



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

Fleetwood Windows & Doors

**P.O. Box 1086
Corona, CA 92878**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Norwood 3070HI-WG" Aluminum Sliding Glass Door

APPROVAL DOCUMENT: Drawing No. **HI CERT DADE 08**, titled "Norwood 3070HI", sheets 1 through 21 of 21, dated 07-25-08 and last revised on 10-10-08 prepared by manufacturer, signed and sealed by Joseph R. Evan, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Max. Design pressure with glazing type-A is limited to +55/-60 psf.
2. Max frame height for Non-cornered units = 130" and for cornered unit = 115", see Dp table for rating.
3. Min two tracks w/ two anchors at each location as specified, except at pocket jambs one anchor per location.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 =- f 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No 08-0516.01
Expiration Date: November 28, 2013
Approval Date: November 28, 2008

11/7/08

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **HI CERT DADE 08**, titled "Norwood 3070HI", sheets 1 through 21 of 21, dated 07-25-08 and last revised on 10-10-08 prepared by manufacturer, signed and sealed by Joseph R. Evan, P.E.

- B. TESTS:** 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
 - 5) Large Missile impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of an aluminum sliding glass door w/ wo corners, prepared by Architectural Testing, Reports No. **78672-01-301-18** dated 7/14/08, **78671-01, 02, 03, 04, 05 & 06-301-18** dated 5/04/08, **78674-01-301-18** dated 2/26/08, dated 12/12/01 & **78675-01-301-18** dated 2/25/08, signed and sealed by Jeffery T. Kaminski, P.E.

(Note: These test reports have been revised by addendum letter issued by Architectural Testing dated 07/11, 2008 & 10/12/08, signed & sealed by Jeffery T. Kaminski, P.E. and Joseph A. Reed, P.E., respectively.

C. CALCULATIONS

1. Anchor calculations and structural analysis dated 05/04/08, 08-08-08 and last revised on 10/10/2008, prepared, signed, sealed and dated by Joseph R. Evan, P.E.
2. Glazing complies w/ ASTM E-1300-02 & 04

D. QUALITY ASSURANCE BY:

1. Miami-Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

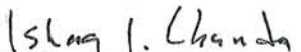
1. Notice of Acceptance No. **08-0709.04** issued to Nebula Glass Int'l. dba Glasslam for "Safety Plus II laminated glass", expiring on 08/07/13.
2. Notice of Acceptance No. **03-0514.15** issued to Old Castle Glass Inc. for "Stormglass, laminated Glass", expiring on 12/18/2008.

F. STATEMENTS

1. Statement letters of conformance and "No financial interest", both dated 05-02-08, signed and sealed by Joseph R. Evan, P.E.
2. Statement of compliance, issued by Architectural Testing, as part of the above referenced test report.
3. Addendum letter dated 07-11-08 & 10-12-08 for test reports 78672.01-301-18 & 78676.01-301-18 issued by Architectural Testing lab.

G. OTHER

1. Test proposal # 07-2696 dated June 20, 2007, issued by BCCO.


Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 08-0516.01

Expiration Date: November 28, 2013

Approval Date: November 28, 2008

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GENERAL NOTES

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOAD" TABLE.
2. BUCKING OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER LOADS TO THE STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH FBC PROTOCOLS TAS 201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. DOOR MUST COMPLY WITH FBC EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

CORNER CONSTRUCTION:

FRAME HEAD:

COPE SIDE TRACK, BUTT HEAD TRACK TO SIDE TRACK & SECURE WITH 2 NO. 10 X 3/4" SMS THROUGH SIDE TRACK INTO HEAD TRACK SPLINES.

FRAME SILL:

COPE SIDE TRACK, BUTT SILL TRACK TO SIDE TRACK & SECURE WITH 2 NO. 10 X 3/4" SMS THROUGH SIDE TRACK INTO SILL TRACK SPLINES.

FIXED PANEL:

BUTT TOP & BOTTOM RAILS TO SIDE STILES AND SECURE EACH CORNER WITH 1 NO. 10 X 2" SMS THROUGH THE SIDE STILE INTO THE RAIL SPLINE.

OPERABLE PANEL:

SAME AS FIXED PANEL. NOTE THAT A PILOT HOLE IS PLACED THROUGH THE OUTER WALL OF THE STILE WITH THE SCREW HEAD MEETING THE INNER WALL.

GLAZING TYPES USED: (SEE GLAZING DETAIL ON SHEET 21)

TYPE "A" = NOMINAL 5/8" THICK LAMINATED GLASS CONSISTING OF:
 0.220" HEAT-STRENGTHENED GLASS,
 0.100" SAFETY PLUS II INTERLAYER,
 0.220" HEAT-STRENGTHENED GLASS
 MANUFACTURED BY GLASSLAM INTERNATIONAL.

TYPE "B" = NOMINAL 9/16" THICK LAMINATED GLASS CONSISTING OF:
 0.220" HEAT-STRENGTHENED GLASS,
 0.075" VENCEVA™ COMPOSITE (VS-XX) INTERLAYER BY SOLUTIA INC.,
 0.220 HEAT-STRENGTHENED GLASS
 MANUFACTURED BY OLDCASTLE GLASS INCORPORATED.

ALLOWABLE DESIGN LOAD (NON-CORNERED UNITS)			ALLOWABLE DESIGN LOAD (CORNERED UNITS)		
MAXIMUM FRAME HEIGHT = 130.00 (NOMINAL PANEL WIDTH = 58.00)			MAXIMUM FRAME HEIGHT = 115.00 (NOMINAL PANEL WIDTH = 58.00)		
FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (PSF)		CORNER ANGLE (DEGREES)	ALLOWABLE PRESSURE (PSF)	
	POSITIVE	NEGATIVE		POSITIVE	NEGATIVE
GREATER THAN 96" UP TO 130"	55.0	60.0	60° TO 90°	55.0	55.0
96" OR LESS	*65.00	*75.0	91° TO 179°	55.0	53.0
FRAME WIDTH IS DEPENDENT ON THE MAXIMUM PANEL WIDTHS SPECIFIED IN THE ELEVATION			FRAME WIDTH IS DEPENDENT ON THE MAXIMUM PANEL WIDTHS SPECIFIED IN THE ELEVATION		

DESIGN PRESSURE LIMITATIONS

1. POSITIVE (EXTERIOR) WATER PRESSURE LIMITED TO +55 PSF.
2. * GLASSTYPE "A" (SAFETY PLUS BY GLASSLAM INTERNATIONAL) IS LIMITED TO +55/-60 PSF.

* FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	(1)NO. 10 SMS SCREW	1 1/2"	3/4"
MIN. 18 GA. 33 KSI STEEL STUD	(1)NO. 10 SMS SCREW	FULL	3/8"
CMU/CONCRETE	(2)3/16" CONCRETE SCREWS	1 1/4"	2 5/8"

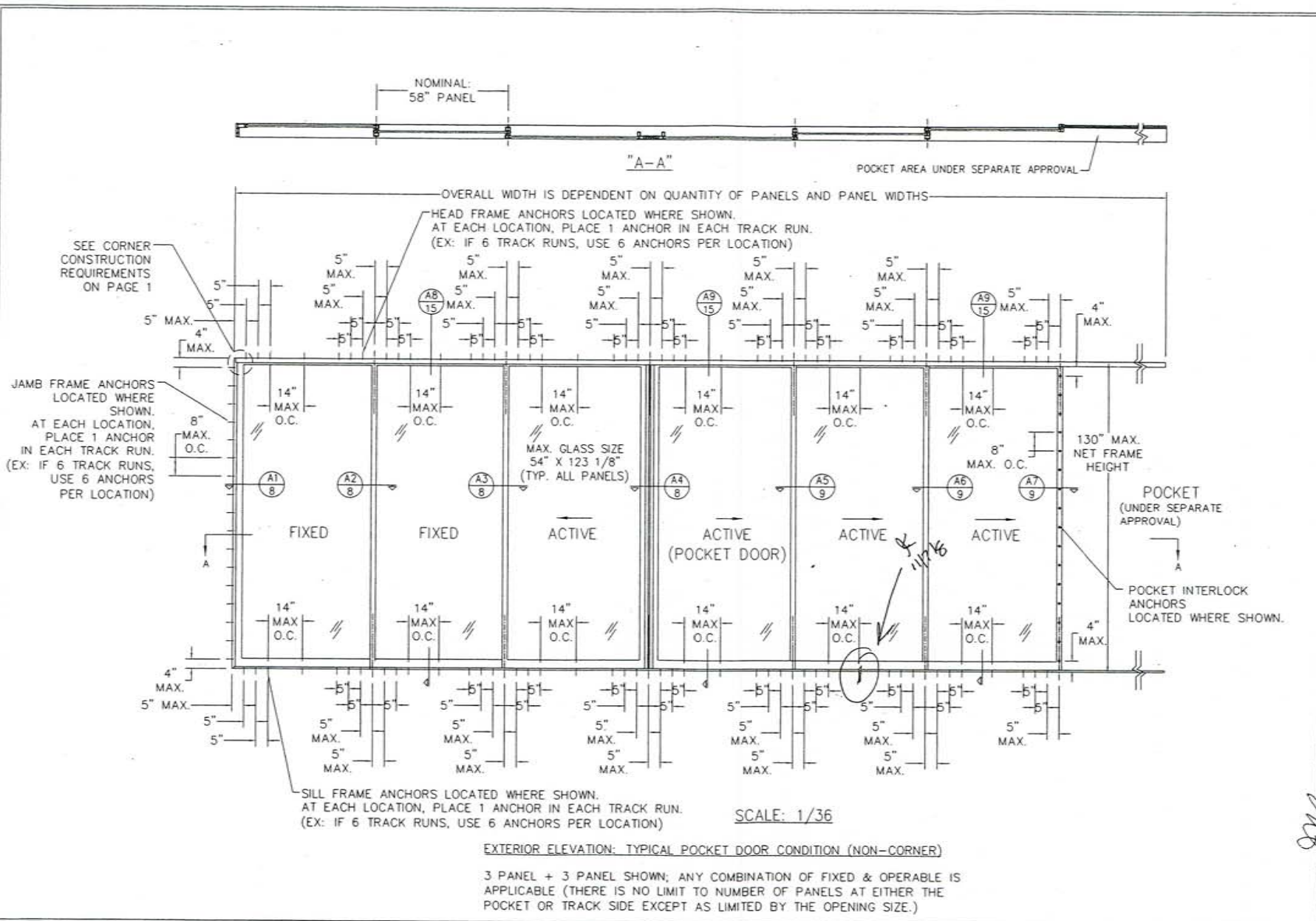
(1) SMS SCREWS GRADE 5
 (2) CONCRETE SCREWS SHALL BE 3/16" ITW TAPCON

NO.	REVISION DESCRIPTION	DATE	BY	DATE
1	2	07/25/08	BLP	10/02/08
2	3	10/02/08	BLP	
3				

NORWOOD 3070H 2008 DADE CERTIFICATION
 MANUFACTURER
FLEETWOOD
 WINDOWS & DOORS
 1096 CORONA, CA 92878
 P.O. BOX 908
 951-278-1070

DRAWING TITLE
 CONSULTANTS
 JOSEPH R. EVANS P.E.
 FL #4592
 1333 SUNSET DR.
 WINTER PARK, FL 32789
 407-644-8161
 10-10-08

DRAWING NO.	REV.
HI CERT DADE 08	3
SHEET NO.	
1 OF 21	



NO.	REVISION DESCRIPTION	DATE	BY	CHECKED BY
1	UPDATED PER DATE MARKUPS	07/25/08	BLP	WDE
2	UPDATED PER DATE MARKUPS	10/02/08	BLP	
3	UPDATED PER DATE MARKUPS		BLP	

NORWOOD 3070HI 2008 DADE CERTIFICATION—SPECIMEN 1A/1B

FLEETWOOD
 WINDOWS & DOORS
 10000 W. CENTRAL EXP. CA 92870
 P.O. BOX 981-270-1070

MANUFACTURER

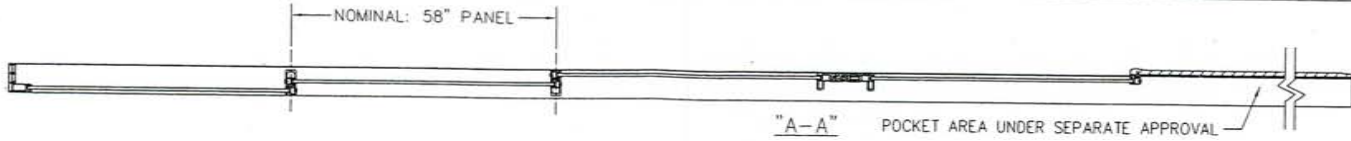
DRAWING TITLE: NORWOOD 3070HI 2008 DADE CERTIFICATION—SPECIMEN 1A/1B

CONSULTANTS:

JOSEPH R. EVANS P.E.
 FL #4392
 1333 SUNSET DR.
 WINTER PARK, FL 32789
 407-644-8161

10-10-08

DRAWING NO.	REV.
H CERT DADE 08	3
SHEET NO.	
2	OF 21



"A-A" POCKET AREA UNDER SEPARATE APPROVAL

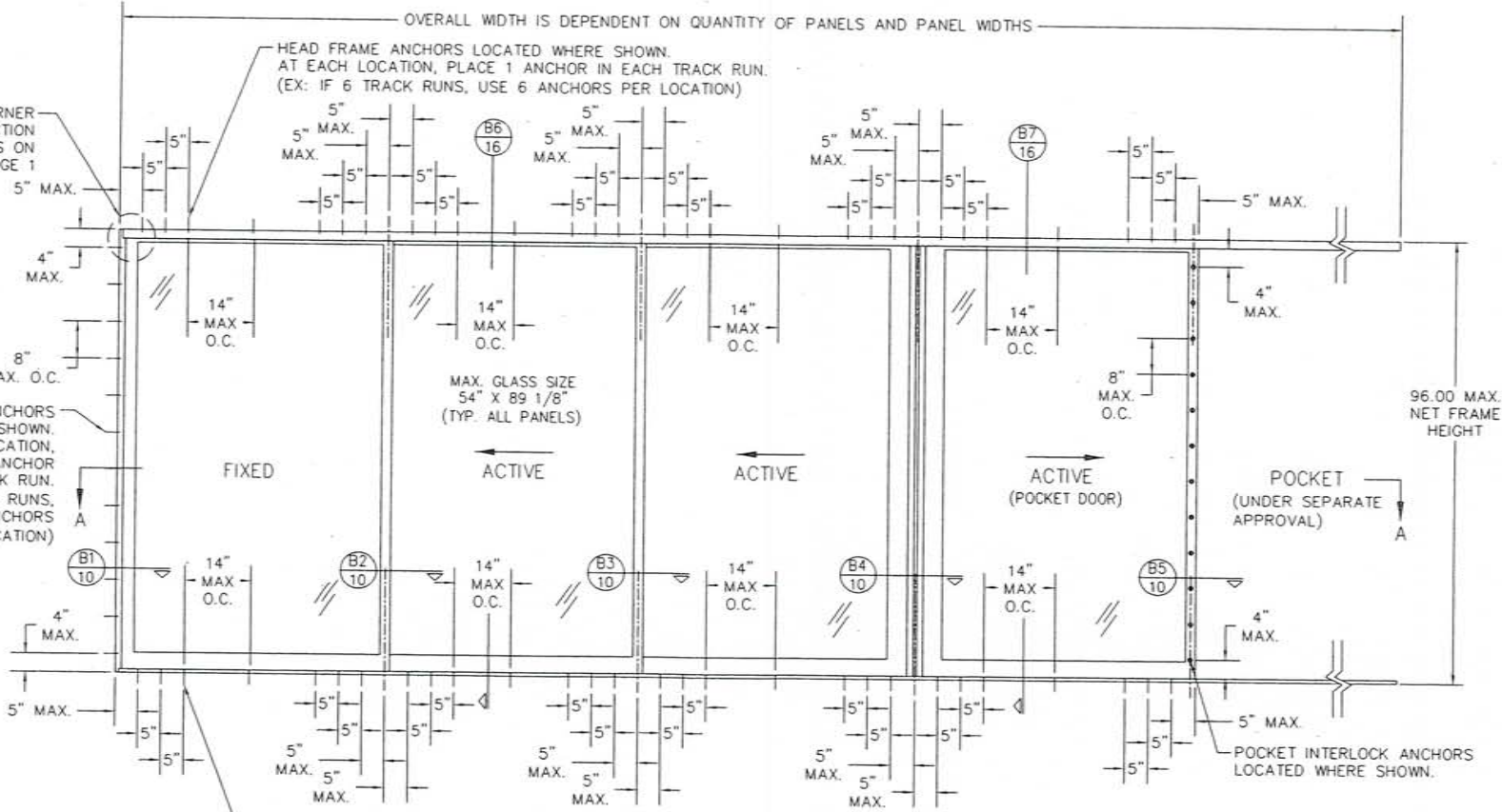
OVERALL WIDTH IS DEPENDENT ON QUANTITY OF PANELS AND PANEL WIDTHS

HEAD FRAME ANCHORS LOCATED WHERE SHOWN.
AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN.
(EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

SEE CORNER CONSTRUCTION REQUIREMENTS ON PAGE 1

JAMB FRAME ANCHORS LOCATED WHERE SHOWN.
AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN.
(EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

MAX. GLASS SIZE
54" X 89 1/8"
(TYP. ALL PANELS)



SILL FRAME ANCHORS LOCATED WHERE SHOWN.
AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN.
(EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

POCKET INTERLOCK ANCHORS LOCATED WHERE SHOWN.

SCALE: 1/24

EXTERIOR ELEVATION: TYPICAL POCKET DOOR CONDITION (NON-CORNER)

3 PANEL + 1 PANEL SHOWN; ANY COMBINATION OF FIXED & OPERABLE IS APPLICABLE (THERE IS NO LIMIT TO NUMBER OF PANELS AT EITHER THE POCKET OR TRACK SIDE EXCEPT AS LIMITED BY THE OPENING SIZE.)

NO.	REVISION DESCRIPTION	BY	DATE	DRAWN BY	CHECKED BY
2	UPDATED PER DATE MARKUPS	BLP	07/25/08	WDC	
3	UPDATED PER DATE MARKUPS	BLP	10/02/08		

NORWOOD 3070H 2008 DADE CERTIFICATION-SPECIMEN 24/28

FLEETWOOD
WINDOWS & DOORS
1000 W. WINDYBROOK DR., SUITE 100
MILPITAS, CA 95078
P.O. BOX 881-279-1070

MANUFACTURER

DRAWING TITLE: NORWOOD 3070H 2008 DADE CERTIFICATION-SPECIMEN 24/28

CONSULTANTS

JOSEPH R. EVANS P.E.
FL #4192
1333 SUNSET DR
WINTER PARK, FL 32789
407-644-3151

10-10-08

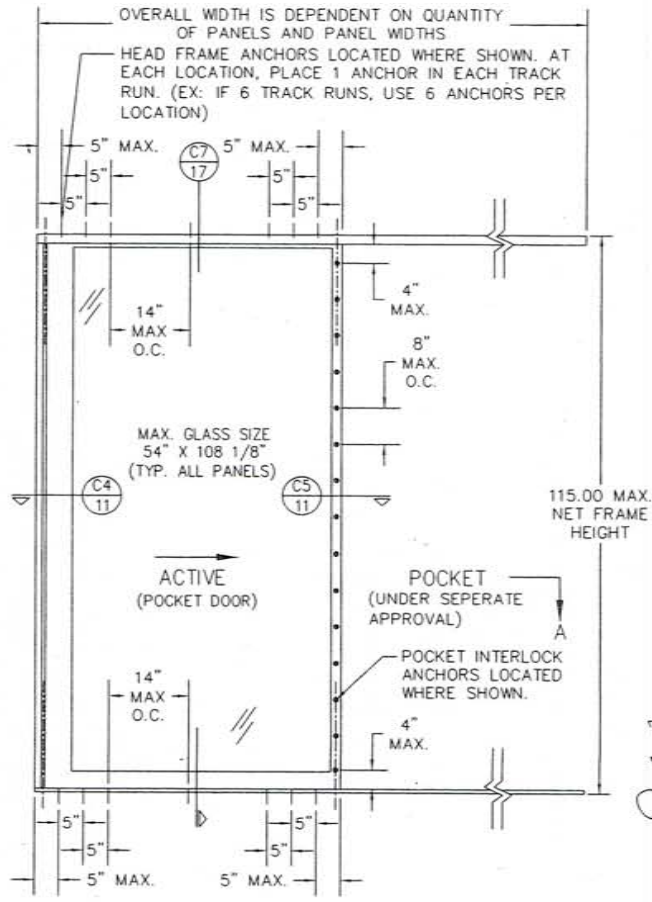
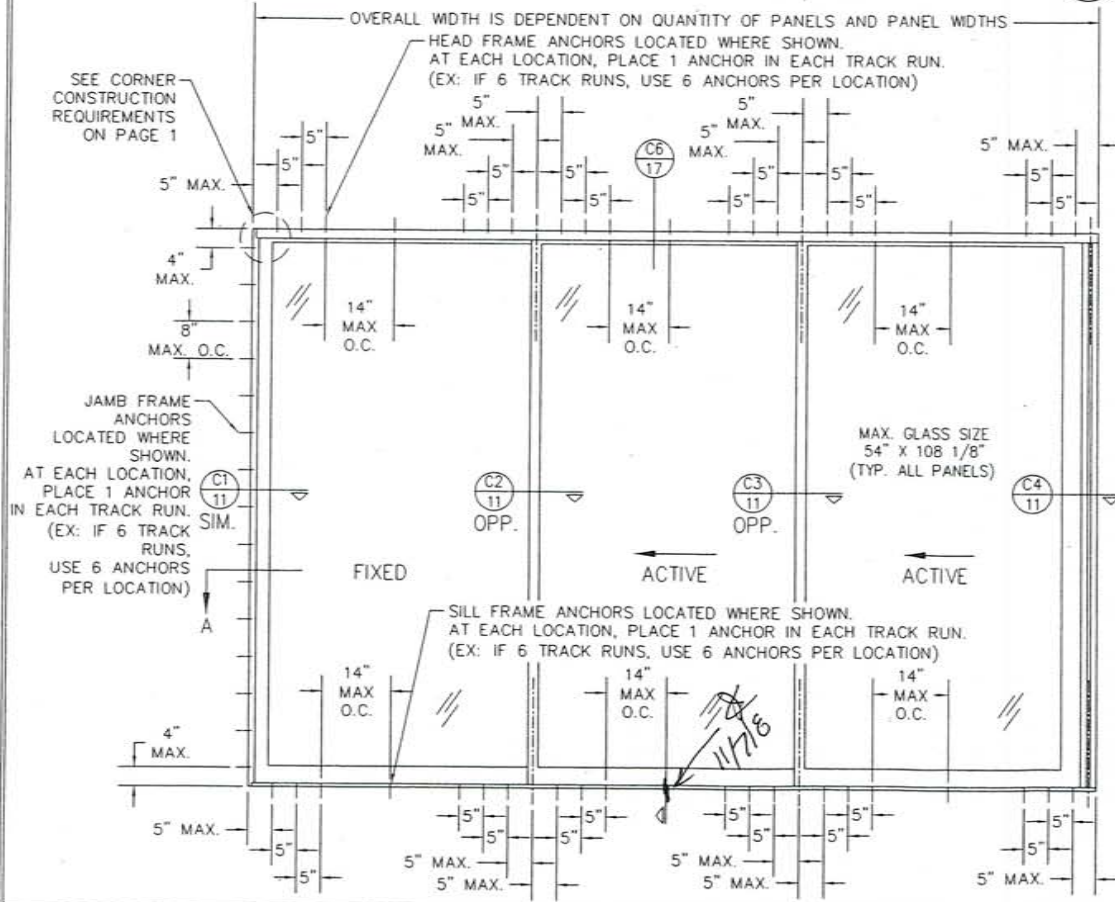
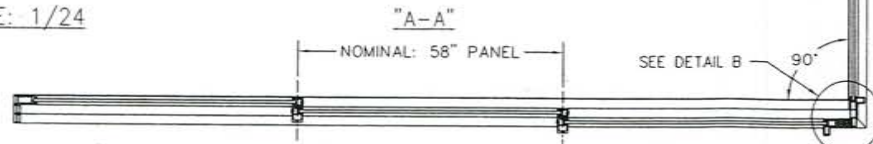
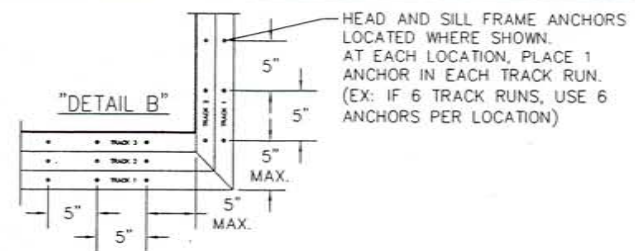
DRAWING NO.	REV.
HI CERT DADE 08	3
SHEET NO.	
3 OF 21	

EXTERIOR ELEVATION: TYPICAL POCKET DOOR CONDITION

3 PANEL + 1 PANEL SHOWN; ANY COMBINATION OF FIXED & OPERABLE IS APPLICABLE (THERE IS NO LIMIT TO NUMBER OF PANELS AT EITHER THE POCKET OR TRACK SIDE EXCEPT AS LIMITED BY THE OPENING SIZE.)

SCALE: 1/24

POCKET AREA UNDER SEPARATE APPROVAL



NO.	REVISION DESCRIPTION	BY	DATE
2	UPDATED PER DADE MARKUPS	MLP	07/25/08
3	UPDATED PER DADE MARKUPS	MLP	10/02/08

FLEETWOOD
 WINDOWS & DOORS
 P.O. BOX 1086 CORDONA, CA 92078
 951-278-1070

MANUFACTURER

NORWOOD 3070H 2008 DADE CERTIFICATION-SPECIMEN 3A/3B

CONSULTANTS

DRAWING TITLE: _____
 CONSULTANT: _____
 DATE: _____
 CHECKED BY: _____
 DATE: 04/02/08

DRAWING NO. HI CERT DADE 08
 REV 3
 SHEET NO. 4 OF 21

JOSEPH R. EVANS P.E.
 FL 46303
 1313 BURNSETT DR
 WINTER PARK, FL 32789
 407-644-3151
 10-10-08

EXTERIOR ELEVATION: TYPICAL CORNER DOOR CONDITION

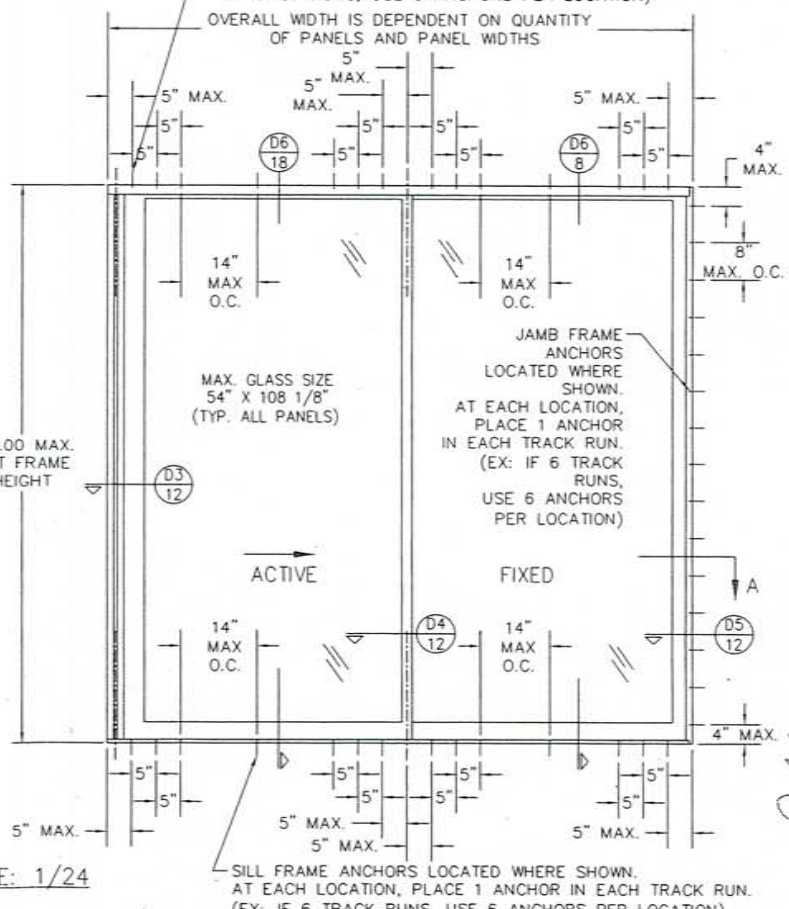
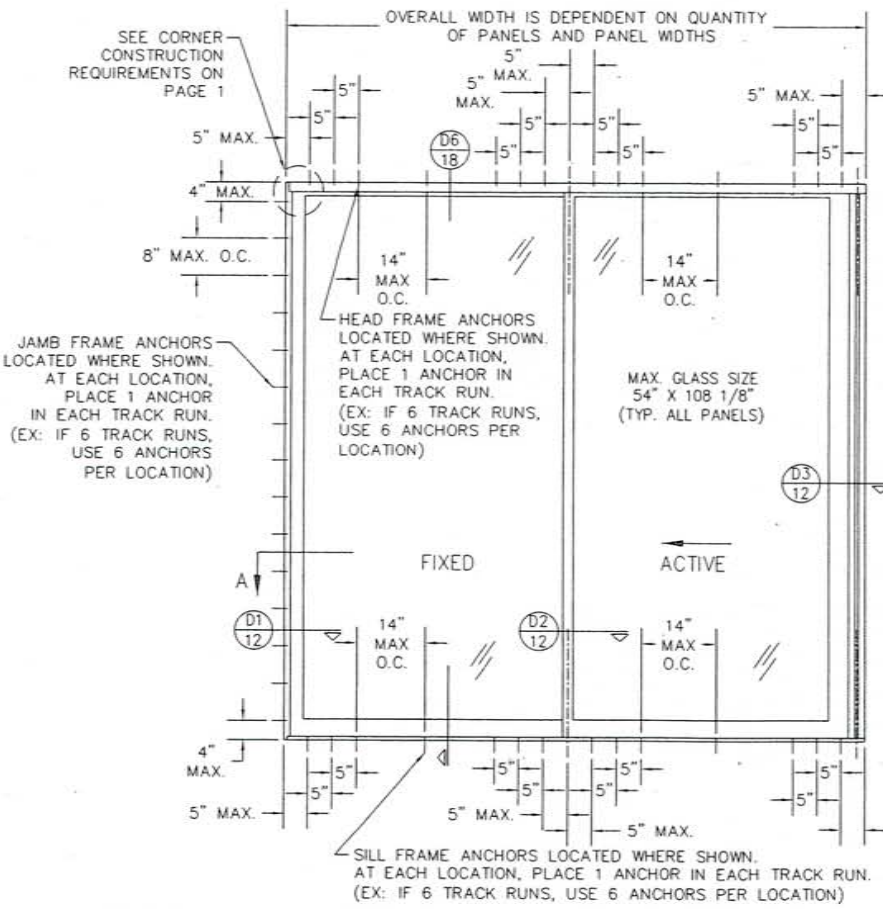
2 PANEL + 2 PANEL SHOWN; ANY COMBINATION OF FIXED & OPERABLE IS APPLICABLE (THERE IS NO LIMIT TO NUMBER OF PANELS AT EITHER THE POCKET OR TRACK SIDE EXCEPT AS LIMITED BY THE OPENING SIZE.)

SEE DETAIL B

"DETAIL B"

HEAD AND SILL FRAME ANCHORS LOCATED WHERE SHOWN. AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN. (EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

HEAD FRAME ANCHORS LOCATED WHERE SHOWN. AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN. (EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

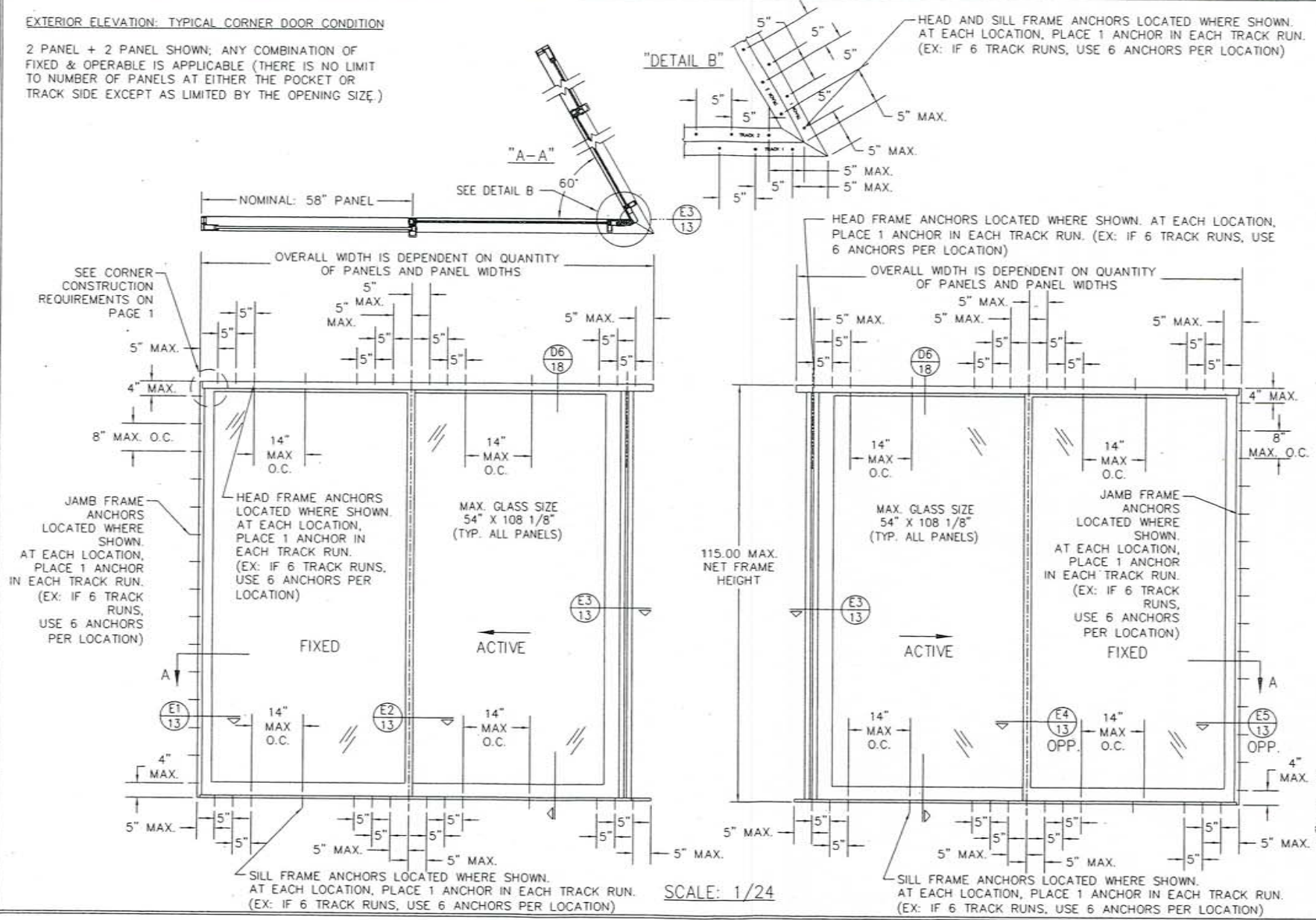


SCALE: 1/24

DRAWN BY: MDE	CHECKED BY:
DATE: 07/15/08	DATE: 04/02/08
BY: BLP	BY: BLP
DATE: 07/15/08	DATE: 10/02/08
REVISION DESCRIPTION	
1 UPDATED PER DATE MARKUPS	
2 UPDATED PER DATE MARKUPS	
3 UPDATED PER DATE MARKUPS	
<p>DRAWING TITLE: NORWOOD 3070H 2008 DADE CERTIFICATION-SPECIMEN 4A/4B</p> <p>CONSULTANTS</p> <p>MANUFACTURER: FLEETWOOD WINDOWS & DOORS P.O. BOX 1086 CORONA, CA 92878 951-278-1070</p>	
<p>DRAWING NO. 132V</p> <p>HI CERT DADE OR 33</p> <p>SHEET NO. 5 OF 21</p>	

EXTERIOR ELEVATION: TYPICAL CORNER DOOR CONDITION

2 PANEL + 2 PANEL SHOWN; ANY COMBINATION OF FIXED & OPERABLE IS APPLICABLE (THERE IS NO LIMIT TO NUMBER OF PANELS AT EITHER THE POCKET OR TRACK SIDE EXCEPT AS LIMITED BY THE OPENING SIZE.)



NO.	REVISION DESCRIPTION	DATE	BY	DATE	BY
2	UPDATED PER DDC MARIUPS	BLP 07/25/08	BLP	07/25/08	BLP
3	UPDATED PER DDC MARIUPS	BLP 10/02/08	BLP	10/02/08	BLP

NORWOOD 3070H 2008 DDC CERTIFICATION - SPECIMEN 5A/5B

FLEETWOOD
WINDOWS & DOORS
P.O. BOX 1008 CORONA, CA 92878
951-879-1070

MANUFACTURER

DRAWING TITLE: CONSULTANTS

CONSULTANT: GONDER, R. EVANS P.E.
FL #3792
1333 SUNSET DR.
WINTER PARK, FL 32789
407-944-8161
10-10-08

DRAWING NO.	REV
6 OF 21	3

SCALE: 1/24



"A-A"

EXTERIOR ELEVATION: TYPICAL DOOR
CONDITION (NON-CORNER)

3 PANEL SHOWN; ANY COMBINATION OF FIXED & OPERABLE IS APPLICABLE (THERE IS NO LIMIT TO NUMBER OF PANELS AT EITHER THE POCKET OR TRACK SIDE EXCEPT AS LIMITED BY THE OPENING SIZE.)

SEE CORNER CONSTRUCTION REQUIREMENTS ON PAGE 1

OVERALL WIDTH IS DEPENDENT ON QUANTITY OF PANELS AND PANEL WIDTHS

HEAD FRAME ANCHORS LOCATED WHERE SHOWN. AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN. (EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

JAMB FRAME ANCHORS LOCATED WHERE SHOWN. AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN. (EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

130.00 MAX. NET FRAME HEIGHT

JAMB FRAME ANCHORS LOCATED WHERE SHOWN. AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN. (EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

MAX. GLASS SIZE
54" X 123 1/8"
(TYP. ALL PANELS)

FIXED

FIXED

ACTIVE

SILL FRAME ANCHORS LOCATED WHERE SHOWN. AT EACH LOCATION, PLACE 1 ANCHOR IN EACH TRACK RUN. (EX: IF 6 TRACK RUNS, USE 6 ANCHORS PER LOCATION)

SCALE: 1/24

NO.	REVISION DESCRIPTION	DATE	BY	DATE	CHECKED BY:
2	UPDATED PER DATE MARKUPS	07/25/08	BLP	07/25/08	WJE
3	UPDATED PER DATE MARKUPS	10/02/08	BLP	10/02/08	

NORWOOD 3070H 2008 DADC CERTIFICATION-SPECIMEN 6

DRAWING TITLE: CONSULTANTS

MANUFACTURER

FLEETWOOD
WINDOWS & DOORS
P.O. BOX 1086 CORONA, CA 92678
951-279-1070

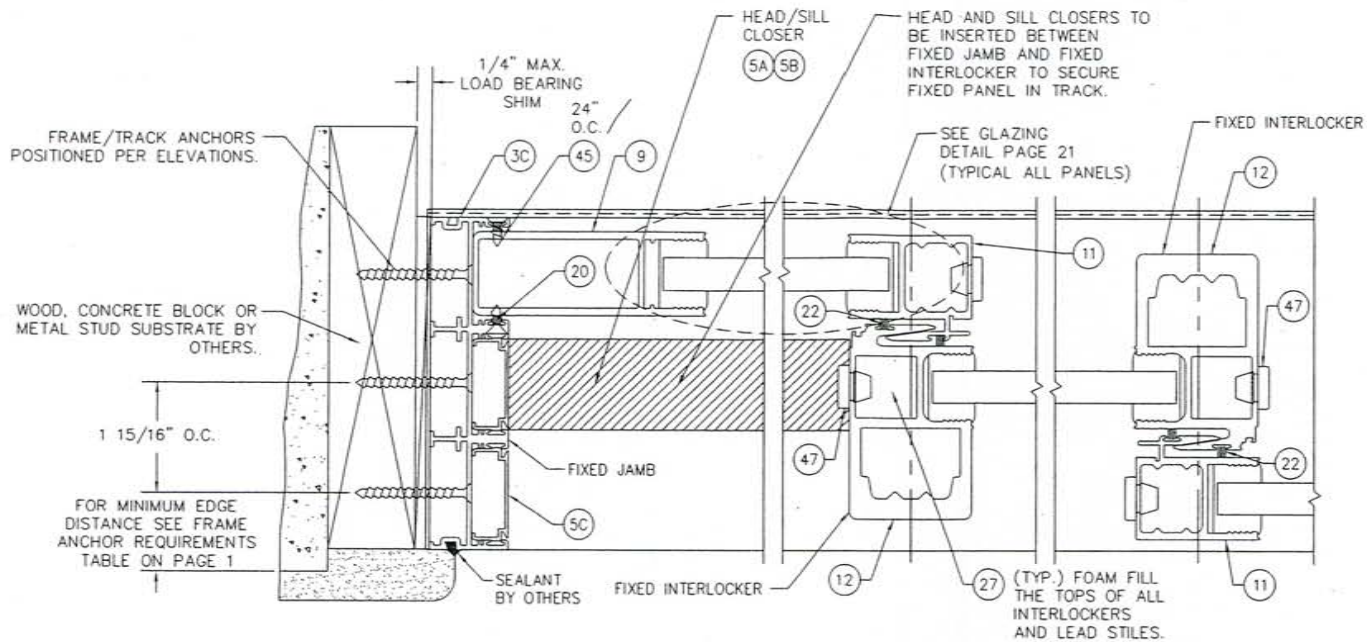
Joseph & Evans

JOSEPH & EVANS F.E.
FL #4293
1333 SUNSET DR.
WINTER PARK, FL 32789
407-644-5161

1070108

DRAWING NO. REV.
98 CERT DATE, 08 3

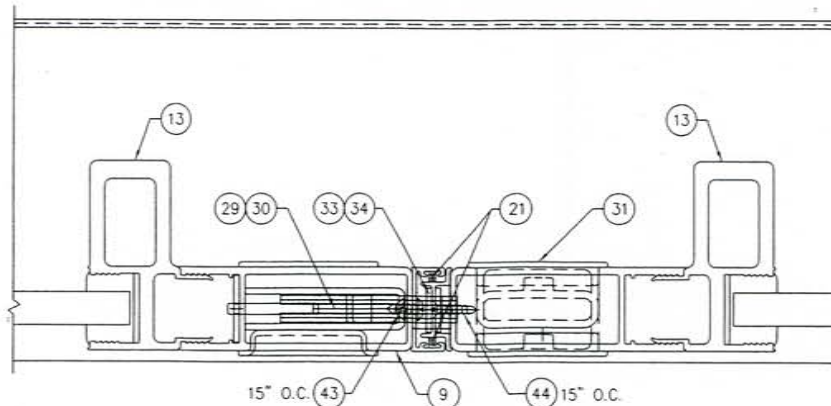
SHEET NO.
7 OF 21



A1 SECTION
8 SCALE: 1/2 FULL

A2 SECTION
8 SCALE: 1/2 FULL

A3 SECTION
8 SCALE: 1/2 FULL



A4 SECTION
8 SCALE: 1/2 FULL

NO.	REVISION DESCRIPTION	BY	DATE	DRAWN BY:	CHECKED BY:
2	UPDATED PER DAD MARKUPS	BLP	07/25/08	WIDE	DATE
3	UPDATED PER DAD MARKUPS	BLP	10/02/08		04/02/08

DRAWING TITLE: NORWOOD 3070H 2008 DAD CERTIFICATION SPECIMEN 1A/1B PLAN VIEW

CONSULTANTS

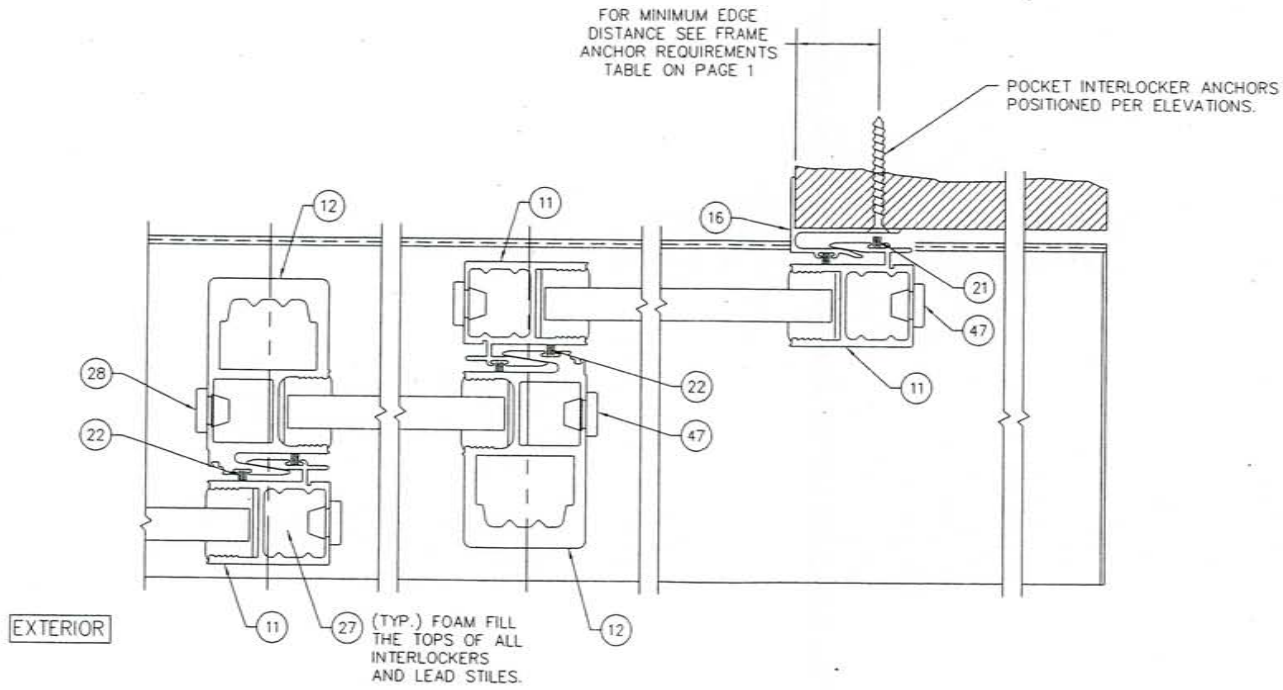
MANUFACTURER

FLEETWOOD
WINDOWS & DOORS
CHULA VISTA, CA 92018
P.O. BOX 991-279-1070

JOSEPH R. EVANS P.E.
FL #4392
1333 SUNSET DR
WINTER PARK, FL 32789
407-644-8151

10-10-08

DRAWING NO.	REV.
HI CERT UADE 03	3
SHEET NO.	8 OF 21



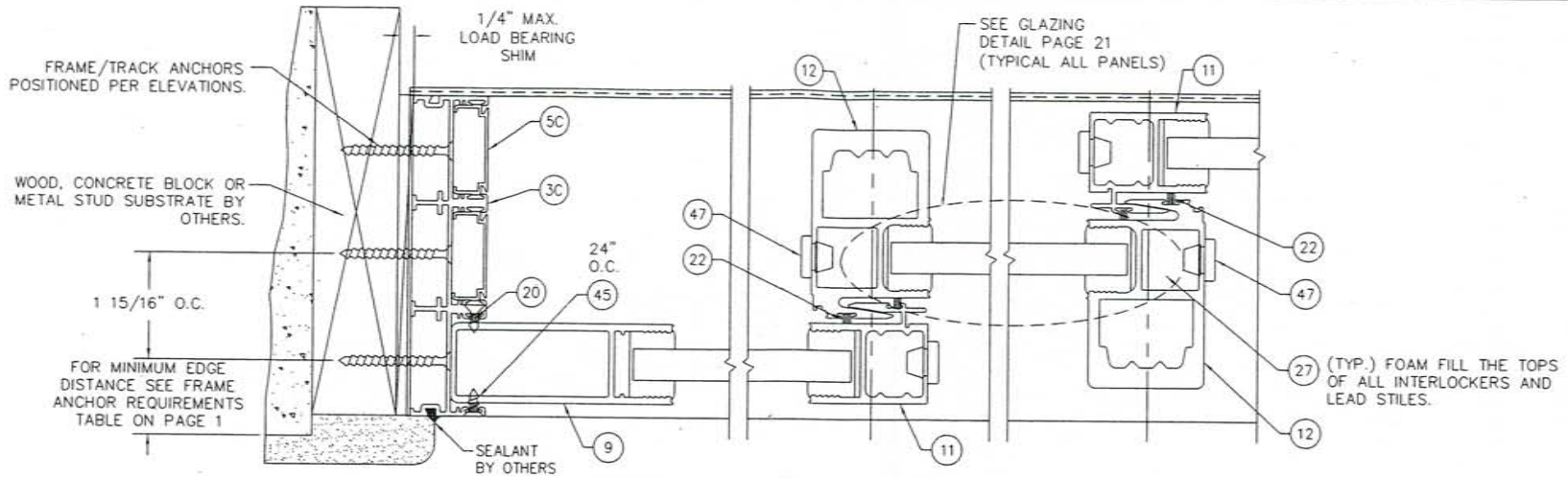
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9 SCALE: 1/2 FULL

A6 SECTION
9 SCALE: 1/2 FULL

A7 SECTION
9 SCALE: 1/2 FULL

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NO.	REVISION DESCRIPTION	BY	DATE
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3	UPDATED PER DAD MARKUPS	BLP	10/02/08
DRAWING TITLE: NORWOOD 3070H 2008 DAD CERTIFICATION SPECIMEN 1A/1B PLAN VIEW			
CONSULTANTS			
 FLEETWOOD WINDOWS & DOORS P. O. BOX 1086 CORONA, CA 92676 951-278-1070			
DRAWING NO. 10-10-08 HI CERT DADE 08 3 SHEET NO. 9 OF 21			

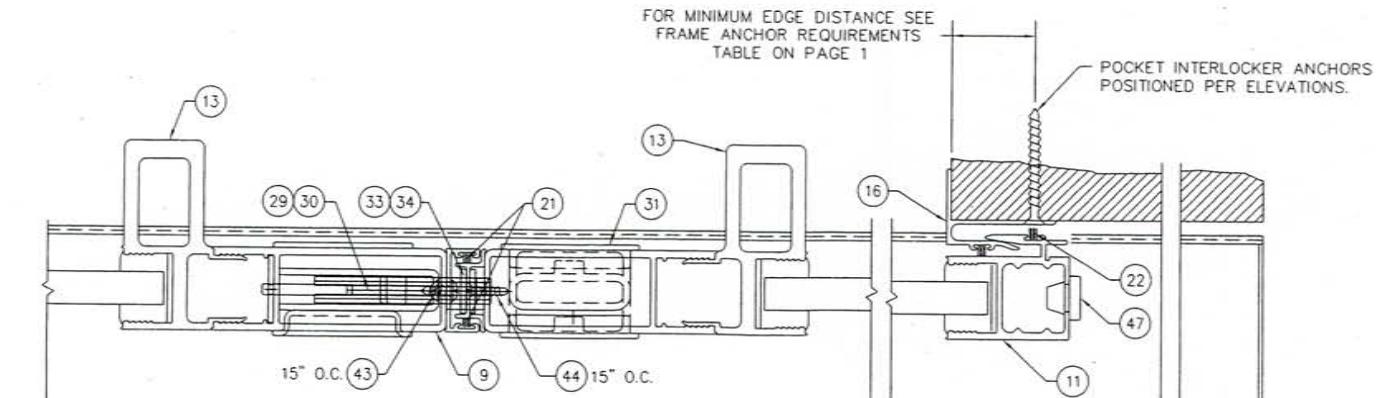
Joseph R. Evans
 JOSEPH R. EVANS P.E.
 FL #4392
 1333 SUNSET DR.
 WINTER PARK, FL 32789
 407-644-3161



(B1)
10 SECTION
SCALE: 1/2 FULL

(B2)
10 SECTION
SCALE: 1/2 FULL

(B3)
10 SECTION
SCALE: 1/2 FULL



EXTERIOR

(B4)
10 SECTION
SCALE: 1/2 FULL

(B5)
10 SECTION
SCALE: 1/2 FULL

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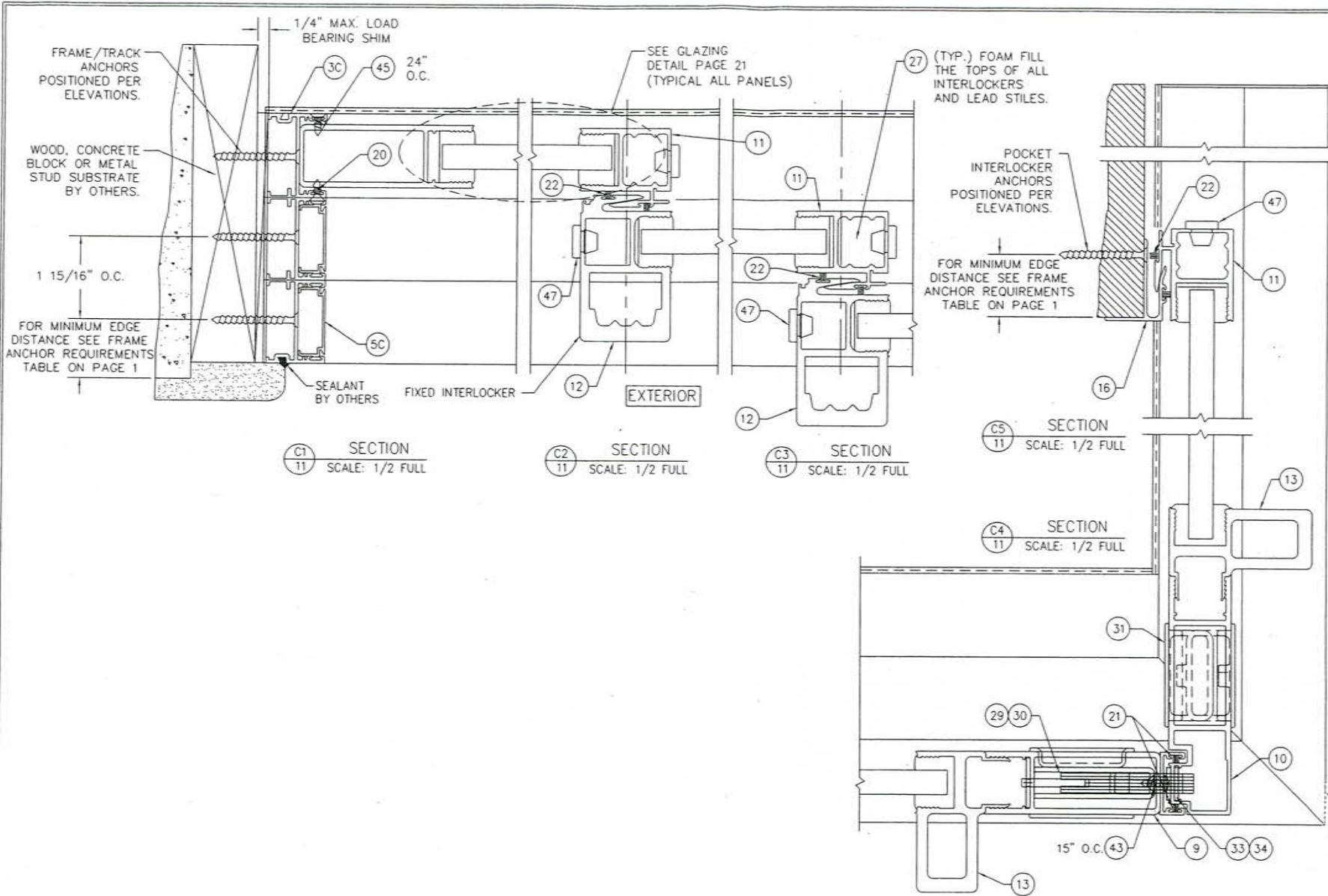
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CONSULTANTS

MANUFACTURER:
FLEETWOOD
WINDOWS & DOORS
10000 WILSON BLVD
SAN DIEGO, CA 92178
951-278-1070

JOSEPH R EVANS P.E.
FL #4392
1333 SUNSET DR
WINTER PARK, FL 32789
407-644-3161
10-710-08

DRAWING NO.: REV.
HI CERT DADE 08 3

SHEET NO.
10 OF 21



DRAWN BY:	MOE	CHECKED BY:	
DATE:	04/02/08	DATE:	
BY:	BLP 07/25/08	BY:	
REVISION DESCRIPTION:	BLP 10/02/08	REVISION DESCRIPTION:	
NO. 2	UPDATED PER DATE MARKUPS	NO. 3	UPDATED PER DATE MARKUPS

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CONSULTANTS

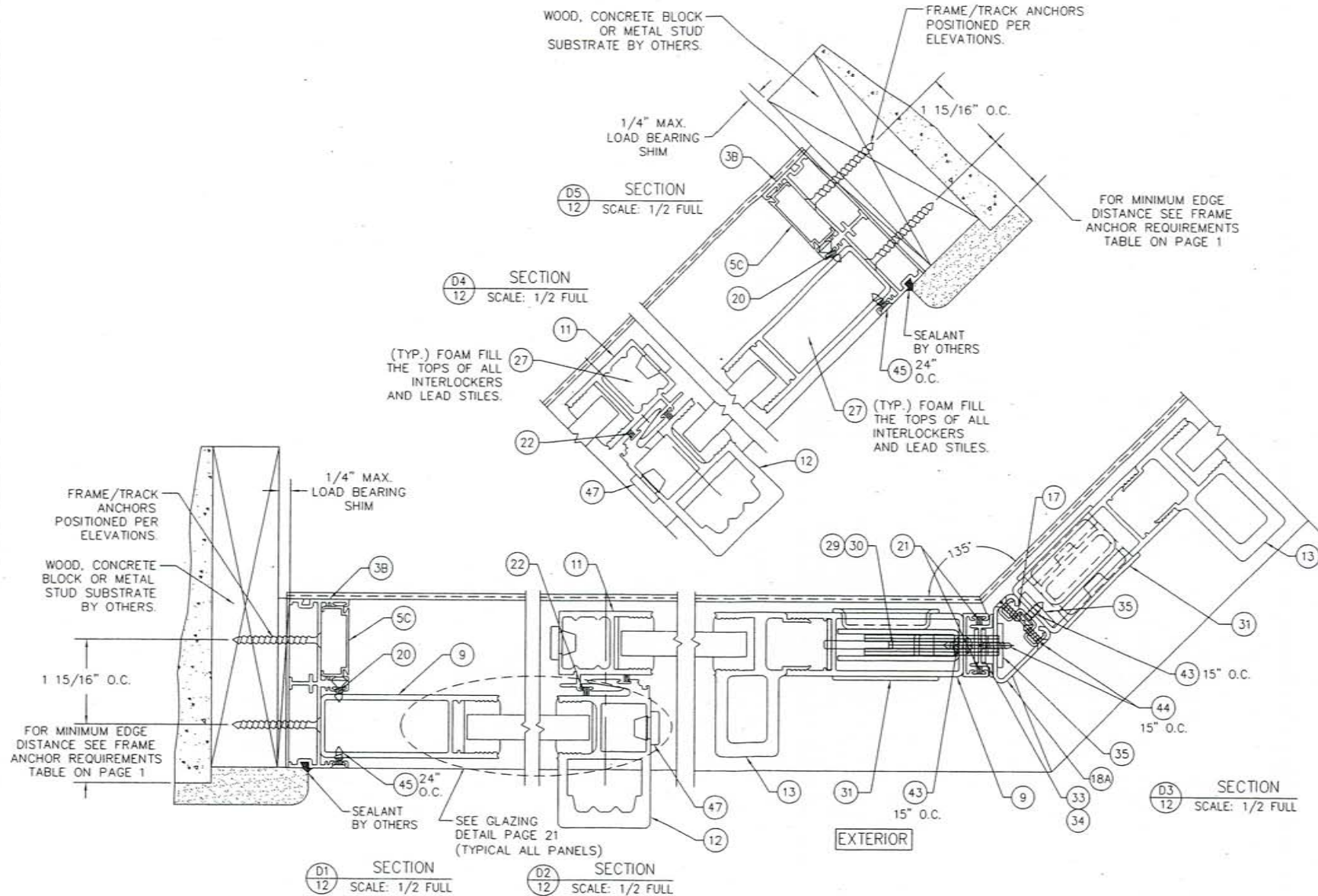
FLEETWOOD
WINDOWS & DOORS
P.O. BOX 1088 CORONA, CA 92878
951-279-1070

MANUFACTURER

JOSEPH R. EVANS P.E.
FL #41302
1333 SUNSET DR
WINTER PARK, FL 32789
407-644-8161

10-10-CB

DRAWING NO.:	REV.
11	3
SHEET NO.	
11	OF 21



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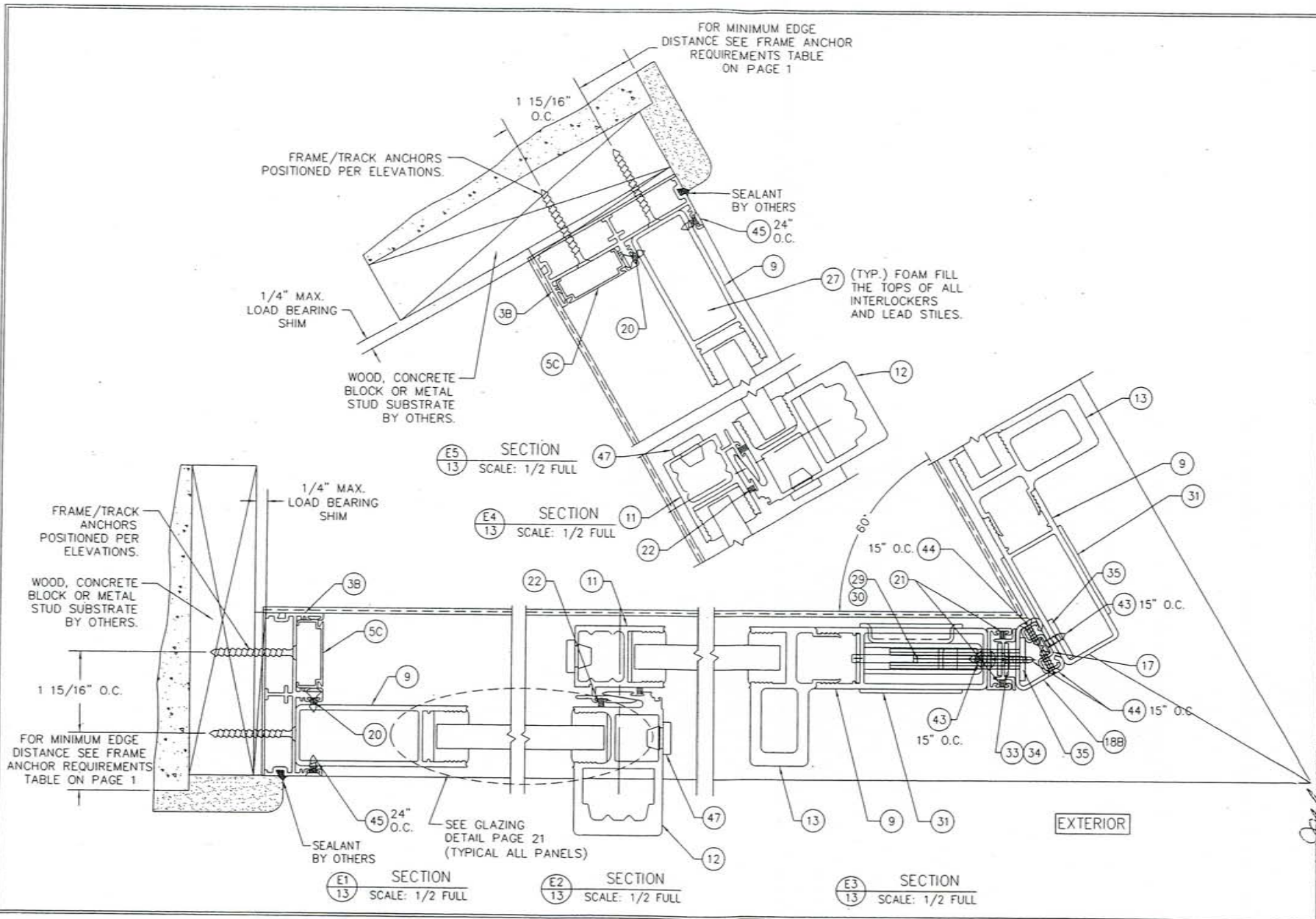
FLEETWOOD
 WINDOWS & DOORS
 P.O. BOX 1086 CORONA, CA 92878
 951-279-1070



DRAWING TITLE: NORWOOD 3070HI 2008 DATE CERTIFICATION SPECIMEN 4A/4B PLAN VIEW
 CONSULTANTS:

JOSEPH R. EVANS P.E.
 PL #4392
 1333 SUNSET DR.
 WINTER PARK, FL 32789
 407-644-8161
 10-10-08

DRAWING NO. REV.
 HI CERT DACE 08 3
 SHEET NO.
 12 OF 21



NO.	REVISION DESCRIPTION	BY	DATE	DRAWN BY	CHECKED BY
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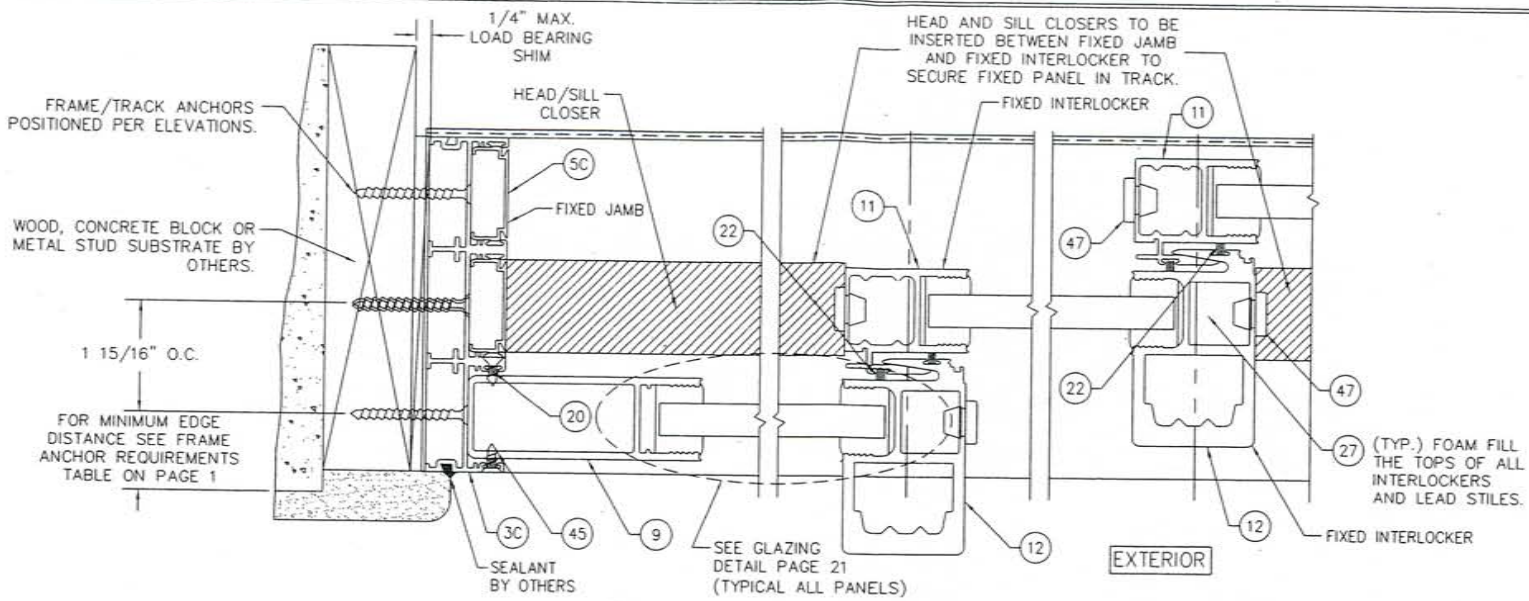
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 WINDOWS & DOORS
 1088 CORONA, CA 92070
 P.O. BOX 951-278-1070



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 CONSULTANTS

SEPHI X EVANS P.E.
 FL #4192
 1333 SUNSET DR
 WINTER PARK, FL 32789
 407-644-8161
 1070-208

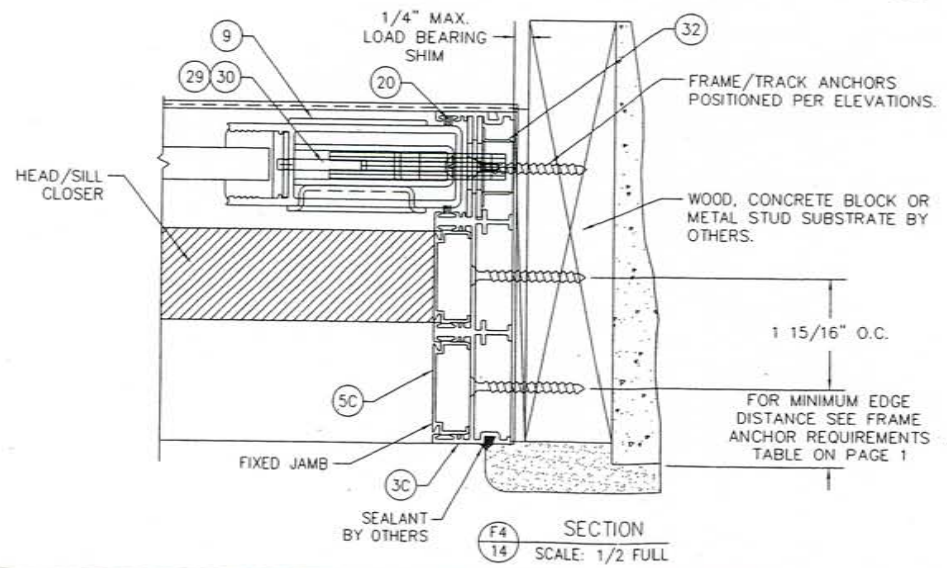
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SHEET NO.	
13 OF	21



F1 SECTION
14 SCALE: 1/2 FULL

F2 SECTION
14 SCALE: 1/2 FULL

F3 SECTION
14 SCALE: 1/2 FULL



F4 SECTION
14 SCALE: 1/2 FULL

NO.	REVISION DESCRIPTION	BY	DATE	CHECKED BY:	DATE
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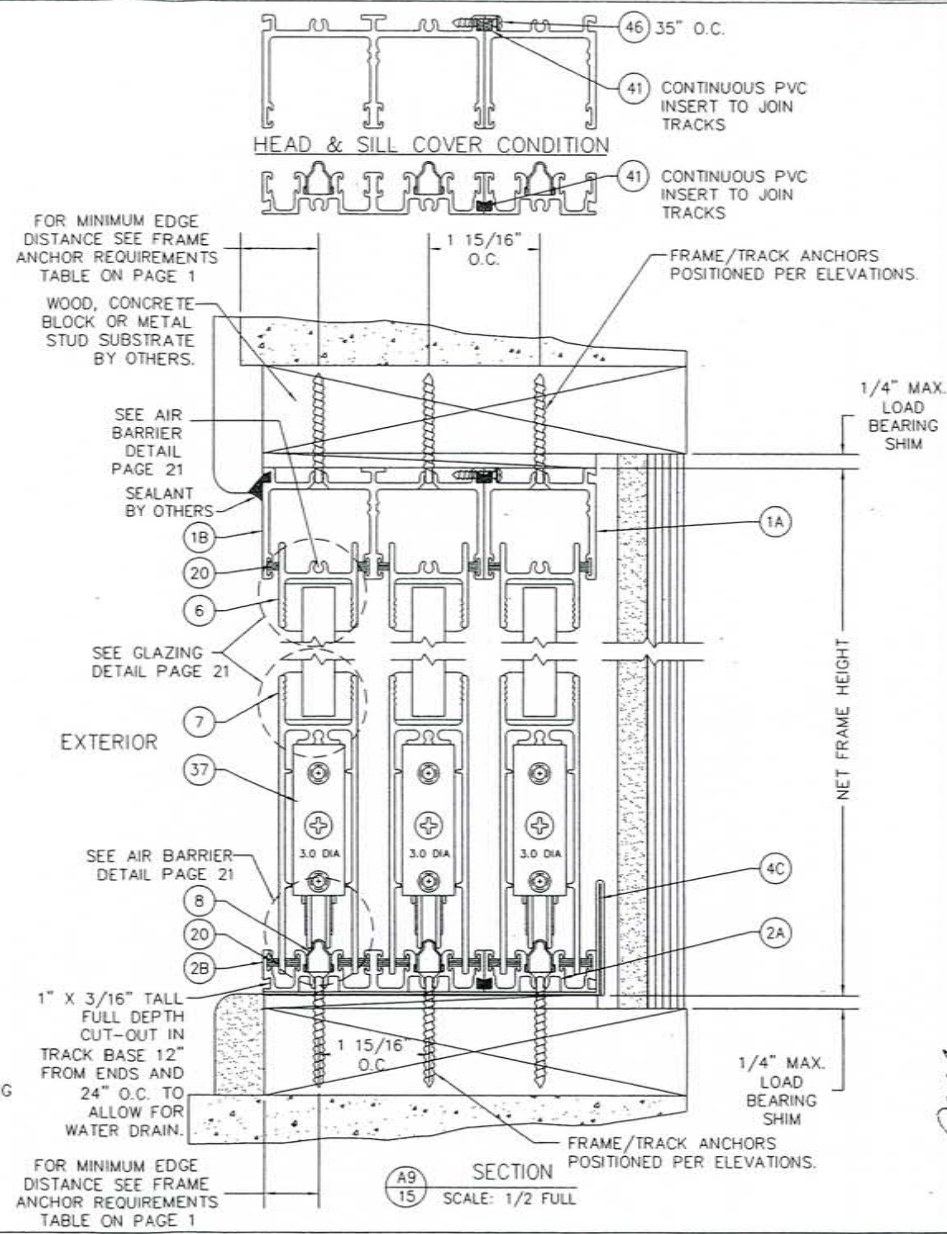
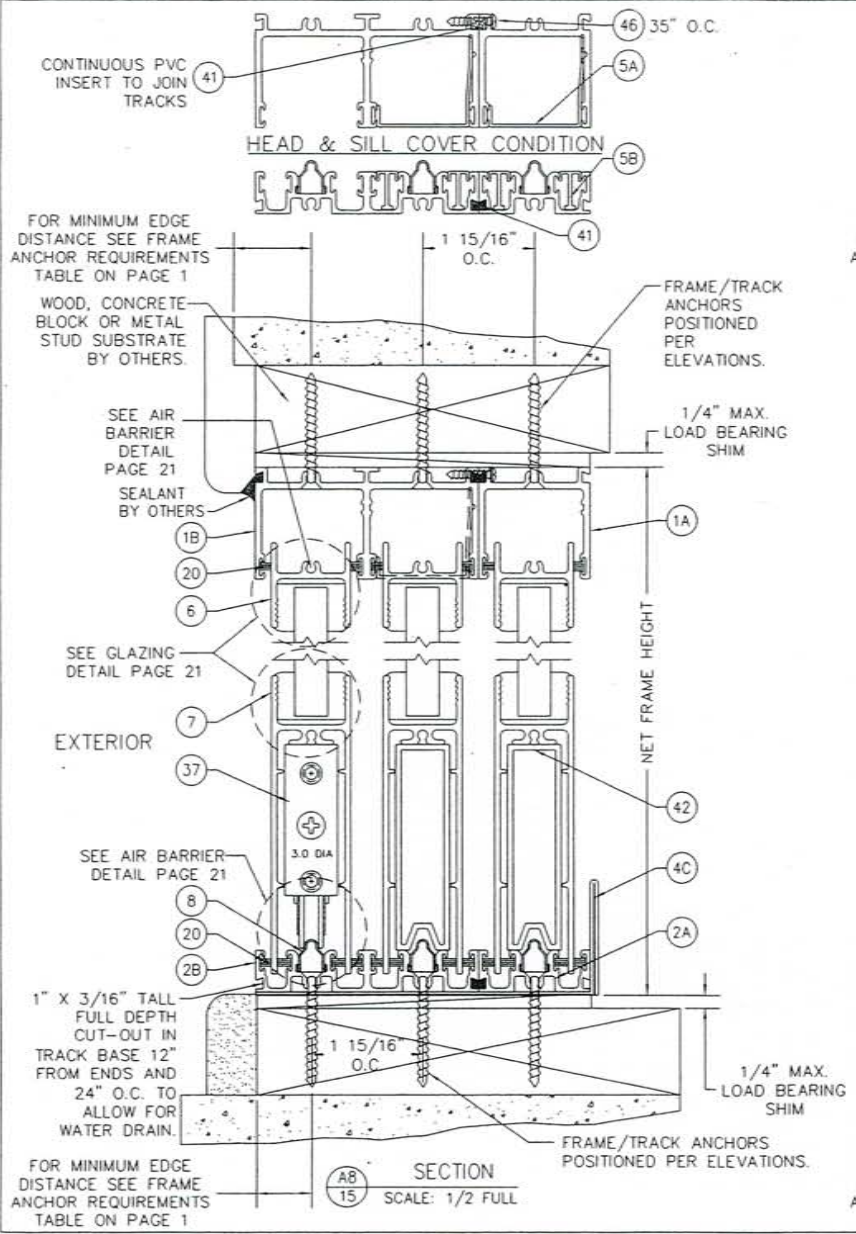
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CONSULTANTS

FLEETWOOD
WINDOWS & DOORS
P.O. BOX 1086 CORONA, CA 92878
951-279-1070

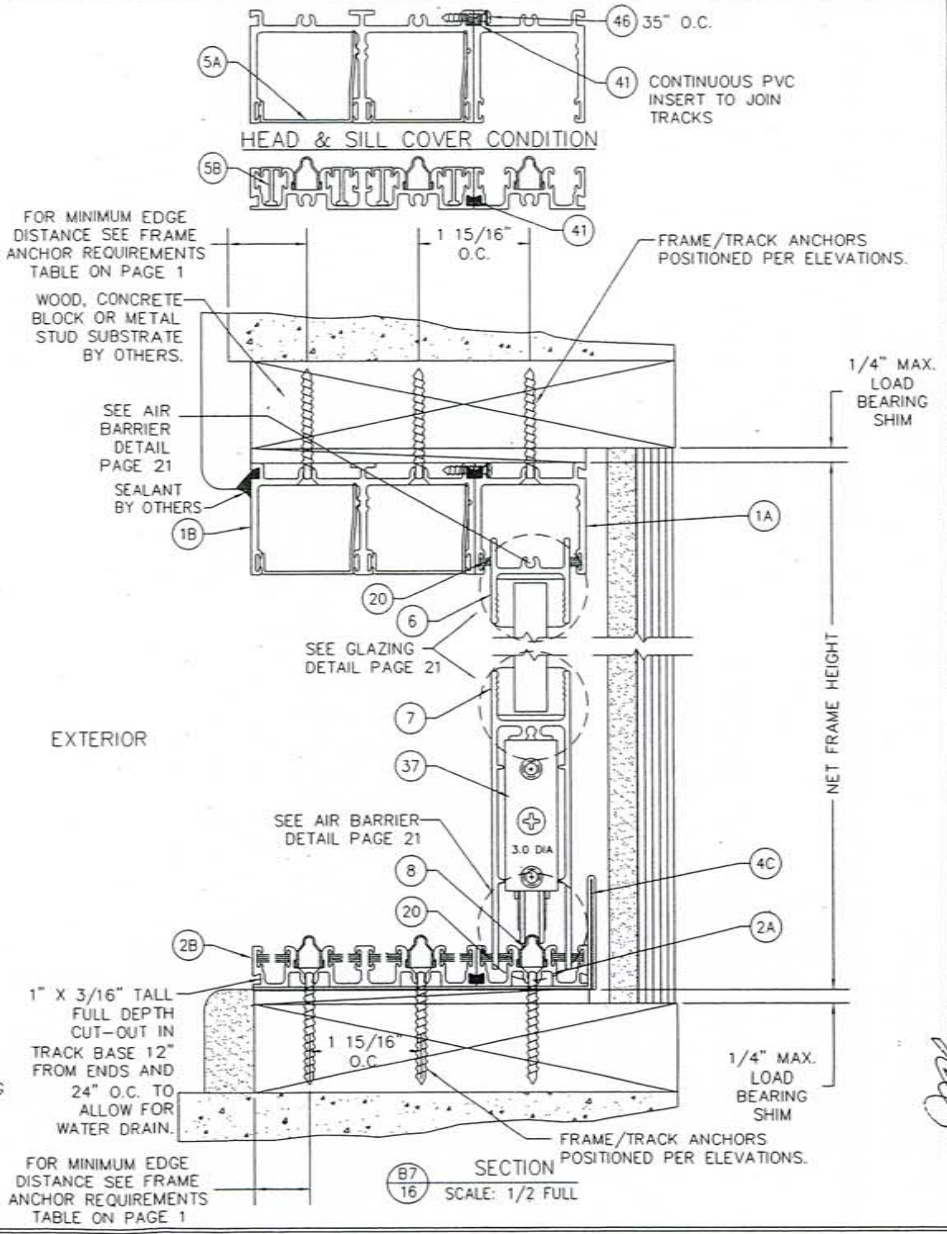
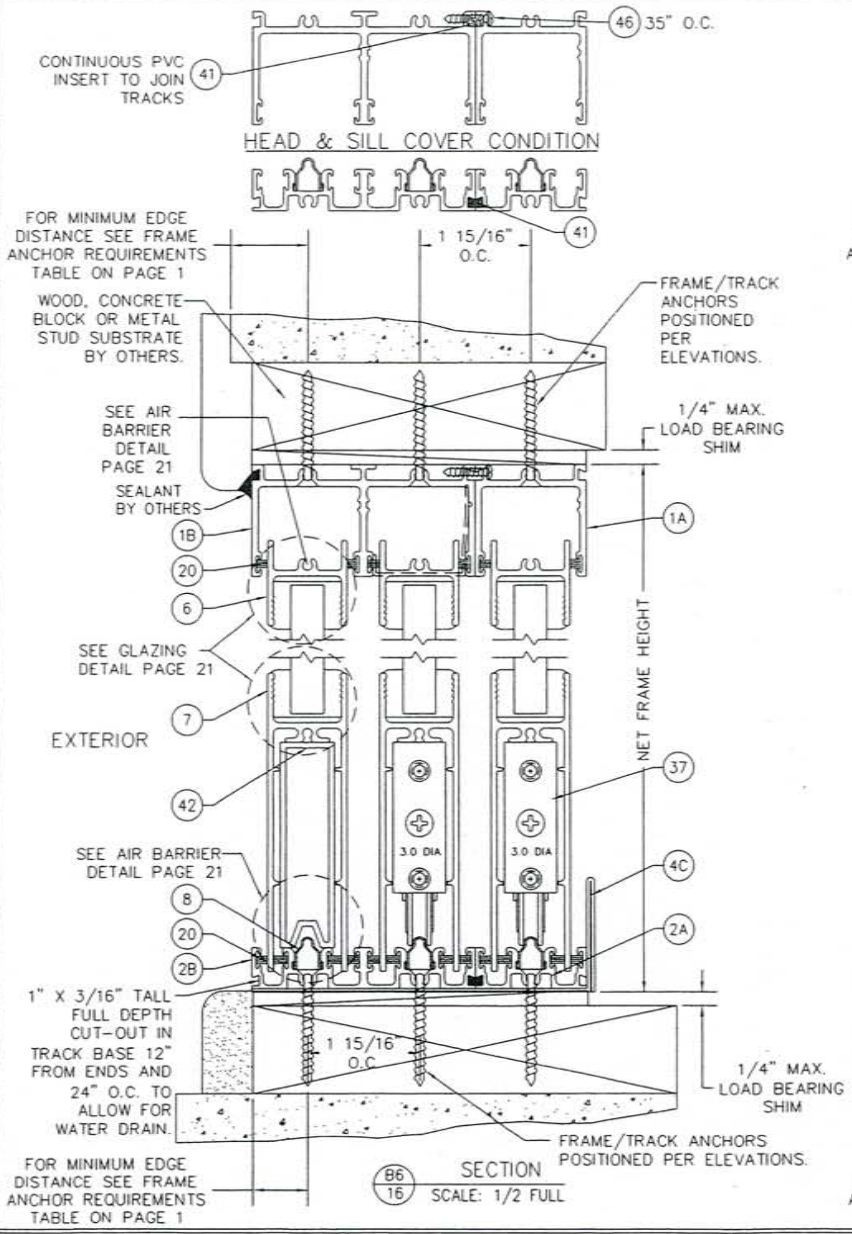
MANUFACTURER

JOSEPH R. EVANS P.E.
FL #4392
1333 SUNSET DR
WINTER PARK, FL 32789
407-644-8161
10-10-08

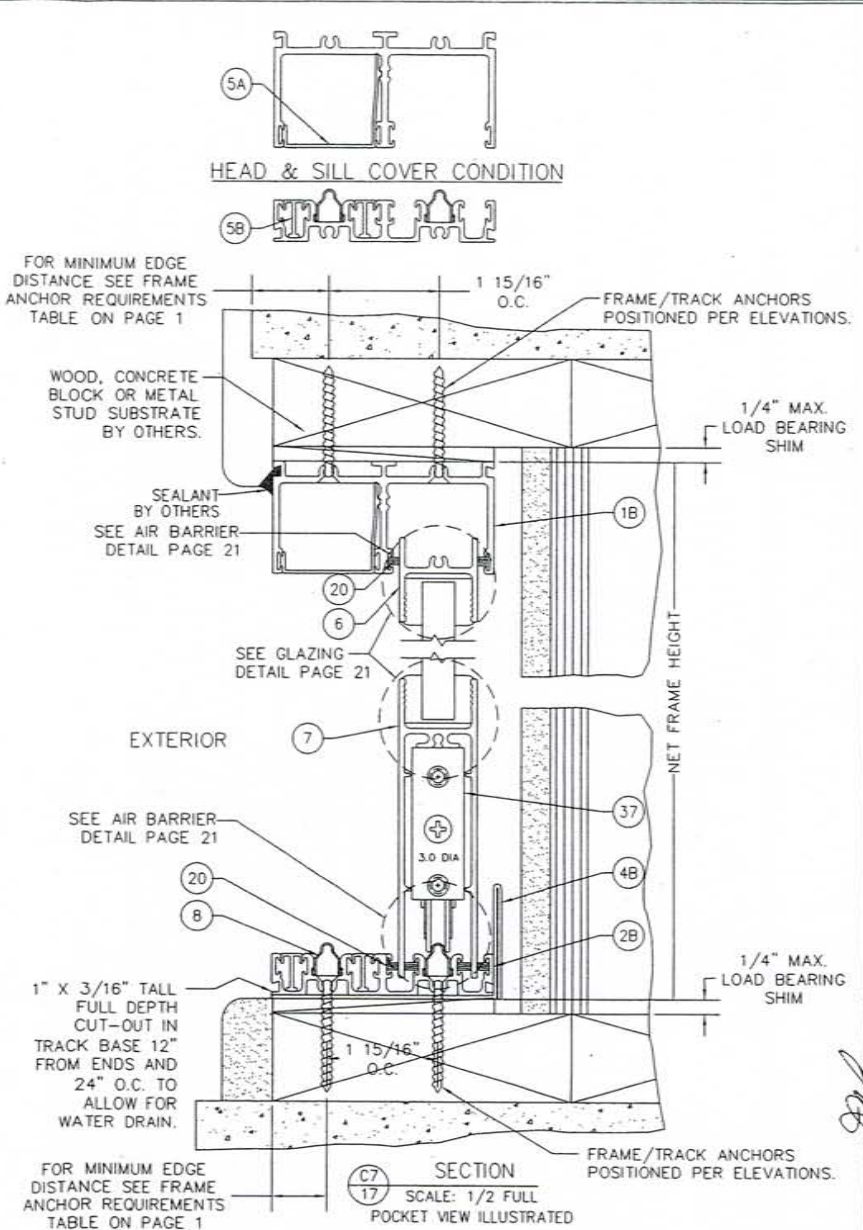
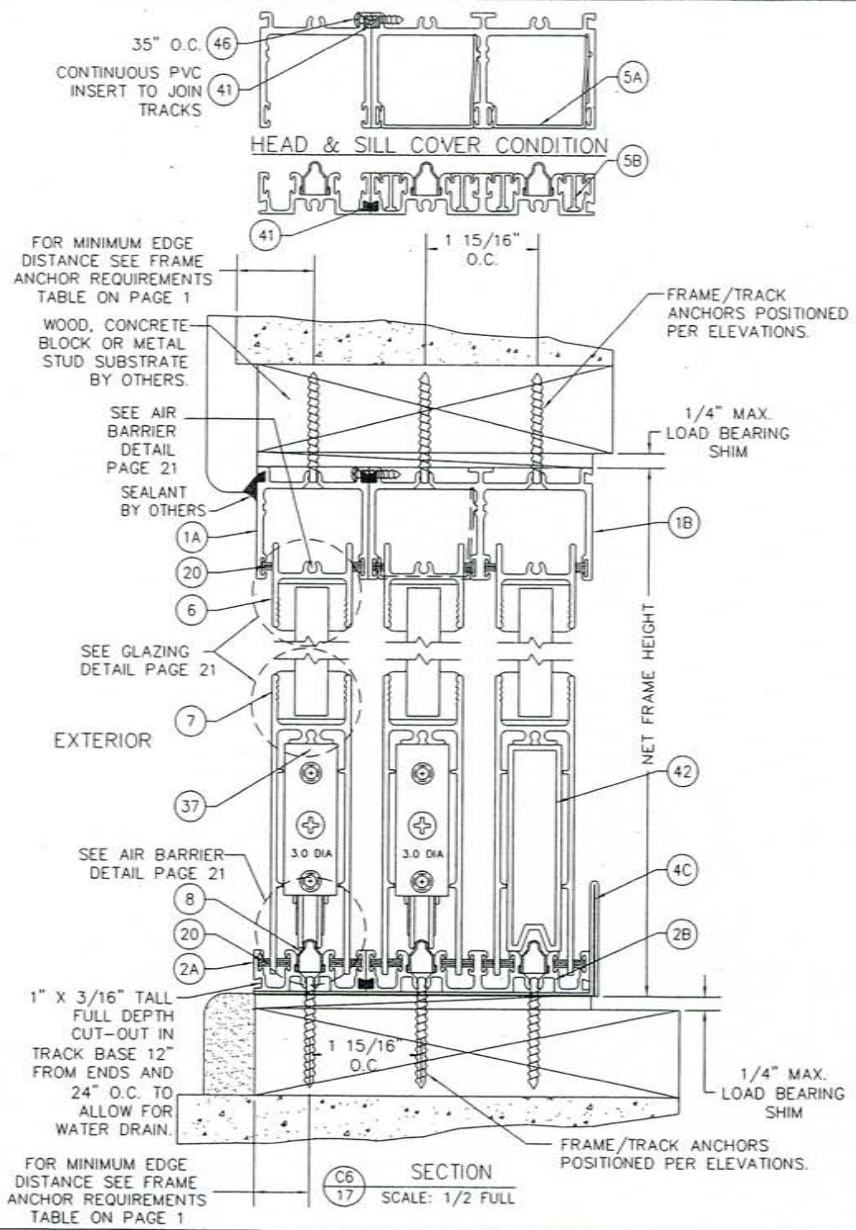
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SHEET NO.	14 OF 21



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DATE: 07/23/08	BY: BLP	DATE: 10/02/08	BY: BLP
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CONSULTANTS			
 FLEETWOOD WINDOWS & DOORS P.O. BOX 1086 CORONA, CA 92678 951-278-1070			
DRAWING NO. 133 SUNSET DR. WINTER PARK, FL 32789 407-644-8161 10-10-08			
SHEET NO. 15 OF 21			



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CONSULTANTS			
MANUFACTURER			
FLEETWOOD WINDOWS & DOORS P.O. BOX 1086 CORONA, CA 92878 951-279-1070			
DRAWING NO. REV			
H CERT DADE 3B 3			
SHEET NO.			
16 OF 21			



NO.	REVISION DESCRIPTION	DATE	BY	CHECKED BY:
2	UPDATED PER DATE MARKUPS	BLP 07/25/08	BLP	WCE
3	UPDATED PER DATE MARKUPS	BLP 10/02/08	BLP	

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CONSULTANTS:

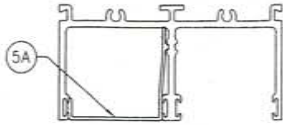
MANUFACTURER:

FLEETWOOD
WINDOWS & DOORS
P.O. BOX 1040 GORONA, CA 94978
951-270-1070

DRAWING NO. REV. 3
HI CERT DATE 08

JOSEPH R. EVANS P.L.
FL #4392
1333 SUNSET DR.
WINTER PARK, FL 32789
407-644-8161

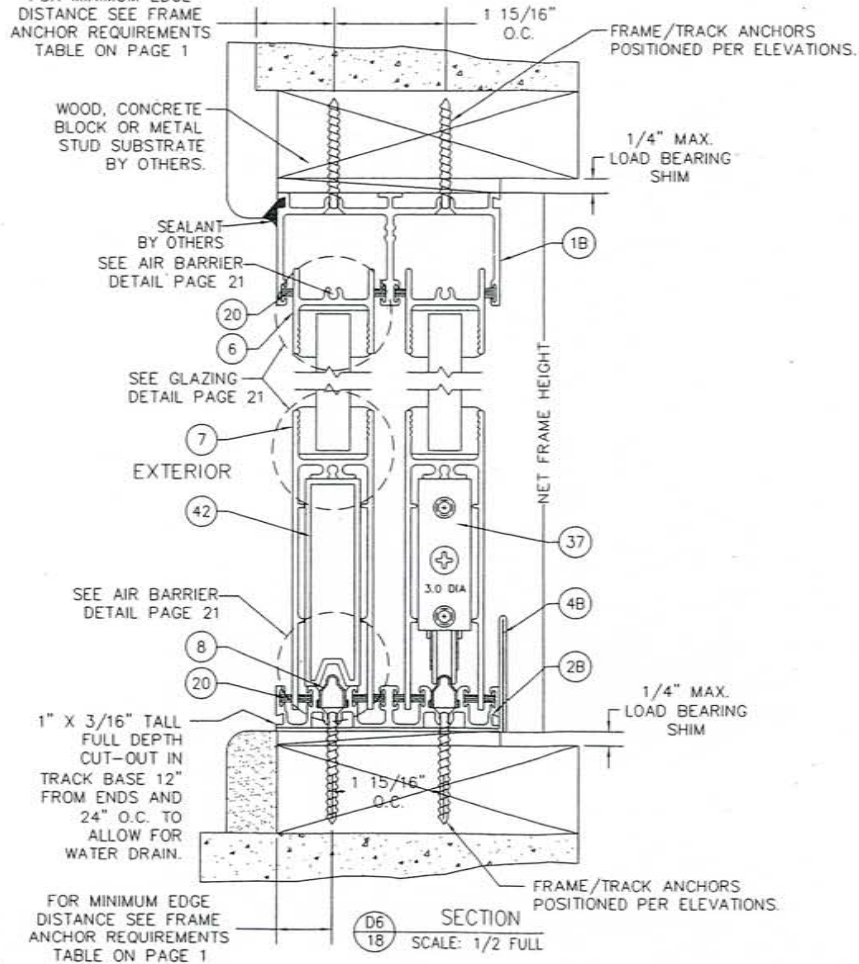
SHEET NO. 17 OF 21



HEAD & SILL COVER CONDITION



FOR MINIMUM EDGE
DISTANCE SEE FRAME
ANCHOR REQUIREMENTS
TABLE ON PAGE 1



SECTION
SCALE: 1/2 FULL

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CHECKED BY:
PLOT: DATE: 04/02/08

NO.	REVISION DESCRIPTION	BY	DATE
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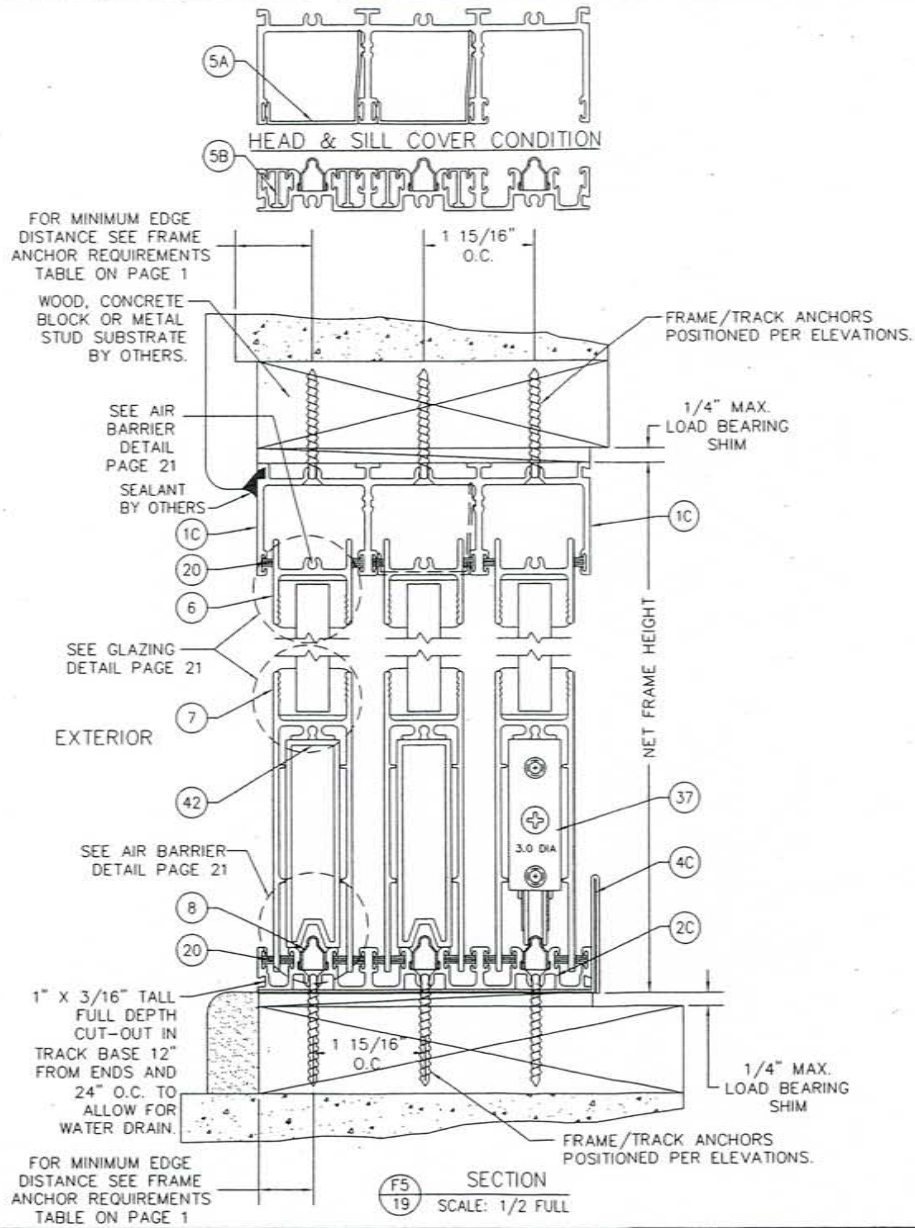
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CONSULTANTS

FLEETWOOD
WINDOWS & DOORS
WAYLAND, MASSACHUSETTS
P.O. BOX 1088, CORNOCK, CA 92018
951-279-1070

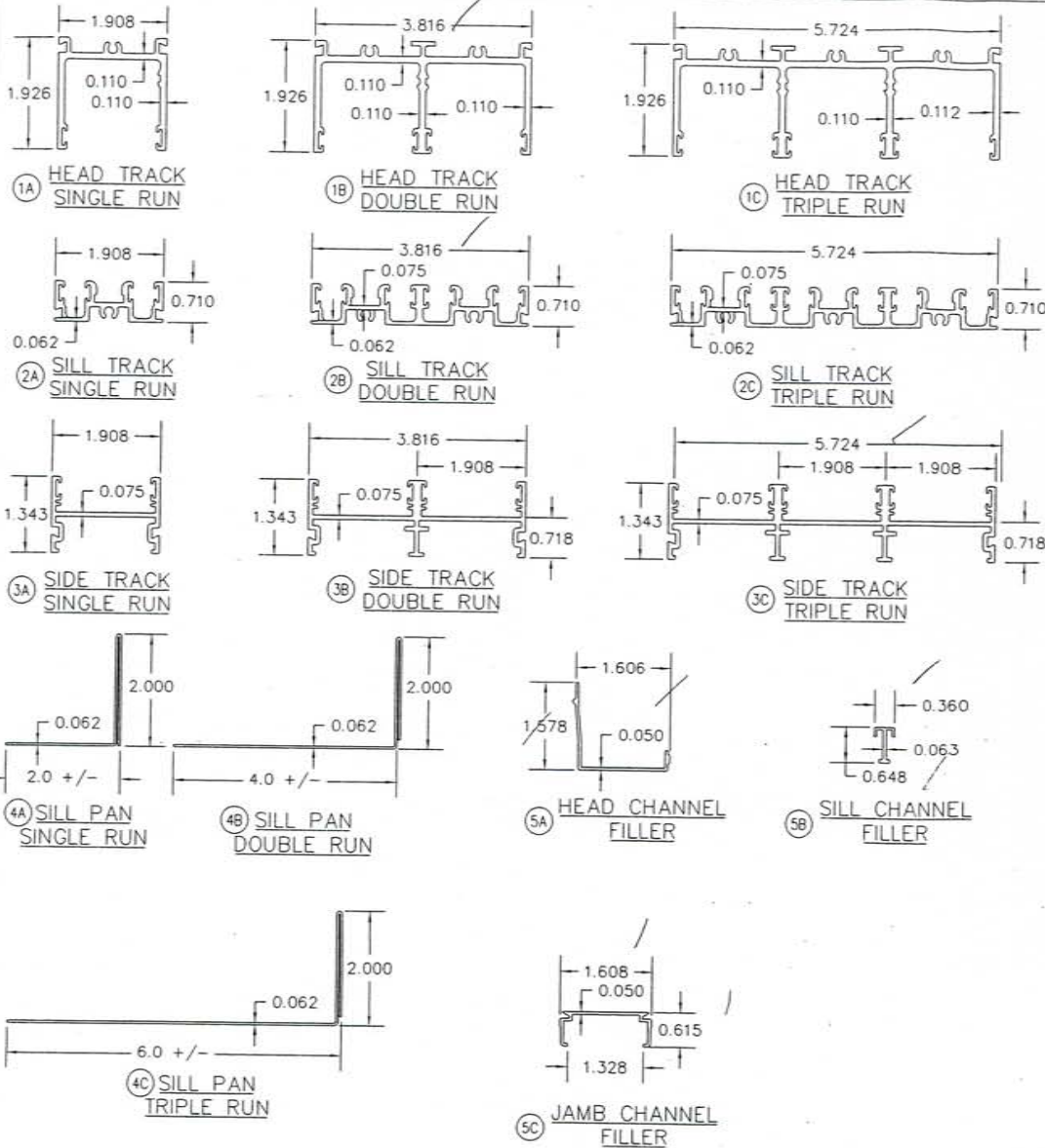


Joseph R. Evans
JOSEPH R. EVANS P.E.
FL #4392
1333 SUNSET DR.
WINTER PARK, FL 32789
407-664-8161
10-10-08

DRAWING NO. REV.
H CERT DAE USE 3
SHEET NO.
18 OF 21



DRAWN BY: HCE		CHECKED BY:	
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REVISION DESCRIPTION	BY	DATE	
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2 UPDATED PER DATE MARKUPS	BLP	10/02/08	
3			
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<p>MANUFACTURER:</p> <p>FLEETWOOD WINDOWS & DOORS P.O. BOX 1086 CORONA, CA 92878 951-279-1070</p>			
DRAWING NO.	REV.		
HI CERT DATE 08	3		
SHEET NO.	19	OF	21



ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1A	3046	HEAD TRACK (1 RUN)	6063-T6 ALUMINUM - EXTRUDED
1B	3702	HEAD TRACK (2 RUNS)	6063-T6 ALUMINUM - EXTRUDED
1C	3703	HEAD TRACK (3 RUNS)	6063-T6 ALUMINUM - EXTRUDED
2A	3741	SILL TRACK (1 RUN)	6063-T6 ALUMINUM - EXTRUDED
2B	3742	SILL TRACK (2 RUNS)	6063-T6 ALUMINUM - EXTRUDED
2C	3743	SILL TRACK (3 RUNS)	6063-T6 ALUMINUM - EXTRUDED
3A	3048	JAMB TRACK (1 RUN)	6063-T6 ALUMINUM - EXTRUDED
3B	3712	JAMB TRACK (2 RUNS)	6063-T6 ALUMINUM - EXTRUDED
3C	3713	JAMB TRACK (3 RUNS)	6063-T6 ALUMINUM - EXTRUDED
4A	3720	SILL PAN (SINGLE RUN)	5052 ALUMINUM
4B	3720	SILL PAN (DOUBLE RUN)	5052 ALUMINUM
4C	3720	SILL PAN (TRIPLE RUN)	5052 ALUMINUM
5A	3011	HEAD CHANNEL FILLER	6063-T6 ALUMINUM - EXTRUDED
5B	3747	SILL CHANNEL FILLER	6063-T6 ALUMINUM - EXTRUDED
5C	3710	JAMB CHANNEL FILLER	6063-T6 ALUMINUM - EXTRUDED
6	3004	STANDARD TOP RAIL	6063-T6 ALUMINUM - EXTRUDED
7	3027	STANDARD BOTTOM RAIL	6063-T6 ALUMINUM - EXTRUDED
8	FW-1020	TRACK	302 STAINLESS STEEL
9	3767	STANDARD LEAD/FIXED STILE	6063-T6 ALUMINUM - EXTRUDED
10	3771	90° CORNER LOCK STILE	6063-T6 ALUMINUM - EXTRUDED
11	3006	STANDARD INTERLOCK STILE	6063-T6 ALUMINUM - EXTRUDED
12	3034	HIGH PERFORMANCE INTERLOCK STILE	6063-T6 ALUMINUM - EXTRUDED
13	3715	WINDLOAD ADAPTER	6063-T6 ALUMINUM - EXTRUDED
14	3039	MALE YOKE	6063-T6 ALUMINUM - EXTRUDED
15	3040	FEMALE YOKE	6063-T6 ALUMINUM - EXTRUDED
16	3730	POCKET INTERLOCKER	6063-T6 ALUMINUM - EXTRUDED
17	3740	ADAPTER, MEETING STILE	6063-T6 ALUMINUM - EXTRUDED
18A	FW1097	135° YOKE	5052-H32 ALUMINUM
18B	FW1136	160° YOKE	5052-H32 ALUMINUM
SEALS & SEALANTS			
20	-	CENTER-FIN WEATHERSEAL 290 HIGH PILE	AMESBURY 43629-270
21	-	CENTER-FIN WEATHERSEAL 230 HIGH PILE	AMESBURY 43623-270
22	-	HEAVY DENSITY WEATHERSEAL 300 HIGH PILE	AMESBURY 413330-270
23	-	SEALANT	DOW CORNING 995
24A	FW-1138	6" AIR BARRIER FOR HP INTERLOCKER	RYKO AND SCHLEGEL
24B	FW-1139	6" AIR BARRIER FOR STD INTERLOCKER	RYKO AND SCHLEGEL
25	FW-1137	AIR BARRIER SILL	PEMKO
26	FW-1123	AIR BARRIER HEAD	PEMKO
27	-	SPRAY FOAM	-
HARDWARE			
29	117-101	PRIMARY LATCH	FLEETWOOD
30	117-102	SECONDARY LATCH	FLEETWOOD
31	117-106	HANDLE SET	FLEETWOOD
32	1059-1	STRIKE PLATE ASSY.(JAMB)	FLEETWOOD
33	3764	STRIKE PLATE(MALE YOKE)	FLEETWOOD
34	3765	STRIKE PLATE BACKUP(MALE YOKE)	FLEETWOOD
35	FW-1120	YOKE ADAPTER BACKUP PLATE	FLEETWOOD
36	FW-1120	MALE YOKE BACKUP PLATE	FLEETWOOD
37	FW-1042	MAMMOTH ROLLER ASSEMBLY	FLEETWOOD
MISCELLANEOUS			
40	-	4" LONG SETTING BLOCK	AS REQD
41	R10882	PVC M/S TRACK CONNECTOR	RYKO
42	3762	PANEL SETTING BLOCK	6063-T6 ALUMINUM
43	-	NO.8 X 1/2" PHND SMS 15° O.C.	STAINLESS STEEL
44	-	NO.8 X 3/4" SMS 15° O.C.	STAINLESS STEEL
45	-	#8 TEX X 1/2" 2-1/4" O.C.	STAINLESS STEEL
46	-	NO.8 X 3/4" PHND SMS 35° O.C.	STAINLESS STEEL
47	-	PANEL BUMPER	FLEETWOOD

DRAWN BY: [Signature] DATE: 04/02/08
 CHECKED BY: [Signature] DATE: 04/02/08

NO. REVISION DESCRIPTION
 1 DATE: 07/25/08
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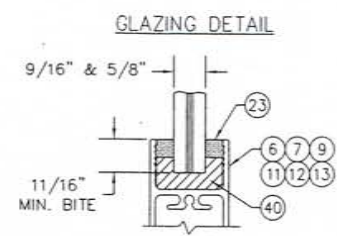
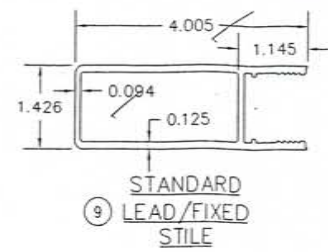
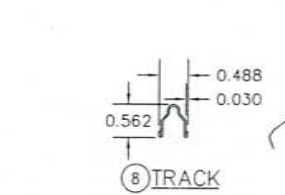
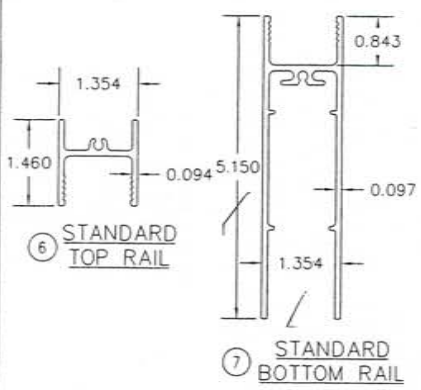
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CONSULTANTS: [Signature]

MANUFACTURER: **FLEETWOOD**
 WINDOWS & DOORS
 P.O. BOX 1088 CORONA, CA 92878
 951-270-1070

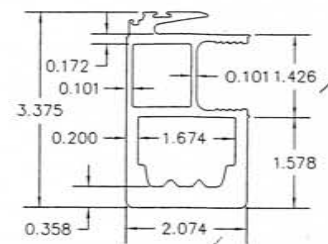
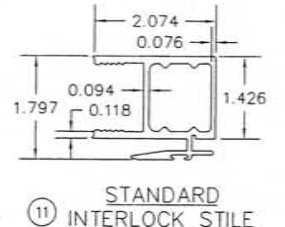
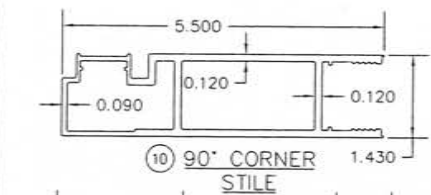
DRAGGING NO. 10-10-08
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SHEET NO. 20 OF 21

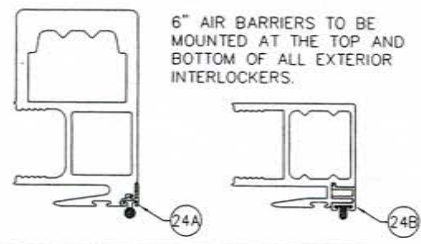
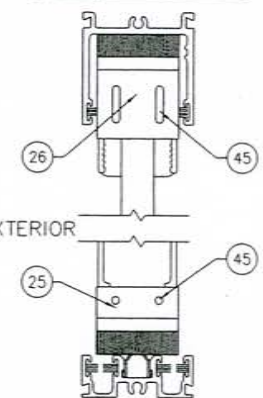


TYPE "A" = NOMINAL 5/8" THICK LAMINATED GLASS CONSISTING OF:
 0.220" HEAT-STRENGTHENED GLASS,
 0.100" SAFETY PLUS II INTERLAYER,
 0.220" HEAT-STRENGTHENED GLASS
 MANUFACTURED BY GLASSLAM INTERNATIONAL.

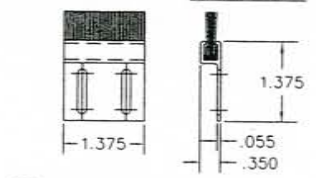
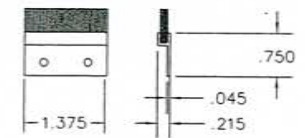
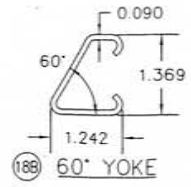
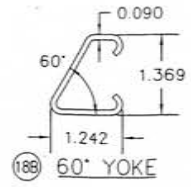
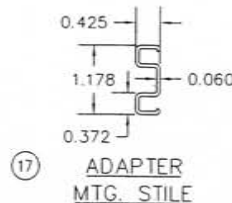
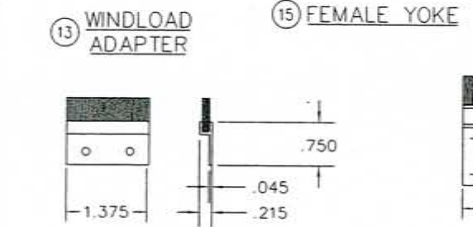
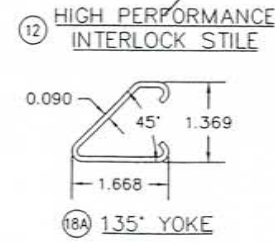
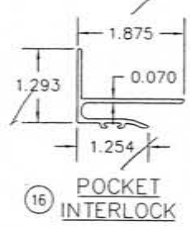
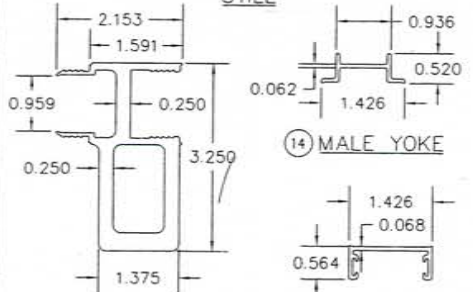
TYPE "B" = NOMINAL 9/16" THICK LAMINATED GLASS CONSISTING OF:
 0.220" HEAT-STRENGTHENED GLASS,
 0.075" VENCEVA™ COMPOSITE (VS-XX) INTERLAYER BY SOLUTIA INC.,
 0.220 HEAT-STRENGTHENED GLASS
 MANUFACTURED BY OLDCASTLE GLASS INCORPORATED.



**AIR BARRIER DETAIL
(TYP.) ALL PANELS**



6" AIR BARRIERS TO BE MOUNTED AT THE TOP AND BOTTOM OF ALL EXTERIOR INTERLOCKERS.



25 AIR BARRIER (SILL)

26 AIR BARRIER (HEAD)

DRAWN BY:		CHECKED BY:	
WJE		DA/02/08	
PLOT:		DATE:	
BLP 07/25/08		10/02/08	
NO.	REVISION DESCRIPTION	BY	DATE
1	UPDATED PER DATE MARKUPS	BLP	10/02/08
2	UPDATED PER DATE MARKUPS	BLP	10/02/08
3	UPDATED PER DATE MARKUPS	BLP	10/02/08

DRAWING TITLE: NORWOOD 3070H 2008 DATE CERTIFICATION BILL OF MATERIALS
 CONSULTANTS
 MANUFACTURER

FLEETWOOD
 WINDOWS & DOORS
 P.O. BOX 1086 CORONA, CA 92876
 951-279-1070

Joseph R. Evans
 JOSEPH R. EVANS P.E.
 FL #4392
 133 SUNSET DR
 WINTER PARK, FL 32789
 407-644-8161
 10-10-08

DRAWING NO.	REV
HI CERT	DATE OR
3	
SHEET NO.	
21 OF 21	