MIAMI-DADE COUNTY

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.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Florida Coastal Protective Manufacturing
6950 N. W. 37th Court
Miami, Florida 33147

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 "2007" Aluminum Sliding Glass Door (Steel reinforced)-L. M. Impact

APPROVAL DOCUMENT: Drawing No. **07-110,** titled "2007" Sliding Glass Door", sheets 1 thru 16 of 16, prepared by Tilteco, Inc., dated 06/08/07, signed and sealed by Walter A. Tillit, 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 Missile Impact Resistant

Limitation: Full length Steel reinforcements at interlocks & astragal stile are required. Overall sill flange height=3.125" w/ sill riser for 15 psf for water infiltration resistant

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.**

PRODUCT CONTROL ACCEPTED

7/30/07

Florida Coastal Protective Manufacturing

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No. **07-110,** titled "2007" Sliding Glass Door", sheets 1 thru 16 of 16, prepared by Tilteco Inc., dated 06/08/07, 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
   5) Small 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 aluminum sliding door, prepared by Fenestration Testing Laboratory Inc, Test Report No(s). **FTL 5090 (07020)**, dated 04/17/07, signed & sealed by Michael Wenzel, P.E.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2004, dated April 04, 2007, prepared, signed and sealed by Walter A. Tillit fer, P.E.,
2. Anchor calculations & structural analysis, dated 04-04-2007, prepared Tilteco Inc, signed and sealed by Walter A. Tillit, P.E.
3. Glazing complies with ASTME-1300-02

D. QUALITY ASSURANCE BY:

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **03-0415.01** issued to Solutia, for "Vanceva™", expiring on 12/11/2008.
2. Notice of Acceptance No. **06-1205.10** issued to E.I. DuPont DeNemours, for "DuPont SentryGlas ® Plus", expiring on 01/14/2008

F. STATEMENTS

1. Statement anchor verification, complying w/ FBC-2004, dated 06-07-2007, prepared, signed and sealed by Walter A. Tillit, P. E.
2. Statement letters of conformance and "No financial interest", both dated April 04, 2007, signed and sealed by Walter A. Tillit, P.E.
3. Statement of compliance, issued as part of the above referenced test report issued by Fenestration Testing Laboratory, Inc.

G. OTHER

1. None

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 07-0416.02
Expiration Date: February 08, 2012
Approval Date: August 16, 2007

GENERAL NOTES:

1. SLIDING GLASS DOOR LARGE MISSILE IMPACT RESISTANT, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE W/ THE 2005 AND 2006 SUPPLEMENTS.
SLIDING GLASS DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.
DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. 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. A DURATION FACTOR C_D= 1.60 WAS USED TO VERIFY FASTENERS IN WOOD.
THIS WINDOW'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER F.T.L. LAB REPORT # 5090 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1612 OF THE FLORIDA BUILDING CODE.

2. MAXIMUM DESIGN PRESSURE RATINGS FOR THESE DOORS SHALL BE AS SHOWN ON SHEETS 3, 4 & 5.

3. THIS SLIDING GLASS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

4. THIS SLIDING GLASS DOOR IS APPROVED FOR AIR AND WATER INFILTRATION.

5. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY AND TEMPER, WITH Fy= 25.0 ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.

6. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.

7. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G = 0.55.

8. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.
(A) TO EXISTING POURED CONCRETE: (Min. f'c = 3.192 ksi), MIN. EDGE DISTANCE = 2 1/2".
– 1/4"ø TAPCON W/ 1 3/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC (COMPONENT (28)), THRU 1" P.T. WOOD BUCK.

(B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK WALL. MIN. EDGE DISTANCE = 2 1/2".
– 1/4"ø TAPCON W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW BUILDEX, INC (COMPONENT (28)), THRU 1" P.T. WOOD BUCK.

(C) TO EXISTING 2x P.T. WOOD BUCK. MIN. EDGE DISTANCE = 1".
– 1/4"ø KWIK-FLEX ANCHORS W/ 1 1/2" MIN. EMBEDMENT, AS MANUFACTURED BY HILTI, INC. (COMPONENT (22)).

(D) TO EXISTING MIN. ⅛" THICK ALUMINUM TUBE (6063-T5 ALLOY) MIN. EDGE DISTANCE = 1/2".
– 1/4"ø-20 KWIK-FLEX, MIN. 1 1/2" LONG, AS MANUFACTURED BY HILTI (COMPONENT (22)).

(E) TO EXISTING MIN. 12 GAGE STEEL MEMBER (ASTM A-500, A-653 OR A-36) MIN. EDGE DISTANCE = 1/2".
– 1/4"ø-20 KWIK-FLEX, MIN. 1 1/2" LONG, AS MANUFACTURED BY HILTI (COMPONENT (22)).

9. PROVIDE 1/4" MAX. SHIM SPACE (TYP.).

10. REMAINING COMPONENTS FOR THIS SLIDING GLASS DOOR SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS, SHEET 15 OF THIS DRAWING.

11. SLIDING GLASS DOOR MANUFACTURER LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:

FLORIDA COASTAL PROTECTIVE MFG. INC.
HIALEAH, FLORIDA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

12. (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) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

Approved as complying with the
Florida Building Code
Date AUGUST 23, 2007
NOA# 07-0621.06
Miami Dade Product Control
Division
By Shaq I. Chand

REVIEWED FOR CODE COMPLIANCE

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

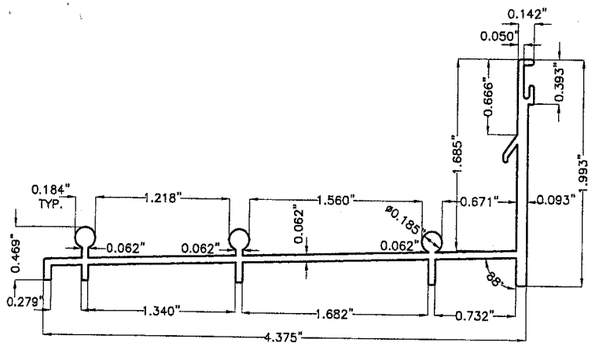
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

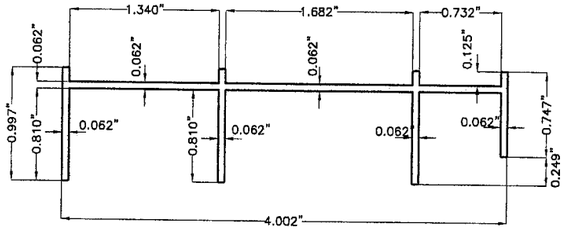
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 1 OF 16



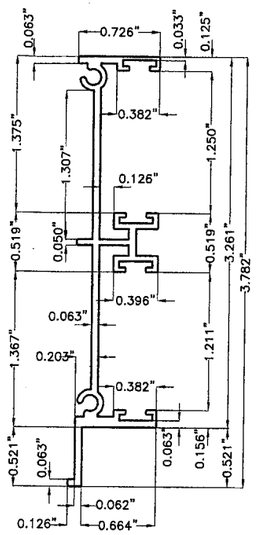
① FRAME SILL
(FSP 023)

SCALE 3/4"=1" / 6063-T6 ALLOY



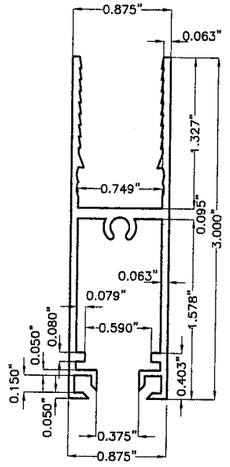
② FRAME HEAD
(FSP 024)

SCALE 3/4"=1" / 6063-T6 ALLOY



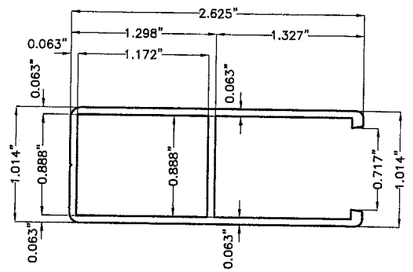
③ FRAME JAMB
(FSP 025)

SCALE 3/4"=1" / 6063-T6 ALLOY



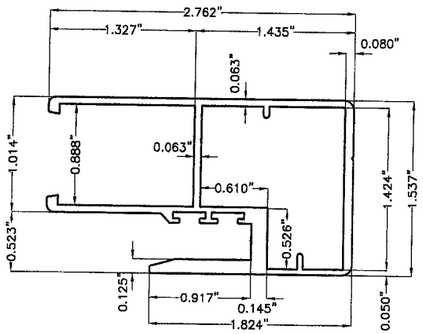
④ TOP AND BOTTOM RAIL
(FSP 026)

SCALE 3/4"=1" / 6063-T6 ALLOY



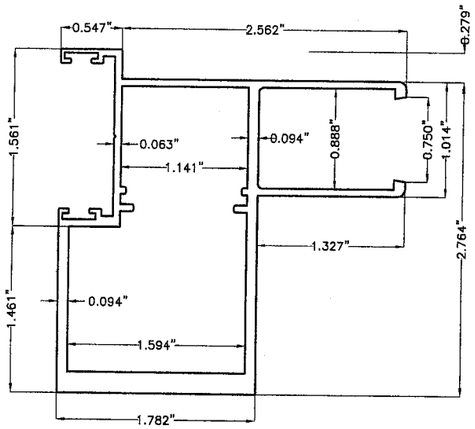
⑤ LOCKSTILE AND JAMBSTILE
(FSP 027)

SCALE 3/4"=1" / 6063-T6 ALLOY



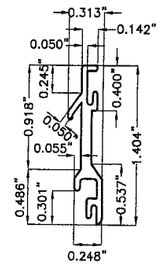
⑥ MOVING INTERLOCK
(FSP 028)

SCALE 3/4"=1" / 6063-T6 ALLOY



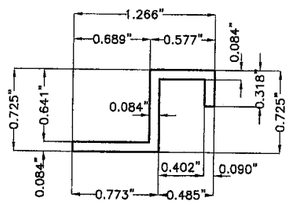
⑦ CENTER MATE
(FSP 029)

SCALE 3/4"=1" / 6063-T6 ALLOY



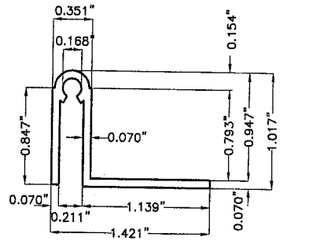
⑧ SILL ADAPTER
(FSP 030)

SCALE 3/4"=1" / 6063-T6 ALLOY



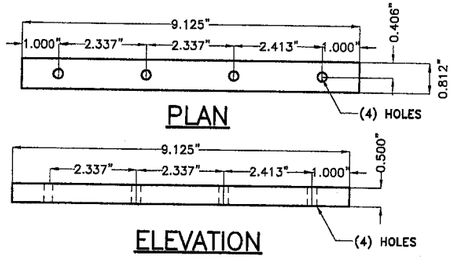
⑨ FIXED PANEL SIDE RAIL
(FSP 031)

SCALE 3/4"=1" / 6063-T6 ALLOY



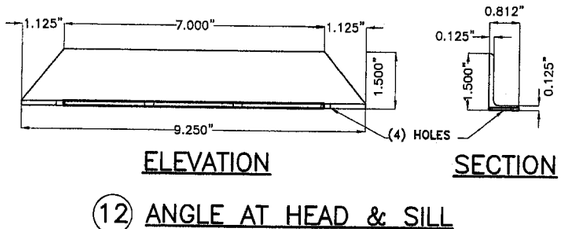
⑩ ADAPTER HEAD/SILL
(FSP 032)

SCALE 3/4"=1" / 6063-T6 ALLOY



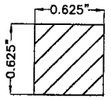
⑪ BLOCK AT HEAD
(FSP 033)

SCALE 1/4"=1" / 6063-T6 ALLOY



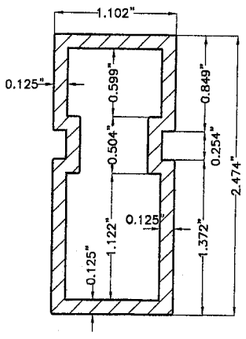
⑫ ANGLE AT HEAD & SILL
(FSP 034)

SCALE 1/4"=1" / 6063-T6 ALLOY



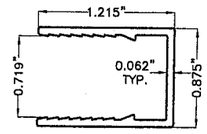
⑯ STEEL INSERT FOR ⑥
(FSP 035)

SCALE 3/4"=1" / A.S.T.M. A-36 ZINC PLATED



㉔ ALUM. INSERT FOR ⑦
(FSP 036)

SCALE 3/4"=1" / 6063-T6 ALLOY



㉕ STILE FITTING INSERT
(FSP 037)

SCALE 3/4"=1" / 6063-T6 ALLOY

COMPONENTS

Approved as complying with the Florida Building Code
Date Aug 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq L. Chavez

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

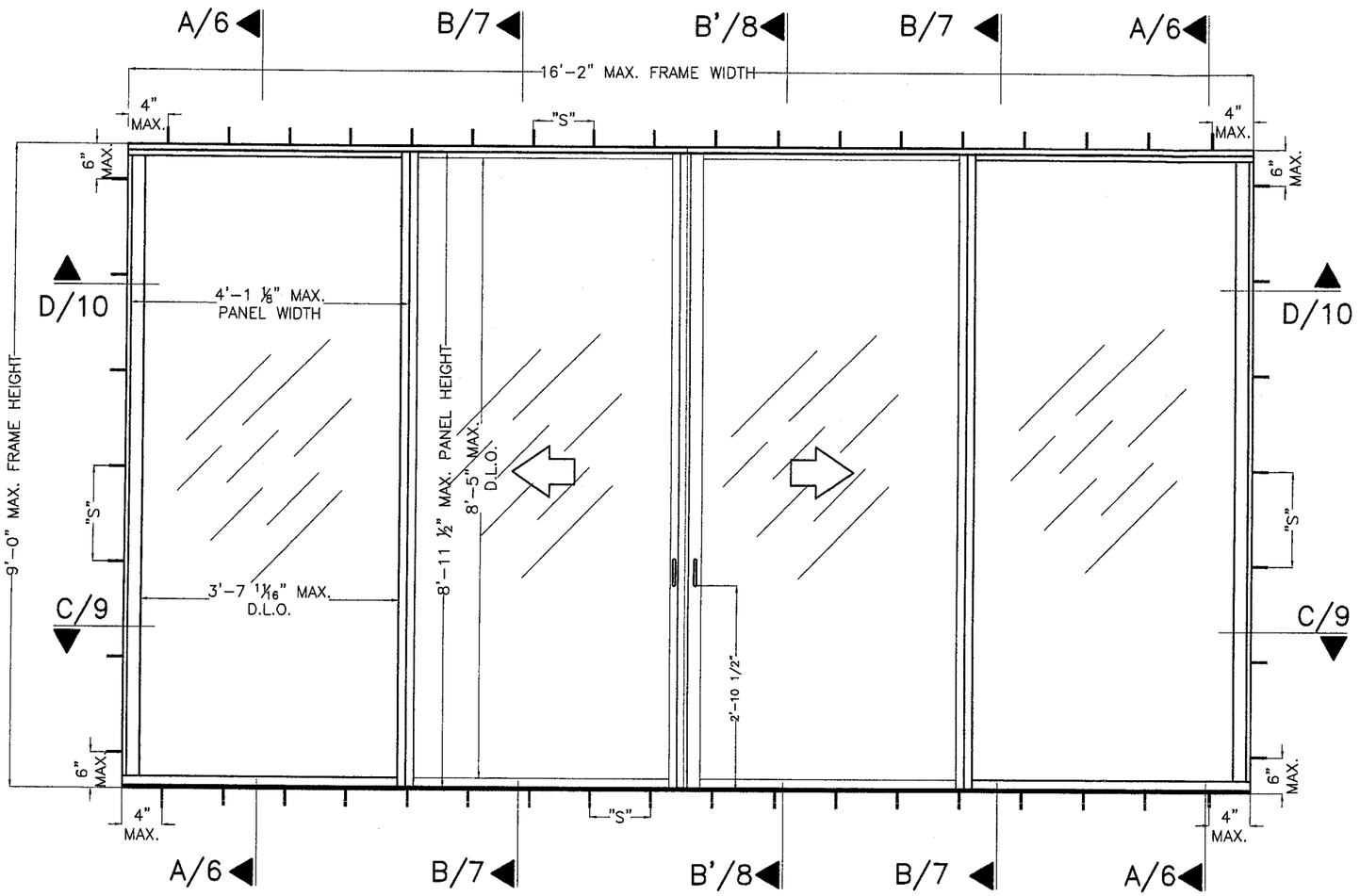
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 2 OF 16



TYPICAL EXTERIOR ELEVATION (OXXO)

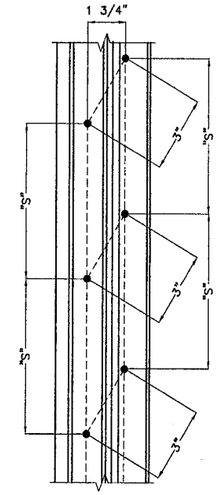
MAXIMUM DESIGN LOAD: ±90 psf AND +15 psf at water.

SCALE: 1/2"=1'-0

MAXIMUM ANCHOR SPACING "S" SCHEDULE *

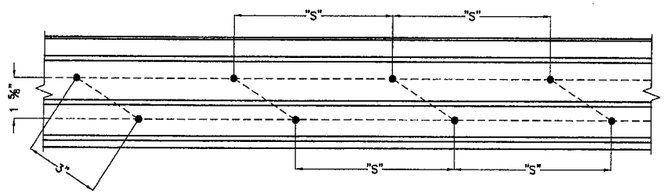
SUBSTRATE	ANCHOR TYPE	HEAD/SILL	JAMB
POURED CONCRETE OR CONCRETE BLOCK	1/4"ø TAPCON	10 1/2" O.C.	11" O.C.
WOOD	1/4"-20 ø KWIK-FLEX	8" O.C.	8" O.C.
ALUM. TUBE	1/4"-20 ø KWIK-FLEX	10 1/2" O.C.	11" O.C.
STEEL MEMBER	1/4"-20 ø KWIK-FLEX	10 1/2" O.C.	11" O.C.

* CORRESPONDS TO SPACING OF TWO ANCHORS (SEE DETAIL X)



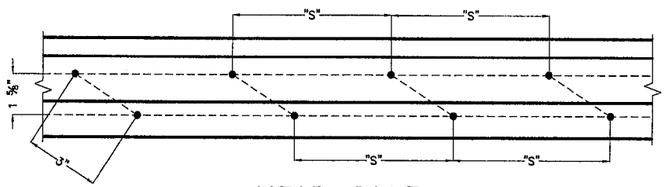
JAMB CASE

N.T.S.



SILL CASE

N.T.S.



HEAD CASE

N.T.S.

DETAIL X-X

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Chanda

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

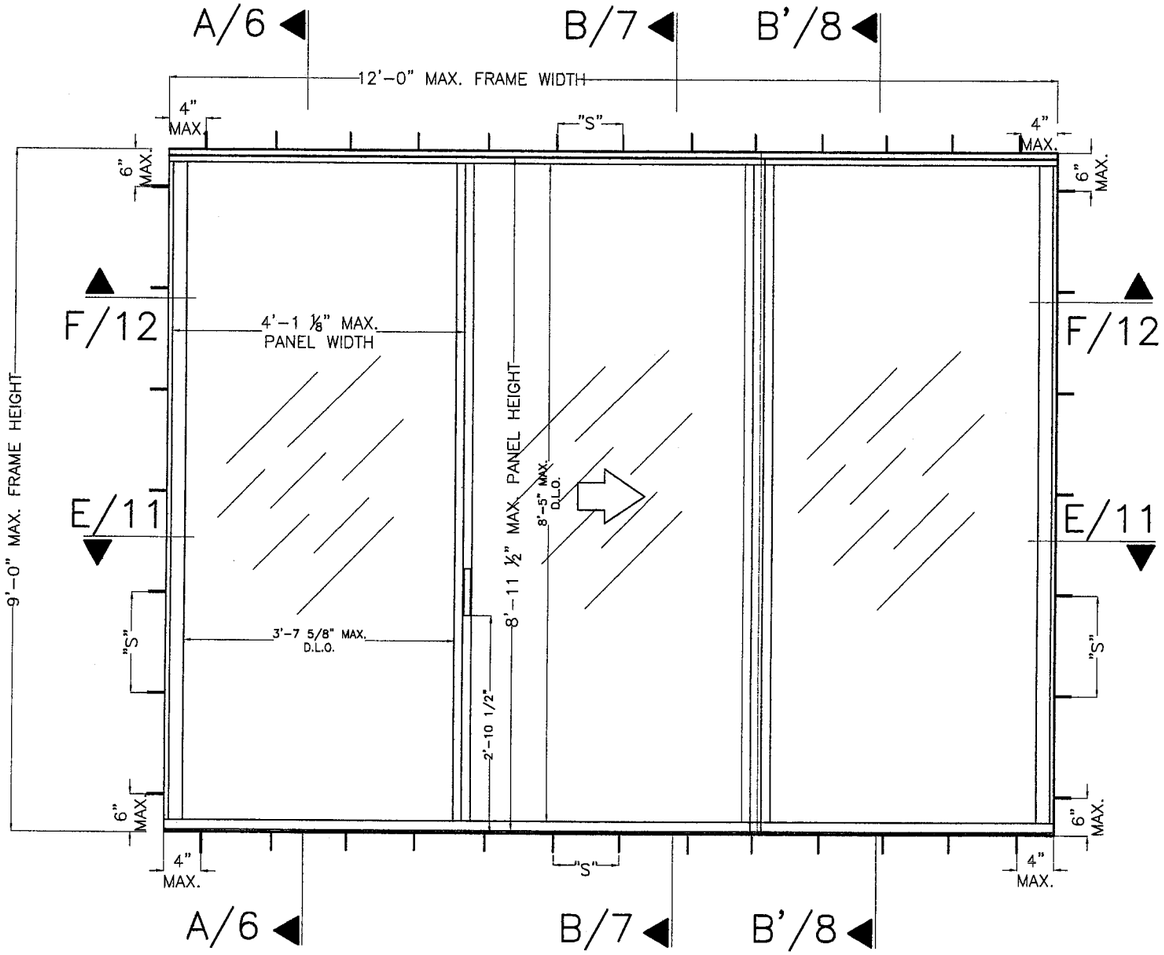
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No



TYPICAL EXTERIOR ELEVATION (OXO)

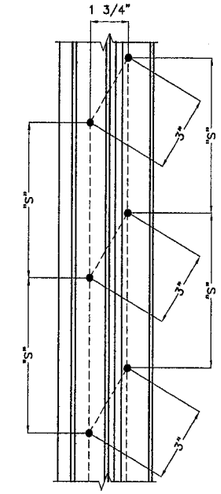
MAXIMUM DESIGN LOAD: ±90 psf AND +15 psf at water.

SCALE: 1/2"=1'-0

MAXIMUM ANCHOR SPACING "S" SCHEDULE *

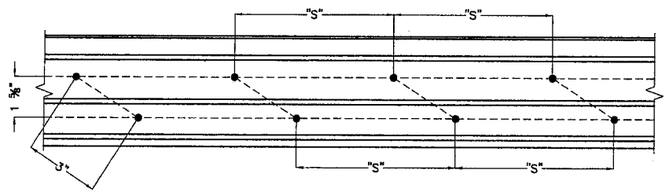
SUBSTRATE	ANCHOR TYPE	HEAD/SILL	JAMB
POURED CONCRETE OR CONCRETE BLOCK	1/4"ø TAPCON	10 1/2" O.C.	11" O.C.
WOOD	1/4"-20 ø KWIK-FLEX	8" O.C.	8" O.C.
ALUM. TUBE	1/4"-20 ø KWIK-FLEX	10 1/2" O.C.	11" O.C.
STEEL MEMBER	1/4"-20 ø KWIK-FLEX	10 1/2" O.C.	11" O.C.

* CORRESPONDS TO SPACING OF TWO ANCHORS (SEE DETAIL X)



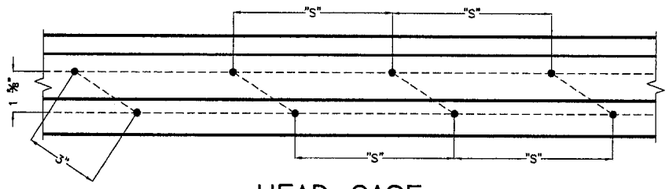
JAMB CASE

N.T.S.



SILL CASE

N.T.S.



HEAD CASE

N.T.S.

DETAIL X-X

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Chaudhry

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

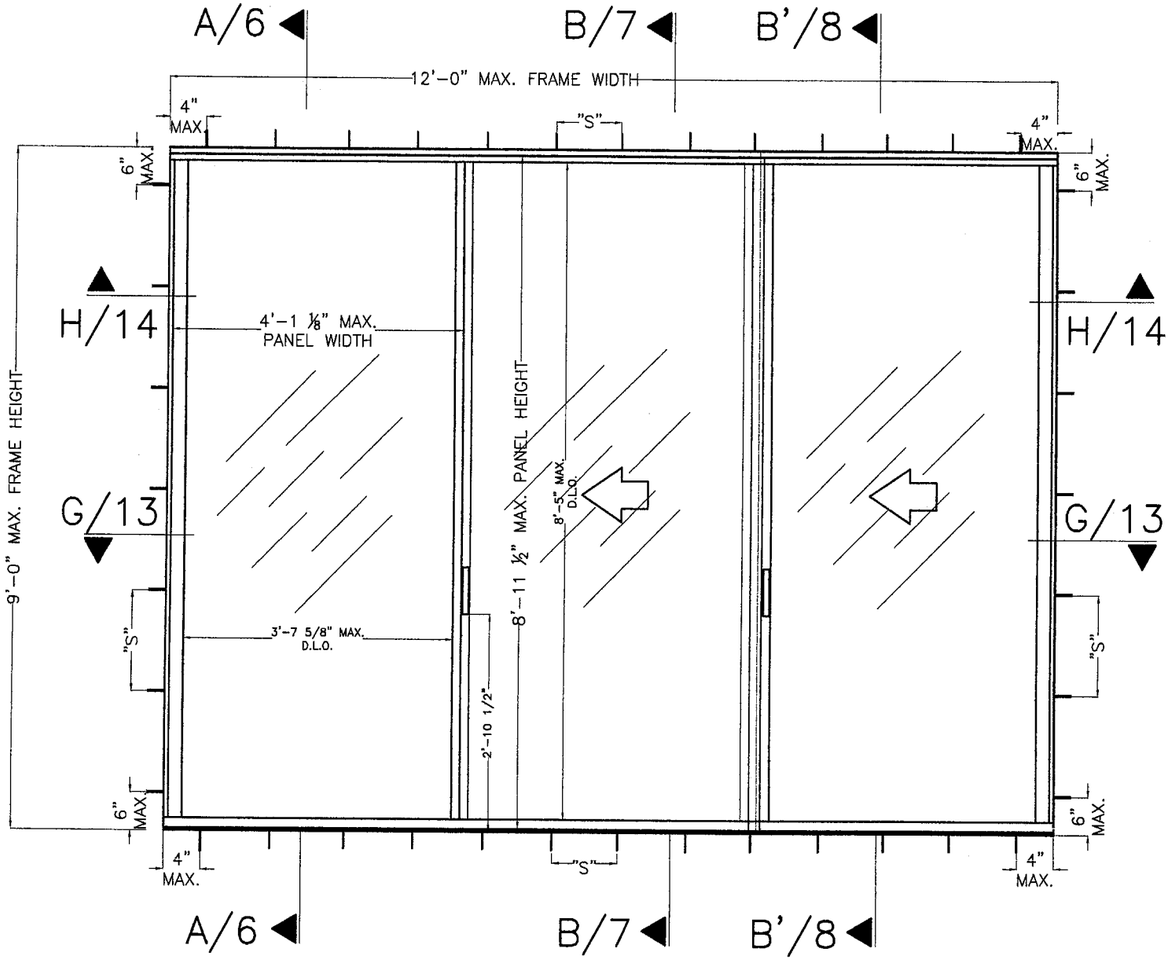
DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

4/30/07 DATE

07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		



TYPICAL EXTERIOR ELEVATION (OXX)

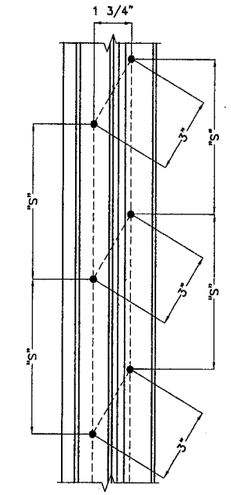
MAXIMUM DESIGN LOAD: ±90 psf AND +15 psf at water.

SCALE: 1/2"=1'-0

MAXIMUM ANCHOR SPACING "S" SCHEDULE *

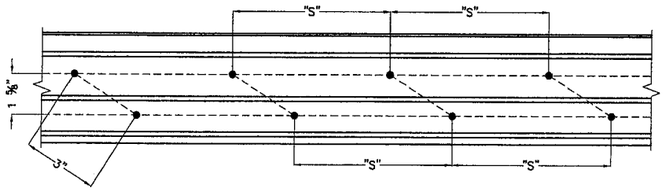
SUBSTRATE	ANCHOR TYPE	HEAD/SILL	JAMB
POURED CONCRETE OR CONCRETE BLOCK	1/4"ø TAPCON	10 1/2" O.C.	11" O.C.
WOOD	1/4"-20 ø KWIK-FLEX	8" O.C.	8" O.C.
ALUM. TUBE	1/4"-20 ø KWIK-FLEX	10 1/2" O.C.	11" O.C.
STEEL MEMBER	1/4"-20 ø KWIK-FLEX	10 1/2" O.C.	11" O.C.

* CORRESPONDS TO SPACING OF TWO ANCHORS (SEE DETAIL X)



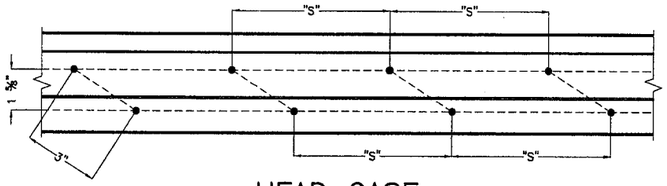
JAMB CASE

N.T.S.



SILL CASE

N.T.S.



HEAD CASE

N.T.S.

DETAIL X-X

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Ishaq I. Chanda

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

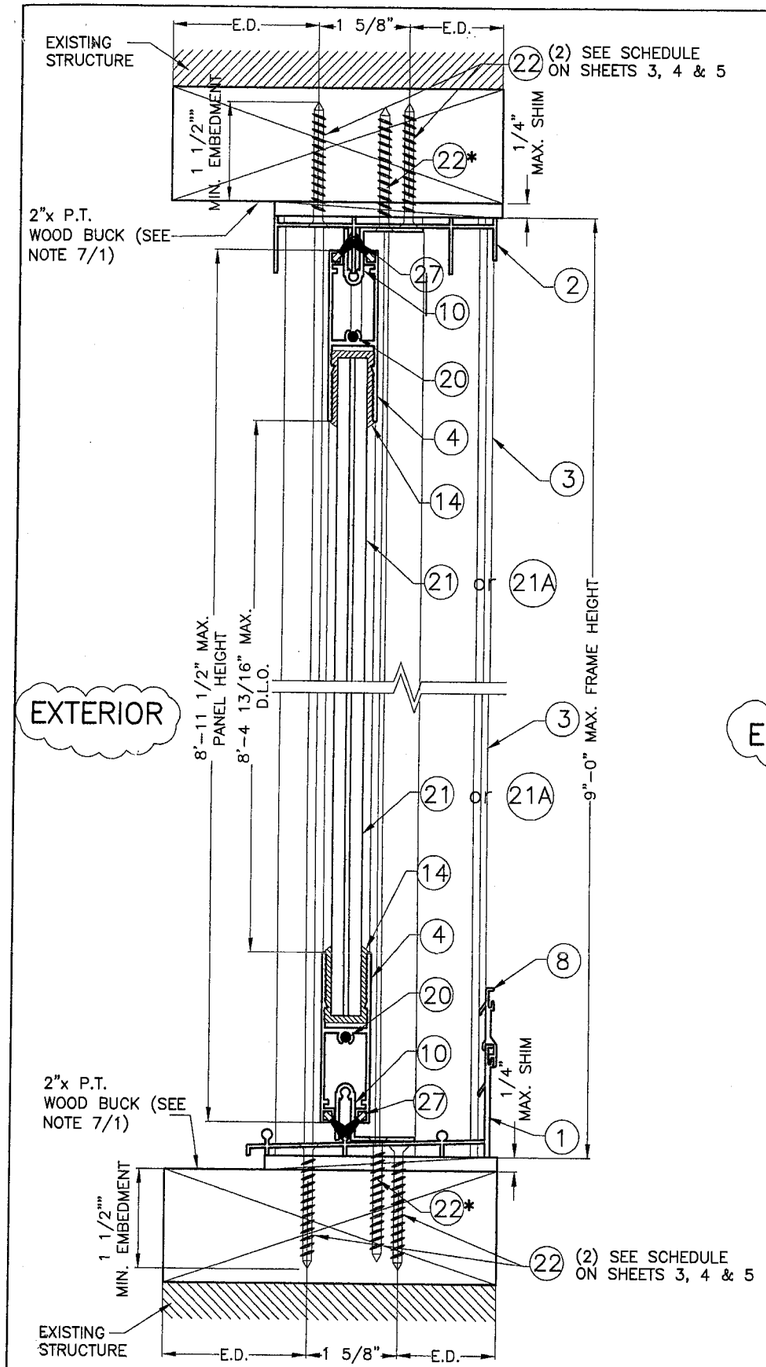
DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

4/30/07 DATE

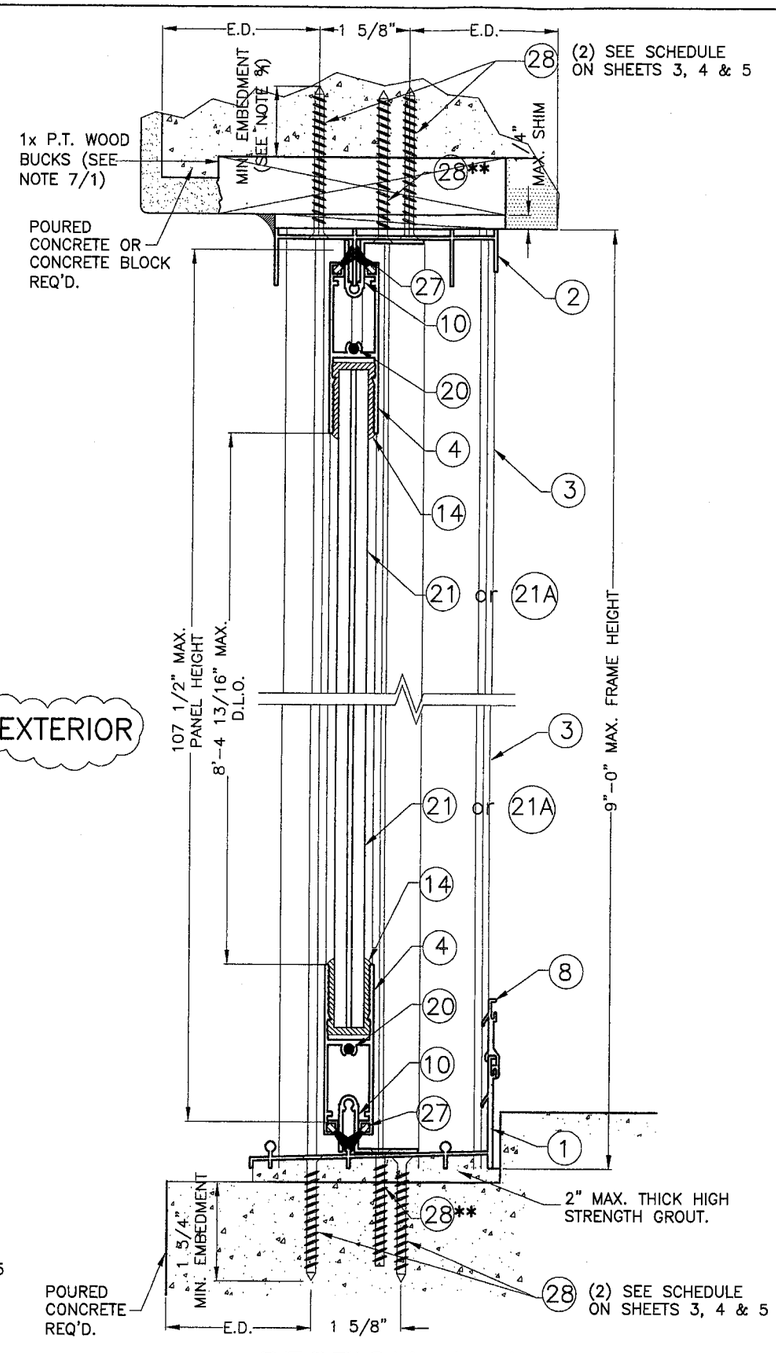
07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		



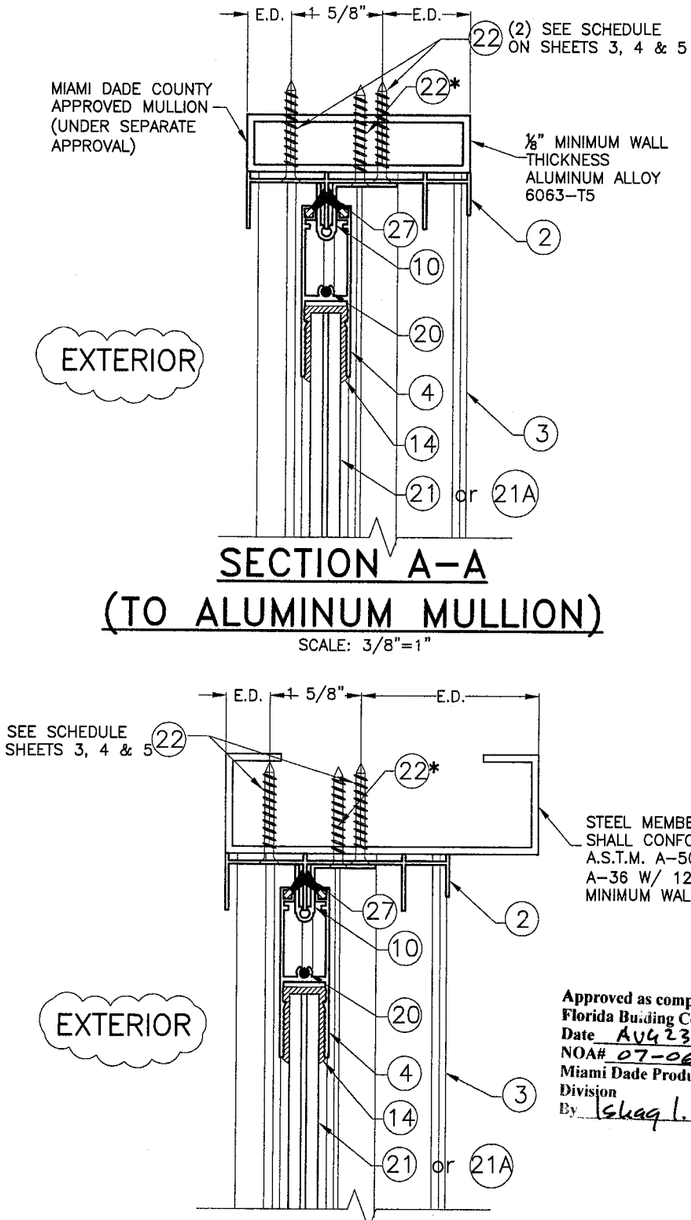
SECTION A–A (TO WOOD)

SCALE: 3/8"=1"



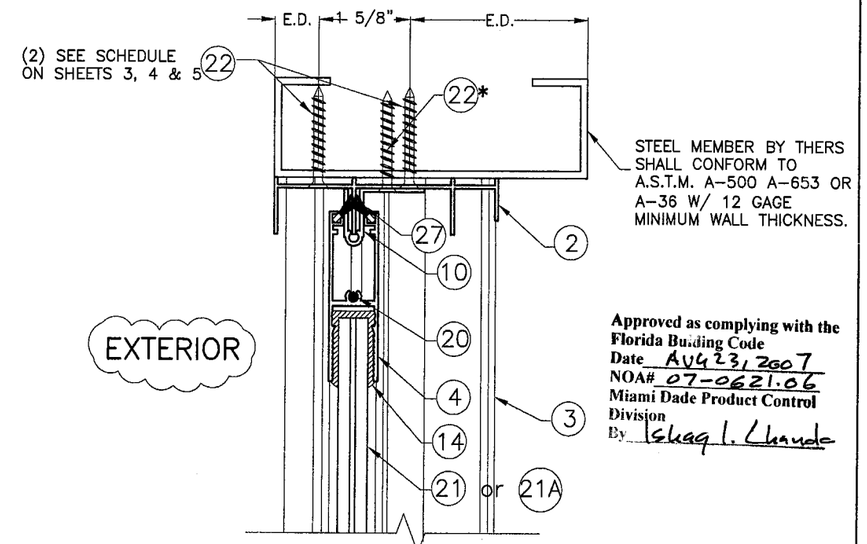
SECTION A–A (TO POURED CONCRETE/ CONCRETE BLOCK)

SCALE: 3/8"=1"



SECTION A–A (TO ALUMINUM MULLION)

SCALE: 3/8"=1"



SECTION A–A (TO STEEL MEMBER)

SCALE: 3/8"=1"

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Chanda

F.B.C. (High Velocity Hurricane Zone)

*(6) (22) 4" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER.

**(6) (28) 4" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER.

© 2007 TILTECO INC.

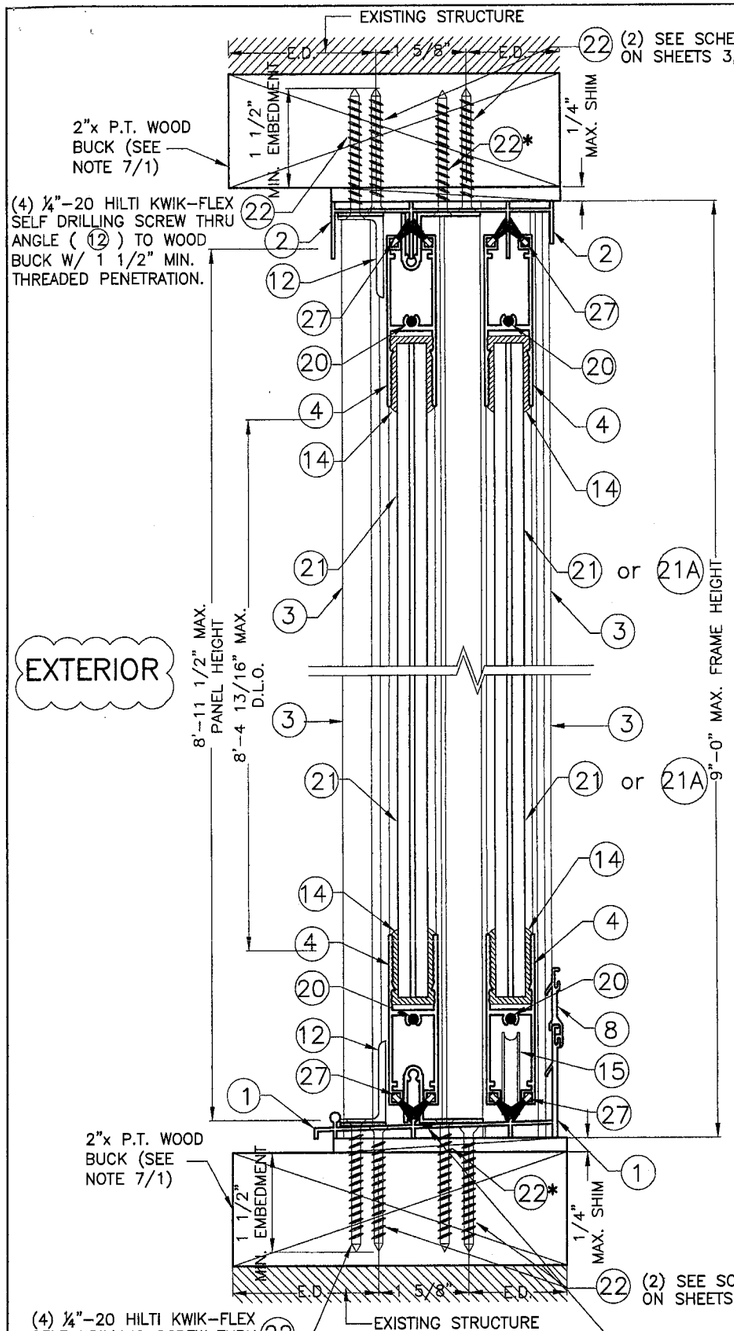
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871–1530 . Fax : (305)871–1531
EB–0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696–3976 / FAX: (305) 696–3976

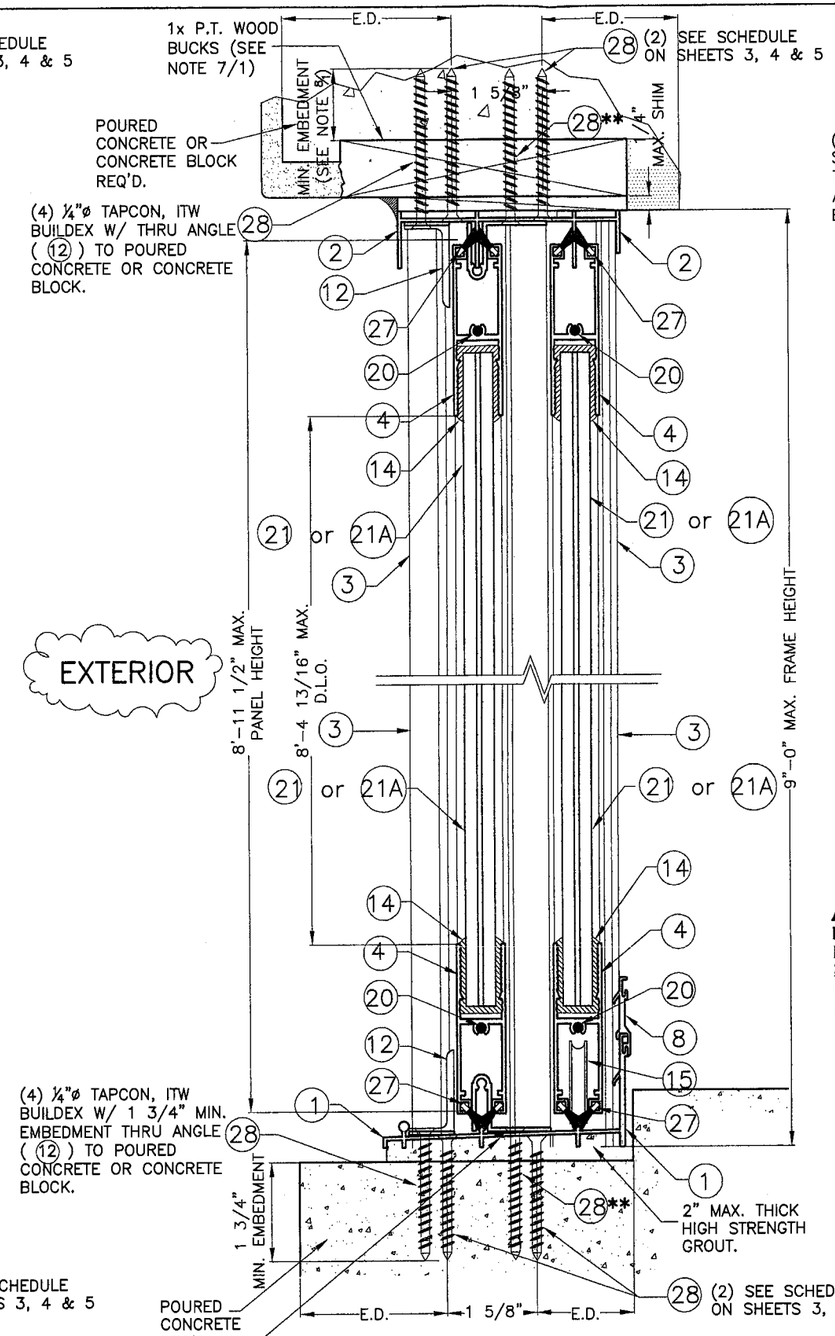
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 6 OF 16



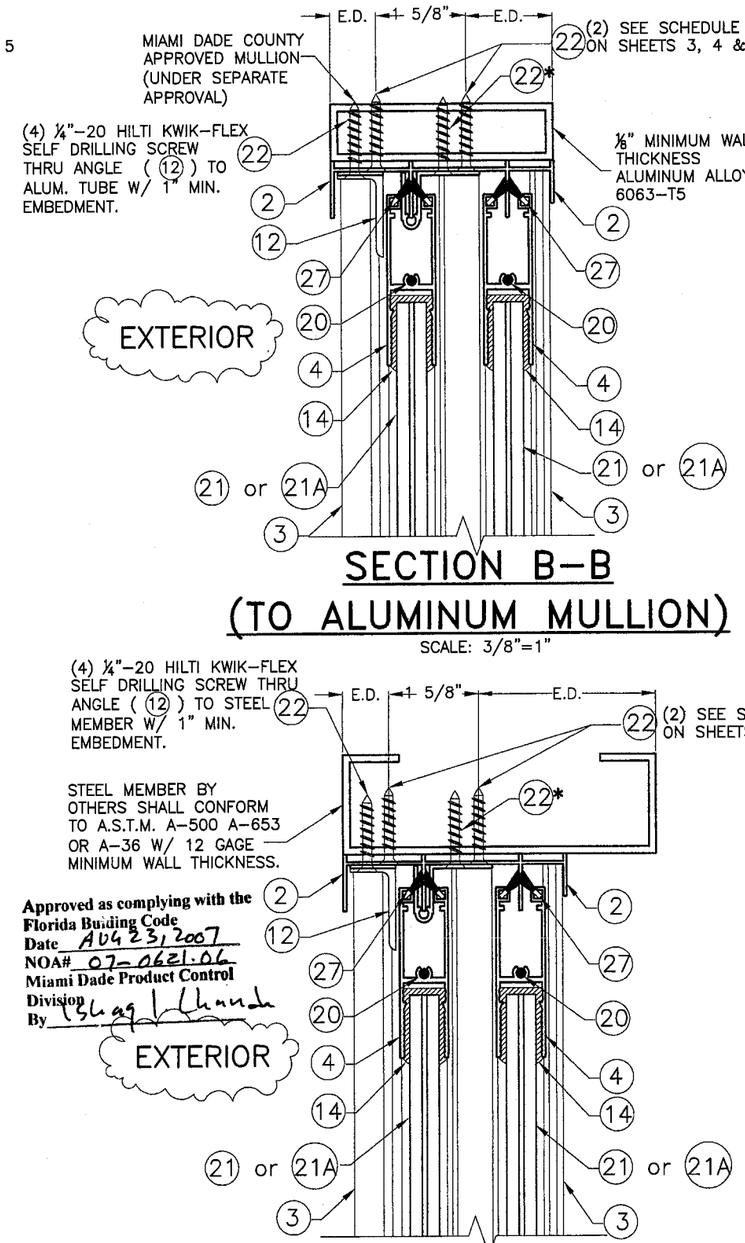
SECTION B–B (TO WOOD)

SCALE: 3/8"=1"



SECTION B–B (TO POURED CONCRETE CONCRETE BLOCK)

SCALE: 3/8"=1"



SECTION B–B (TO ALUMINUM MULLION)

SCALE: 3/8"=1"

SECTION B–B (TO STEEL MEMBER)

SCALE: 3/8"=1"

F.B.C. (High Velocity Hurricane Zone)

*(6) 22 4" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER.

**(6) 28 4" MAX. FROM JAMBSTILE AND AT EQUAL SPACES CENTER TO CENTER.

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871–1530 . Fax : (305)871–1531
EB–0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696–3976 / FAX: (305) 696–3976

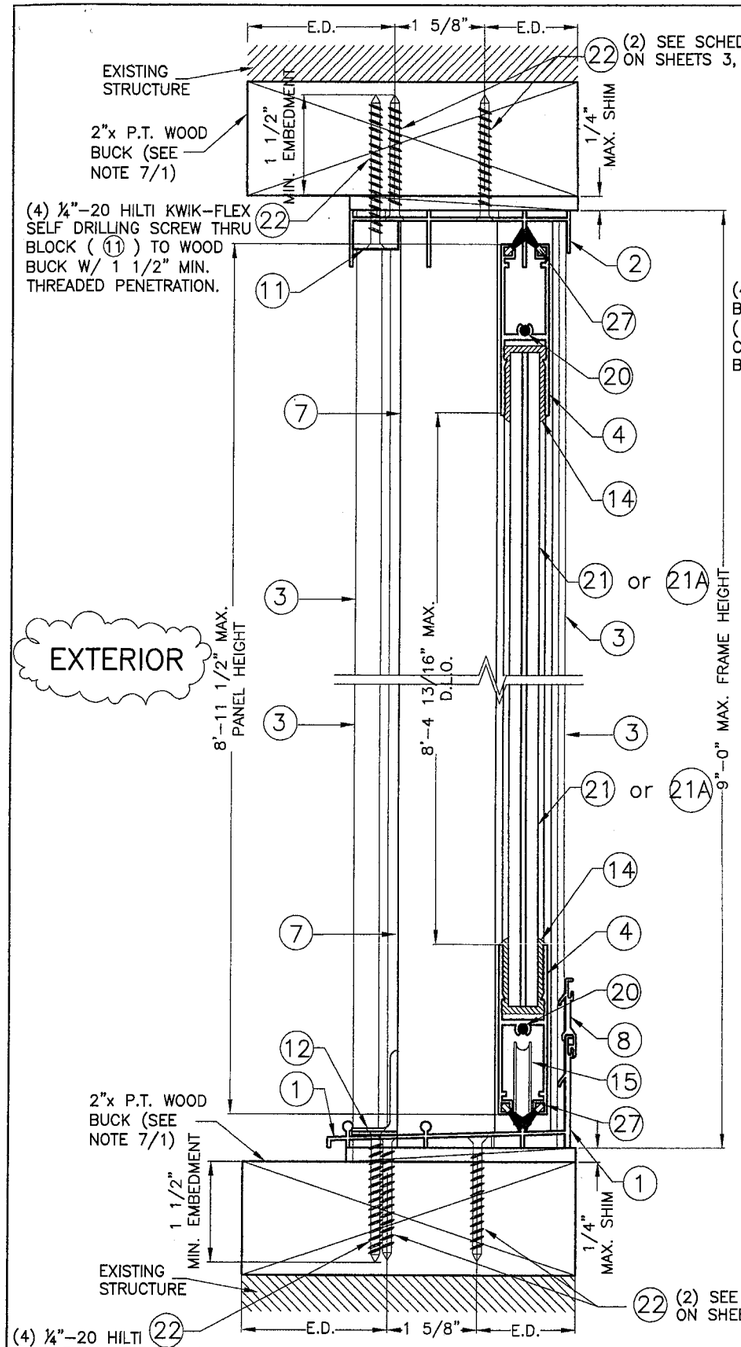
4/30/07 DATE

07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

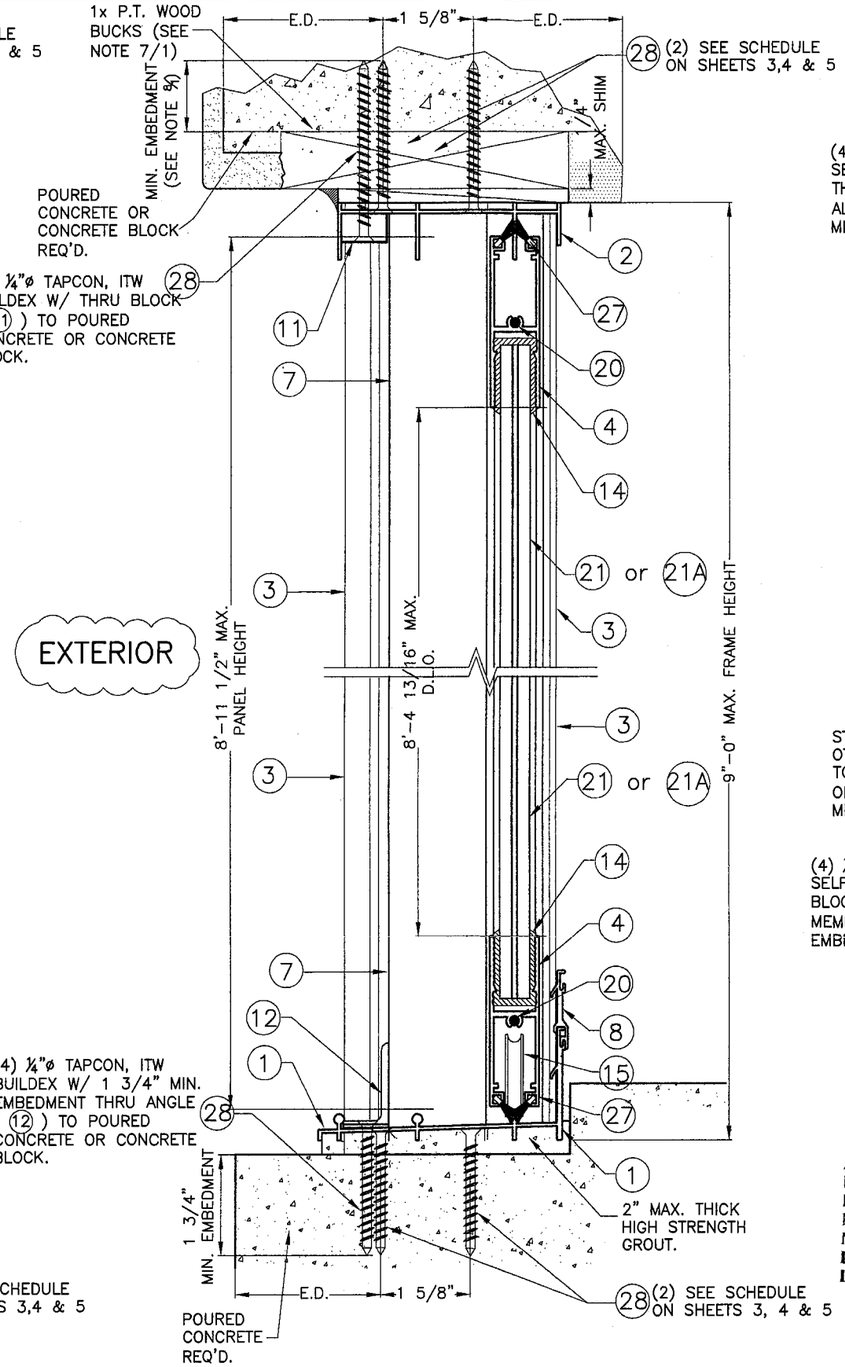
SHEET 7 OF 16

9/8/07



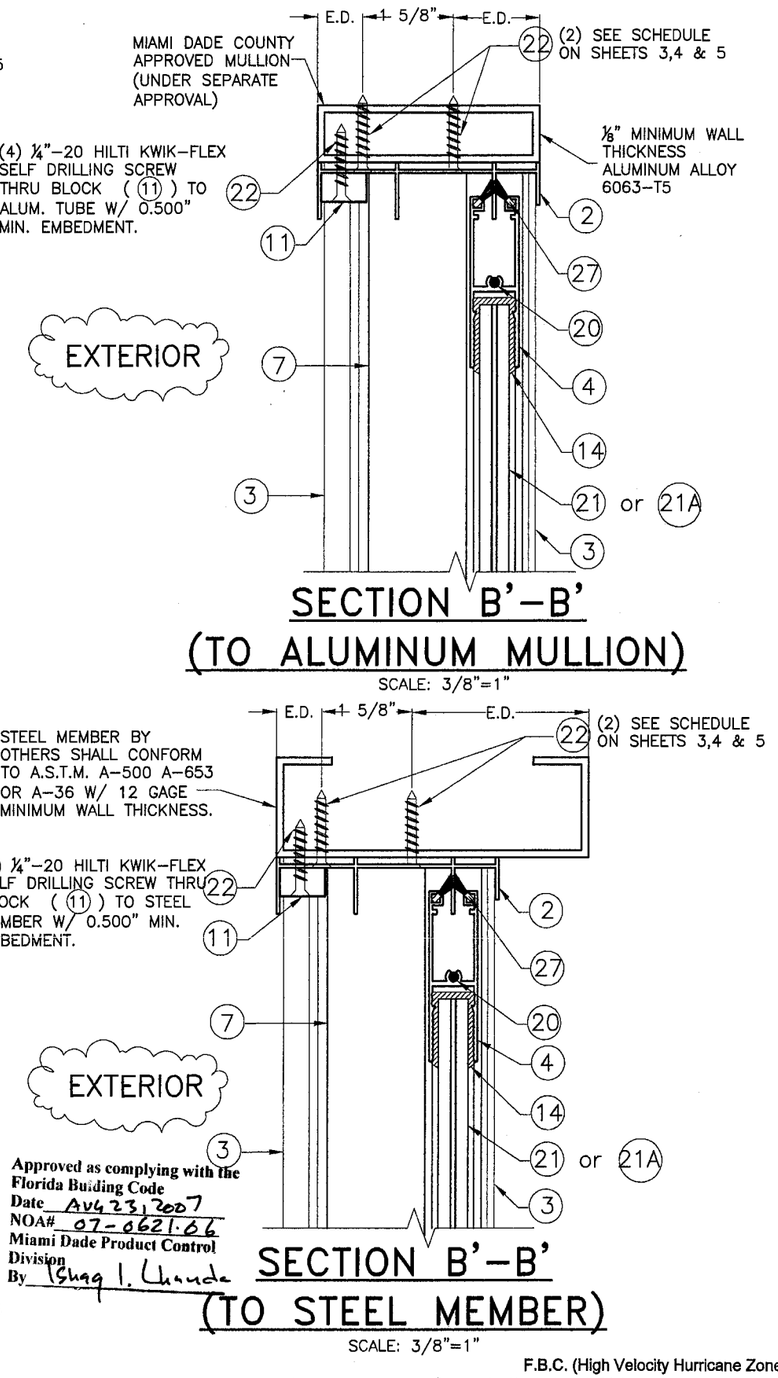
SECTION B'-B' (TO WOOD)

SCALE: 3/8"=1"



SECTION B'-B' (TO POURED CONCRETE CONCRETE BLOCK)

SCALE: 3/8"=1"



SECTION B'-B' (TO ALUMINUM MULLION)

SCALE: 3/8"=1"

Approved as complying with the Florida Building Code
Date Aug 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Chanda

SECTION B'-B' (TO STEEL MEMBER)

SCALE: 3/8"=1"

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

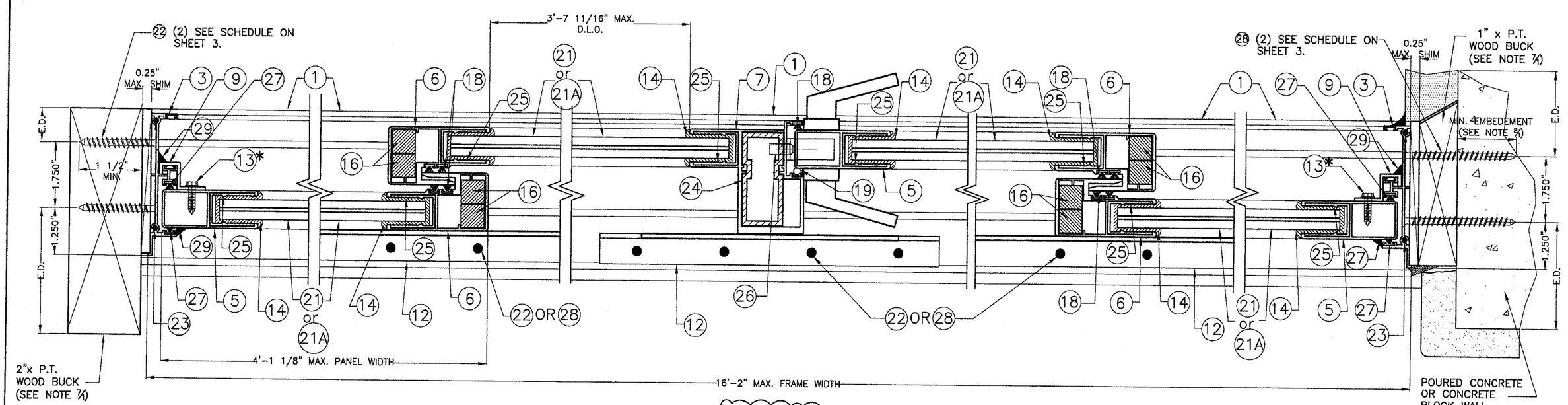
DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

4/30/07 DATE

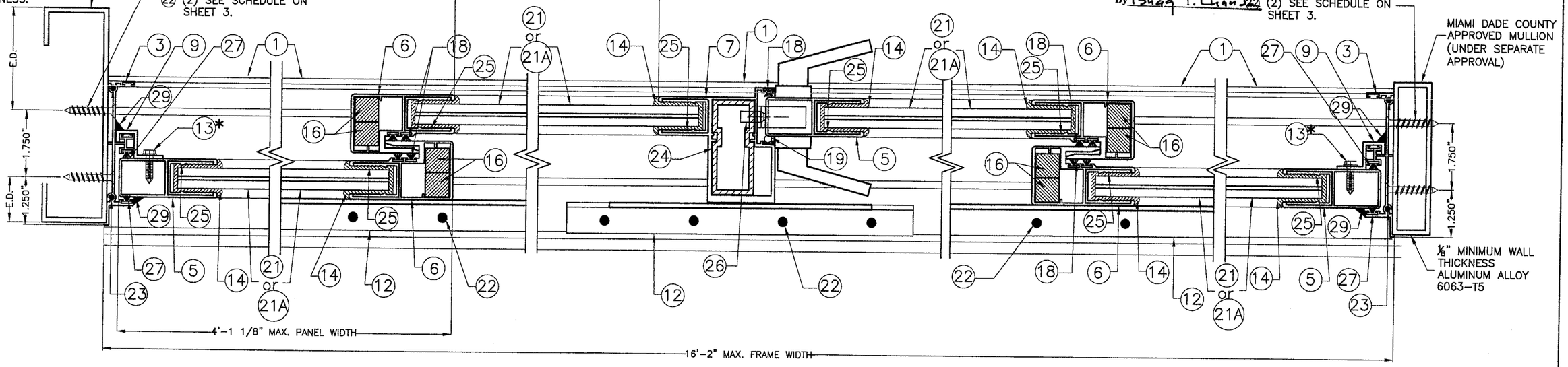
07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		



EXTERIOR

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Ishaq I. Chanda



EXTERIOR

*(9) #14 X 3/4" HX HD SMS (COMPONENT (13)) AT 7" MAX. FROM JAMBSTILE AND AT 12" CENTER TO CENTER

SECTIONS C-C (OXXO)

SCALE: 3/8"=1"

6/8/07

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

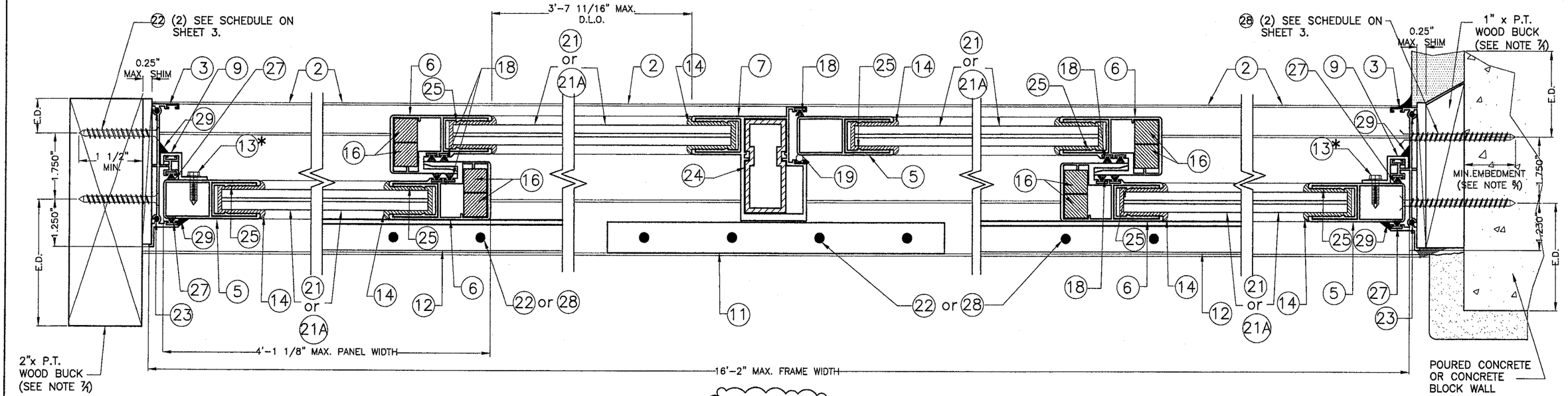
DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

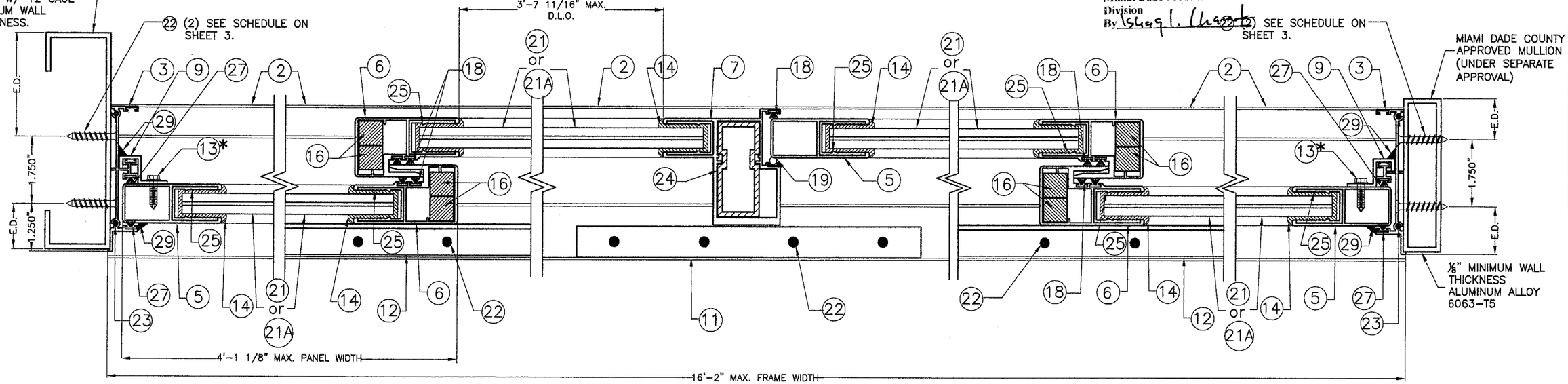
4/30/07 DATE

07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		



STEEL MEMBER BY OTHERS SHALL CONFORM TO A.S.T.M. A-500 A-653 OR A-36 W/ 12 GAGE MINIMUM WALL THICKNESS.



*(9) #14 X 3/4" HX HD SMS (COMPONENT (13)) AT 7" MAX. FROM JAMBSTILE AND AT 12" CENTER TO CENTER

6/8/07

SECTIONS D-D (OXXO)

SCALE: 3/8"=1"

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By [signature]

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

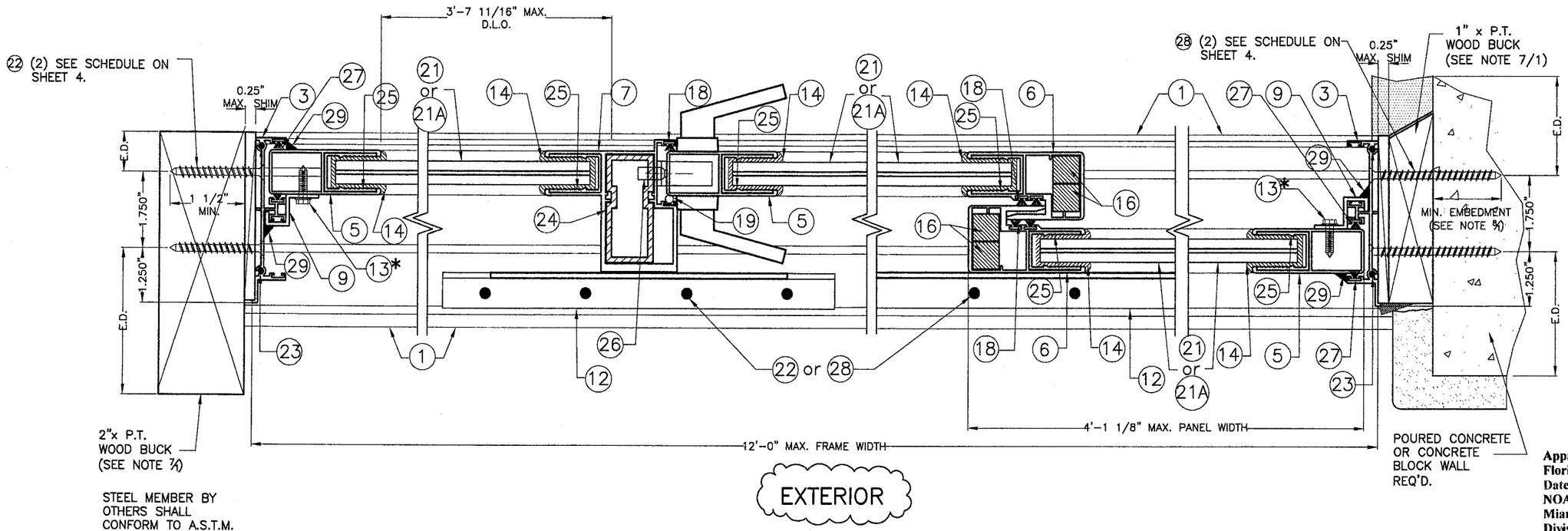
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

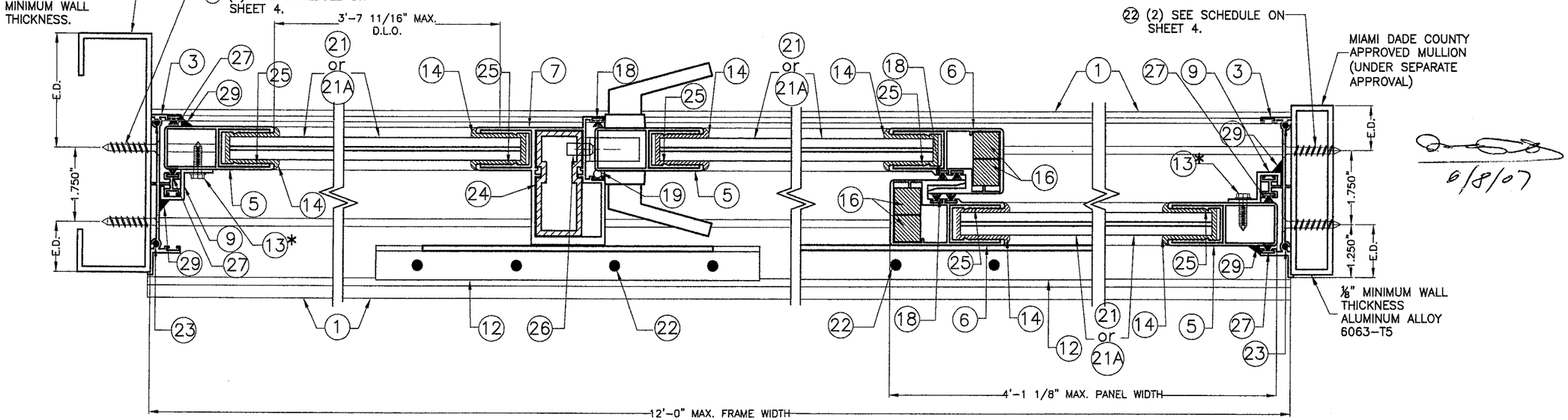
Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 698-3976 / FAX: (305) 698-3976

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 10 OF 16



Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Chanda



6/8/07

F.B.C. (High Velocity Hurricane Zone)

*(9) #14 X 3/4" HX HD SMS (COMPONENT (13) AT 7" MAX. FROM JAMBSTILE AND AT 12" CENTER TO CENTER

SECTIONS E-E (OXO)

SCALE: 3/8"=1"

© 2007 TILTECO INC.

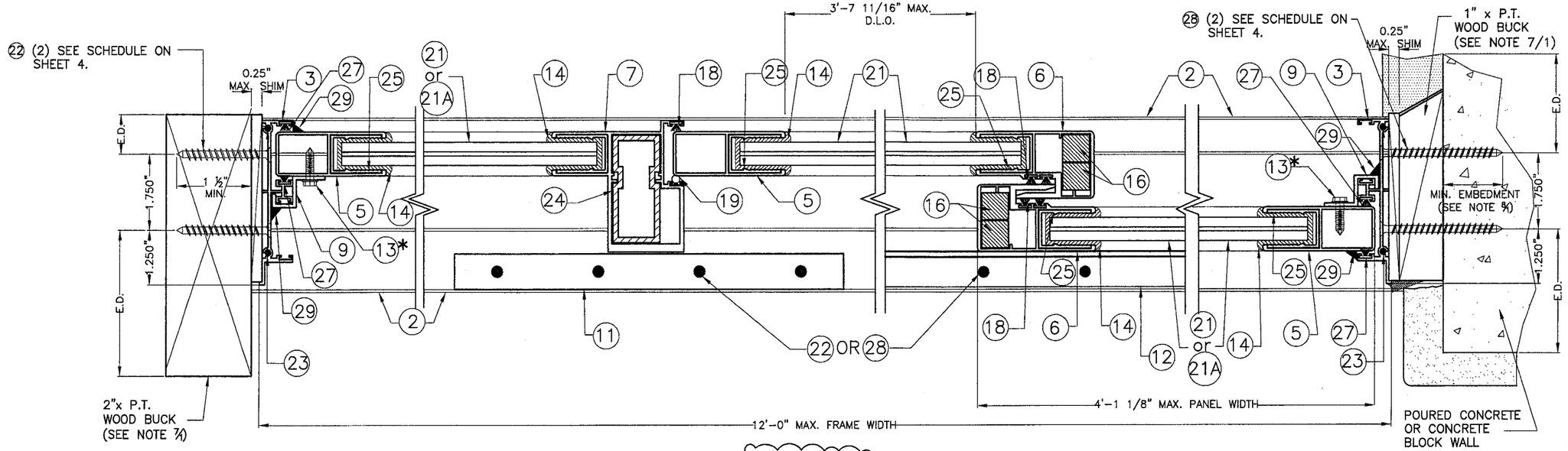
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

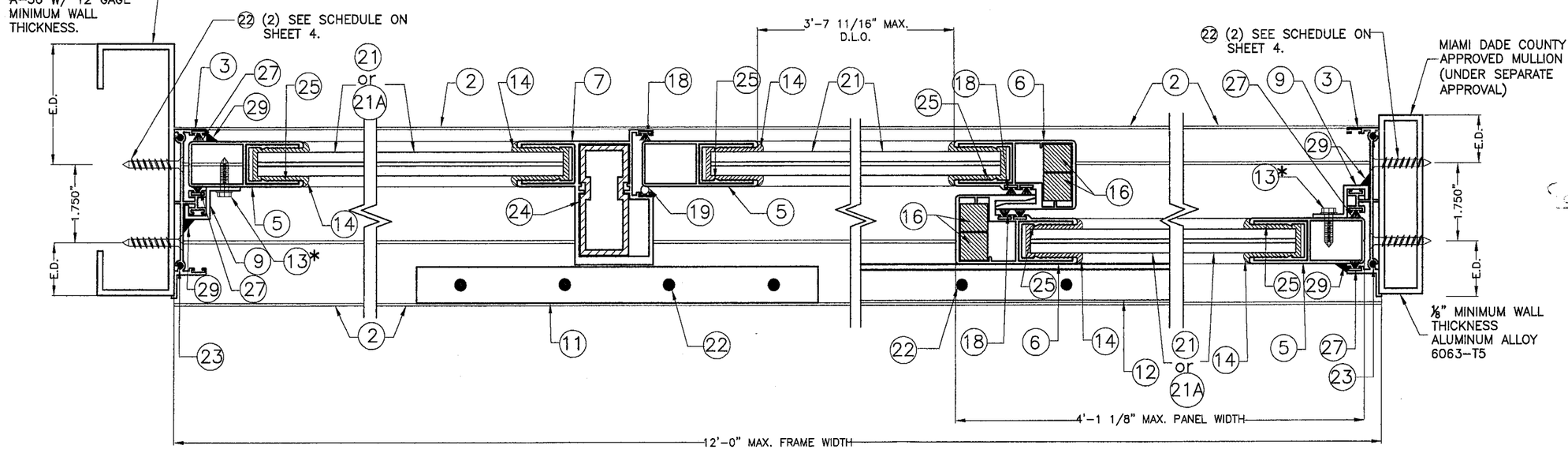
Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 11 OF 16



Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Chanda



6/8/07

*(9) #14 X 3/4" HX HD SMS (COMPONENT (13)) AT 7" MAX. FROM JAMBSTILE AND AT 12" CENTER TO CENTER

SECTIONS F-F (OXO)

SCALE: 3/8"=1"

F.B.C. (High Velocity Hurricane Zone)

©2007 TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

Florida Coastal Protective Mfg. Inc.

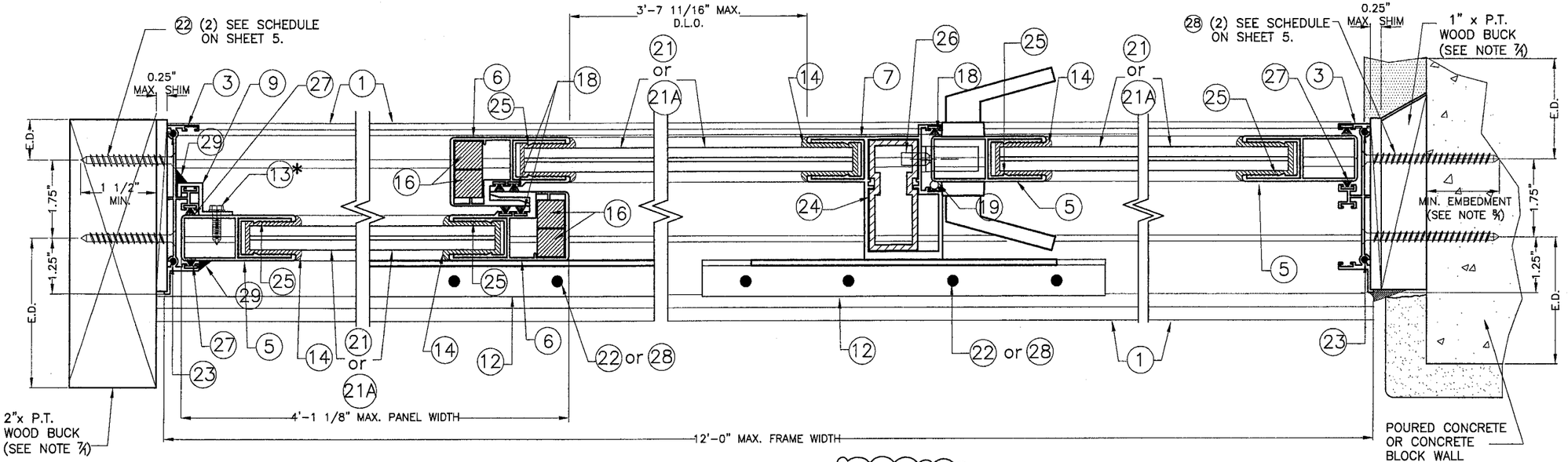
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.

4/30/07 DATE

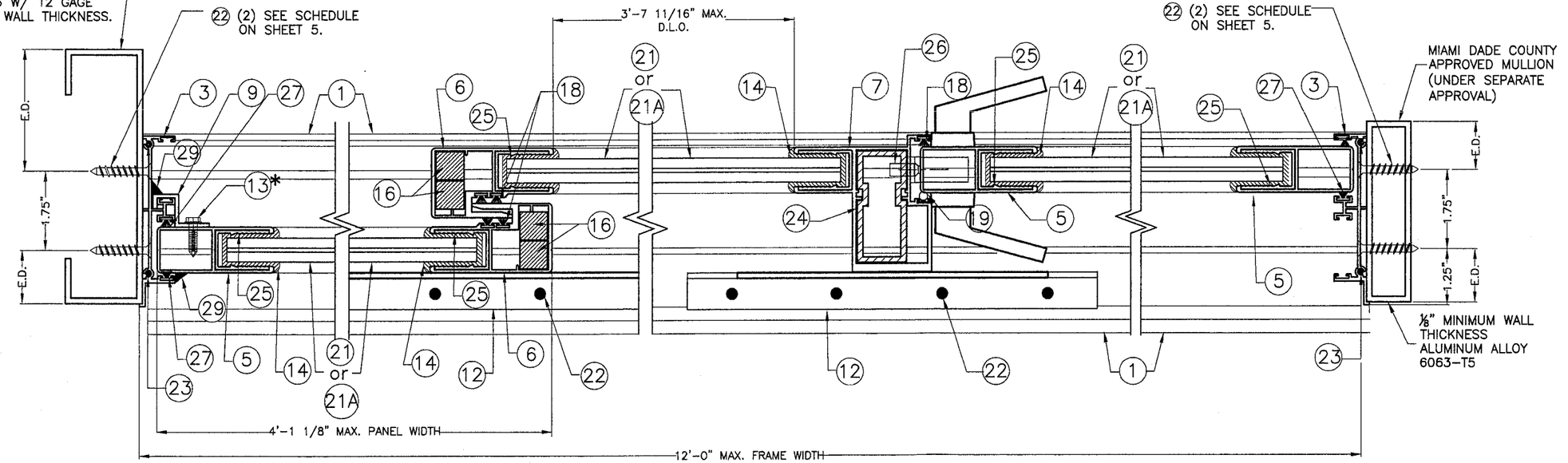
07-110 DRAWING No



EXTERIOR

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Ishaq I. Chanda

STEEL MEMBER BY OTHERS SHALL CONFORM TO A.S.T.M. A-500 A-653 OR A-36 W/ 12 GAGE MINIMUM WALL THICKNESS.



6/8/07

F.B.C. (High Velocity Hurricane Zone)

EXTERIOR

*(9) #14 X 3/4" HX HD SMS (COMPONENT (13)) AT 7" MAX. FROM JAMBSTILE AND AT 12" CENTER TO CENTER

SECTIONS G-G (OXX)

SCALE: 3/8"=1"

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

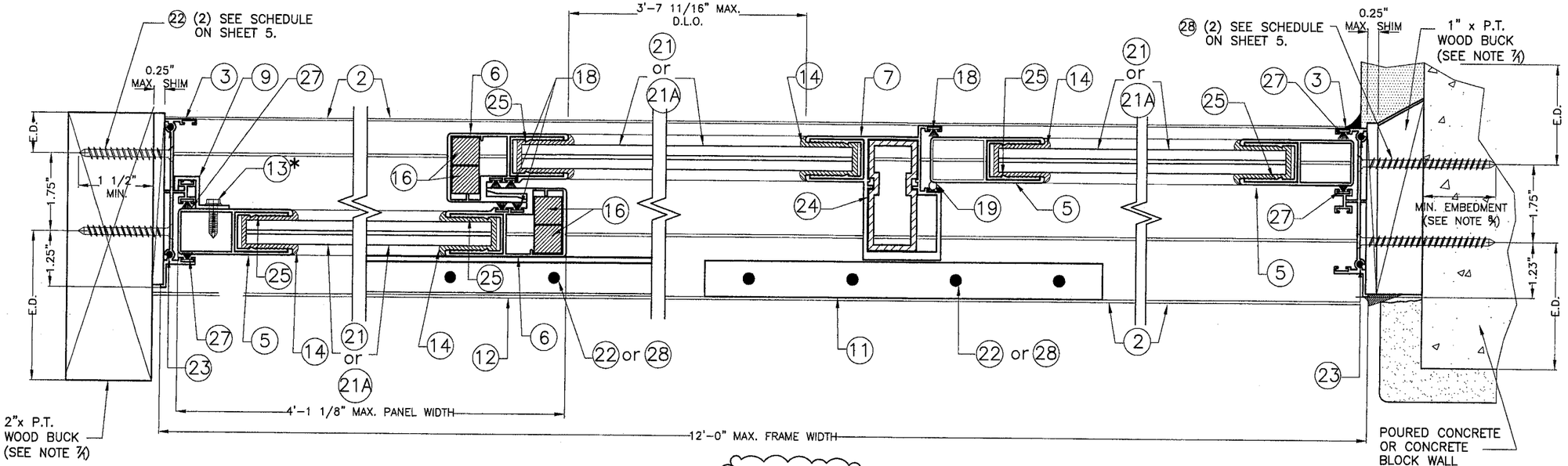
SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

Florida Coastal Protective Mfg. Inc.

6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

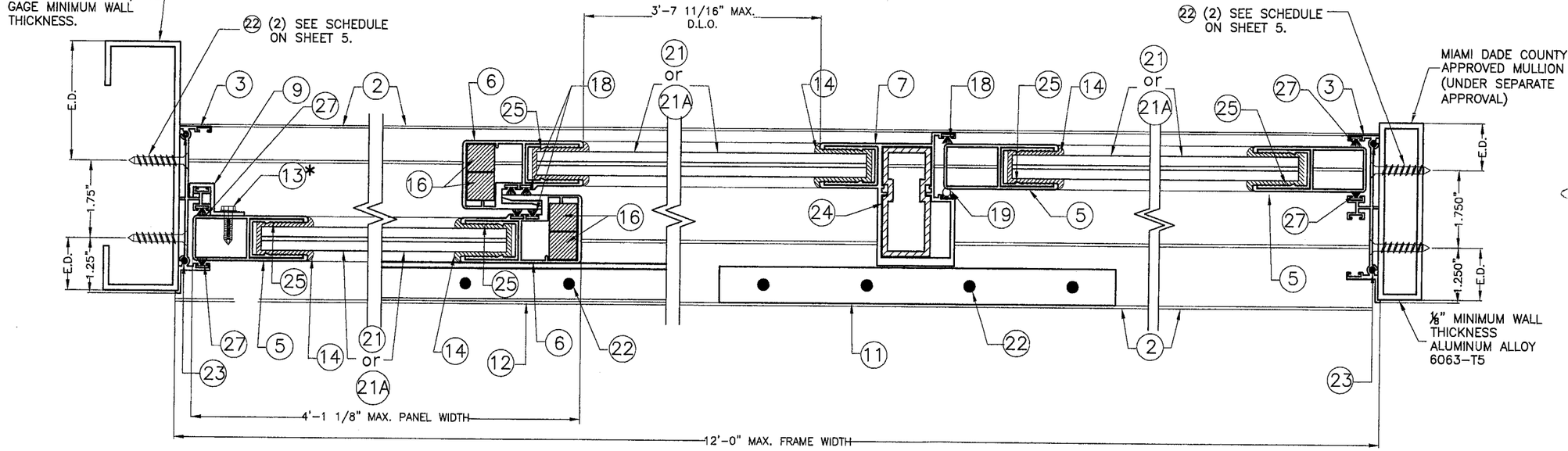
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 13 OF 16



EXTERIOR

Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Ishaq I. Chanda



*(9) #14 X 3/4" HX HD SMS (COMPONENT 13) AT 7" MAX. FROM JAMBSTILE AND AT 12" CENTER TO CENTER

EXTERIOR

SECTIONS H-H (OXX)

SCALE: 3/8"=1"

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006619
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

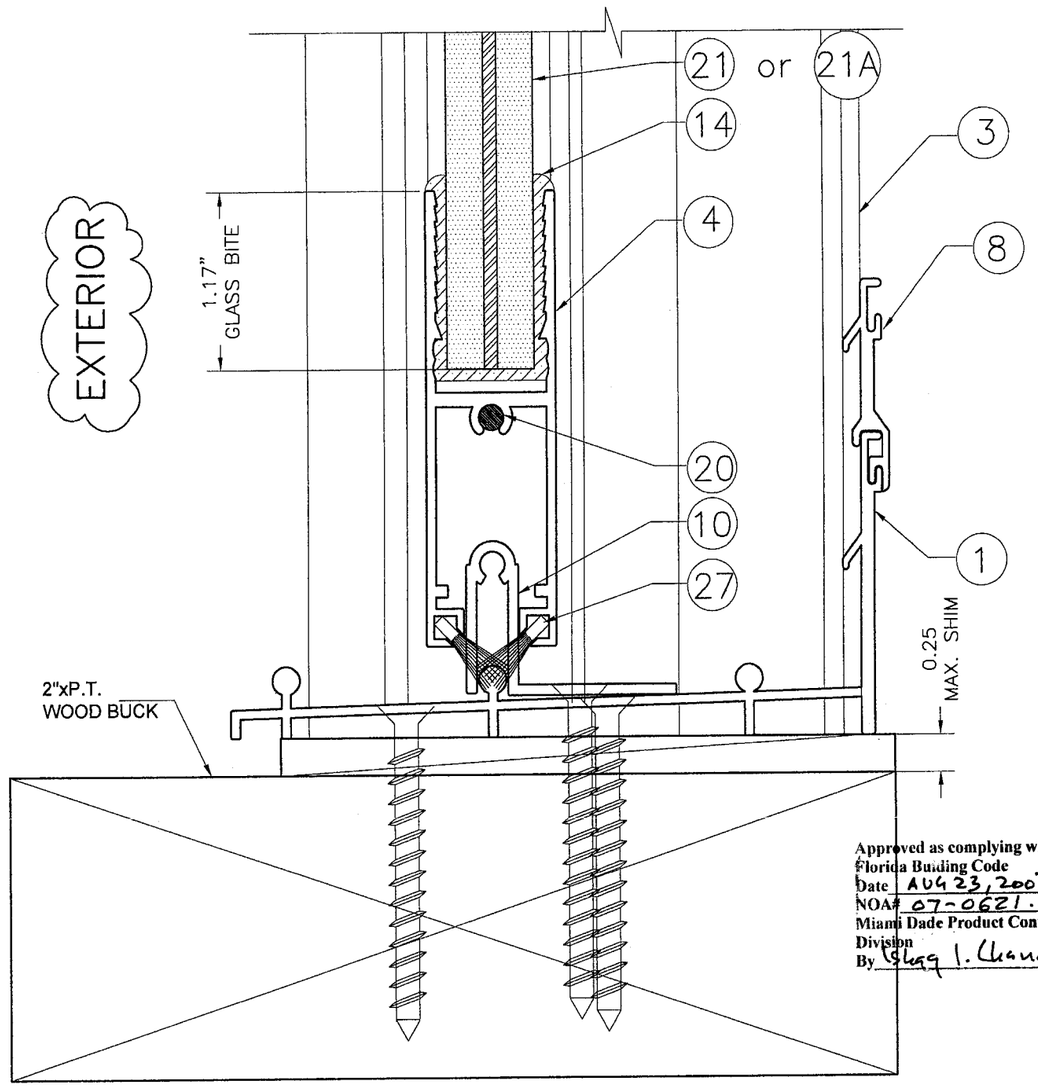
4/30/07 DATE

07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

BILL OF MATERIALS

ITEM #	PART	DESCRIPTION	MATERIAL
1	FSP 023	FRAME SILL	6063-T6 ALLOY
2	FSP 024	FRAME HEAD	6063-T6 ALLOY
3	FSP 025	FRAME JAMB	6063-T6 ALLOY
4	FSP 026	TOP AND BOTTOM RAIL	6063-T6 ALLOY
5	FSP 027	LOCKSTILE AND JAMBSTILE	6063-T6 ALLOY
6	FSP 028	MOVING INTERLOCK	6063-T6 ALLOY
7	FSP 029	CENTER MATE	6063-T6 ALLOY
8	FSP 030	SILL ADAPTER	6063-T6 ALLOY
9	FSP 031	FIXED PANEL SIDE RAIL	6063-T6 ALLOY
10	FSP 032	ADAPTER HEAD/SILL	6063-T6 ALLOY
11	FSP 033	0.500" X 0.812" ALUMINUM BAR	6063-T6 ALLOY
12	FSP 034	ANGLE AT TOP & BOTTOM	6063-T6 ALLOY
13	FASTENER	#14 X 3/4" HX HD SMS	STEEL
14	-	GLAZING GASKET	80 DURO, ± 5 FLEXIBLE PVC
15	-	TANDEM ROLLER REGULAR(SS) ONE @ EA. END OF EA. MOVING PANEL W/ (4)#8x 3/4" SMS EA. PANEL	— — —
16	FSP 035	(2) 5/8" X 5/8" STEEL BAR, ZINC PLATED	ASTM A-36
17	SILICONE	SCS2800 GE OR PECORA 895	— — —
18	-	WEATHER STRIP (POLYPROPILENO), W13241NW,ULTRAFAB INC.	— — —
19	-	- BULB: 8201-60 AES SANTOPRENE, - BASE: 203-50 AES SANTOPRENE, 0.270" BASE BULB SEAL	— — —
20	FASTENER	#10 X 1 1/2" PH SMS	STEEL
21	GLASS	- 9/16" OVERALL LAMINATED GLASS W/ (2) 1/4" HEAT STRENGTHENED GLASS W/ A 0.090" INNER LAYER FILM SENTRY GLASS PLUS (SGP) BY EI DUPONT DENEMOURS, W/ NOA 06-1205.10.	— — —
21A	GLASS	- 0.534" OVERALL LAMINATED GLASS W/ (2) 1/4" HEAT STRENGTHENED GLASS W/ A 0.090" INNER LAYER FILM VANCEVA. BY SOLUTIA, INC., W/ NOA 03-0415.13.	— — —
22	ANCHORS	(4) ¼"-20 HILTI KWIK-FLEX SELF DRILLING SCREW TO WOOD BUCK W/ 1 ½" MIN. THREADED PENETRATION	STEEL
23	FASTENER	#8 X 1" PM SMS	STEEL
24	FSP 036	TUBE SUPPORT FOR COMPONENT ⑦	6063-T6 ALLOY
25	FSP 037	STILE FITTING INSERT	6063-T6 ALLOY
26	-	HANDLE (BY OTHERS) PLUS AMESBURY DOOR HARDWARE W/ (4) # 8x3/4" F.H. SMS TO STILE AT LOCK/KEEPER END.	— — —
27	-	WEATHER STRIP (POLYPROPILENO), W23261NK, ULTRAFAB, INC.	— — —
28	-	1/4" Ø TAPCON ANCHOR, ITW BUILDEX, INC	STEEL
29	-	SEALANT, WHITE COLOR SILICONE, FIXED PANEL JAMB STILES TO FRAME (INTERIOR AND EXTERIOR) AND FRAME CORNERS.	— — —



Approved as complying with the Florida Building Code
Date AUG 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Greg I. Chmura

GLAZING DETAIL (SECTION)

SCALE: 1"=1"

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

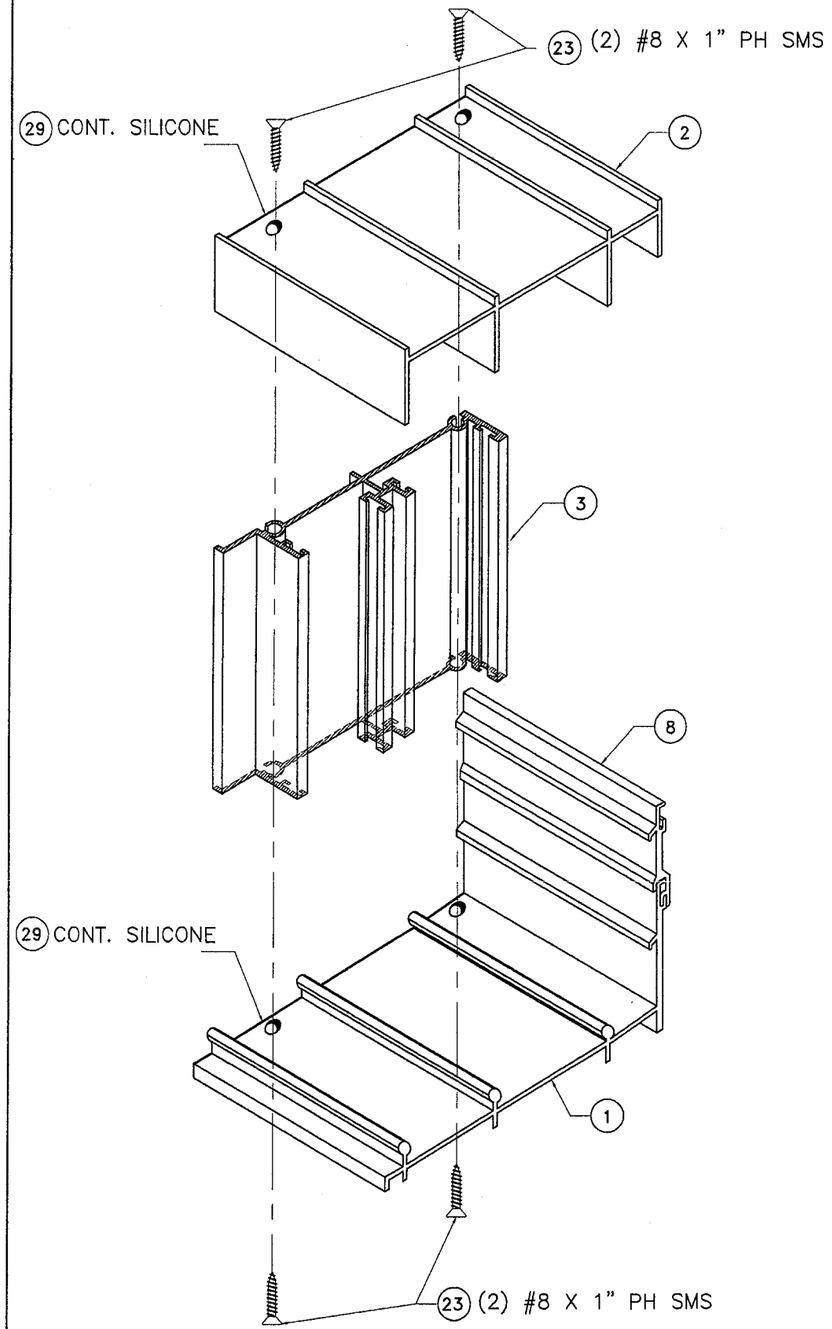
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

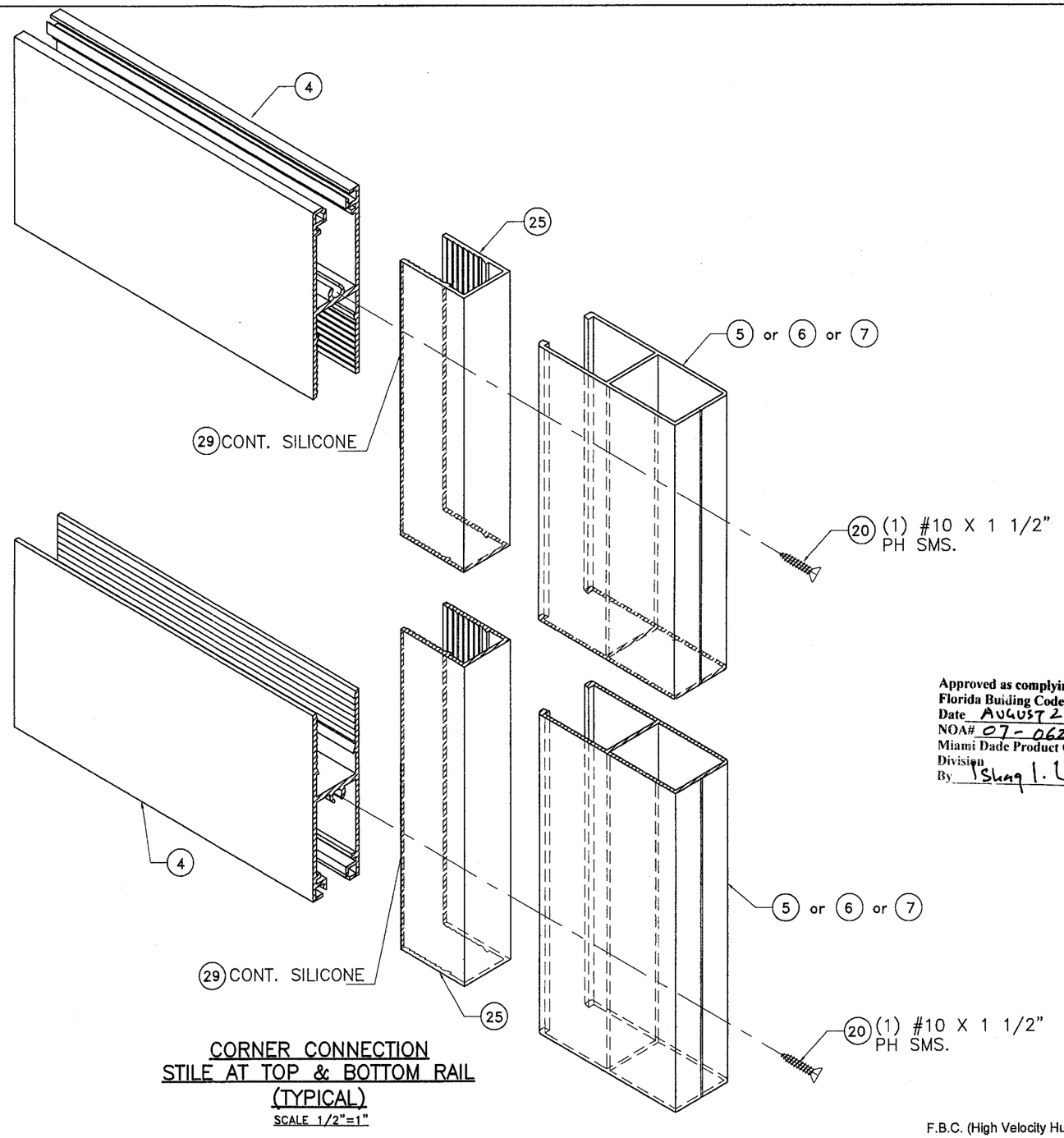
Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

DRAWN BY: M.C.V.
4/30/07 DATE
07-110 DRAWING No
SHEET 15 OF 16



CORNER CONNECTION
AT FRAME HEAD & SILL
SCALE 1/2"=1"



CORNER CONNECTION
STILE AT TOP & BOTTOM RAIL
(TYPICAL)
SCALE 1/2"=1"

Approved as complying with the Florida Building Code
Date AUGUST 23, 2007
NOA# 07-0621.06
Miami Dade Product Control Division
By Shaq I. Uhanda

F.B.C. (High Velocity Hurricane Zone)

© 2007 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl 33166
Phone : (305)871-1530 . Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. 44167

6/8/07

SERIES 2007 SLIDING GLASS DOOR
LARGE MISSILE IMPACT RESISTANT

DRAWN BY: M.C.V.

Florida Coastal Protective Mfg. Inc.
6950 N.W. 37 COURT
HIALEAH, FL 33147
PHONE: (305) 696-3976 / FAX: (305) 696-3976

4/30/07 DATE

07-110 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1			3		
2			4		

SHEET 16 OF 16