



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

TKO Doors, Div. of 4Front Engineered Solutions, Inc.
N56 W24701 N. Corporate Circle, Ste A
Sussex, WI 53089

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: Model CW WL Dock Plastic Sectional Garage Door up to 10'-0" Wide
APPROVAL DOCUMENT: Drawing No. **15-2402**, titled "Fiberglass Dock Doors CW WL Overhead Garage Door", sheet 1 through 7 of 7, dated 04/14/2011, with last revision dated 05/19/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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

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

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

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

This NOA revises NOA # **15-0916.07** 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 **Carlos M. Utrera, P.E.**



Carlos M. Utrera
06/22/2016

NOA No 16-0329.05
Expiration Date: September 15, 2021
Approval Date: June 30, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **15-2402**, titled "Fiberglass Dock Doors CW WL Overhead Garage Door", sheet 1 through 7 of 7, dated 04/14/2011, with last revision dated 05/19/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS "*Submitted under NOA # 11-0513.04*"

1. 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, TAS 202-94
Along with marked-up drawings and installation diagram of Series/Model CW WL, dock door, prepared by Architectural Testing, Inc., Test Report No. **98517.01-602-18**, dated 03/24/2010, signed and sealed by Joseph A. Reed, P.E.
2. 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 Series/Model CW WL, dock door, prepared by Architectural Testing, Inc., Test Report No. **89514.01-602-18**, dated 04/24/2009, signed and sealed by Joseph A. Reed, P.E.
3. Test report on Accelerated Weathering using Xenon Arc Light Apparatus for 4500 hours, per ASTM G155-04 and on Tensile Test per ASTM D638 of FRP composite panels, prepared by Architectural Testing, Inc., Test Report No. **A3696.01-106-18**, dated 05/04/2011, signed and sealed by Joseph A. Reed, P.E.
4. Test report on Self-ignition Temperature per ASTM D1929-96(2000)e1 of various plastic and fiberglass door components, prepared by Architectural Testing, Inc., Test Report No. **95487.01-106-31**, dated 11/04/2009, signed and sealed by Joseph A. Reed, P.E.
5. Test report on Smoke Density Rating per ASTM D2843-99(2004) of different types of plastics, prepared by Architectural Testing, Inc., Test Report No. **92103.01-106-18**, dated 05/04/2011, signed and sealed by Joseph A. Reed, P.E.
6. Test report on Smoke Density Rating per ASTM D2843-99(2004) of vinyl and seals, prepared by Architectural Testing, Inc., Test Report No. **95487.02-106-31**, dated 11/04/2009, signed and sealed by Joseph A. Reed, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 16-0329.05
Expiration Date: September 15, 2021
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B. TESTS (CONTINUED) “Submitted under NOA # 11-0513.04”

7. Test report on Rate of Burn per ASTM D635-06 of different types of plastics, prepared by Architectural Testing, Inc., Test Report No. **92103.02-106-18**, dated 08/19/2009, signed and sealed by Joseph A. Reed, P.E.
8. Test report on Rate of Burn per ASTM D635-06 of vinyl and seals, prepared by Architectural Testing, Inc., Test Report No. **95487.03-106-31**, dated 11/04/2009, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS “Submitted under NOA # 15-0916.07”

1. Jamb anchor calculations prepared by Engineering Express, dated 05/05/2015, signed and sealed by Frank L. Bennardo, P.E.

“Submitted under NOA # 11-0513.04”
2. Jamb anchor calculations, complying with FBC-2007, prepared by Engineering Express, dated 04/15/2011, signed and sealed by Frank L. Bennardo, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS “Submitted under NOA # 11-0513.04”

1. Test report on Self-Ignition Temperature per ASTM D1929-96(2000), Flame Spread Index and Smoke Developed Index per ASTM D84-10b of RayLite EPS foam insulation, prepared by Architectural Testing, Inc., Test Report No. **B1755.01-122-18**, dated 08/17/2011, signed and sealed by Michael D. Stremmel, P.E.

F. STATEMENTS “Submitted under NOA # 15-0916.07”

1. Statement letter of code conformance with the 5th edition (2014) FBC issued by Engineering Express, dated 05/19/2015, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest issued by Engineering Express, dated 05/19/2015, signed and sealed by Frank L. Bennardo, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 16-0329.05
Expiration Date: September 15, 2021
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CW WL DOCK DOORS

LARGE MISSILE IMPACT RESISTANT

FRANK L. BENNARDO, P.E.
 LICENSE No. 46549
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 03/18/2016

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE FIFTH EDITION (2014), FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER TAS 201 / 202 / 203 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. CONTRACTOR SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI U.O.N.
7. ALL DISSIMILAR MATERIALS IN CONTACT SHALL BE PAINTED, PLATED OR OTHERWISE INSULATED.
8. DOOR HEIGHT MAY VARY UP TO A MAXIMUM HEIGHT OF 120", PROVIDED THAT INDIVIDUAL PANEL HEIGHTS DO NOT EXCEED 24", AND A TOP PANEL IS USED AS SHOWN IN DETAIL 1/6.
9. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **16-0329.05**

Expiration Date **09/15/2021**

By *[Signature]*
 Miami-Dade Product Control

ALLOWABLE DESIGN PRESSURES
 +52.0 PSF
 -67.5 PSF

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 160 SW 12th AVENUE, #106
 DEERFIELD BEACH, FL 33442
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 WWW.ENGINEERINGEXPRESS.COM
 CERT OF AUTH #886
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 SUSSEX, WI 53089
 PHONE: 1-800-575-3366 FAX: (262) 246-1301
 FIBERGLASS DOCK DOORS
 CW WL OVERHEAD GARAGE DOOR
 MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (11-TKO-0001)	KL	FLB	04/14/11
REV. PER BNC COMMENTS	KL	FLB	08/23/11
2010 FBC	KL	FLB	12/02/11
NAME CHANGE	KL	FLB	10/09/12
FBC UPDATE	RVN	CSL	05/18/15

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15-2402
 SCALE: -
 PAGE DESCRIPTION:
 1 OF 7

118.75" (MAX PANEL WIDTH)
 NOTE: PANELS MANUFACTURED 1.25"
 LESS THAN DOOR OPENING.

A
 1
 PLAN VIEW
 N.T.S.

B
 1
 SECTION VIEW
 N.T.S.

1
 1
 INTERIOR ELEVATION
 N.T.S.

120" MAX. DOOR HEIGHT WITH
 5 PANELS (SEE NOTE 8)

24" MAX. PANEL HEIGHT
 24" MAX. PANEL HEIGHT
 24" MAX. PANEL HEIGHT
 24" MAX. PANEL HEIGHT
 24" MAX. PANEL HEIGHT

120" MAX. DOOR WIDTH

SEE SHEET 6 OF 7 FOR DETAIL
 PANEL HARDWARE

SEE SHEET 5 OF 7 FOR DETAIL
 TRACK ANCHOR MOUNTING

SEE SHEET 4 OF 7 FOR DETAIL
 LOWER TRACK ASSEMBLY

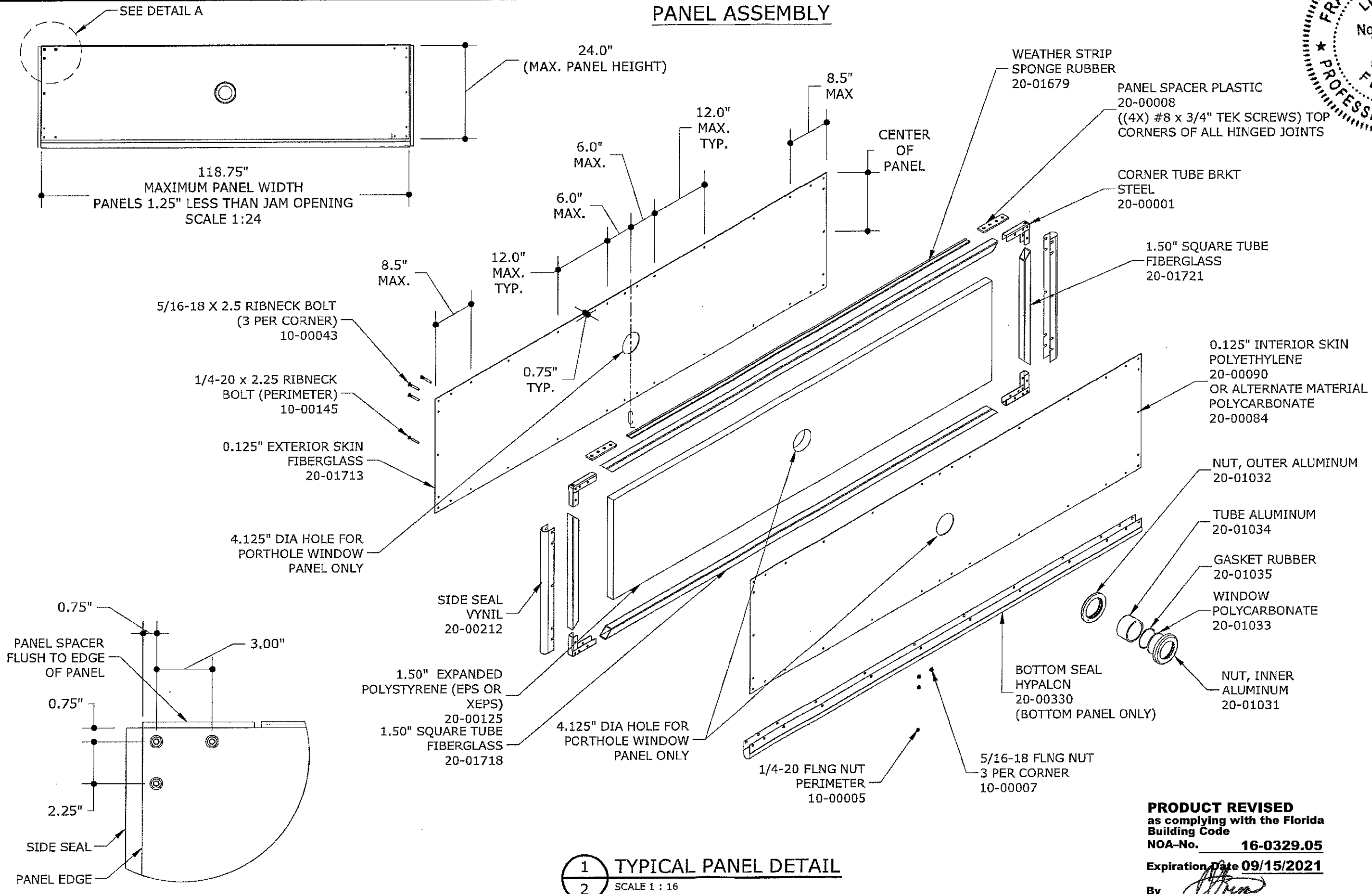
SEE SHEET 2 OF 7 FOR DETAIL
 PANEL ASSEMBLY

SEE SHEET 2 OF 7, FOR PANEL
 ASSEMBLY

SEE SHEET 3 OF 7 FOR DETAIL
 PANEL COMPONENTS

C:\Projects\16-2402 Fiberglass Dock Doors Model CW VLN - NOA - Update 12-10-19.12 (11-TKO-01)1-Project\WP15-2402b Fiberglass Dock Doors NOA.dwg
 rickn
 03/18/2016 - 10:13am

PANEL ASSEMBLY



A CORNER DETAIL
SCALE 1 : 5

1 TYPICAL PANEL DETAIL
SCALE 1 : 16

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **16-0329.05**
Expiration Date **09/15/2021**
By *[Signature]*
Miami-Dade Product Control

FRANK L. BENNARD
LICENSED PROFESSIONAL ENGINEER
No. 46549
03/18/2016
STATE OF FLORIDA

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160 SW 12th AVENUE, #106
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A FRANK L. BENNARD, P.E., INC. INNOVATION
CERT OF AUTH #985

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FIBERGLASS DOCK DOORS
CW WL OVERHEAD GARAGE DOOR
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (11-TKO-0001)	KL	FLB	04/14/11
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FBC UPDATE	RWN	CSL	05/19/15

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15-2402

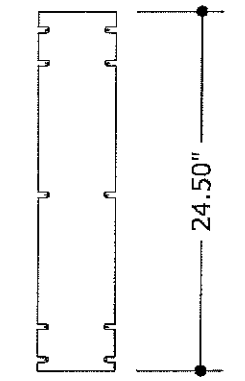
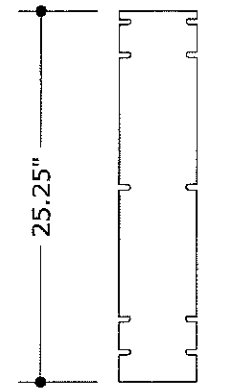
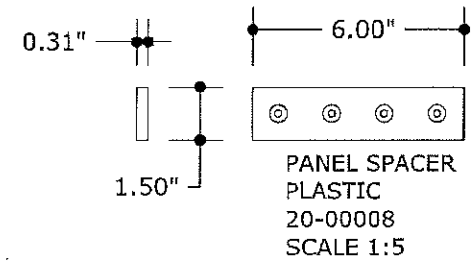
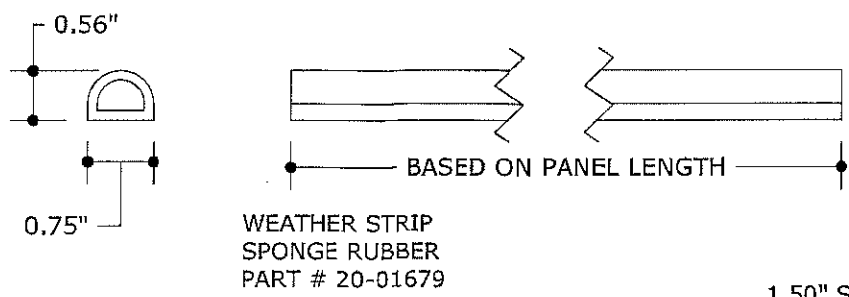
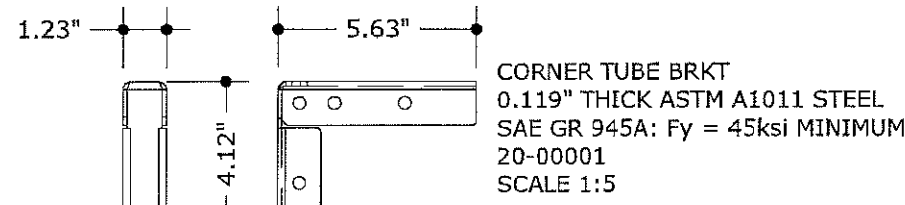
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2 OF 7

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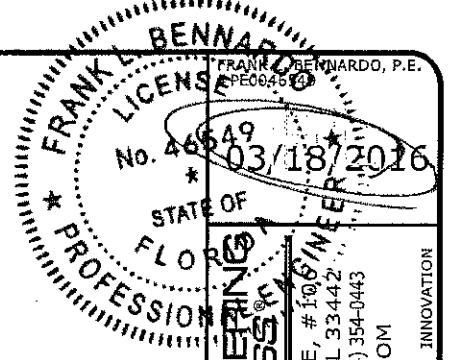
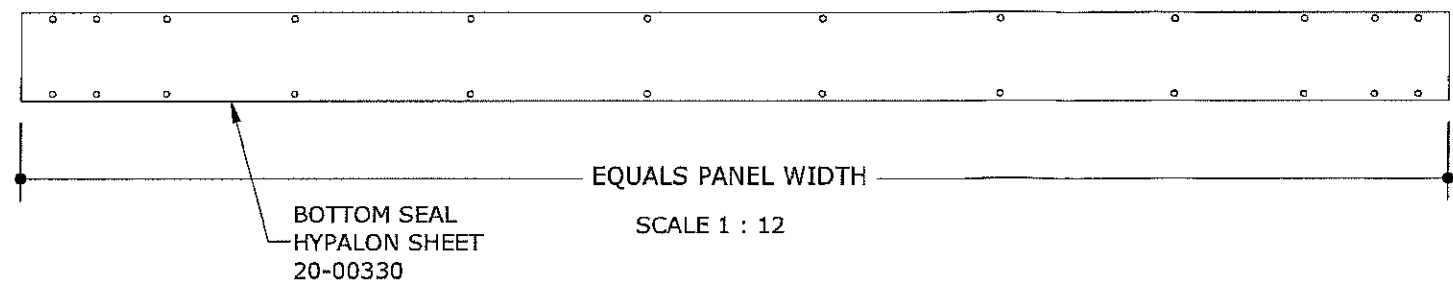
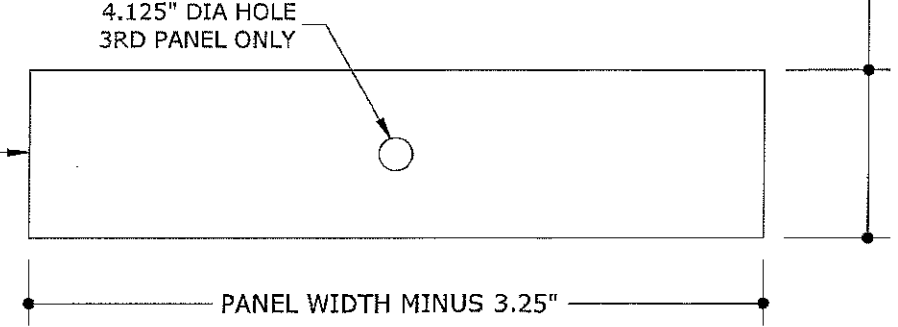
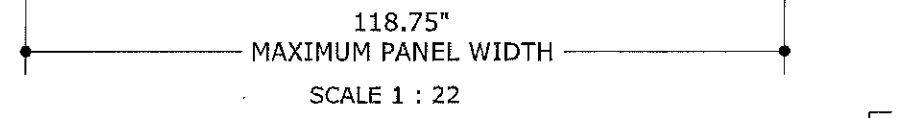
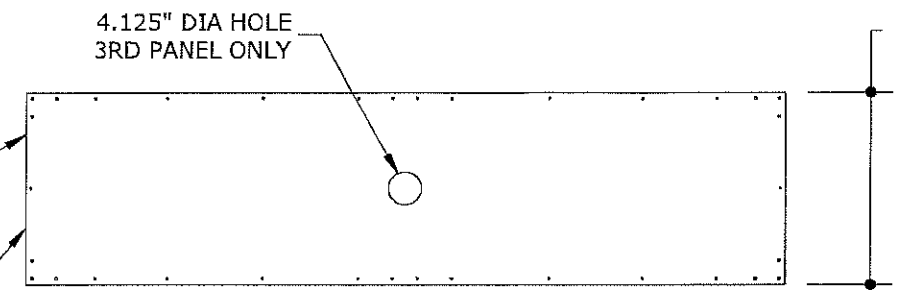
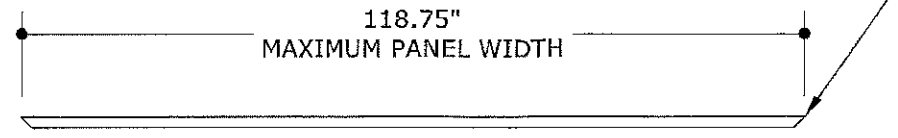
PANEL COMPONENTS



0.125" EXTERIOR SKIN
FIBERGLASS
20-01713

0.125" INTERIOR SKIN
POLYETHYLENE
20-00090
OR ALTERNATE MATERIAL
POLYCARBONATE
20-00084

1.50" INSULATION
EXPANDED POLYSTYRENE
20-00125



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FIBERGLASS DOCK DOORS
CW WL OVERHEAD GARAGE DOOR
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INITIAL ISSUE (11-TKO-0001)	KL	FLB	04/14/11
REV. PER BNC COMMENTS	KL	FLB	08/23/11
2010 FBC	KL	FLB	12/02/11
NAME CHANGE	KL	FLB	10/09/12
FBC UPDATE	RWN	CSL	05/19/15

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PRODUCT REVISED
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Expiration Date **09/15/2021**

By *[Signature]*
Miami-Dade Product Control

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15-2402

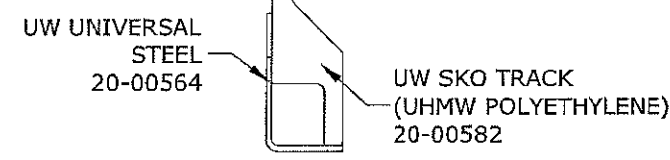
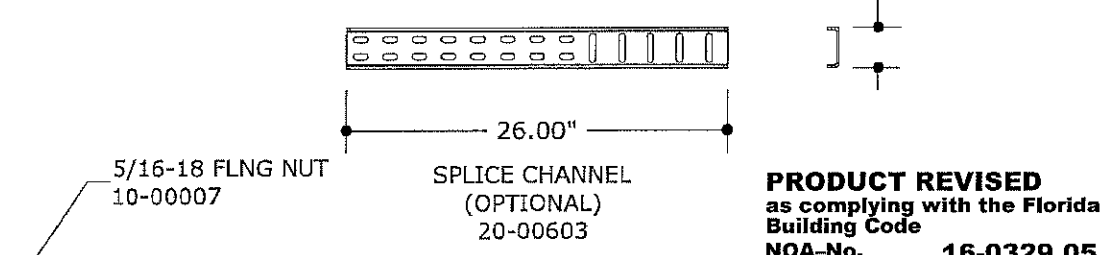
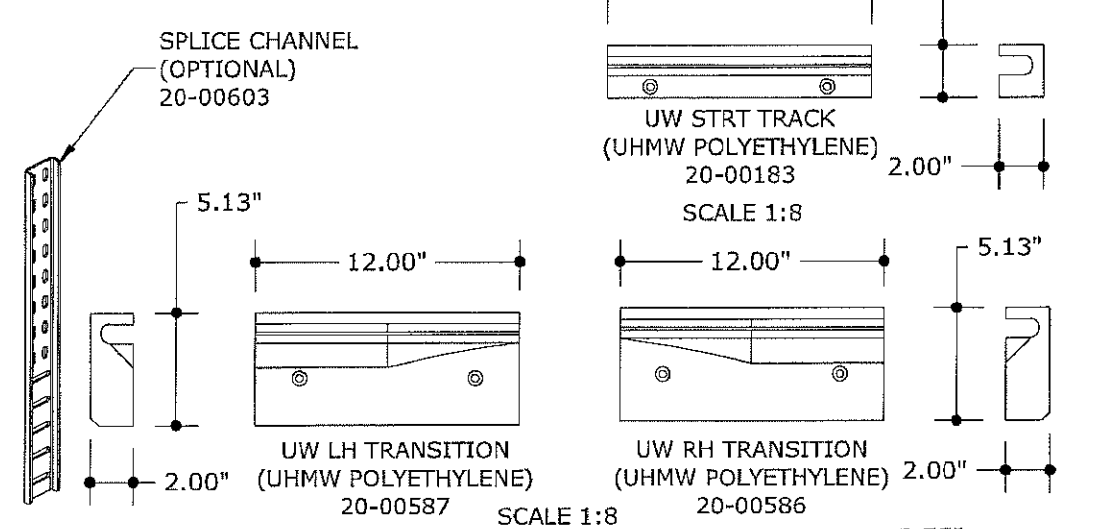
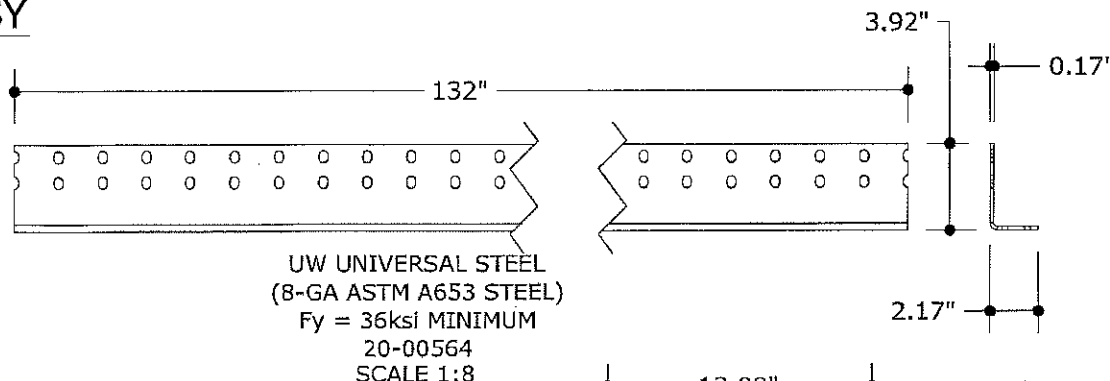
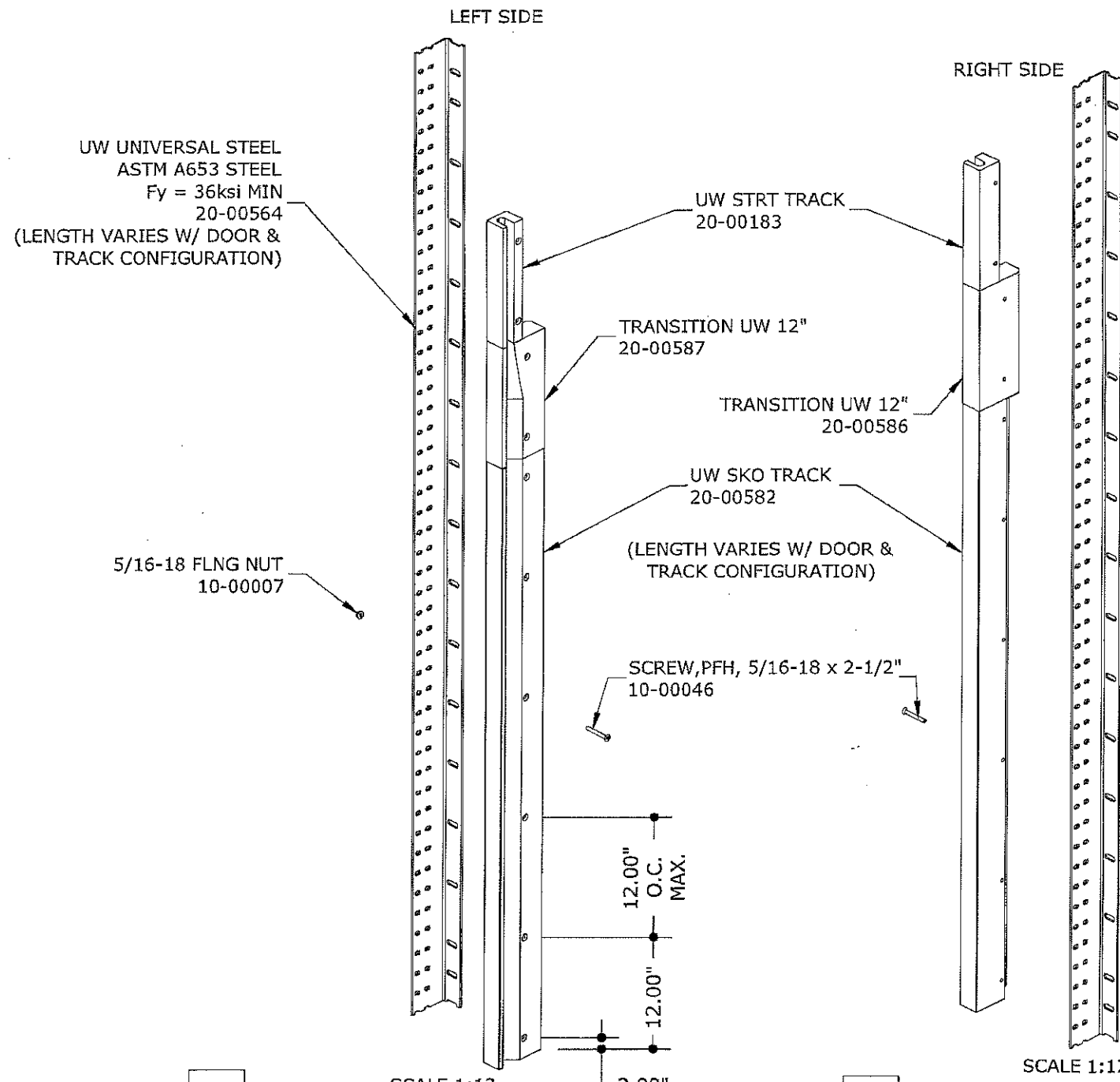
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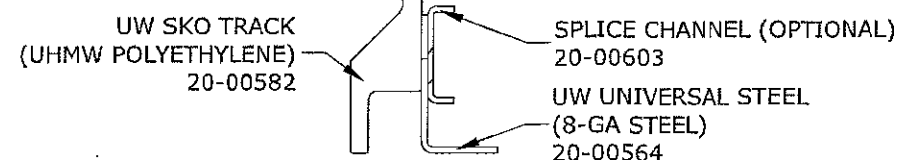
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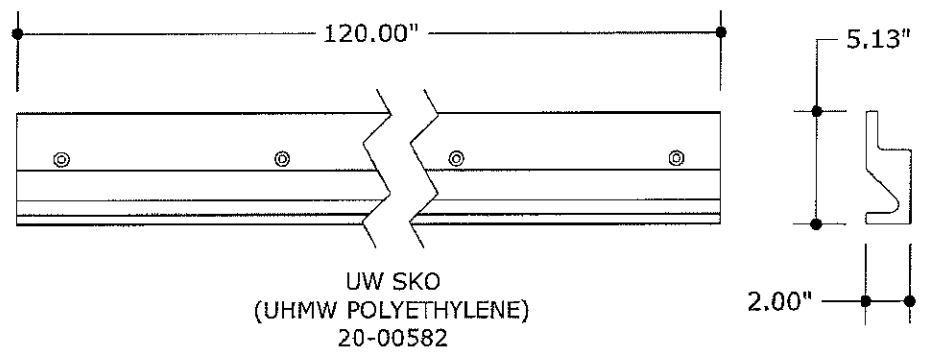
LOWER TRACK ASSY



REVERSE MOUNT
SCALE 1 : 5



STANDARD MOUNT
SCALE 1 : 5



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FRANK L. BENNARDO
Professional Engineer
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03/18/2016
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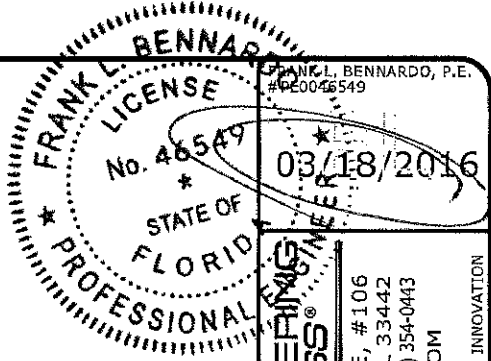
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PBC UPDATE	RWN	CSL	05/19/16

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TRACK ANCHOR MOUNTING



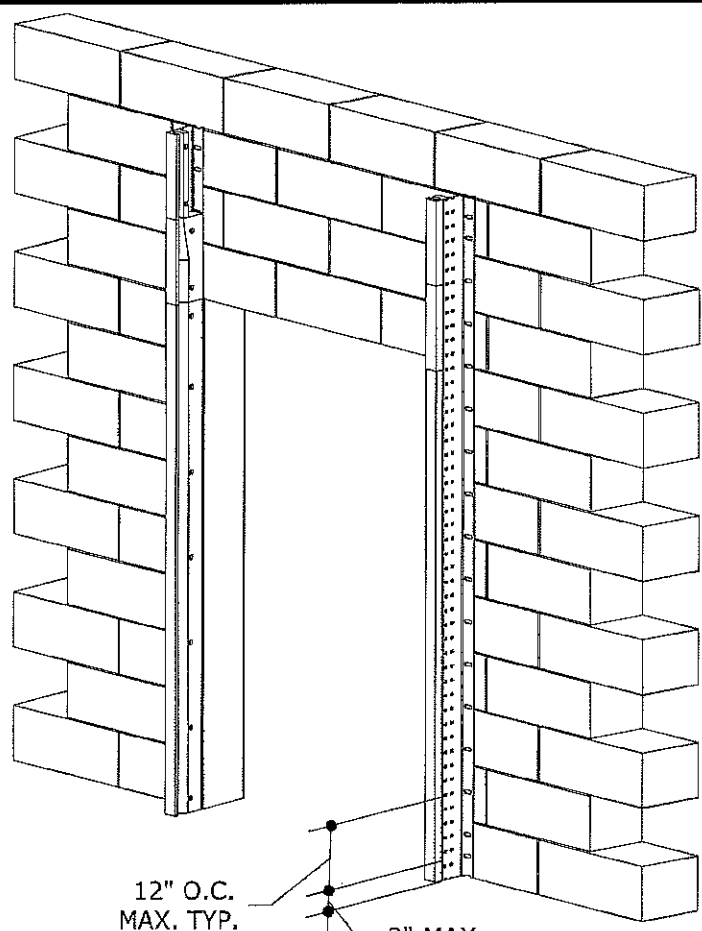
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 160 SW 12th AVENUE, #106
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 Ph: (954) 354-0660 Fax: (954) 354-0443
 WWW.ENGEXP.COM
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 A FRANK L. BENNARDO, P.E., INC. INNOVATION

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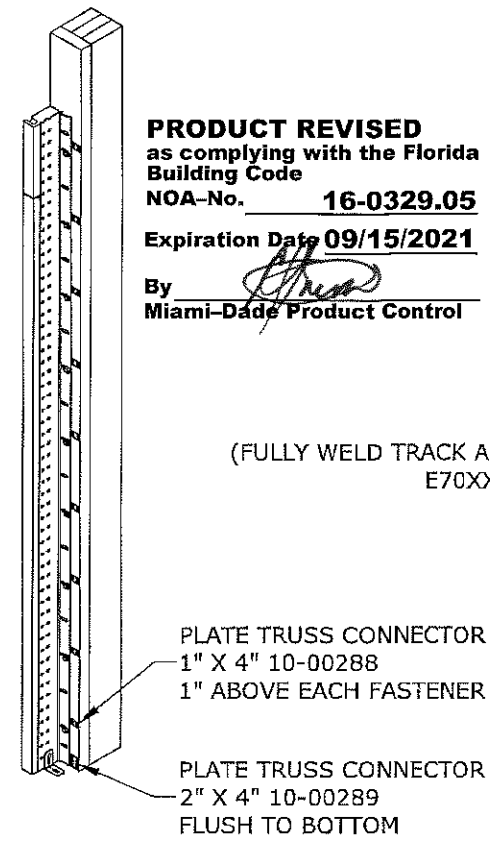
REMARKS	DATE	DRWN	CHKD
INIT ISSUE (11-TKO-0001)	04/14/11	KL	FLB
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NAME CHANGE	10/09/12	RWV	CSL
FBC UPDATE	08/19/15	RWV	CSL

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15-2402
 SCALE: -
 PAGE DESCRIPTION:
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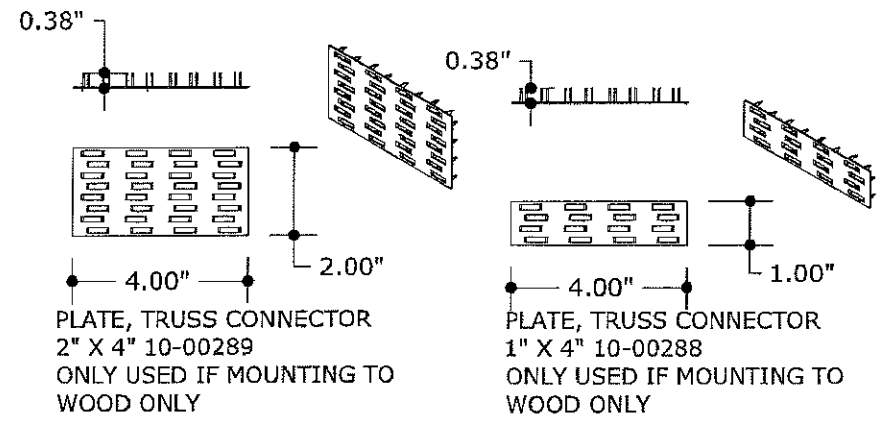
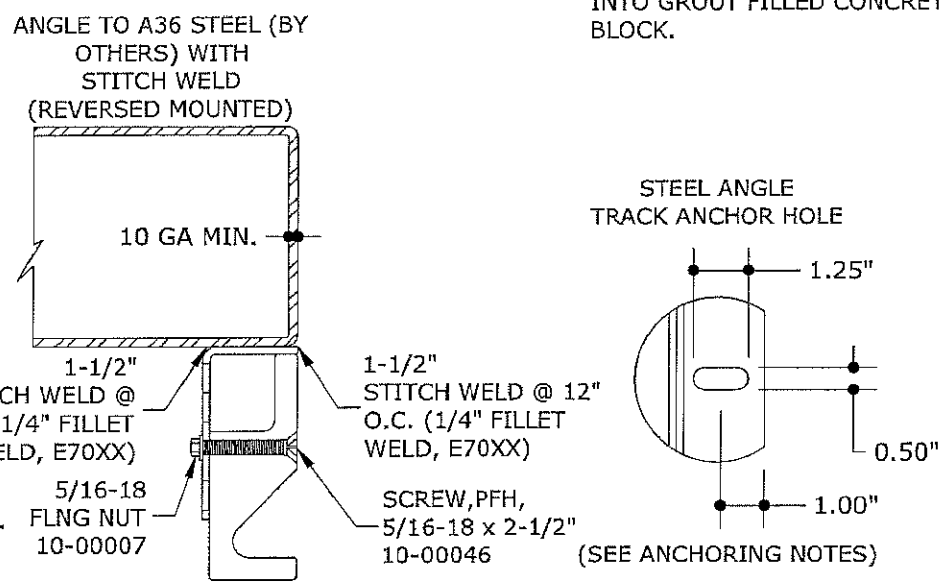
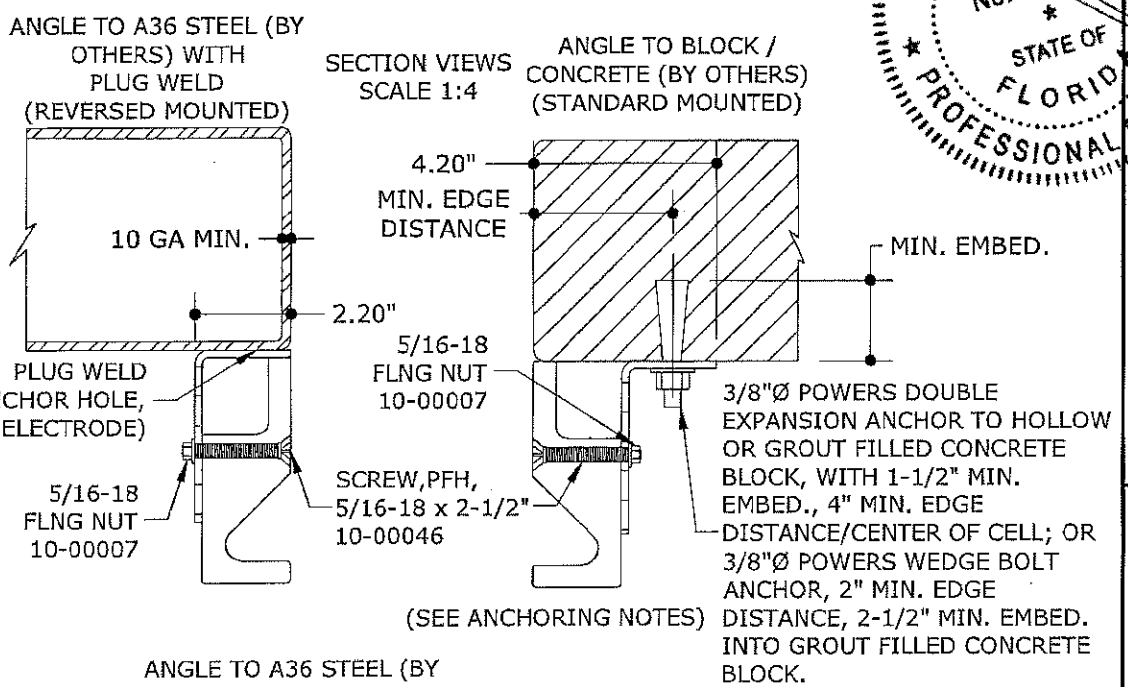


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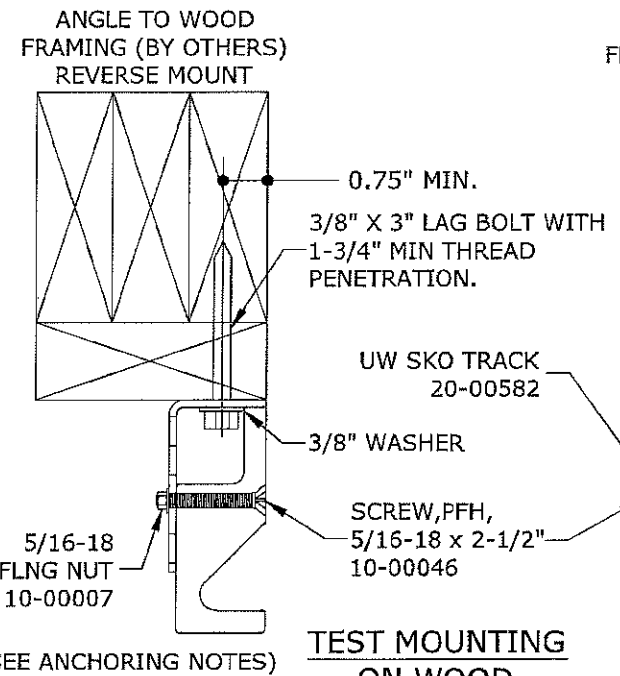
TEST MOUNTING ON WOOD

OPTIONAL TRACK ANCHOR DETAILS

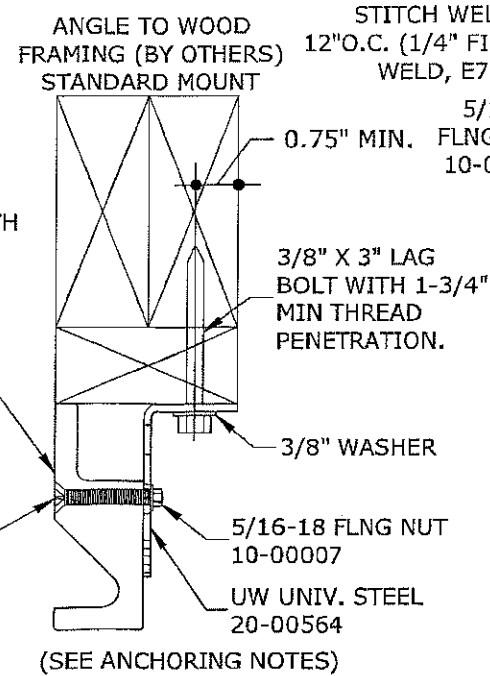


ANCHORING NOTES:

1. THIS SYSTEM SHALL BE ANCHORED WITH ANY OF THE ANCHORING METHODS SHOWN HEREIN, WITH A MINIMUM OF ONE ANCHOR LOCATED 2" MAX. FROM THE BOTTOM OF THE TRACK AND 12" O.C. MAX. THEREAFTER.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
3. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
4. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
5. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR DETAIL. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
6. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
7. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
8. MACHINE SCREWS SHALL HAVE MINIMUM OF 1/2" ENGAGEMENT OF THREADS IN BASE ANCHOR AND MAY HAVE EITHER A PAN HEAD, TRUSS HEAD, OR WAFER HEAD ("SIDEWALK BOLT") U.N.O.



TEST MOUNTING ON WOOD



TEST MOUNTING ON WOOD

03/18/2016 - 10:13am rldm
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FASTENER NOTE:

1- FIXED PLUNGERS, HANDLES, AND TPU CABLE BRKTS, ARE MOUNTED TO THE PANELS USING: (3) 5/16-18 X 2-1/2" RIBNECK BOLTS AND (3) 5/16-18 FLANGE NUTS.

2- SPRING PLUNGERS, AND ADAPTER PLATES ARE MOUNTED TO THE PANELS USING: (4) 5/16-18 X 2-1/2" RIBNECK BOLTS, (4) 5/16-18 FLANGE NUTS, AND (2) #10 - 3/4" TEK SCREWS.

3- FABRIC HINGE, AND HINGE STRAP ARE MOUNTED TO THE PANELS USING: (2) 5/16-18 X 2-1/2" RIBNECK BOLTS AND (2) 5/16-18 FLANGE NUTS.

4- PANEL PLATES ARE MOUNTED TO THE PANELS USING: (6) 5/16-18 X 2-1/2" RIBNECK BOLTS, (6) 5/16-18 FLANGE NUTS, (1) 1/4-20 X 2-1/4" RIBNECK BOLT AND (1) 1/4-20 FLANGE NUT.

5- SLIDE LOCKS ARE MOUNTED TO THE PANELS USING: (4) #14 X 3/4" TEK SCREWS.

6- TORQUE REQUIREMENT FOR FASTENERS NOT IN CORNERS RIBNECK 1/4-20 BOLTS MUST BE TORQUED TO 30 +/-5 IN-LB, 5/16-18 BOLTS MUST BE TORQUED TO 45 +/-5 IN-LB.

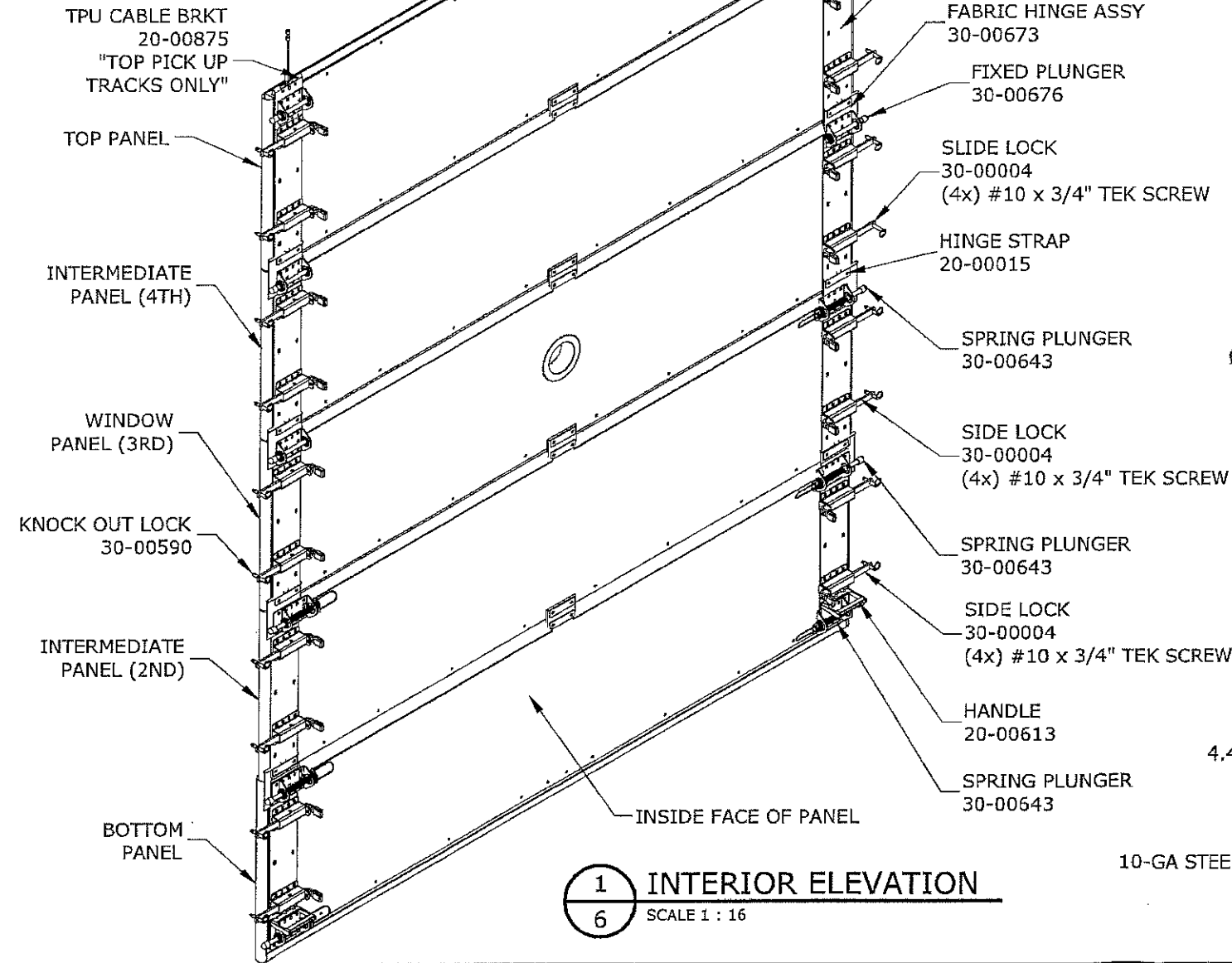
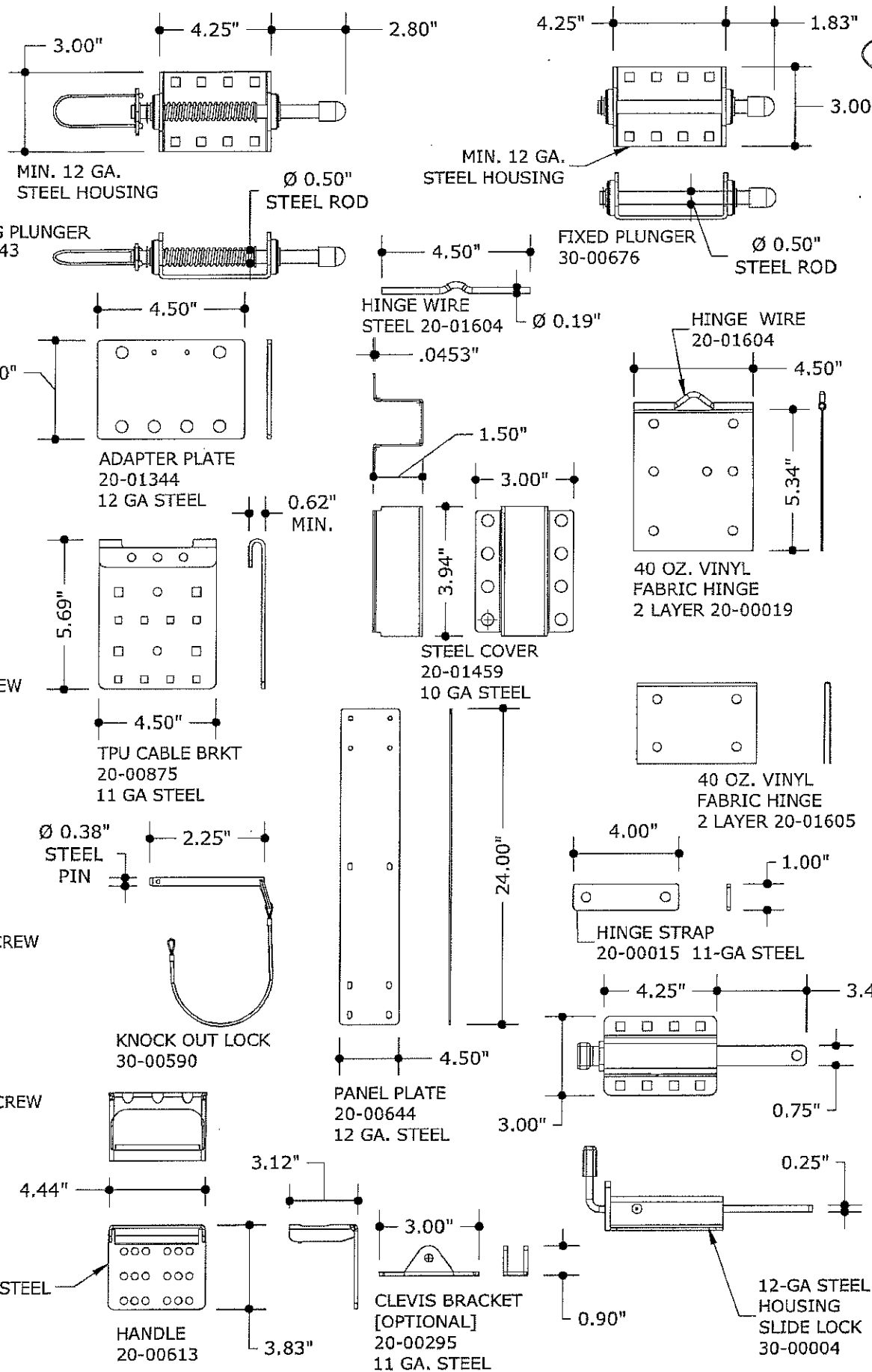
PANEL HARDWARE

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1 INTERIOR ELEVATION
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FIBERGLASS DOCK DOORS
CW WL OVERHEAD GARAGE DOOR
MIAMI-DADE NOTICE OF ACCEPTANCE

DRWN	CHKD	DATE
KL	FLB	04/14/11
KL	FLB	09/23/11
KL	FLB	12/02/11
RWN	CSL	10/09/12
KL	FLB	05/18/15

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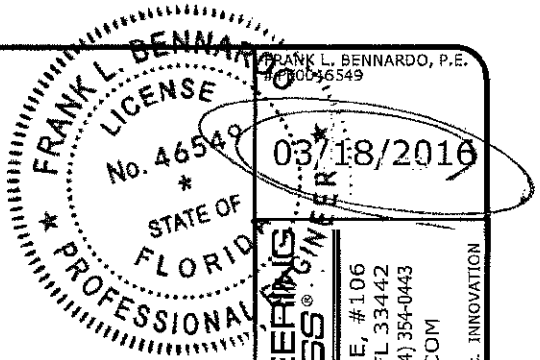
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MATERIALS LIST:

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Part Number	Item Description	Manufacturer/Notes	Location
Panel Components			
20-00090	0.125" interior skin	Extruded Polyethylene sheet	Front face of all panels
20-00084	0.125" interior skin	Polycarbonate sheet	Front face of all panels (alternative material)
20-01713	0.125" exterior skin	Pultruded Fiberglass sheet [†]	Back face of all panels
20-00125	1-1/2" insulation	1 lb density E.P.S. sheet	Inside core of all panels
20-01718	1-1/2" SQ x 0.125" wall tube [horizontal]	Pultruded Fiberglass tube	Top/bottom of all panel frames
20-01721	1-1/2" SQ x 0.125" wall tube [vertical]	Pultruded Fiberglass tube	Sides of all panels frames
20-00001	Corner tube bracket	0.119 steel	Corners of all panel frames
20-00008	Panel spacer	HMPPE plastic	Top corners of all panels forming panel joint
20-01679	"D" profile weather stripping	Sponge rubber	Top of all panels forming panel joint
20-00132	Panel Side seal	22 oz. Vinyl	Sides of all non- bottom panel frames
20-00212	Bottom Panel Side seal	22 oz. Vinyl	Sides of all bottom panel frames
20-00330	Bottom seal	35 oz. Hypalon	Bottom panel
Panel Hardware			
30-00676	FIXED plunger assembly	TKO Doors (steel)	1 at each upper corner of 3rd panel & above
20-01459	Plunger Covers	TKO Doors (steel)	1 each per plunger
30-00589	4" Porthole Assembly	TKO Doors	1 in center of 3rd panel
20-00644	Panel Plate	Galv 12-ga steel	Sides of all panels
30-00673	Fabric Hinge Assembly	40 oz. Vinyl polyester (2 layer)	Top corners of all panels forming panel joint
20-01605	Fabric Center hinge	40 oz. Vinyl polyester (2 layer)	Top center of all panels forming panel joint
20-00015	Hinge strap	TKO Doors (steel)	1 each for corner hinges 2 each for center hinges
20-01604	Hinge Wire	TKO Doors (steel)	1 each per corner hinges 30-00673
30-00643	SPRING plunger assembly	TKO Doors (steel) [6 per door]	1 at each upper/lower corner of bottom panel & 1 at each upper corner on 2nd panel
20-01344	Plate, Adapter	Galv. 12 ga. Steel	Under each Spring Plunger 30-00643 except where handles 20-00613 are located
30-00004	Slide lock assembly	TKO Doors (steel) [4 per panel]	2 each on each end centered on panel
30-00590	Knock Out Lock, Windload	TKO Doors (steel)	1 per slide lock. (out hole of engaged lock)
20-00613	Handle	TKO Doors (steel)	Lower corners of bottom panel &
20-00875	TPU cable bracket (optional)	TKO Doors (steel)	Top corners of top panel
20-00295	Bracket, Clevis [optional]	TKO Doors [steel]	Cable Attachment Point [varies]
20-01609	Panel seal	40 oz. Vinyl polyester	Between all panels forming panel joint (2 per)
Track Hardware			
20-00582	UW SKO track (length varies with door size)	UHMWPE*	Lower track
20-00586	UW 12" transition, R.H.	UHMWPE*	Lower track
20-00587	UW 12" transition, L.H.	UHMWPE*	Lower track
20-00183	UW strt track (length varies with door size)	UHMWPE*	Upper track
20-00603	Splice Channel (optional based on upper track)	Galv 8-ga steel	Lower track
20-00564	UW universal steel (length varies with door size)	Galv 8-ga steel	Lower track
Fasteners			
10-00043	5/16-18 x 2-1/2" ribneck bolt	*****	4 per panel corner (12 per panel)
10-00007	5/16-18 flange nut	*****	4 per panel corner (12 per panel)
10-00145	1/4-20 x 2-1/4" ribneck bolt	*****	1 per vertical panel edge (centered) & min 12" O.C. per horizontal edge
10-00065	1/4 Washer	*****	1 per vertical panel edge (centered) & min 12" O.C. per horizontal edge
10-00005	1/4-20 flange nut	*****	1 per vertical panel edge (centered) & min 12" O.C. per horizontal edge
10-00061	#8 x 3/4" tek screw	*****	2 per panel spacer
10-00062	#14 x 3/4" tek screw	*****	4 per slide lock assembly, 2 per Spring Plungers where applicable
10-00046	5/16-18 X 2-1/2" PFH screw	*****	Min 12" O.C. per track length
10-00007	5/16-18 flange nut	*****	Min 12" O.C. per track length
10-00288	Plate, Truss, Connector 1" x 4"	*****	1" above each fastener in lower track
10-00289	Plate, Truss, Connector 2" x 4"	*****	Aligned with the bottom edge of lower track mounting surface

[†]MANUFACTURED BY BEDFORD REINFORCED PLASTICS, INC.
 *ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE



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NAME CHANGE	KL	FLB	10/09/12
FBC UPDATE	RVN	CSL	05/19/15

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