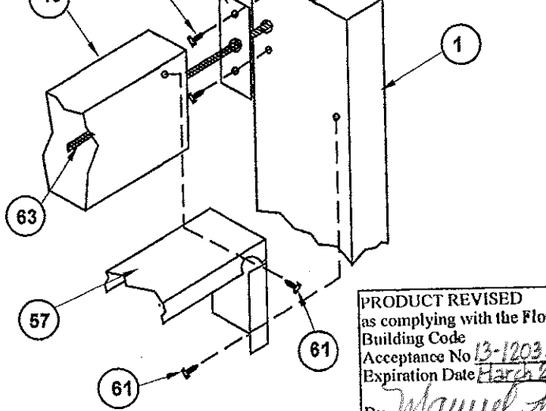
3 INTERIOR VIEW
N.T.S.

WINDOW TYPE 3 (XO)
SC-3030-IP

2 VERTICAL SECTION VIEW N.T.S.



DETAIL A (CORNER SILL)
N.T.S.



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

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Acceptance No 13-1203.09
Expiration Date March 25, 2019
By Manuel Cruz
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
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8355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1830 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

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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1	OLD 11-120	11/15/13	3		
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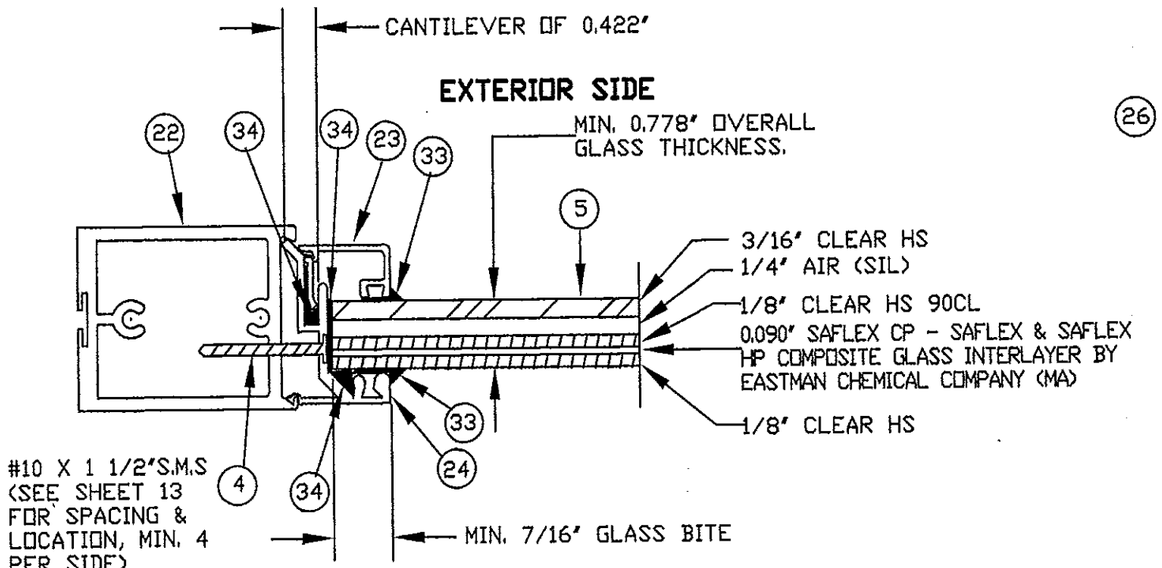
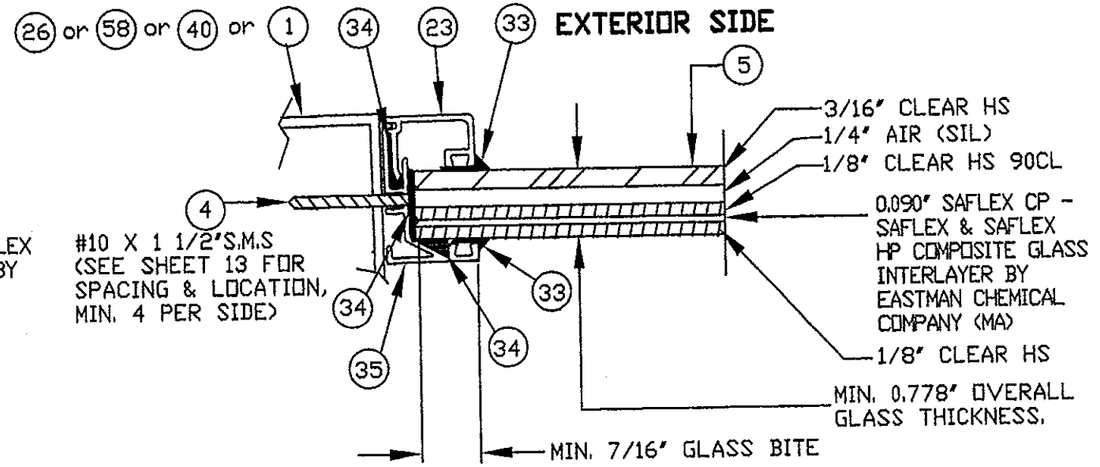
11/15/13 DATE
13-085 DRAWING No
SHEET 5 OF 14



DOOR DETAIL (x)



SIDELITE DETAIL (o)

5 — INSULATED GLAZING DETAILS

PRODUCT REVISED
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Acceptance No 13-1203.09
Expiration Date March 25, 2019
By Manuel Perez
Miami Dade Product Control
MIAMI DADE COUNTY

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11441 BRITTMORE PARK DRIVE,
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1	OLD 11-120	11/15/13	3		
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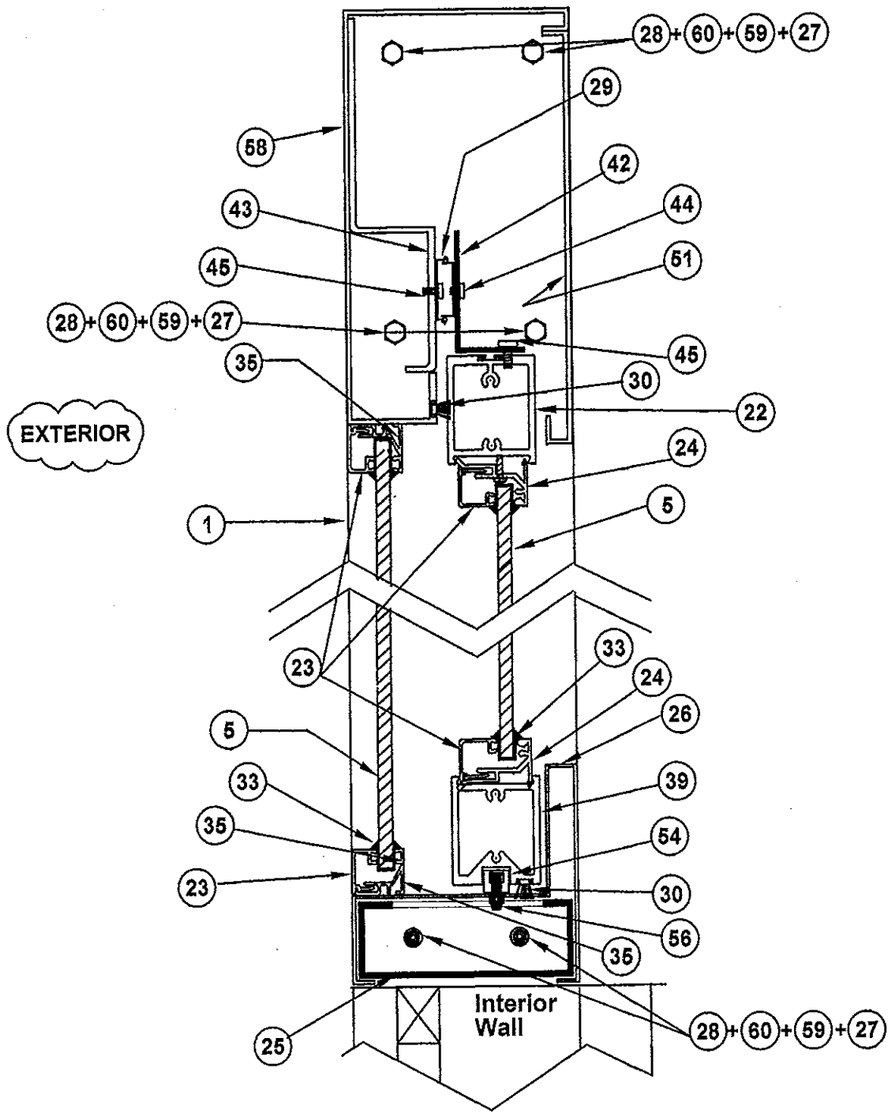
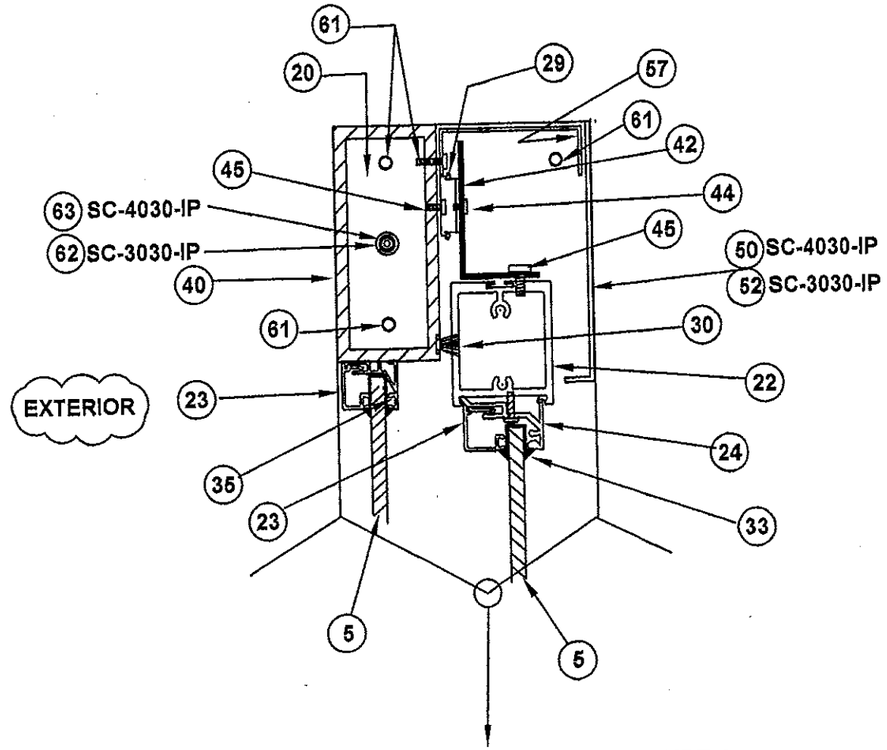
11/15/13 DATE
13-085 DRAWING No

DOOR - HEADER CONNECTIONS

MODEL SS-4035E-IP TYPE 1 WINDOW, HEADER



MODEL SC-4030-IP TYPE 2 WINDOW, HEADER
MODEL SC-3030-IP TYPE 3 WINDOW, HEADER



CONTINUED EQUAL TO WINDOW TYPE 1

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Miami-Dade Product Control
MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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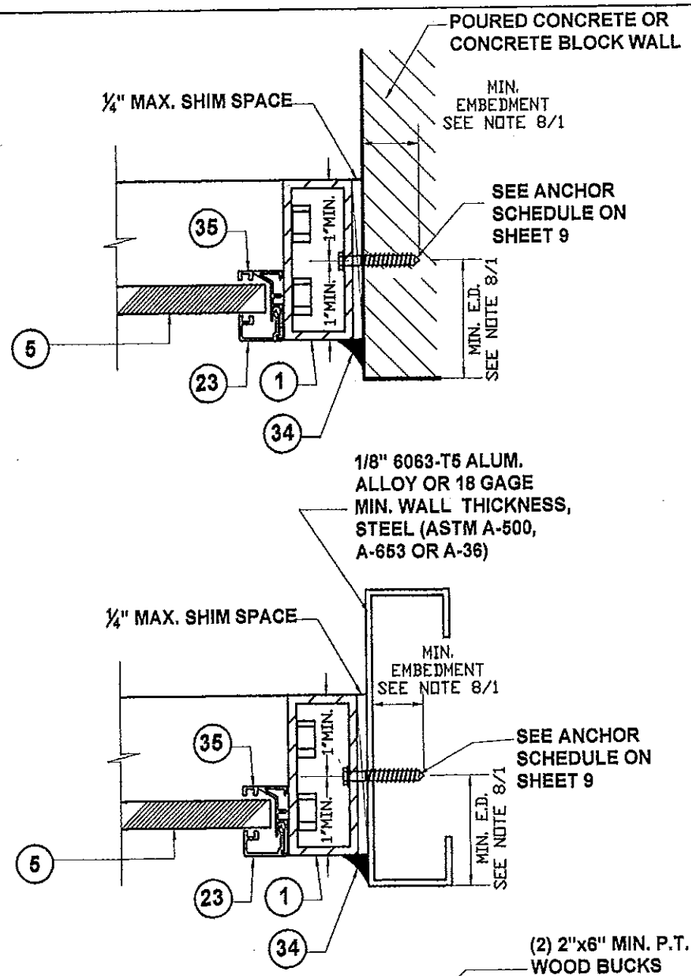
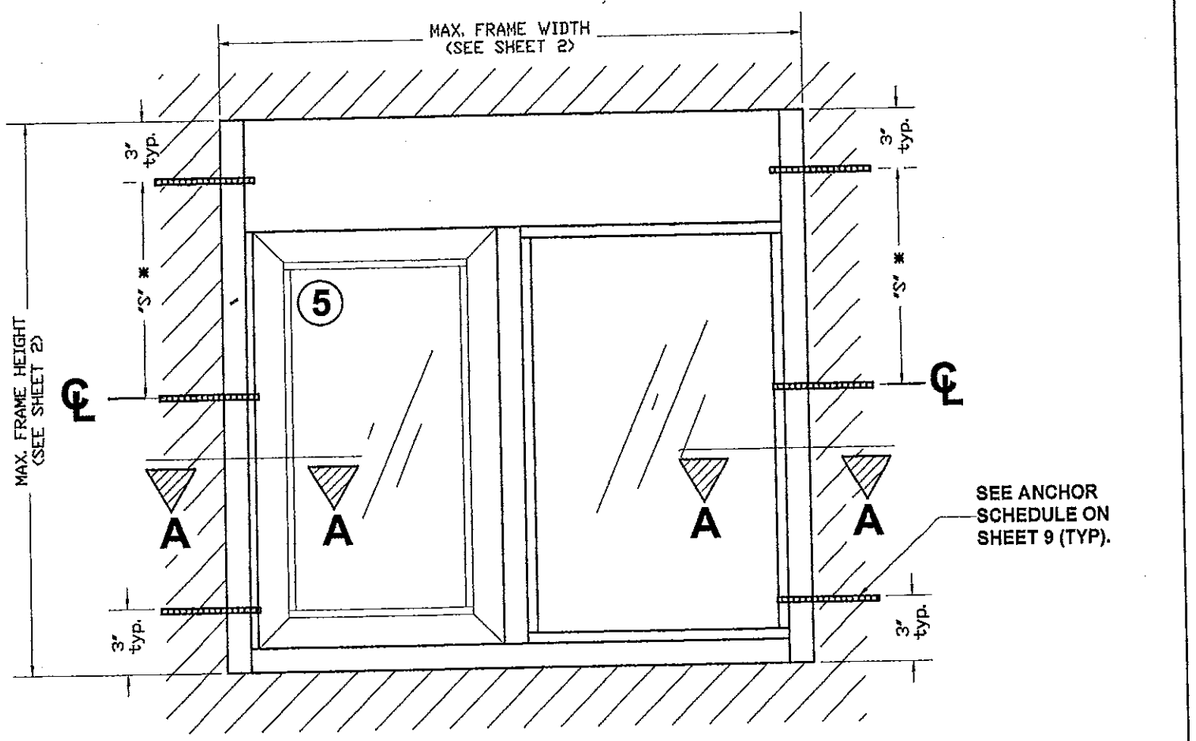
13-085 DRAWING No
SHEET 7 OF 14



SECTION A-A
NTS

ANCHOR INSTALLATION AND LAYOUT



TYPICAL FRAME ELEVATION
NTS

* "S" = MAXIMUM SPACING
SEE SHEET 9.

PRODUCT REVISED
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11/15/13
DATE

13-085
DRAWING No

ANCHOR SCHEDULE

MAXIMUM ANCHOR SPACING "S" SCHEDULE AT JAMB

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	16 1/2"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"ø ITW BUILDEX TAPCON ANCHORS	16 1/2"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"ø ITW BUILDEX TEK SCREWS	17 1/2"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"ø ITW BUILDEX TEK SCREWS	17 1/2"
	WOOD (SEE NOTE 8C/1)	1/4"ø WOOD SCREWS (NDS)	17 1/2"
> 50 TO 70	POURED CONCRETE (SEE NOTE 8A/1	1/4"ø ITW BUILDEX TAPCON ANCHORS	11 1/2"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"ø ITW BUILDEX TAPCON ANCHORS	11 1/2"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"ø ITW BUILDEX TEK SCREWS	16"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"ø ITW BUILDEX TEK SCREWS	16"
	WOOD (SEE NOTE 8C/1)	1/4"ø WOOD SCREWS (NDS)	13 1/2"
> 70 TO 80	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	14"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"ø ITW BUILDEX TEK SCREWS	14"
	WOOD (SEE NOTE 8C/1)	1/4"ø WOOD SCREWS (NDS)	11 1/2"

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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
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2			4		

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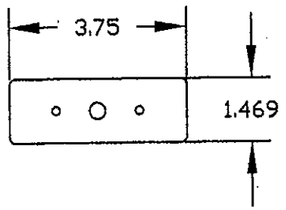
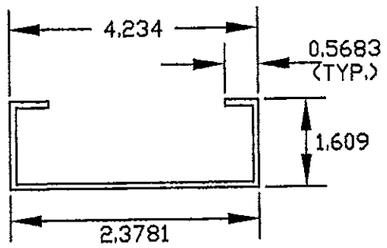
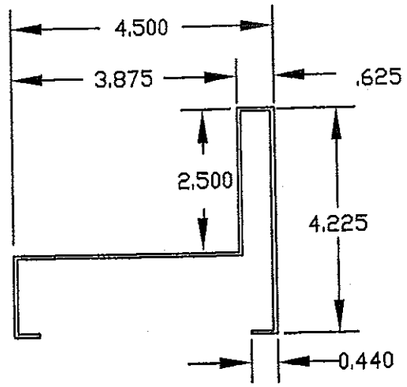
11/15/13 DATE
13-085 DRAWING No
SHEET 9 OF 14



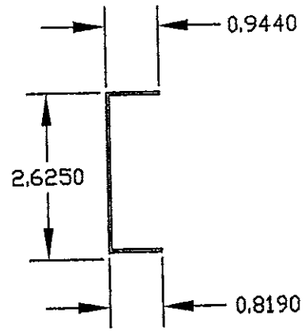
(20) FRAMING PLATE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
QUIKSERV RM# 3757



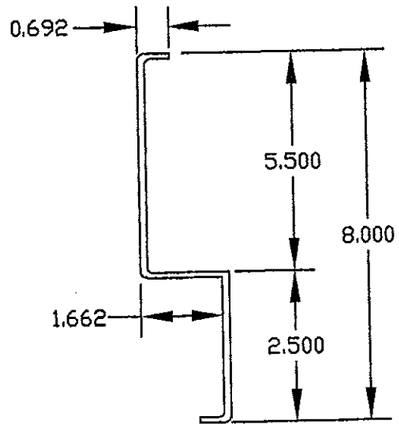
(25) BASE BRACE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL
QUIKSERV RM# 3767



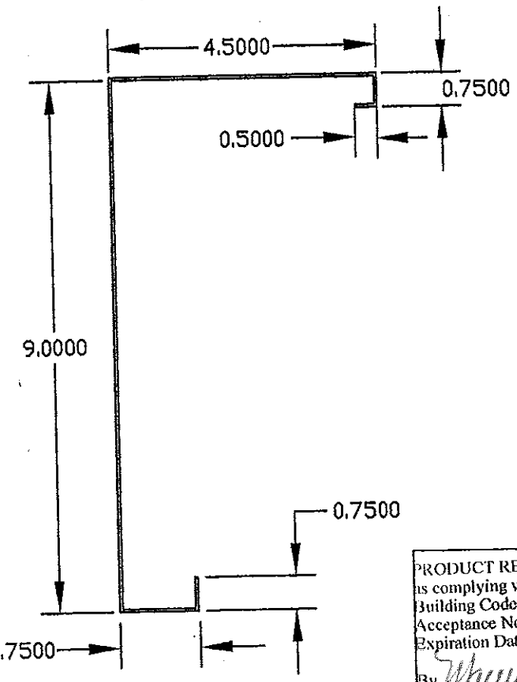
(26) BASE
20 ga. 304 Stainless Steel
QUIKSERV RM# 3768



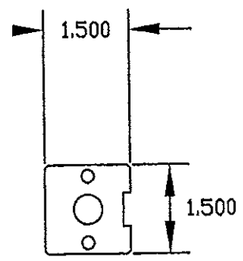
(57) ACCESS COVER BRACKET
18 ga. ASTM A-653, CQ-GRADE 40
G-90 GALVANIZED STEEL



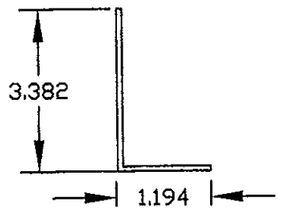
(43) HEADER BRACE
14 ga. ASTM A-653, CQ-GRADE 40
G-90 Galvanized Steel



(58) EXTERIOR HEADER COVER
18 ga. 304 Stainless Steel



(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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-1203.09
Expiration Date March 5 2014
By
Miami Dade Product Control

MIAMI DADE COUNTY

STEEL ASSEMBLY COMPONENTS

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
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LARGE MISSILE IMPACT RESISTANT

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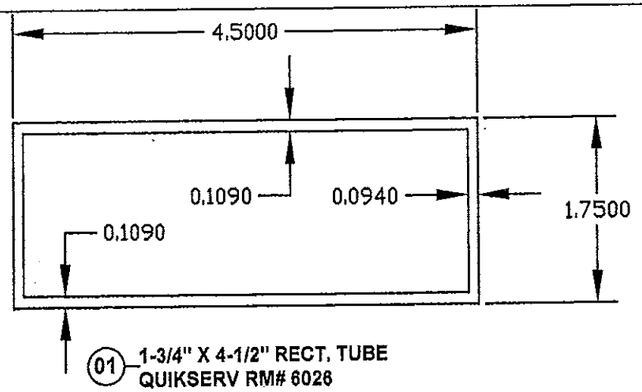
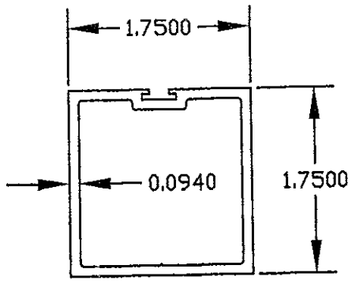
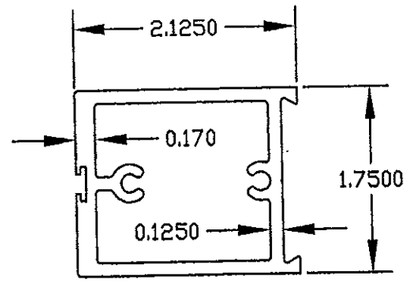
SHEET 10 OF 14



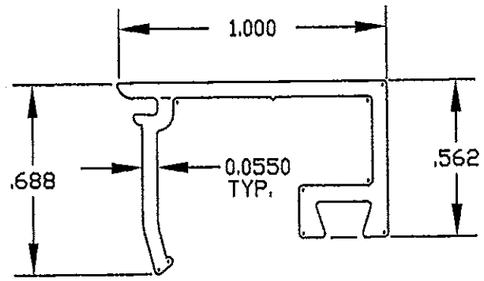
01 1-3/4" X 4-1/2" RECT. TUBE
QUIKSERV RM# 6026



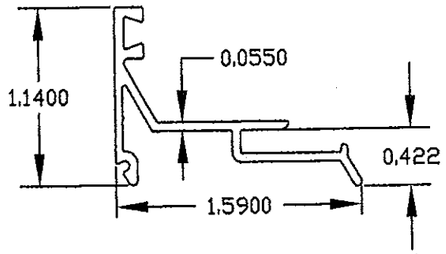
21 1-3/4" SQ. TUBE
QUIKSERV RM# 6049



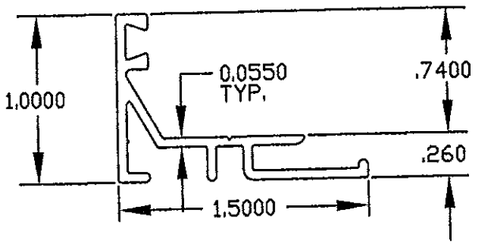
22 WIDE DOOR EXTRUSION
QUIKSERV RM# 6078



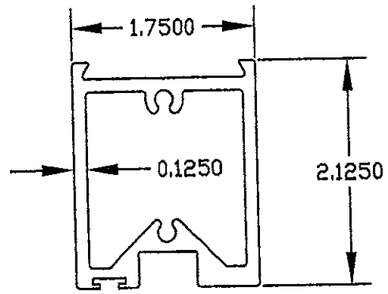
23 SASH FACE
QUIKSERV RM# 6061



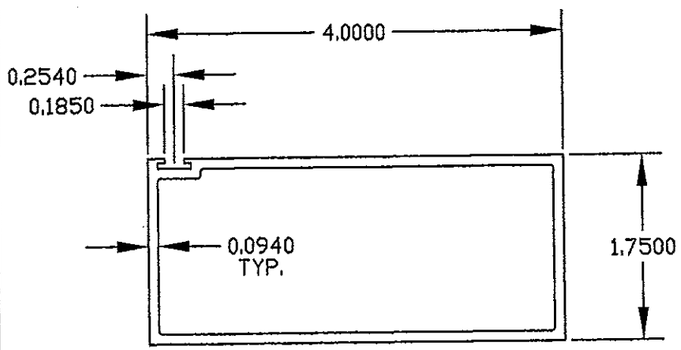
24 SNAP-ON SASH
QUIKSERV RM# 6065



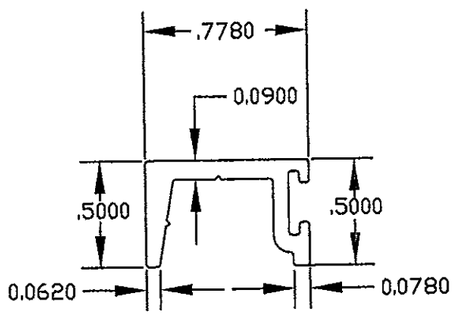
35 SCREW APPLIED SASH
QUIKSERV RM# 6082



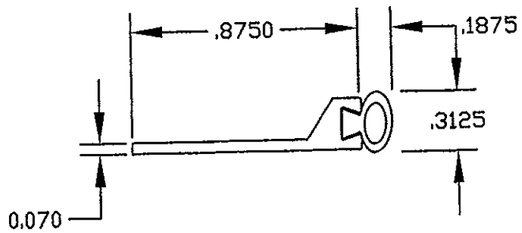
39 WIDE DOOR EXTRUSION W/ SLOT
QUIKSERV RM# 6080



40 1-3/4" X 4" RECT. TUBE
QUIKSERV RM# 6047



41 SCREW APPLIED STOP
QUIKSERV RM# 6084



53 161 NA PERIMETER SEAL
.07 ALUMINUM WITH NEOPRENE

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No 13-1203.09
Expiration Date March 26, 2019
By Manuel Faro
Miami Dade Product Control
MIAMI DADE COUNTY

ALUMINUM EXTRUSIONS COMPONENTS

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
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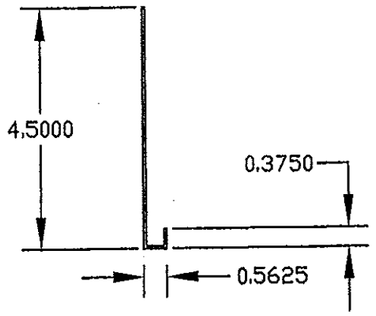
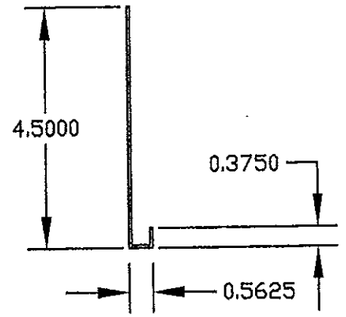
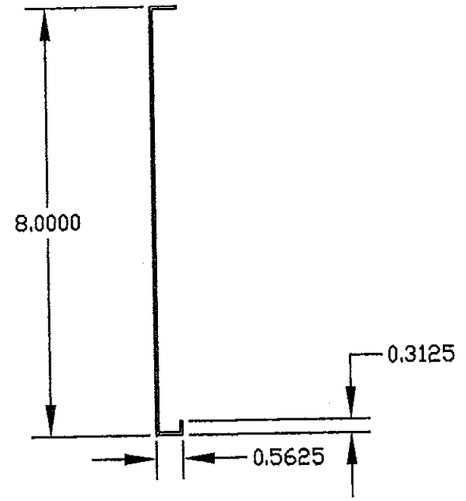


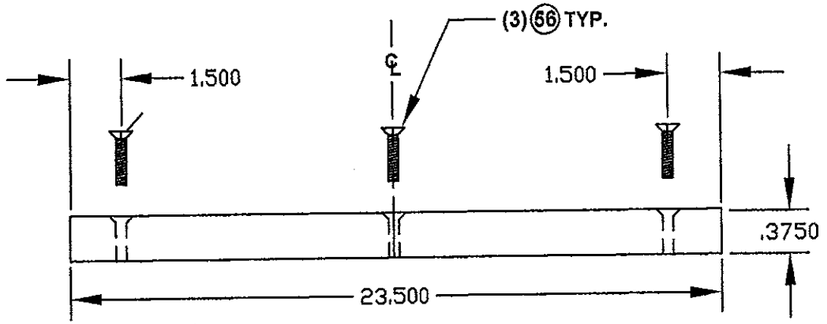
(50) ACCESS COVER
18 ga. 304 Stainless Steel
SC-4030-IP
QUIKSERV RM# 3606



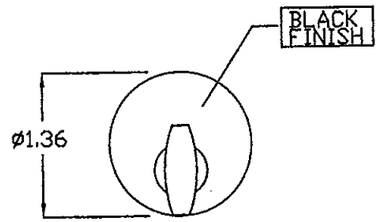
(52) ACCESS COVER
18 ga. 304 Stainless Steel
SC-3030-IP
QUIKSERV RM# 3566



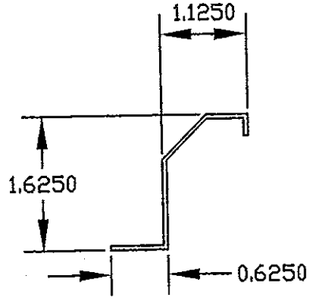
(51) ACCESS COVER
18 ga. 304 Stainless Steel
SS-4035-E-IP
QUIKSERV RM# 3514



(54) DOOR GUIDE BLOCK
HIGH DENSITY POLYETHYLENE
23-1/2" (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



(48) THUMB TURN HOOKLOCK
QUIKSERV PART # 2022



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

PRODUCT REVISED
is complying with the Florida Building Code
Acceptance No 13-1203.09
Expiration Date March 25, 2019
By Manuel Perez
Miami Dade Product Control

MIAMI DADE COUNTY

ASSEMBLY COMPONENTS

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

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Sta. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1630 . Fax : (305)871-1631
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

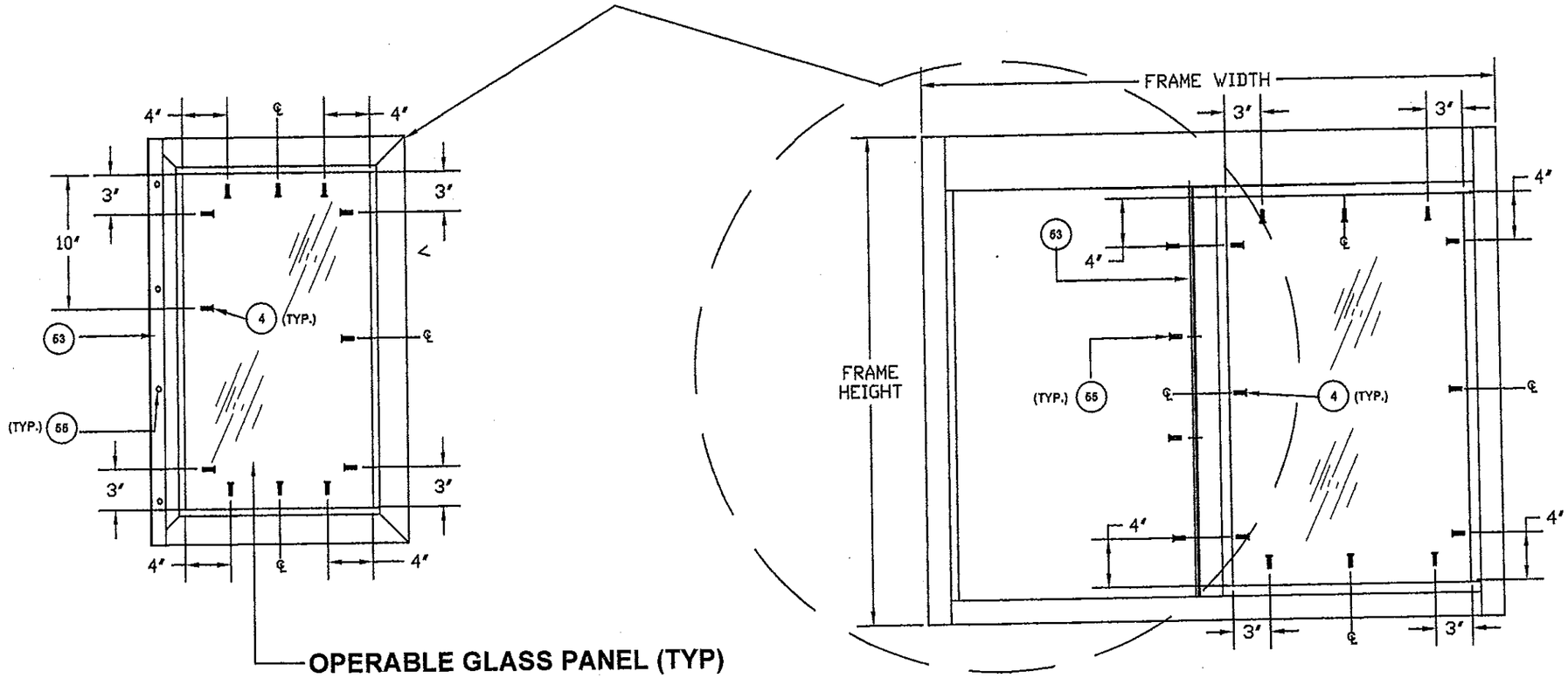
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 11-120	11/15/13	3		
2			4		

DRAWN BY A.G.
11/15/13 DATE
13-085 DRAWING No
SHEET 12 OF 14



SASH INSTALLATION DETAILS

APPLICABLE TO THE FOLLOWING WINDOWS:

SS-4035E-IP (TYPE 1 WINDOW)
SC-4030-IP (TYPE 2 WINDOW)
SC-3030-IP (TYPE 3 WINDOW)

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No 13-1203.09
Expiration Date ~~Dec 22, 2014~~
By Manuel Perez
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
P.E. SEAL/SIGNATURE/DATE

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e-mail: tilteco@aol.com
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LARGE MISSILE IMPACT RESISTANT

QUIKSERV CORP.
11441 BRITTMORE PARK DRIVE,
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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 11-120	11/18/13	3		
2			4		

DRAWN BY A.O.
11/15/13 DATE
13-085 DRAWING No
SHEET 13 OF 14

BILL OF MATERIALS

Ref #	Description	Quikserv #	Material	Specs
1	1 3/4" x 4 1/2" Rect. Tube	6026	6063-T6 Aluminum	See drawing pg. 11 - length varies
4	Sheet Metal Screw	5055	304 Series Stainless Steel	See drawing pg. 13 -#10-32 x 1 1/2"
5	Insulated Laminated Glass	n/a	0.090" Interlayer by Eastman Chemical Company	See drawing pg. 6
7	All Thread Rod	n/a	Grade 2 Carbon Steel, Zinc Plated	size varies
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. 10
21	1 3/4" Sq. Tube	6049	6063-T6 Aluminum	See drawing pg. 11 - length varies
22	Wide Door Extrusion	6078	6063-T6 Aluminum	See drawing pg. 11 - length varies
23	Sash Face	6061	6063-T6 Aluminum	See drawing pg. 11 - length varies
24	Snap-on Sash	6065	6063-T6 Aluminum	See drawing pg. 11 - length varies
25	Base Brace	3767	14 ga.ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
26	Base	3768	20 ga. 304 Series Stainless Steel	See drawing pg. 10
27	Nutzert	5318	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 1"
28	Hex Bolt	5205	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 1"
29	Slide Rail	1917	Cold Rolled Steel	n/a
30	Weatherstripping	6034	n/a	n/a
33	Glazing Vinyl	6032	n/a	n/a
34	Silicone	2100	n/a	Mfg. by Novaguard
35	Screw Applied Sash	6082	6063-T6 Aluminum	See drawing pg. 11 - length varies
36	Framing Plate	3668	14 ga.ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
39	Wide Door Extrusion w/ Slot	6080	6063-T6 Aluminum	See drawing pg. 11 - length varies
40	1 3/4" x 4" Rect. Tube	6047	6063-T6 Aluminum	See drawing pg. 11 - length varies
41	Screw Applied Stop	6084	6063-T6 Aluminum	See drawing pg. 11 - length varies
42	Door Bracket	n/a	12 ga.ASTM A-653, CQ Grade 40 G-90 Galvanized Steel	See drawing pg. 10 - size varies
43	Header Brace	n/a	14 ga.ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
44	Trim Head Hex Machine Screw	5008	Grade 2 Carbon Steel, Zinc Plated	#10-32 x 3/8"
45	Trim Head Hex Machine Screw	5005	Grade 2 Carbon Steel, Zinc Plated	#10-32 x 3/4"
48	Thumb Turn Lock	2022	Grade 2 Carbon Steel, Zinc Plated	See drawing pg. 12
49	Door Handle	3588	16 ga. 304 Series Stainless Steel	See drawing pg. 12
50	Access Cover for SC-4030-IP	3606	18 ga. 304 Series Stainless Steel	See drawing pg. 12
51	Access Cover for SS-4035E-IP	3514	18 ga. 304 Series Stainless Steel	See drawing pg. 12
52	Access Cover for SC-3030-IP	3566	18 ga. 304 Series Stainless Steel	See drawing pg. 12
53	161 NA Perimeter Seal	n/a	0.07 Aluminum with Neoprene	See drawing pg. 11 - length varies
54	Door guide Block	n/a	High Density Polyethylene 23 1/2" (L)x3/8" (H)x1/2" (W)	See drawing pg. 12
55	Phil Pan Tek Screw	n/a	410 Series Stainless Steel	#8 x 1 1/2"
56	Phil Flat Undercut Screw	5052	304 Series Stainless Steel	(3) #10-32 x1" @ (54)
57	Access Cover Bracket	n/a	18 ga. ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
58	Exterior Header Cover	n/a	18 ga. 304 Series Stainless Steel	See drawing pg. 10
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	5017	Grade 2 Carbon Steel, Zinc Plated	#8 x 1/2"
62	All Thread Rod	2130	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 34 1/2"
63	All Thread Rod	2105	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 46 1/2"

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Acceptance No 13-1203.09
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Miami-Dade Product Control

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WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
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