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

MIAMI-DADE COUNTY, FLORIDA
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)

CGI Windows and Doors, Inc.
10100 NW 25 Street
Miami, FL 33172

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 "Sentinel 150" Aluminum Sliding Glass Door w/ wo Reinforcements – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W10-31**, titled "Series 150 Sentinel Alum. Sliding Glass Door (L.M.I./ S.M.I.)", sheets 1 through 16 of 16 including 9A and 11A, dated 05/20/10 with revision "**F**" dated 12/04/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section 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. Confidential

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 No. 12-0119.04** 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 **Jaime D. Gascon, P. E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon
12/11/12

NOA No. 12-0821.16
Expiration Date: September 22, 2015
Approval Date: December 20, 2012

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W10–31**, titled "Series 150 Sentinel Alum. Sliding Glass Door (L.M.I./ S.M.I.)", sheets 1 through 16 of 16 including 9A and 11A, dated 05/20/10 with revision "**F**" dated 12/04/12, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, 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, Type "C" sliding door, Grade 10, per ASTM F 842–04 and per FBC 2411 3.2.1, TAS 202–94

   along with marked–up drawings and installation diagram of Alum. SGD prepared by Architectural Testing, Inc., Test Report No. **ATI–C0733.03–450–18**, dated 08/09/12, signed and sealed by Vinu J. Abraham, P. E.
2. 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, and TAS 202–94

   along with marked-up drawings and installation diagram of Alum. SGD prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL–0080–1208–090**, dated 07/30/10, signed and sealed by Vinu J. Abraham, P. E.
   (Submitted under previous NOA No. 10–0510.15)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC–2010**, dated 08/20/12, prepared by Al–Farooq Corporation, signed, sealed and dated 12/05/12 by Javad Ahmad, P. E.
2. **Glazing complies with ASTM E1300–04**

D. QUALITY ASSURANCE

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

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0821.16
Expiration Date: September 22, 2015
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E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co.**, Inc. for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11–1102.11** issued to **Solutia, Inc.** for their "**Saflex Clear and Color Glass Interlayers**" dated 06/14/12, expiring on 05/21/16
3. Notice of Acceptance No. **11–1102.09** issued to **Solutia, Inc.** for their "**Saflex CP – Saflex and Saflex HP Composites Glass Interlayers with PET Core**" dated 06/14/12, expiring on 12/11/13.

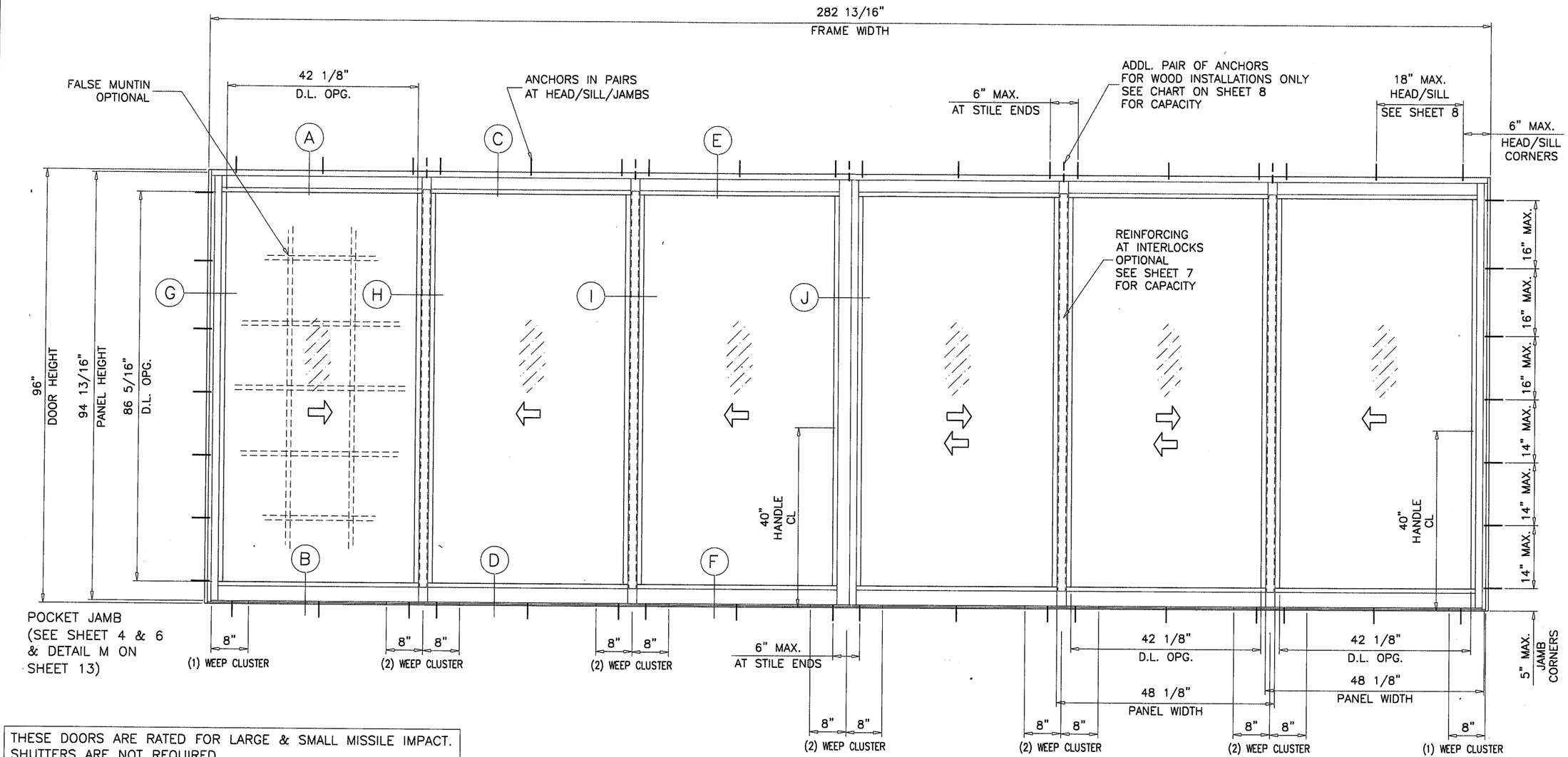
F. STATEMENTS

1. Statement letter of no financial interest, conformance and complying with **FBC–2010**, issued by Al–Farooq Corporation, dated 08/20/12, signed and sealed by Javad Ahmad, P. E.
2. Proposal No. **11–1225** issued by Product Control, dated 11/2/11, signed by Ishaq Chanda, P. E.
3. Laboratory compliance letter for Test Report No. **ATI–C0733.03–450–18**, issued by Architectural Testing, Inc., dated 08/09/12, signed and sealed by Vinu J. Abraham, P. E.
4. Proposal No. **09–1073** issued by Product Control, dated 07/19/10, signed by Ishaq Chanda, P. E.
   (Submitted under previous NOA No. 10–0510.15)
5. Laboratory compliance letter for Test Report No. **HTL–0080–1208–090**, issued by Hurricane Test Laboratory, LLC, dated 07/30/10, signed and sealed by Vinu J. Abraham, P. E.
   (Submitted under previous NOA No. 10–0510.15)

G. OTHERS

1. Notice of Acceptance No. **12–0119.04**, issued to CGI Windows and Doors, Inc. for their Series "**Sentinel 150 Aluminum Sliding Glass Door w/ wo Reinforcements – L.M.I.**", approved on 03/22/12 and expiring on 09/22/15.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12–0821.16
Expiration Date: September 22, 2015
Approval Date: December 20, 2012



THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

TYPICAL ELEVATION

SERIES 150 SENTINEL ALUMINUM SLIDING GLASS DOOR

APPLICABLE EGRESS REQUIREMENTS PER FBC TO BE REVIEWED BY BUILDING OFFICIAL.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

REFER TO PAGES 9, 9A, 11 & 11A FOR WEEP SIZE.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2 DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 7 FOR THE GLASS TYPE AND REINFORCING TO USE.

STEP 3 USING CHARTS ON SHEET 8 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

STEP 4 THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0821.16
Expiration Date 07/22/2015
By
Miami Dade Product Control

D.L. OPENING
D.L.O HEIGHT = DOOR HEIGHT – 9 11/16"
D.L.O. WIDTH = PANEL WIDTH – 6"

LAMINATED GLASS AND
LAMINATED INSULATING GLASS
LARGE/SMALL MISSILE IMPACT

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

DEC 05 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W10-31CGI

SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (L.M.I./S.M.I.)

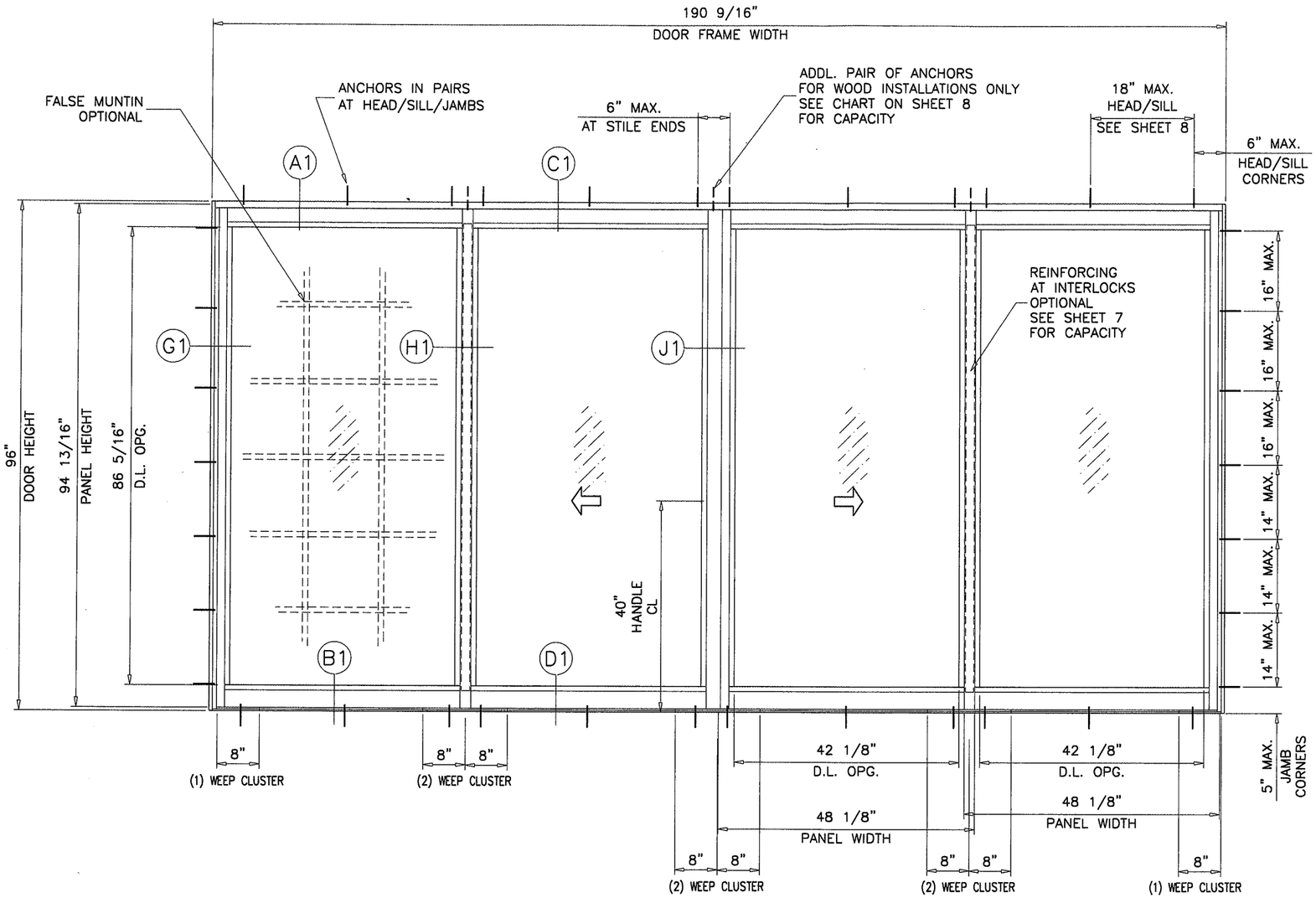
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

revisions:

no	date	by	description
C	04.29.11		REV. PER BNC COMMENTS
D	10.10.11		UPDATED TO 2010 FBC
E	08.29.12		HEAD & SILL REVISED
F	12.04.12		REV. PER RER COMMENTS

date: 05-20-10
scale: 1/2"=1'-0"
dr. by:
chk. by:

drawing no.
W10-31



TYPICAL ELEVATION
(TESTED UNIT)

REFER TO PAGES 9, 9A, 11 & 11A FOR WEEP SIZE.

D.L. OPENING
D.L.O HEIGHT = DOOR HEIGHT – 9 11/16"
D.L.O. WIDTH = PANEL WIDTH – 6"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0821.16
Expiration Date 09/22/2015
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
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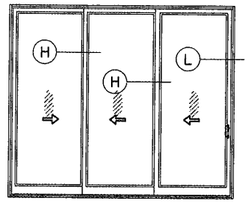

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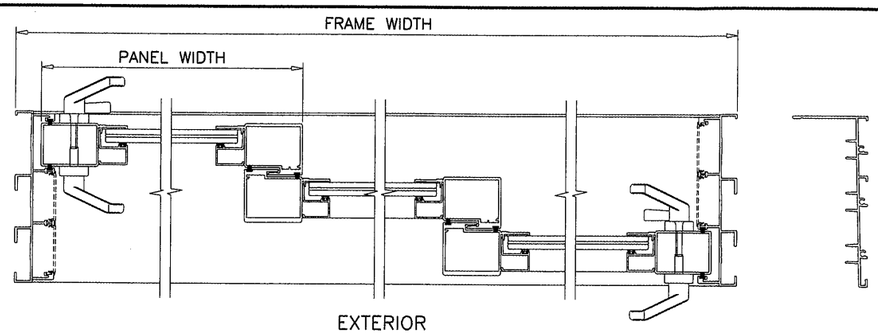

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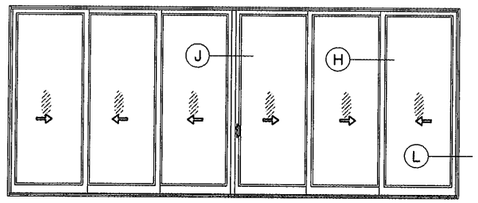

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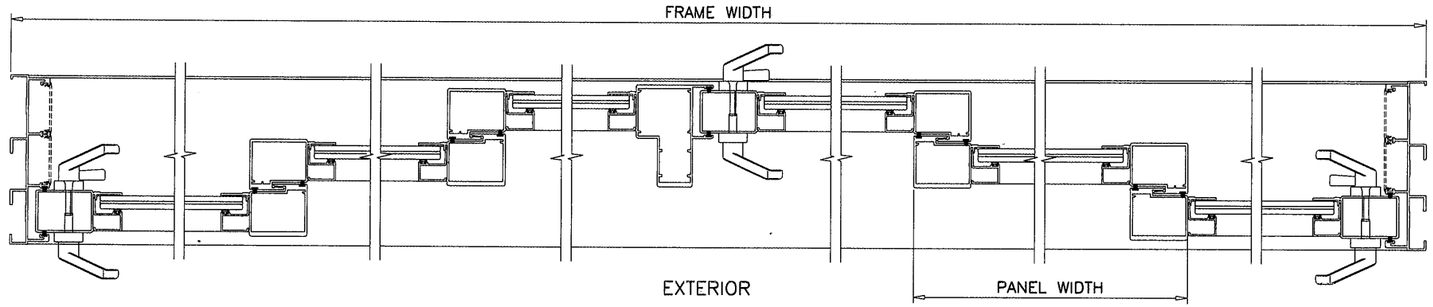

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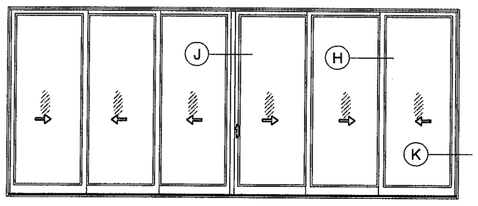

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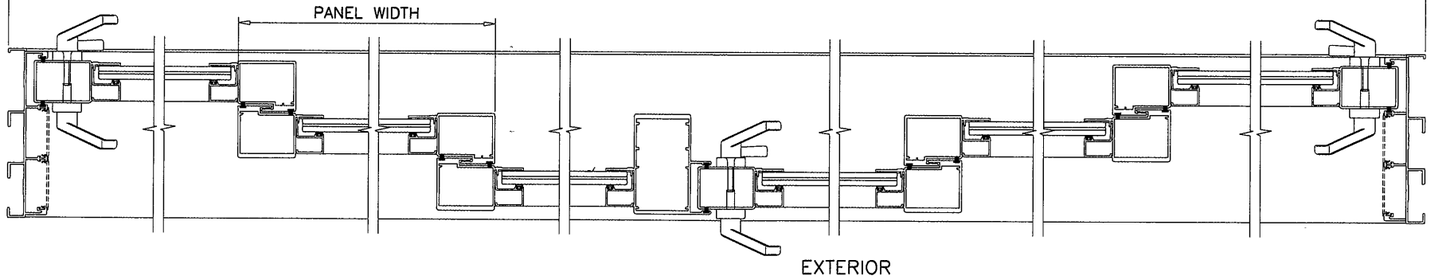

EXTERIOR

APPROVED CONFIGURATIONS

NON-POCKETED DOORS (NON-REINFORCED SHOWN)

THREE (3) TRACKS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0821.16
Expiration Date 07/22/2015
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

DEC 05 2012

afc

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COMP-ANL\W10-31CGI

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CGI WINDOWS & DOORS
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date: 05-20-10
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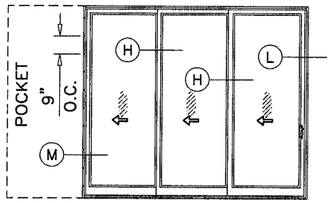
dr. by:
chk. by:

drawing no.
W10-31



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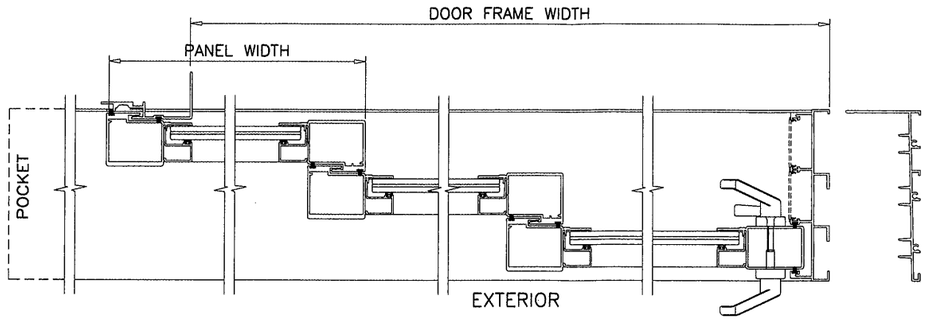

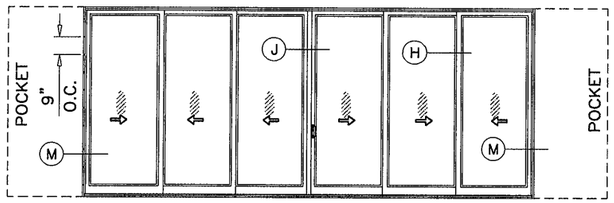

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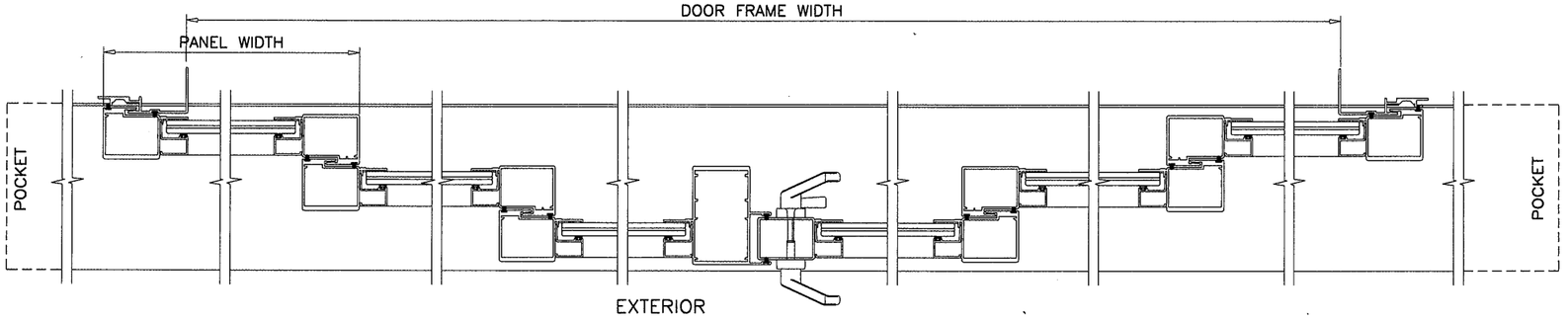

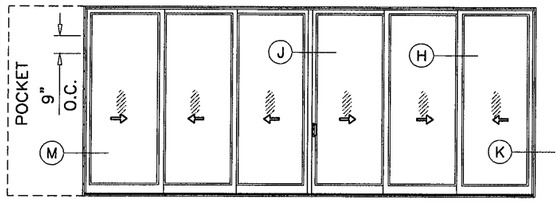

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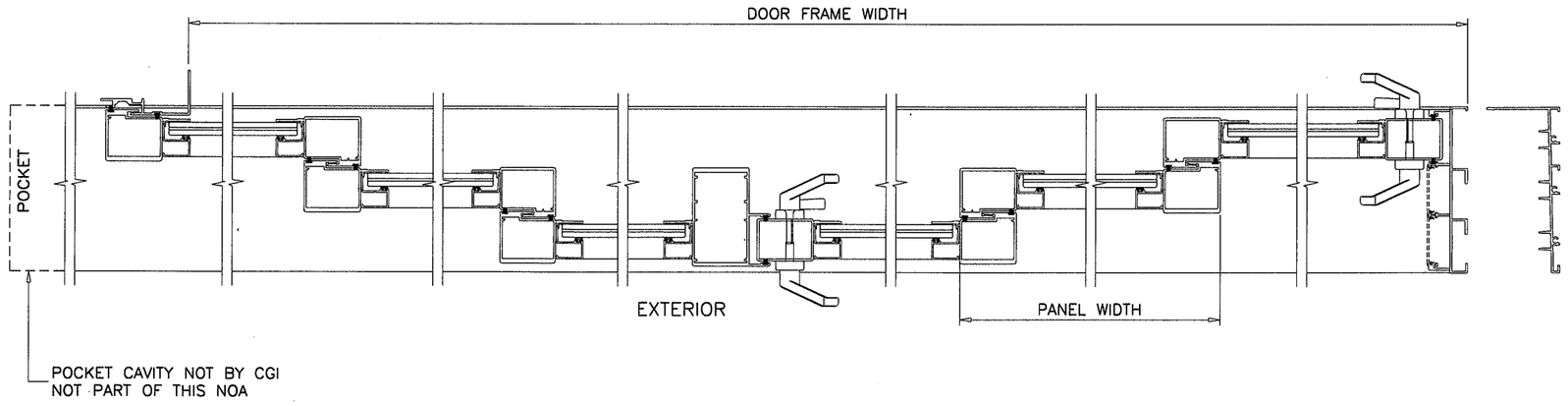

APPROVED CONFIGURATIONS

POCKETED DOORS (NON-REINFORCED SHOWN)

THREE (3) TRACKS

POCKETS ARE NOT PART OF THIS APPROVAL
AND TO BE REVIEWED BY AHJ.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0821.16
Expiration Date 09/22/2015
By
Miami Dade

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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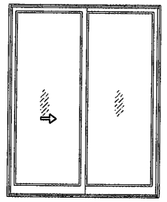
scale: -
dr. by: HAMID
chk. by:

drawing no.
W10-31



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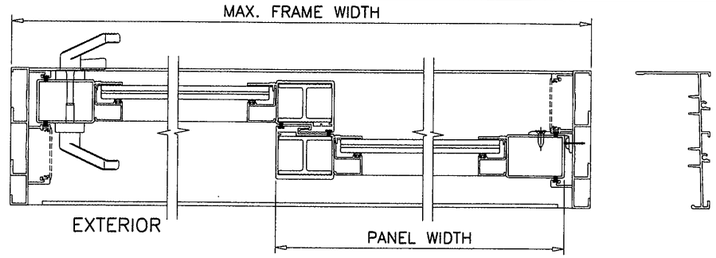

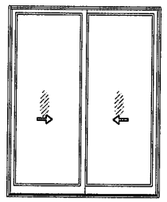

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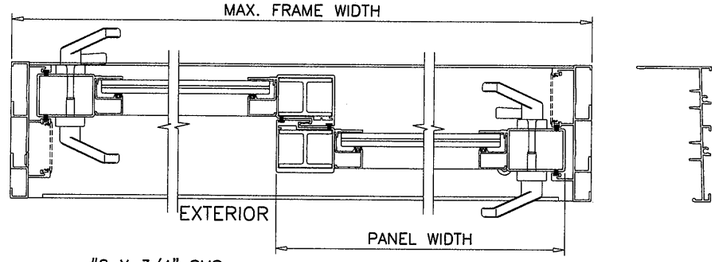

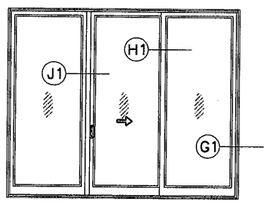

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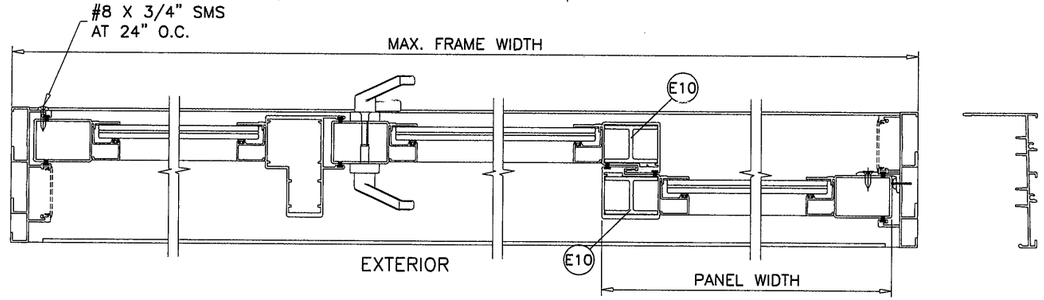

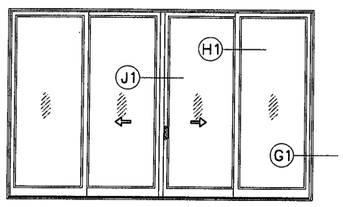

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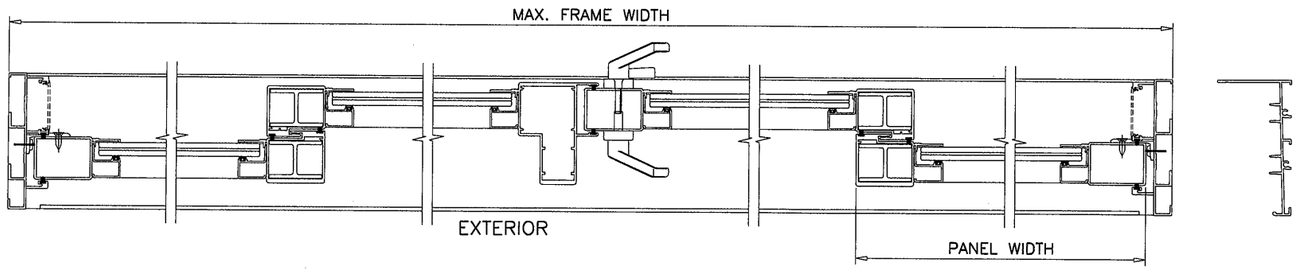

APPROVED CONFIGURATIONS
NON-POCKETED DOORS (REINFORCED SHOWN)
TWO (2) TRACKS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0821.16
Expiration Date 09/22/2015
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

DEC 05 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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TEL. (305) 264-8100 FAX. (305) 262-6978

afc

COMP-ANL\W10-31CGI

SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (L.M.I./S.M.I.)

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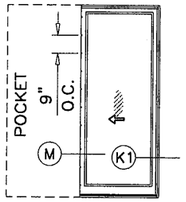
dr. by:
chk. by:

drawing no.
W10-31



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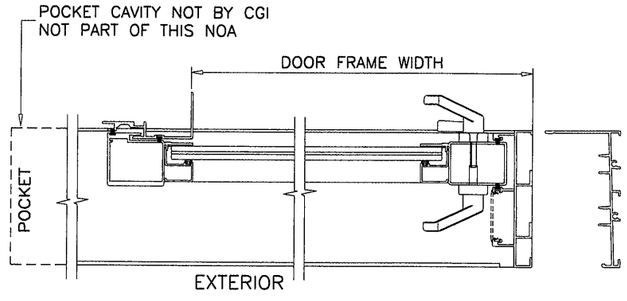
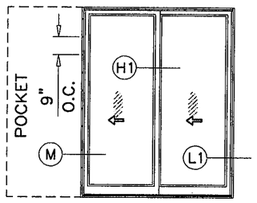
XP





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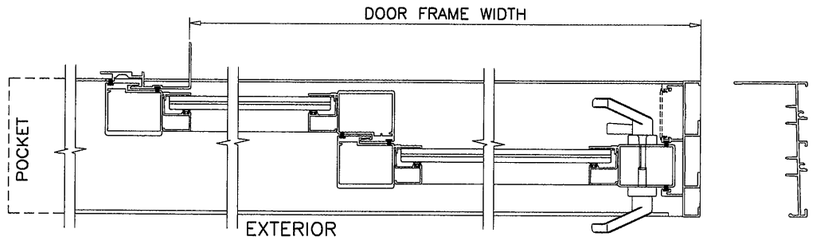

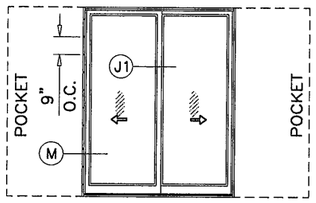

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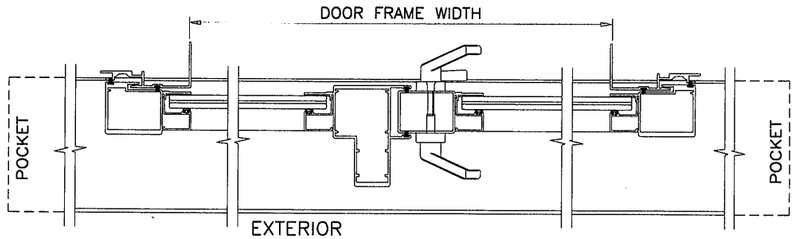

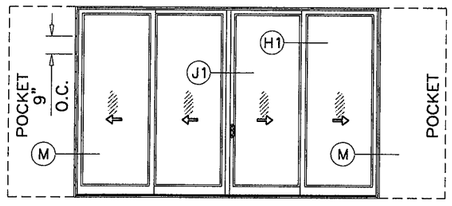

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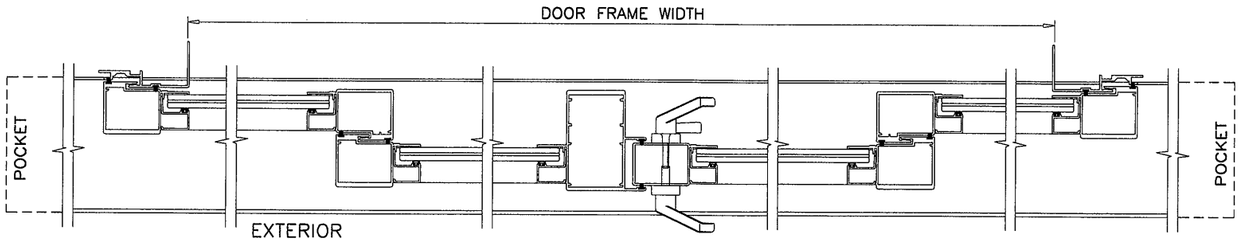

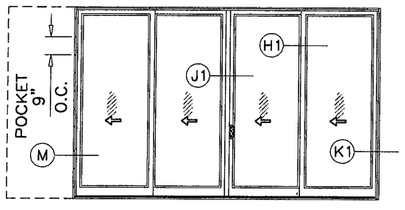

PXXXX (SHOWN)
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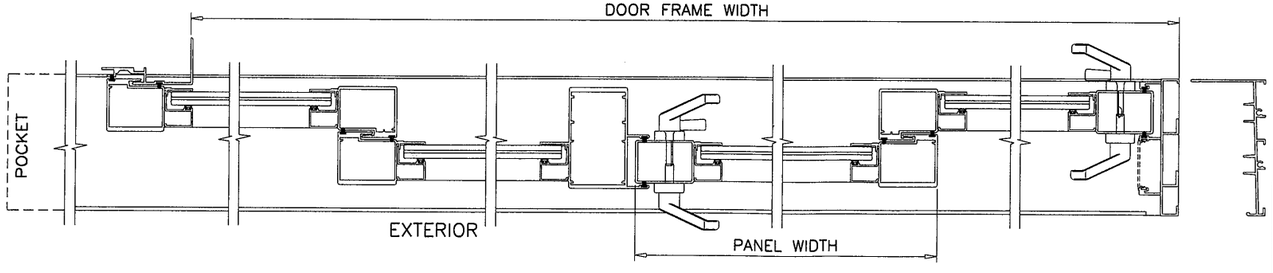

APPROVED CONFIGURATIONS
POCKETED DOORS (NON-REINFORCED SHOWN)
TWO (2) TRACKS

POCKETS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY AHJ.

PRODUCT REVISED
as complying with the Florida Building Code
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Expiration Date 07/22/2015
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

DEC 05 2012

AL-FAROOQ CORPORATION
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COMP-ANL\W10-31CGI

SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (L.M.I./S.M.I.)

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chk. by:

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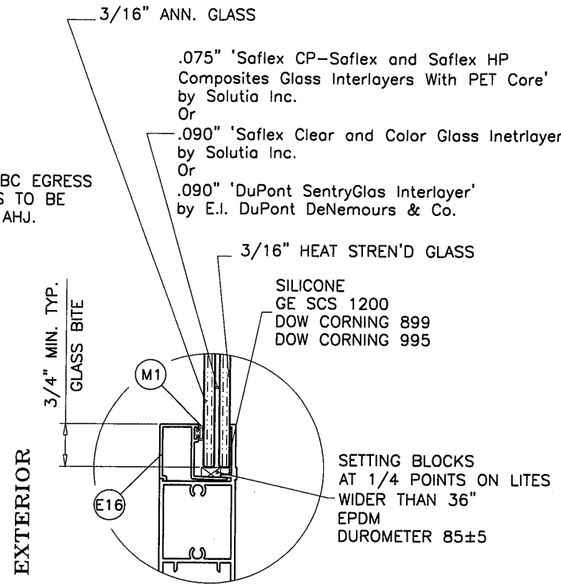
sheet 6 of 16

GLASS CAPACITY CHARTS

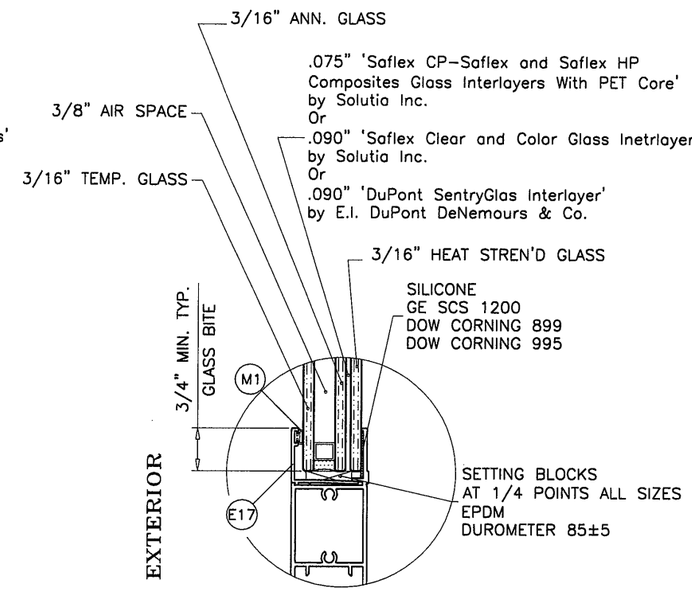
DESIGN LOAD CAPACITY – PSF (GLASS)					
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	GLASS TYPES 'A' & 'A1' INTERLOCKS W/O REINF. EXT.(+)	GLASS TYPES 'A' & 'A1' INTERLOCKS W/O REINF. INT.(–)	GLASS TYPES 'B' & 'B1' INTERLOCKS WITH REINF. EXT.(+)	GLASS TYPES 'B' & 'B1' INTERLOCKS WITH REINF. INT.(–)
24–1/8	80	60.0	60.0	80.0	80.0
30–1/8		60.0	60.0	80.0	80.0
36–1/8		60.0	60.0	80.0	80.0
42–1/8		60.0	60.0	80.0	80.0
48–1/8		60.0	60.0	80.0	80.0
54–1/8		60.0	60.0	80.0	80.0
24–1/8	84	60.0	60.0	80.0	80.0
30–1/8		60.0	60.0	80.0	80.0
36–1/8		60.0	60.0	80.0	80.0
42–1/8		60.0	60.0	80.0	80.0
48–1/8		60.0	60.0	80.0	80.0
54–1/8		60.0	60.0	80.0	80.0
24–1/8	90	60.0	60.0	80.0	80.0
30–1/8		60.0	60.0	80.0	80.0
36–1/8		60.0	60.0	80.0	80.0
42–1/8		60.0	60.0	80.0	80.0
48–1/8		60.0	60.0	80.0	80.0
24–1/8	96	60.0	60.0	80.0	80.0
30–1/8		60.0	60.0	80.0	80.0
36–1/8		60.0	60.0	80.0	80.0
42–1/8		60.0	60.0	80.0	80.0
48–1/8		60.0	60.0	80.0	80.0

APPLICABLE FBC EGRESS REQUIREMENTS TO BE REVIEWED BY AHJ.



GLASS TYPE 'A'

7/16" OVERALL LAM. GLASS



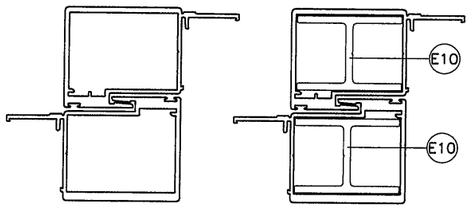
GLASS TYPE 'A1'

1" OVERALL INSUL. LAM. GLASS

AIR SPACE CONSISTING OF:

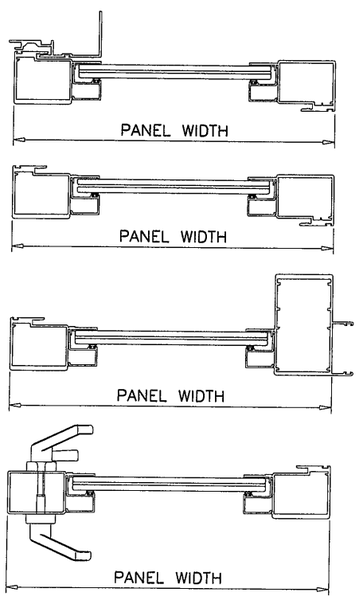
SPACER:

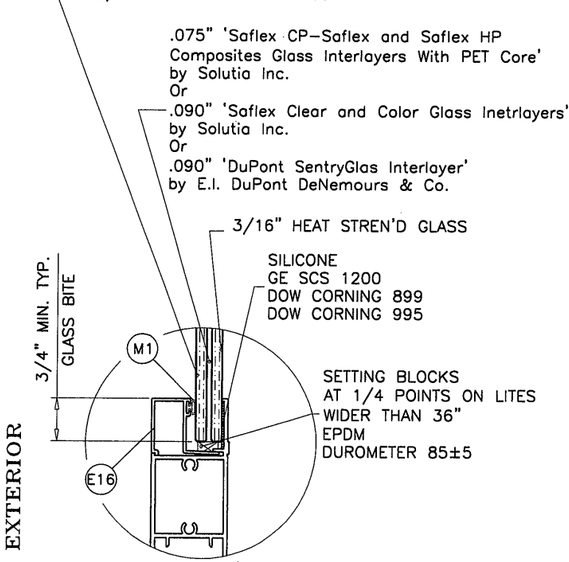
.0045" THK. ST. STEEL SPACER AROUND THE PERIMETER OF THE GLASS.



INTERLOCKS W/O REINF.

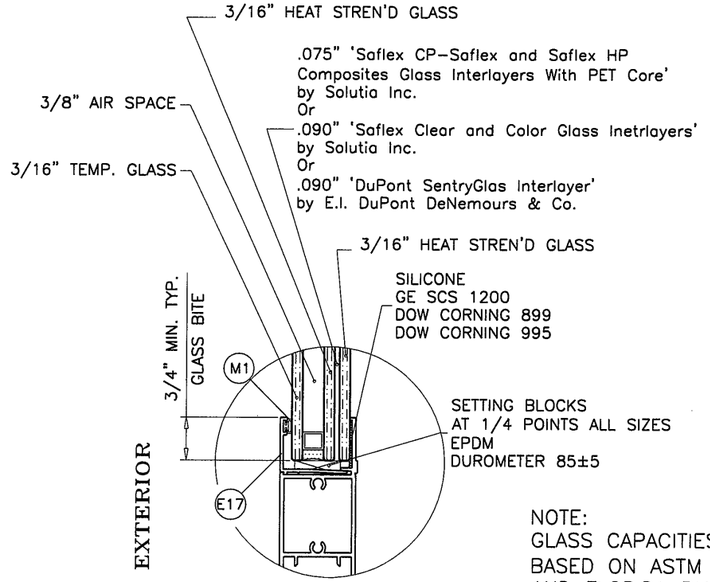
INTERLOCKS WITH REINF.





GLASS TYPE 'B'

7/16" OVERALL LAM. GLASS



GLASS TYPE 'B1'

1" OVERALL INSUL. LAM. GLASS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05–DEC–219

FOR STD. SILL WITHOUT RISER LIMIT EXT. (+) LOADS TO 60.0 PSF
FOR SILL WITH RISER MAX. EXT. (+) LOADS ARE 80 PSF

GLAZING OPTIONS

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Engr: JAVAD AHMAD
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DEC 05 2012

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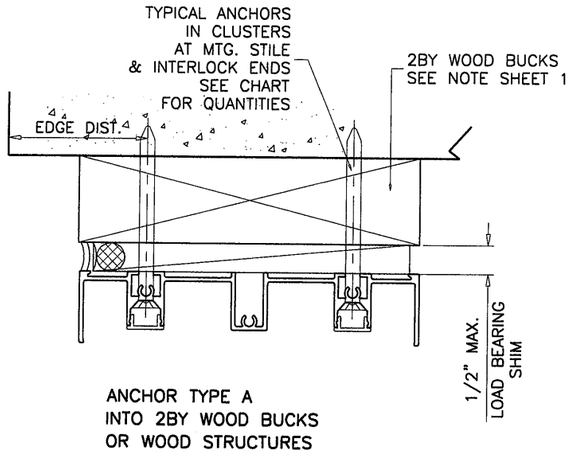
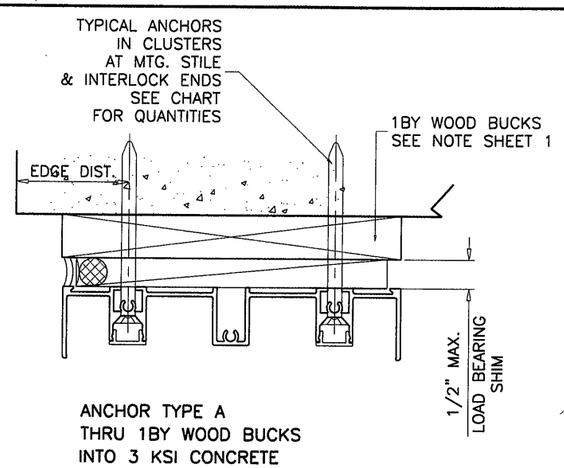
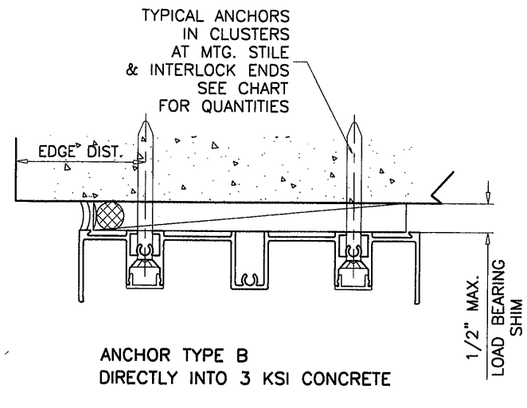


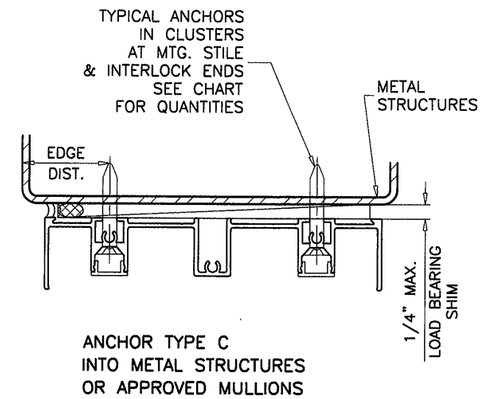
ANCHOR TYPE A
INTO 2BY WOOD BUCKS
OR WOOD STRUCTURES



ANCHOR TYPE A
THRU 1BY WOOD BUCKS
INTO 3 KSI CONCRETE



ANCHOR TYPE B
DIRECTLY INTO 3 KSI CONCRETE



ANCHOR TYPE C
INTO METAL STRUCTURES
OR APPROVED MULLIONS

WOOD BUCKS AND METAL STRUCTURES NOT BY CGI WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

AT HEAD

TYPE 'A'– 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
THRU 1BY BUCKS INTO CONCRETE
1–1/4" MIN. EMBED INTO CONCRETE

THRU 2BY BUCKS INTO CONCRETE
1/2" MIN. EMBED INTO CONCRETE

TYPE 'B'– 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
2" MIN. EMBED

TYPE 'C'– #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI–DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063–T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

AT JAMBS

TYPE 'A'– 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1–3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1–1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B'– 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR MASONRY
1–1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'C'– #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI–DADE COUNTY APPROVED MULLIONS (1/8" THK. MIN.)
INTO METAL STRUCTURES
STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063–T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

AT SILL

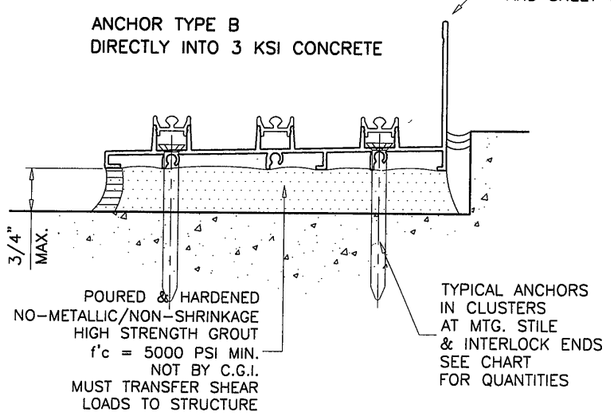
TYPE 'B'– 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1–1/4" MIN. EMBED

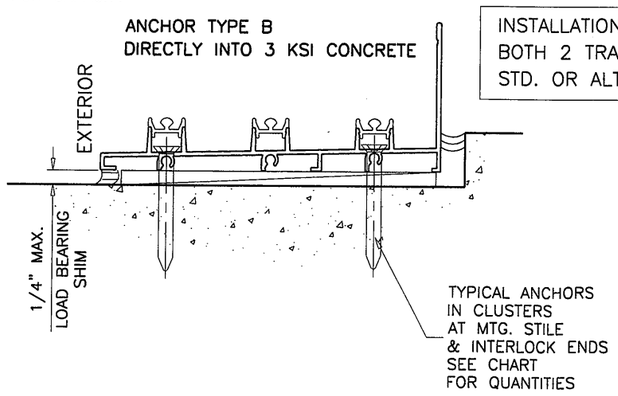
ANCHOR EDGE DISTANCES

INTO CONCRETE OR MASONRY = 1" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C–90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SILL RISERS
SEE SHEETS 9, 9A, 11 & 11A FOR DETAILS
AND SHEET 7 FOR CAPACITY





INSTALLATION CONDITIONS SHOWN APPLY TO BOTH 2 TRACK AND 3 TRACK SYSTEMS WITH STD. OR ALTERNATE FRAME HEAD AND SILL.

NOTE:
ANCHOR CAPACITIES LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH GLASS CHARTS ON SHEET 7 LOWER APPLICABLE VALUES CONTROL.

DESIGN LOAD CAPACITY – PSF (ANCHORS)

PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'A' CLUSTER OF 4	ANCHORS TYPE 'A' CLUSTER OF 6	ANCHORS TYPE 'B' & 'C' CLUSTER OF 4
24–1/8	80	80.0	–	80.0
30–1/8		80.0	–	80.0
36–1/8		80.0	–	80.0
42–1/8		80.0	–	80.0
48–1/8		80.0	–	80.0
54–1/8		80.0	–	80.0
24–1/8	84	80.0	–	80.0
30–1/8		80.0	–	80.0
36–1/8		80.0	–	80.0
42–1/8		80.0	–	80.0
48–1/8		80.0	–	80.0
54–1/8		75.9	80.0	80.0
24–1/8	90	80.0	–	80.0
30–1/8		80.0	–	80.0
36–1/8		80.0	–	80.0
42–1/8		80.0	–	80.0
48–1/8		73.7	80.0	80.0
24–1/8	96	80.0	–	80.0
30–1/8		80.0	–	80.0
36–1/8		80.0	–	80.0
42–1/8		74.1	–	80.0
48–1/8		67.5	80.0	80.0 *

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ACCEPTABLE

* THIS SIZE ONLY
USE CLUSTER OF 6
FOR ANCHOR TYPE B

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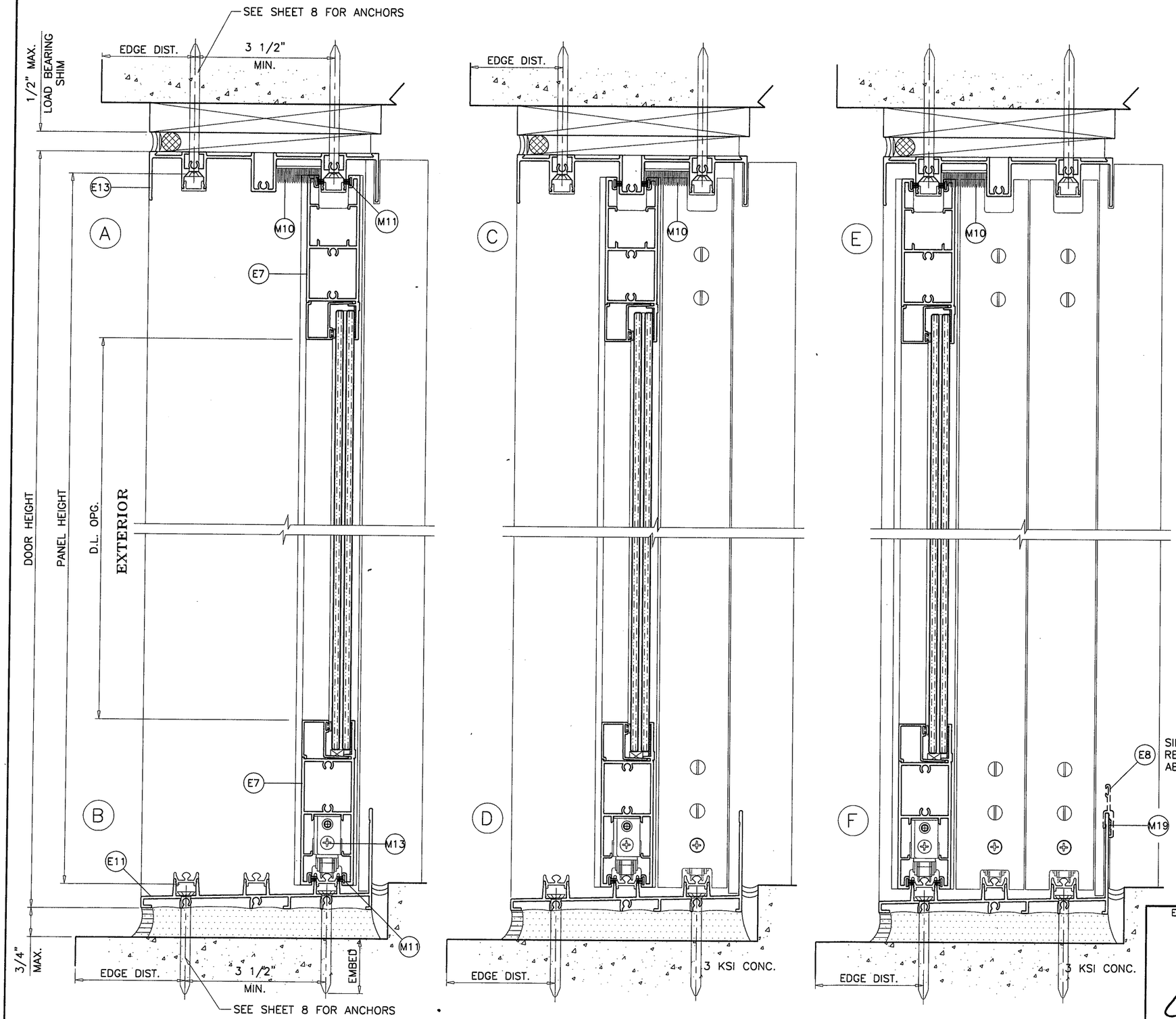
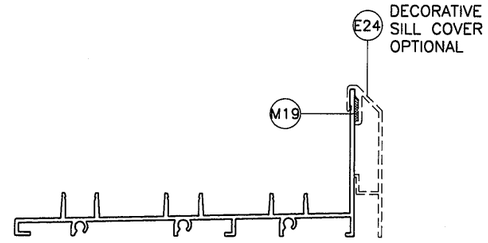
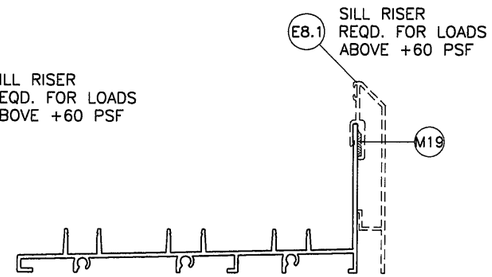


WEEP SIZE 1/4" X 1/8"

REFER TO SHEET 8 FOR VARIOUS INSTALLATION CONDITIONS.

OPTIONAL SLANT SILL ADAPTORS





THREE (3) TRACK DOOR DETAILS

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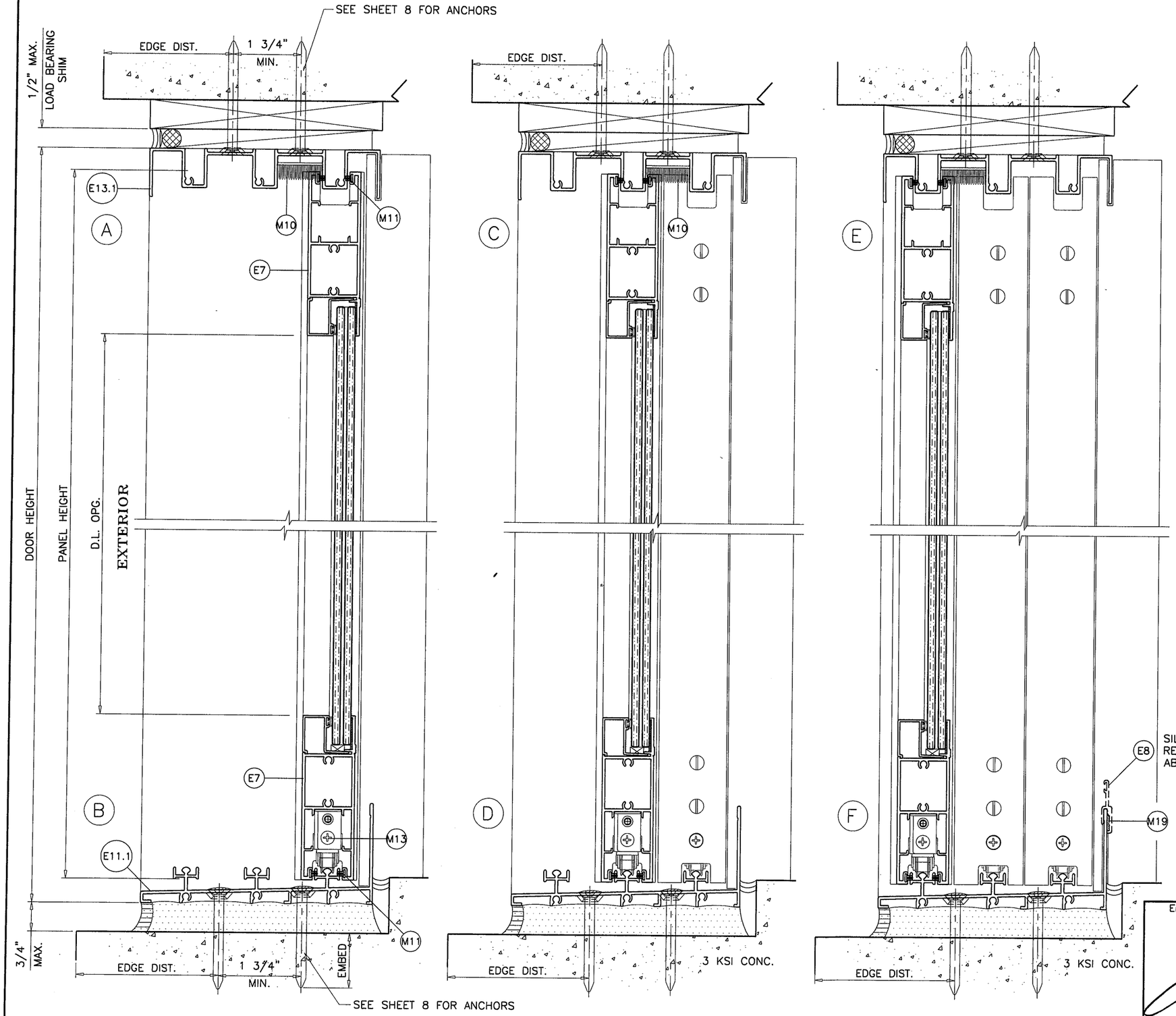

WEEP SIZE 3/4" X 3/16"

REFER TO SHEET 8 FOR VARIOUS INSTALLATION CONDITIONS.

OPTIONAL SLANT SILL ADAPTORS

ALTERNATE THREE (3) TRACK DOOR DETAILS

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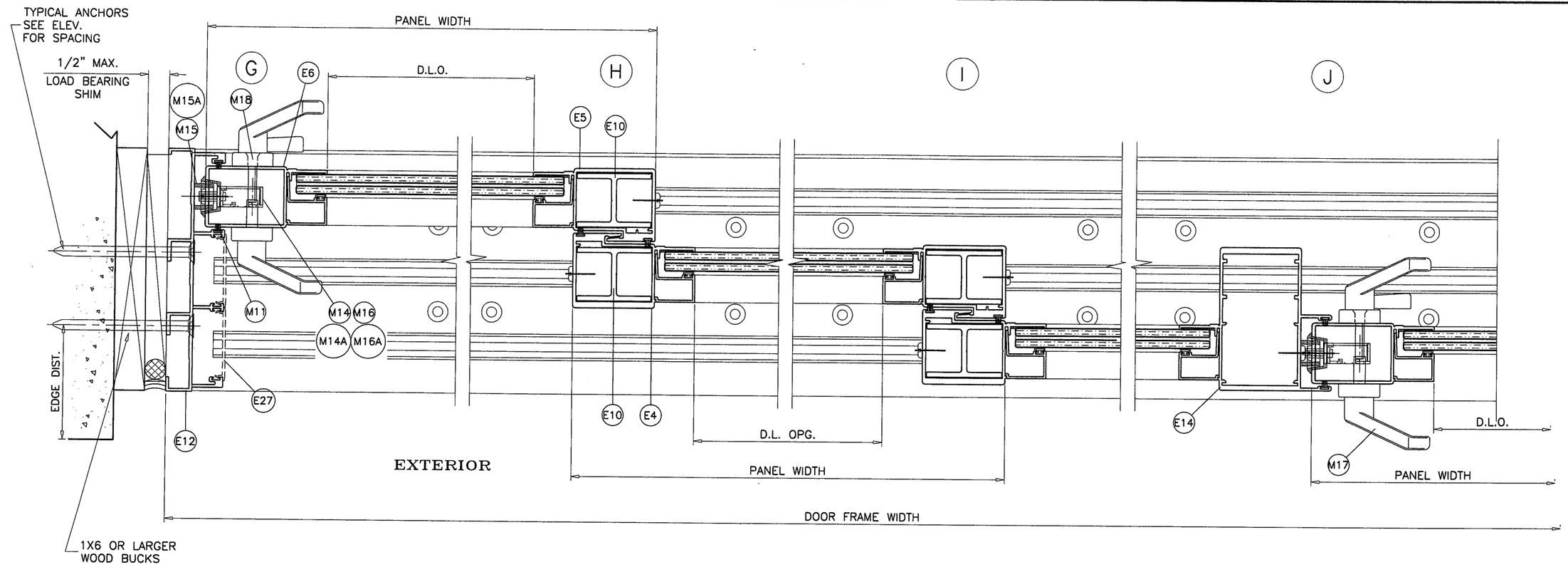
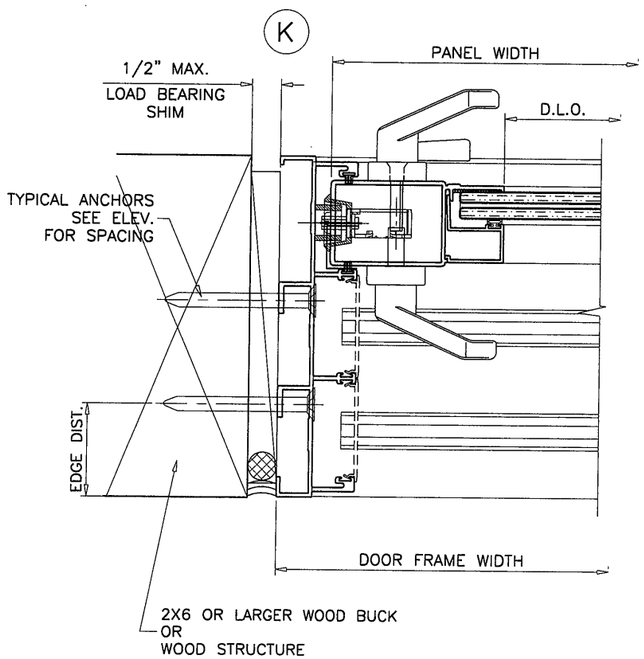
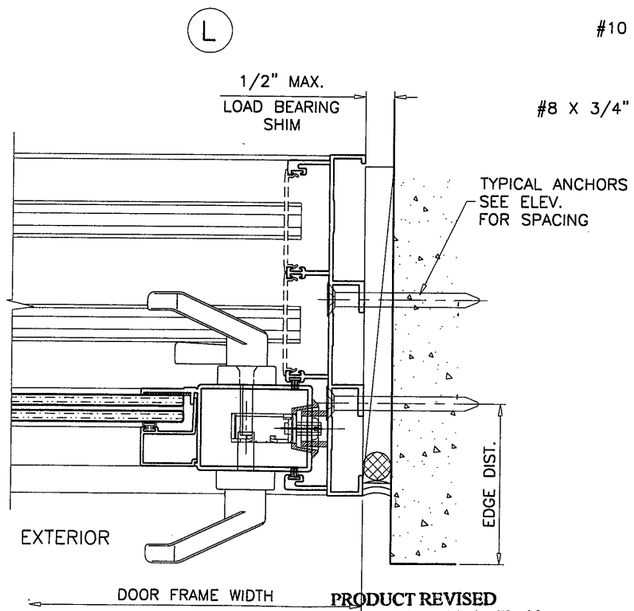
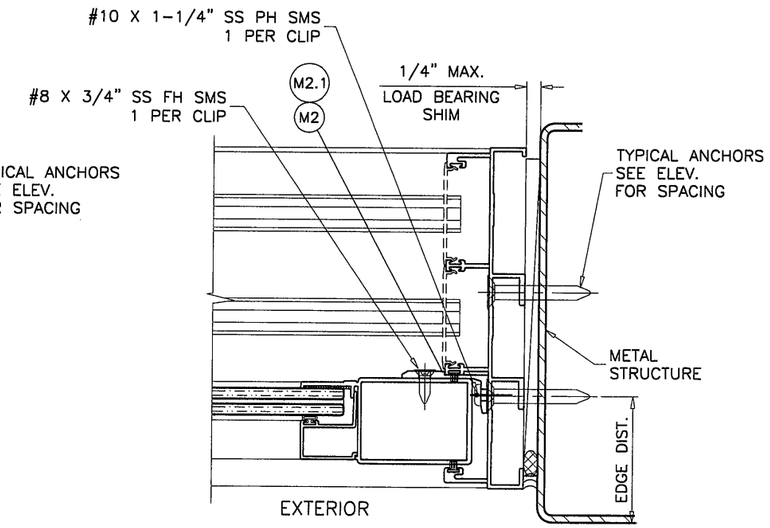








PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0821.16
Expiration Date 07/22/2015
By
Miami Dade Product Control

THREE (3) TRACK DOOR DETAILS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

DEC 05 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W10-31CGI

SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (L.M.I./S.M.I.)

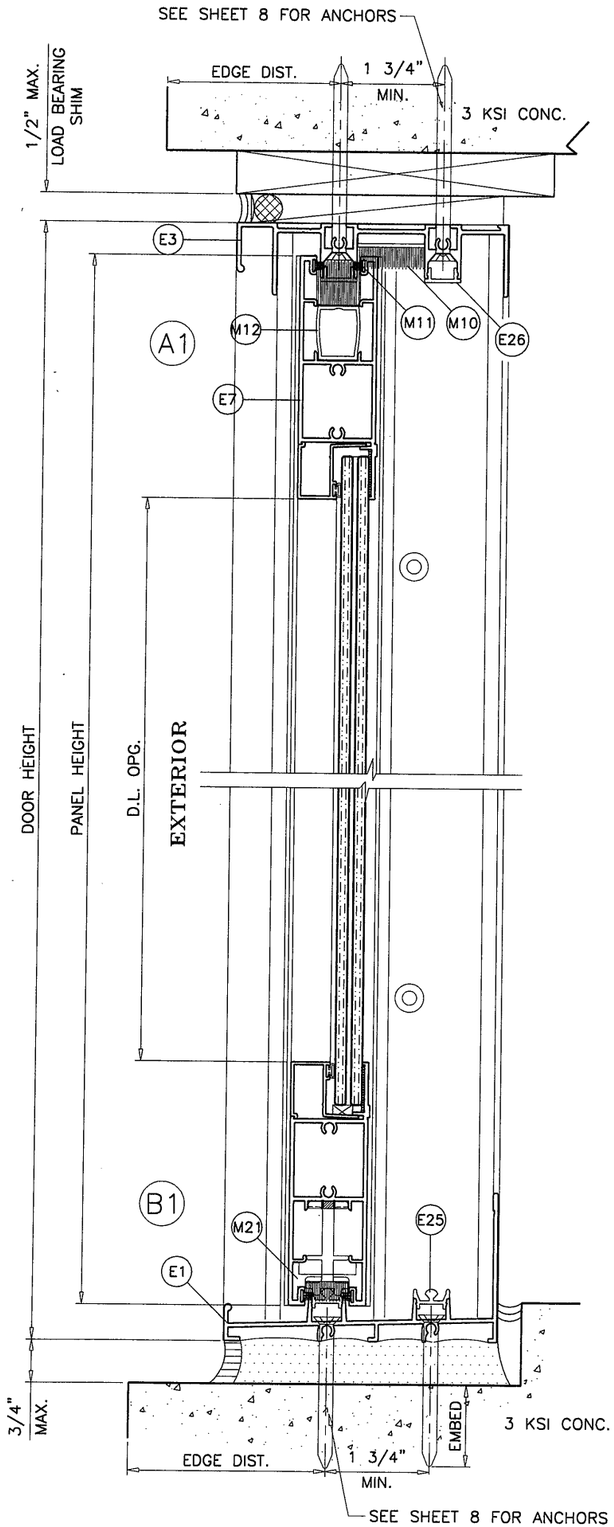
CGI WINDOWS & DOORS
10100 N.W. 25TH STREET
MIAMI, FL. 33172
TEL. (305) 593-6590 FAX. (305) 593-6592

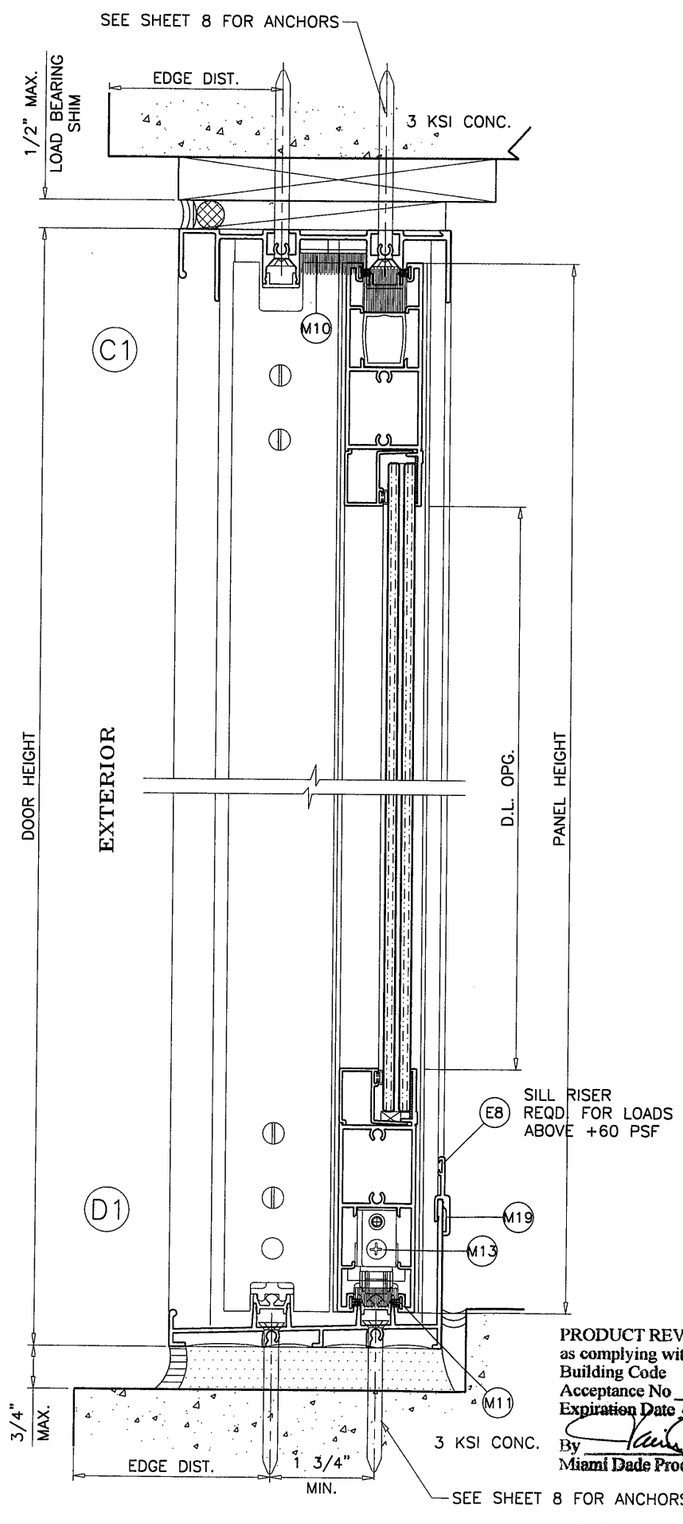
revisions:			
no	date	by	description
C	04.29.11		REV. PER BNC COMMENTS
D	10.10.11		NO CHANGE THIS SHEET
E	08.29.12		HEAD & SILL REVISED
F	12.04.12		NO CHANGE THIS SHEET

date: 05-20-10
scale: 3/8" = 1"
dr. by:
chk. by:

drawing no. W10-31

sheet 10 of 16

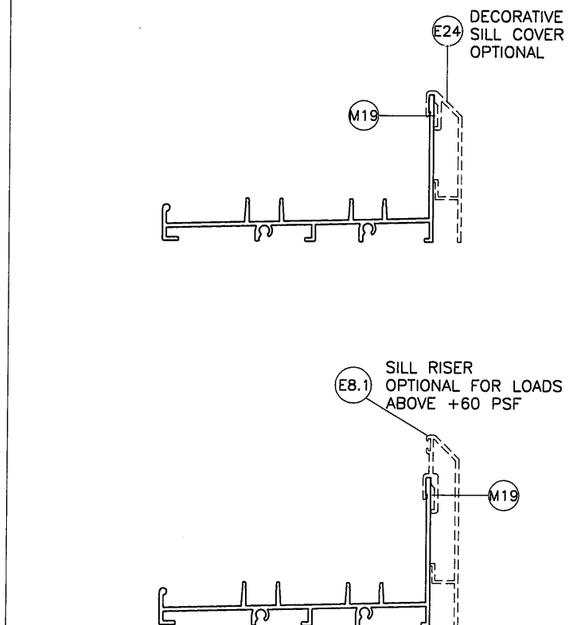




WEEP SIZE 1/4" X 1/8"

REFER TO SHEET 8 FOR VARIOUS INSTALLATION CONDITIONS.

OPTIONAL SLANT SILL ADAPTORS



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TWO (2) TRACK DOOR DETAILS

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SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (L.M.I./S.M.I.)

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revisions:

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F	12.04.12		REV. PER RER COMMENTS

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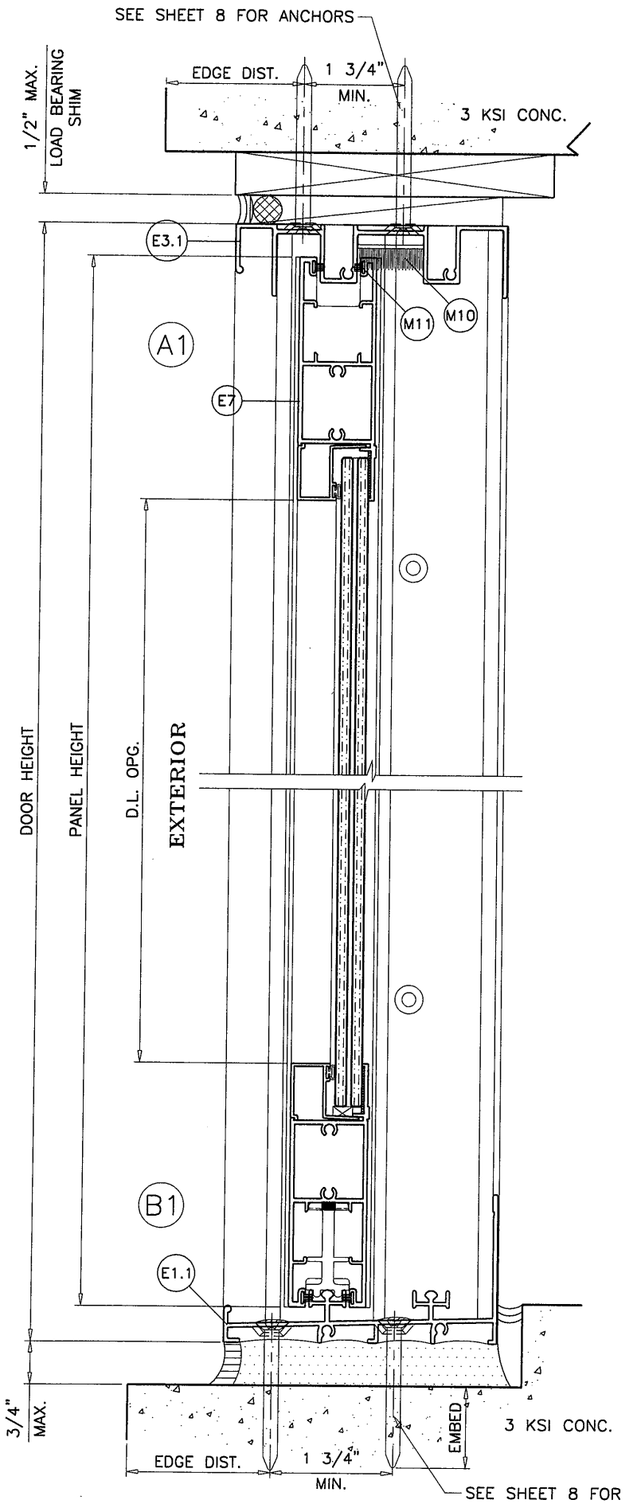
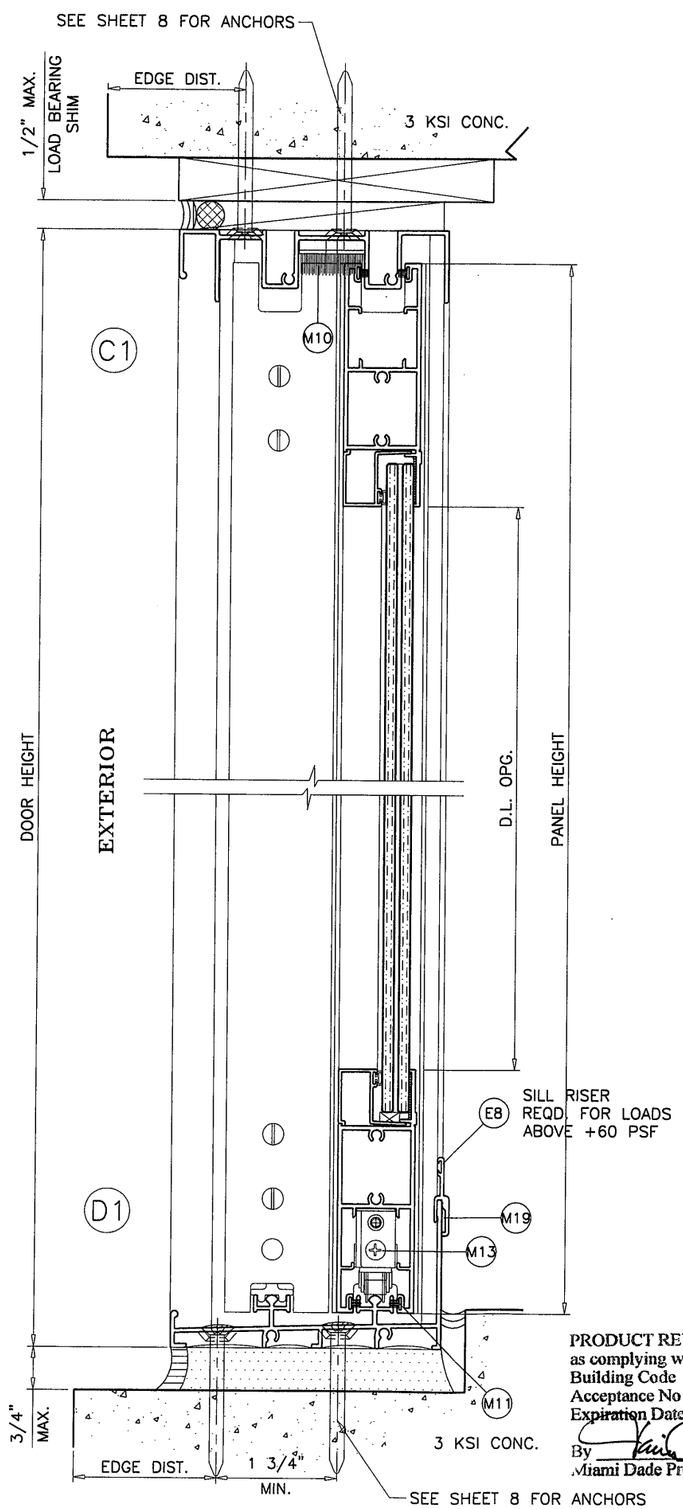
chk. by:

drawing no.
W10-31

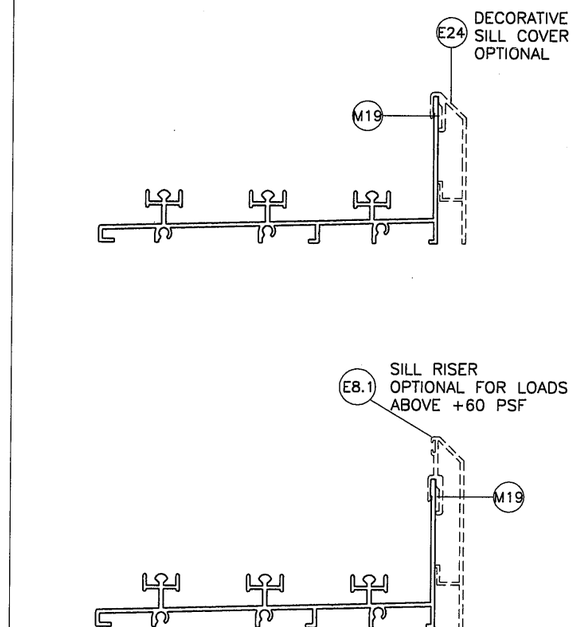




WEEP SIZE 3/4" X 3/16"

REFER TO SHEET 8 FOR VARIOUS INSTALLATION CONDITIONS.

OPTIONAL SLANT SILL ADAPTORS



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ALTERNATE TWO (2) TRACK DOOR DETAILS

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SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (I.M.I./S.M.I.)

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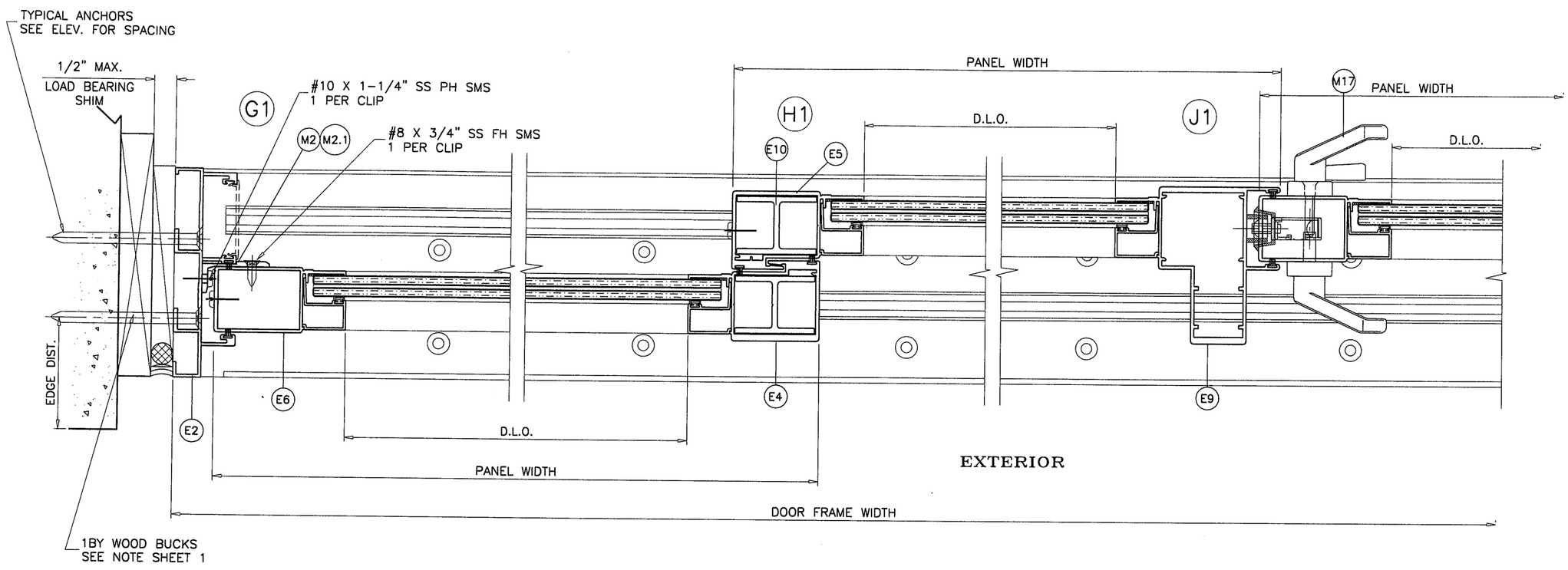

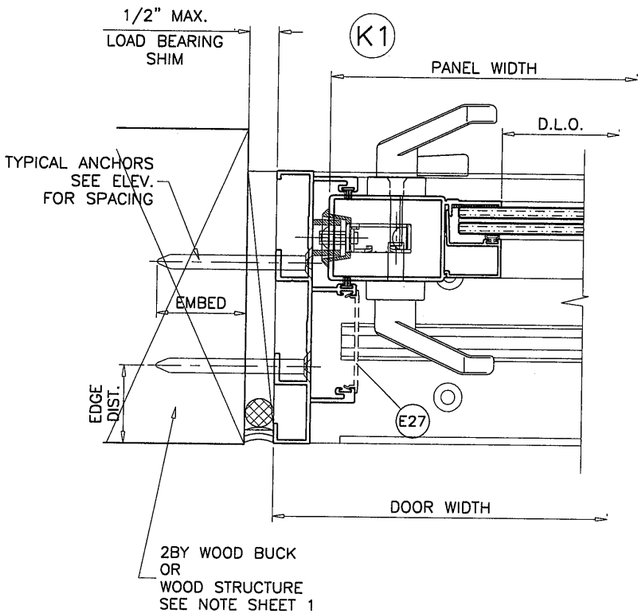

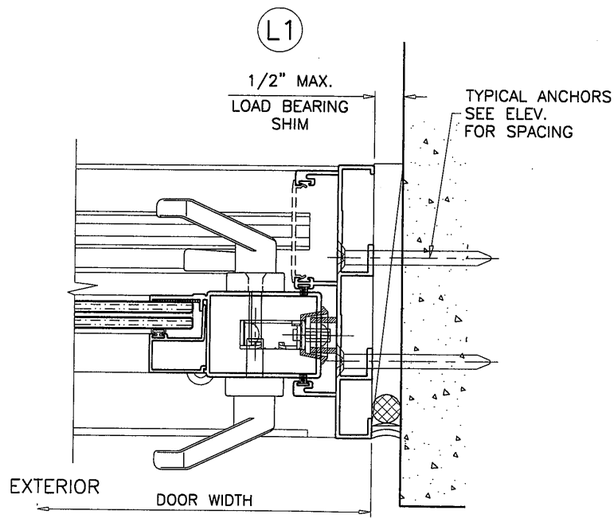

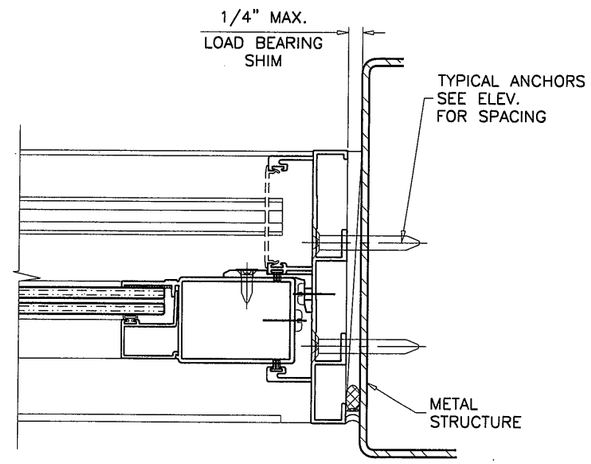

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Miami Dade Product Control

TWO (2) TRACK DOOR DETAILS

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FLA. PE # 70592
C.A.N. 3538

DEC 05 2012

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ENGINEERS & PRODUCT DEVELOPMENT
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COMP-ANL\W10-31CGI

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chk. by:

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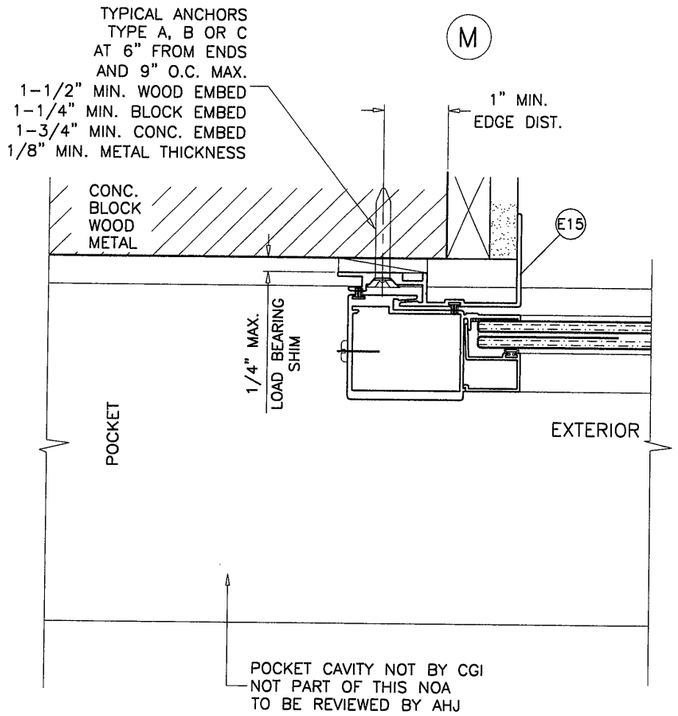
W10-31

sheet 12 of 16

POCKETED JAMB



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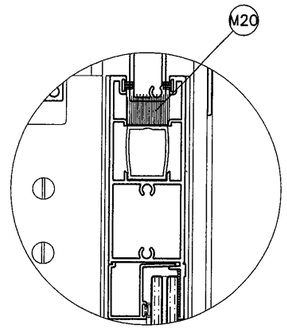
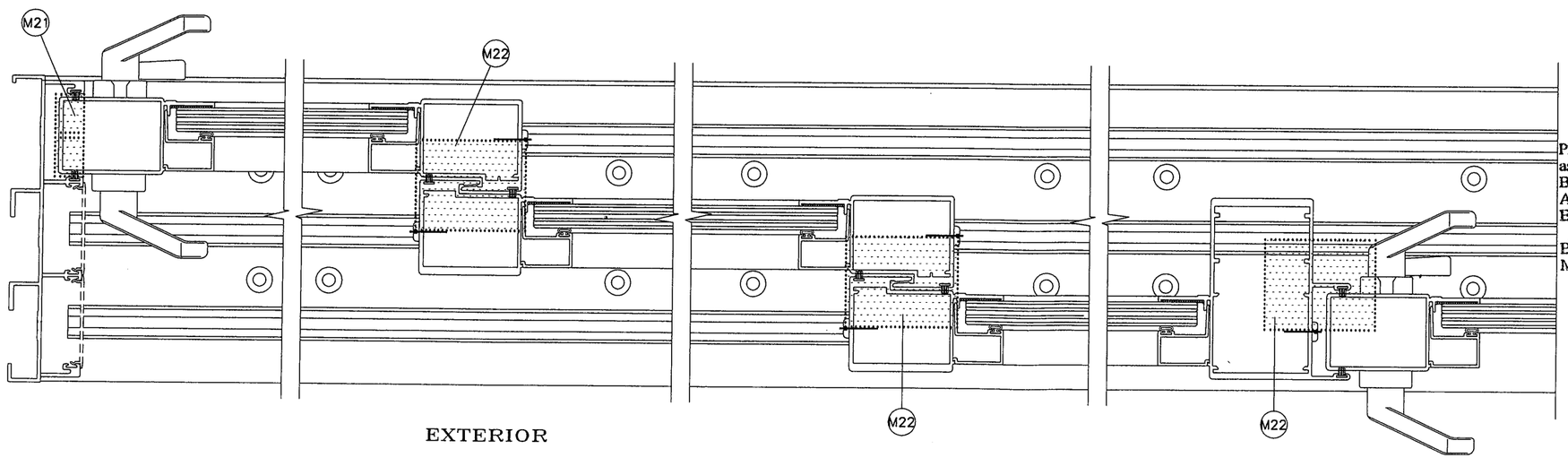


TYPICAL AT PANEL 4 CORNERS



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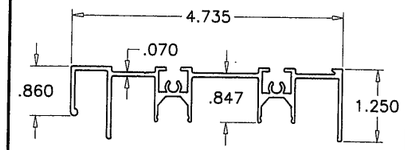
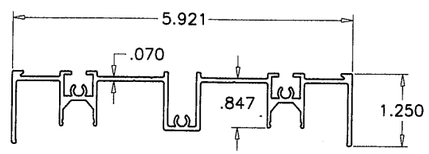
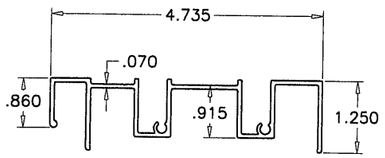
sheet 13 of 16



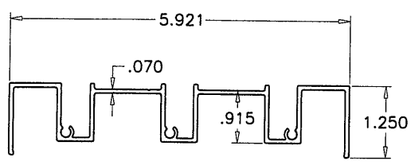
E3 FRAME HEAD (2 TRACK)



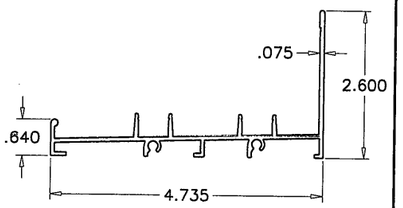
E13 FRAME HEAD (3 TRACK)



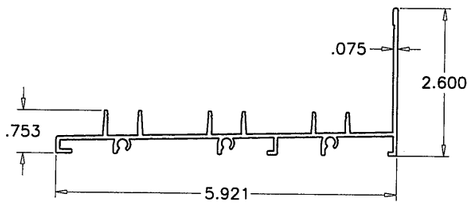
E3.1 ALT. FRAME HEAD (2 TRACK)



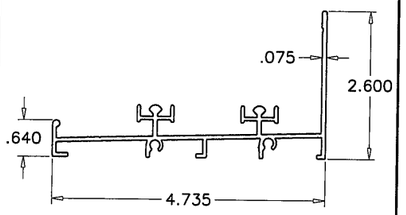
E13.1 ALT. FRAME HEAD (3 TRACK)



E1 FRAME SILL (2 TRACK)



E11 FRAME SILL (3 TRACK)



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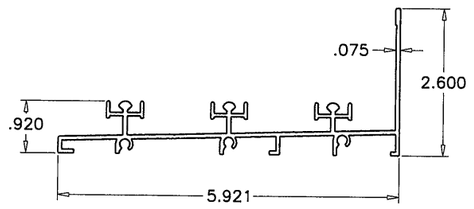

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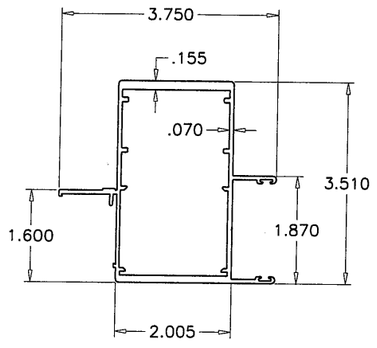
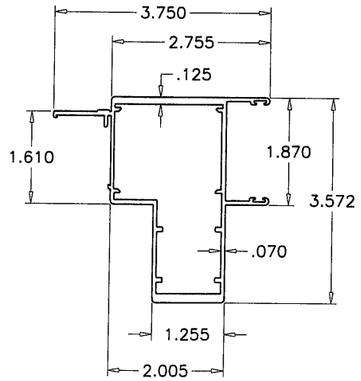
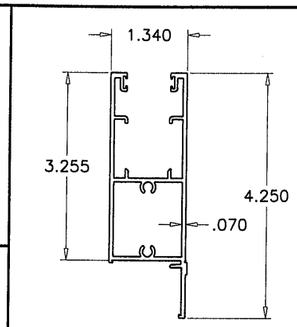


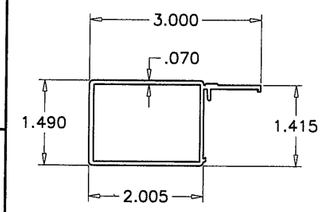
E14 OUTER TRACK ASTRAGAL STILE



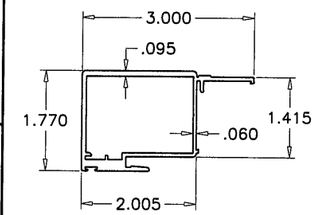
E9 ASTRAGAL STILE



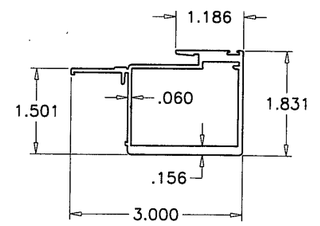
E7 TOP/BOTTOM HORIZ



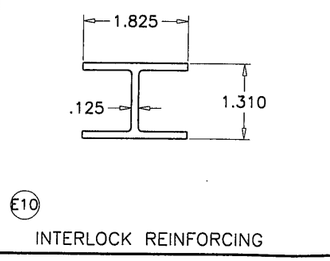
E6 MAIN STILE



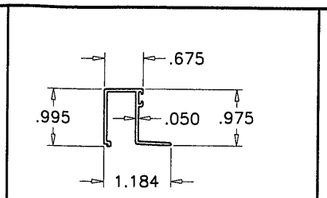
E5 INTERIOR INTERLOCK



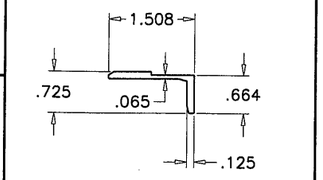
E4 EXTERIOR INTERLOCK



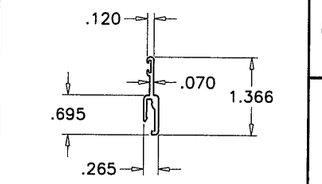
E10 INTERLOCK REINFORCING



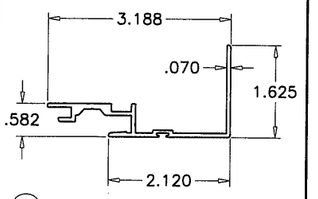
E16 GLAZING BEAD LAM. GLASS



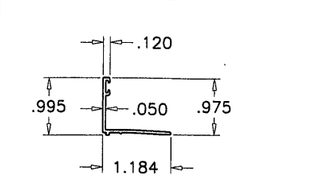
M2 FIX. PANEL CLIP



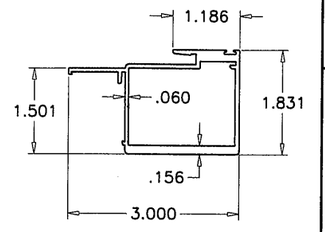
E8 SILL RISER (OPTIONAL)



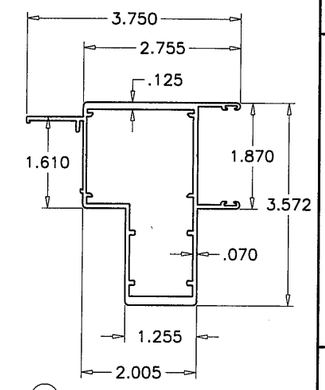
E15 POCKET HOOK



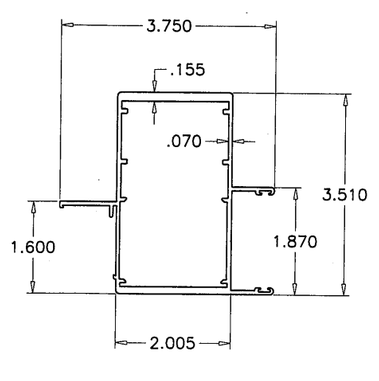
E17 GLAZING BEAD INSUL. LAM. GLASS



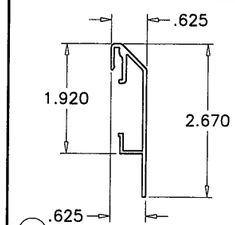
E18 EXTERIOR INTERLOCK (OPTIONAL)



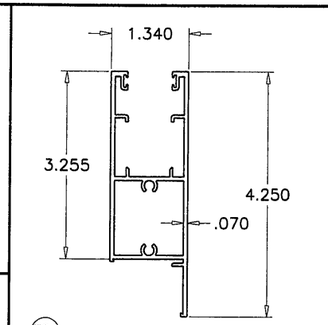
E22 ASTRAGAL (OPTIONAL)



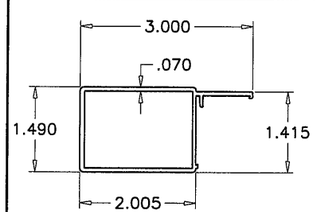
E23 OUTER TRACK ASTRAGAL (OPTIONAL)



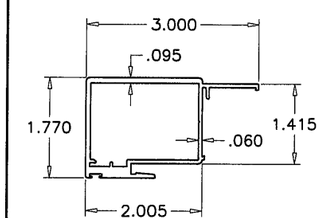
E24 SILL COVER(OPTIONAL)



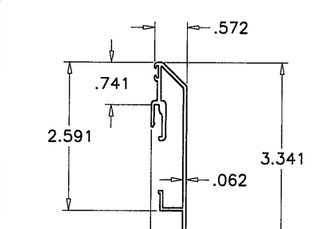
E21 TOP/BOTTOM HORIZ (OPTIONAL)



E20 MAIN STILE (OPTIONAL)



E19 INTERIOR INTERLOCK (OPTIONAL)



E8.1 SILL RISER (OPTIONAL)

Engr: JAVAD AHMAD
CIVIL
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DEC 05 2012

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as complying with the Florida Building Code
Acceptance No 12-0821.16
Expiration Date 09/22/2015
By
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COMP-ANL\W10-31CGI

SERIES 150 SENTINEL ALUM SLIDING GLASS DOOR (L.M.I./S.M.I.)

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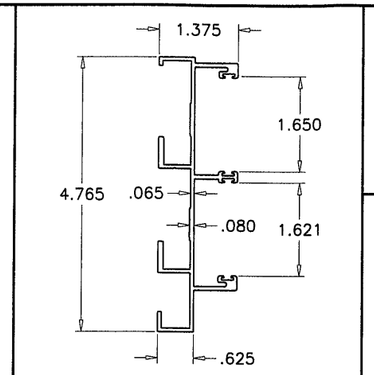
date: 05-20-10
scale: 3/8" = 1"
dr. by:
chk. by:

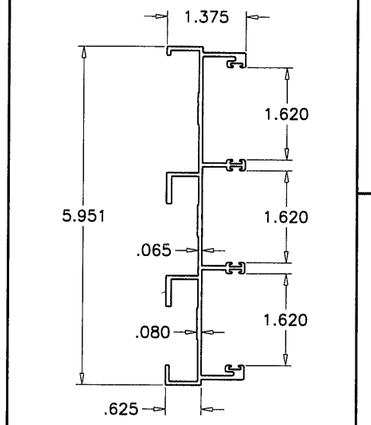
drawing no.
W10-31

sheet 14 of 16

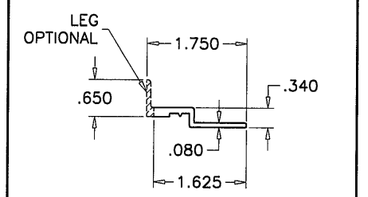
CODE	PART No.	DESCRIPTION	MATERIAL	MANUF.	REMARKS
E1	CGI-183	FRAME SILL 2 TRACK	6063-T6	CGI EXTRUDER	-
E1.1	CGI-150	ALT. FRAME SILL 2 TRACK	6063-T6	CGI EXTRUDER	-
E2	CGI-151	FRAME JAMB 2 TRACK	6063-T6	CGI EXTRUDER	-
E3	CGI-186	FRAME HEAD 2 TRACK	6063-T6	CGI EXTRUDER	-
E3.1	CGI-152	ALT. FRAME HEAD 2 TRACK	6063-T6	CGI EXTRUDER	-
E4	CGI-153	EXTERIOR INTERLOCK	6063-T6	CGI EXTRUDER	-
E5	CGI-154	INTERIOR INTERLOCK	6063-T6	CGI EXTRUDER	-
E6	CGI-155	MAIN STILE	6063-T6	CGI EXTRUDER	-
E7	CGI-156	TOP & BOTTOM HORIZ	6063-T6	CGI EXTRUDER	-
E8	CGI-157	SILL RISER	6063-T6	CGI EXTRUDER	-
E8.1	CGI-181	ALT. SILL RISER(OPTIONAL)	6063-T6	CGI EXTRUDER	-
E9	CGI-158	ASTRAGAL	6063-T6	CGI EXTRUDER	-
E10	CGI-159	INTERLOCK REINFORCING (LENGTH = FRAME HT. - 8")	6063-T6	CGI EXTRUDER	-
E11	CGI-182	FRAME SILL 3 TRACK	6063-T6	CGI EXTRUDER	-
E11.1	CGI-160	ALT. FRAME SILL 3 TRACK	6063-T6	CGI EXTRUDER	-
E12	CGI-161	FRAME JAMB 3 TRACK	6063-T6	CGI EXTRUDER	-
E13	CGI-185	FRAME HEAD 3 TRACK	6063-T6	CGI EXTRUDER	-
E13.1	CGI-162	ALT. FRAME HEAD 3 TRACK	6063-T6	CGI EXTRUDER	-
E14	CGI-168	OUTER-TRACK ASTRAGAL	6063-T6	CGI EXTRUDER	-
E15	CGI-170	POCKET HOOK	6063-T6	CGI EXTRUDER	-
E16	CGI-121	7/16" GLASS GLAZING BEAD	6063-T5	CGI EXTRUDER	-
E17	CGI-123	1" GLASS GLAZING BEAD	6063-T5	CGI EXTRUDER	-
E18	CGI-153A	EXTERIOR INTERLOCK (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E19	CGI-154A	INTERIOR INTERLOCK (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E20	CGI-155A	MAIN STILE (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E21	CGI-156A	TOP & BOTTOM HORIZ (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E22	CGI-158A	ASTRAGAL (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E23	CGI-168A	OUTER-TRACK ASTRAGAL (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E24	CGI-180	DECORATIVE SILL COVER (OPTIONAL)	6063-T6	CGI EXTRUDER	-
E25	CGI-184	2 & 3 TRACK FRAME SILL SCREW COVER	6063-T6	CGI EXTRUDER	-
E26	CGI-187	2 & 3 TRACK FRAME HEAD SCREW COVER	6063-T5	CGI EXTRUDER	-
E27	CGI-188	FRAME JAMB SCREW COVER (OPTIONAL)	6063-T5	CGI EXTRUDER	-
M1	CGI-382V	GLAZING BULB VINYL (DUROMETER 75-80 SHORE A)	PVC	-	-
M2	CGI-171C	FIXED PANEL CLIP (2-1/2" LONG)	6063-T5	-	2 @ FIXED PANEL
M2.1	CGI-171	ALT. FIXED PANEL CLIP (2-1/2" LONG)	6063-T5	-	2 @ FIXED PANEL
M3	CGI-173	FIXED PANEL SHIM	NYLON	-	2 PER FIXED PANEL
M10	CGI-176	FRAME HEAD ANTILIFT & PAD PILE	WOOL/NYLON	SULLIVAN	1 PER INTERLOCK/ASTR.
M11	W23201NG	PILE WITH CENTER FIN	WOOL	ULTRAFAB OR EQUIV.	-
M12	CGI-177	PANEL TOP & BOTTOM DUST PILE	WOOL/PVC	SULLIVAN	-
M13	TA-51	ST/ST ROLLER	ST/ST	AMESBURY OR EQUIV.	2 PER PANEL
M14	SGD-500	MORTISE LOCK	ST/ST	SULLIVAN	ATTACHED TO SGD-503
M14A	PS01-0036-117	MORTISE LOCK	ST/ST	INTERLOCKS	ATTACHED TO M16A
M15	SGD-507	KEEPER	ZINC	SULLIVAN	INST. W/ 2 #10X3/4" PH
M15A	SGD-507N	KEEPER	ZINC	INTERLOCKS	INST. W/ 2 #10X3/4" PH
M16	SGD-503	RECESSED ADAPTOR	ZINC	SULLIVAN	INST. W/ 2 #10X3/4" FH
M16A	PS01-0036-117	RECESSED ADAPTOR	ZINC	INTERLOCKS	INST. W/ 2 #10X3/4" FH
M17	SGD-5500	HANDLE SET	ZINC	SULLIVAN/INTERLOCKS	-
M18	SM2300WH	HANDLE SET OPTIONAL	ZINC	SULLIVAN	-
M19	SCS2000 SILPRUF	SEALANT	SILICONE	GE	-
M20	CGI-177	PANEL TOP & BOTTOM DUST PILE	WOOL	SULLIVAN OR EQUIV.	4 PER PANEL
M21	CGI-174	HEAD AND SILL SMALL PILE PAD	WOOL	ULTRAFAB OR EQUIV.	1 PER INTERLOCK/ASTRAGAL
M22	CGI-175	SILL INTERLOCK PILE PAD	WOOL	ULTRAFAB OR EQUIV.	
S2	-	#10 X 1 1/4" LG. PHL. PH. SMS. ST/ST. ASSEMBLY SCREW	-	-	2 OR 3 PER CORNER



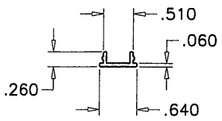
E2 FRAME JAMB (2 TRACK)



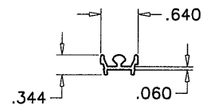
E12 FRAME JAMB (3 TRACK)



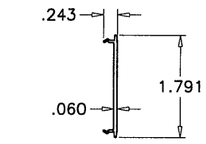
M2.1 ALT. FIX. PANEL CLIP



E26 FRAME HEAD COVER



E25 FRAME SILL COVER



E27 FRAME JAMB COVER

LOCK:

LOCK SYSTEM BY 'SULLIVAN' OR 'INTERLOCK' LOCATED AT MAIN STILE AT 40" FROM BOTTOM
SS MORTISE LOCK (PART #SGD-500) (PS01-0036-117)
ZINC RECESSED ADAPTOR (PART #SGD-503) (PS01-0036-117)
ZINC HANDLE SET (PART #SM5500) & (PART #SM2300WH)
ZINC KEEPER (PART #SGD-507) (PART #SGD-507N)

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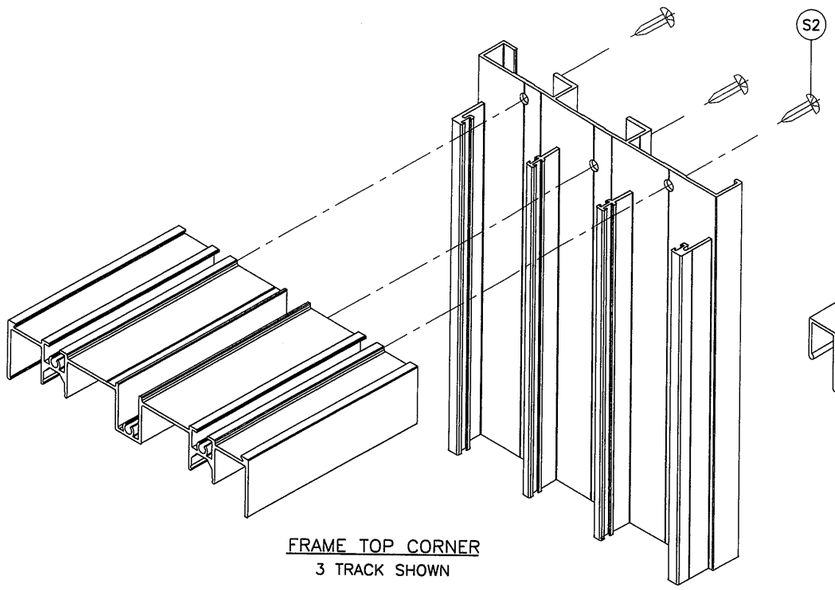
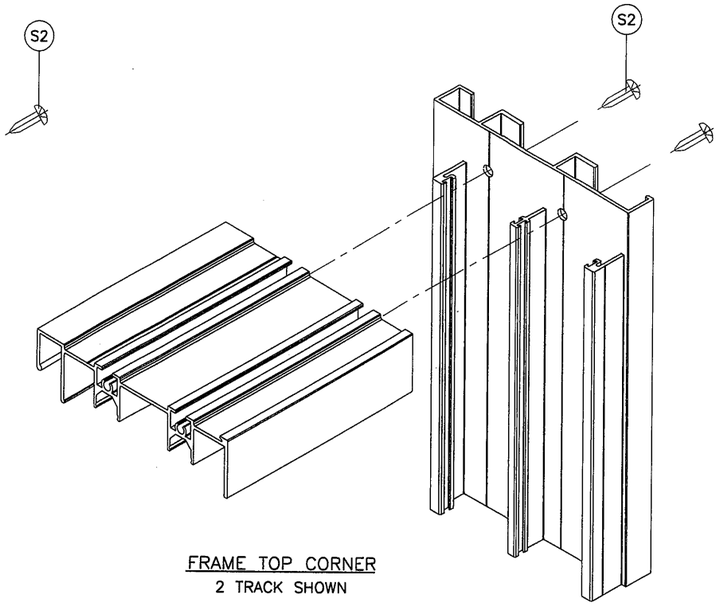
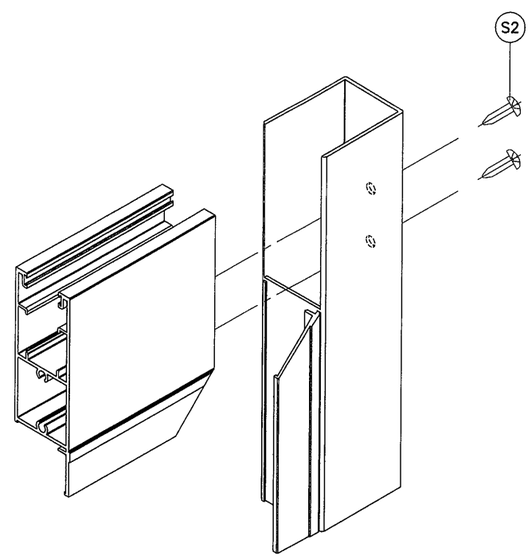


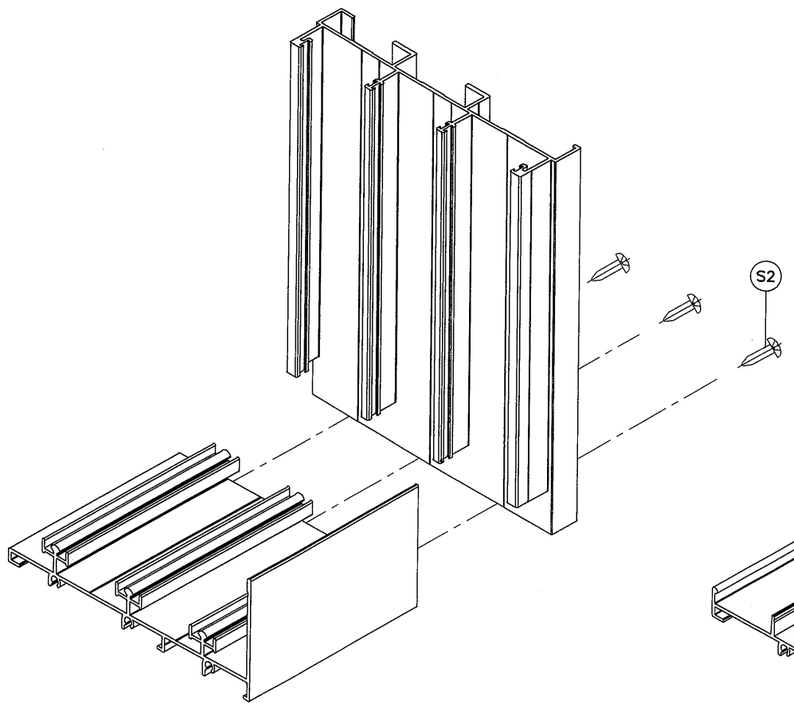
FRAME TOP CORNER
3 TRACK SHOWN



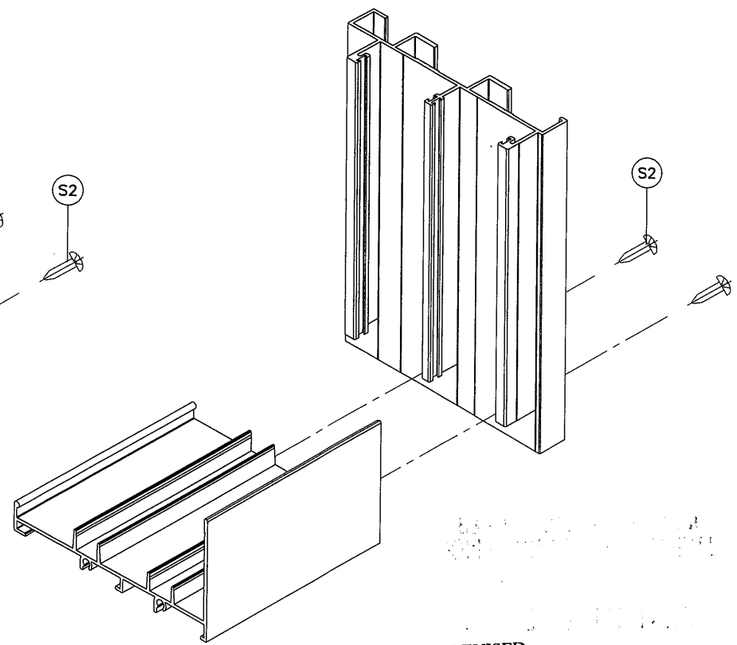
FRAME TOP CORNER
2 TRACK SHOWN



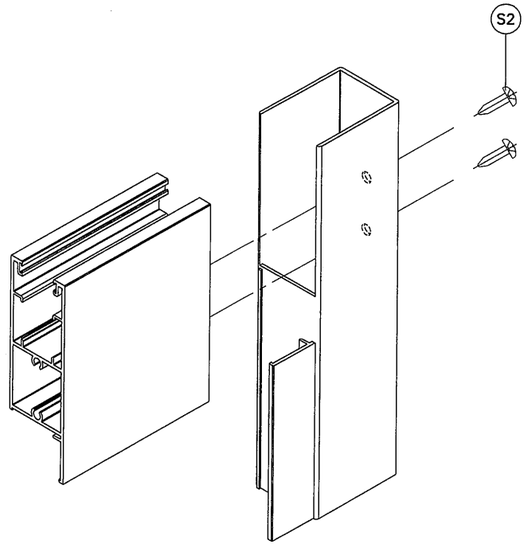
PANEL TOP/BOTTOM CORNER
MITERED BEAD CORNER (TYPICAL)



FRAME BOTTOM CORNER
3 TRACK SHOWN



FRAME BOTTOM CORNER
2 TRACK SHOWN



PANEL TOP/BOTTOM CORNER
SQUARE BEAD CORNER (OPTIONAL)

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