



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Moore Custom Woodworking Inc.
10046 Bavaria Road
Fort Myers, FL. 33913

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "#2" Outswing Opaque Wood Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. **NOA-O2010 Rev #3**, titled "Series #1 Outswing Opaque Doors" Sheets 1 through 08 of 08, dated 06/24/10 and last revised on 06/15/15, prepared by Liebl & Barrow Structural Engineering, signed and sealed by Brian Liebl, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. Min Wood species to be used is Sapele (S.G.=0.55 & E= 1, 700, 000 psi) or better and only for Jambs min Poplar (S.G.=0.42 & E= 1, 580, 000 psi) or better
2. See sheet 1 for Design pressure ratings based on hardware option I or II and water rating on sheet 7. Only threshold item #30 (1-3/4" composite Threshold) is rated for max. +62 PSF.
3. See Raised Opaque panels configurations in sheet 6.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Kall/Eifel, Germany and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 14-0714.10 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
02/24/2016

NOA No. 15-1119.03
Expiration Date: 02/24/2021
Approval Date: 02/24/2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (Submitted under files# see below)

1. Manufacturer's die drawings and sections.
2. Drawing No. **NOA-O2010 Rev #3**, titled "Series #1 Outswing Opaque Doors" Sheets 1 through 08 of 08, dated 06/24/10 and last revised on 06/15/15, prepared by Liebl & Barrow Structural Engineering, signed and sealed by Brian Liebl, P.E.

B. TESTS (Submitted under files# **12-1019.14 / #10-0706.02**)

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

Along with the manufacturers' parts drawings, installation diagram and marked-up drawings of a outswing Opaque/Glazed wood door prepared by Architectural Testing, Inc., Test Report No. **99385.01-401-18** dated 05/28/10, signed and sealed by Joseph A. Reed, P.E.

Note: The test report was revised & reissued on 11/11/10, signed and sealed by Joseph A. Reed, P.E.

2. Additional verification test report No. **99385.02-401-18**, dated 11/23/10 per TAS 201 & 202-94, issued by Architectural Testing, signed by Shawn G. Collins, P. E.

C. CALCULATIONS

1. Anchor verification calculations complying w/ FBC-2014 (**5th Edition**), prepared by Liebl & Barrow Structural Engineering, dated 06/05/15, signed and sealed by Brian Liebl, P.E.
2. Glazing complies with ASTM E-1300-02, -04 and &-09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(**5th Edition**) and letter of no financial interest, prepared by Liebl & Barrow Structural Engineering, dated 06/05/15, signed and sealed by Brian Liebl, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA **revises** NOA # **12-1019.14**, expiring on 02/24/16.
2. Test proposal dated 09/21/10, approved by BCCO.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 15-1119.03
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DESIGN PRESSURE RATING (AS)		IMPACT RATING
Option I	Option II	
Multipoint Hardware	Regular Hardware	
Positive	+62 PSF*	Large and Small Missile Impact
Negative	-55 PSF	
	-49 PSF	

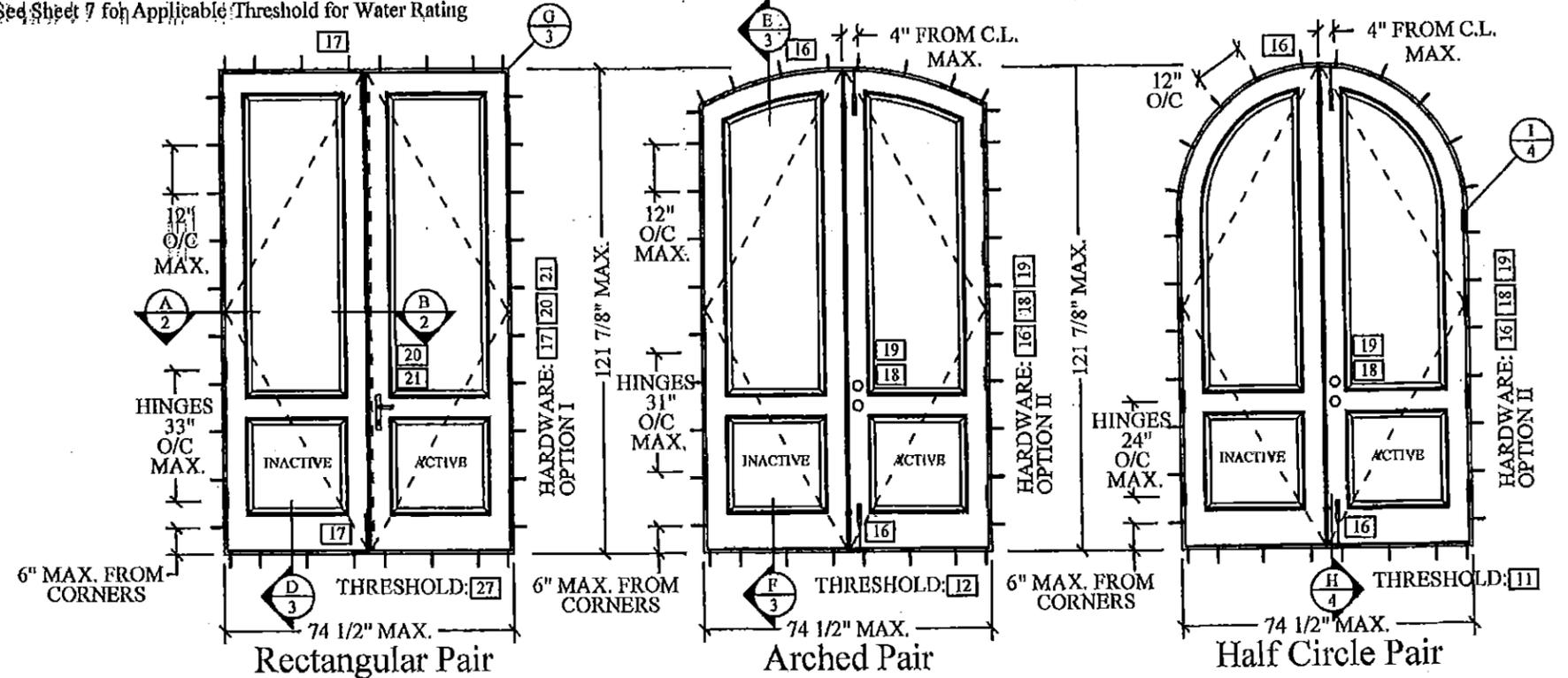
SERIES# 2 NOA IMPACT OUTSWING OPAQUE DOORS

All Units Are Out Swing Exterior Views

OPTION I: HOPPE 3-POINT LOCK ACTIVE
IVES FLUSH BOLT INACTIVE

OPTION II: KWIKSET HANDLE w/ 780 DEADBOLT AND
DELTA FLUSH EXTENSION BOLTS ACTIVE
DELTA FLUSH EXTENSION BOLTS INACTIVE

*See Sheet 7 for Applicable Threshold for Water Rating



APPROVED SHAPES:

- OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & ARE CONSTRUCTED AS DESCRIBED IN THESE DRAWINGS, NOT TO EXCEED TESTED FRAME AREA.
- ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR TEST UNIT & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE HARDWARE OPTIONS.

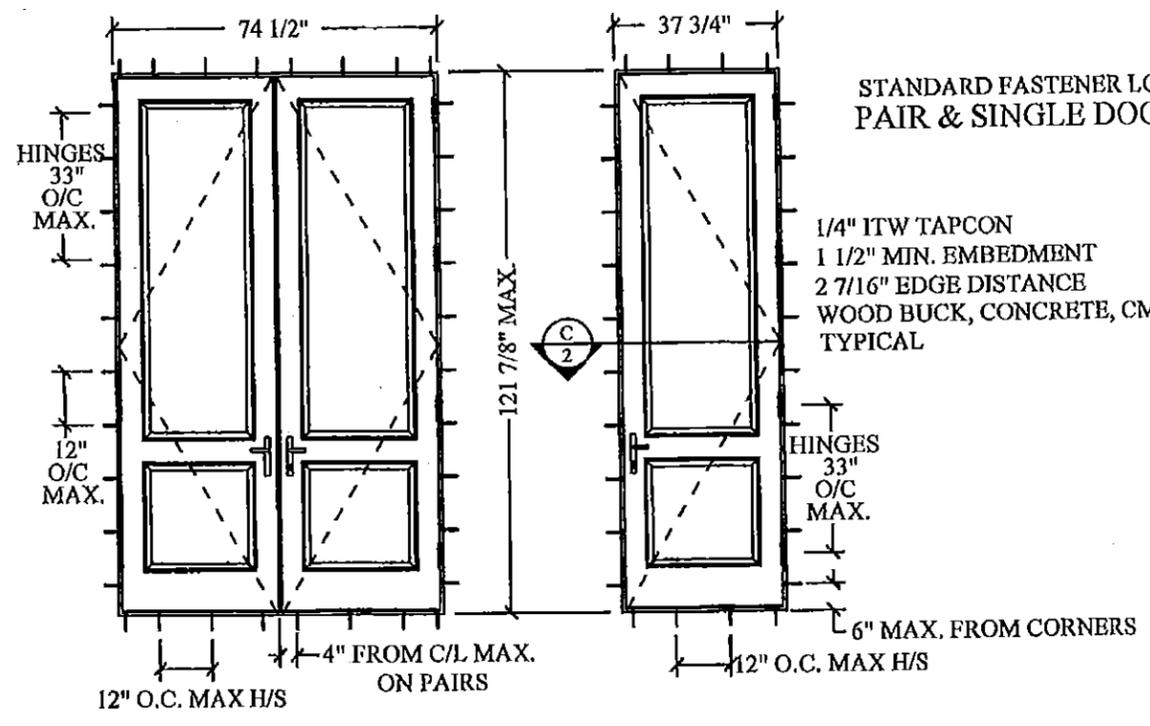
APPROVED SIZES:

SIZES MAY RANGE AS PERMITTED BY FBC FROM:

SINGLE DOOR:
WIDTH UP TO 3/0 HEIGHT UP TO 10/0

DOOR PAIRS (EACH DOOR):
WIDTH UP TO 3/0 HEIGHT UP TO 10/0

TESTED SPECIEMENS



STANDARD FASTENER LOCATIONS PAIR & SINGLE DOOR UNIT

1/4" ITW TAPCON
1 1/2" MIN. EMBEDMENT
2 7/16" EDGE DISTANCE
WOOD BUCK, CONCRETE, CMU (Grout Filled)
TYPICAL

GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ).
- BUCKING, OPENINGS & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- ALL HARDWARE AND FASTENERS MUST BE IN ACCORDANCE WITH THESE DRAWINGS AND MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
- IMPACT SHUTTERS ARE NOT REQUIRED FOR THESE DOORS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER TO VERIFY THE FOLLOWING:
 - THE STABILITY OF THE STRUCTURE WHERE THE UNIT IS TO BE ATTACHED
 - THE SITE SPECIFIC PROJECT CRITERIA SUCH AS LOCAL BUILDING CODE REQUIREMENTS & DESIGN PRESSURES
 - THAT THIS APPROVAL IS ADEQUATE FOR THE PROJECT

Series# 2 NOA Impact
Hardwood Outswing Opaque Doors

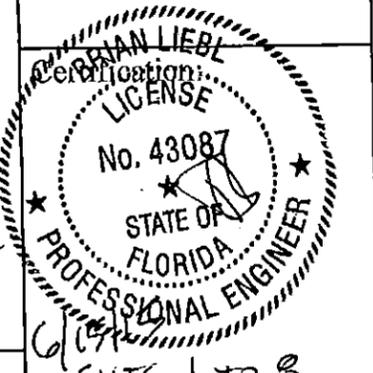
Manufacturer:
Moore Custom Woodworking, Inc.
10046 Bavaria Rd. Fort Myers, FL 33913
Ph: (239) 277-0360 Fax: (239) 277-0892

Engineering:

LIEBL & BARROW
STRUCTURAL ENGINEERS

C.A. #00008053
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www.lbangineer.com
E-mail: Info@lbangineer.com

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 15-1119.03
Expiration Date 02/24/2021
By *[Signature]*
Miami-Dade Product Control



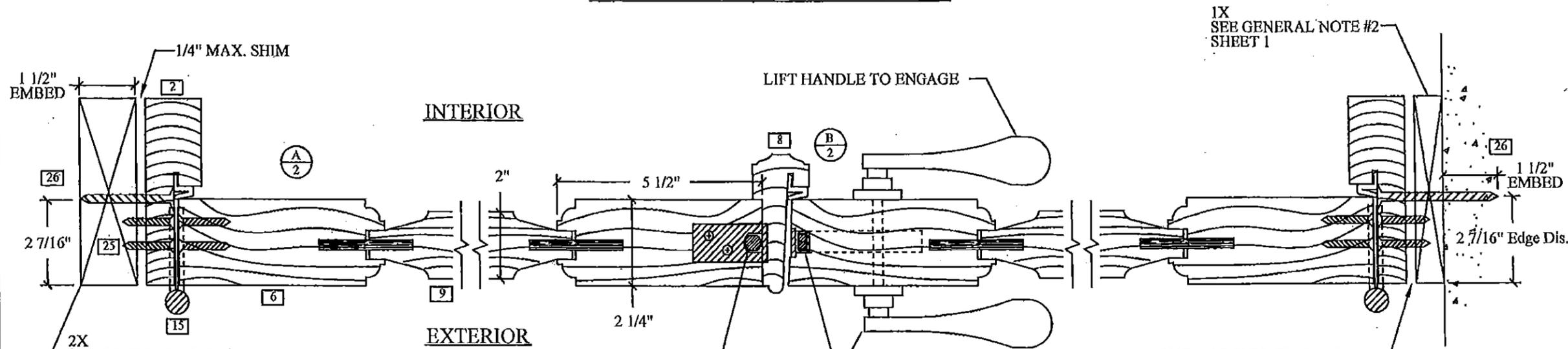
SHTS 1 TO 3
General Revision #3
06/04/15

Drawing #: NOA-O2010
Date: 06/24/10

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0714-10
Expiration Date: FEB 24, 2016
By *[Signature]*
Miami-Dade Product Control

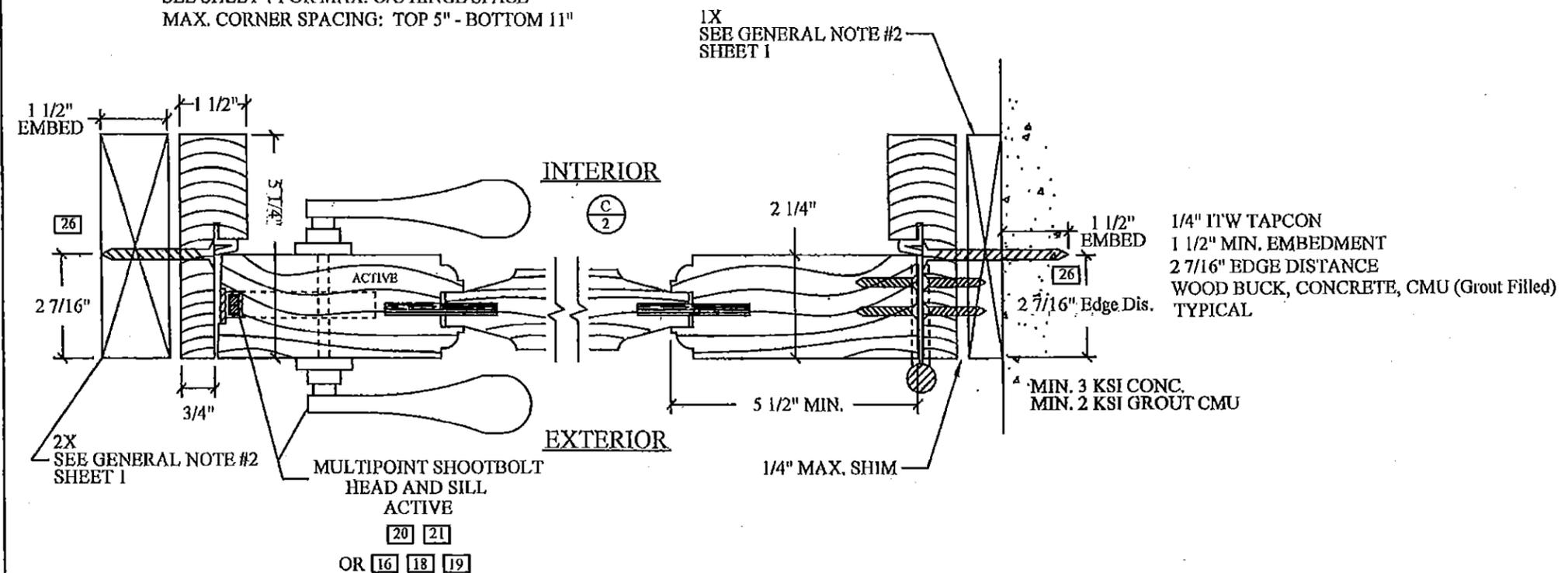
Sheet
1 of 8

HORIZONTAL SECTIONS



HINGE INFORMATION

5" X 5" X 0.145" HINGES (ALL FINISHES)
 8 - #12 X 1 1/4" WOOD SCREWS PER HINGE
 DOOR HEIGHT 80" TO 90" - 3 HINGES
 DOOR HEIGHT 90" TO 120" - 4 HINGES
 SEE SHEET 1 FOR MAX. O/C HINGE SPACE
 MAX. CORNER SPACING: TOP 5" - BOTTOM 11"



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 By *Heidi A. Miller*
 Miami-Dade Product Control

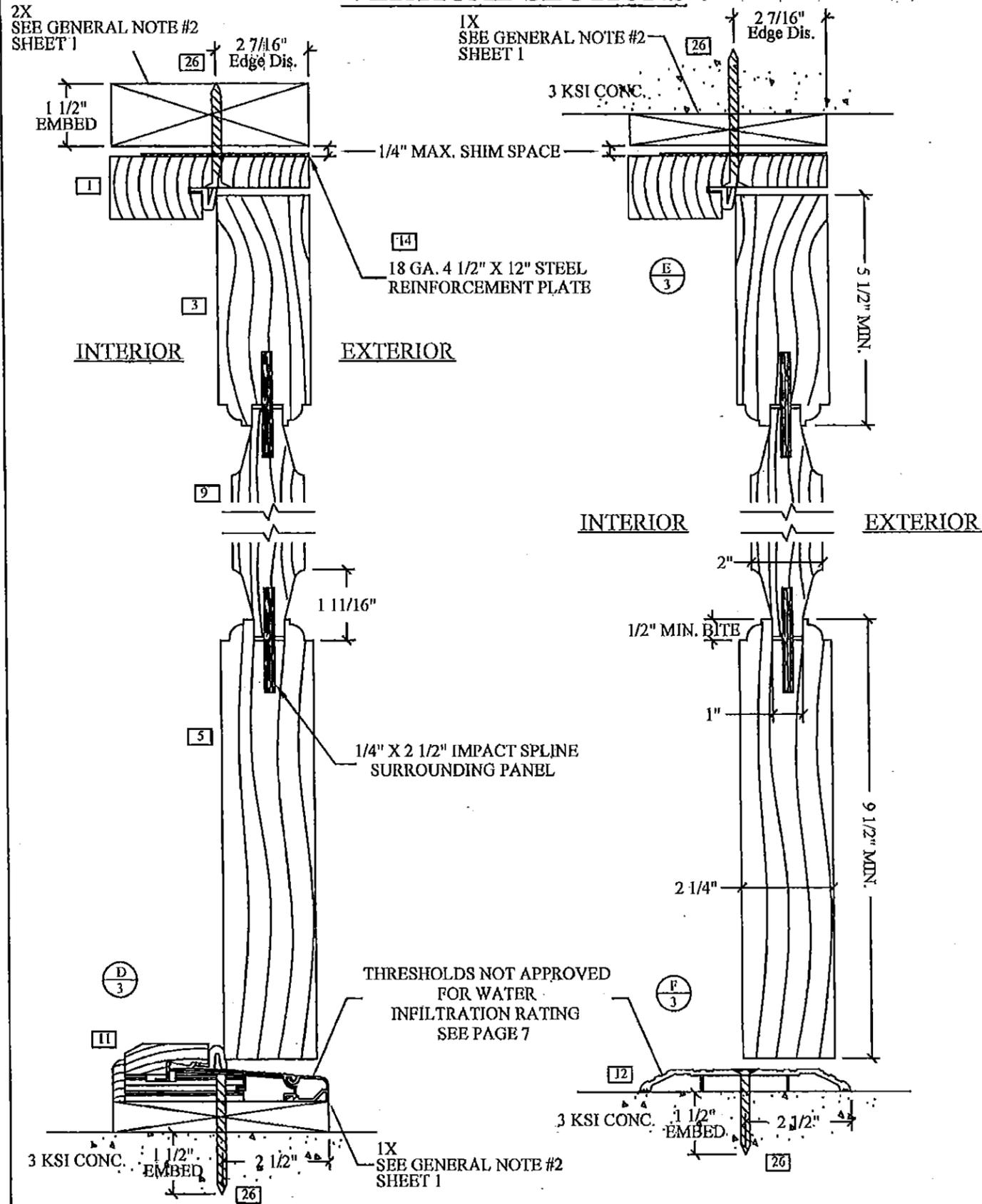
Certification:

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 Acceptance No. 14-0714.10
 Expiration Date 2/24/11
 By *Heidi A. Miller*
 Miami-Dade Product Control

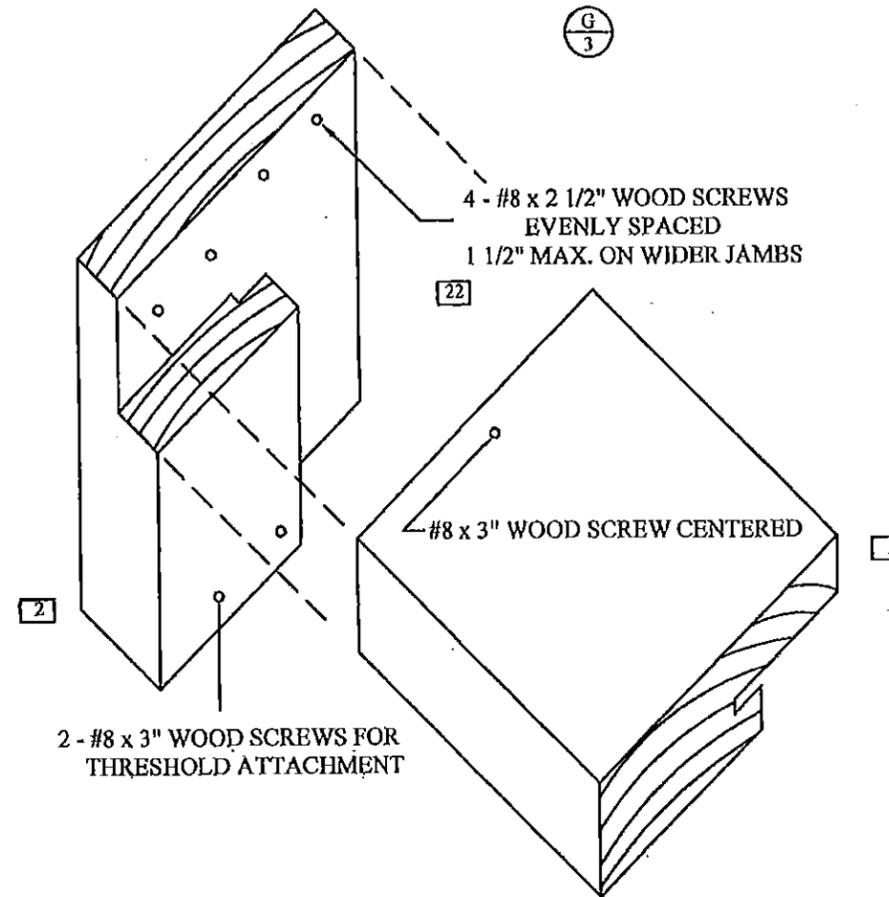
General Revision #3
 06/01/15
 Drawing #: NOA-O2010
 Date: 06/24/10

Sheet
 2 of 8

VERTICAL SECTIONS (OUTSWING DOORS)



JAMB CONSTRUCTION RECTANGULAR CORNER CONSTRUCTION



Series# 2 NOA Impact
Hardwood-Outswing Opaque Doors

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10046 Bavaria Rd. Fort Myers, FL 33913
Ph: (239) 277-0360 Fax: (239) 277-0892

Engineering:

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ENGINEERS

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E-mail: info@lieblbarrow.com

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NOA-No. 15-1119.03

Expiration Date 02/24/2021

By *Heidi A. Mohr*
Miami-Dade Product Control

General Revision #3
06/01/15

Drawing #: NOA-O2010

Date: 06/24/10

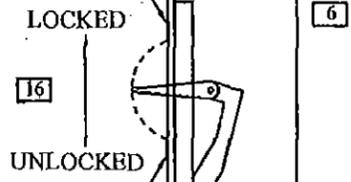
Sheet
3 of 8

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 4-0714.10
Expiration Date 2/24/16
By *Heidi A. Mohr*
Miami-Dade Product Control

FLUSH EXTENSION BOLT

(2) ACTIVE DOOR FACE
(2) INACTIVE DOOR EDGE

LOCK LOCATED ON FACE OF LOCKING ACTIVE STILE TOP AND BOTTOM OF DOOR

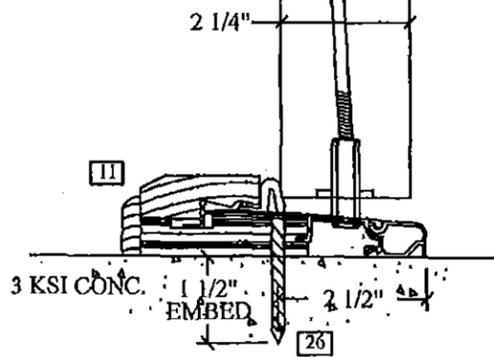


DELTANA

FLUSH EXTENSION BOLTS WITH STANDARD HANDLESET AND DEADBOLT OPTION

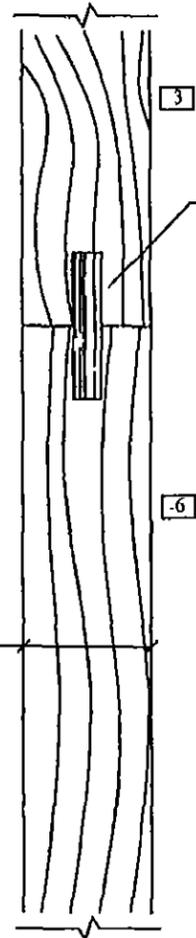
INTERIOR

EXTERIOR



DOOR CONSTRUCTION

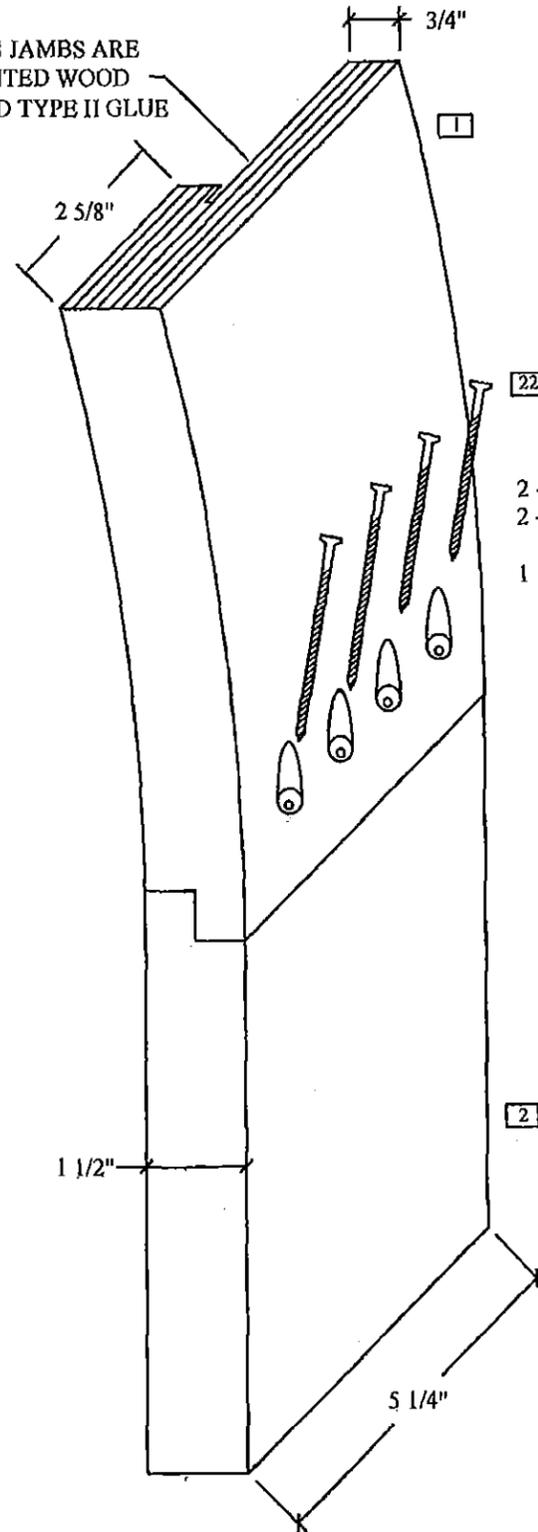
STILE TO CIRCLE TOP RAIL



JAMB CONSTRUCTION

JAMB LEG TO CIRCLE TOP HEADER

RADIUS JAMBS ARE LAMINTED WOOD TITEBOND TYPE II GLUE



- 2 - #8 x 3" WOOD SCREWS
- 2 - #8 x 2 1/2" WOOD SCREWS
- EVENLY SPACED
- 1 1/2" MAX. ON WIDER JAMBS

1/4

PRODUCT RENEWED as complying with the Florida Building Code
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By *[Signature]*
Miami-Dade Product Control

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Acceptance No. 14-0714-10
Expiration Date 2/24/16
By *[Signature]*
Miami-Dade Product Control

Series# 2-NOA-Impact
Hardwood-Outswing-Opaque-Doors

Manufacturer:
Moore Custom Woodworking, Inc.
10046 Bavaria Rd. Fort Myers, FL 33913
Ph: (239) 277-0360 Fax: (239) 277-0892

Engineering:

LIEBL & BARROW
ENGINEERS

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10970 SOUTH CLEVELAND AVENUE,
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E-mail: info@lbengineer.com

Certification:

General Revision #3
06/01/15

Drawing #: NOA-O2010

Date: 06/24/10

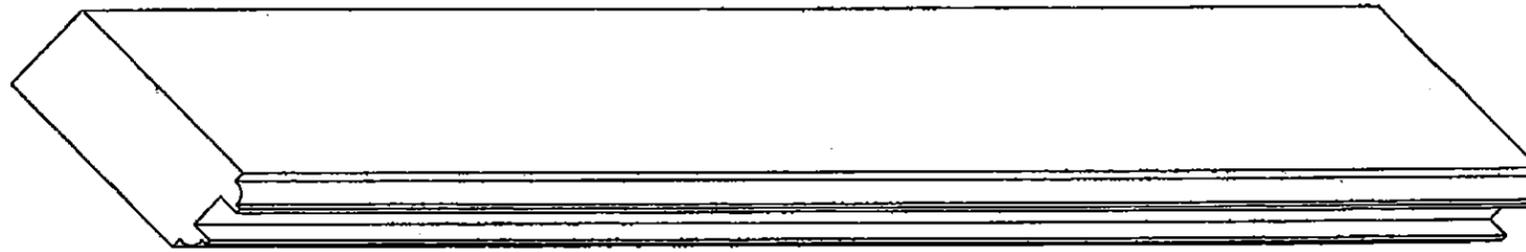
Sheet
4 of 8

DOOR CONSTRUCTION

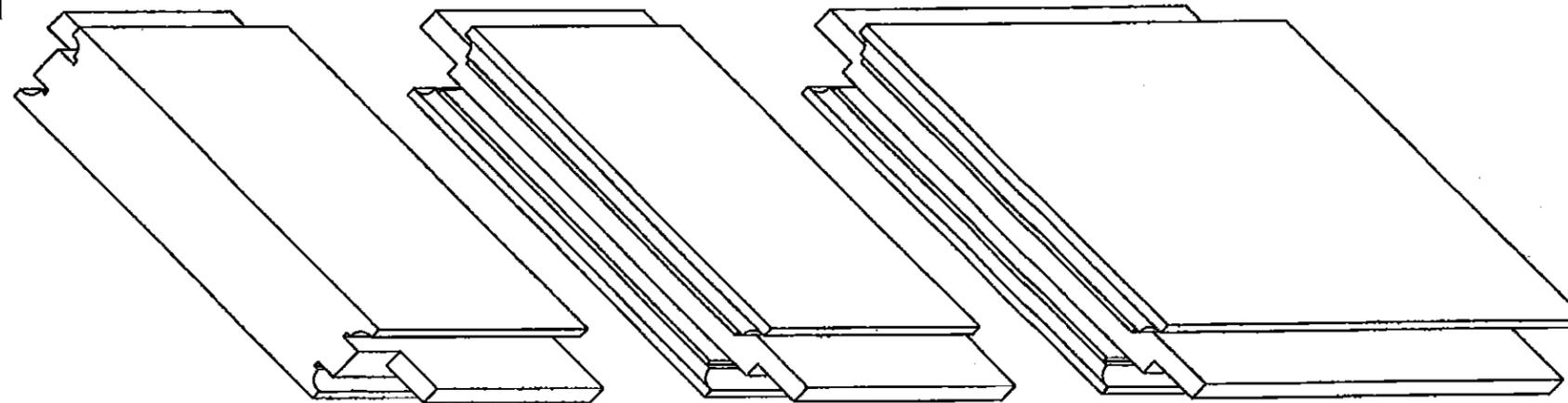
ALL STILE TO RAIL JOINTS ARE BLIND MORTISE AND TENON WITH A MORTISE IN THE STILE AND TENON ON THE RAIL
 MORTISE DEPTH: 2"
 TENON LENGTH: 1 3/4"

ALL JOINTS ARE GLUED USING A UREA FORMALDAHYDE (UF) RESIN

ALL PANELS ARE SPLINED INTO THE STYLE AND RAILS



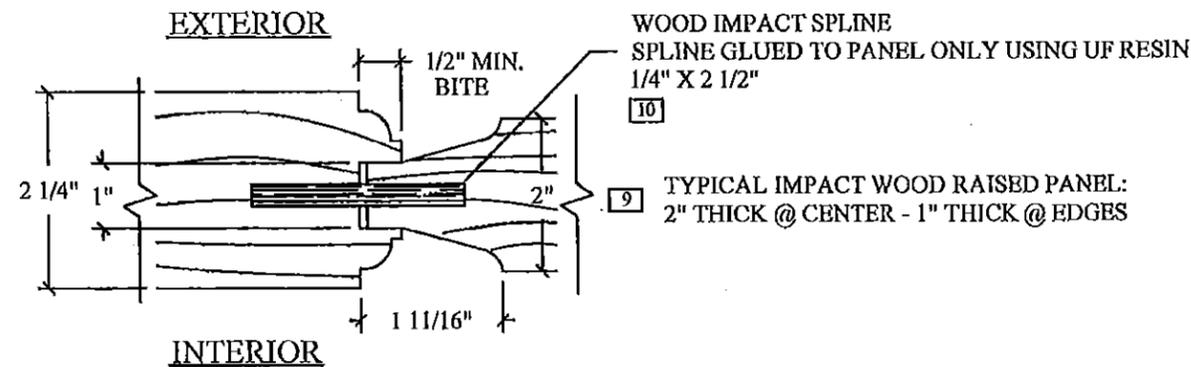
SOLID SAPELE
 STILE - 5 1/2" MIN. [6]



SOLID SAPELE
 TOP RAIL - 5 1/2" MIN. [3]

SOLID SAPELE
 LOCK RAIL - 5 1/2" MIN. [4]

SOLID SAPELE
 BOTTOM RAIL - 9 1/2" MIN. [5]



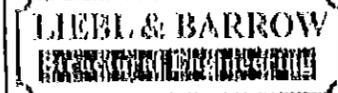
IMPACT PANEL DETAIL

Series# 2 NOA Impact
Hardwood Outswing Opaque Doors

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Certification:

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NOA-No. 15-1119.03
 Expiration Date 02/24/2021

By *Harley A. Miller*
 Miami-Dade Product Control

PRODUCT REVISED
 as complying with the Florida
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 Acceptance No. 14-0714.02
 Expiration Date 2/24/16

By *John J. ...*
 Miami-Dade Product Control

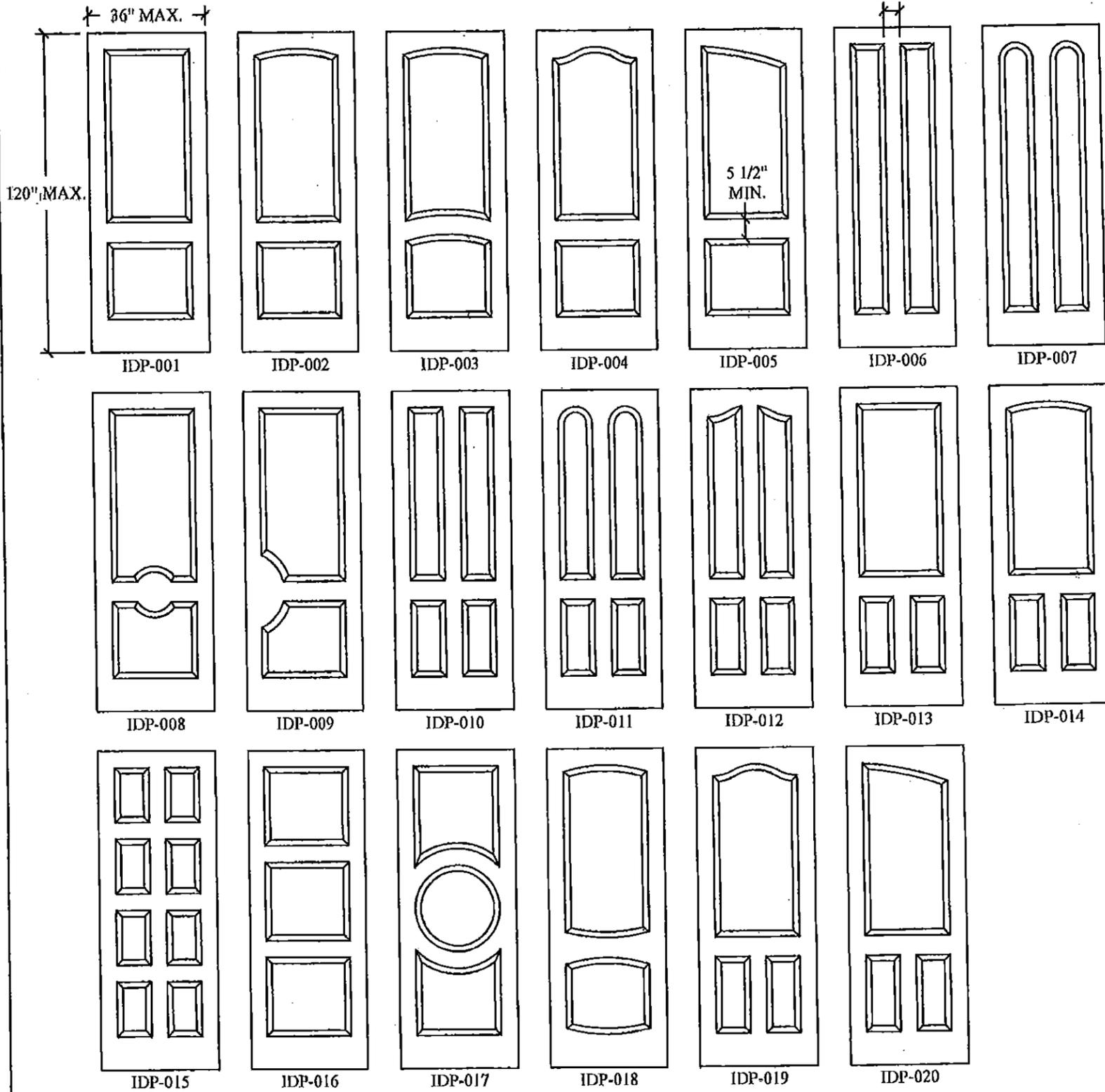
General Revision #3
 06/01/15

Drawing #: NOA-O2010

Date: 06/24/10

Sheet
 5 of 8

MAX. SINGLE DOOR WIDTH: 36"
MAX. SINGLE DOOR HEIGHT: 120"



DOOR DETAILS

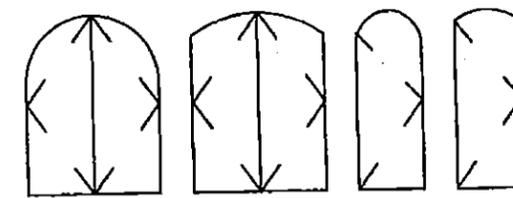
DOORS ARE SHOWN AS 3/0 X 8/0
TYPICAL IMPACT WOOD RAISED PANEL
2" THICK @ CENTER - 1" THICK @ EDGES
ALL WOOD JOINTS ARE ASSEMBLED USING A
UF RESIN OR TITEBOND TYPE II GLUE

SEE PAGE 1 FOR DESIGN PRESSURE AND
HARDWARE OPTIONS

DOOR DESIGNS

DOOR MODELS MAY VARY IN SHAPE AND STYLE UNDER THE
FOLLOWING CONDITIONS: (NOT TO EXCEED TESTED SIZE)

1. DOORS MUST HAVE SIMILAR CONSTRUCTION TO THOSE DESCRIBED IN THESE DRAWINGS, NOT TO EXCEED TESTED AREA
2. OTHER DOOR SHAPES APPLY AS LONG AS THEY FIT INSCRIBED INTO THE TEST DOORS
3. DOOR PANELS AND LITES MAY BE CHANGED AS LONG AS THEY ARE SMALLER THAN THE TEST SPECIMENS AND MEET CODE (SEE SHEET 1).



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By *Heidi A. Miller*
Miami-Dade Product Control

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as complying with the Florida
Building Code
Acceptance No. 14-0714.10
Expiration Date 2/24/16
By *Ichang L. Chant*
Miami-Dade Product Control

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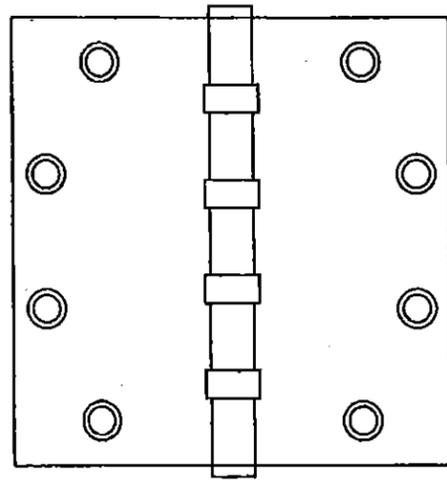
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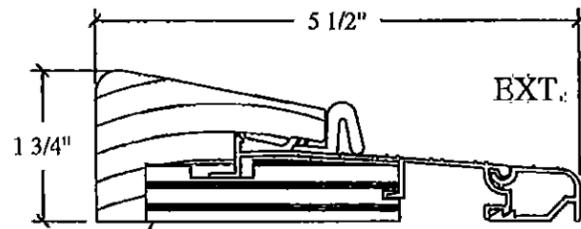
General Revision #3
06/01/15!
Drawing #: NOA-O2010
Date: 06/24/10

Sheet
6 of 8

SCALE: 1/2" = 1"

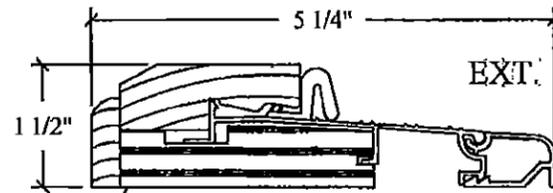


13 5" x 5" BRASS BALL BEARING HINGE



27 OUTSWING THRESHOLD

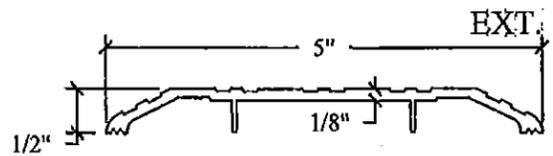
Composite Plastic Fes Min. = 9500 psi



28 OUTSWING THRESHOLD

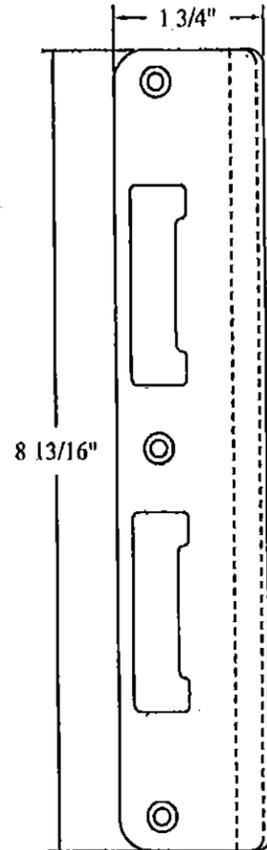
FOR USE WHERE WATER REQUIREMENT IS NOT NEEDED

Composite Plastic Fes Min. = 9500 psi

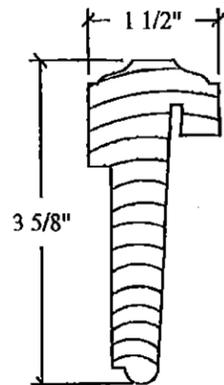


12 ADA SADDLE THRESHOLD

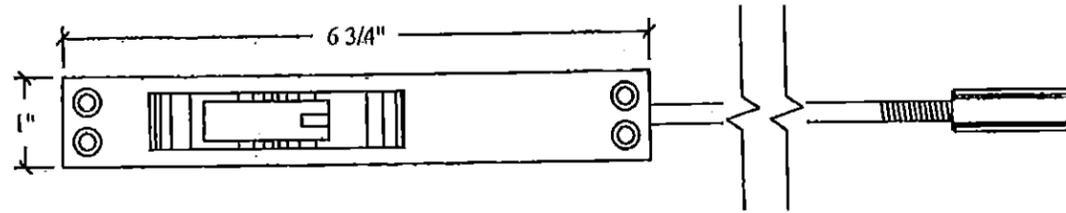
FOR USE WHERE WATER REQUIREMENT IS NOT NEEDED



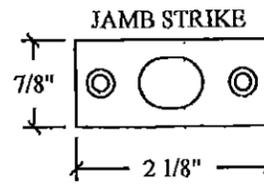
20 MULTIPOINT STRIKE



8 T-ASTRAGAL

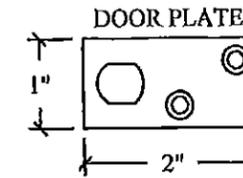


16 FLUSH EXTENSION BOLT AND STRIKES

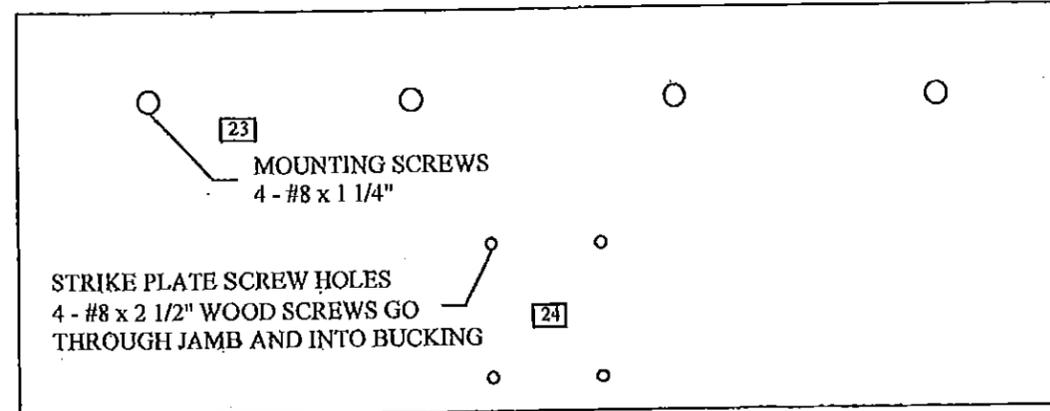


JAMB STRIKE

STRIKE THICKNESS = 0.070

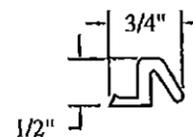


DOOR PLATE



18 18 GA. 4 1/2" X 12" STEEL PLATE

LOCATION: CENTERED ON PAIRS / FOLED OVER LOCKING EDGE ON SINGLE.



13 WEATHER STRIP

Series# 2-NOA Impact
 Hardwood-Outswing-Opaque-Doors
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 Moore Custom Woodworking, Inc.
 10046 Bavaria Rd. Fort Myers, FL 33913
 Ph: (239) 277-0360 Fax: (239) 277-0892

Engineering:
LIEBL & BARROW
 ENGINEERS ARCHITECTS INTERIORS
 C.A. #00008053
 10970 SOUTH CLEVELAND AVENUE,
 SUITE #105
 FORT MYERS, FLORIDA 33907
 239-936-7557 PHONE
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Certification:

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. 15-1119.03
 Expiration Date 02/24/2021
 By *Heather A. Miller*
 Miami-Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0714-10
 Expiration Date 2/24/16
 By *Ismael J. Garcia*
 Miami-Dade Product Control

General Revision #3
 06/01/15

Drawing #: NOA-O2010

Date: 06/24/10

Sheet
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MATERIAL LIST

ITEM #	QTY	PART DESCRIPTION	SIZE	MATERIAL REMARKS
1	1	JAMB HEADER	1 1/2" x 5 1/4"	HARDWOOD** LENGTH VARIES
2	2	JAMB LEGS	1 1/2" x 5 1/4"	HARDWOOD** LENGTH VARIES
3	2	DOOR TOP RAIL	2 1/4" x 5 1/2" MIN.	HARDWOOD* LENGTH VARIES
4	2	DOOR LOCK RAIL	2 1/4" x 5 1/2" MIN.	HARDWOOD* LENGTH VARIES
5	2	DOOR BOTTOM RAIL	2 1/4" x 9 1/2" MIN.	HARDWOOD* LENGTH VARIES
6	4	DOOR STILE	2 1/4" x 5 1/2" MIN.	HARDWOOD* LENGTH VARIES
7	2	RAIL SPLINE	3/4" x 2 1/2" x 5"	HARDWOOD* CIRCLE TOP ONLY
8	1	T-ASTRAGAL	1 1/2" x 3 5/8"	HARDWOOD* LENGTH VARIES
9	4	RAISED PANEL	2" MIN.	HARDWOOD* LENGTH/WIDTH VARIES
10	AS REQUIRED	IMPACT SPLINE	1/4" x 2 1/2"	HARDWOOD* SURROUNDING PANELS
11	1	THRESHOLD	1 1/2" x 5 1/4"	WORLD WIDE DOOR 99-2340 / WATER REQ. NOT NEEDED
12	1	ALUMINUM THRESHOLD	1/2" x 5"	WORLD WIDE DOOR 99-9750 / ADA / WATER REQ. NOT NEEDED
13	AS REQUIRED	WEATHER STRIP	3/4" x 1/2"	QLON QDS-650
14	1	STEEL PLATE	4 1/2" x 12"	18 GA. SAE 1060 OR STRONGER
15	AS REQUIRED	HINGES	5" x 5" x 0.145"	DELTANA OR EMTEK / SEE PG. 2 FOR MORE INFORMATION
16	4	FLUSH EXTENSION BOLT	1" x 6 3/4"	DELTANA 2 EA. INACTIVE DOOR 2 EA. ACTIVE DOOR (HW. OPTION II)
17	2	FLUSH EXTENSION BOLT	1" x 6 3/4"	IVES 2 EA. INACTIVE DOOR (HW. OPTION I)
18	1	KWIKSET HANDLESET	VARIES	ANSI GRADE 3 MIN. (HW. OPTION II)
19	1	KWIKSET 780 DEADBOLT	VARIES	ANSI GRADE 2 MIN. (HW. OPTION II)
20	1	MULTIPOINT HARWARE	VARIES	HOPPE 3 POINT SHOOTBOLT MIN. (HW. OPTION I)
21	1	MULTIPOINT HANDLESET	VARIES	MANUFACTURES VARY
22	AS REQUIRED	JAMB SCREWS	#8 x 2 1/2" TO 3"	STEEL / ZINC PLATED SEE PG. 3-4 FOR MORE INFORMATION
23	4	STEEL PLATE MOUNTING SCREWS	#8 x 1 1/4"	STEEL / ZINC PLATED
24	4	STRIKE PLATE MOUNTING SCREWS	#8 x 2 1/2"	STEEL
25	8 PER HINGE	HINGE SCREWS	#12 x 1 1/4"	BRASS OR STEEL TO MATCH HINGE
26	AS REQUIRED	INSTALLATION SCREWS	1/4" ITW TAPCON	LENGTH REQUIRED FOR 1 1/2" EMBEDMENT
27	1	THRESHOLD	1 3/4" x 5 1/4"	WORLD WIDE DOOR 99-2340 w/ MODIFIED CAP

Series# 2-NOA Impact
Hardwood-Outswing-Opaque-Doors
 Manufacturer:
Moore Custom Woodworking, Inc.
 10046 Bavaria Rd. Fort Myers, FL 33913
 Ph: (239) 277-0360 Fax: (239) 277-0892

Engineering:

LIEBL & BARROW
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*WOOD SPECIES OF EQUAL OR GREATER DENSITY AND STRENGTH MAY BE SUBSTITUTED FOR ALL WOOD COMPONENTS (SAPELE USED)
 **POPLAR USED FOR DOOR JAMBS

	SAPELE (Wood Components)	POPLAR (Jamb Use Only)
MIN. SPECIFIC GRAVITY	0.55 (or greater)	0.42 (or greater)
MIN. MODULUS OF ELASTICITY	1.7 x 10 ⁶ psi	1.58 x 10 ⁶ psi

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 By *Henry A. White*
 Miami-Dade Product Control

PRODUCT REVISED
 as complying with the Florida
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 Acceptance No. 14-0714.10
 Expiration Date FEB 24, 2016
 By *Henry A. White*
 Miami-Dade Product Control