



2018 Approved Hurricane Products

Product Description	FBC (Non-HVHZ)	FBC (HVHZ)	TDI Evaluation	IBC/IRC	Miami-Dade NOA#
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• Panels - Aluminum, Steel, Polycarbonate & Fabric:

2" .050 Aluminum BERTHA™ Panel	FL 11964 DWG#: 17-097		SHU-124 DWG#: 06-171	DWG#: 17-064	
2" 24 GA Galvanized Steel BERTHA™ Panel	FL 11964 DWG#: 17-089		SHU-109 DWG#: 08-006	DWG#: 13-057	
2" Clear Panel (TPS/EMS)	TPS: FL 6417 DWG: 15-2494 EMS: FL 15094 DWG#: 17-088	TPS: FL6416 DWG#: 14-1509	SHU-116 DWG#: 03-155-1343b	DWG#: 09-123	
2-1/4" .040 Aluminum BERTHA™ Panel	FL 11968 DWG#: 17-094			DWG#: 13-062	
2-1/4" .050 Aluminum BERTHA™ Panel	FL 11968 DWG#: 17-096	FL 11969 DWG#: 17-100	SHU-47 DWG#: 05-012	DWG#: 13-061	
2-1/4" 24 GA Galvanized Steel BERTHA™ Panel	FL 11968 DWG#: 17-095			DWG#: 13-060	
2-1/4" .030 Galvanized Steel BERTHA™ Panel		FL 11969 DWG#: 17-099			
2-1/4" BERTHA™ Clear Panel	FL 11968 DWG#: 17-098		SHU-168 DWG#: 13-048	DWG#: 07-230	
BERTHA™ Guard Fabric Panel+	FL 13271 DWG#: 17-4890	HurricaneFabric.com FL 17661 DWG#: 15-2452	HurricaneFabric.com SHU-204 DWG#: 11-0915		NOA 15-0316.09 DWG#: 14-2202

• Non-ASSA Bahama & Colonial Shutters; Supreme Impact System:

BERTHA™ Board & Batten Shutter	FL 11967 DWG# 15-047		SHU-161 DWG# 13-052	DWG# 07-254	
Aluminum Bahama Shutter (FPC)	FL 14452-R1 DWG# 15-167				
Aluminum Colonial Shutter (FPC)	FL 14451-R1 DWG# 15-168				
Brickhouse Low Profile Colonial Shutter			Single: SHU-210 Bifold: SHU-212		
Supreme Hurricane Impact System					NOA#12-0829.07

FBC (Non-HVHZ): Meets Florida Building Code for Non-High Velocity Hurricane Zones

FBC (HVHZ): Meets Florida Building Code for High Velocity Hurricane Zones

TDI: Meets Texas Department of Insurance Standards

IBC: Meets International Building Code

IRC: Meets International Residential Code

Miami-Dade NOA: Meets Florida Building Code for High Velocity Hurricane Zones (Dade County)

For specific product approvals and code standards contact your EMS Sales Representative.

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+ See www.hurricanefabric.com for more information

Hurricane 01

01/24/18

2" BERTHA™ ROLL FORM STORM PANEL SYSTEM



Before Installation

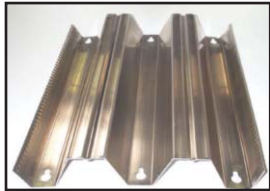
After Installation

2" Panels	Hemmed	Knurled
.050 Aluminum	NC Only	FL, NC
.050 Aluminum - 1/2 panel	N/A	FL, NC
24 Gauge Galv Steel	N/A	FL, NC
24 Gauge Galv Steel - 1/2	N/A	FL



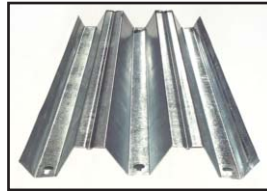
Any item manufactured in FL is available via shuttle to the other branches.
 Any item manufactured in NC is available via shuttle to TX.
 FL • NC • TX maintain inventory of 20' panels that can be offline punched and cut to size.

2" .050 BERTHA™ Aluminum Storm Panel Mill Finish - 1/2 panel available



Code Approved:
 FBC (Non-HVHZ), TDI, IBC/IRC

2" 24-Gauge BERTHA™ Galvanized Steel Panel 1/2 panel available



Code Approved:
 FBC (Non-HVHZ), TDI, IBC/IRC

2" BERTHA™ Clear Panel 1/2 panel available



Code Approved:
 FBC (Non-HVHZ), FBC (HVHZ),
 TDI, IBC/IRC, Miami-Dade

****All panels are available cut-to-length**



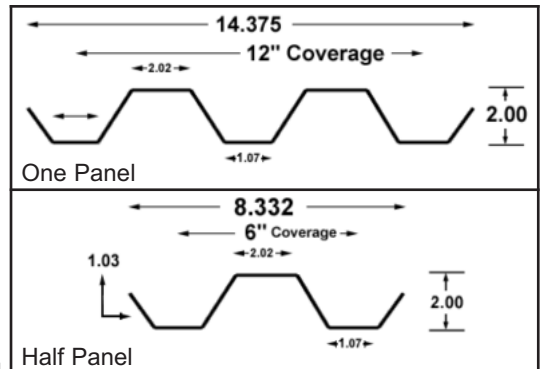
Scan QR Code to View Hurricane Section Online.

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2" Coverage Chart

# of Panels	2" Total Panel Coverage	Cut Mounting Track At:
1	13.375"	14.375"
1.5	19.250"	20.375"
2	25.375"	26.375"
2.5	31.250"	32.375"
3	37.250"	38.375"
3.5	43.125"	44.375"
4	49.375"	50.375"
4.5	55.250"	56.375"
5	61.000"	62.375"
5.5	67.000"	68.375"
6	72.750"	74.375"
6.5	78.625"	80.375"
7	84.625"	86.375"
7.5	90.500"	92.375"
8	96.500"	98.375"
8.5	102.375"	104.375"
9	108.250"	110.375"
9.5	114.250"	116.375"
10	120.125"	122.375"
10.5	126.000"	128.375"
11	132.000"	134.375"
11.5	137.875"	140.375"
12	143.750"	146.375"
12.5	149.625"	152.375"
13	155.750"	158.375"
13.5	161.500"	164.375"
14	167.375"	170.375"
14.5	173.250"	176.375"
15	179.625"	182.375"
15.5	185.500"	188.375"
16	191.500"	194.375"
16.5	197.375"	200.375"
17	203.625"	206.375"
17.5	209.500"	212.375"
18	215.500"	218.375"

2
B
C



Hurricane 02



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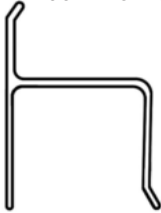
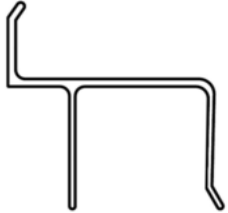
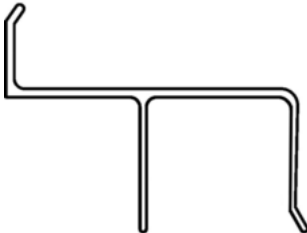


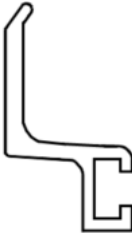
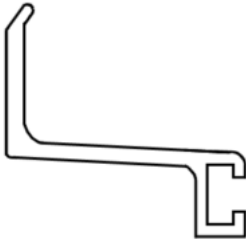
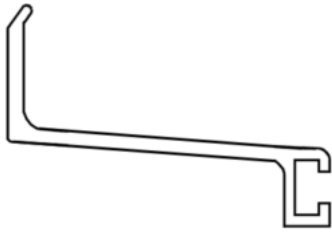
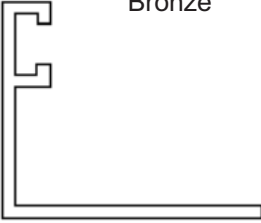
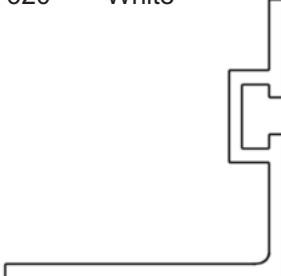
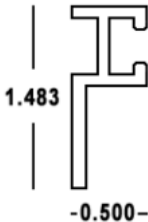
Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Birmingham, AL and Akron, OH

website: www.easternmetal.com

e-mail: info@easternmetal.com

version: 08/13/13

CODE APPROVED BERTHA™ HEADERS: 2" X .094

<p>BERTHA™ U-Header 2" x .094" x 20' 40-WH-4500 White 40-MB-4500 Bronze <u>40-WH-450</u> .062 White Non-Approved <u>40-MB-450</u> .062 Bronze Non-Approved</p> 	<p>BERTHA™ H-Header 2" x .094" x 20' 40-WH-3500 White 40-MB-3500 Bronze <u>40-WH-350</u> .062 White Non-Approved <u>40-MB-350</u> .062 Bronze Non-Approved</p> 	<p>1" Build-Out BERTHA™ Header 2" x .094" x 20' 40-WH-3550 White 40-MB-3550 Bronze</p> 
<p>2" Build-Out BERTHA™ Header 2" x .094" x 20' 40-WH-3560 White 40-MB-3560 Bronze</p> 	<p>3" Build-Out BERTHA™ Header 2" x .094" x 20' 40-WH-3570 White 40-MB-3570 Bronze</p> 	<p>BERTHA™ Studless Flat Track x 20' 40-63-615 (TX) M/F 40-WH-615 White 40-MB-615 Bronze</p> 
<p>BERTHA™ 1" Studless Track x 20' 40-WH-630 White 40-MB-630 Bronze</p> 	<p>BERTHA™ 2" Studless Track x 20' 40-WH-632 White 40-MB-632 Bronze</p> 	<p>BERTHA™ 3" Studless Track x 20' 40-WH-635 White</p> 
<p>BERTHA™ Studless Angle Track x 20' 40-WH-610 White 40-MB-610 Bronze</p> 	<p>BERTHA™ Reverse "F" Track x 20' 40-WH-620 White</p> 	<p>BERTHA™ Stucco F-Track x 20' 1/2" MILL ORDER <u>52-63-5615</u></p> 

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Hurricane 03



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2-1/4" BERTHA™ ROLL FORM STORM PANEL SYSTEM

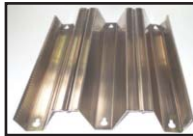
****All panels are available cut-to-length**

2-1/4" Panels	Hemmed	Knurled
.040 Aluminum	N/A	FL
.050 Aluminum	FL	FL
.050 Aluminum - 1/2 panel	N/A	FL
24 Gauge Galv Steel	FL	FL
24 Gauge Galv Steel - 1/2	N/A	FL
.030 Miami Dade Galv Steel	N/A	FL



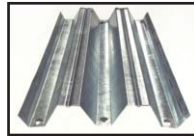
Any item manufactured in FL is available via Shuttle to the other branches.

2-1/4" .040 BERTHA™ Aluminum Storm Panel Mill Finish



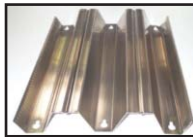
Code Approved:
FBC (Non-HVHZ), IBC/IRC

2-1/4" 24-Gauge BERTHA™ Galvanized Steel Panel 1/2 panel available



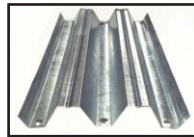
Code Approved:
FBC (Non-HVHZ), IBC/IRC

2-1/4" .050 BERTHA™ Aluminum Storm Panel Mill Finish*/White *1/2 panel available



Code Approved:
FBC (Non-HVHZ), FBC (HVHZ),
TDI, IBC/IRC, Miami-Dade

2-1/4" .030 BERTHA™ Galvanized Steel Panel 1/2 panel available



Code Approved:
FBC (HVHZ)

2-1/4" BERTHA™ Clear Panel



Code Approved:
FBC (Non-HVHZ), TDI, IBC/IRC

2-1/4" ValueGuard Panel x 240" 103-06-240 (NC/TX) White Translucent CLOSEOUT



Code Approved:
FBC (Non-HVHZ), TDI, IBC/IRC

Pre-Cut 2-1/4" Storm Panels

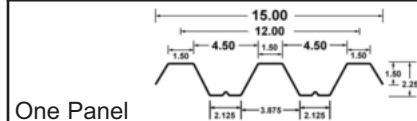
FL: In Stock; NC: Mfg lead time less than 1 week

.040 Aluminum Mill Finish	.050 Aluminum Mill Finish	Clear Panel Polycarbonate
80-40-33 x 33"	77-52-33 x 33"	79-06-33 x 33"
80-40-47 x 47"	77-52-47 x 47"	79-06-47 x 47"
80-40-57 x 57"	77-52-57 x 57"	79-06-57 x 57"
80-40-70 x 70"	77-52-70 x 70"	79-06-70 x 70"
80-40-88 x 88"	77-52-88 x 88"	79-06-88 x 88"
80-40-102 x 102"	77-52-102 x 102"	79-06-102 x 102"

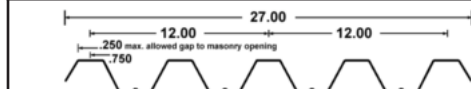
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2-1/4" Coverage Chart

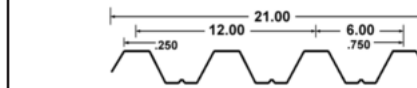
# OF PANELS	TOTAL PANEL COVERAGE	CUT TRACK AT:
1	13.375"	15"
1-1/2	19.250"	21"
2	25.375"	27"
2-1/2	31.250"	33"
3	37.250"	39"
3-1/2	43.125"	45"
4	49.375"	51"
4-1/2	55.250"	57"
5	61.000"	63"
5-1/2	67.000"	69"
6	72.750"	75"
6-1/2	78.625"	81"
7	84.625"	87"
7-1/2	90.500"	93"
8	96.500"	99"
8-1/2	102.375"	105"
9	108.250"	111"
9-1/2	114.250"	117"
10	120.125"	123"
10-1/2	126.000"	129"
11	132.000"	135"
11-1/2	137.875"	141"
12	143.750"	147"
12-1/2	149.625"	153"
13	155.750"	159"
13-1/2	161.500"	165"
14	167.375"	171"
14-1/2	173.250"	177"
15	179.625"	183"
15-1/2	185.500"	189"
16	191.500"	195"
16-1/2	197.375"	201"
17	203.625"	207"
17-1/2	209.500"	213"
18	215.500"	219"



One Panel



Two Panels



One & a Half Panels

Hurricane 04



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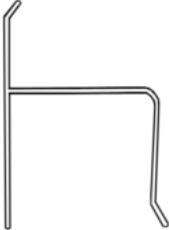
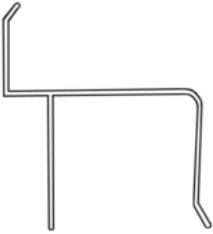
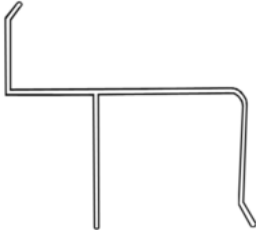
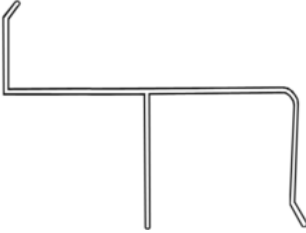


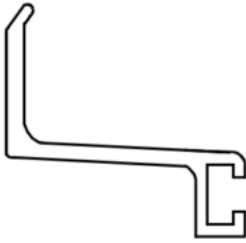
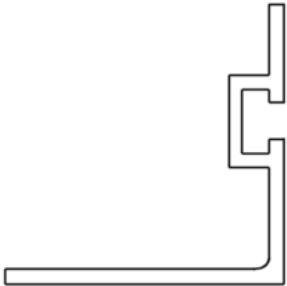
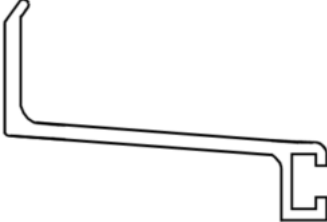
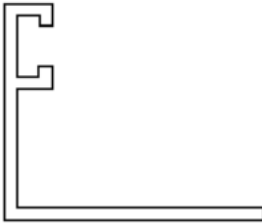
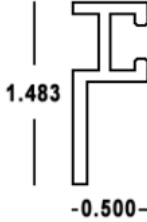
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website: www.easternmetal.com **e-mail:** info@easternmetal.com **version:** 10/11/17

2-1/4" X .075 BERTHA™ CODE APPROVED HEADERS & STUDLESS TRACKS

<p>BERTHA™ U-Header 2-1/4" x .075" x 19' <u>41-WH-510</u> White <u>41-MB-510</u> Bronze</p> 	<p>BERTHA™ H-Header 2-1/4" x .075" x 19' <u>41-WH-500</u> White <u>41-MB-500</u> Bronze</p> <p>Custom Lengths White (FL) <u>41-WH-39</u> x 39" <u>41-WH-51</u> x 51" <u>41-WH-63</u> x 63" <u>41-WH-75</u> x 75" <u>41-WH-87</u> x 87" <u>41-WH-99</u> x 99"</p> 	<p>1" Build-Out BERTHA™ Header 2-1/4" x .075" x 19' <u>41-WH-520</u> White <u>41-MB-520</u> Bronze</p> 
<p>2" Build-Out BERTHA™ Header 2-1/4" x .075" x 19' <u>41-WH-522</u> White</p> 	<p>3" Build-Out BERTHA™ Header 2-1/4" x .075" x 19' <u>41-WH-525</u> White</p> 	<p>BERTHA™ 1" Studless Track x 20' <u>40-WH-630</u> White <u>40-MB-630</u> Bronze</p> 
<p>BERTHA™ Studless Flat Track x 20' <u>40-63-615 (TX)</u> M/F <u>40-WH-615</u> White <u>40-MB-615</u> Bronze</p> 	<p>BERTHA™ 2" Studless Track x 20' <u>40-WH-632</u> White <u>40-MB-632</u> Bronze</p> 	<p>BERTHA™ Reverse "F" Track x 20' <u>40-WH-620</u> White</p> 
<p>BERTHA™ 3" Studless Track x 20' <u>40-WH-635</u> White</p> 	<p>BERTHA™ Studless Angle Track x 20' <u>40-WH-610</u> White <u>40-MB-610</u> Bronze</p> 	<p>BERTHA™ Stucco F-Track x 20' 1/2" MILL ORDER <u>52-63-5615</u></p> 

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Hurricane 05



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Additional Locations: West Palm Beach & Lakeland, FL; Newark, DE; Birmingham, AL and Akron, OH

website: www.easternmetal.com

e-mail: info@easternmetal.com

version: 12/01/16

BERTHA™ STUDDED TRACKS

BERTHA™ Studded Angle

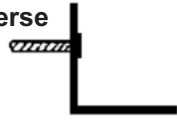
2 x 2 x .093 x 24' 3" 6" on center

Standard:	Finish:	Reverse:
11-MF-500	M/F	N/A
11-WH-500	White	11-WH-500RS
11-MB-500	Bronze	11-MB-500RS

Standard



Reverse

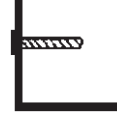


BERTHA™ Studded Angle

2 x 2 x .093 x 24' 3" 12" on center

White; Standard	
11-WH-39	x 39"
11-WH-51	x 51"
11-WH-63	x 63"
11-WH-75	x 75"
11-WH-87	x 87"
11-WH-99	x 99"

Standard



BERTHA™ Studded Angle

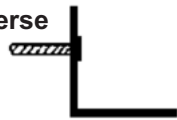
2 x 2 x .093 x 24' 3" 12" on center

Standard:	Finish:	Reverse:
N/A	M/F	SPECIAL ORDER 11-MF-510RS
11-WH-510	White	SPECIAL ORDER 11-WH-510RS
11-MB-510	Bronze	N/A

Standard



Reverse



BERTHA™ Low Profile Studded Angle

1.75 x 5/8 x 24' 3"

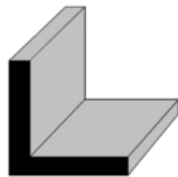
6" on center	
11-WH-455	White
12" on center	
11-WH-460	White



BERTHA™ Standard Angle x 20'

2 x 2 x .093"

51-63-544 (TX)	White
51-63-543	Bronze
52-63-013	Ivory



BERTHA™ Snap Cap x 20' 3"

52-63-8292

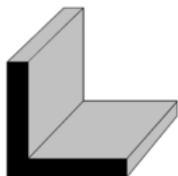


Mates with Studded Plate (below)

BERTHA™ Standard Angle x 20'

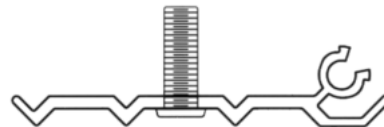
2 x 2 x 1/8"

11-63-315	M/F
11-WH-376	White
11-MB-376	Bronze
11-IV-376	Ivory
11-BG-376	Beige



BERTHA™ Studded Plate x 20' 3"

52-63-8291	non studded
52-WH-8291	6" on center
MILL ORDER 52-WH-8295 (FL)	12" on center



Mates with Snap Cap (above)

Hurricane 06

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version: 08/15/16