



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

Tri-Built Materials Group, LLC
P.O. Box 70
Rutherford, NJ 07070

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: Hurricane Zone Series TBG and TBA Steel and Aluminum Roof Hatch

APPROVAL DOCUMENT: Drawing No. **Door Hatch Assembly**, titled "Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb, Single and Two Point Latch", sheets 1 through 16 of 16, dated 06/22/2017, prepared by Nystrom Incorporated, signed and sealed by Wayne K. Helmila, 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: 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** NOA #17-0703.04 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Signature
03/08/2018

NOA No. 18-0110.06
Expiration Date: May 25, 2022
Approval Date: March 15, 2018
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

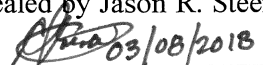
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS “Submitted under NOA #17-0703.04”

1. Drawing No. **Door Hatch Assembly**, titled “Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb, Single and Two Point Latch”, sheets 1 through 16 of 16, dated 06/22/2017, prepared by Nystrom Incorporated, signed and sealed by Wayne K. Helmila, P.E.

B. TESTS “Submitted under NOA #17-0207.13”

1. Test report 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 Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Model RHHA48X48S1T Aluminum Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP023828P-A4848T.2A Rev2**, dated 10/18/2016, signed and sealed by Jason R. Steen, P.E.
2. Test report 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 Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Model RHHA48X48S1T Galvaneal A653 Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP023828P-G4848T.3A Rev2**, dated 10/18/2016, signed and sealed by Jason R. Steen, P.E.
3. Test report 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 Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Model RHHA30X96S1T Galvaneal A653 Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP023828P-G3096T.1A Rev2**, dated 10/18/2016, signed and sealed by Jason R. Steen, P.E.
4. Test report 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 Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of Model RHHA30X96S1T Aluminum Roof Hatch/Single Door, prepared by Element Materials Technology, Test Report No. **ESP023828P-A3096T.4A Rev2**, dated 10/18/2016, signed and sealed by Jason R. Steen, P.E.



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 18-0110.06

Expiration Date: May 25, 2022

Approval Date: March 15, 2018

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS “Submitted under NOA #17-0207.13”

1. Anchoring calculations prepared by Rice Engineering, dated 12/29/2016, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

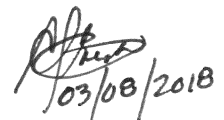
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS “Submitted under NOA #17-0703.04”

1. Notice of Acceptance issued to Firestone Building Products Company, LLC for their Firestone Polyisocyanurate Foam Insulation, approved on 05/09/2013 and expiring on 06/05/2018.
2. UL Certification #BRYX.R13184 issued to Diversifoam Products Inc. for their EPS foam plastic insulation.

F. STATEMENTS “Submitted under NOA #17-0207.13”

1. Statement letter of code conformance to 5th edition (2014) FBC issued by Rice Engineering, dated 01/18/2017, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter of no financial interest issued by Rice Engineering, dated 01/18/2017, signed and sealed by Wayne K. Helmila, P.E.
3. Private label agreement dated 02/01/2017.



Carlos M. Utrera, P.E.
Product Control Examiner
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2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

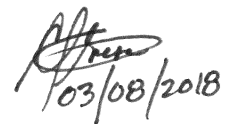
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to **FBC 6th Edition (2017)**, dated December 19, 2017, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.

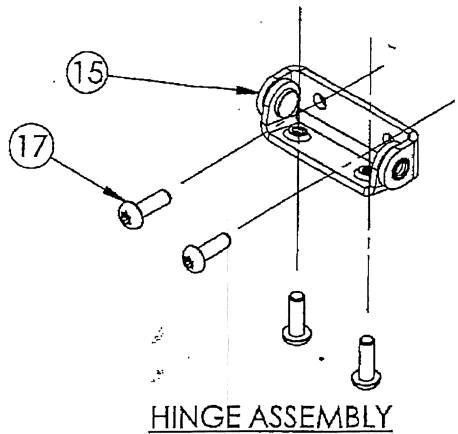
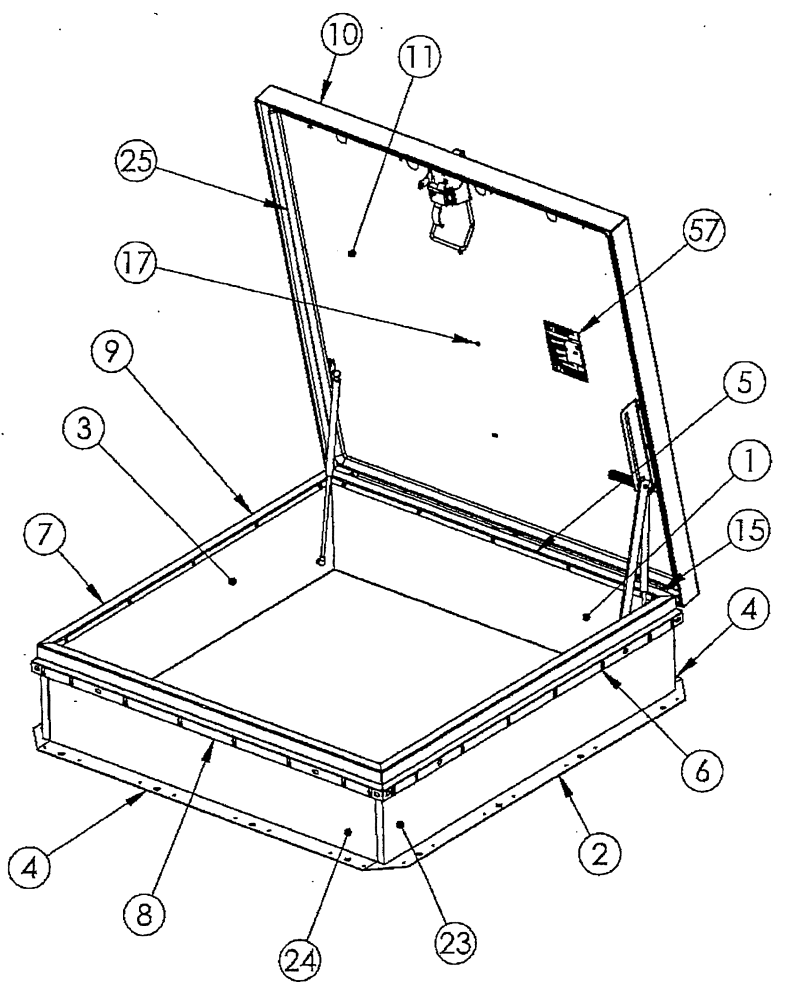


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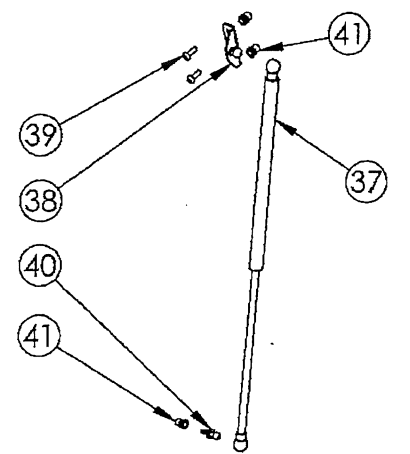
8 7 6 5 4 3 2 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/10/16	IMT
B	ADDED HINGE DETAIL PG. 1; ADDED DETAIL VIEW TITLES PG. 1; UPDATED MAT'L, PG. 6,7,8; NOTE 7 PG. 1 TO READ 'ALUMINUM DESIGN MANUAL' ACRONYMS PG. 2; ADDED MODEL# NOTE PG.2	3/17/17	IMT

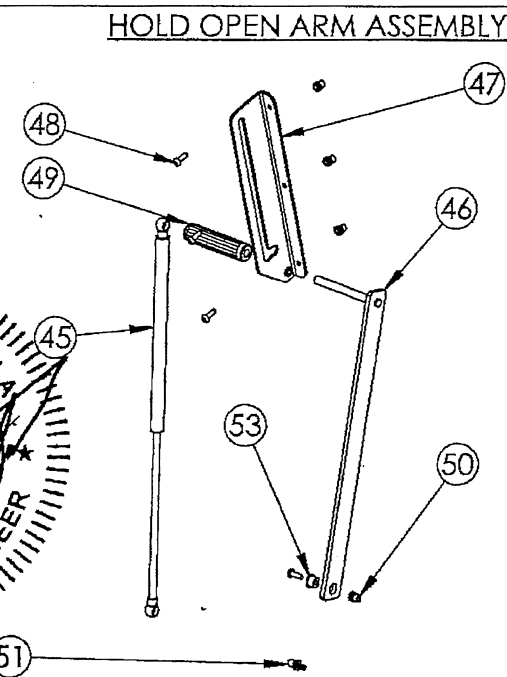
D
C
B
A



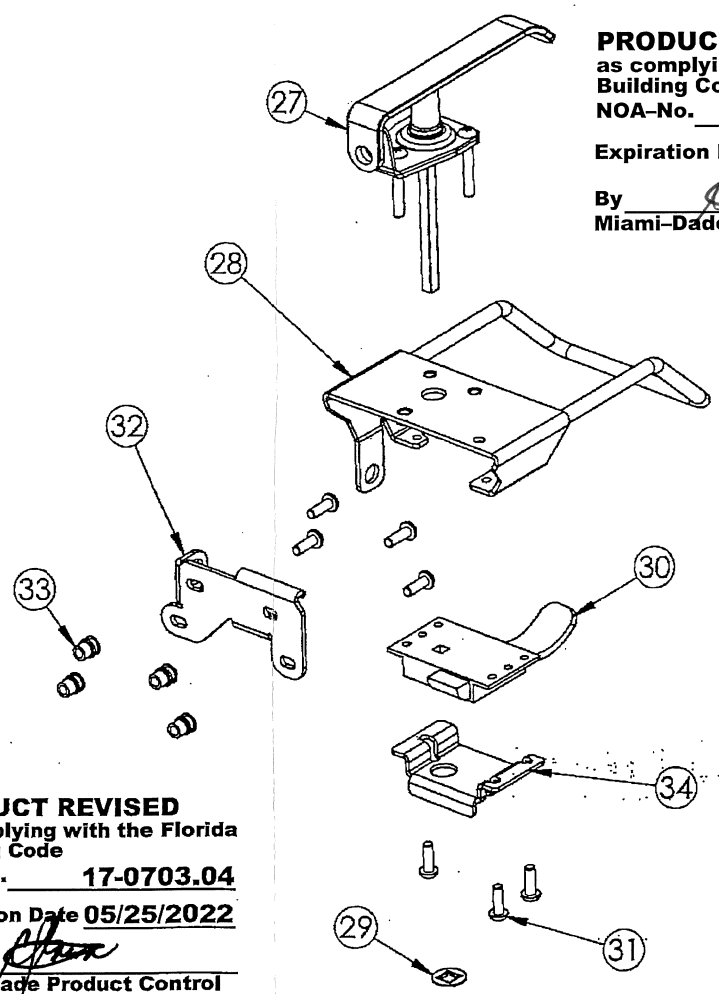
HINGE ASSEMBLY



GAS SPRING ASSEMBLY



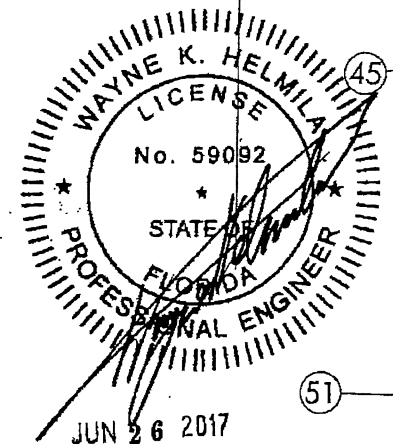
HOLD OPEN ARM ASSEMBLY



SINGLE POINT LATCH ASSEMBLY

PRODUCT REVISED
as complying with the Florida
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Expiration Date **05/25/2022**
By *[Signature]*
Miami-Dade Product Control

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as complying with the Florida
Building Code
NOA-No. **17-0703.04**
Expiration Date **05/25/2022**
By *[Signature]*
Miami-Dade Product Control



Tri-Built

TITLE:		Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb Single Point Latch		
NAME	DATE	SIZE	DWG. NO.	REV
DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED	IMT	6/22/2017	WEIGHT: Weight	SHEET 1 OF 16

- NOTES:
- 1) THE DESIGN CONTAINED HEREIN IS DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE: TEST PROTOCOL TAS-201, TAS 202, TAS-203
 - 2) THE SHORT TERM LOAD FACTOR HAS NOT BEEN USED.
 - 3) PRODUCT APPROVED UP TO A INSIDE AREA OF 16.00 SF (WIDTH X LENGTH ≤ 16.00 SF).
 - 4) ATTACHMENT TO STRUCTURE SHALL MEET THE FOLLOWING ALLOWABLE LOAD CONDITIONS. THE VALUES PROVIDED ASSUME THE ATTACHMENT DIRECTLY TO THE STRUCTURAL ELEMENTS WITHOUT SPACE. ALLOWABLE MINIMUM LOAD VALUES PULLOUT: 1,120 LBS. SHEAR: 324 LBS.
 - 5) USE THE FASTENER MANUFACTURES RECOMMENDED SAFETY FACTORS. IF DIFFERENT CONDITIONS EXIST, CONTACT NYSTROM OR A FLORIDA LICENSED ENGINEER FOR CONSULTATION.
 - 6) ALL LABELS TO BE LOCATED IN APPROXIMATE LOCATIONS AS SHOWN.
 - 7) PROTECTION BETWEEN ALUMINUM & DISSIMILAR MATERIALS MUST BE PROVIDED PER ALUMINUM DESIGN MANUAL

DESIGN PRESSURE RATING	IMPACT RATING	WATER FILTRATION
+/- 70 PSF	LARGE MISSILE IMPACT	100%DP WITH ZERO WATER FILTRATION

8 7 6 5 4 3 2 1

	8		7		6		5		4		3		2		1
	ITEM	QTY.	PART NUMBER	DESCRIPTION					ITEM	QTY	PART NUMBER	DESCRIPTION			
			CURB ASSEMBLY								GAS SPRING ASSEMBLY				
	1	1	CurbHinge	CURB - HINGE SIDE					37	1	29880	GAS SPRING, 56 LBF			
	2	1	CurbBottom	CURB - BOTTOM SIDE					37	1	29881	GAS SPRING, 112 LBF			
	3	1	CurbTop	CURB - TOP SIDE					38	1	29878	BRKT, BALL STUD, SPG, (ZPS)			
	4	1	CurbLatch	CURB - LATCH SIDE					39	2	28544	BUTTON HD TORX SCREW, 1/4 x .75, 3 PT, (ZPS)			
			CAP FLASH ASSEMBLY						40	1	29879	BALL STUD, 10MM, 1/4-20, (ZPS)			
	5	1	CflshHinge	CAP FLASH - HINGE SIDE					41	3	4359	RIVNUT, 1/4-20, .027-.165 GRIP (ALUM)			
	6	1	CflshBtm	CAP FLASH - BOTTOM SIDE							LIFTING/HINGE SUPPORT ASSEMBLY				
	7	1	CflshTop	CAP FLASH - TOP SIDE					45	1	29880	GAS SPRING, 56 LBF			
	8	1	CflshLatch	CAP FLASH - LATCH SIDE					45	1	29881	GAS SPRING, 112 LBF			
	9	22	28544	BUTTON HD TORX SCREW, 1/4 x .75, 3 PT, (ZPS)					46	1	29863	ARM, HOA, STL, (ZPS)			
			COVER ASSEMBLY						47	1	29890	BRKT, HOA/SPG, (ZPS)			
	10	1	Cover	COVER					48	4	28544	BUTTON HD TORX SCREW, 1/4 x .75, 3 PT, (ZPS)			
	11	1	Liner	COVER LINER					49	1	2934	HDL, RED GRIP, (VINYL)			
	12	2	Stiffener Side	STIFFENER - TOP/BOTTOM					50	5	4359	RIVNUT, 1/4-20, .027-.165 GRIP (ALUM)			
	13	1	Stiffer Latch	STIFFENER - LATCH SIDE					51	1	29879	BALL STUD, 10MM, 1/4-20, (ZPS)			
	14	1	Stiffener Mid	STIFFENER - MIDDLE					53	1	29895	BEARING, HOA, (ZPS)			
	15	3	28719	ASSY, HINGE, (ZPS)							LABELS & MISC.				
	17	20	28544	BUTTON HD TORX SCREW, 1/4 x .75, 3 PT, (ZPS)					56	1	29905	LABEL, 4" x 6", MODEL NUMBER			
	18	9	4359	RIVNUT, 1/4-20, .027-.165 GRIP					57	1	29906	LABEL, HANDLE RELEASE			
	19	1	29898	BRKT, SUPPORT, HINGE, (ZPS)					58	1	29907	LABEL, INSTALLATION, 5X7,			
			INSULATION AND GASKET						59	-	-	2" FIBERGLASS TAPE			
	23	2	RHInsulationTopBottom	INSULATION, 1" POLY ISO R-6					60	-	28096	SILICONE			
	24	2	RHInsulationLatchHinge	INSULATION, 1" POLY ISO R-6											
	25	1	RHGasketCover	GASKET, RH, (EPDM), 1.125" x 0.655" CLOSED CELL FOAM											
			LATCH ASSEMBLY - SINGLE POINT												
	27	1	29860	HDL, PADLOCKING, STL, (ZPS)											
	28	1	29870	HANDLE											
	29	1	29903	NUT, PUSH, TINNERMAN, 5/16 SQ, (BLK PHOS)											
	30	1	1297	LATCH, SLAM, (ZPS)											
	31	7	28544	BUTTON HD TORX SCREW, 1/4 x .75, 3 PT, (ZPS)											
	32	1	30336	BRKT, LATCH CATCH											
	33	4	4359	RIVNUT, 1/4-20, .027-.165 GRIP (ALUM)											
	34	1	30337	BRKT, LATCH, SUPPORT											

- ▶ MATERIAL THICKNESS TO BE DIFFERENT ON STEEL AND ALUMINUM MODELS
- △ QTY VARIES PER HATCH SIZE
- ③ REQUIRED ON ALUMINUM VERNONS
- ④ NOT REQUIRED ON ALUMINUM VERNONS
- ⑤ NOT SHOWN ON ASSEMBLY

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0110.06**
Expiration Date **05/25/2022**
By *[Signature]*
Miami-Dade Product Control

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STANDARD MODEL NUMBERS:
TBG36X30S1T TBA36X30S1T
TBG36X36S1T TBA36X36S1T
TBG30X54S1T TBA30X54S1T
TBG48X48S1T TBA48X48S1T

CUSTOM MODEL NUMBERS:
TBA W X L S1T (WHERE W = 18" - 48" AND L = 18" - 60")*
TBG W X L S1T (WHERE W = 18" - 48" AND L = 18" - 60")*
*AREA NOT TO EXCEED 16 SQ. FT.

NOTE:
NUMBER OF ANCHORS RANGES BETWEEN 2
AND 4 PER SPACING DIMENSIONS ON SHEET 4.

Tri-Built

NAME

DATE

SIZE

DWG. NO.

DRAWN

DKL

10/10/2016

B

RELEASED

IMT

6/22/2017

WEIGHT: Weight

REV

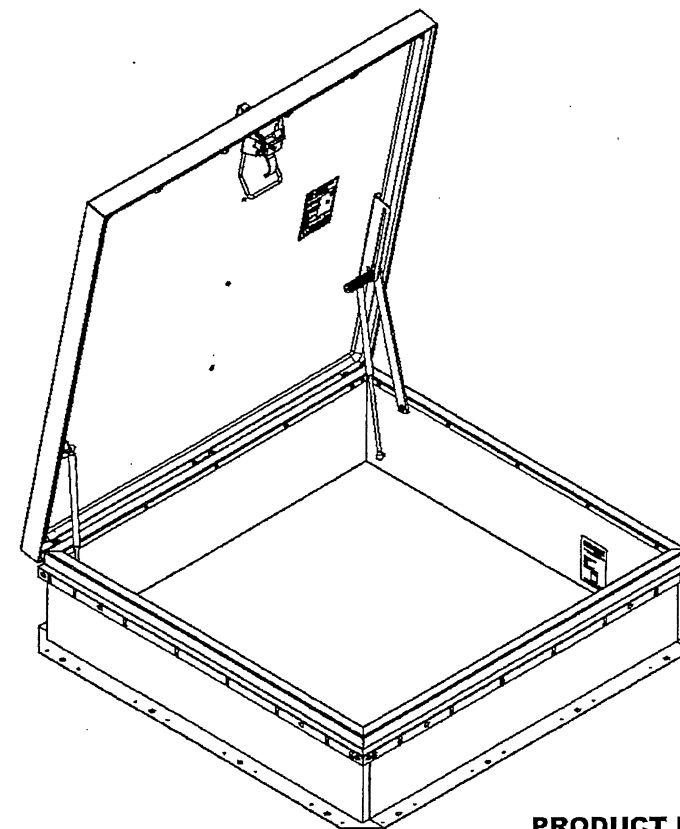
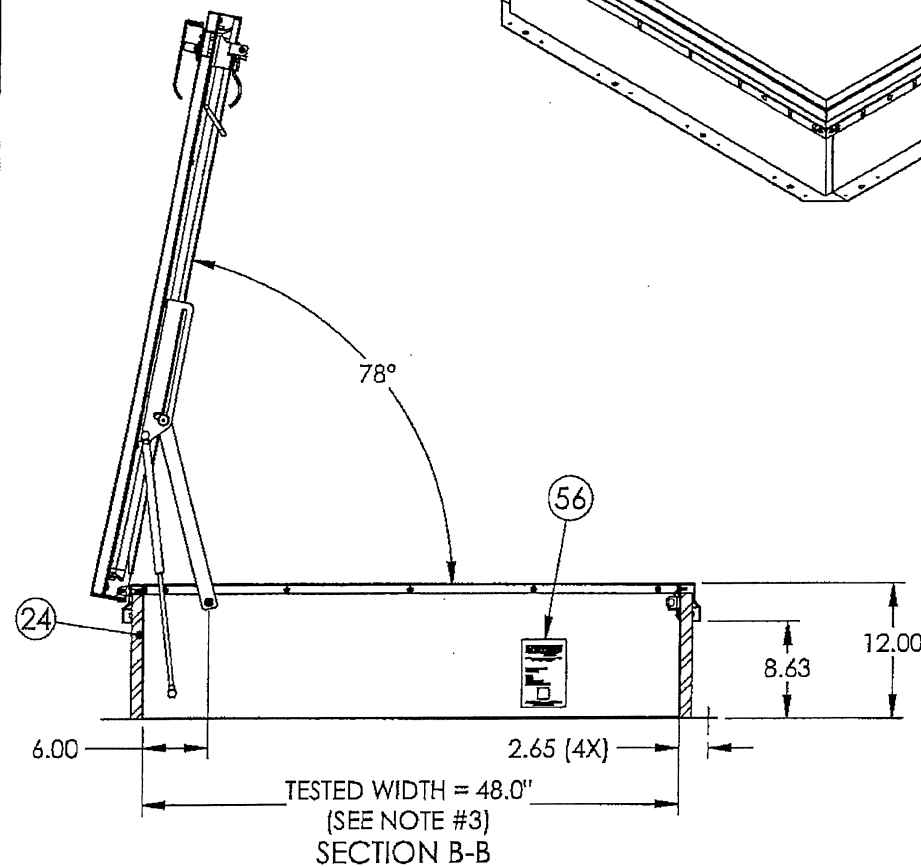
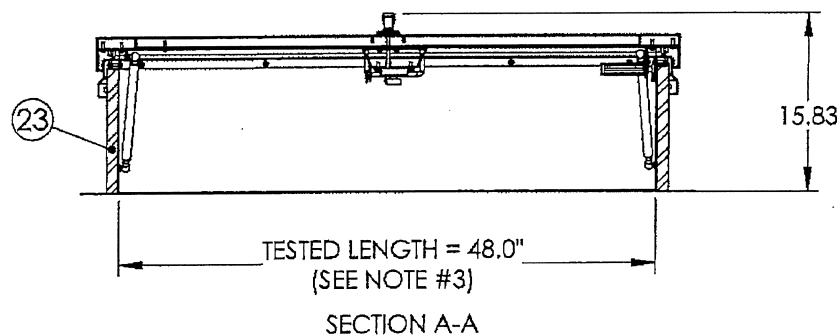
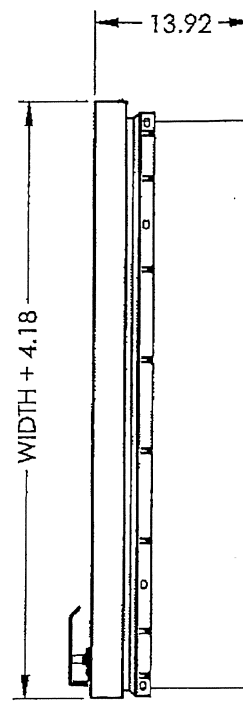
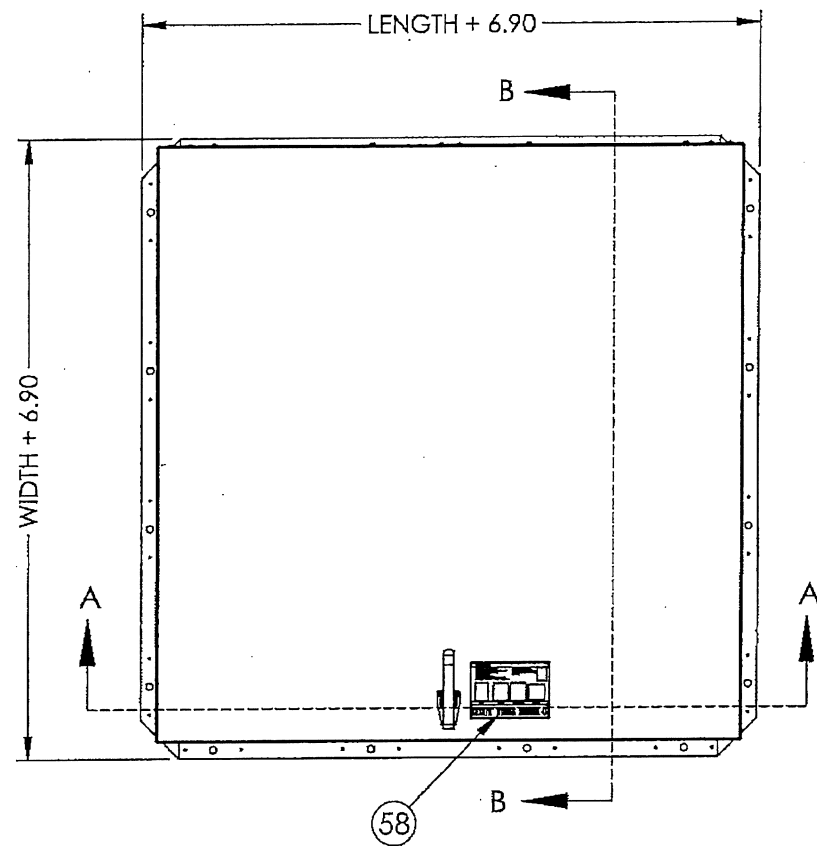
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TITLE:
Roof Hatch, Hurricane Resistant
Single Door, Single Point Latch

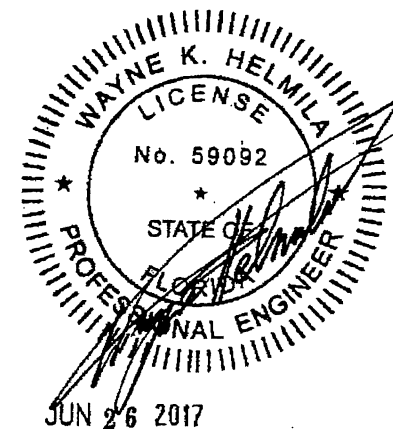
JUN 26 2017

Wayne K. Helmila
LICENSE
No. 59092
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SHEET 2 OF 16



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as complying with the Florida
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Tri-Built			TITLE: Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb Single Point Latch		
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED	IMT	6/22/2017	WEIGHT: Weight		SHEET 3 OF 16

8

7

6

5

4

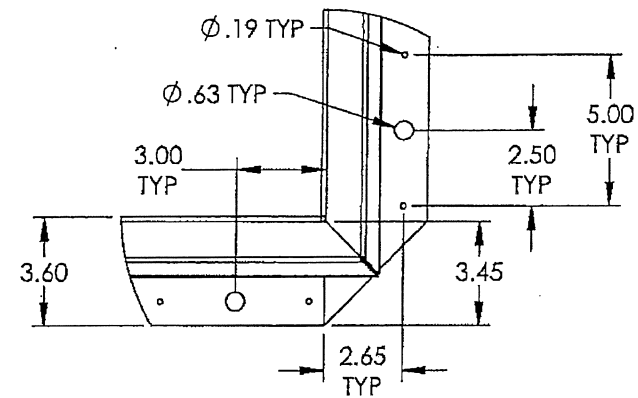
3

2

1

EQ SPACED
VARIES FROM
8" TO 12"

(16) ANCHORS

EQ SPACED
VARIES FROM
8" TO 12"DETAIL K
SCALE 1 : 61/4"-20 x 3/8"
Self Tapping
Cap Screws1/4"-20 x 3/8"
Self Tapping
Cap Screws1/4"-20 x 3/8"
Self Tapping
Cap Screws1/4"-20 x 3/8"
Self Tapping
Cap Screws

Use 3/8" DIA. 316 Lag Bolts (Fy=65ksi);
Southern Pine (G=0.55MIN) - Predrill as
Recommended;
Penetration = 1.75";
MIN OF 1.50" Of Threads to be Engaged
into Wood;
Spacing: 3.00" MIN;
Edge Distance: 1.50" MIN;
End Distance: 6.00" MIN

5/16" Dia. S.S. Fasteners MIN.;
Self-Drilling; Self-Tapping or Thru Bolts;
300 Series S.S., Cond. CW, Fy = 65ksi;
0.105 Thread Engagement MIN.

3/8" Dia. S.S. Kwik Bolt TZ Wedge Anchor;
316 Stainless Steel;
Eff. Embedment Depth: 2" Min.;
Install Depth: 2.313 Min.;
Edge Distance: 6" Min.;
Spacing: 4 1/2" Min.;
Min. Slab Thickness: 4" - Normal Wt., Cracked
Concrete Compressive Strength: f'c = 3,000 psi;
Install Per Manufacturer's Instructions

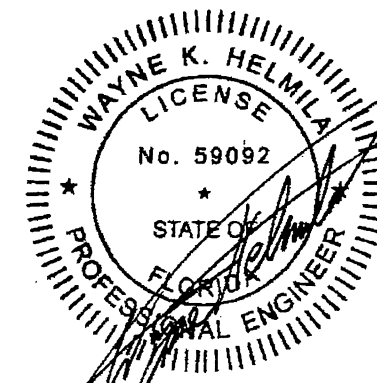
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STEEL
CURB
(Fy = 33Ksi; MIN.)
(THICKNESS = 0.105" MIN.)

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ANCHORING DETAIL
OPTIONSCURB
DETAILWOOD
CURB
WOOD S.G.=0.55 MINCONCRETE
CURB
3000 PSI MIN

NOTE: Anchorage Designed For
70 psf Lateral And 70 psf Uplift
(Applied Independently)

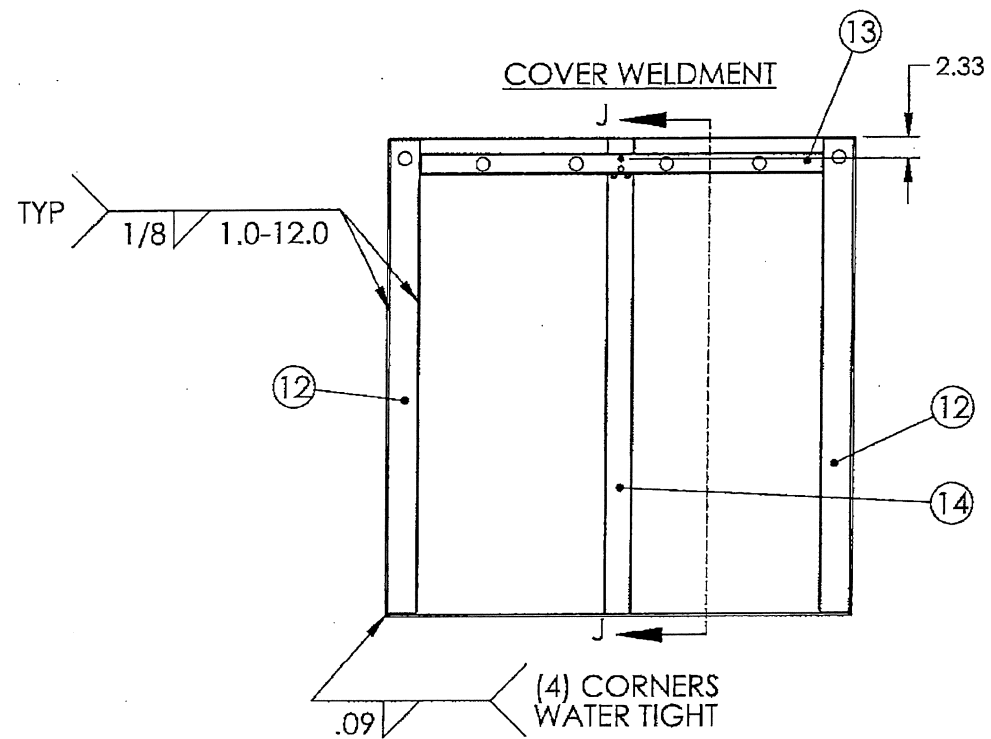


Tri-Built

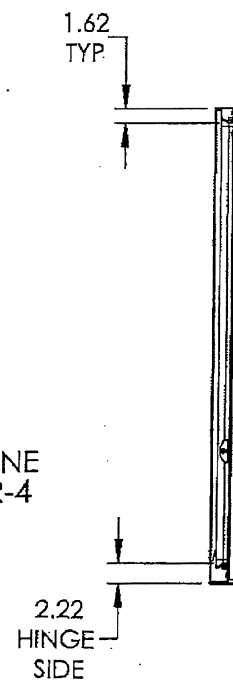
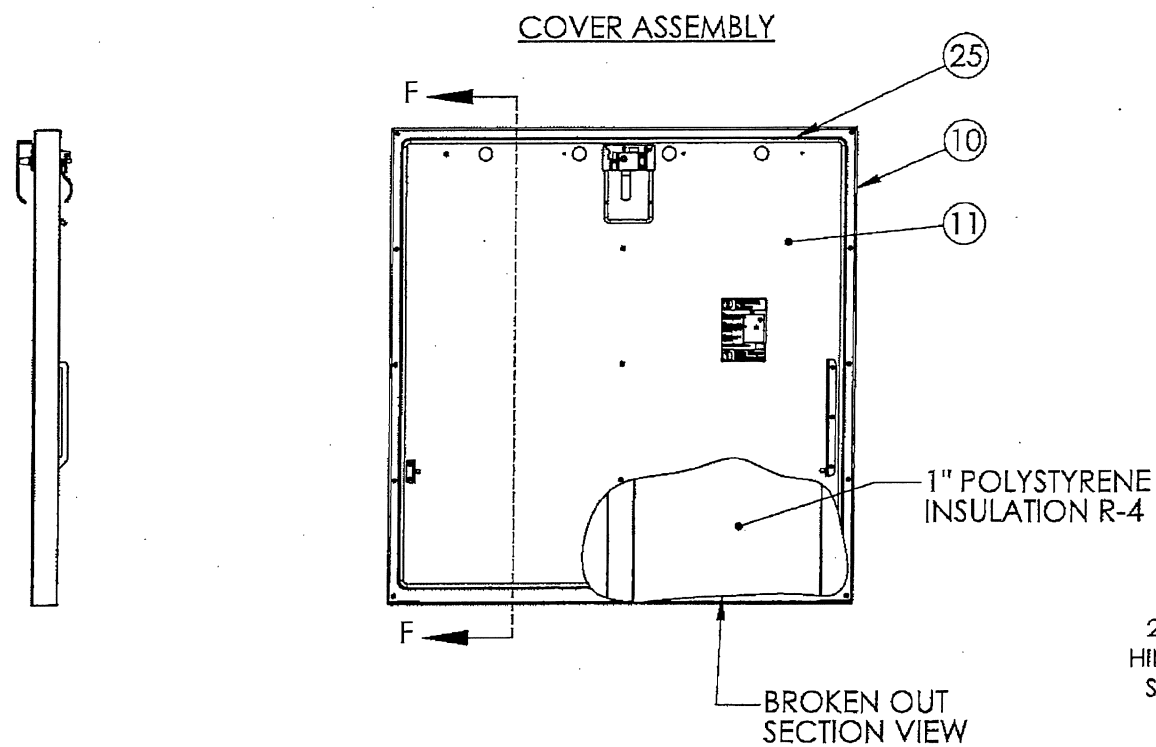
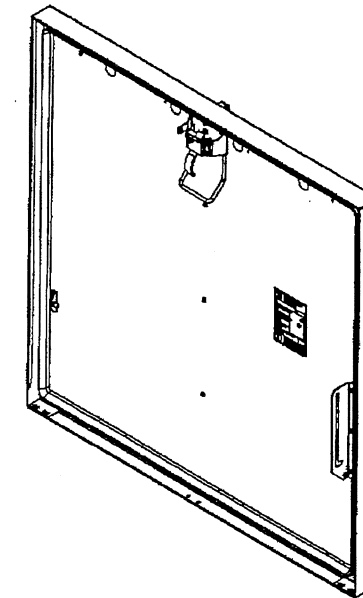
JUN 26 2017
TITLE:

Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Single Point Latch

	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED	IMT	6/22/2017	WEIGHT: Weight	SHEET 4 OF 16	



SECTION J-J



SECTION F-F

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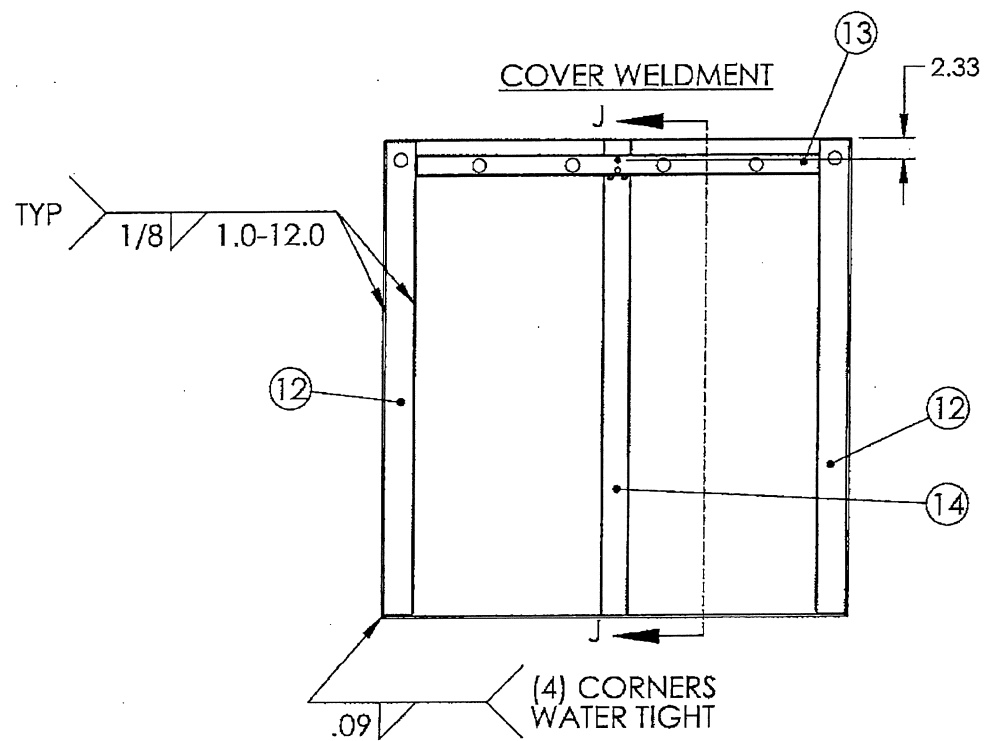
By *[Signature]*
Miami-Dade Product Control



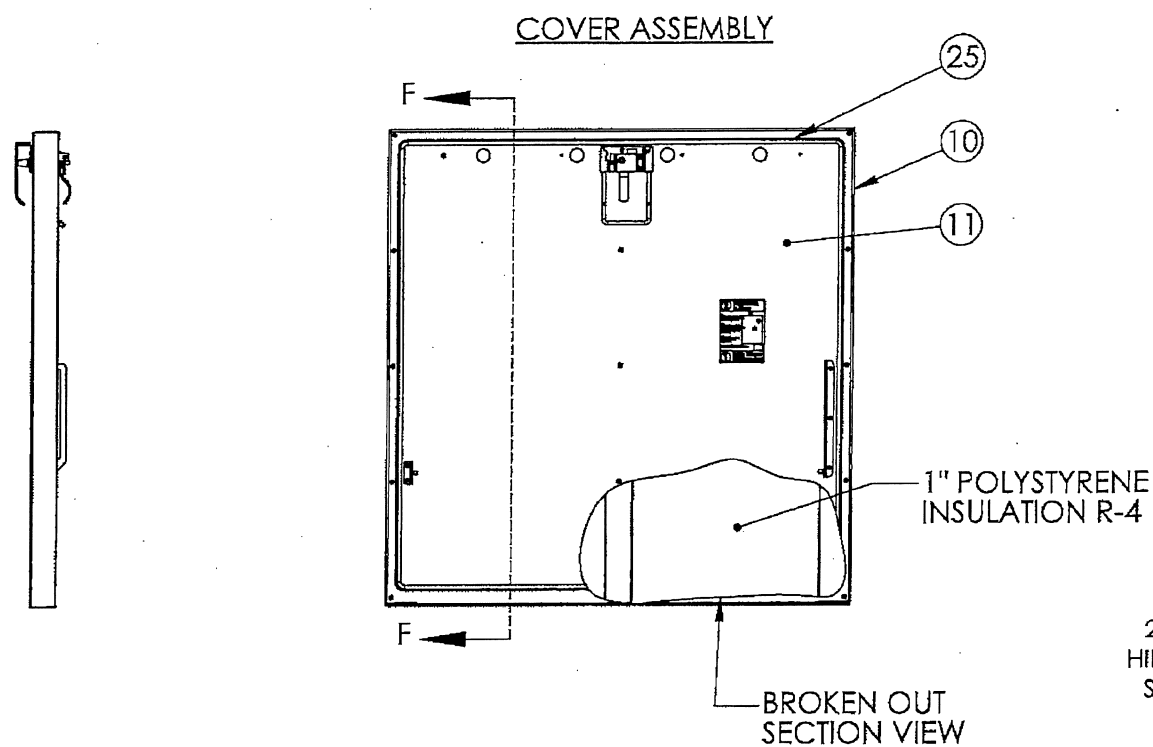
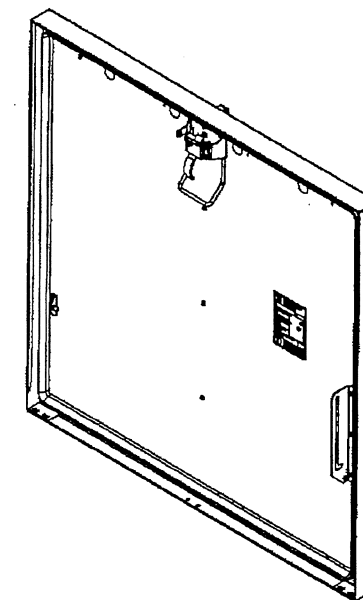
Tri-Built

TITLE:
Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Single Point Latch

NAME	DATE	SIZE	DWG. NO.	REV
DRAWN DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED IMT	6/22/2017	WEIGHT: Weight	SHEET 5 OF 16	



SECTION J-J



SECTION F-F

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0110.06**

Expiration Date **05/25/2022**

By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0703.04**

Expiration Date **05/25/2022**

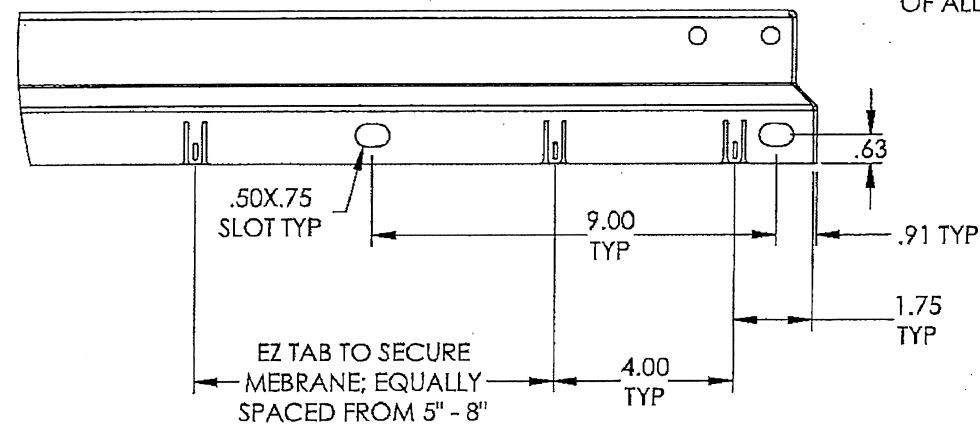
By *[Signature]*
Miami-Dade Product Control



Tri-Built			TITLE: Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb Single Point Latch		
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED	IMT	6/22/2017	WEIGHT: Weight SHEET 5 OF 16		

**CAP FLASHING TYP
EZ TAB LOCATIONS
AND SAFETY RAIL
MOUNTING HOLES**

NOTE:
EZ TAB AND SAFETY RAIL
MOUNTING HOLE DIMENSIONS
ARE TYPICAL FROM BOTH ENDS
OF ALL TYPES OF CAP FLASH.



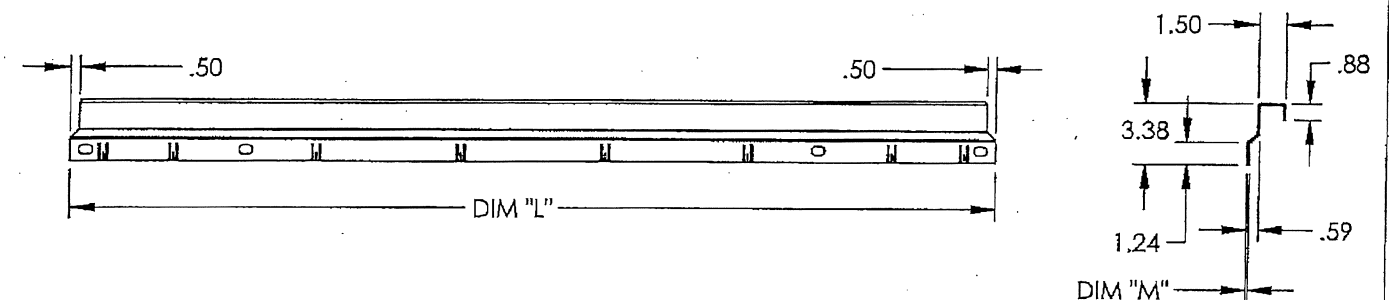
HATCH MATERIAL	DIM "J"	DIM "K"
GALVANEAL A653, 33KSI MIN	LENGTH + 3.51	.075 (14GA)
ALUMINUM 3003-H14	LENGTH + 3.51	.090 (11GA)

LATCH CAP FLASHING

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0110.06**

Expiration Date **05/25/2022**

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Miami-Dade Product Control



HATCH MATERIAL	DIM "L"	DIM "M"
GALVANEAL A653, 33KSI MIN	LENGTH + 3.51	.075 (14GA)
ALUMINUM 3003-H14	LENGTH + 3.51	.090 (11GA)

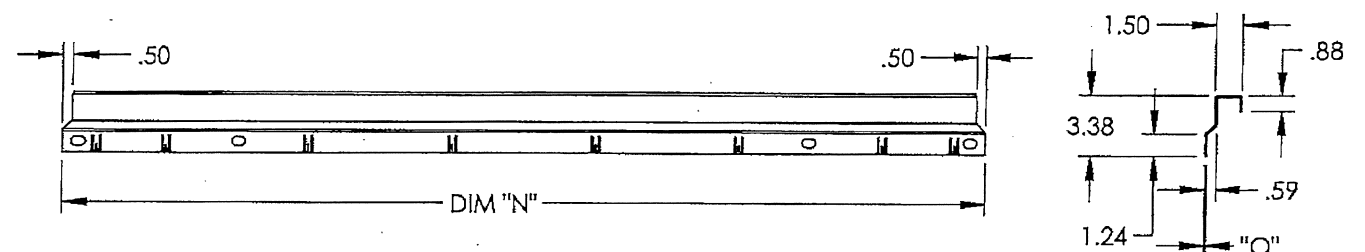
PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. **17-0703.04**

Expiration Date **05/25/2022**

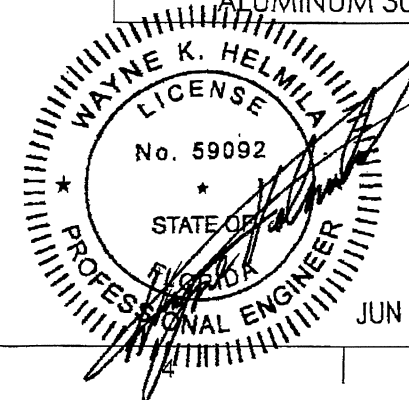
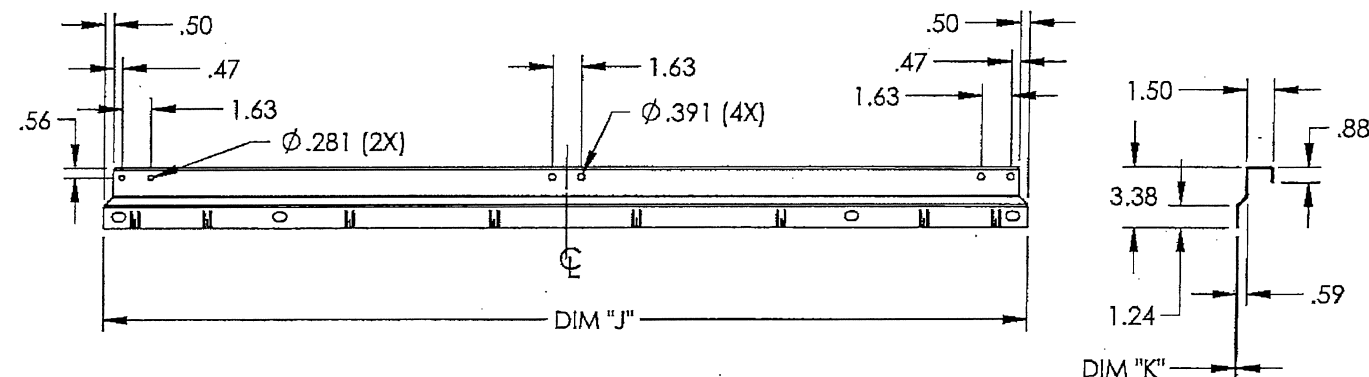
By *[Signature]*
Miami-Dade Product Control

TOP & BOTTOM CAP FLASHING



HATCH MATERIAL	DIM "N"	DIM "O"
GALVANEAL A653, 33KSI MIN	WIDTH + 3.56	.075 (14GA)
ALUMINUM 3003-H14	WIDTH + 3.56	.090 (11GA)

HINGE CAP FLASHING



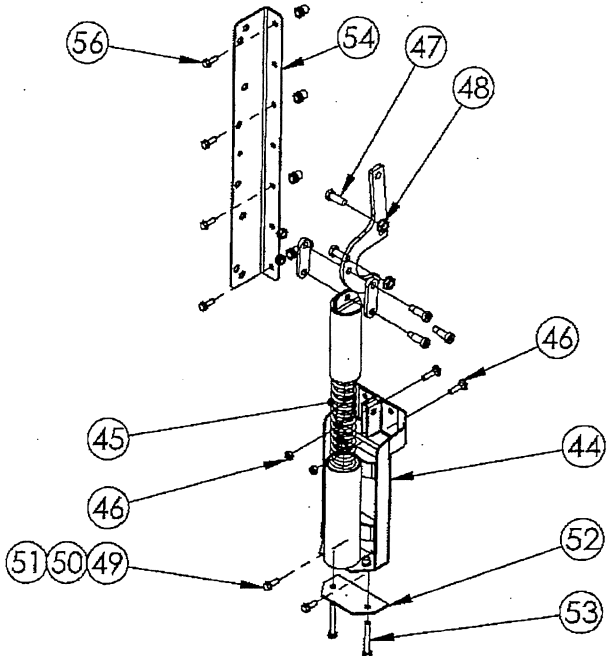
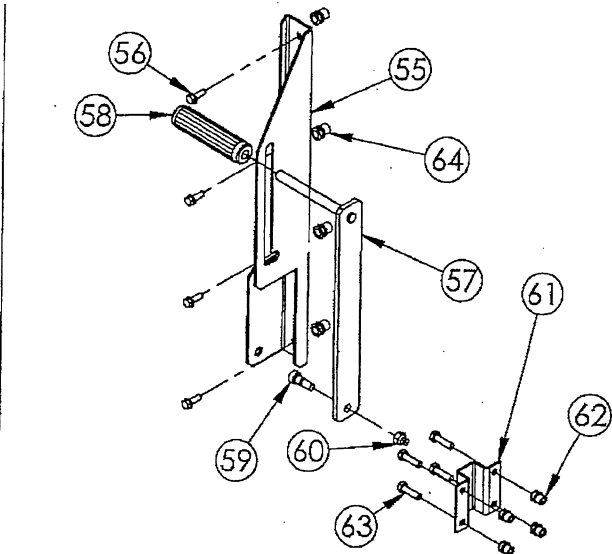
Tri-Built

TITLE:
Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Single Point Latch

NAME	DATE	SIZE	DWG. NO.	REV
DRAWN DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED IMT	6/22/2017	WEIGHT: Weight	SHEET 7 OF 16	

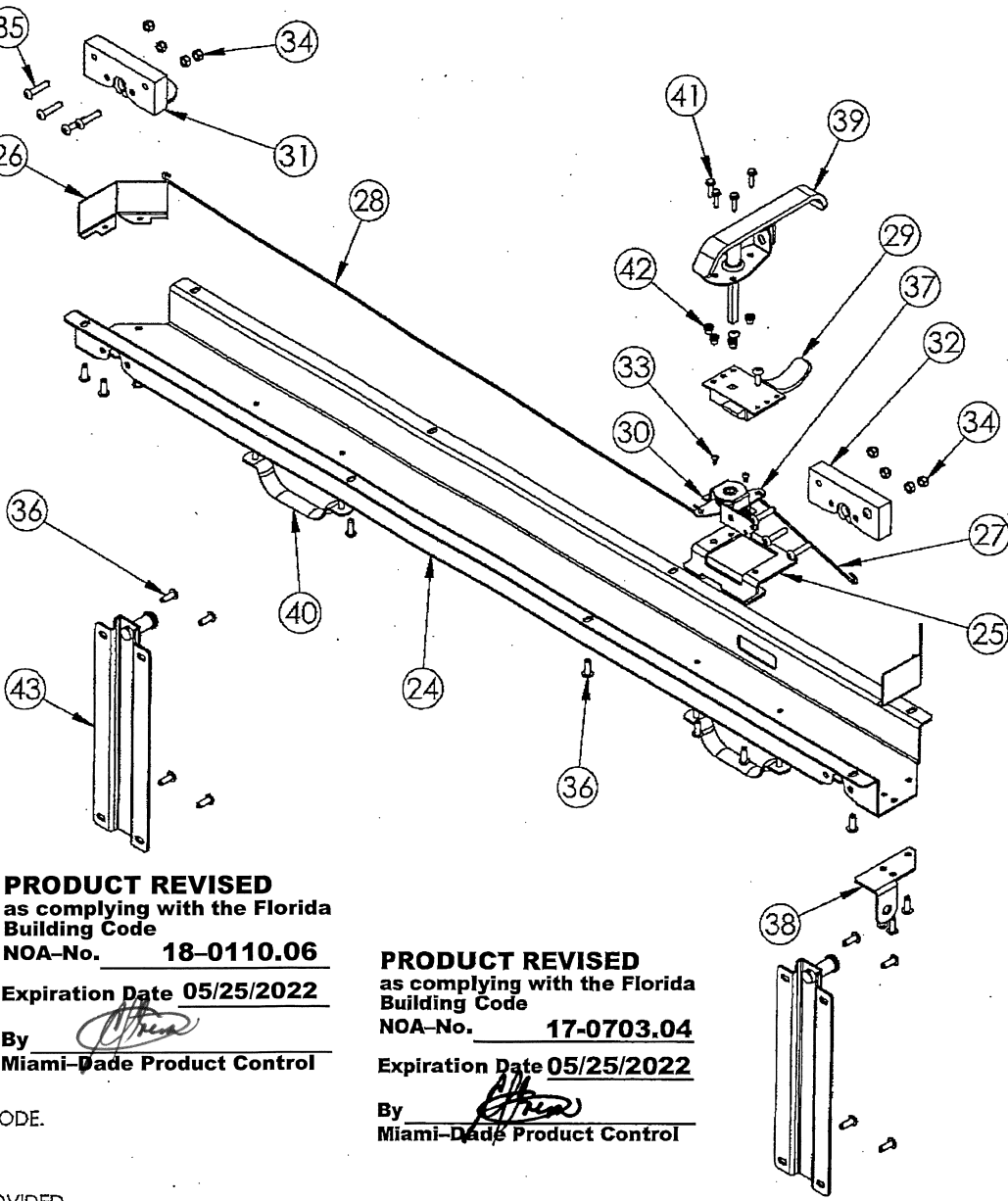
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/10/16	IMT
B	UPDATED MAT'L PGS. 6,7,8; UPDATED GASKET DESCRIPTION ON BOM; ADDED MODEL# NOTE PG. 2; CHG'D NOTE 7 PG. 1 TO "ALUMINUM DESIGN MANUAL; UPDATED PRESSURE REFERENCE TABLE PG. 1; SPOILED OUT ACRONYMS PG. 2; ADDED MIDDLE STIFFENER DETAIL PG. 8	3/17/17	IMT

HOLD OPEN ARM ASSEMBLY



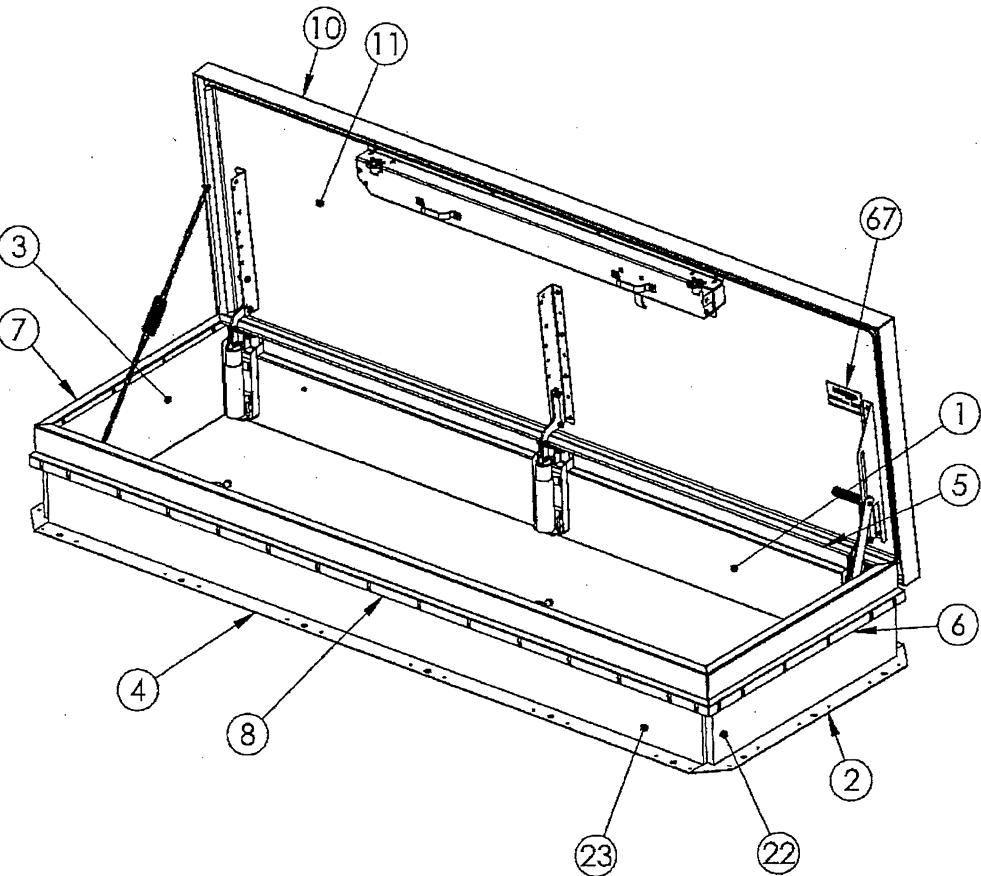
LIFTING/HINGE SUPPORT ASSEMBLY

2-POINT LATCH ASSEMBLY



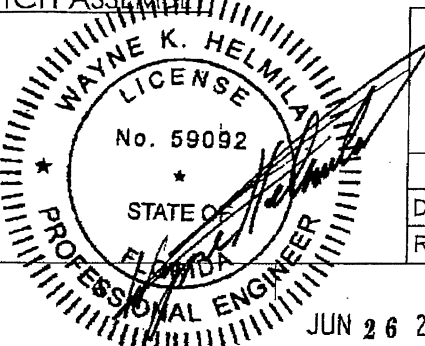
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **18-0110.06**
Expiration Date **05/25/2022**
By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
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Expiration Date **05/25/2022**
By *[Signature]*
Miami-Dade Product Control



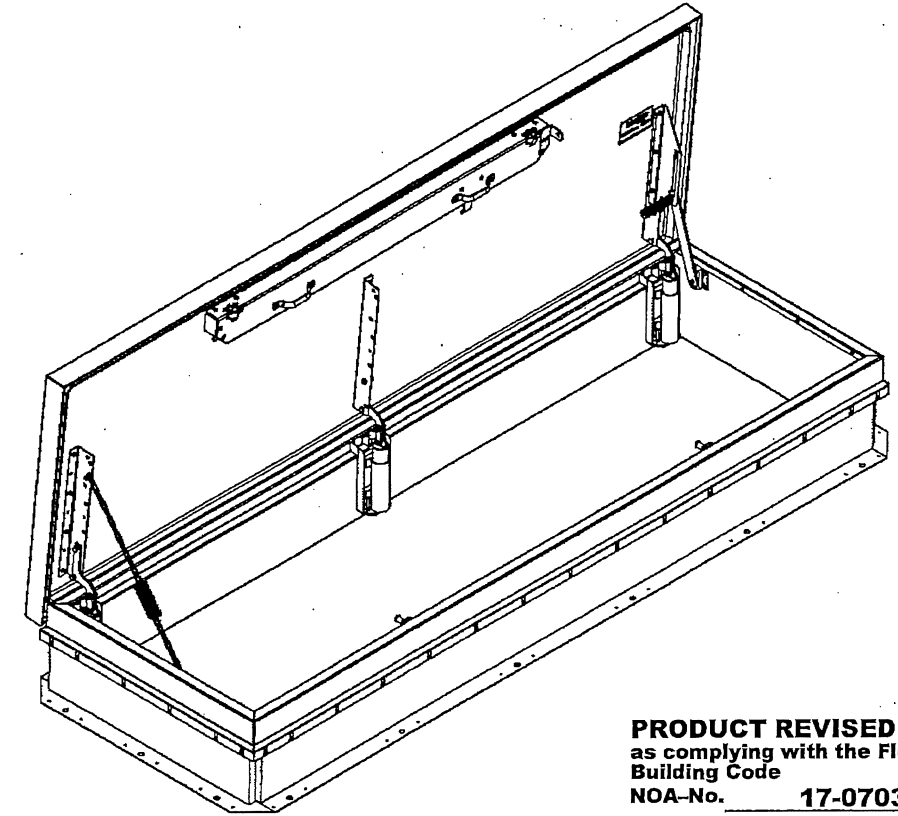
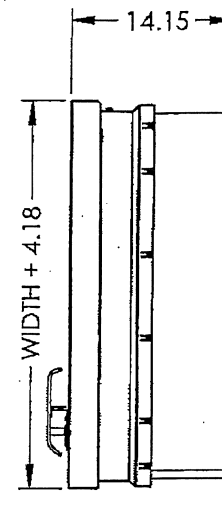
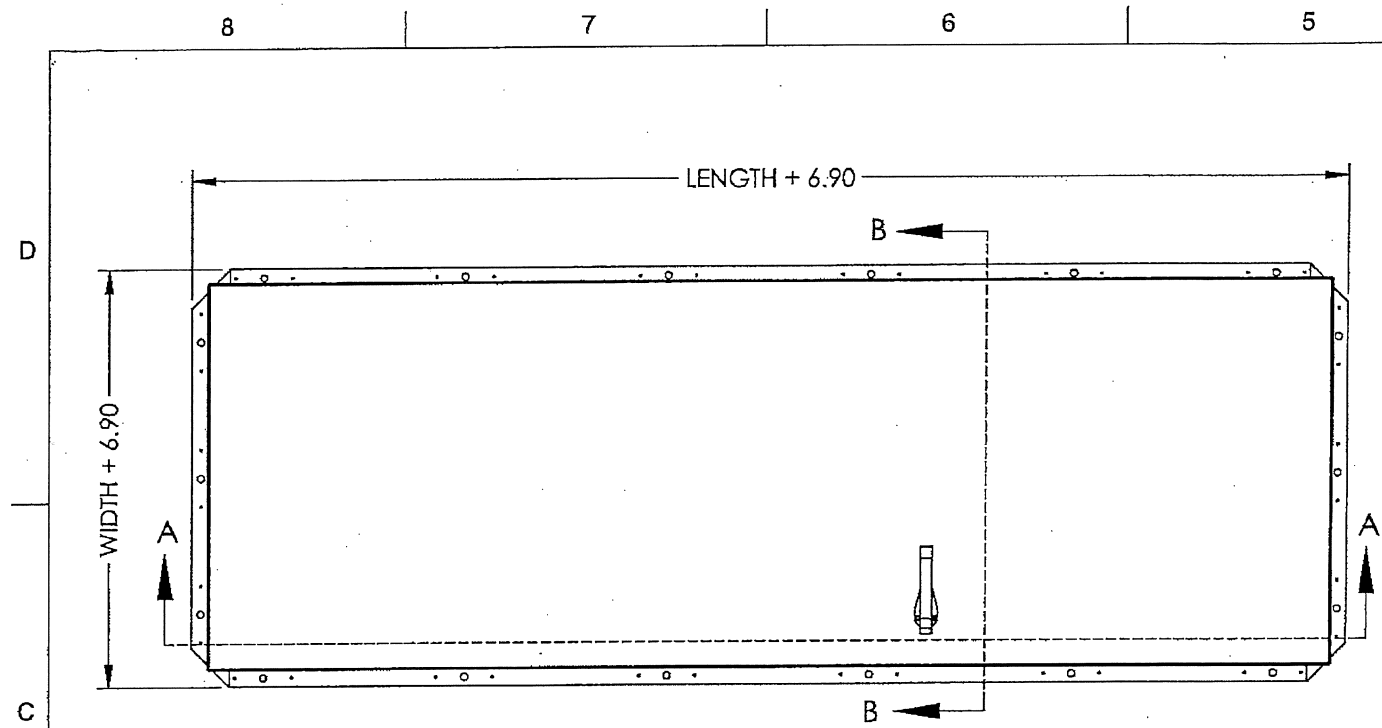
- NOTES:
- 1) THE DESIGN CONTAINED HEREIN IS DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. TEST PROTOCOL TAS-201, TAS-202, TAS-203
 - 2) THE SHORT TERM LOAD FACTOR HAS NOT BEEN USED.
 - 3) PRODUCT APPROVED UP TO A INSIDE AREA OF 20.00 SF (WIDTH X LENGTH ≤ 20.00 SF).
 - 4) ATTACHMENT TO STRUCTURE SHALL MEET THE FOLLOWING ALLOWABLE LOAD CONDITIONS. THE VALUES PROVIDED ASSUME THE ATTACHMENT DIRECTLY TO THE STRUCTURAL ELEMENTS WITHOUT SPACE. ALLOWABLE MINIMUM LOAD VALUES PULLOUT: 1400 LBS. SHEAR: 654 LBS.
 - 5) USE THE FASTENER MANUFACTURES RECOMMENDED SAFETY FACTORS. IF DIFFERENT CONDITIONS EXIST, CONTACT NYSTROM OR A FLORIDA LICENSED ENGINEER FOR CONSULTATION.
 - 6) ALL LABELS TO BE LOCATED IN APPROXIMATE LOCATIONS AS SHOWN.
 - 7) PROTECTION BETWEEN ALUMINUM & DISSIMILAR MATERIALS MUST BE PROVIDED PER ALUMINUM DESIGN MANUAL

DESIGN PRESSURE RATING	IMPACT RATING	WATER FILTRATION
+/- 70 PSF	LARGE MISSILE IMPACT	100%DP ZERO WATER FILTRATION



Tri-Built		TITLE:		Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb Two Point Latch	
		NAME	DATE	SIZE	DWG. NO.
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	
RELEASED	IMT	6/23/2017	WEIGHT: Weight		SHEET 9 OF 16

REV
B

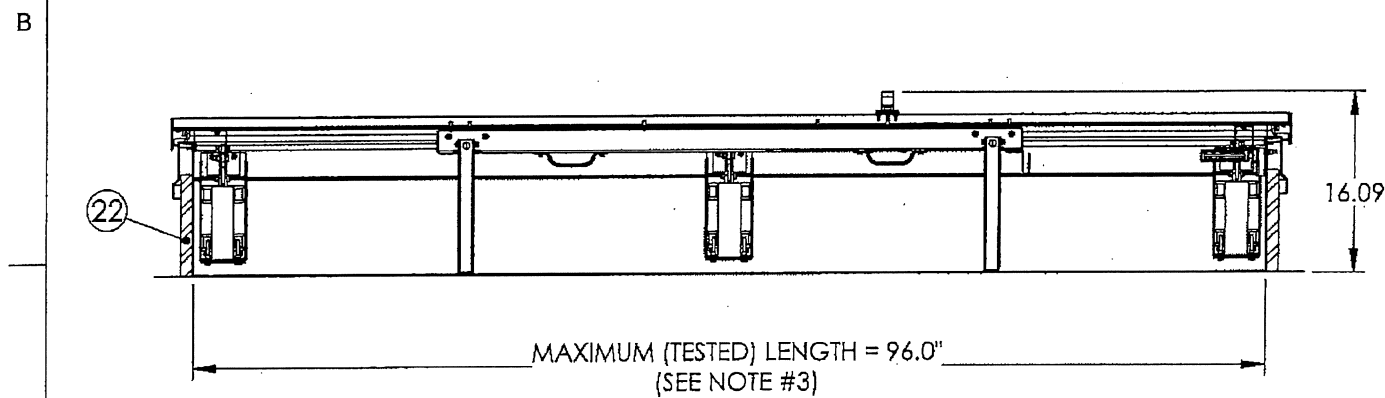
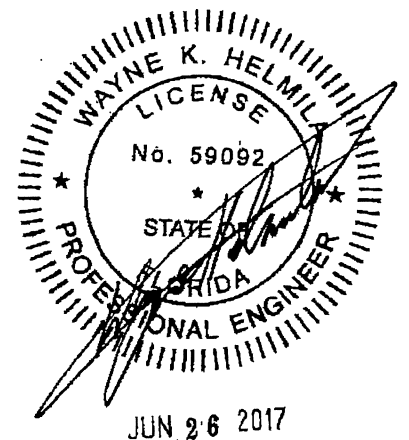


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0703.04
Expiration Date 05/25/2022

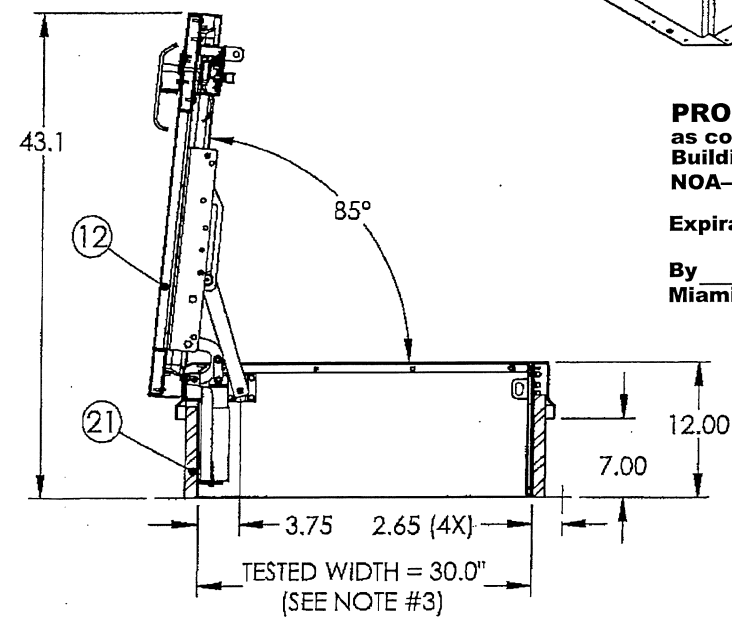
By [Signature]
Miami-Dade Product Control

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as complying with the Florida
Building Code
NOA-No. 18-0110.06
Expiration Date 05/25/2022

By [Signature]
Miami-Dade Product Control



SECTION A-A

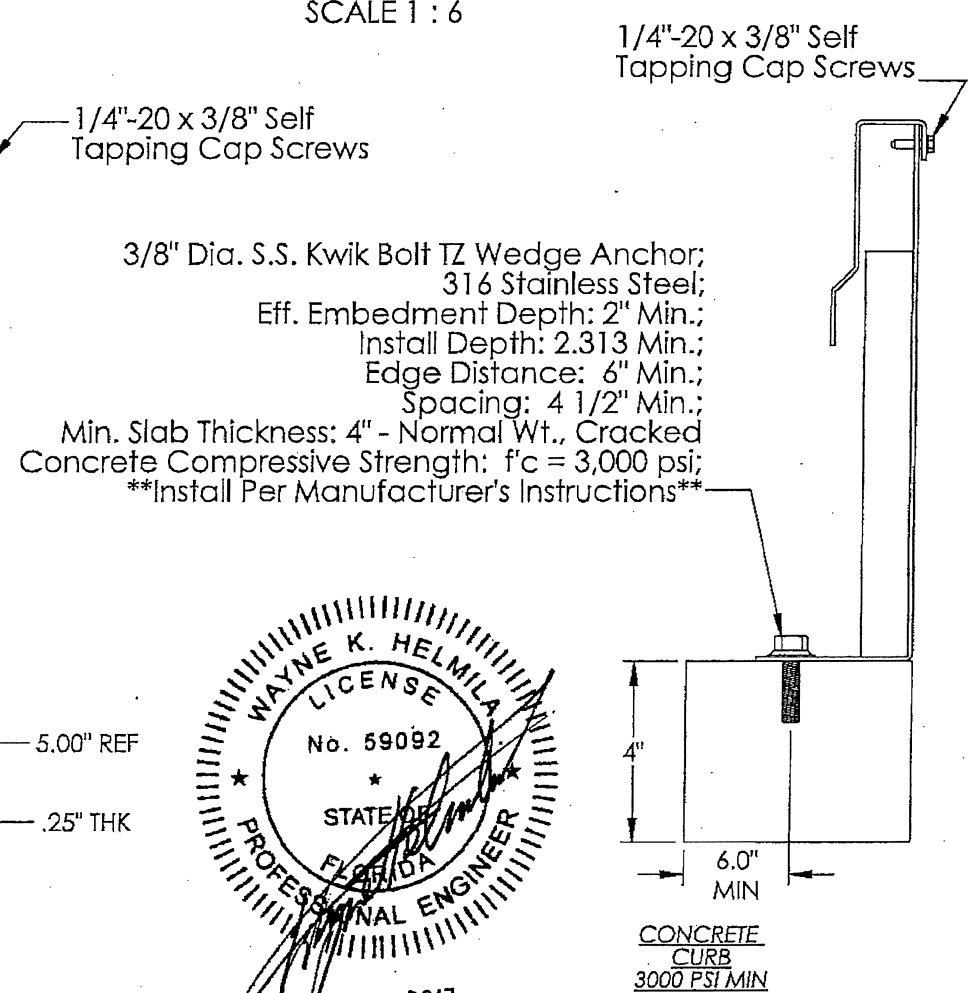
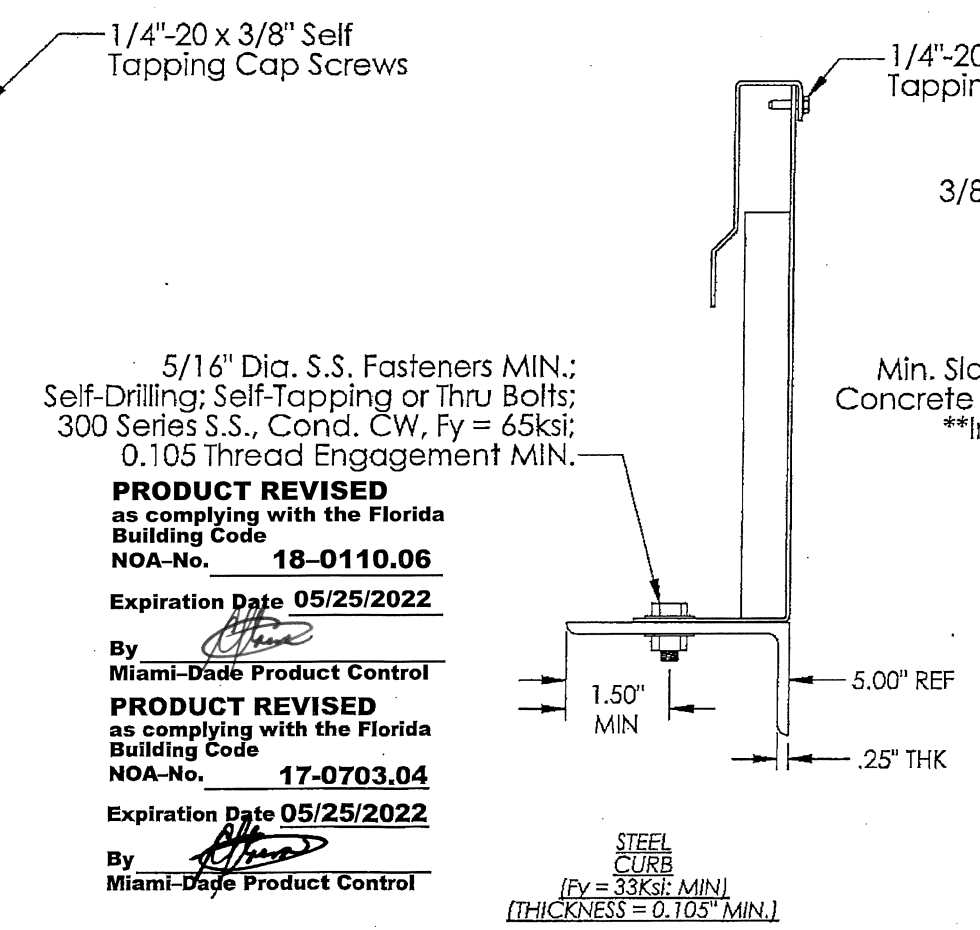
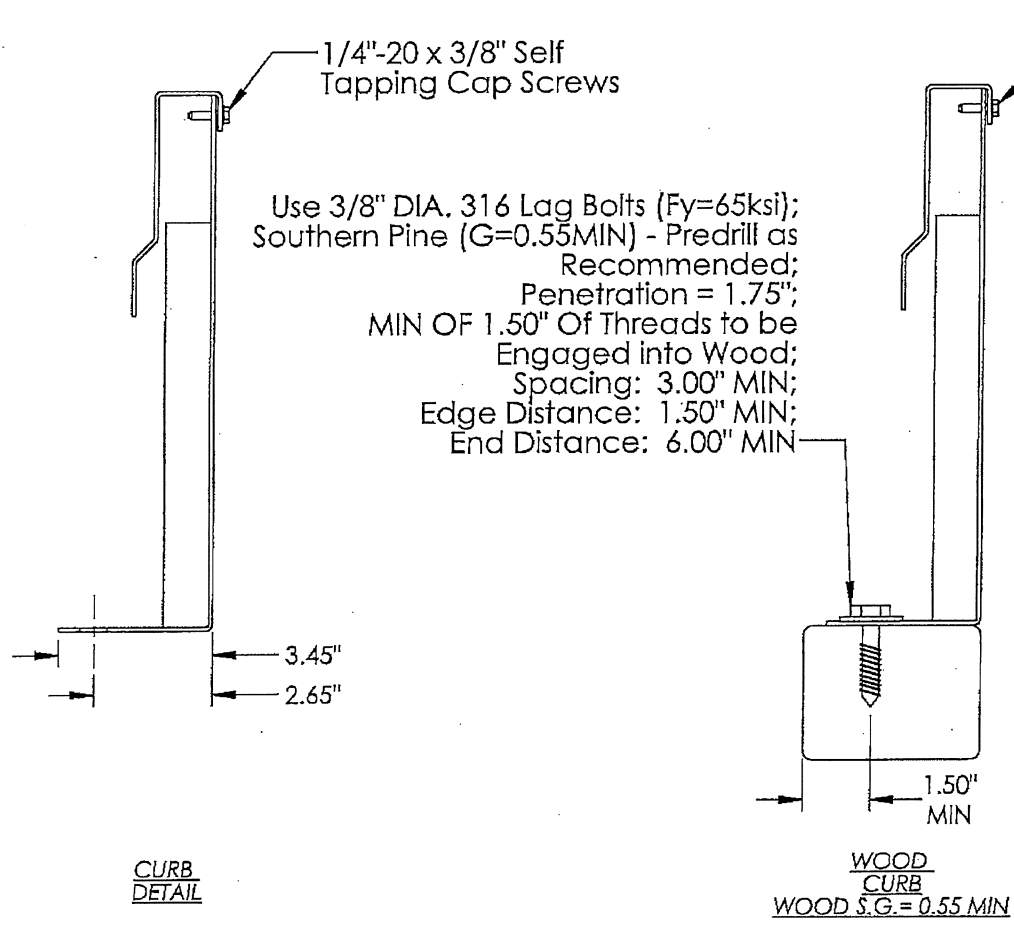
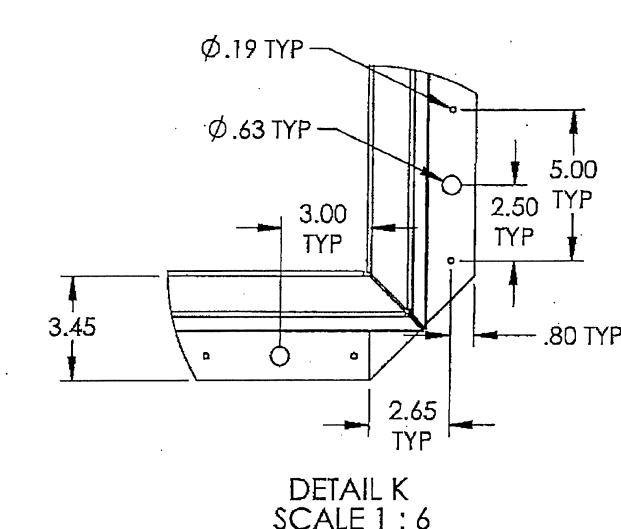
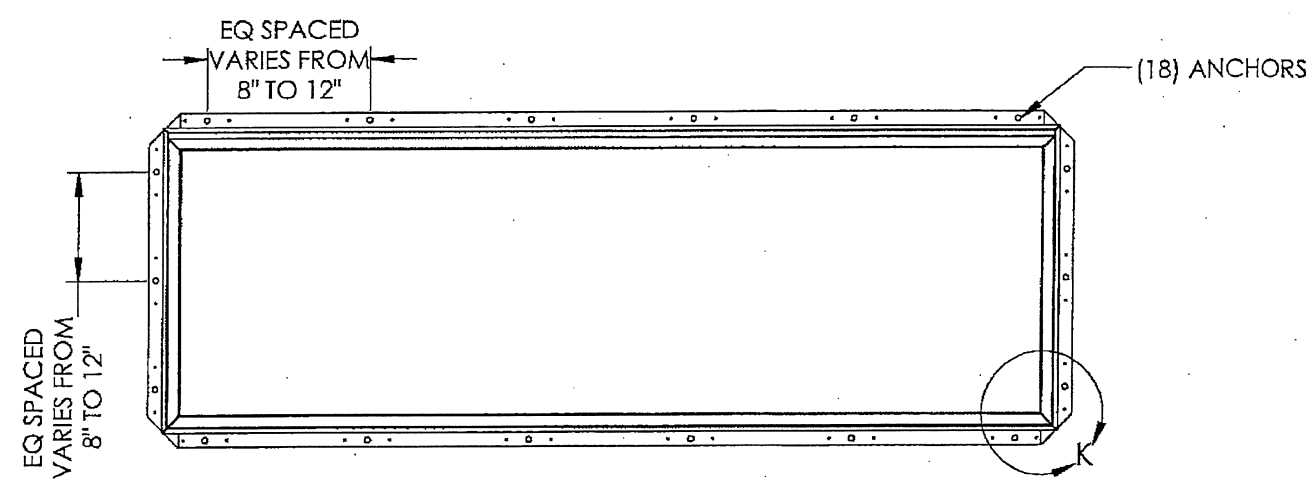


SECTION B-B

Tri-Built

TITLE:
Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Two Point Latch

NAME	DATE	SIZE	DWG. NO.	REV
DRAWN DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED IMT	6/23/2017	WEIGHT: Weight	SHEET 11 OF 16	

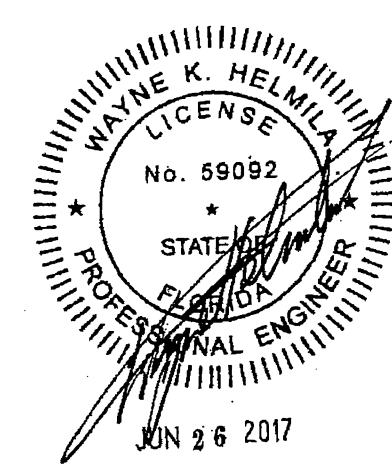


PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **18-0110.06**
Expiration Date **05/25/2022**

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Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **17-0703.04**
Expiration Date **05/25/2022**

By *[Signature]*
Miami-Dade Product Control



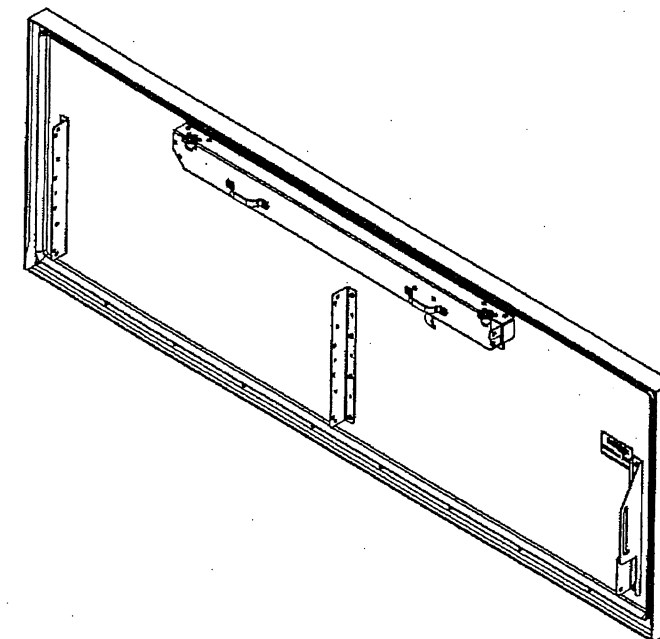
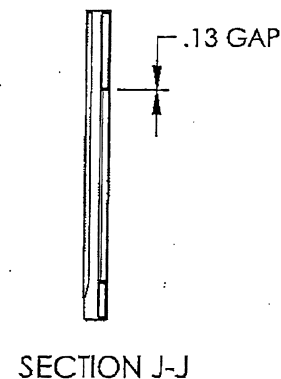
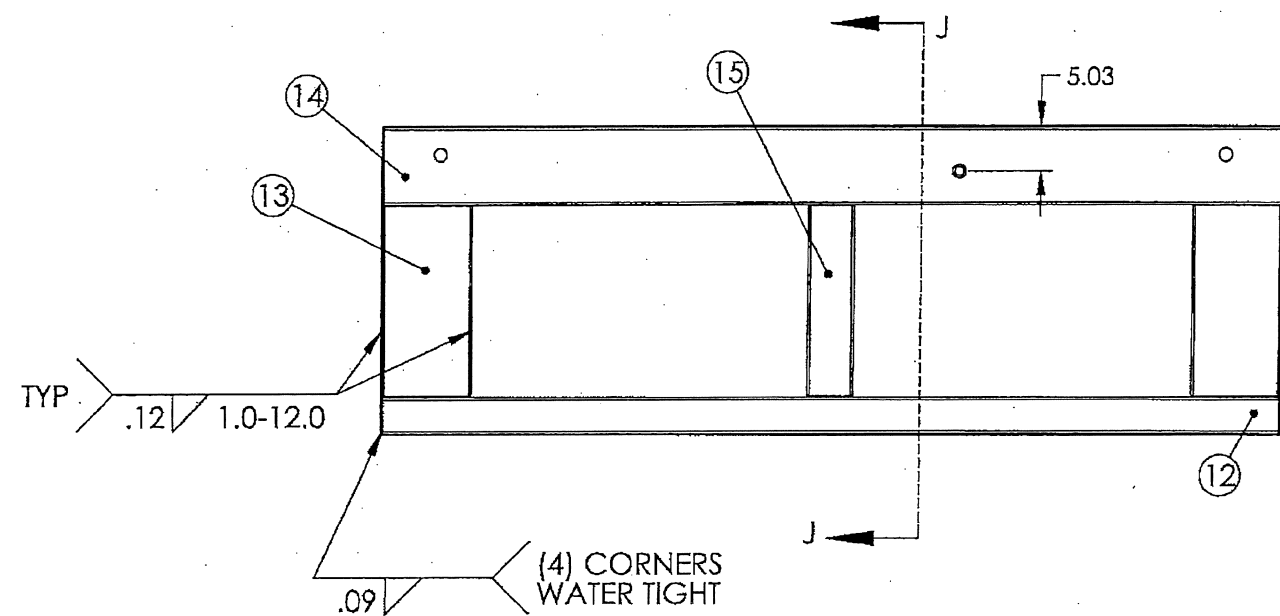
ANCHORING DETAIL
OPTIONS

NOTE: Anchorage Designed For
70 psf Lateral And 70 psf Uplift
(Applied Independently)

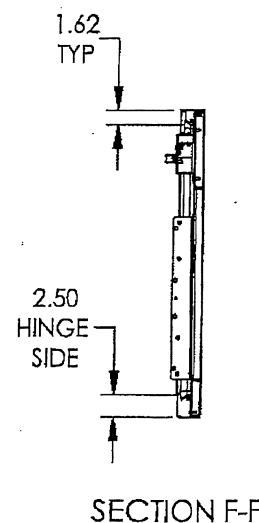
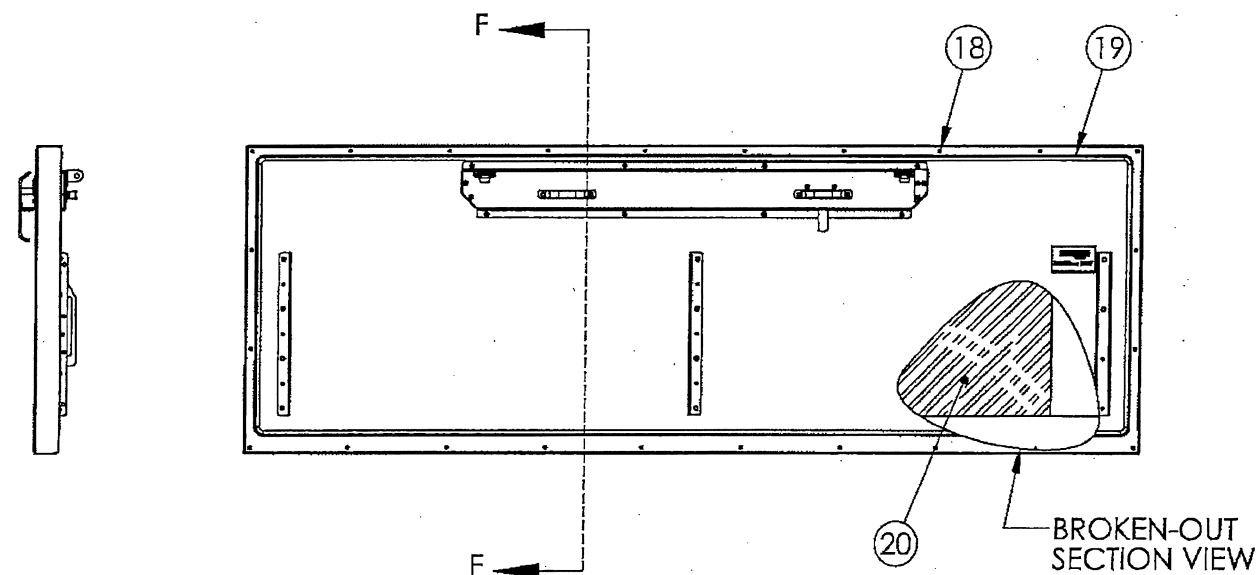
Tri-Built			TITLE: Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb Two Point Latch		
	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED	IMT	6/23/2017	WEIGHT: Weight	SHEET 12 OF 16	

8 7 6 5 4 3 2 1

COVER WELDMENT



COVER ASSEMBLY



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as complying with the Florida
Building Code
NOA-No. 17-0703.04
Expiration Date 05/25/2022
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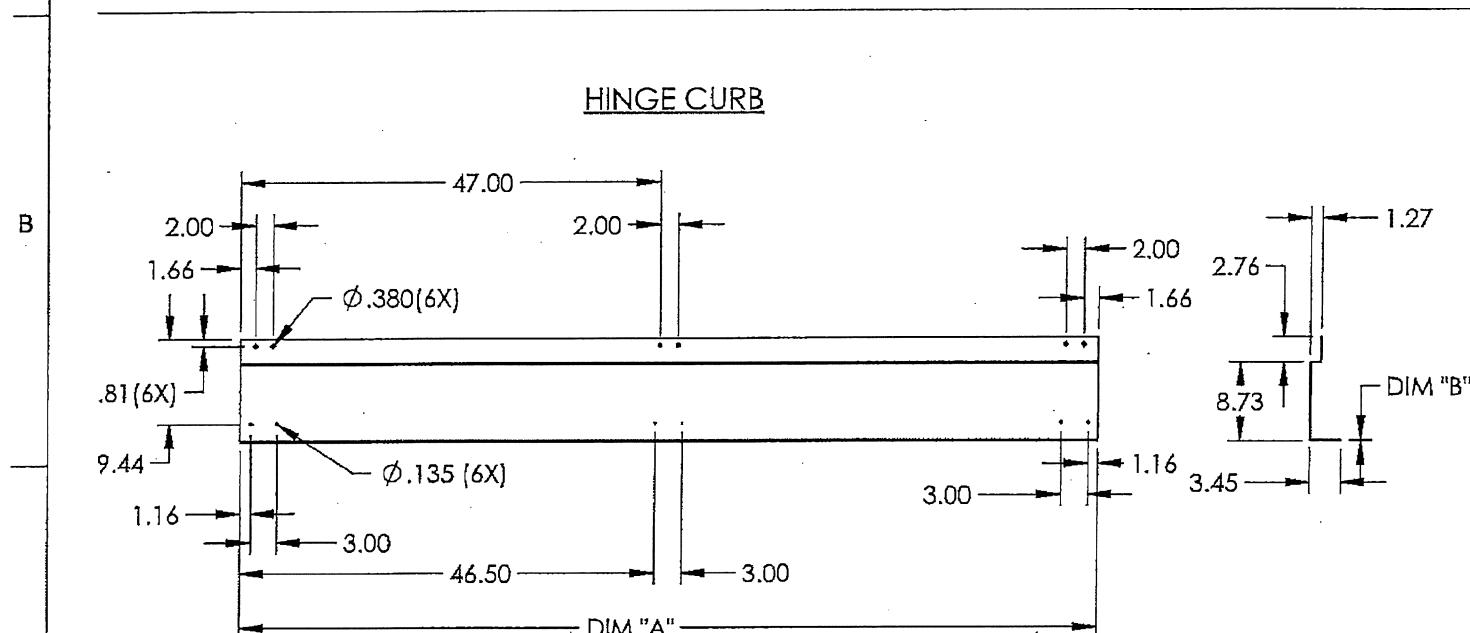
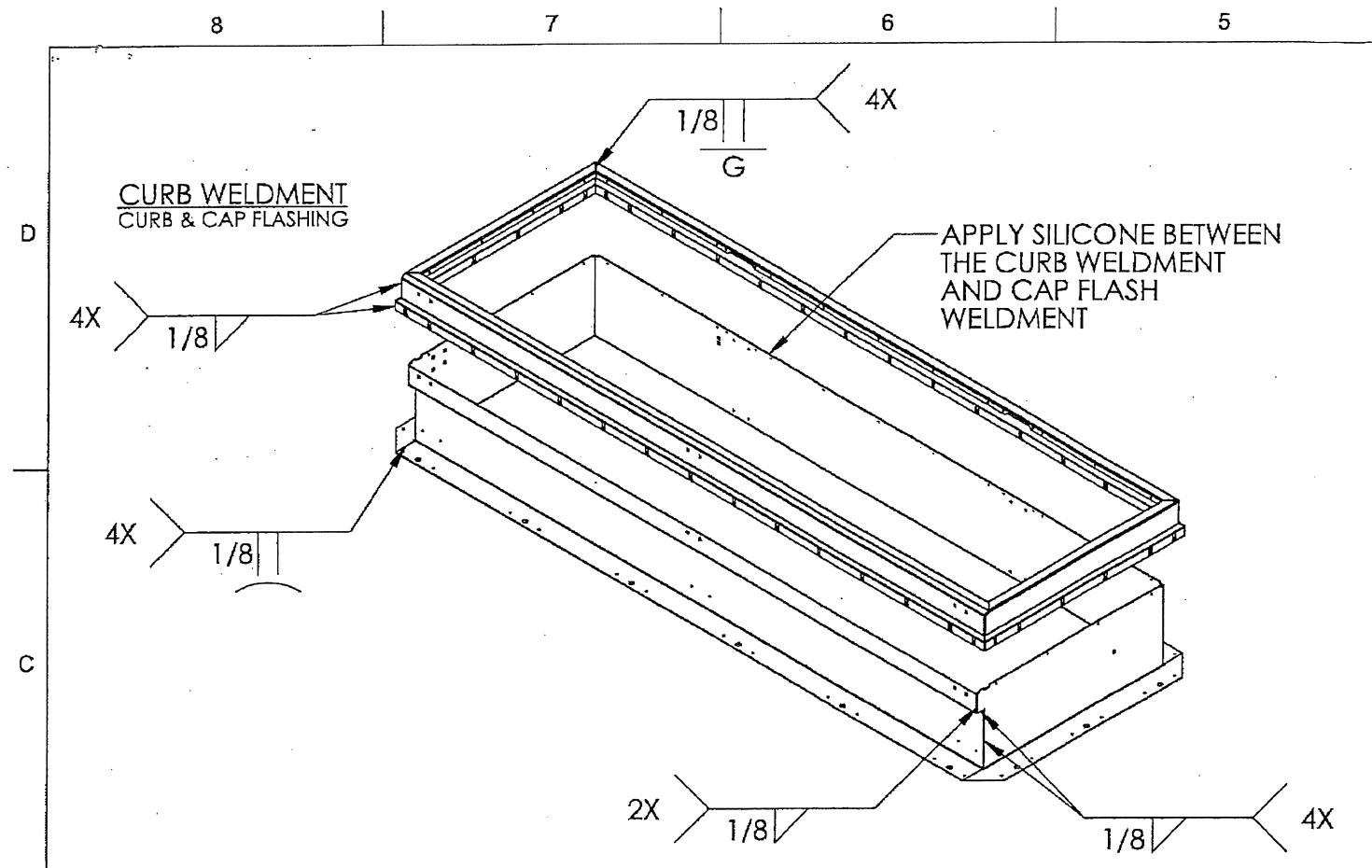
PRODUCT REVISED
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Building Code
NOA-No. 18-0110.06
Expiration Date 05/25/2022
By *[Signature]*
Miami-Dade Product Control

Tri-Built

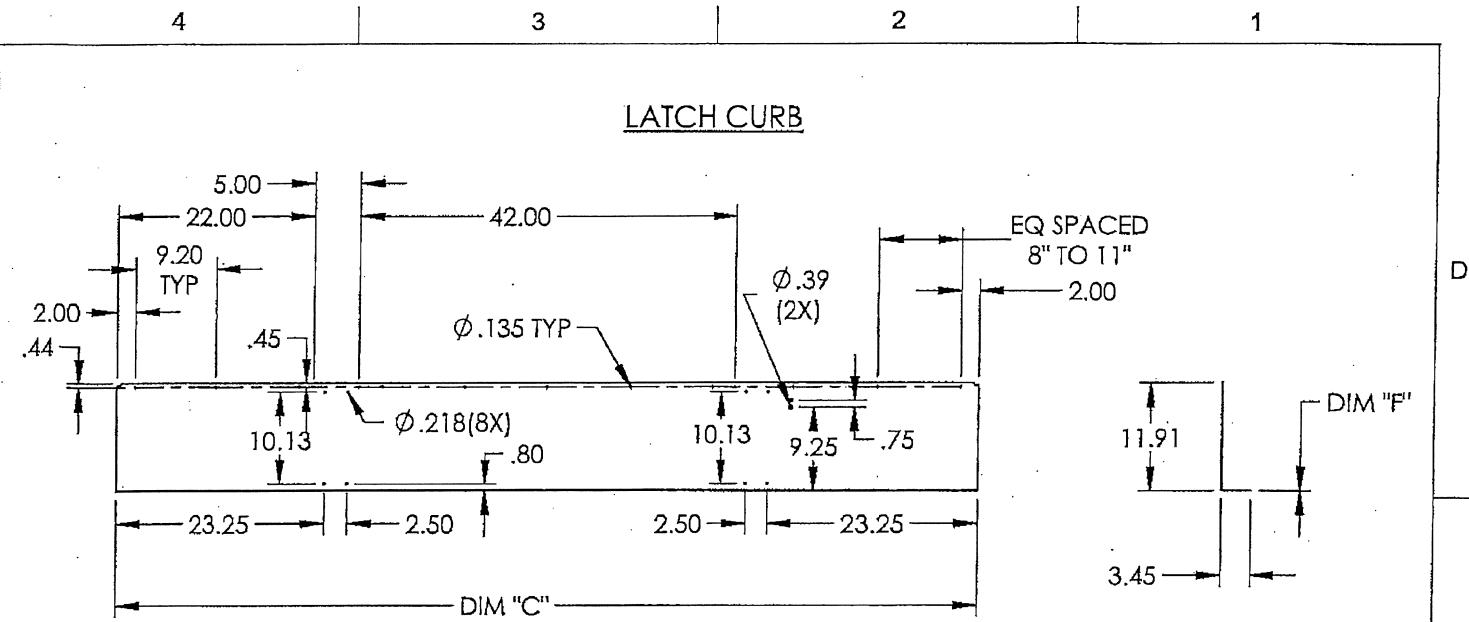
TITLE:
Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Two Point Latch

	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED	IMT	6/23/2017	WEIGHT: Weight	SHEET 13 OF 16	

8 7 6 5 4 3 2 1



HATCH MATERIAL	DIM "A"	DIM "B"
GALVANEAL A653 33KSI MIN	LENGTH	.075 (14GA)
ALUMINUM 3003-H14	LENGTH	.090 (11GA)



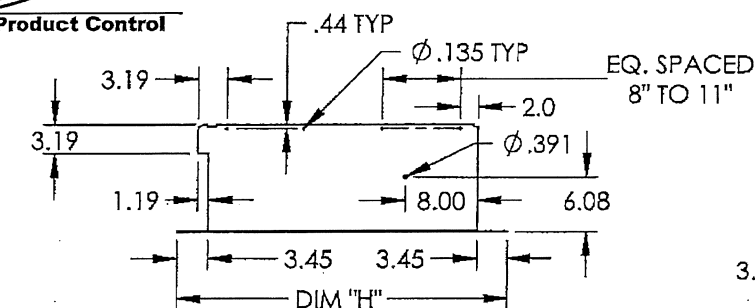
HATCH MATERIAL	DIM "C"	DIM "D"	DIM "E"	DIM "F"
GALVANEAL A653 33KSI MIN	LENGTH	LENGTH/2 - 1.25	0.218	.075 (14GA)
ALUMINUM 3003-H14	LENGTH	LENGTH/2 - 1.25	0.391	.090 (11GA)

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TOP & BOTTOM CURB

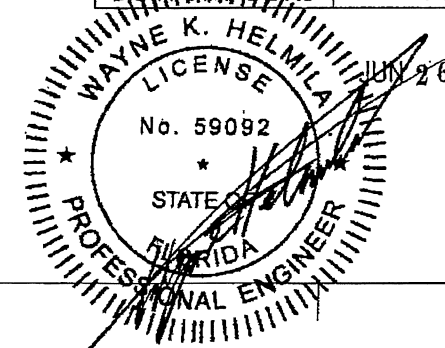


CURB	HATCH MATERIAL	DIM "H"	DIM "I"
TOP CURB	GALVANEAL A653 33KSI MIN	WIDTH + 6.9	.075 (14GA)
TOP CURB	ALUMINUM 3003-H14	WIDTH + 6.9	.090 (11GA)
BOTTOM CURB	GALVANEAL A653 33KSI MIN	WIDTH + 6.9	.075 (14GA)
BOTTOM CURB	ALUMINUM 3003-H14	WIDTH + 6.9	.090 (11GA)

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Expiration Date **05/25/2022**

By *[Signature]*
Miami-Dade Product Control



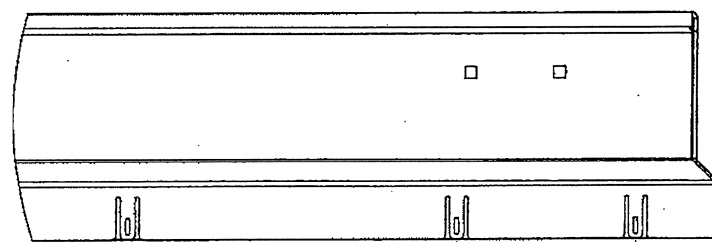
Tri-Built

TITLE:
Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Two Point Latch

NAME	DATE	SIZE	DWG. NO.	REV
DRAWN: DKL	10/10/2016	B	DOOR HATCH ASSEMBLY	B
RELEASED: IMT	6/23/2017	WEIGHT: Weight	SHEET 14 OF 16	

8 7 6 5 4 3 2 1

CAP FLASHING TYP
EZ TAB LOCATIONS



NOTE:
EZ TAB DIMENTIONS ARE TYP
FROM BOTH ENDS OF
ALL TYPES OF CAP FLASH.

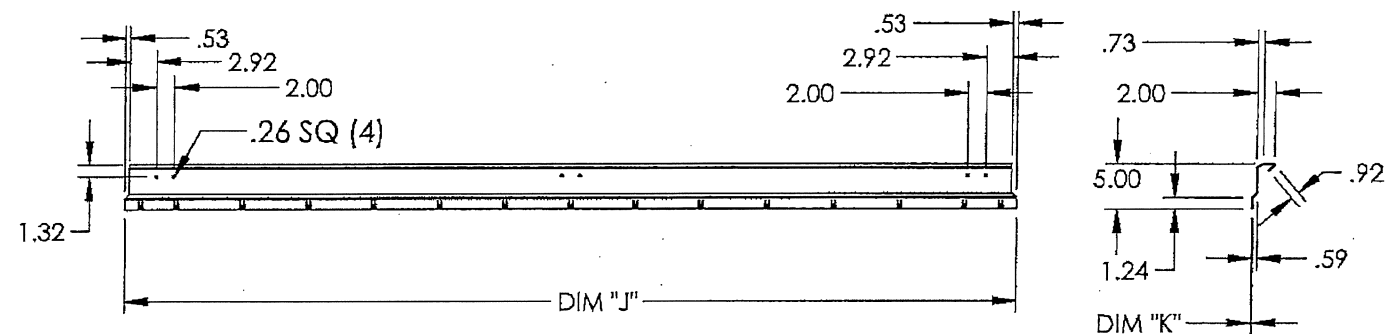
EZ TAB TO SECURE
MEMBRANE SPACING
VARIES FROM EQUAL
SPACED 5'-8"

4.0
TYP
SPACING

1.75
TYP

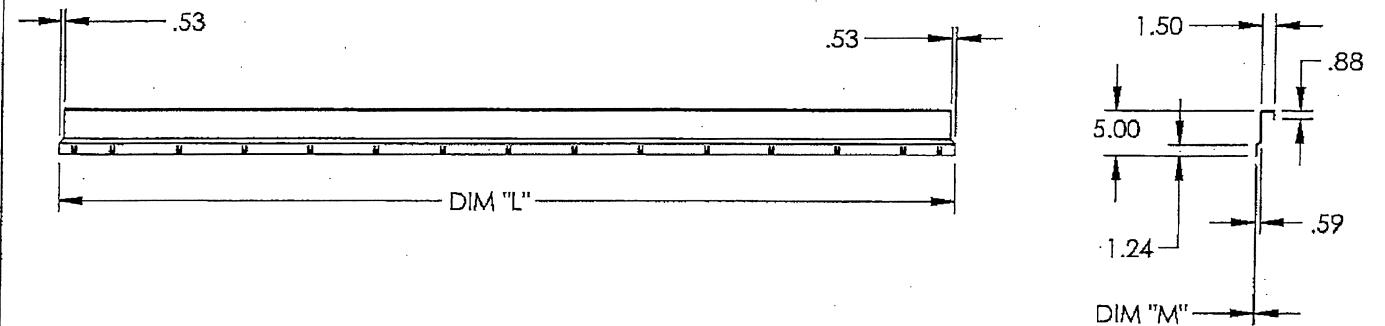
MATERIAL
THICKNESS

HINGE CAP FLASHING



HATCH MATERIAL	DIM "J"	DIM "K"
GALVANEAL A653, 33KSI MIN	LENGTH + 3.51	.075 (14GA)
ALUMINUM 3003-H14	LENGTH + 3.51	.090 (11GA)

LATCH CAP FLASHING



HATCH MATERIAL	DIM "L"	DIM "M"
GALVANEAL A653, 33KSI MIN	LENGTH + 3.51	.075 (14GA)
3003ALUMINUM-H14	LENGTH + 3.51	.090 (11GA)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **17-0703.04**

Expiration Date **05/25/2022**

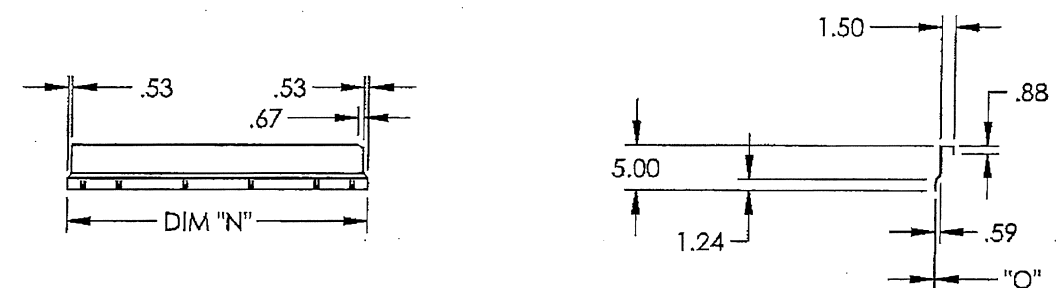
By *[Signature]*
Miami-Dade Product Control

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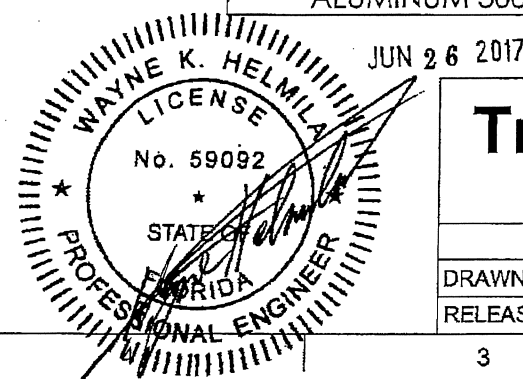
Expiration Date **05/25/2022**

By *[Signature]*
Miami-Dade Product Control

TOP & BOTTOM CAP FLASHING



HATCH MATERIAL	DIM "N"	DIM "O"
GALVANEAL A653, 33KSI MIN	WIDTH + 3.56	.075 (14GA)
ALUMINUM 3003-H14	WIDTH + 3.56	.090 (11GA)

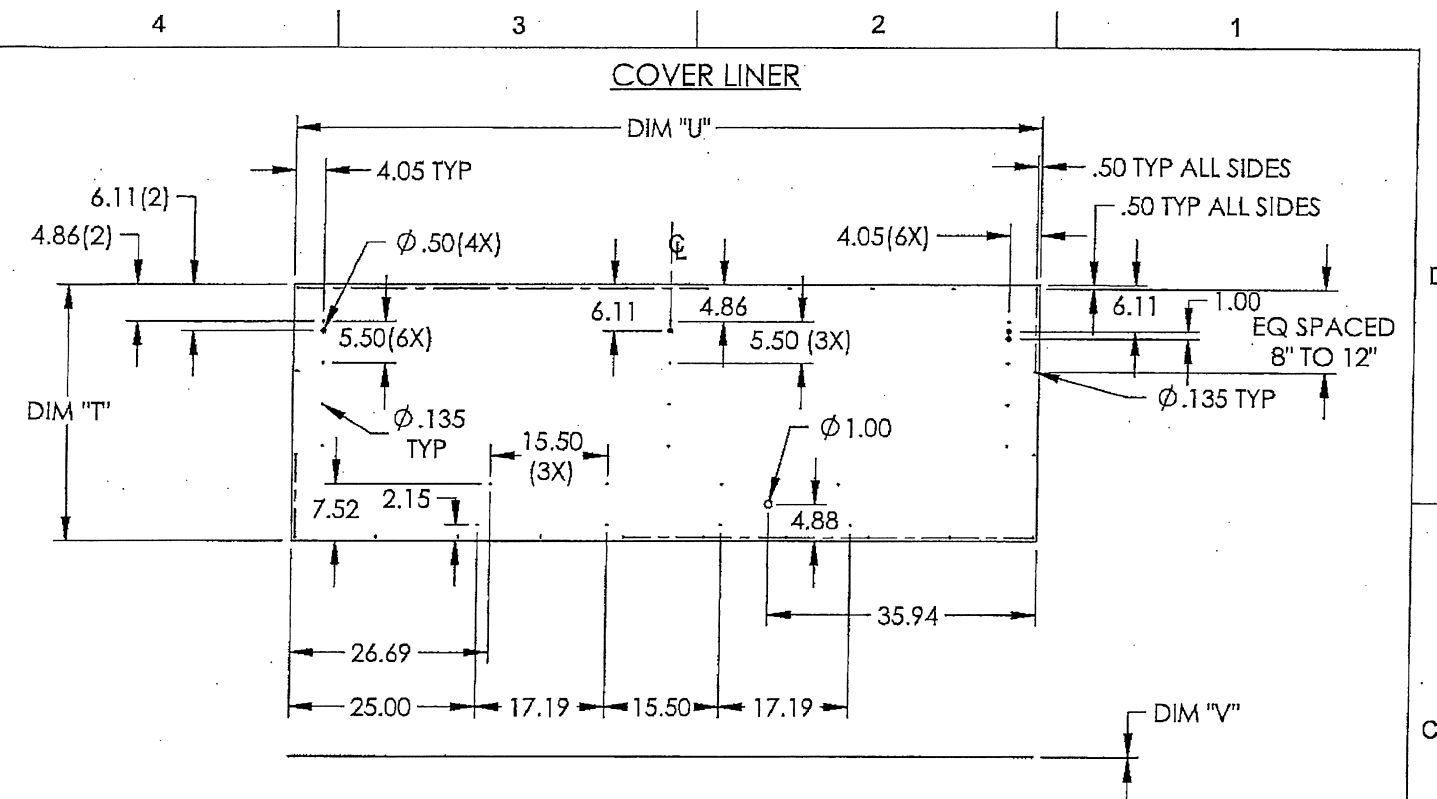
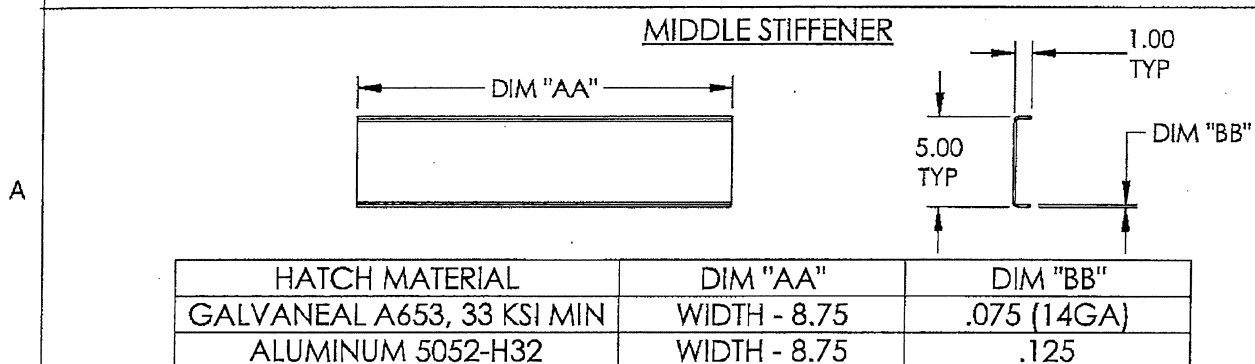
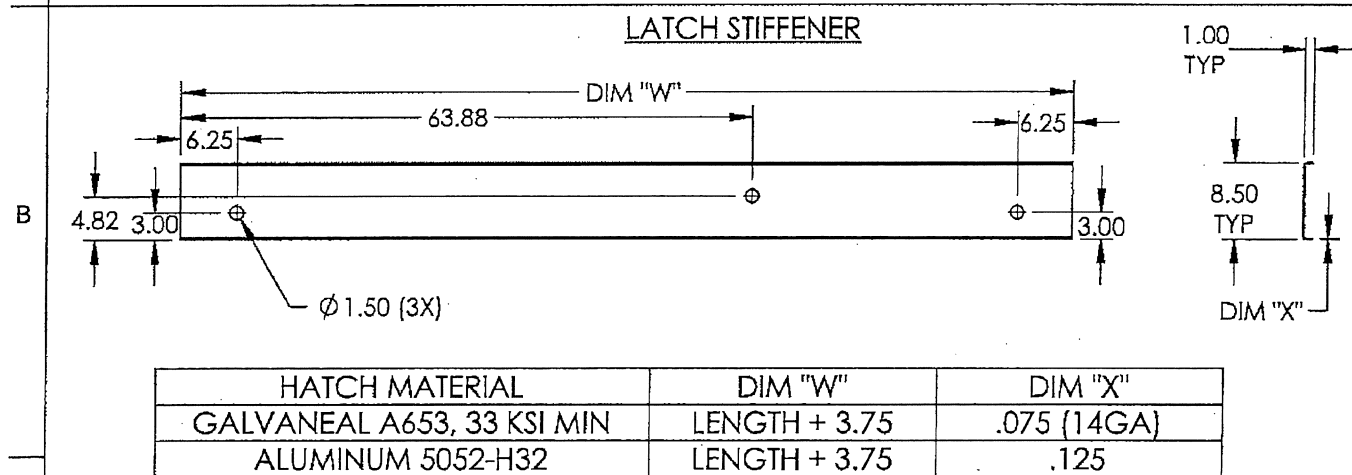
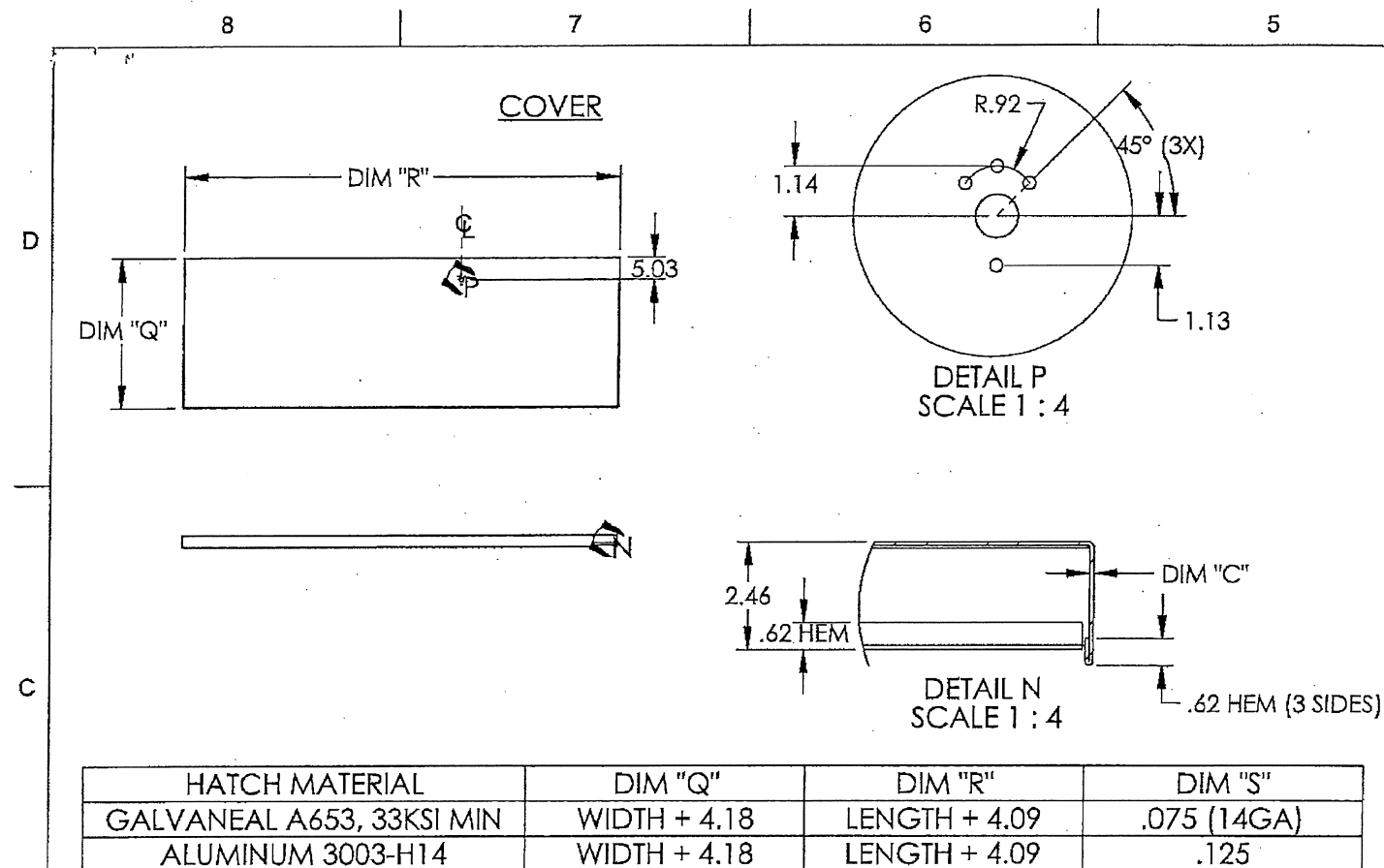


Tri-Built

TITLE: Roof Hatch, Hurricane Zone Series Single Door, Single Wall Curb Two Point Latch			REV B	
DRAWN	NAME	DATE	SIZE	DWG. NO.
RELEASED	IMT	6/23/2017	B	DOOR HATCH ASSEMBLY
WEIGHT: Weight			SHEET 15 OF 16	

3 2 1

8 7 6 5



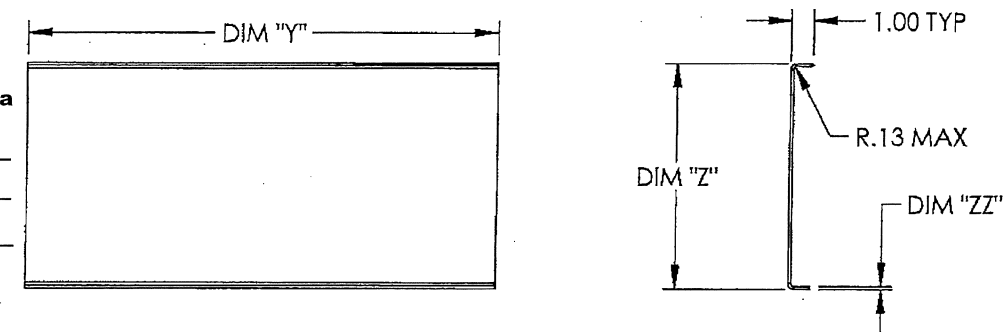
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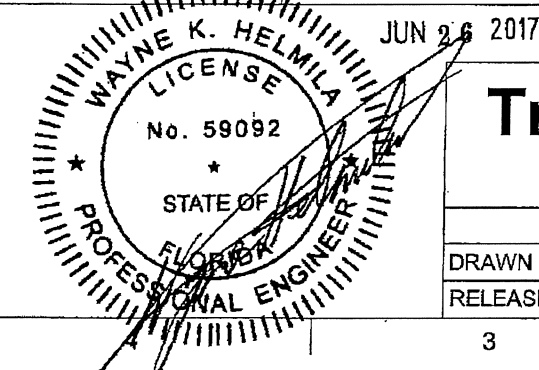
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Expiration Date **05/25/2022**

By *[Signature]*
Miami-Dade Product Control

HINGE & SIDES STIFFENER



STIFFENER	HATCH MATERIAL	DIM "Y"	DIM "Z"	DIM "ZZ"
HINGE STIFFENER	GALVANEAL A653, 33KSI MIN	LENGTH + 3.75	4.0	.075 (14GA)
HINGE STIFFENER	ALUMINUM 5052-H32	LENGTH + 3.75	4.0	.125
SIDE STIFFENER	GALVANEAL A653, 33 KSI MIN	WIDTH - 8.75	5.0	.075 (14GA)
SIDE STIFFENER	ALUMINUM 5052-H32	WIDTH - 8.75	5.0	.125



Tri-Built

TITLE:
Roof Hatch, Hurricane Zone Series
Single Door, Single Wall Curb
Two Point Latch

NAME	DATE	SIZE	DWG. NO.	REV
DRAWN	DKL	10/10/2016	B	DOOR HATCH ASSEMBLY
RELEASED	IMT	6/23/2017	WEIGHT: Weight	SHEET 16 OF 16