



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Industrial Millwork Corp.
880 US Hwy #36
Seneca, KS 66538

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 the High Velocity Hurricane Zone.

DESCRIPTION: Series "Tener" Wood Entry Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. LAG-TEN, titled "Tener Wood Entry Doors", sheets 1 through 9 of 9, dated 04/05/04 with revision #1 dated 7/22/09, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William D. Cook, P.E. bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

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 and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **revises and renews** NOA # 04-0427.05 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



NOA No. 09-0511.05
Expiration Date: August 5, 2014
Approval Date: August 19, 2009
 Page 1

Industrial Millwork Corp.

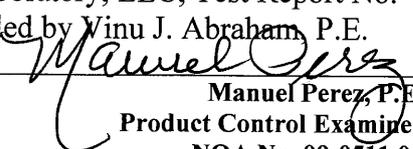
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **LAG-TEN**, titled "Tener Wood Entry Doors", sheets 1 through 9 of 9, dated 04/05/04 with revision #1 dated 7/22/09, prepared by Bromley-Cook Engineering, Inc. signed and sealed by William D. Cook, P.E.

B. TESTS (All submitted under previous NOA#04-0427.05)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 1, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-0422-03**, dated 04/17/03, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 1, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-1206-02**, dated 12/04/02, signed and sealed by Vinu J. Abraham, P.E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 2, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-1206-02**, dated 12/19/02, signed and sealed by Vinu J. Abraham, P.E.
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 3, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-1206-02**, dated 01/10/03, signed and sealed by Vinu J. Abraham, P.E.
5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Water Resistance Test, per FBC, TAS 202-94
3) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 10, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-1206-02**, dated 01/31/03, signed and sealed by Vinu J. Abraham, P.E.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0511.05
Expiration Date: August 5, 2014
Approval Date: August 19, 2009

Industrial Millwork Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED) (All submitted under previous NOA#04-0427.05)

6. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 1, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-0909-02**, dated 09/06/02, signed and sealed by Vinu J. Abraham, P.E.
7. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of a stile and rail wood entry door, specimen # 4, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0210-0909-02**, dated 02/17/03, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Bromley-Cook Engineering, dated 07/22/08, signed and sealed by William D. Cook, P.E.
Complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

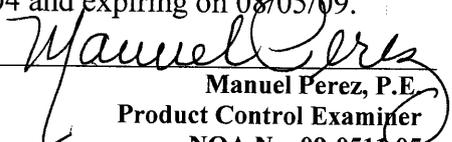
1. Notice of Acceptance No. **08-0709.04** issued to Nebula Glass International dba Glasslam N.G.I., Inc. for their "**Safety-Plus II Laminated Glass**" dated 09/11/08, expiring on 08/07/13.

F. STATEMENTS

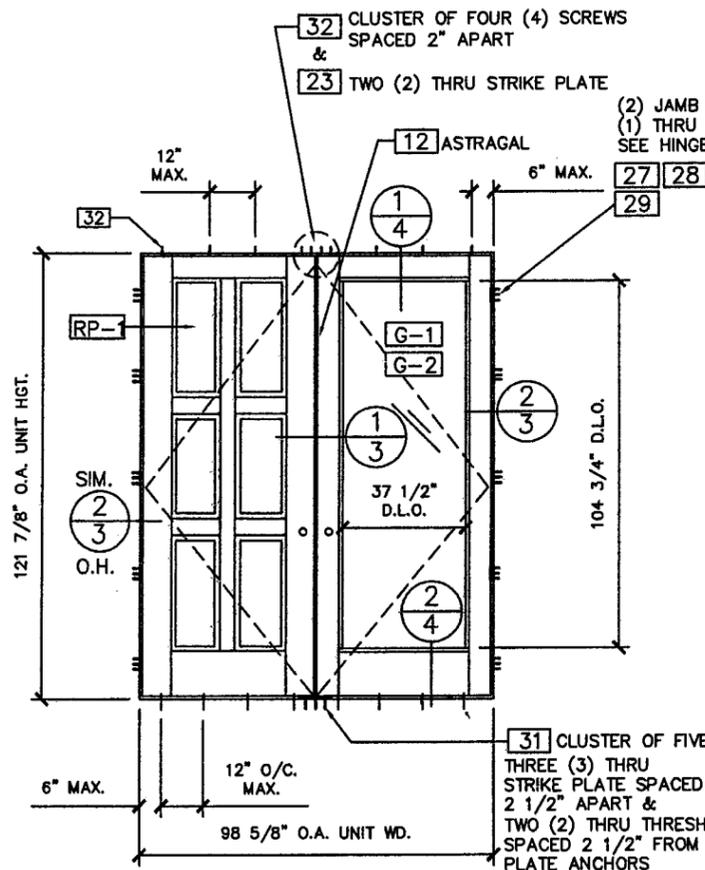
1. Statement letter of conformance dated February 21, 2004, signed and sealed by William D. Cook, P.E.
2. Statement letter of no financial interest, dated February 21, 2004, signed and sealed by William D. Cook, P. E.

G. OTHERS

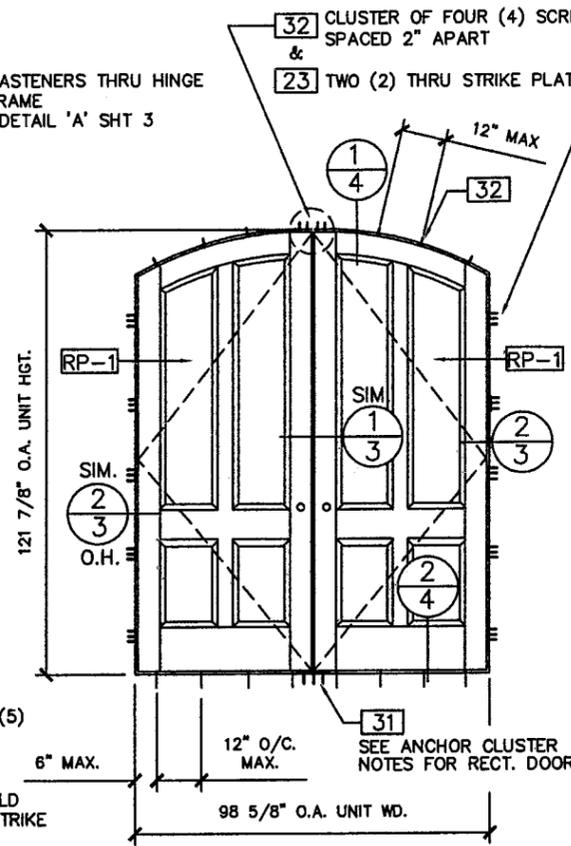
1. Notice of Acceptance No. **04-0427.05**, issued to Industrial Millwork Corp. for their Tener Series Wood Entry Door, approved on 08/05/04 and expiring on 08/05/09.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0511.05
Expiration Date: August 5, 2014
Approval Date: August 19, 2009

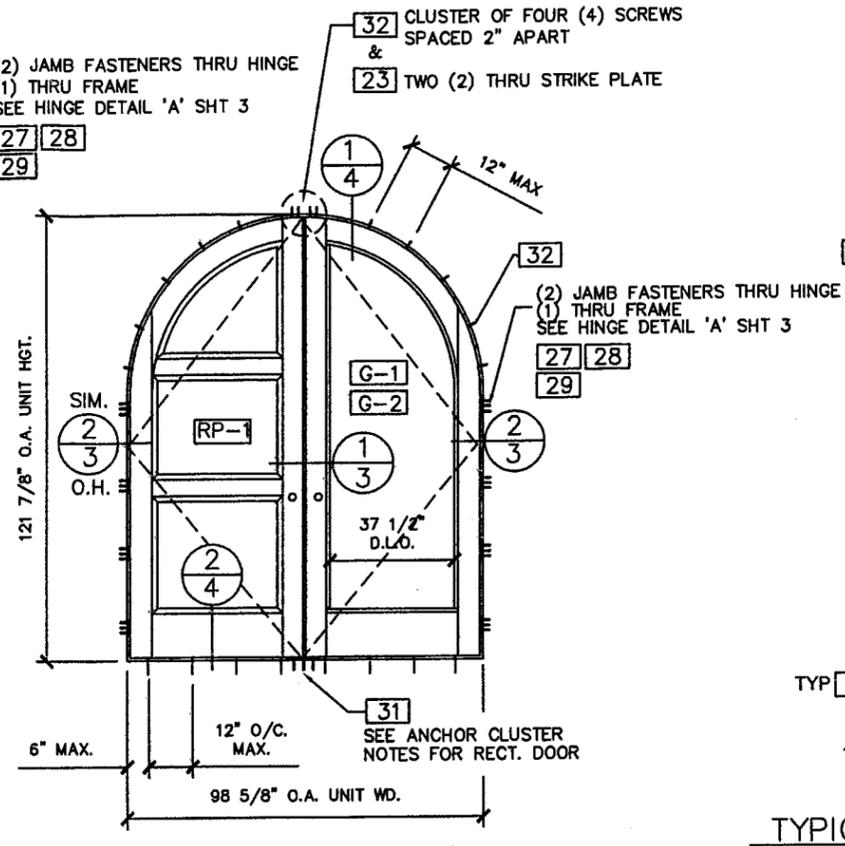
TENER SERIES WOOD DOORS



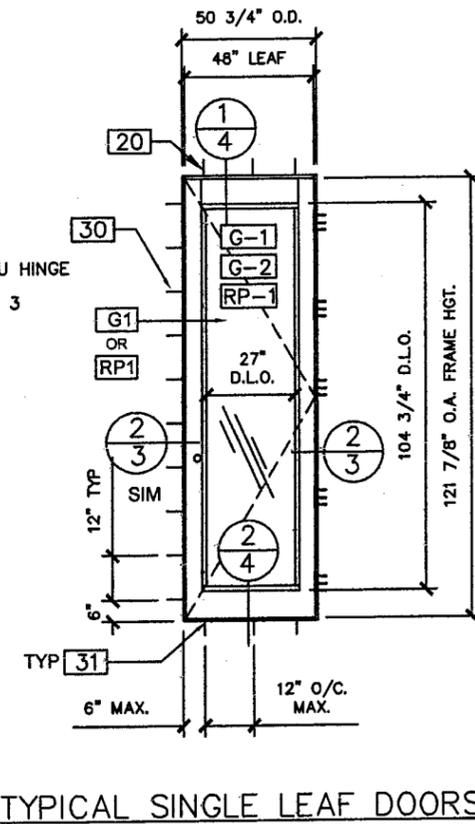
RECTANGULAR DOOR



EYEBROW TOP DOOR



ARCHED TOP DOOR

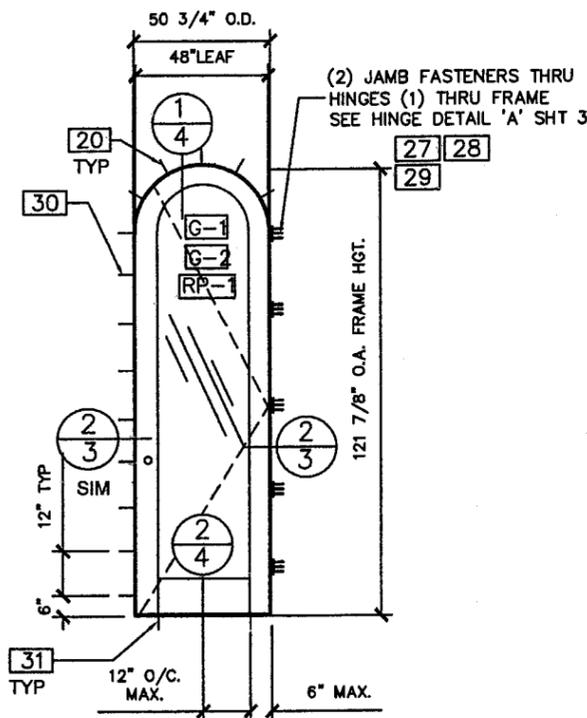


TYPICAL SINGLE LEAF DOORS

ELEVATIONS VIEWED FROM EXTERIOR
 OUT-SWING DOORS SHOWN
 IN-SWING DOORS ARE SAME
 DETAILS EXCEPT FRAMES ARE
 INSTALLED REVERSE
 FOR IN-SWING DOOR THRESHOLD
 SEE DETAILS 2A & 3A ON SHEET 4.

GENERAL NOTES:

- 1) THIS DOOR SYSTEM TESTED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED. WIND LOADS SHALL NOT EXCEED THOSE SHOWN IN THE LOAD TABLES.
- 2) THIS DOOR DESIGNED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE, HVHZ REGION. TESTING AS PER DADE COUNTY PROTOCOLS PA-201, 202 & 203.
- 3) WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. BUCKS SHALL BE DESIGNED BY PROFESSIONAL OF RECORD.
- 4) BUCK FASTENERS SHALL NOT EXCEED 16" O.C. SPACING. FASTENER EMBEDMENT INTO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 5) 33% WIND LOAD INCREASE NOT USED IN THE DESIGN OF THE SYSTEM AND ANCHORS.



TYPICAL SINGLE LEAF DOORS
 VIEWED FROM EXTERIOR

DOOR PANEL GLAZING/INFILL OPTIONS

G1	TYPICAL GLAZING (SEE GLAZING DETAIL "4/3") 7/16" LAMINATED GLAS-LAM "SAFETY PLUS" 2 - 3/16" TEMP. - .100" POLYESTER RESIN CORE - WITH .010" PET FILM - 3/16" TEMP. - P.E.T. FILM EXTENDS 1 1/8" PAST GLASS EDGE TYP. -
G2	INSULATED GLAZING (SEE GLAZING DETAIL "5/3") 1" INSULATED GLAS-LAM "SAFETY PLUS" 2 1/8" ANN. - .125" POLYESTER RESIN CORE WITH .010" PET FILM 1/8" TEMP. - 1/2" AIRSPACE - 1/8" TEMP. INSIDE LITE - P.E.T. FILM EXTENDS 1" PAST GLASS EDGE TYP. -
RP1	TYPICAL WOOD PANEL (SEE WOOD PANEL DETAIL "4/4") RAISED WOOD PANEL, MAHOGANY 1 1/2" THICK @ CENTER 5/8" THICK @ EDGES

DOOR PANEL MAY BE RAISED WOOD PANEL
 OR GLAZED OR COMBINATIONS
 REFER TO SHEETS 6 AND 7 FOR PANEL OPTIONS

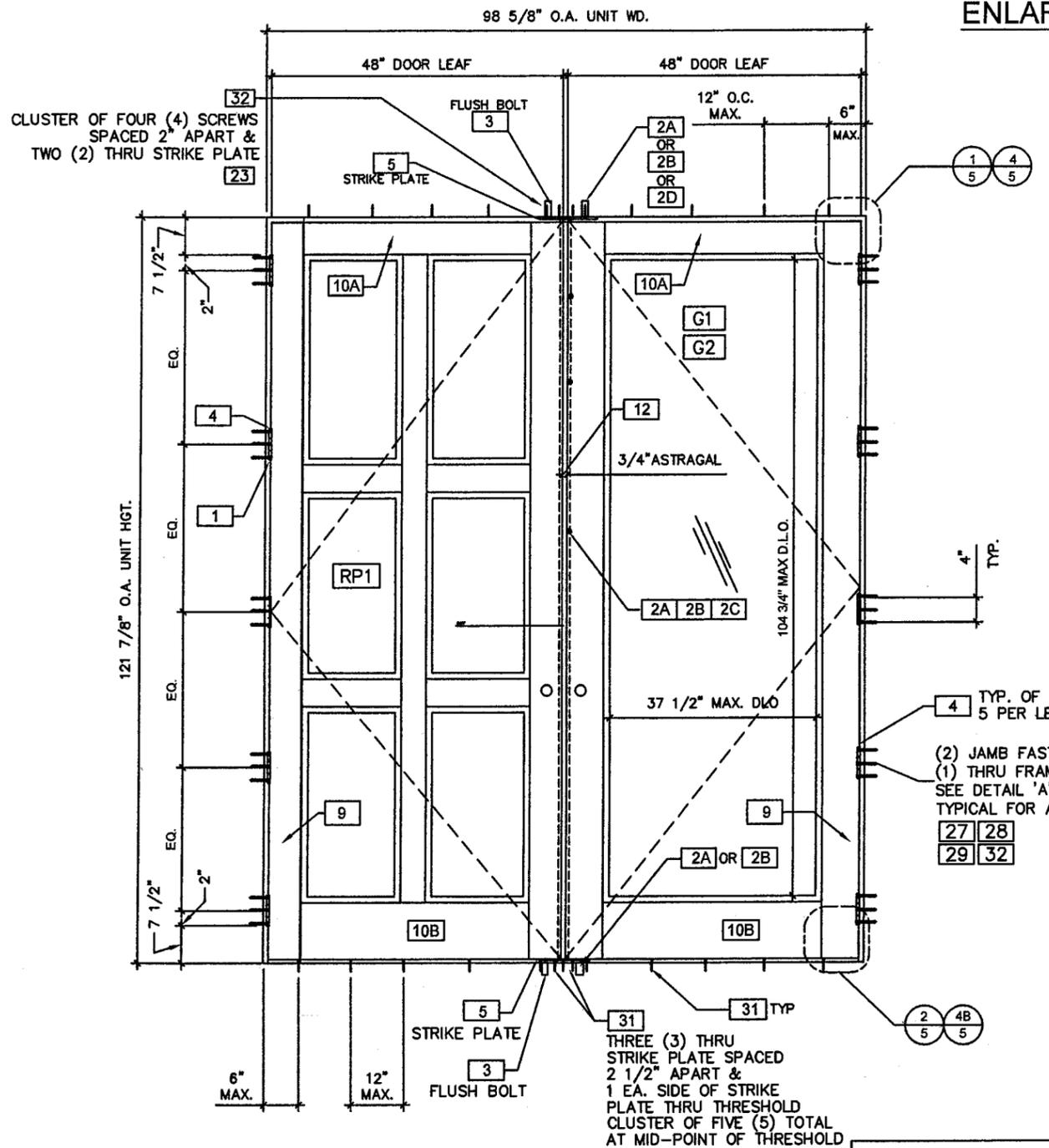
**MAXIMUM ALLOWABLE WIND PRESSURE FOR
 LARGE MISSILE IMPACT DOORS:
 SEE CHARTS ON SHEET 9**

HARDWARE:
 G-U : MULTI-POINT HARDWARE
 W & F : MULTI-POINT HARDWARE
 KWKSET TITAN SERIES CYLINDER LOCK & DEAD BOLT
 GRADE-2 OR SIM. SEE SHEET 2 FOR DETAILS

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Approval No. 09-0511.05
 Expiration Date AUG. 5, 2014
 By *Manuel Perez*
 Miami/Deade Product Control
 Division

NO.	REVISION DESCRIPTION	BY	DATE
1	GENERAL REVS FOR NOA RENEWAL	M.G.	7/22/09
TENER WOOD ENTRY DOORS			
LAG DESIGN INDUSTRIAL MILLWORK CORP WEST H/WAY 36 SENECA, KS 66538 (800)462-3667			
BROMLEY - COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD. AVENUE SUITE 100 FT. LAUDERDALE, FL 33309 WILLIAM D. COOK, P.E. FLA. P.E. NO. 43904 CERT. OF AUTH. #00009124 CERT. FL S.I. #2004			
CERTIFICATION			
JUL 29 2009			
DATE: 04/05/04			
DRAWING NO: LAG-TEN			
SHEET NO: 1 OF 9			

ENLARGED ELEVATIONS



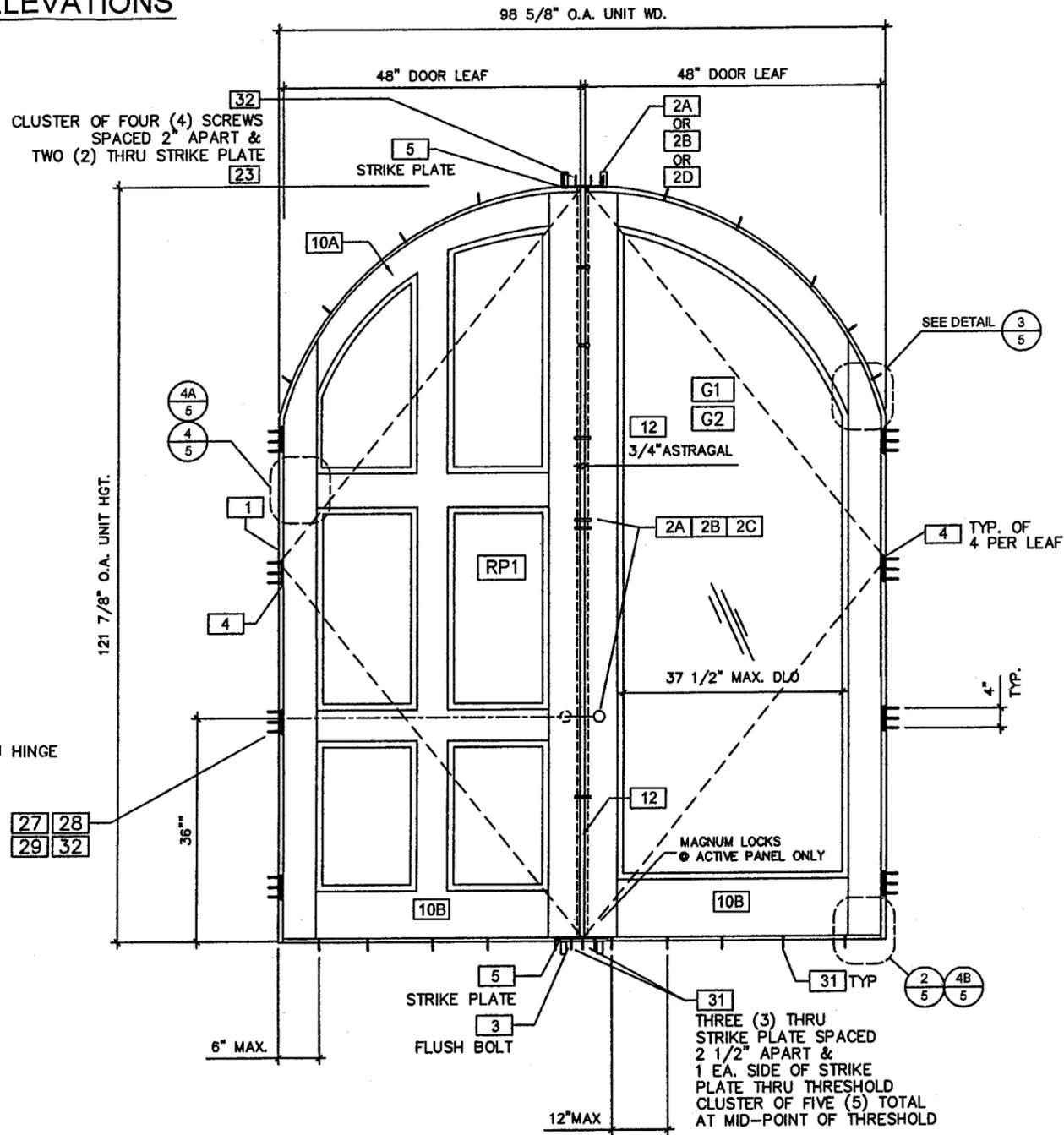
ELEVATION OF OUTSWING WOOD DOORS

(UNIT SHOWN FROM EXTERIOR)
SCALE: 1/2" = 1'-0"
NOTE: FOR INSWING DOORS DETAILS ARE SAME EXCEPT FRAMES ARE INSTALLED REVERSED.

HARDWARE:
W & F MANUFACTURING:
ACTIVE LEAF: TRILIAN 3 POINT LOCK w/ MAGNUM SLIDE BOLT TOP & BOTTOM
INACTIVE LEAF: G.U. DOUBLE ACTING FLUSH BOLT.

KWKSET:
ACTIVE LEAF: TITAN SERIES CYLINDER LOCK & DEAD BOLT W / MAGNUM SLIDE BOLT @ HEAD AND SILL
INACTIVE LEAF: G.U. DOUBLE ACTING FLUSH BOLT.

G.U. CREMONA:
ACTIVE LEAF: 6 POINT DOOR BOLT SYSTEM
INACTIVE LEAF: G.U. DOUBLE ACTING FLUSH BOLT.

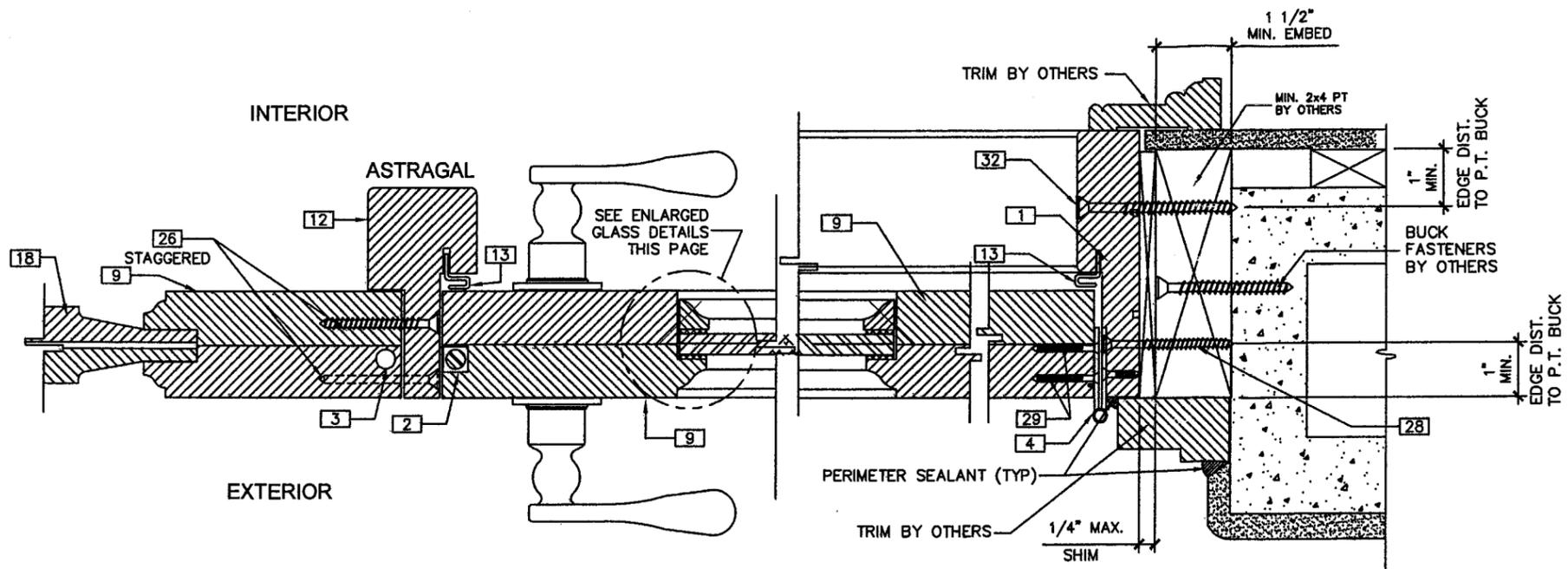


ELEVATION OF OUTSWING ARCHED TOP DOORS

(UNIT SHOWN FROM EXTERIOR)
SCALE: 1/2" = 1'-0"
NOTE: FOR INSWING DOORS DETAILS ARE SAME EXCEPT FRAMES ARE INSTALLED REVERSED.

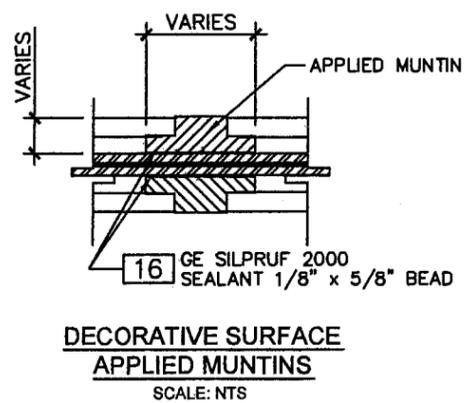
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 09-0511.05
Expiration Date 05/5, 2014
By *Manuel Jue*
Miami Dade Product Control Division

NO.	REVISION DESCRIPTION	BY	DATE
1	GENERAL REV'S FOR NOA RENEWAL	M.G.	7/22/09
TENER WOOD ENTRY DOORS			
LAG DESIGN INDUSTRIAL MILLWORK CORP WEST H/WAY 36 SENECA, KS 66538 (800)462-3667			
BROMLEY - COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD. AVENUE SUITE 100 FT. LAUDERDALE, FL 33309 WILLIAM D. COOK, P.E. FLA. P.E. NO. 43904 CERT. OF AUTH. #00009124 FL S.I. #2004			
CERTIFICATION	JUL 29 2009		
DATE:	04/05/04		
DRAWING NO:	LAG-TEN		
SHEET NO:	2 OF 9		

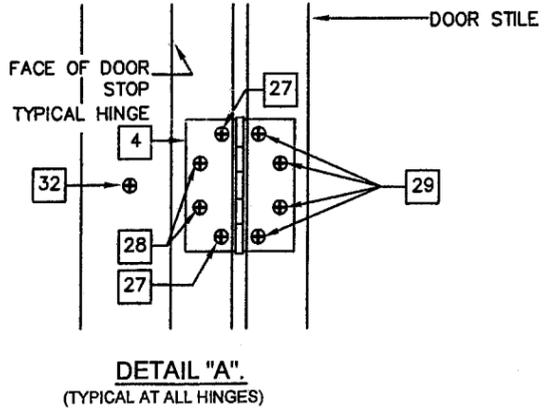


1 ASTRAGAL DETAIL
3 1/2"=1"

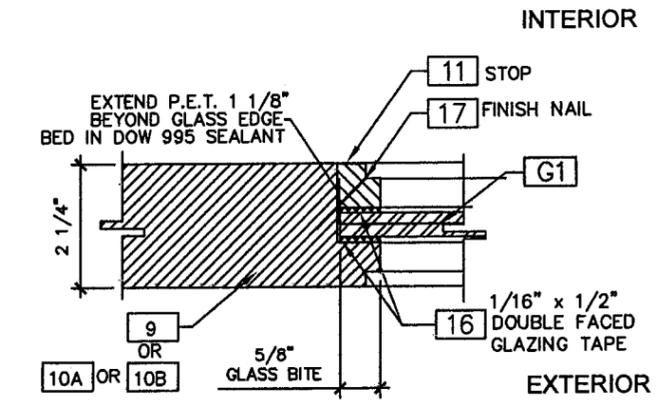
2 JAMB DETAIL
3 1/2"=1"



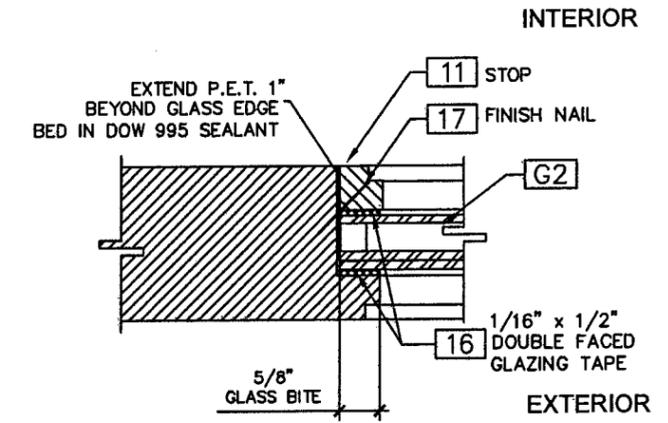
DECORATIVE SURFACE APPLIED MUNTINS
SCALE: NTS



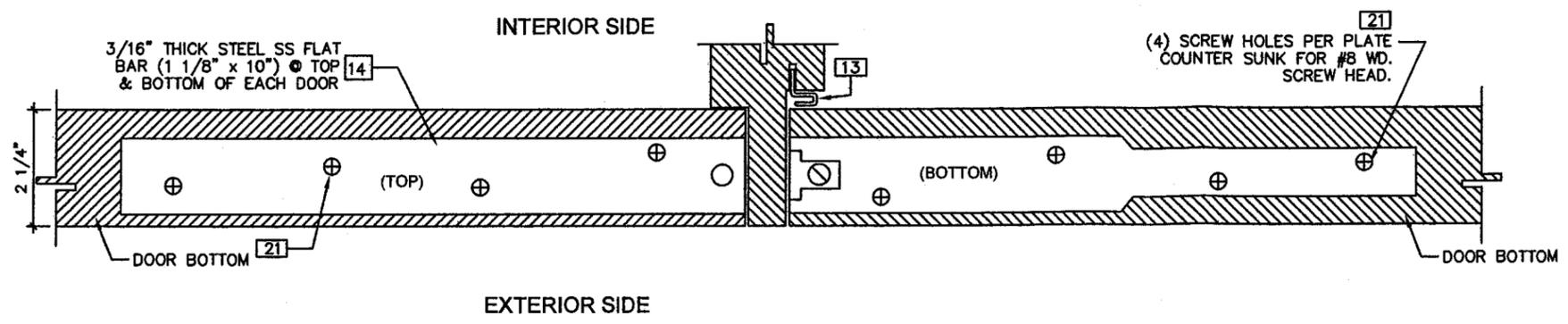
DETAIL "A"
(TYPICAL AT ALL HINGES)



4 GLASS DETAIL FOR IMPACT DOORS
3



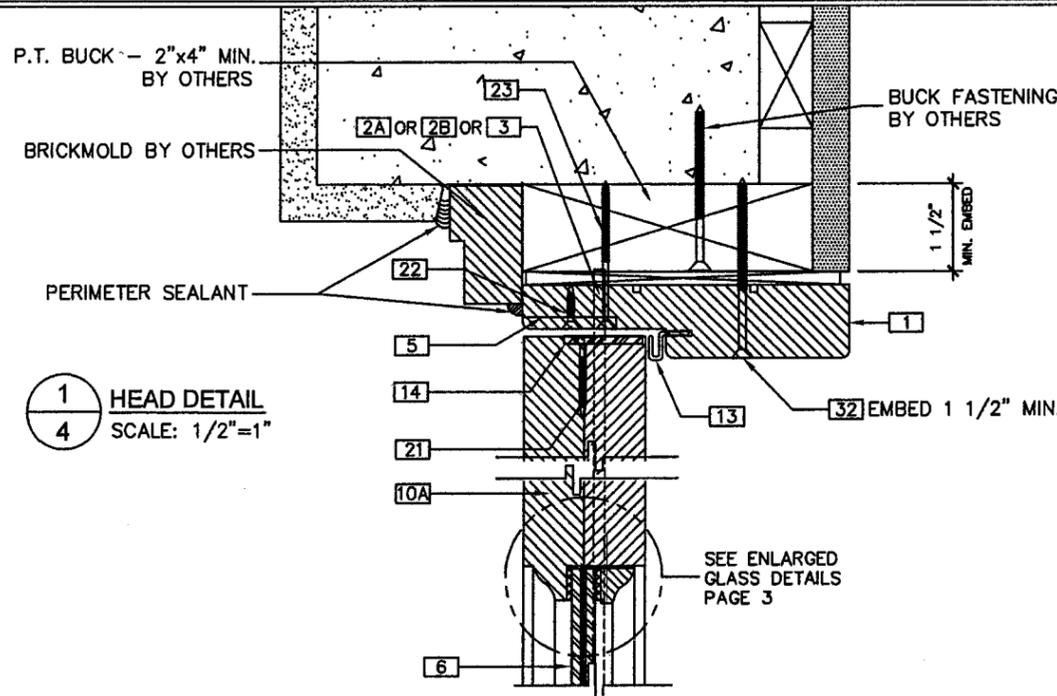
5 INSULATED GLASS DETAIL FOR IMPACT DOORS
3



3 STEEL FLAT BAR DETAILS
(APPLIED TO TOP AND BOTTOM OF EACH DOOR)
SCALE: HALF SCALE

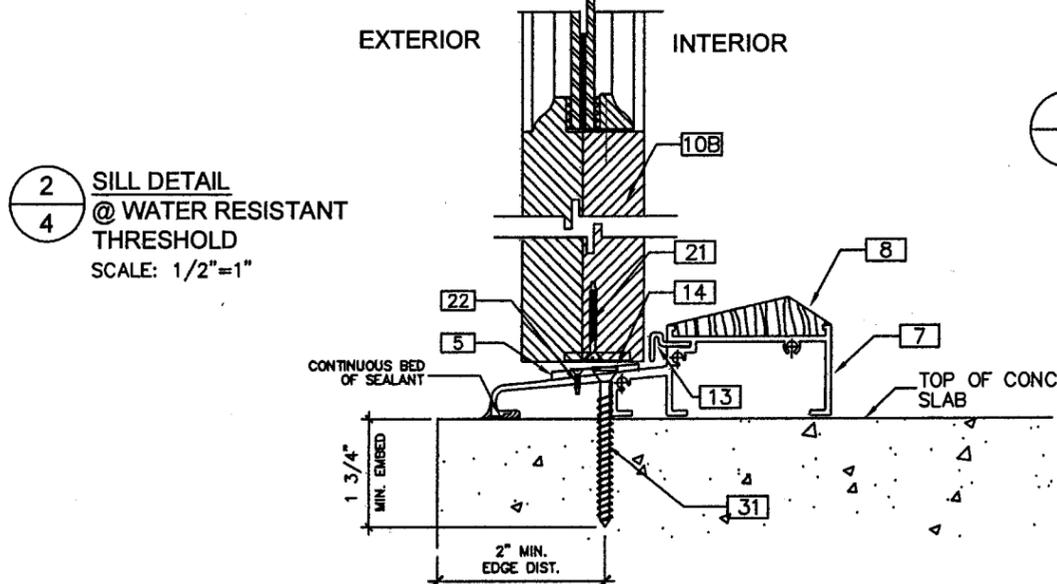
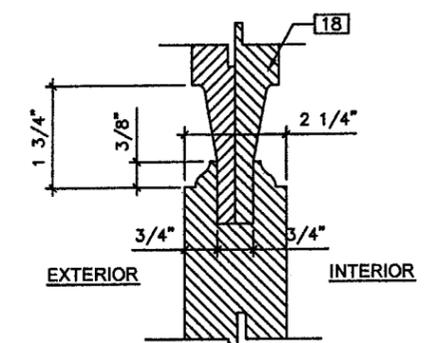
PRODUCT REVISED
as complying with the Florida
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By *Manuel Perez*
Miami Made Product Control
Division

NO.	REVISION DESCRIPTION	BY	DATE
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TENER WOOD ENTRY DOORS			
BROMLEY - COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD. AVENUE SUITE 100 FT. LAUDERDALE, FL 33309 WILLIAM D. COOK, P.E. FLA. P.E. NO. 43904 CERT. OF AUTH. #00009124 FL S.I. #2004			
LAG DESIGN INDUSTRIAL MILLWORK CORP WEST H/WAY 36 SENECA, KS 66538 (800)462-3667			
CERTIFICATION	JUL 29 2009		
DATE:	04/05/04		
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SHEET NO:	3 OF 9		



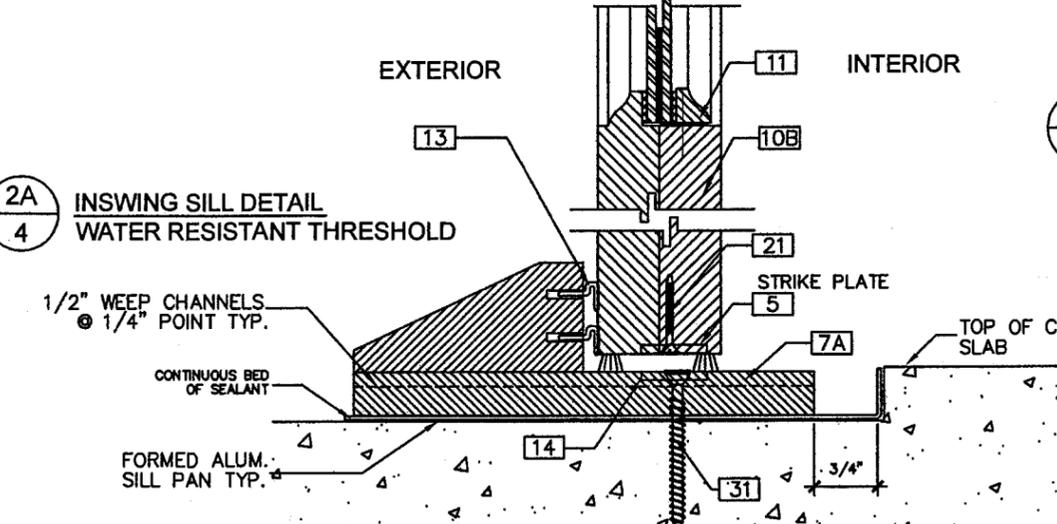
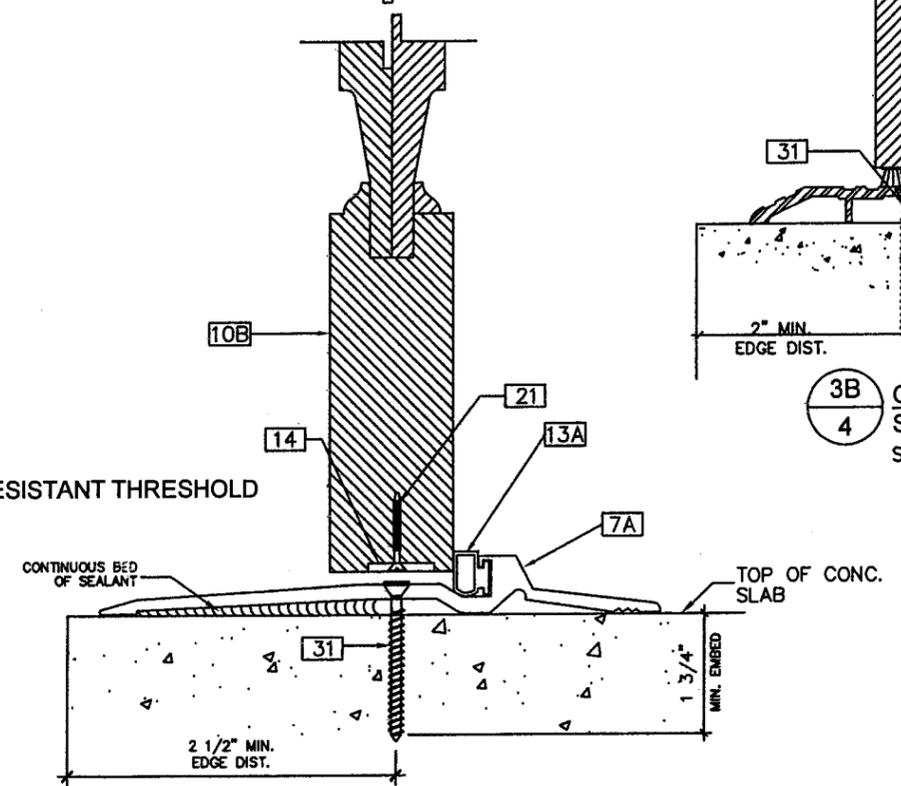
1 HEAD DETAIL
4 SCALE: 1/2"=1"

4 WOOD PANEL DETAIL
4 SCALE: 1/2"=1"

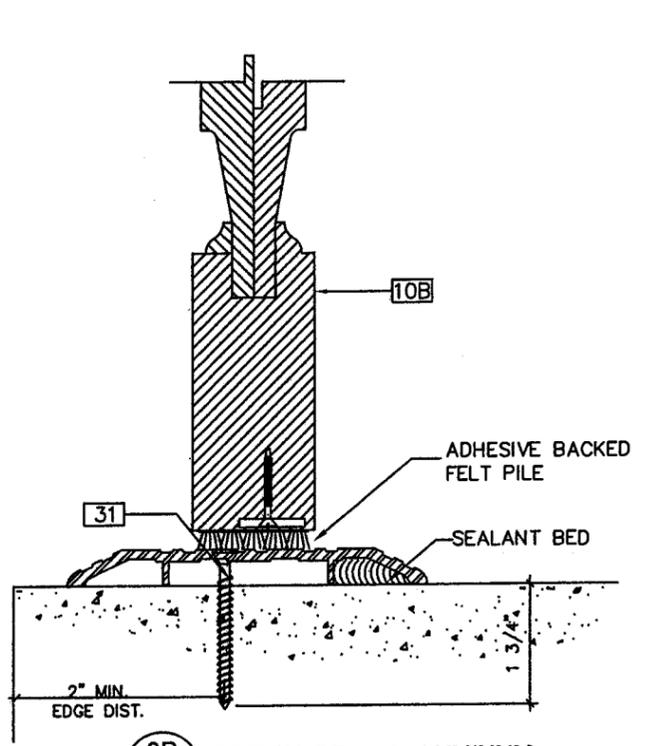
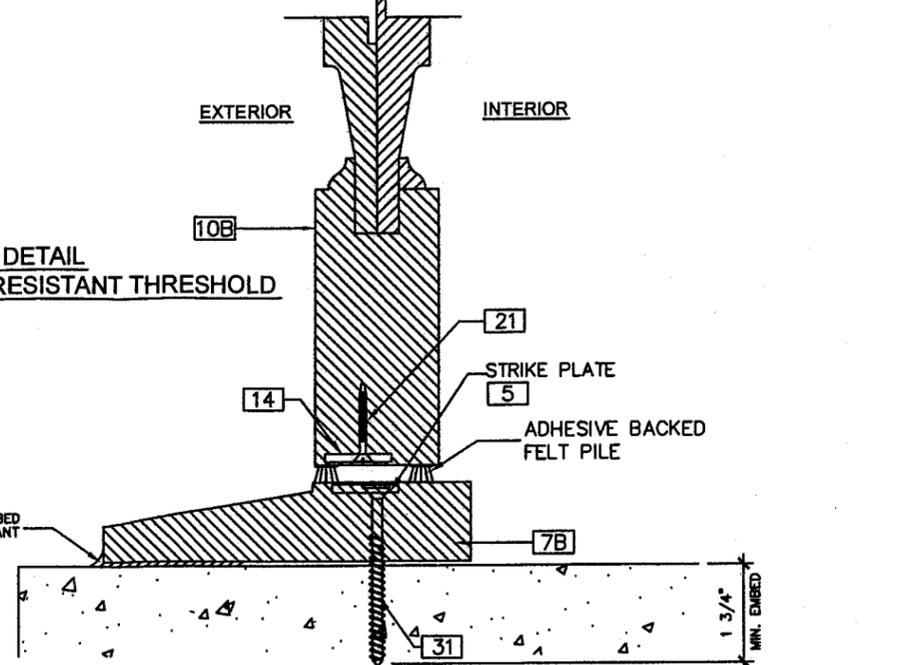


2 SILL DETAIL
4 @ WATER RESISTANT THRESHOLD
SCALE: 1/2"=1"

3 SILL DETAIL
4 NON-WATER RESISTANT THRESHOLD
SCALE: 1/2"=1"



3A INSWING SILL DETAIL
4 NON-WATER RESISTANT THRESHOLD



3B OPTION: PEMKO ALUMINUM
4 SADDLE THRESHOLD
SCALE: 1/2"=1"

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to comply with the Florida
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Miami Code Product Control
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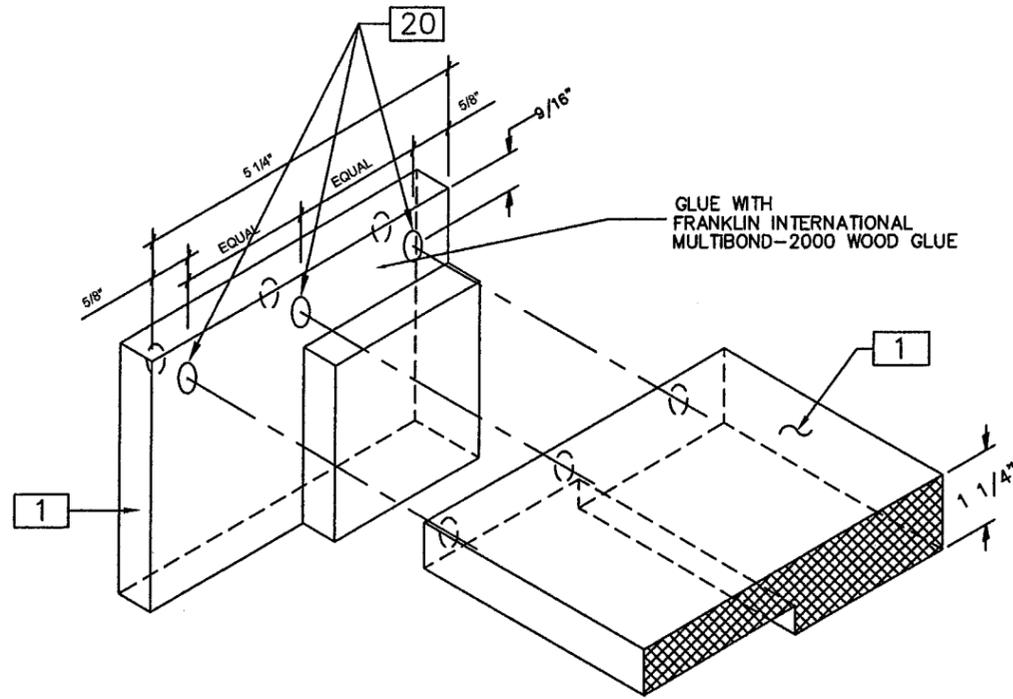
TENER WOOD ENTRY DOORS

LAG DESIGN
INDUSTRIAL MILLWORK CORP
WEST H/WAY 36 SENECA, KS 66538
(800)462-3667

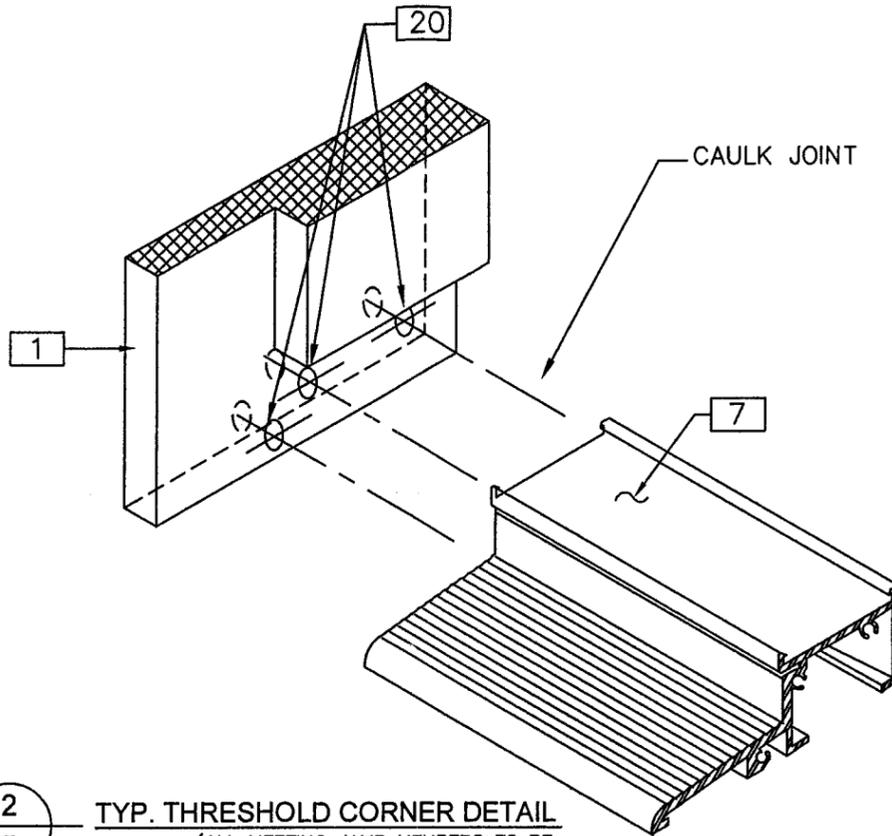
BROMLEY - COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD. AVENUE SUITE 100
FT. LAUDERDALE, FL 33309
WILLIAM D. COOK, P.E.
FLA. P.E. NO. 43904
CERT. OF AUTH. #00009124
FL S.I. #2004

CERTIFICATION
Manuel Puz
JUL 29 2009

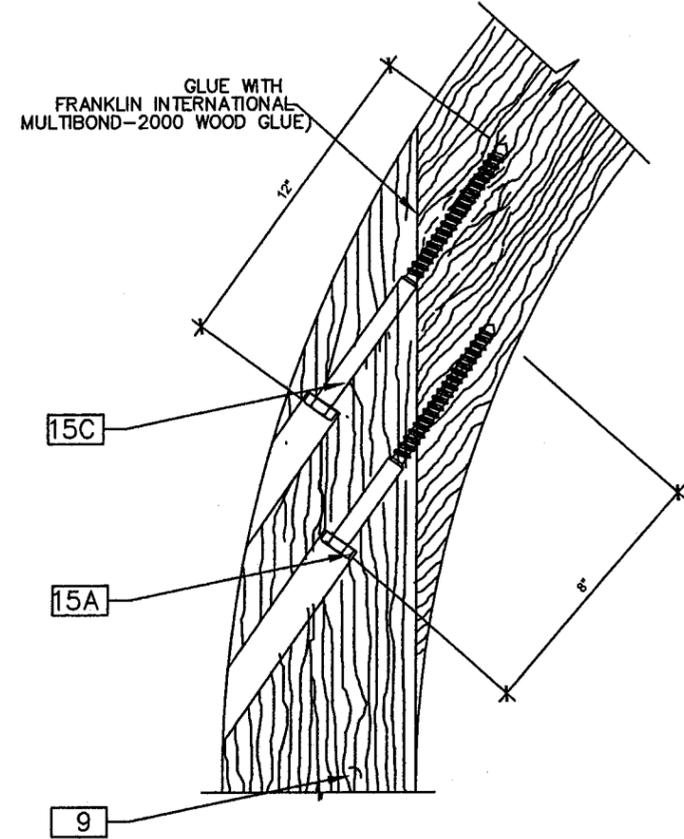
DATE:
04/05/04
DRAWING NO:
LAG-TEN
SHEET NO:
4 OF 9



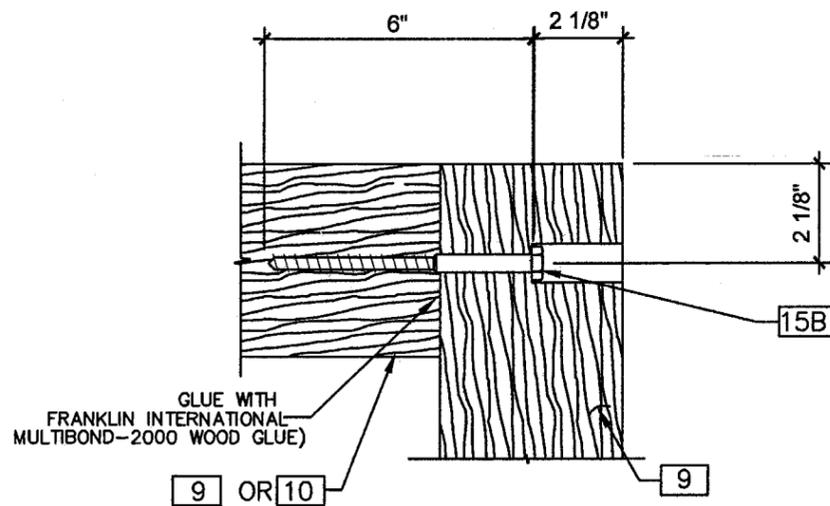
1
5 TYP. FRAME CORNER DETAIL
(ALL MEETING JAMB MEMBERS TO BE SCREWED AT ALL CORNERS)
SCALE: NTS



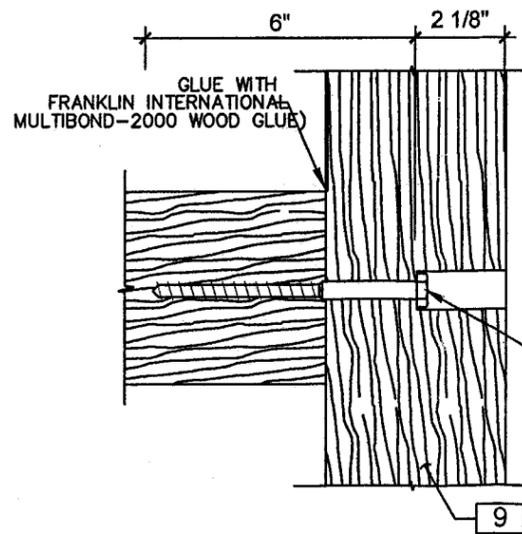
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5 TYP. THRESHOLD CORNER DETAIL
(ALL MEETING JAMB MEMBERS TO BE SCREWED AT ALL CORNERS)
SCALE: NTS



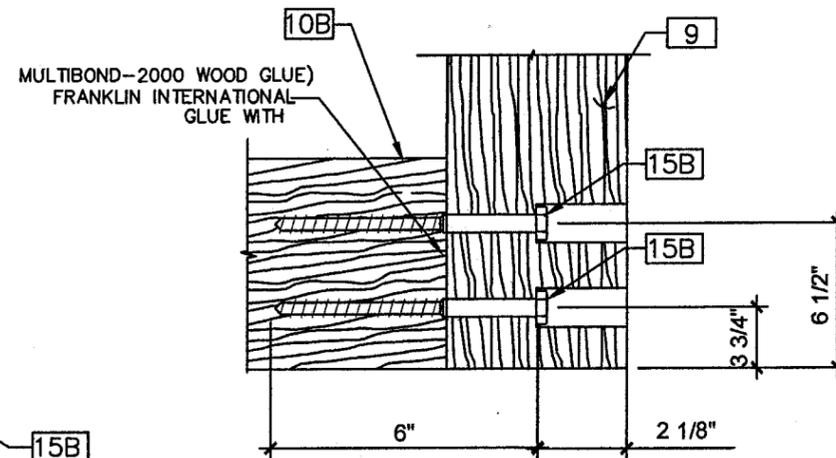
3
5 ARCHED DOOR PANEL CORNER DETAIL
SCALE: 1/4" = 1"



4
5 DOOR PANEL CORNER DETAIL
SCALE: 1/4" = 1"



4A
5 TYPICAL MEETING RAIL DETAIL
SCALE: 1/4" = 1"



4B
5 TYP. BOTTOM RAIL DETAIL
SCALE: 1/4" = 1"

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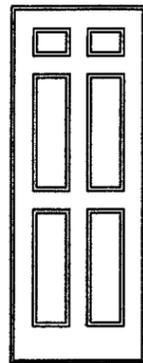
TENER WOOD ENTRY DOORS

LAG DESIGN
INDUSTRIAL MILLWORK CORP
WEST H/WAY 36 SENECA, KS 66538
(800)462-3667

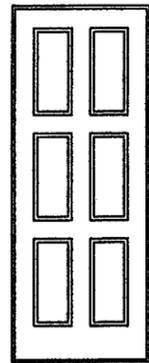
BROMLEY - COOK ENGINEERING, INC.
STRUCTURAL ENGINEERING SERVICES
5440 N.W. 33RD. AVENUE SUITE 100
FT. LAUDERDALE, FL 33309

CERTIFICATION
[Signature]
JUL 29 2009

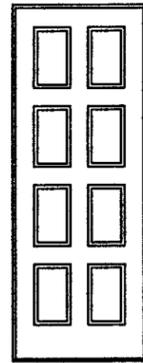
DATE: 04/05/04
DRAWING NO: LAG-TEN
SHEET NO: 5 OF 9



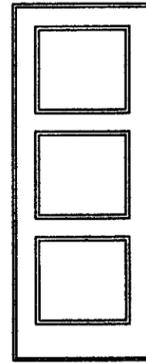
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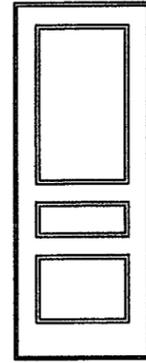
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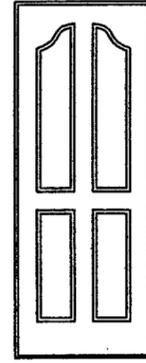
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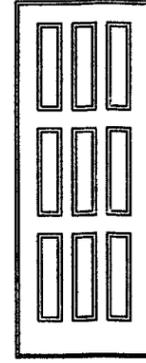
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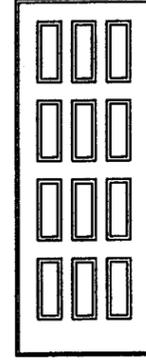
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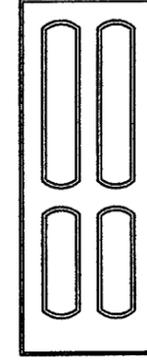
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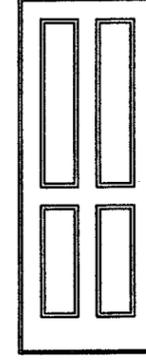
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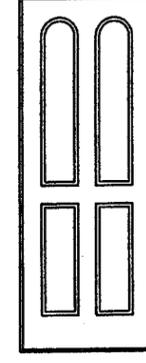
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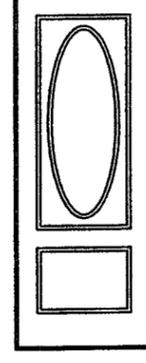
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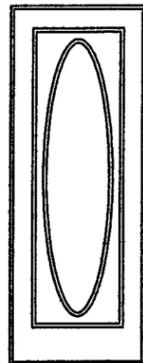
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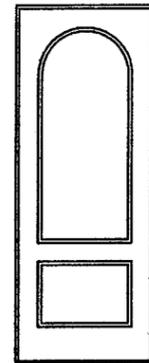
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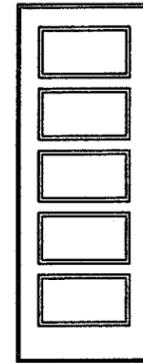
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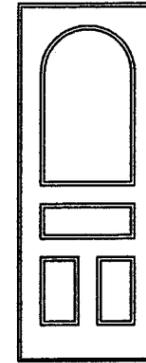
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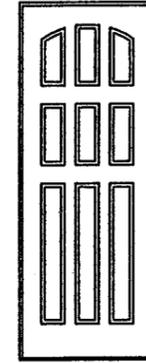
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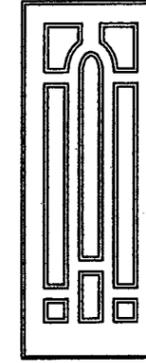
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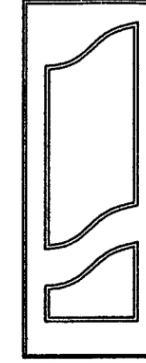
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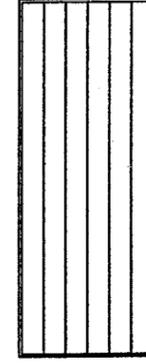
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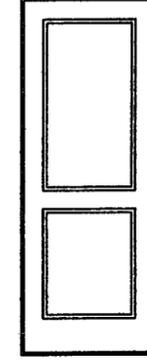
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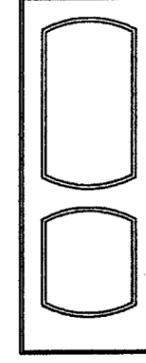
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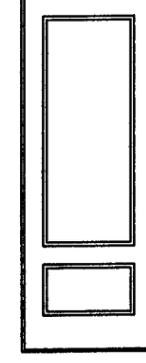
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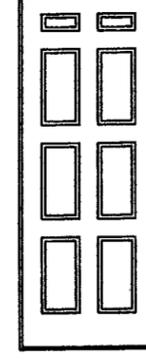
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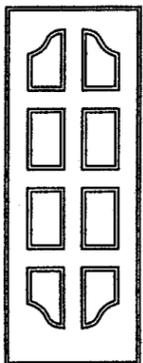
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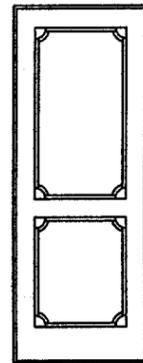
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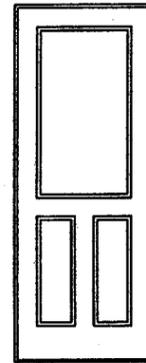
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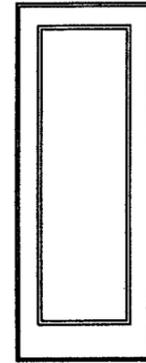
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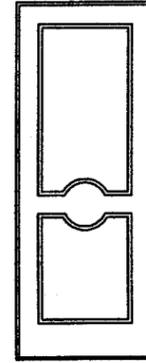
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D-145



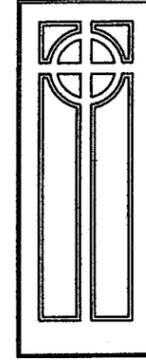
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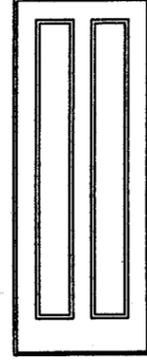
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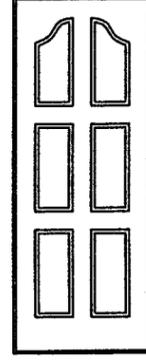
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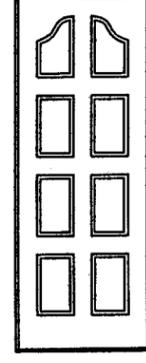
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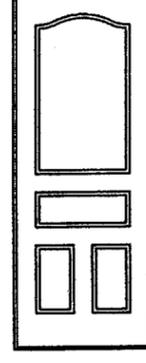
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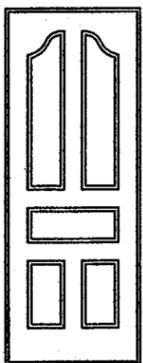
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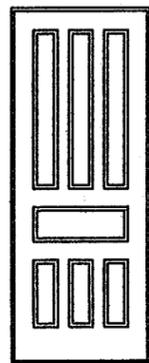
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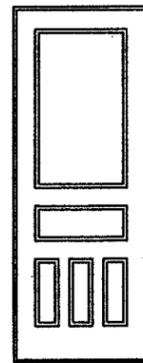
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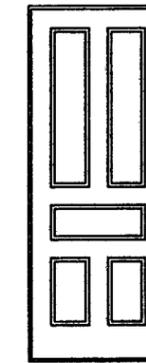
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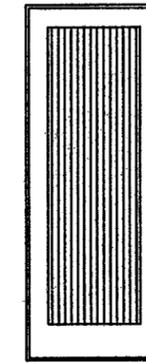
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D-581



D-584



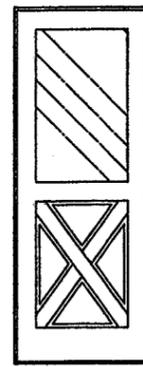
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NOTE: DOOR PANELS MAY BE RECTANGULAR OR ROUND TOP

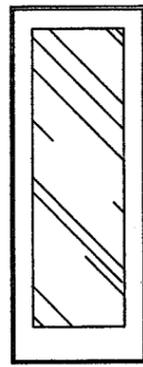
APPLICABLE SOLID WOOD RAISED PANEL DOORS

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 09-0511.05
 Expiration Date AUG. 5, 2014
 By *Manuel Perez*
 Miami Code Product Control
 Division

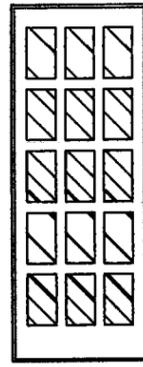
TENER WOOD ENTRY DOORS		NO.	1
REVISION DESCRIPTION	BY	DATE	
GENERAL REVS FOR NOA RENEWAL	M.G.	7/22/09	
BROMLEY - COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD. AVENUE SUITE 100 FT. LAUDERDALE, FL 33309		LAG DESIGN INDUSTRIAL MILLWORK CORP WEST H/WAY 36 SENECA, KS 66538 (800)462-3667	
CERTIFICATION	AUG 20 2009		
DATE:	04/05/04		
DRAWING NO:	LAG-TEN		
SHEET NO:	6 OF 9		



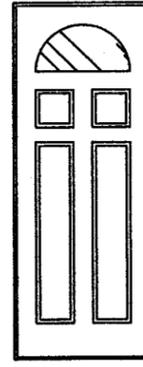
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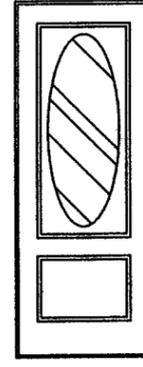
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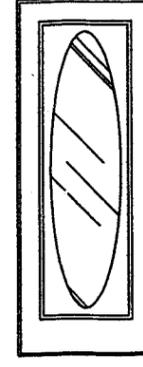
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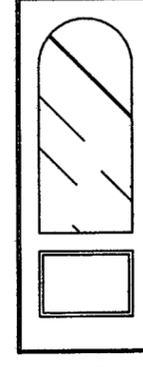
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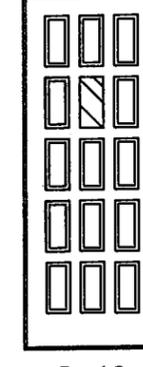
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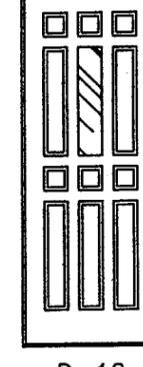
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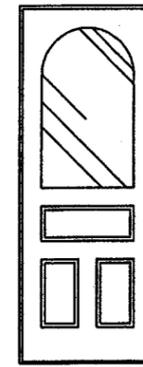
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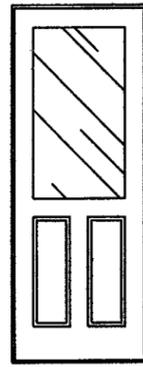
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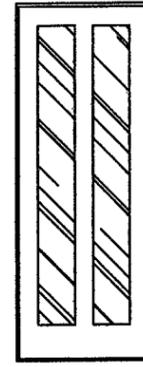
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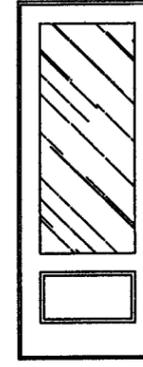
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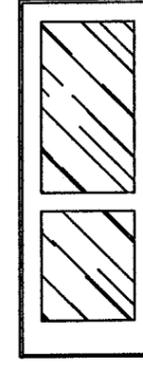
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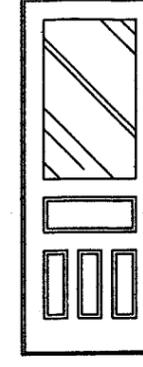
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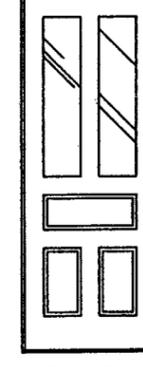
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D-820



D-580



D-582

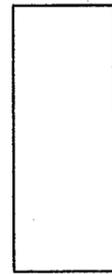
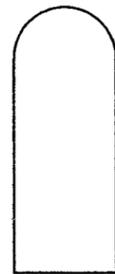


D-19



D-61

NOTE: DOOR PANELS MAY BE RECTANGULAR OR ROUND TOP



APPLICABLE GLAZED PANEL DOORS

NOTE: APPLIED MUNTINS USED FOR DIVIDED LIGHTS

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 09-0511.05 Expiration Date AUG. 5, 2014 By Manuel Ruiz Miami Code Product Control Division

CERTIFICATION

JUL 29 2009

DATE: 04/05/04

DRAWING NO: LAG-TEN

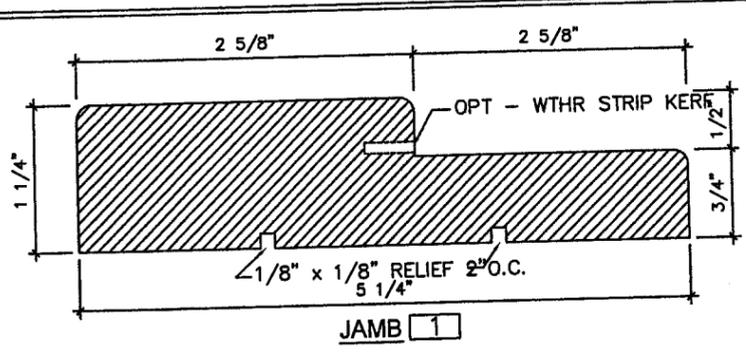
SHEET NO: 7 OF 9

TENER WOOD ENTRY DOORS

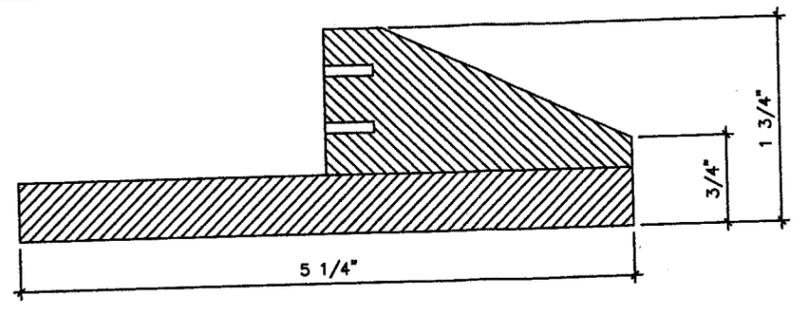
LAG DESIGN INDUSTRIAL MILLWORK CORP WEST H/WAY 36 SENECA, KS 66538 (800)462-3667

BROMLEY - COOK ENGINEERING, INC. STRUCTURAL ENGINEERING SERVICES 5440 N.W. 33RD. AVENUE SUITE 100 FT. LAUDERDALE, FL 33309

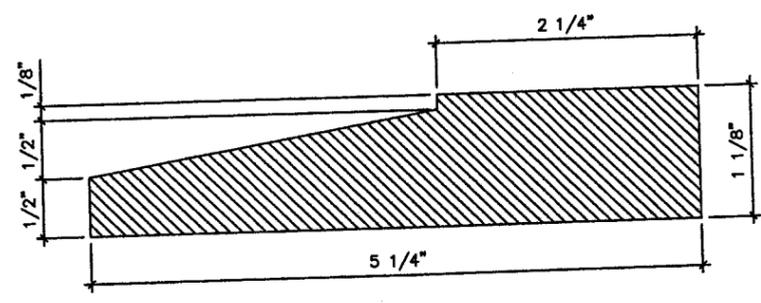
REVISION DESCRIPTION NO. 1 GENERAL REVS FOR NOA RENEWAL BY DATE M.G. 7/22/09



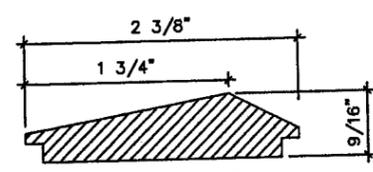
JAMB 1



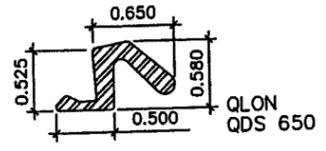
INSWING THRESHOLD 7A



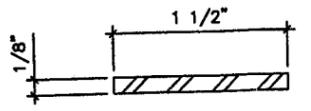
OPTIONAL INSWING THRESHOLD 7B



OAK CAP 8

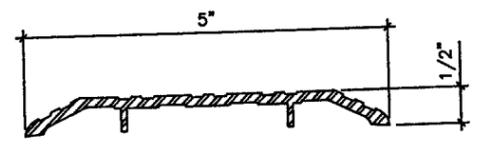


WEATHER STRIP 13

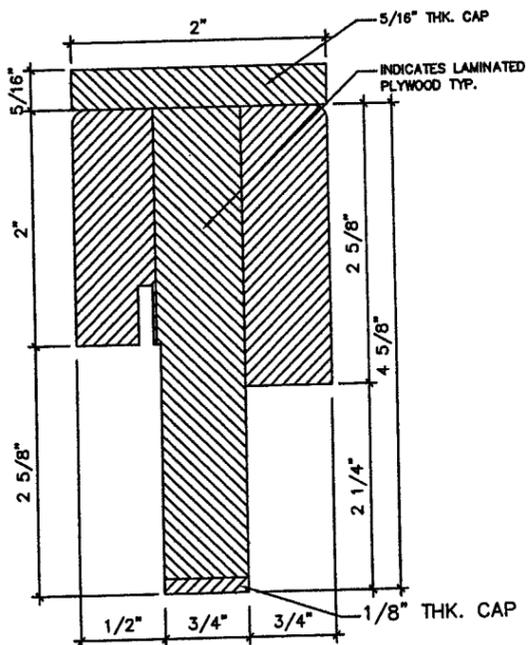


REINFORCING PLATE 14 (STEEL)

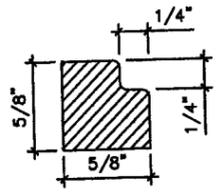
SEE DETAIL "2/4" FOR PLAN VIEW.



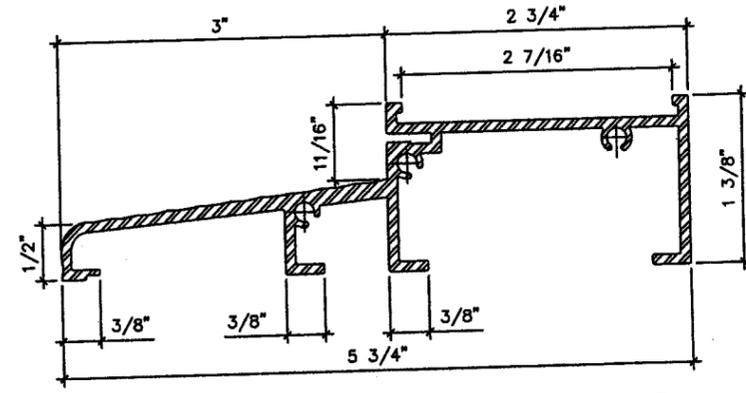
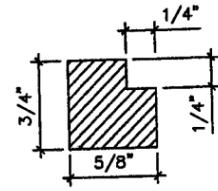
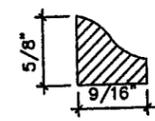
'PEMKO' SADDLE SILL 3B



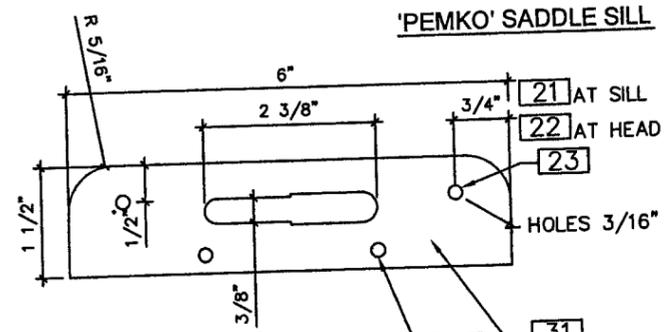
ASTRAGAL 12



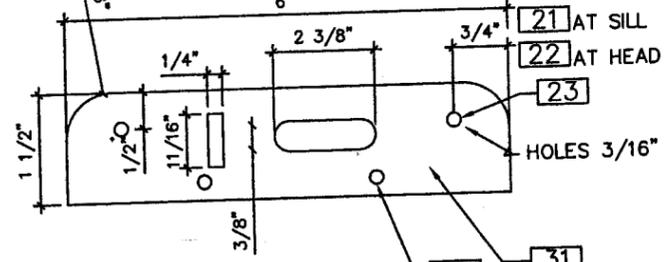
GLASS STOP 11



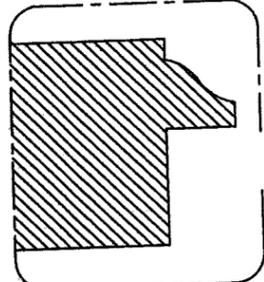
ALUMINUM THRESHOLD 7 (6063-T5)



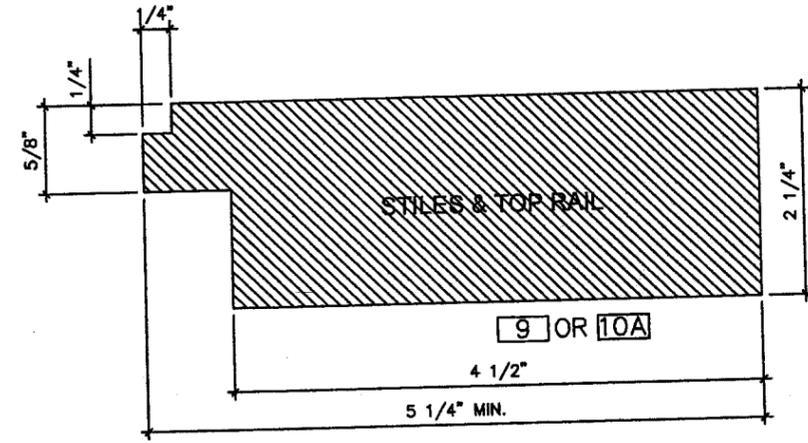
STRIKE PLATE 5 (6063-T5)



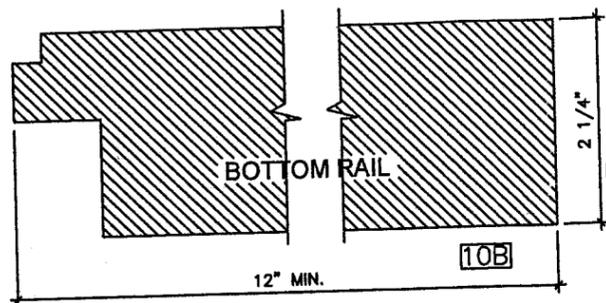
ALTERNATIVE STRIKE PLATE 5 (6063-T5)



ALTERNATE GLAZING STOP

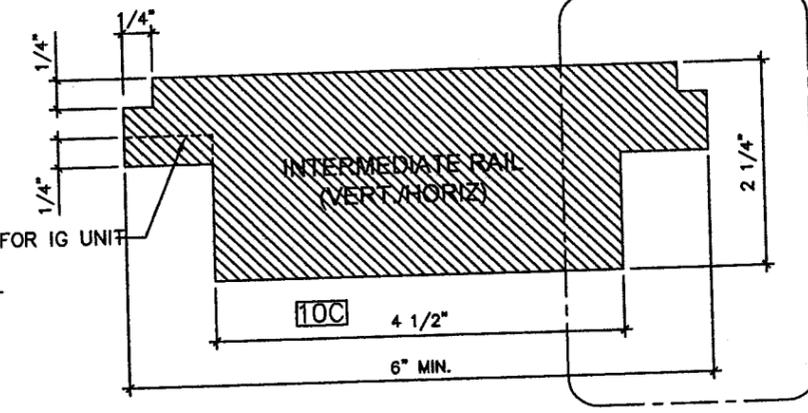


9 OR 10A



10B

STILES & RAILS SCALE: N.T.S.



10C

NO.	REVISION DESCRIPTION	BY	DATE
1	GENERAL REVS FOR NOA RENEWAL	M.G.	7/22/09

TENER WOOD ENTRY DOORS
 LAG DESIGN
 INDUSTRIAL MILLWORK CORP
 WEST H/WAY 36 SENECA, KS 66538
 (800)462-3667

BROMLEY - COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD. AVENUE SUITE 100
 FT. LAUDERDALE, FL 33309
 WILLIAM D. COOK, P.E.
 FLA. P.E. NO. 43904
 CERT. OF AUTH. #00009124
 FL S.I. #2004

CERTIFICATION
 JUL 29 2009

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0511-05
 Expiration Date AUG 5, 2014
 By *Maurice Perry*
 Miami Code Product Control
 Division

DATE: 04/05/04
 DRAWING NO: LAG-TEN
 SHEET NO: 8 OF 9

MATERIAL LIST

- SIDE & HEAD JAMB (1 1/4" X 5 1/4" (MIN.) RABBETED & KERFED MAHOGANY
NOTE: WOOD SPECIES OF EQUAL OR GREATER DENSITY MAY BE SUBSTITUTED FOR ALL WOOD COMPONENTS
- LOCKING HARDWARE:
 - G.U. HARDWARE CREMONA R2 (6 POINT) DOOR BOLT SYSTEM WITH LEVER HANDLE & STRIKE AT 36" ABOVE BASE OF ACTIVE DOOR AND SHOOT BOLT MORTISED INTO DOOR PANEL WITH TOP AND BOTTOM STRIKES.
 - W & F TRILENNIUM MULTI-POINT DOOR BOLT SYSTEM WITH LEVER HANDLE & STRIKE AT 36" ABOVE BASE OF ACTIVE DOOR AND SHOOT BOLT MORTISED INTO DOOR PANEL WITH TOP AND BOTTOM STRIKES.
 - TITAN CYLINDER LOCK & DEAD BOLT @ 36" & 52" ABOVE BASE OF DOOR
 - MAGNUM SLIDE BOLTS @ TOP & BOTTOM
- DOUBLE ACTING FLUSH BOLT BY G.U. AT THE INACTIVE DOOR WITH TOP & BOTTOM STRIKES
- STEEL HINGES 4 1/2" X 4 1/2" X 3/32" THICK LEAFS (GENERIC) PAINTED, STAINLESS STEEL, OR OTHER FINISHES.
- STRIKES: HEAD AND SILL STRIKE PLATE. ALUMINUM BAR 0.125" THICK X 1 1/2" X 6"
- GLASS: SEE GLAZING TABLE ON SHEET 1
- 5" X 1 3/8" 6063-T5 ALUMINUM BUMPER THRESHOLD.
- MAHOGANY / OAK OR 6063-T5 ALUMINUM THRESHOLD CAP.
- 2 1/4" X 5 1/4" (MIN.) MAHOGANY STILE.
- RAILS:
 - 2 1/4" X 5 1/4" MAHOGANY TOP RAIL.
 - 2 1/4" X 10" (MIN.) MAHOGANY BOTTOM RAIL
 - 2 1/4" X 6" (MIN.) MAHOGANY INTERMEDIATE RAIL (HORIZ. OR VERT.)
- GLASS STOP 9/16" x 5/8" OR 5/8" X 3/4"
- ASTRAGAL 2" X 4 5/8" WITH 2 1/4" RABBET ON INACTIVE SIDE AND 2 5/8" RABBET ON ACTIVE SIDE
- WEATHER STRIP 5/8" Q-LON QDS-650.
- TOP / BOTTOM DOOR GUIDE REINFORCING 1/8" THK. STAINLESS STEEL x 10" LG x 1 1/8" WIDE
- PANEL LAG BOLTS
 - PANEL 3/8" x 8" STEEL LAG SCREW
 - PANEL 3/8" x 6" STEEL LAG SCREW
 - PANEL 3/8" x 12" STEEL LAG SCREW
- DOUBLE FACED TAPE
- 4d X 1 1/4" FINISHING NAIL 1" FROM CORNERS AND SPACED MAX. 2 1/2" O.C. FASTENING GLASS STOPS TO PANELS.
- SOLID MAHOGANY RAISED PANEL - 1 1/2" THK. @ CENTER, 5/8" THK. @ EDGES
- NOT USED
- #10 x 2 1/2" F.H.S.M.S. (3 PER JAMB CORNER FASTENING JAMB TO JAMB). TYP.
- NO. 10 X 2" PFHMS FASTENING REINF. TO DOOR RAIL
- NO. 10 X 3/4" PFHMS FASTENING STRIKE PLATE TO HEAD JAMB AND SILL (2 PER PLATE).
- NO. 12 x 2 1/4" PFHMS FASTENING STRIKE PLATE TO HEAD JAMB & BUCK (SCREWS PENETRATE THROUGH JAMB & INTO BUCK 1 1/2"). 2 PER PLATE.
- NOT USED
- NOT USED
- NO. 10"x2" TO INACTIVE PANEL ASTRAGAL (1" FROM END, BALANCE @ 11" O/C. STAGGERED. MIN.)
- NO. 12 X 3/4" FHSMS FASTENING HINGE TO JAMB (2 PER HINGE).
- NO. 12 X 2 1/2" FHSMS FASTENING HINGE TO JAMB (2 PER HINGE). FASTENERS: MUST PENETRATE BUCK MIN. 1 1/4"
- NO. 12 X 1 1/4" FHSMS FASTENING HINGES TO PANELS (4 PER HINGE).
- NOT USED
- 1/4" DIA. TAPCONS (LENGTH AS REQUIRED FOR MIN. 1 3/4" CONCRETE EMBED) 2 1/2" MIN. C/C SPACING 2 1/2" MIN. EDGE DISTANCE. POSITIONED AS SHOWN ON ELEVATION VIEWS AND SECTIONS.
- NO. 12 F.H.S.M.S. FASTENING JAMB TO BUCKS. EMBED 1 1/2" MIN.

ALLOWABLE WIND PRESSURE CHART SINGLE OR DOUBLE DOORS - LG. MISSILE IMPACT

NOMINAL DIMS.		EXTERIOR (+)						INTERIOR (-)					
OVERALL HEIGHT FT/IN	LEAF WIDTH FT/IN	O/SWING		INSWING		O/SWING		INSWING		O/SWING		INSWING	
		WATER REQUIRED	WATER NOT REQUIRED										
SILLS		2/4		2A/4		2, 3 & 3B/4		2A, 3A & 3B/4		2, 3 & 3B/4		2A, 3A & 3B/4	
10/0	4/0 3/6 3/0	50.0 55.4 60.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 55.4 62.7	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 55.4 62.7	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0
9/6	4/0 3/6 3/0	53.3 59.0 60.0	50.0 50.0 50.0	50.0 50.0 50.0	53.3 59.0 66.7	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	53.3 59.0 66.7	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0
9/0	4/0 3/6 3/0	57.1 60.0 60.0	50.0 50.0 50.0	50.0 50.0 50.0	57.1 63.1 70.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	57.1 63.1 70.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0
8/6	4/0 3/6 3/0	60.0 60.0 60.0	50.0 50.0 50.0	50.0 50.0 50.0	61.5 67.7 70.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	61.5 67.7 70.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0
8/0	4/0 3/6 3/0	60.0 60.0 60.0	50.0 50.0 50.0	50.0 50.0 50.0	66.7 70.0 70.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	66.7 70.0 70.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0	50.0 50.0 50.0

LEGEND:

X-X

- TYPE OF INFILL - SEE DOOR PANEL OPTIONS ON SHEET 1 OF 9

XX
X

- TYPE OF THRESHOLD SEE SHEET 4 OF 9

TESTED ASSEMBLIES:

OUTSWING:

RECTANGULAR : 8' x 10' STRUCTURAL P = +50/ -50 psf
 IMPACT & CYCLE P = +60 / -70 psf
 ARCHED TOP : 8' x 10' STRUCTURAL P = +50 / -50 psf
 IMPACT & CYCLE P = +70 / -70 psf
 EYEBROW TOP : 8' x 10' STRUCTURAL P = +50/ -50 psf
 IMPACT & CYCLE P = +50/ -50 psf

INSWING:

RECTANGULAR : 8' x 10' P = +50/ -50 WATER @ 7.50 psf

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 09-0511.05
 Expiration Date AUG. 5, 2014
 By *Maureen Pese*
 Miami Code Product Control
 Division

TENER WOOD ENTRY DOORS
 LAG DESIGN
 INDUSTRIAL MILLWORK CORP
 WEST HWY 36 SENECA, KS 66538
 (800)462-3667

BROMLEY - COOK ENGINEERING, INC.
 STRUCTURAL ENGINEERING SERVICES
 5440 N.W. 33RD. AVENUE SUITE 100
 FT. LAUDERDALE, FL 33309
 WILLIAM D. COOK, P.E.
 FLA. P.E. NO. 43904
 CERT. OF AUTH. #00009124
 FL S.I. #2004

CERTIFICATION
 JUL 29 2009
 WILLIAM D. COOK, P.E.
 FLA. P.E. NO. 43904
 CERT. OF AUTH. #00009124

DATE:
 04/05/04
 DRAWING NO:
 LAG-TEN
 SHEET NO:
 9 OF 9