



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
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 WW WL Plastic Sectional Garage Door up to 10'-0" Wide x 10'-0" High

APPROVAL DOCUMENT: Drawing No. 13-TKO-0102, titled "Fiberglass Dock Doors WW WL Overhead Garage Door", sheet 1 through 8 of 8, dated 05/06/2013, with last revision dated 05/16/2014, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by Carlos M. Utrera, P.E.



Utrera
10/04/2014

NOA No 13-0521.03
Expiration Date: August 14, 2019
Approval Date: August 14, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **13-TKO-0102**, titled "Fiberglass Dock Doors WW WL Overhead Garage Door", sheet 1 through 8 of 8, dated 05/06/2013, with last revision dated 05/16/2014, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

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 TAS 202-94
Along with marked-up drawings and installation diagram of Welter Weight Doors, prepared by Architectural Testing, Inc., Test Report No. **D5680.01-602-18**, dated 04/07/2014, signed and sealed by Shawn G. Collins, 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
4) Forced Entry Test, per FBC TAS 202-94
Along with marked-up drawings and installation diagram of Welter Weight Doors, prepared by Architectural Testing, Inc., Test Report No. **C3614.01-602-18**, dated 03/28/2013, signed and sealed by Shawn G. Collins, P.E.
3. Test report on Self-ignition Temperature per ASTM D1929, Smoke Density Rating per ASTM D2843 and Rate of Burn per ASTM D635 of various plastic door components, prepared by Architectural Testing, Inc., Test Report No. **C2850.01-106-18**, dated 11/21/2012, signed and sealed by Gary T. Hartman, P.E.

C. CALCULATIONS

1. Jamb anchor calculations prepared by Engineering Express, dated 05/14/2013 and 05/20/2014, 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

1. Test report on Flame Spread Index and Smoke Developed Index per UL-723 of XEPS foam insulation, Test Report No. **BRYX.R3573** dated 07/12/2010.

F. STATEMENTS

1. Statement letter of code conformance with 2010 FBC, issued by Engineering Express, dated 05/06/2013, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest issued by Engineering Express, dated 05/06/2013, signed and sealed by Frank L. Bennardo, P.E.


09/04/2014

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 13-0521.03

Expiration Date: August 14, 2019
Approval Date: August 14, 2014

WW WL DOCK DOORS

LARGE MISSILE IMPACT RESISTANT

FRANK L. BERNARDO, P.E.
 LICENSE NO. 46549
 05/20/2014
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 160 SW 12th AVENUE, #1006 OF
 DEERFIELD BEACH, FL 33442
 PH: (954) 354-0660 FAX: (954) 354-0443
 WWW.ENGP.COM
 CERT. OF AUTH. #0886
 A FRANK L. BERNARDO, P.E., INC. INNOVATION

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE, 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 $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 1620 OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. 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.
6. 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.
7. 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.
8. ALL DISSIMILAR MATERIALS IN CONTACT SHALL BE PAINTED, PLATED OR OTHERWISE INSULATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.
9. DOOR HEIGHT MAY VARY UP TO A MAXIMUM HEIGHT OF 120", PROVIDED THAT INDIVIDUAL PANEL HEIGHTS DO NOT EXCEED 24".
10. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.

ALLOWABLE DESIGN PRESSURES

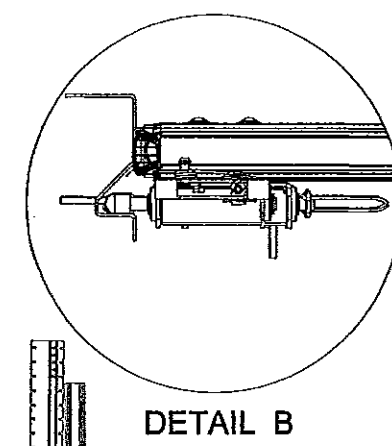
+52.0 PSF
-52.0 PSF

Approved as complying with the
 Florida Building Code
 Date 05/19/2014
 NOAH 13-0521.03
 Miami Dade Product Control
 By *[Signature]*

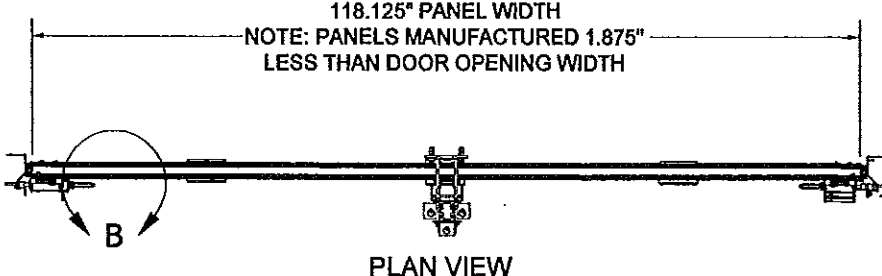
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INT ISSUE	KL	FLB	05/08/13
REV PER COMMENTS	KL	FLB	05/16/14

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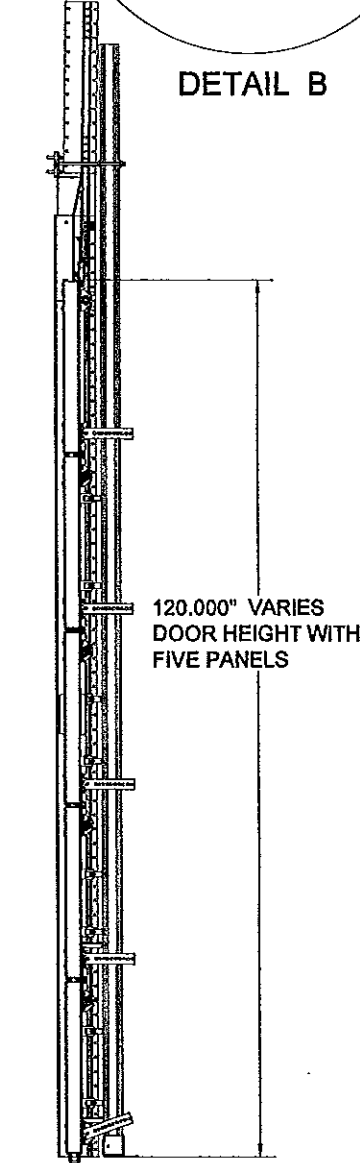
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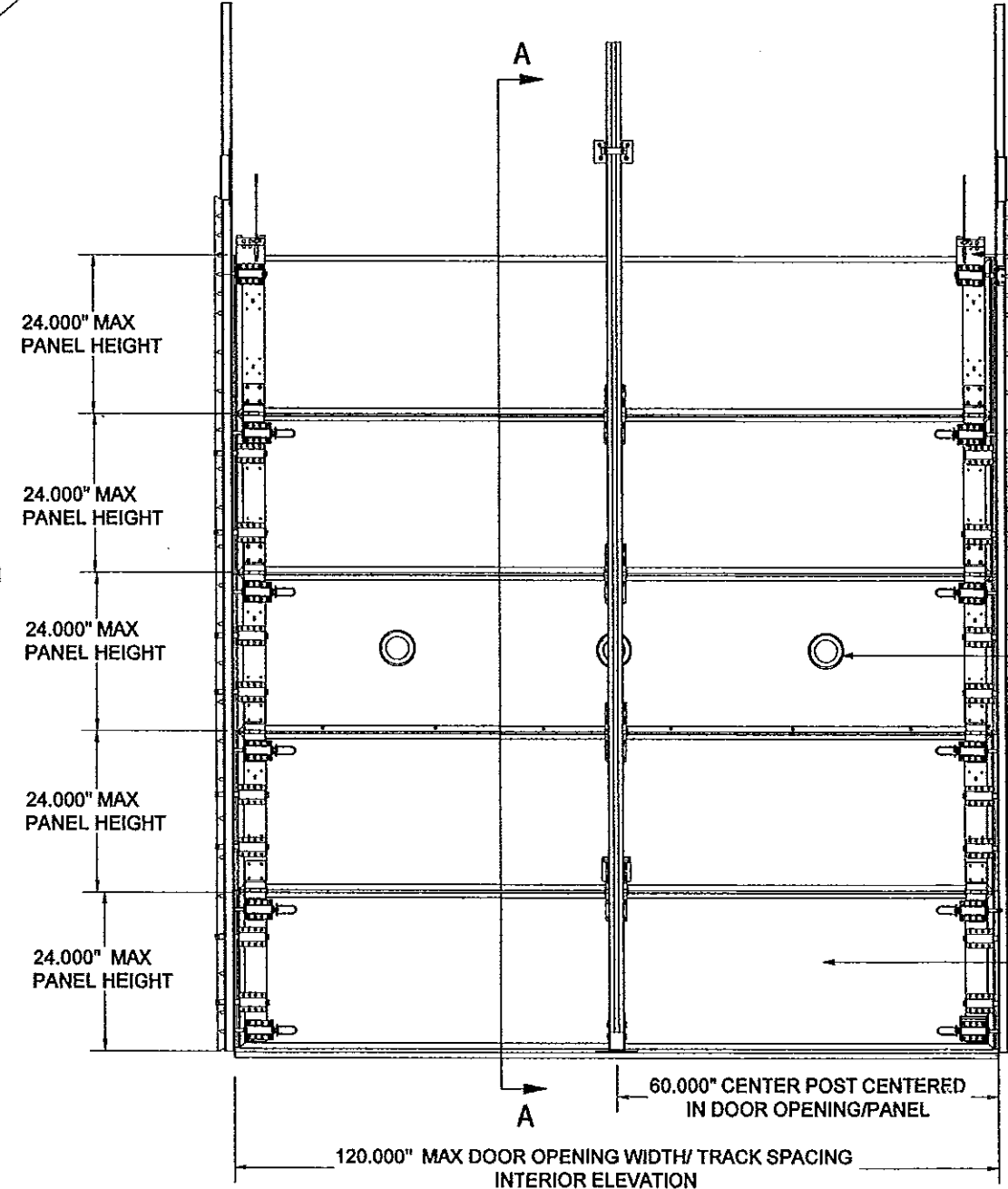
DETAIL B



PLAN VIEW



SECTION A-A
SECTION SIDE VIEW



SEE SHEETS 7 OF 8
AND 8 OF 8 FOR DETAIL
PANEL HARDWARE

SEE SHEET 4 OF 8
AND SHEET 5 OF 8
FOR DETAIL LOWER
TRACK ASSEMBLY

SEE SHEET 2 OF 8
FOR DETAIL
PANEL ASSEMBLY

SEE SHEET 6 OF 8
FOR DETAIL TRACK
ANCHOR MOUNTING

SEE SHEET 3 OF 8
FOR DETAIL
PANEL COMPONENTS

120.000" MAX DOOR OPENING WIDTH/ TRACK SPACING
INTERIOR ELEVATION

60.000" CENTER POST CENTERED
IN DOOR OPENING/PANEL

24.000" MAX
PANEL HEIGHT

24.000" MAX
PANEL HEIGHT

24.000" MAX
PANEL HEIGHT

24.000" MAX
PANEL HEIGHT

24.000" MAX
PANEL HEIGHT

120.000" VARIES
DOOR HEIGHT WITH
FIVE PANELS

118.125" PANEL WIDTH
NOTE: PANELS MANUFACTURED 1.875"
LESS THAN DOOR OPENING WIDTH

WW WL PANEL ASSEMBLY

A

B

23.900 MAX PANEL HEIGHT

4.125" DIA HOLE FOR PORTHOLE WINDOW (WINDOW PANEL ONLY)

118.125 MAX PANEL WIDTH
PANELS 1.875" LESS THAN JAMB OPENING

#8X3/4" K-LAT
PART NO. 10-
(X4 PER COR)

EXTERIOR MATERIAL: .030" ALUMINUM
TYPE 3003-H134 EMBOSSED
FINISH: PAINTED WHITE WITH KRYSTAL KOTE
(GLUED TO THE XEPS FOAM CORE WITH MOR-AD M-642)

BOLT, CRG, 1/4-20 X 3.00"
(4 PER CORNER)
PART NO. 10-00030

-SEAL, 2" T-SLOT
PART NO. 20-00027

2.025" PANEL THICKNESS

2" HORIZONTAL SEAL -
PART NO. 20-00023

3/4" X 3" D-PROFILE (X2)
(ONE PER CORNER
TOP OF PANEL ONLY)
PART NO. 20-01456

SEAL, SIDE LOOP, BLACK
PART NO. 20-00776
CUT TO LENGTH FROM
TKO PART NO. 20-00028

—SEAL, 2" T-SLOT
PART NO. 20-01612

CORNER BRACKET, WW
14-GA ASTM A1011 Fy=30 KSI MIN
CLEAR ZINC FINISH (1 PER CORNER)
PART NO. 20-00045

—#8X3/4" K-LATH SCREW
(X2 PER BRACKET)
PART NO. 10-00127

WINDOW, POLYCARB (LEXAN)
PART NO. 20-01033

NUT, INNER, ALUM
PART NO. 20-01031

GASKET, RUBBER
 PART NO. 20-01035
 TUBE, ALUMINUM
 PART NO. 20-01984

RUBBER NUT
20-01035 PAR

PORTHOLE ASSY, WW THERMAL
30-00900

Technical drawing of a mechanical part. The drawing shows a side view of a component with a curved bottom edge. Dimensions are indicated: 1.500 (width), 2.000 (width), 1.500 (height), and 2.250 (height). The label 'CO' is present in the upper right corner, and 'W' is in the lower left corner. The drawing includes a vertical line on the left, a horizontal line at the top, and a curved line at the bottom. There are four small circles arranged in a 2x2 grid in the center of the part.

—NUT, OUTER, ALUM
PART NO. 20-01032

—TUBE, ALUMINUM
PART NO. 20-01984

— GASKET, RUBBER
PART NO. 20-01035

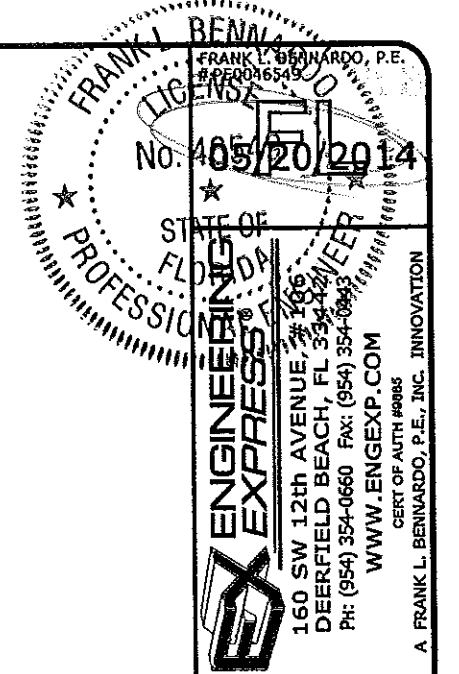
NUT, INNER, ALUM.
PART NO. 20-01031

PORTHOLE ASSY, WW
30-00852

By [Signature]

SCALE: 02
PAGE DESCRIPTION:

2



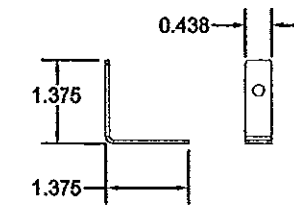
TTKO DOORS, DIVISION OF 4FRONT ENGINEERED SOLUTIONS, INC.
N56 W24701 NORTH CORPORATE CIRCLE, SUITE A
SUSSEX, WI 53089
PHONE: 1-800-575-3366 FAX: (262) 246-1301

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

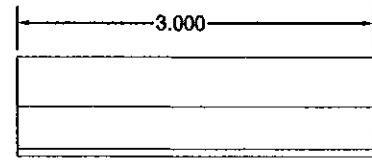
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INT ISSUE	KL	FLB	05/08/13
REV PER COMMENTS	KL	FLB	05/16/14
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"	"	"	"
"	"	"	"

8

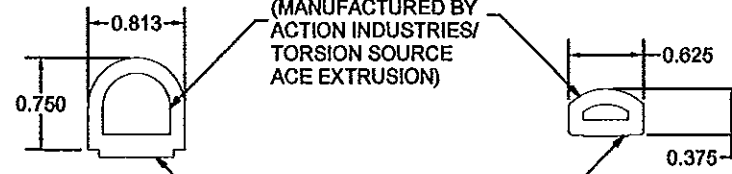
WW WL PANEL COMPONENTS



BRACKET, CORNER L, WW
PART NO. 20-00045
14-GA HRPO***, CLEAR ZINC FINISH
*** HOT-ROLLED STEEL, PICKLED & OILED

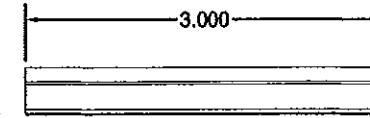


D-PROFILE, TRIM-LOK
PART NO. 20-01456
(SEE SHEET 2 OF 8 FOR LOCATION)

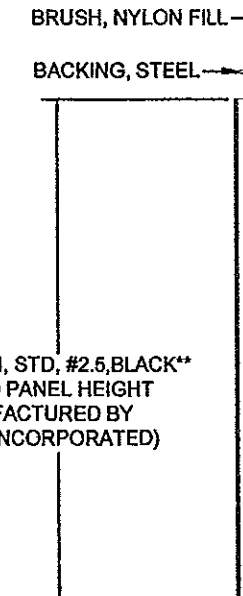


EPDM FOAM RUBBER-
OZONE RESISTANT
(MANUFACTURED BY
ACTION INDUSTRIES/
TORSION SOURCE
ACE EXTRUSION)

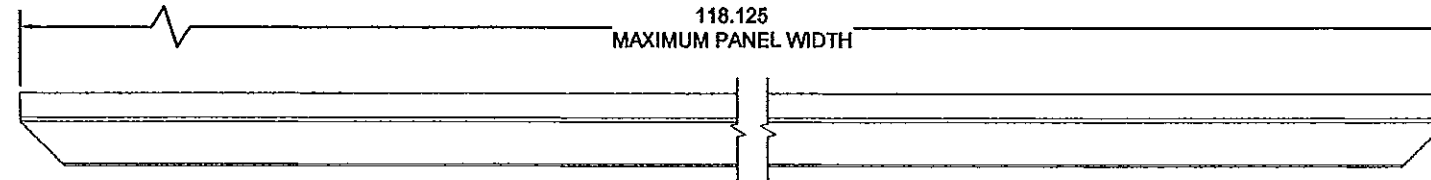
BT '3M' ACRYLIC TAPE SYSTEM



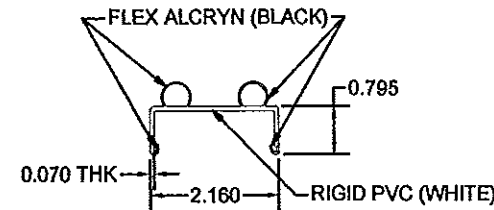
D-PROFILE, TRIM-LOK
PART NO. 20-00730
(SEE SHEET 2 OF 8 FOR LOCATION)



BRUSH, NYLON FILL
BACKING, STEEL
BRUSH, STD, #2.5, BLACK**
CUT TO PANEL HEIGHT
(MANUFACTURED BY
TANIS INCORPORATED)

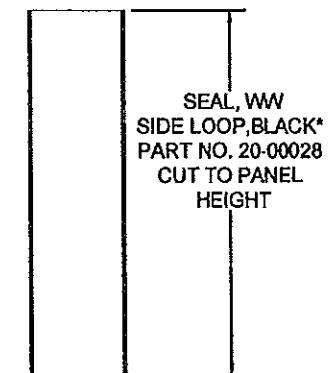


SEAL, 2" HORIZONTAL WHITE PART NO. 20-00023
(MANUFACTURED BY HI-TECH)



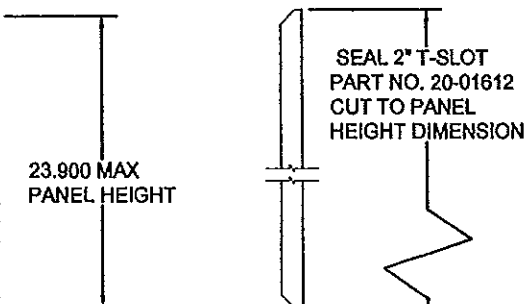
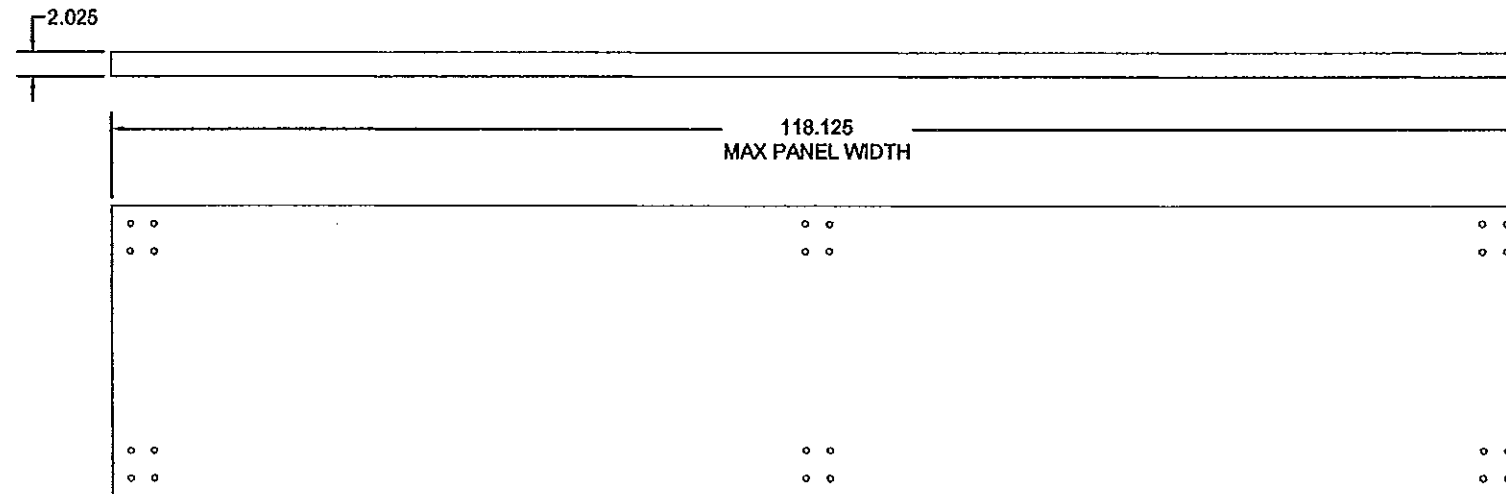
** NOTE:
- BRUSH, STD #2.5, 1.50" BLK
24.625" PART NO. 20-01578
(BOTTOM AND INTERMEDIATE
PANELS)
- BRUSH, STD #2.5, 1.50" BLK
24.000" PART NO. 20-01578
(TOP PANEL ONLY)

SLIP-COAT
BLACK
85 DUROMETER
FLEX-COAT
TPR WHITE
55 DUROMETER

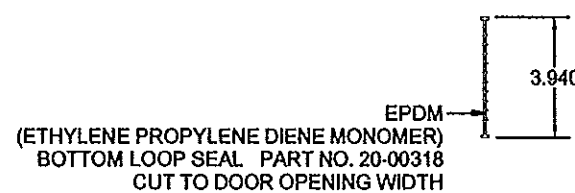
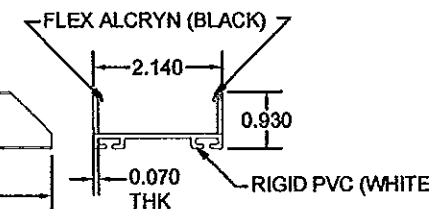


SEAL, WW
SIDE LOOP, BLACK*
PART NO. 20-00028
CUT TO PANEL
HEIGHT

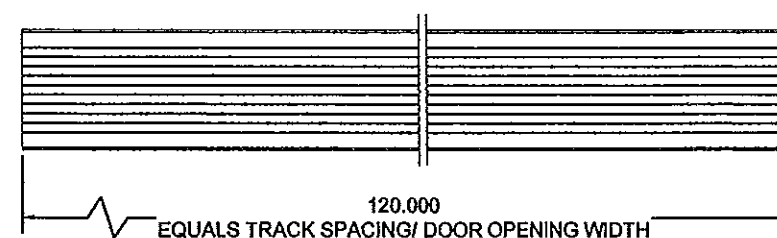
*NOTE:
-SEAL, WW, SIDE LOOP, 24-3/4"
PART NO. 20-00776
INTERMEDIATE PANEL
-SEAL, WW, SIDE LOOP, 25-1/2"
PART NO. 20-00777
BOTTOM PANEL ONLY



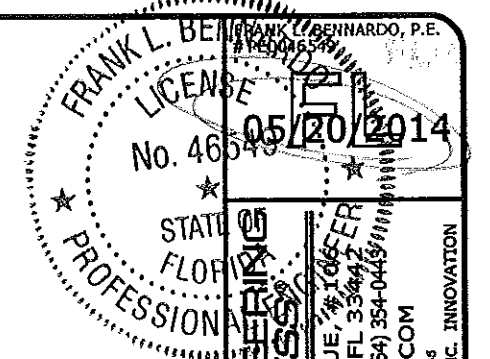
SEAL, 2" T-SLOT WHITE PART NO. 20-00027
(MANUFACTURED BY HI-TECH)



EPDM
(ETHYLENE PROPYLENE DIENE MONOMER)
BOTTOM LOOP SEAL PART NO. 20-00318
CUT TO DOOR OPENING WIDTH



EQUALS TRACK SPACING/ DOOR OPENING WIDTH



ENGINEERING
EXPRESS
160 SW 12th AVENUE, #1000
DEERFIELD BEACH, FL 33442
PH: (954) 354-0660 FAX: (954) 354-0449
WWW.ENGEXP.COM
CERT OF AUTH 100885
A FRANK L. BENVENUTO, P.E., INC. INNOVATION

TKO DOORS, DIVISION OF 4FRONT ENGINEERED SOLUTIONS, INC.
N56 W24701 NORTH CORPORATE CIRCLE, SUITE A
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WW WL OVERHEAD GARAGE DOOR
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DATE	DRWN	CHKD
INT ISSUE	05/06/13	KL	FLB
REV PER COMMENTS	05/16/14	KL	FLB

13-TKO-01
SCALE: 1/2"
PAGE DESCRIPTION:

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NOA# 13-0521.03
Miami Dade Product Control
By [Signature]

STEEL WW WL LOWER TRACK ASSEMBLY

FRANK L. BENNARDO, P.E.
LICENSE
No. 46549
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
05/20/2014

ENGINEERING
EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 FAX: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #8883
A FRANK L. BENNARDO, P.E., INC. INNOVATION

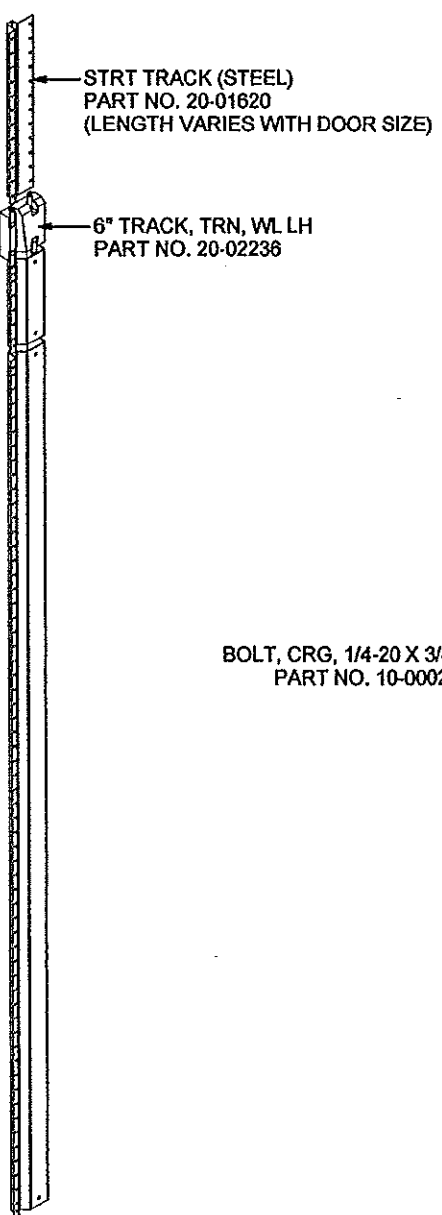
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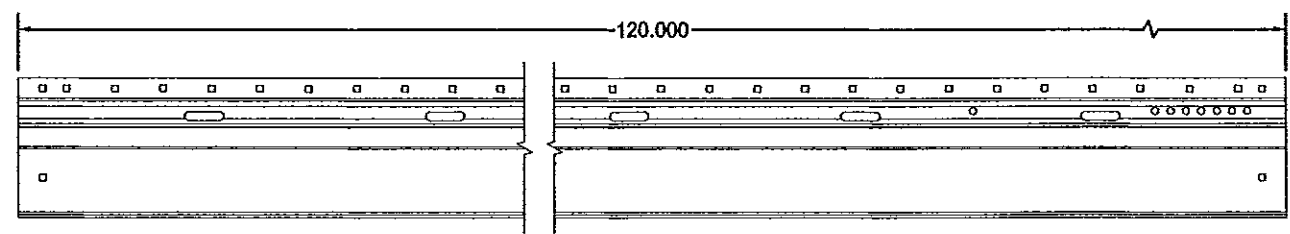
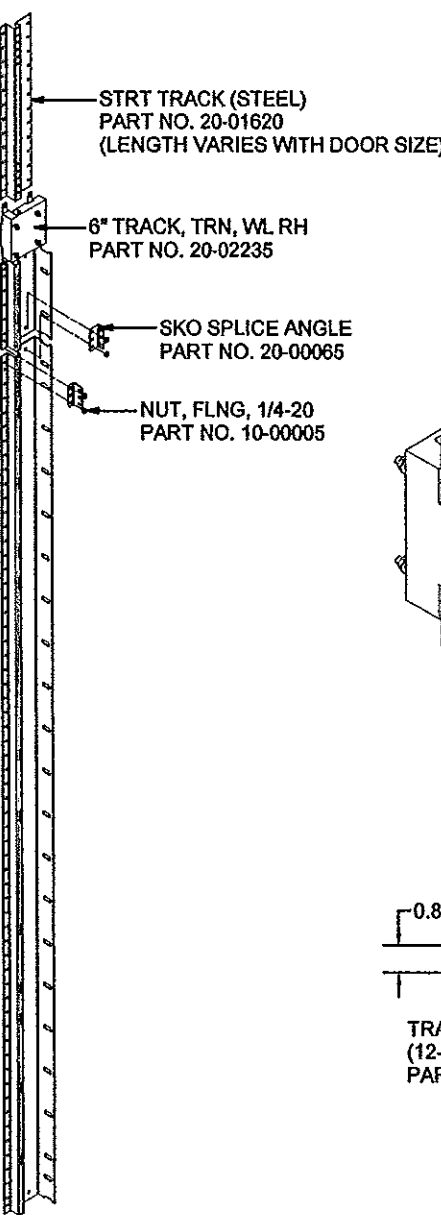
13-TKO-01
SCALE: 02
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Approved as complying with the
Florida Building Code
Date 08/14/2014
NOAH 13-0521.03
Miami Data Product Control
By *[Signature]*

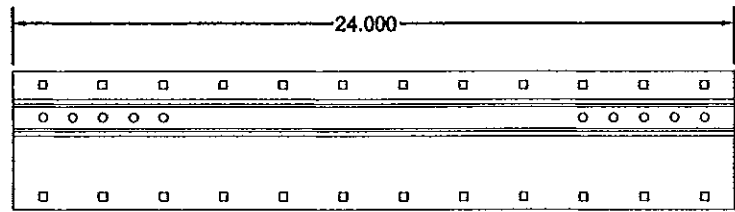
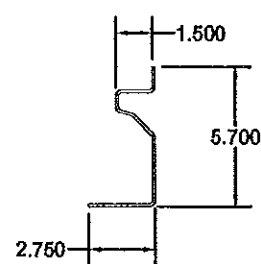
LEFT HAND SIDE TRACK



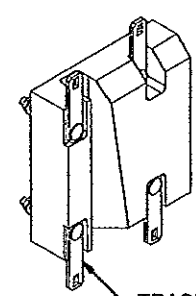
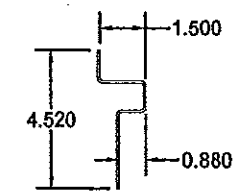
RIGHT HAND SIDE TRACK



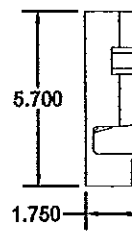
TRACK, WW, SKO EXT. 120\"/>



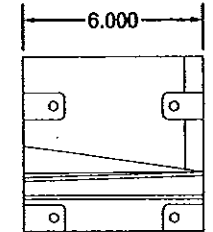
TRACK, WW, STRT EXT. 24\"/>



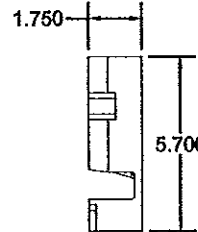
TRACK SPLICE STRAP
PNO. 20-00133



TRACK, TRN, WL LH
(UHMW**, BLACK)
PART NO. 20-02236



TRACK, TRN, WL RH
(UHMW**, BLACK)
PART NO. 20-02235



TRACK, WW, SPLICE STRAP
(10-GA STEEL HRPO*,
CLEAR ZINC)
PART NO. 20-00133



TRACK, WW, SPLICE ANGLE, SKO
(12-GA HRP&O* CLEAR ZINC)
PART NO. 20-00065

* HOT ROLLED STEEL, PICKLED & OILED, ASTM A1011 Fy=30ksi MIN
UHMW** (ULTRA-HIGH-MOLECULAR-WEIGHT POLYETHYLENE)

FULL HEIGHT IMPACT-A-TRACK (FH I-A-T) WW WL LOWER TRACK ASSEMBLY

FRANK L. BENNARD, P.E.
#00046549
05/20/2014
LICENSE
No. 46549
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

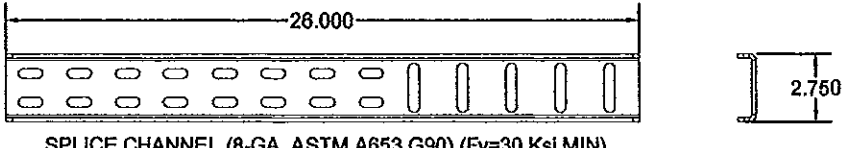
ENGINEERING
EXPRESS
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
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CERT OF AUTH #9885
A FRANK L. BENNARD, P.E., INC. INNOVATION

TKO DOORS, DIVISION OF 4FRONT ENGINEERED SOLUTIONS, INC.
N56 W24701 NORTH CORPORATE CIRCLE, SUITE A
SUSSEX, WI 53089
PHONE: 1-800-575-3366 FAX: (262) 246-1301
FIBERGLASS DOCK DOORS
WW WL OVERHEAD GARAGE DOOR
MIAMI-DADE NOTICE OF ACCEPTANCE

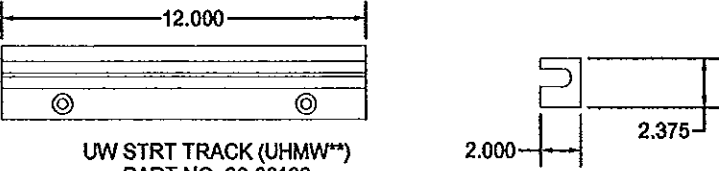
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REV PER COMMENTS	KL	FLB	05/18/14

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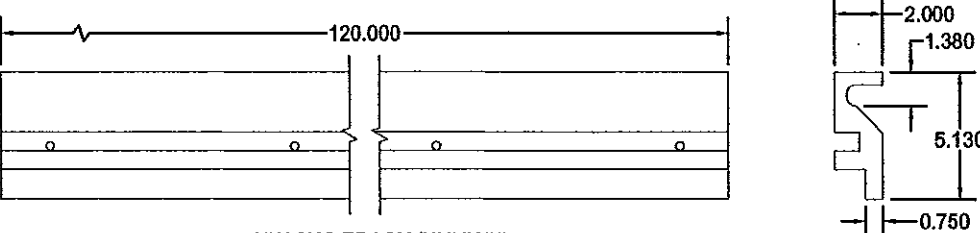
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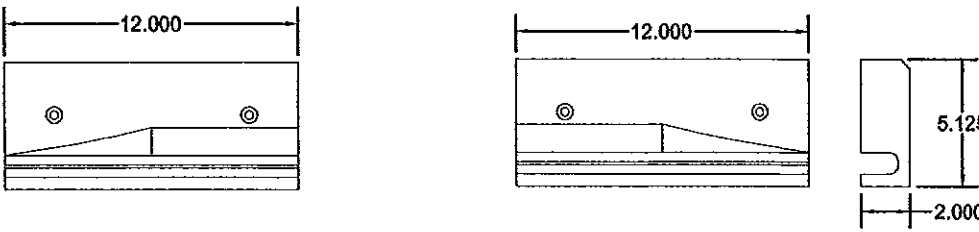
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PART NO. 20-00603
SPLICE CHANNEL STAINLESS STL (8-GA, TYPE 304 SS)(Fy=30 Ksi, MIN)
PART NO. 20-01083



UW STRT TRACK (UHMW**)
PART NO. 20-00183

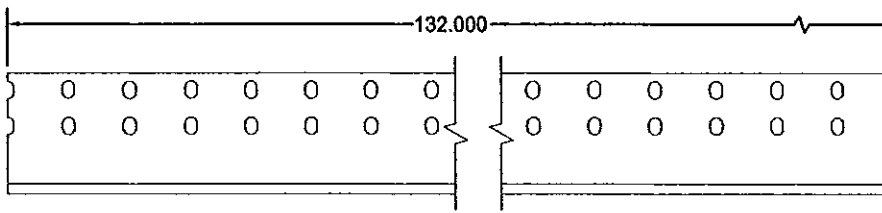


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PART NO. 20-02245



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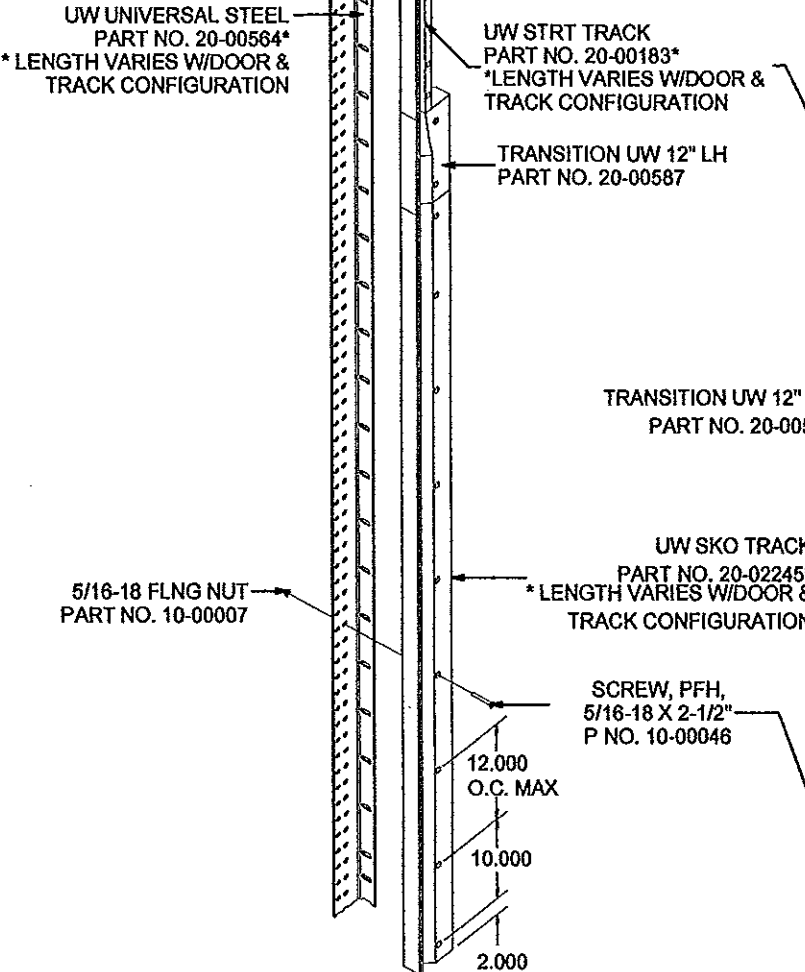
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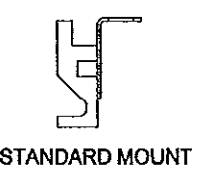
UW UNIVERSAL STEEL (8-GA, ASTM A653 G90)(Fy=30 Ksi, MIN)
PART NO. 20-00564
UW UNIVERSAL STAINLESS STL (8-GA, TYPE 304 SS)(Fy=30 Ksi, MIN)
PART NO. 20-01539

LEFT HAND SIDE TRACK

RIGHT HAND SIDE TRACK



REVERSE MOUNT



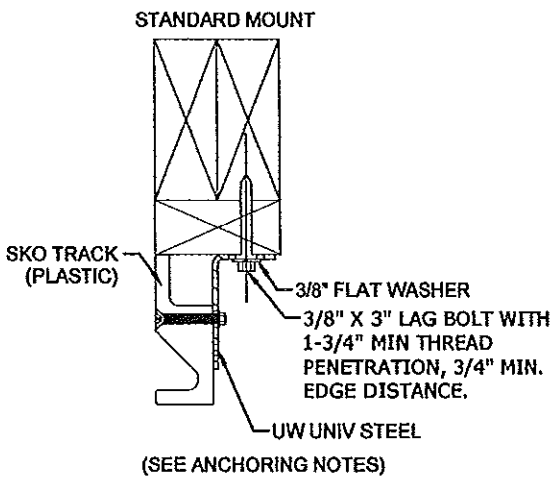
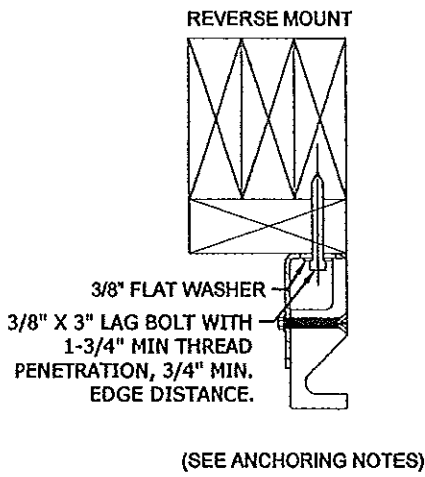
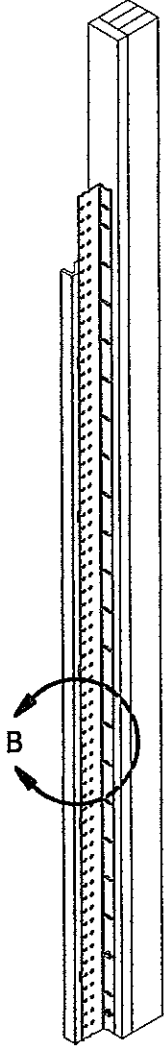
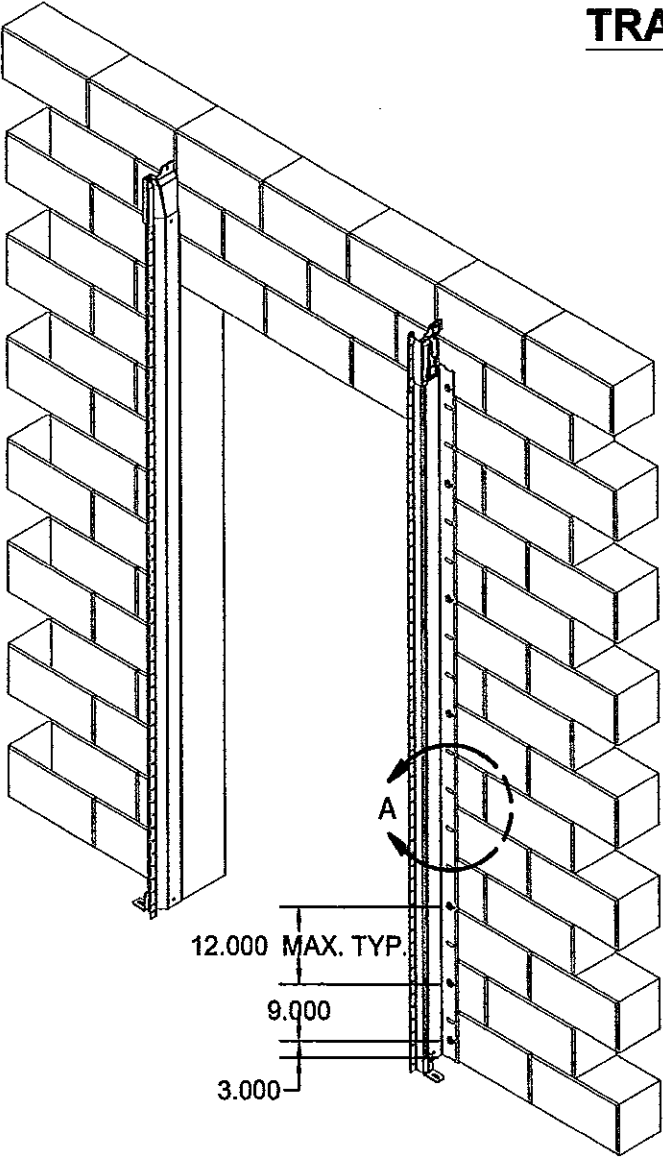
STANDARD MOUNT

UHMW** (ULTRA-HIGH-MOLECULAR-WEIGHT POLYETHYLENE)

Approved as complying with the
Florida Building Code
Date 06/14/2014
NOAH 13-0527.03
Miami Dade Product Control
By [Signature]

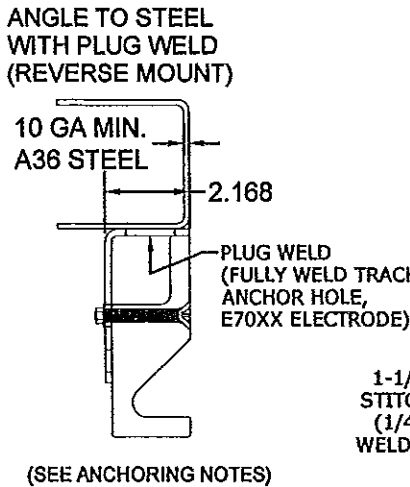
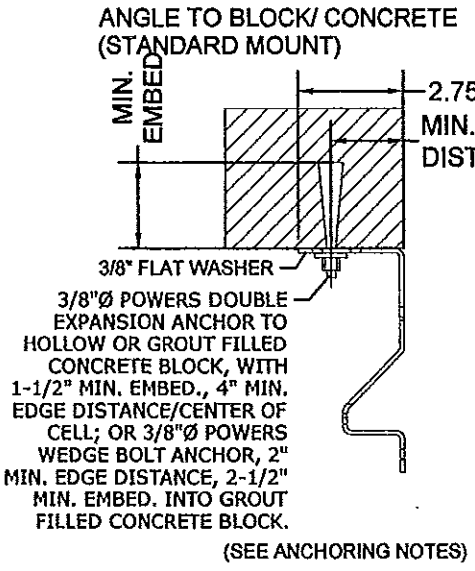
ANCHORING NOTES:

- 1. THIS SYSTEM SHALL BE ANCHORED WITH ANY OF THE ANCHORING METHODS SHOWN HEREIN, WITH A MINIMUM OF (2) ANCHORS LOCATED 3" AND 12" 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.

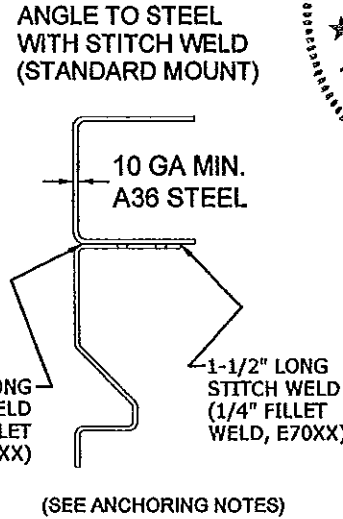
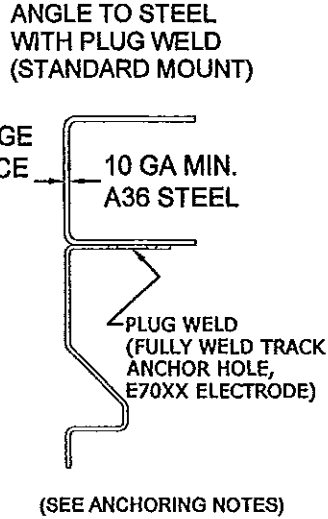


TEST MOUNTING ON WOOD

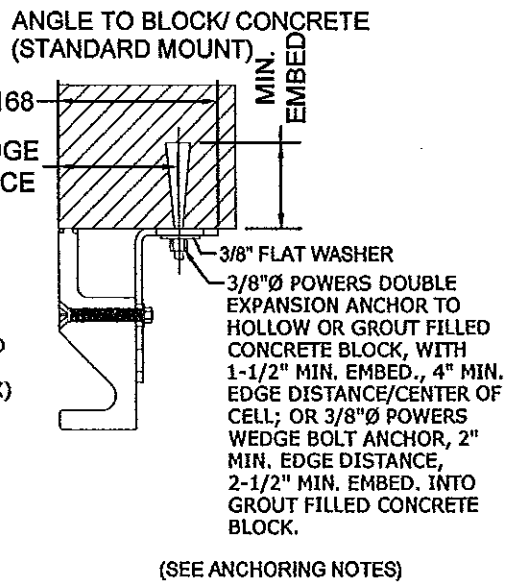
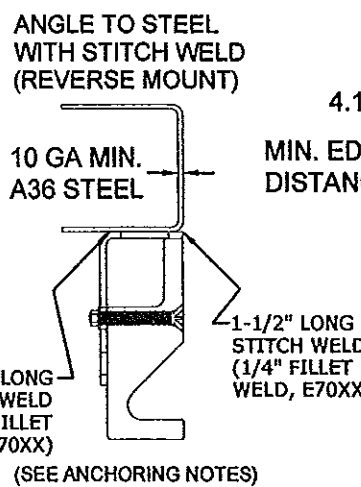
TRACK ANCHOR MOUNTING



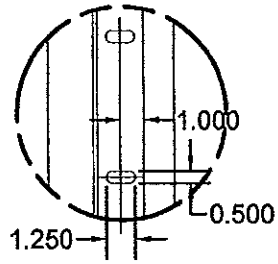
STEEL TRACK ANCHOR MOUNTING



FH I-A-T TRACK ANCHOR MOUNTING

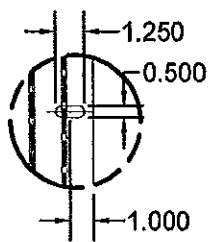


(FH I-A-T) STEEL ANGLE TRACK ANCHOR SLOT



DETAIL B (SEE ANCHORING NOTES)

STEEL ANGLE TRACK ANCHOR SLOT



DETAIL A (SEE ANCHORING NOTES)

Professional Engineer Seal for Frank L. Bennardo, P.E., License #13064, State of Florida, Commission Expires 05/20/2014.

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REMARKS	DATE	DRWN	CHKD
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REV. PER COMMENTS	05/16/14	KL	FLB

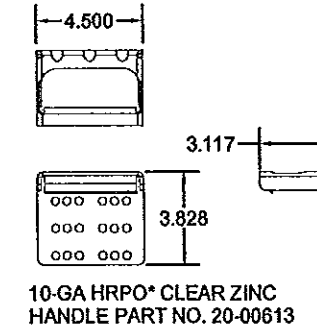
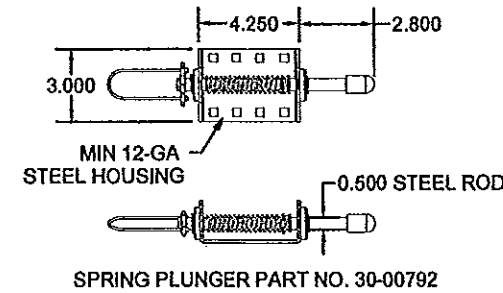
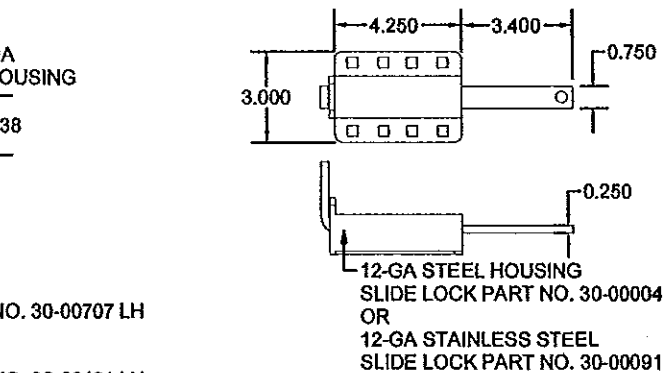
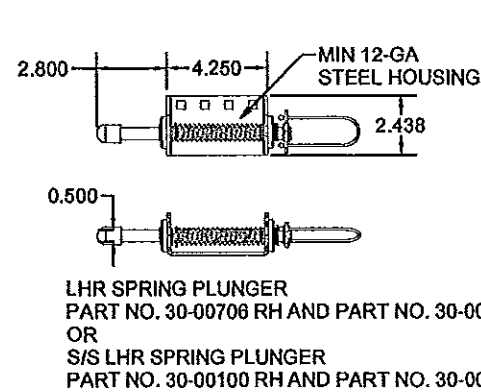
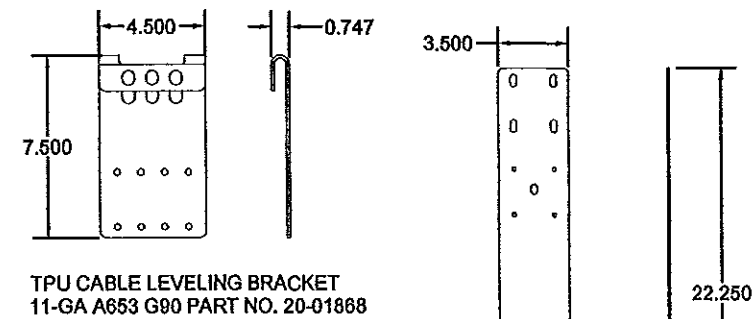
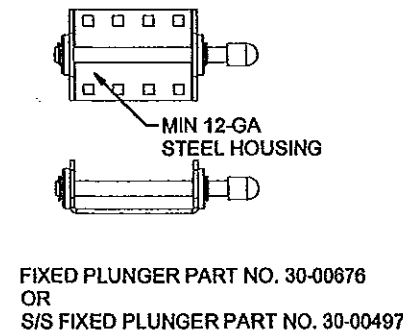
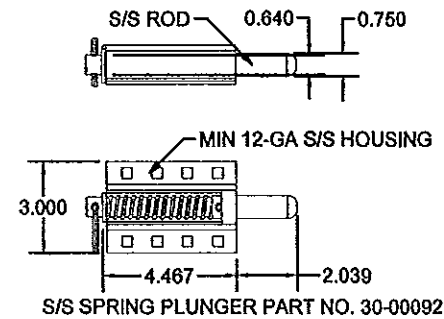
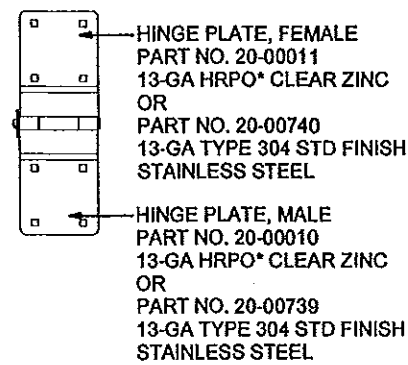
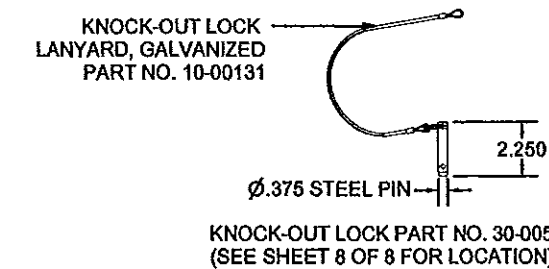
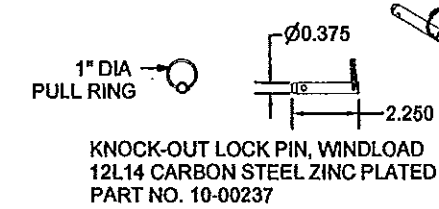
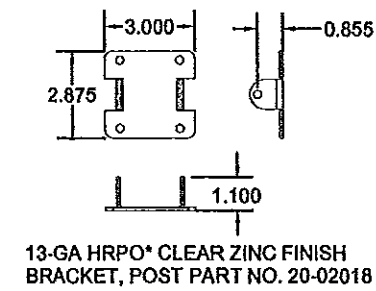
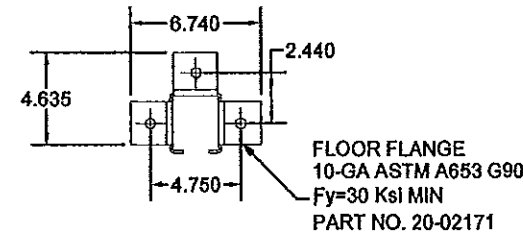
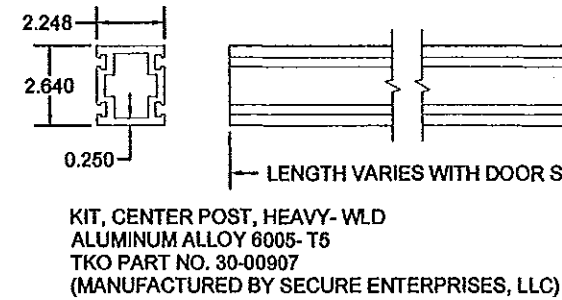
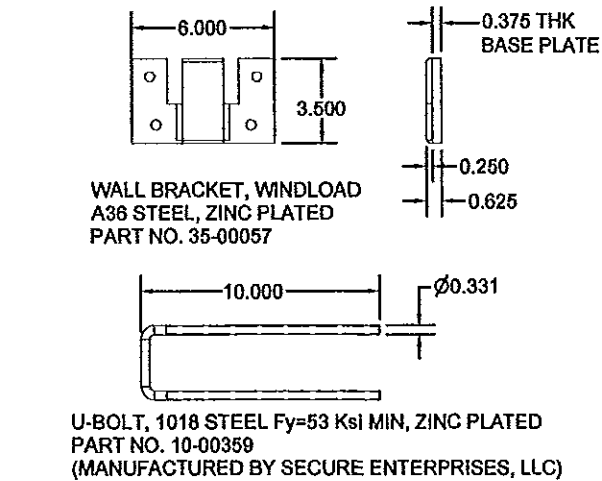
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D:\Dropbox\Dropbox\Work Stuff\TKO Dock Doors (TKO)\2013\13-TKO-01 Weller Weight Sectional Door (NOA) - 6.dwg
05/20/2014 - 8:23pm
Approved as complying with the Florida Building Code
Date 05/14/2014
NOA# 13-0521-03
Miami Dade Product Control
By [Signature]

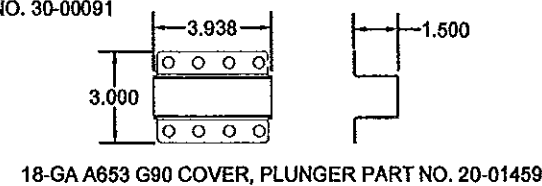
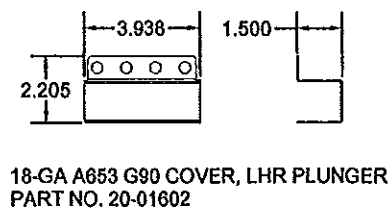
FASTENER NOTE:

1. FIXED PLUNGERS, SPRING PLUNGERS, HANDLES, AND TPU BRACKETS ARE MOUNTED TO THE PANEL USING:
(4) 1/4-20 X 3.00" CARRIAGE BOLTS AND (4) 1/4-20 FLANGE NUTS.
2. HINGE SETS ARE MOUNTED TO THE PANELS USING:
(4) 1/4-20 X 3.00" CARRIAGE BOLTS AND 1/4-20 FLANGE NUTS.
3. PANEL PLATES ARE MOUNTED TO THE PANELS USING:
(12) 1/4-20 X 3.00" CARRIAGE BOLTS AND 1/4-20 FLANGE NUTS.
4. SLIDE LOCKS ARE MOUNTED TO THE PANELS USING:
(4) #14 X 3/4" TEK SCREWS.

WWW WL PANEL HARDWARE

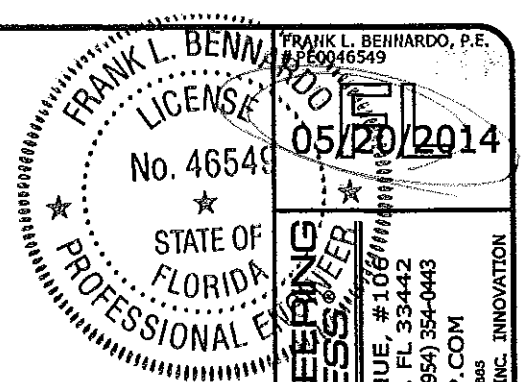


PANEL PLATE
12-GA A653 G90 Fy=36 KSI MIN
PART NO. 20-00526
OR
12-GA TYPE 304 STD FINISH
STAINLESS STEEL Fy=30KSI
MIN
PART NO. 20-00743



*HRPO- HOT ROLLED, PICKLED & OILED STEEL
ASTM A1011 Fy=30 KSI MIN

Approved as complying with the
Florida Building Code
Date 05/14/2014
NOA# 13-0521-03
Miami Date Product Control
By [Signature]



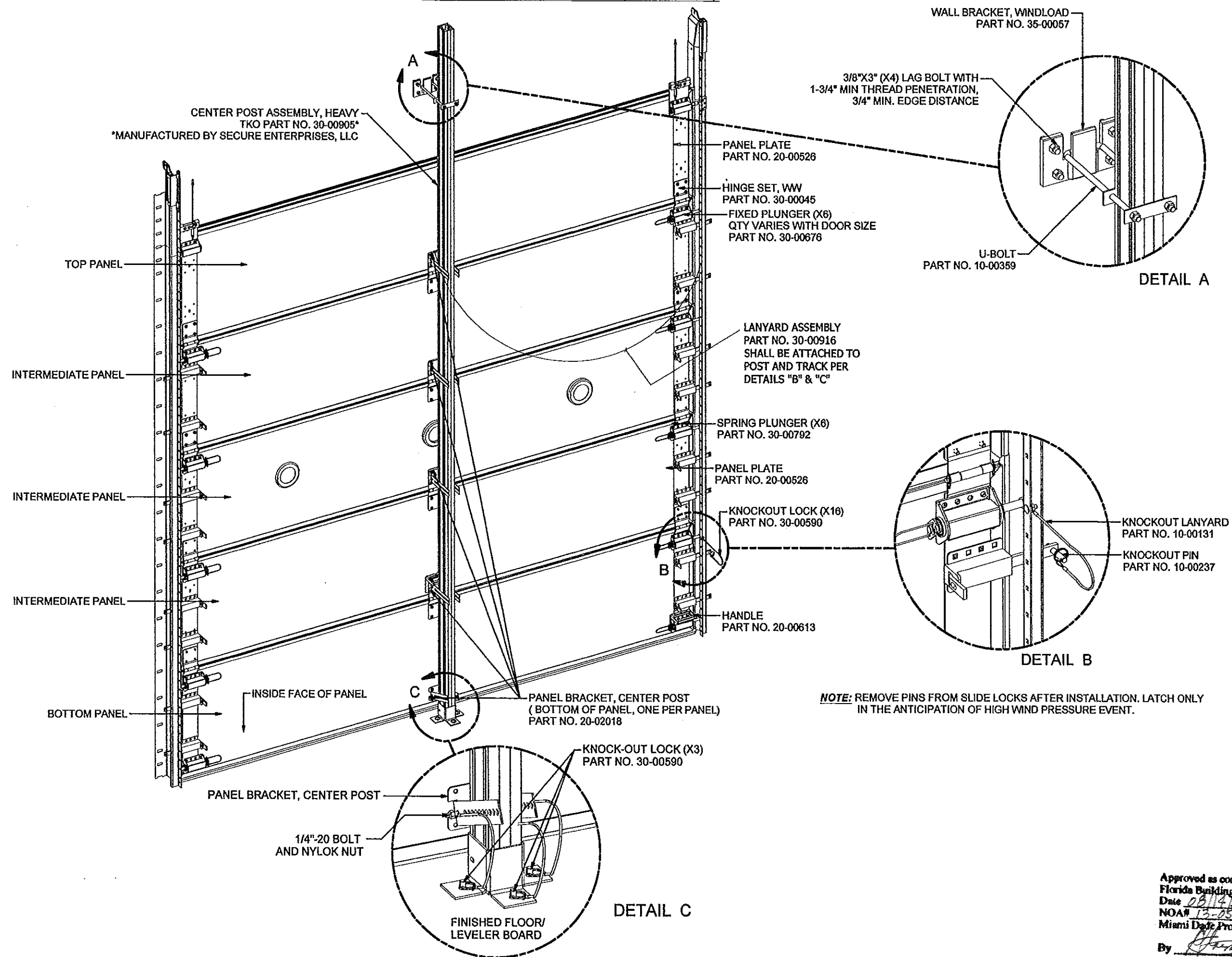
ENGINEERING EXPRESS, LLC
160 SW 12th AVENUE, #106
DEERFIELD BEACH, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGEXP.COM
CERT OF AUTH #0045
A FRANK L. BENARDO, P.E., INC. INNOVATION

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REMARKS	INT	ISSUE	REV. PER COMMENTS
	KL	KL	

13-TKO-01
SCALE: 1/2"
PAGE DESCRIPTION:

WW WL PANEL HARDWARE (CONTINUED)



FRANK L. BENNARDI, P.E.
Professional Engineer
No. 46549
05/20/2014
ENGINEERING EXPRESS
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Deerfield Beach, FL 33442
Ph: (954) 354-0660 Fax: (954) 354-0443
WWW.ENGINEERINGEXPRESS.COM
CERT. OF AUTH. #0005
A. FRANK L. BENNARDI, P.E., INC. INNOVATION

TKO DOORS, DIVISION OF 4FRONT ENGINEERED SOLUTIONS, INC.
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INIT ISSUE	KL	FLB	05/06/13
REV PER COMMENTS	KL	FLB	05/15/14

13-TKO-01
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Florida Building Code
Date 06/14/2014
NOA# 13-0521.63
Miami Dade Product Control
By [Signature]