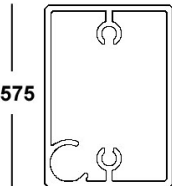
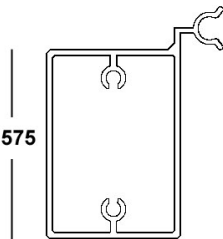
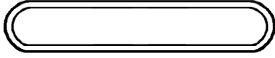
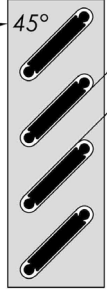
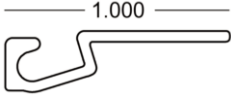


HIGH VISIBILITY™ BAHAMA/COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ)

Bahama/Colonial Hollow Blade x 16' Mill Finish 80-MF-013 uses #14 screw  2.000	HV™ Bahama/Colonial Horizontal Frame x 20' 41-63-819 Mill Finish  2.575 1.820	HV™ Bahama Horizontal Frame x 20' 41-63-826 Mill Finish  2.575 1.820	2.33 x 2 HV™ Bahama/Colonial Center Mullion x 12' Mill Finish Punched 41-63-818P 2" Blade (shown) 41-63-818PA 2-1/8" Airfoil 			
Bahama Decorative Blade x 16' Mill Finish 41-63-830 (Non-Impact)  2.000						
Colonial Decorative Blade x 16' Mill Finish 41-63-835 (Non-Impact)  2.000 1.250	 45° .597 High Visibility 2" Blade Typical Angularity & Spacing	2.33 x 2 HV™ Bahama/Colonial Side Frame x 20' 7" Mill Finish 41-63-823L (Punched-Left) 41-63-823R (Punched-Right) 	2.33 x 2" HV™ Bahama/Colonial Air Foil Side Frame x 20' 7" SPECIAL ORDER (Mill Finish) Accepts 2-1/8" Airfoil Blade 56-63-200 41-63-823LA (Punched-Left) 41-63-823RA (Punched-Right) 			
2-1/8" Bahama/Colonial Air Foil Blade x 16' Mill Finish 56-63-200 uses #14 screw  2.125 0.625	18/14 Charcoal Screen 100' Rolls 200-CC-025 36" 200-CC-024 60" 200-CC-026 72" 200-CC-027 78" 200-CC-028 84" 200-CC-034 90" 200-CC-029 96" 200-CC-023 102" 200-CC-030 108"	Flat Spline Roller 200-SR-10 	HV™ Colonial Wood Hinge 2" 41-63-843 Wall Mount 1 pc Mill Finish 	HV™ Colonial Concrete Hinge 2" 41-63-844 Wall Mount 1 pc Mill Finish 	HV™ Colonial Flat Hinge 2" 41-63-845 Wall Mount 1 pc Mill Finish 	HV™ Colonial Storm Bar Clip Shutter Mount 1pc 41-63-840 Mill Finish 41-63-840WH White 41-63-840BK Black 41-63-840MB Bronze 
Bahama/Colonial Screen Frame x 12' Mill Finish 41-63-859 with Spline Groove  1.000 .268						

High Visibility Bahama Colonial coverage chart - Additional heights available upon request.

visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"
1	6-7/8	18	30-1/4	35	53-5/8	52	77	69	100-3/8	86	123-3/4
2	8-1/4	19	31-5/8	36	55	53	78-3/8	70	101-3/4	87	125-1/8
3	9-5/8	20	33	37	56-3/8	54	79-3/4	71	103-1/8	88	126-1/2
4	11	21	34-3/8	38	57-3/4	55	81-1/8	72	104-1/2	89	127-7/8
5	12-3/8	22	35-3/4	39	59-1/8	56	82-1/2	73	105-7/8	90	129-1/4
6	13-3/4	23	37-1/8	40	60-1/2	57	83-7/8	74	107-1/4	91	130-5/8
7	15-1/8	24	38-1/2	41	61-7/8	58	85-1/4	75	108-5/8	92	132
8	16-1/2	25	39-7/8	42	63-1/4	59	86-5/8	76	110	93	133-3/8
9	17-7/8	26	41-1/4	43	64-5/8	60	88	77	111-3/8	94	134-3/4
10	19-1/4	27	42-5/8	44	66	61	89-3/8	78	112-3/4	95	136-1/8
11	20-5/8	28	44	45	67-3/8	62	90-3/4	79	114-1/8	96	137-1/2
12	22	29	45-3/8	46	68-3/4	63	92-1/8	80	115-1/2	97	138-7/8
13	23-3/8	30	46-3/4	47	70-1/8	64	93-1/2	81	116-7/8	98	140-1/4
14	24-3/4	31	48-1/8	48	71-1/2	65	94-7/8	82	118-1/4		
15	26-1/8	32	49-1/2	49	72-7/8	66	96-1/4	83	119-5/8		
16	27-1/2	33	50-7/8	50	74-1/4	67	97-5/8	84	121		
17	28-7/8	34	52-1/4	51	75-5/8	68	99	85	122-3/8		



EASTERN METAL SUPPLY

FL: 800-432-2204 • NC/DE/GA: 800-343-8154 • TX/LA: 800-996-6061 • MO/OH/IN: 888-822-6061

HURRICANE 41
09/13/22

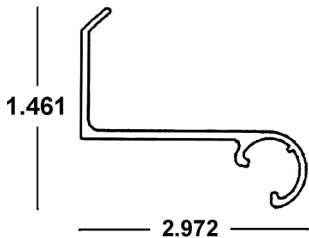
www.easternmetal.com



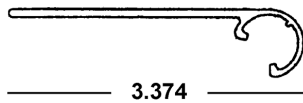
HIGH VISIBILITY™ BAHAMA/COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ)

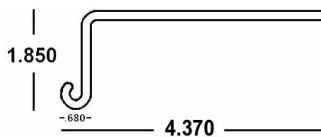
HV™ Female Bahama Hinge x 20'
41-63-836 Mill Finish



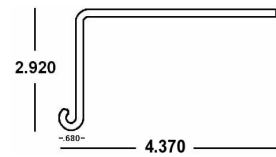
Bahama Female Flat Hinge x 20'
41-63-805 Mill Finish
6 pcs Ceiling Mount



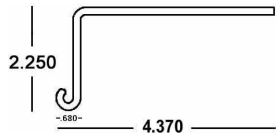
Colonial Single Hinge x 12'
Mill Finish 6 pcs
41-63-816 Wall Mount
Mates with 41-63-824N



Colonial Double Hinge x 12'
Mill Finish 4 pcs; Wall Mount
41-63-813 Mates with 41-63-824N

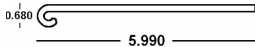


2.25 Colonial Double Hinge x 12'
Mill Finish 4 pcs; Wall Mount
52-61-4146 Mates with 41-63-824N



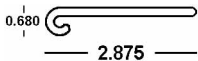
Colonial Flat Hinge x 12' Wall Mount

Mill Finish 6 pcs
41-63-811
Mates with 41-63-824N



Colonial Flat Hinge x 12' Shutter Mount

Mill Finish 6 pcs
41-63-824N
Mates with 41-63-816, 41-63-813, 41-63-811, 41-63-824N



HV™ Bahama Hold Down Bracket 4"
WOOD Wall Mount Storm Bar Clips

Set: 1 pc right & 1 pc left
41-63-841 Mill Finish
41-63-841WH White
41-63-841BK Black
41-63-841MB Bronze



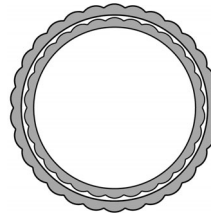
HV™ Bahama Hold Down Bracket 4"
CONCRETE Wall Mount Storm Bar Clips

1 pc
41-63-842 Mill Finish
41-63-842WH White
41-63-842BK Black
41-63-842MB Bronze



Telescoping Serrated Tube x 20'

Mill Finish
52-63-537 .875"
26 pcs
51-63-381 1.000"
32 pcs

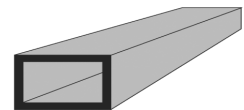


1 x 2 x 1/8 Storm Bar x 24'

20-63-225 Mill Finish
20-WH-231 White
20-MB-231 Bronze
20-IV-231 Ivory
20-BG-231 Beige

1 x 3 x 1/8 Storm Bar x 24'

20-63-230 Mill Finish
20-WH-230 White
20-IV-230 Ivory
20-BG-230 Beige



1 x 3 x 1/8 x 24' Radius Corner
Stock Also Available:
20-63-689 (NC/TX) Mill Finish

1" SLIP COLLAR WITH THUMB SCREW

Accepts 1" Serrated Tube for Telescoping Arms

7000 (FL/TX) Mill Finish x 9/16"
7000WH White x 9/16"
7000BK Black x 9/16"
7000MB Bronze x 9/16"
52-00-139 (TX) Mill Finish x 9/16" (No Thumbscrew)
MILL ORDER 52-63-2484 Mill Finish x 20" (No Thumbscrew)

41014 (TX) 1/4-20 x 3/4 Thumbscrew (mates with 52-00-139)
41021 (TX) 1/4-20 x 1 Thumbscrew (mates with 52-00-139)



CAMEL BACK CLIP WITH PIN

7001 Mill Finish
7001WH White
7001BK Black
7001MB Bronze



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HV™ Bahama Telescoping Arm Kit

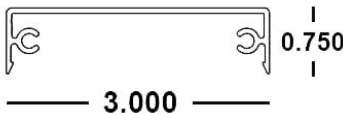
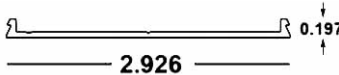
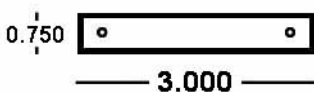
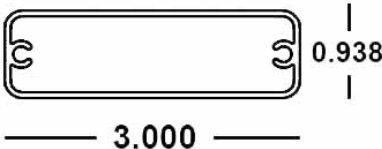
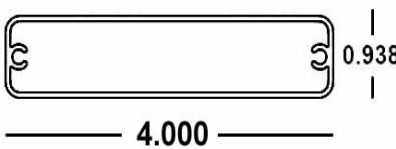
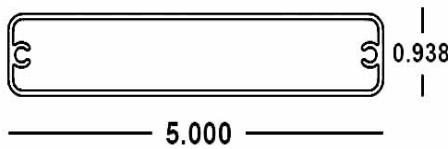
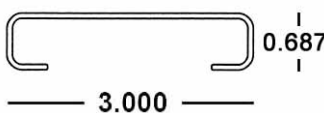
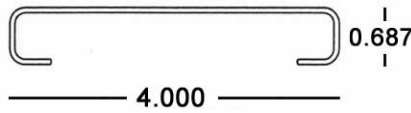
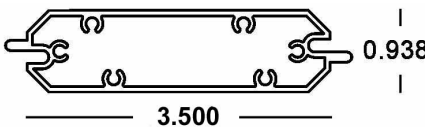
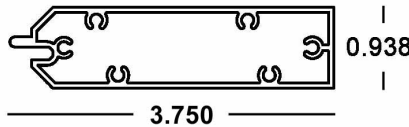
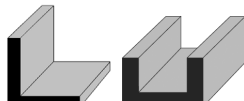
Kit includes 2 Tubes, Slip Collar, Camel Back, Cap and U-Clip.
(Approximate Max Extended Length shown in parenthesis)

Code	Arm Size (Extended) Finish	Code	Arm Size (Extended) Finish
7002K	12" (23") MF	7017K	30" (59") MF
7002KWH	12" (23") White	7017KWH	30" (59") White
7002KBK	12" (23") Black	7017KBK	30" (59") Black
7002KMB	12" (23") Bronze	7017KMB	30" (59") Bronze
7003K	18" (35") MF	7018K	36" (71") MF
7003KWH	18" (35") White	7018KWH	36" (71") White
7003KBK	18" (35") Black	7018KBK	36" (71") Black
7003KMB	18" (35") Bronze	7018KMB	36" (71") Bronze
7004K	24" (47") MF		
7004KWH	24" (47") White		
7004KBK (FL/TX)	24" (47") Black		
7004KMB	24" (47") Bronze		



HV™ BOARD & BATTEN COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ)

HV™ Board & Batten Snap Channel x 12' 40-63-721 6063 T6 M/F 	HV™ Board & Batten Snap Cap x 12' 40-63-720 6063 T6 M/F 	HV™ Board & Batten End Cap - Flat Bar 40-63-726 3/4 x 3 x .062' (with holes) - 6063 T52 M/F 		
HV™ Board & Batten 3" Radius Tube x 24' 40-63-722 6063 T6 M/F 	HV™ Board & Batten 4" Radius Tube x 24' 40-63-724 6063 T6 M/F 	HV™ Board & Batten 5" Radius Tube x 24' 40-63-723 6063 T6 M/F 		
	3" Decorative Slat x 24' Board & Batten 8736-001 (TX) Mill Finish  Non-Rated	4" Decorative Slat x 24' Board & Batten 8736-002 (TX) Mill Finish  Non-Rated		
	3.5" Tongue & Groove Slat x 24' 40-63-727 6063 T6 M/F  Non-Rated	Tongue & Groove End Slat x 24' 40-63-728 6063 T6 M/F  Non-Rated		
2" Concrete Hinge 41-63-847 1pc 6063 T6 M/F 	2" Wood Hinge 41-63-848 1pc 6063 T6 M/F 	2" Flat Hinge 41-63-846 (4 Holes) 41-63-849 (5.99 x 2 Holes) 1pc 6063 T6 M/F 	2" Bi-Fold Hinge 41-63-844 1pc 6063 T6 M/F 	Board Cover Cap - Architectural Angle x 20' 11-63-220 1 x 1 x 1/16 End Cap - Architectural Channel x 20' 13-63-230 1-1/4 x 1-1/4 x 1/8 

BERTHA™ IMPACT RATED EXTRUDED BAHAMA/COLONIAL SYSTEM

Code Approvals: FBC (non-HVHZ), FBC (HVHZ)

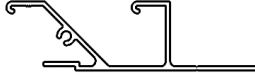
Colonial/Bahama Blade x 12'6"

41-63-799N M/F (Non-Vented)
41-63-800N M/F (Vented)
Both mate with 41-1/2-799N
6 pcs



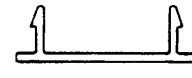
Colonial/Bahama Top Half Blade x 12'6"

41-1/2-799N
Mill Finish *Mates with 41-63-799N and 41-63-800N*



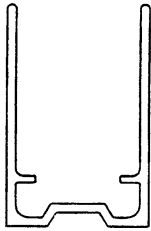
Bahama Snap Cap x 20'

41-63-808 Mill Finish 20 pcs



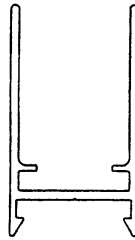
Colonial Frame x 20'

41-63-802 Mill Finish
6 pcs



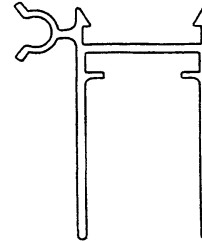
Colonial/Bahama Frame x 20'

41-63-806 Mill Finish
8 pcs



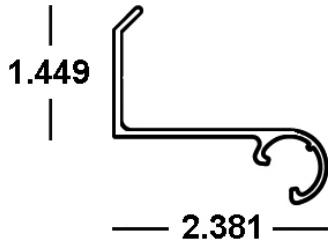
Hinged Bahama Top Frame x 20'

41-63-807 Mill Finish
4 pcs



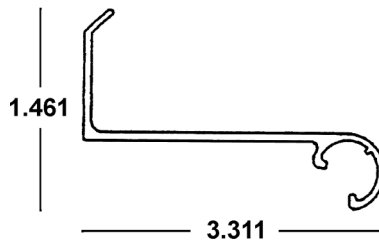
Female Bahama Hinge x 20'

41-63-803 Mill Finish



3.311 Female Bahama Hinge x 20'

41-63-804 Mill Finish



HV™ Bahama Telescoping Arm Kit

Kit includes 2 Tubes, Slip Collar, Camel Back, Cap and U-Clip.
(Approximate Max Extended Length shown in parenthesis)

Code	Arm Size (Extended) Finish
7002K	12" (23") MF
7002KWH	12" (23") White
7002KBK	12" (23") Black
7002KMB	12" (23") Bronze
7003K	18" (35") MF
7003KWH	18" (35") White
7003KBK	18" (35") Black
7003KMB	18" (35") Bronze
7004K	24" (47") MF
7004KWH	24" (47") White
7004KBK	24" (47") Black
7004KMB	24" (47") Bronze

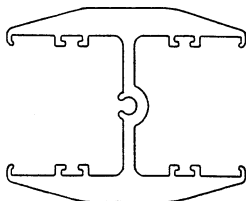
7017K	30" (59") MF
7017KWH	30" (59") White
7017KBK	30" (59") Black
7017KMB	30" (59") Bronze

7018K	36" (71") MF
7018KWH	36" (71") White
7018KBK	36" (71") Black
7018KMB	36" (71") Bronze



Standard Center Mullion x 20'

41-63-809 Mill Finish
3 pcs

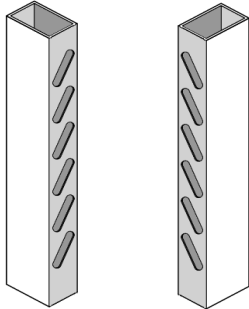


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BRICKHOUSE LOW PROFILE BAHAMA/COLONIAL SYSTEM

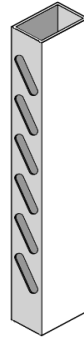
1.46 x 2.25 Brickhouse Low Profile Side Rail x 20'

Mill Finish
20-63-805L (TX) Left Side Punched
20-63-805R (TX) Right Side Punched
Left Side Right Side



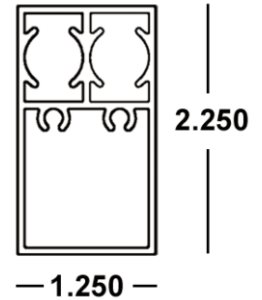
1.46 x 2.25 Brickhouse Low Profile Center Mullion x 20'

20-63-805M (TX) Mill Finish
Both Sides Punched



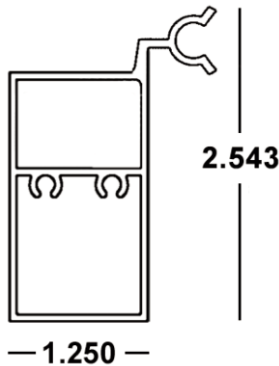
Brickhouse Low Profile Top/Bottom Rail

41-63-839 (TX) x 20' Mill Finish
41-63-832 x 20' 3" Mill Finish



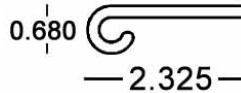
Brickhouse Low Profile Bahama Top Rail w/Hinge x 20'

41-63-849 (TX) Mill Finish



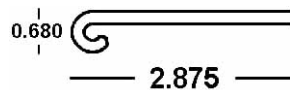
Brickhouse Low Profile Colonial Flat Hinge x 12'

41-63-824 (TX) Mill Finish
For Bi-Fold Application



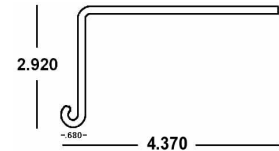
Colonial Flat Hinge x 12'

41-63-824N Shutter to House Mount
Mill Finish
Mates with 41-63-813, 41-63-824N



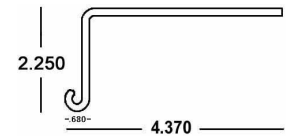
Colonial Double Hinge x 12'

Mill Finish 4 pcs; Wall Mount
41-63-813 Mates with 41-63-824N



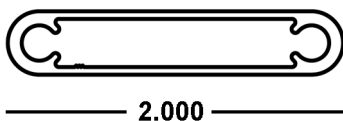
2.25 Colonial Double Hinge x 12'

Mill Finish 4 pcs; Wall Mount
52-61-4146 Mates with 41-63-824N



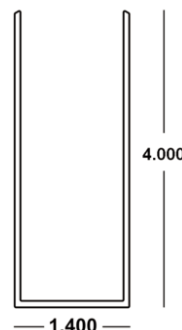
Brickhouse Low Profile Blade x 16'

80-MF-013 Mill Finish



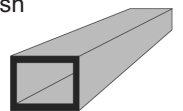
Brickhouse Low Profile 4" New Orleans Style Center Mullion x 21'

MILL ORDER 41-63-863
For Non-Impact Decorative
Applications Only



Brickhouse Low Profile Colonial Storm Bar x 24'

1 x 2 x 1/8 Rect Bar x 24'
20-63-225 Mill Finish
20-WH-231 White
20-MB-231 Bronze
20-IV-231 Ivory
20-BG-231 Beige



HV™ Colonial Storm Bar Clip

1pc/Shutter Mount
41-63-840 Mill Finish
41-63-840WH White
41-63-840BK Black
41-63-840MB Bronze



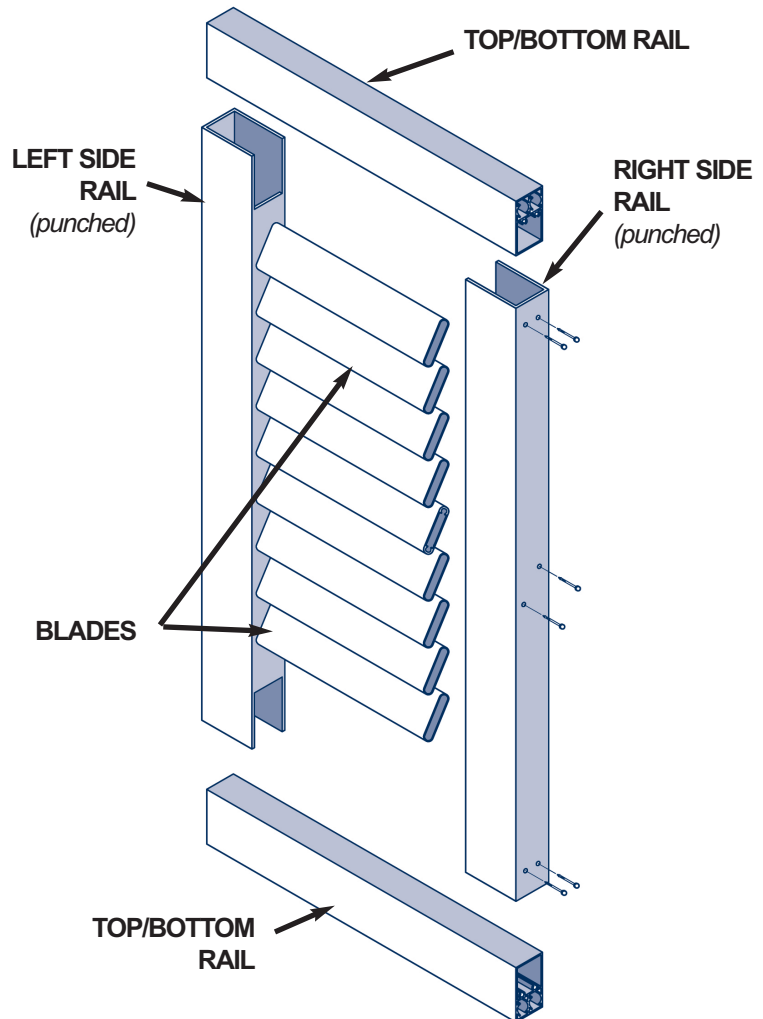
BRICKHOUSE LOW PROFILE BAHAMA/COLONIAL SYSTEM

FEATURES & BENEFITS:

- Colonial application tested to ASTM E 330, E 1886 & E 1996 Protocols and passed the Large Missile Impact Test as well as +/- 60 psf for both the Design and Static Load Testing.
- Colonial application meets or exceeds standards for TDI (engineered drawings available).
- Offers the appearance of a more decorative, thin-lined traditional shutter.
- Increase LEED Rating of your "Green" Project
- Cost effective for commercial applications
- New pre-fabbed side rails & mullions eliminate need to mechanically fasten the blades, resulting in labor reduction of over 50% compared to traditional Colonial shutter assemblies
- Easy & Fast mechanical frame fastening assembly resulting in a functional product
- Provided in mill finish to allow the fabricator the flexibility to match colors to the building design after assembly
- Upscale look providing a durable product for years to come with little maintenance

Colonial Schematic

(Bahama not shown)



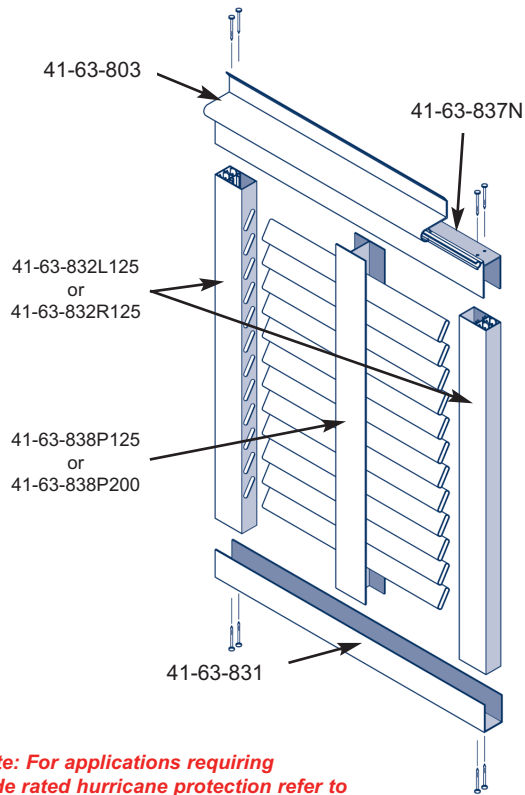
Brickhouse Low Profile Bahama Colonial coverage chart - Additional heights available upon request.

visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"	visible blades	finished height"
9	21 1/2	20	40 1/8	31	58 11/16	42	77 5/16	53	95 15/16
10	23 3/16	21	41 13/16	32	60 3/8	43	79	54	97 5/8
11	24 7/8	22	43 1/2	33	62 1/8	44	80 11/16	55	99 19/64
12	26 9/16	23	45 3/16	34	63 13/16	45	82 3/8	56	100
13	28 1/4	24	46 7/8	35	65 1/2	46	84 1/16	57	102 11/16
14	29 15/16	25	48 9/16	36	67 3/16	47	85 3/4	58	104 3/8
15	31 5/8	26	50 1/4	37	68 7/8	48	87 7/16	59	106 1/16
16	33 3/8	27	51 15/16	38	70 9/16	49	89 1/8	60	107 3/4
17	35 1/16	28	53 5/8	39	72 1/4	50	90 13/16	61	109 7/16
18	36 3/4	29	55 5/16	40	73 15/16	51	92 9/16		
19	38 7/16	30	57	41	75 5/8	52	94 1/4		

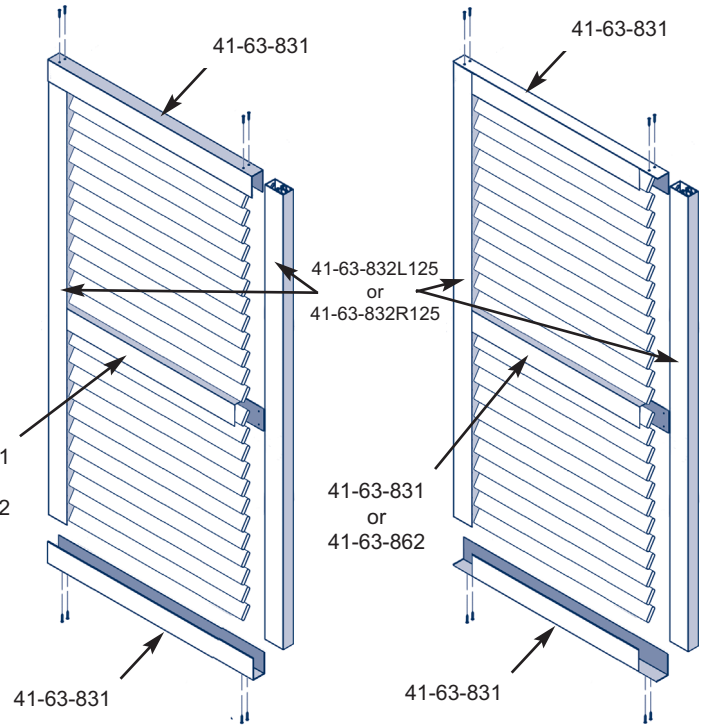
HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL SYSTEMS*

*Currently available for decorative applications

HV Low Profile Bahama Schematic (Exterior View)

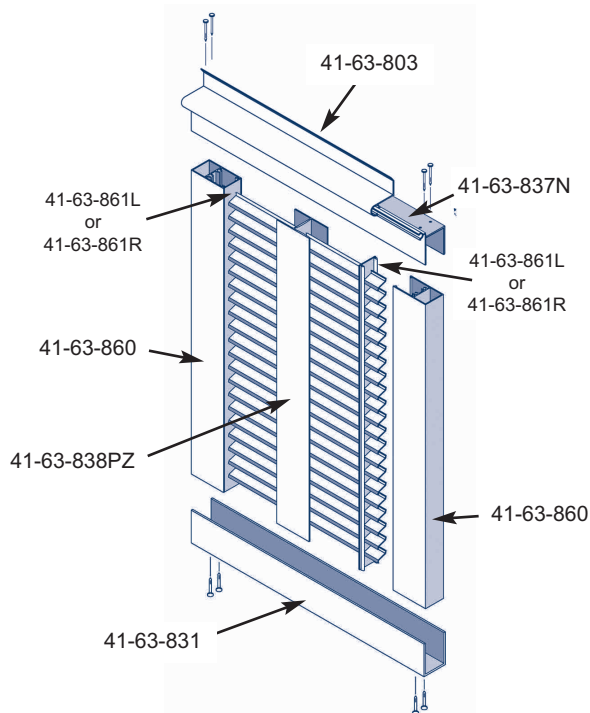


Note: For applications requiring code rated hurricane protection refer to EMS High Visibility Bahama/Colonial product.

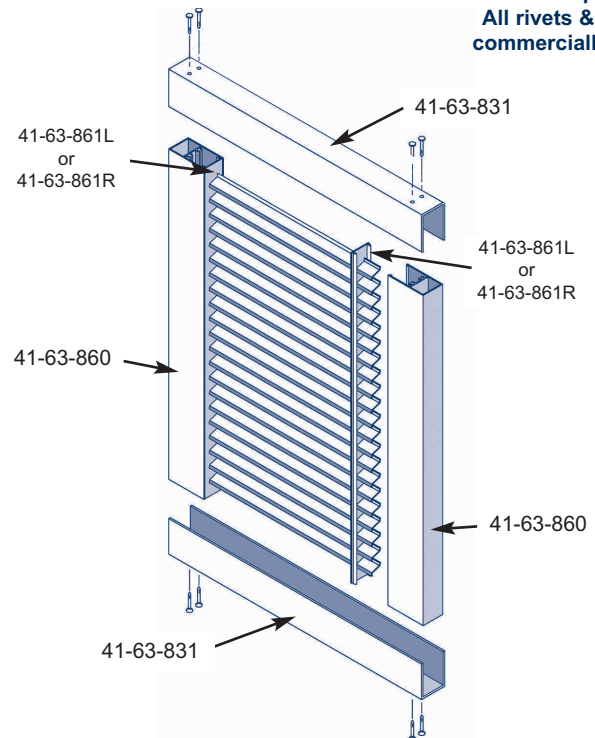


HV Low Profile Colonial Schematics (Exterior Views)

HV Low Profile Z-Blade System Schematic



Decorative Bahama Application (Exterior View)

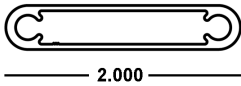
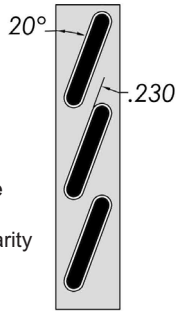
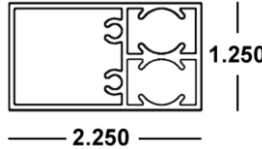
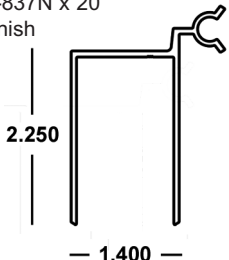
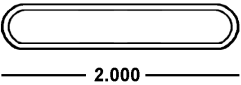
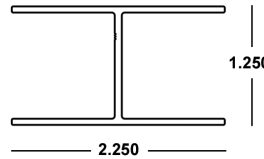
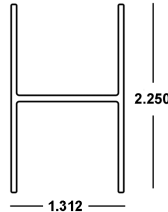
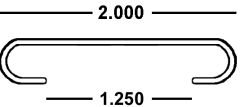
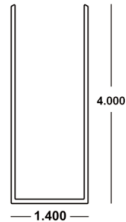
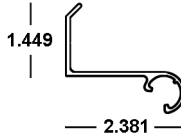
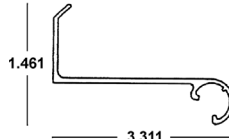
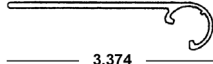


Decorative Colonial Application (Exterior View)

Decorative Engineering available upon request. All rivets & screws are commercially available.

2" LOW PROFILE DECORATIVE BAHAMA/COLONIAL SYSTEM*

*Currently available for decorative applications

2" Bahama/Colonial Hollow Blade x 16' 80-MF-013 Mill Finish Uses #14 screw 	 Low Profile 2" Blade Typical Angularity & Spacing	Low Profile Side Frame x 20' 3" 41-63-832 UNPUNCHED 41-63-832L200 PUNCHED Left* 41-63-832R200 PUNCHED Right* Mill Finish *Punched for 2" Blades 	LOW PROFILE MALE BAHAMA FRAME HINGE 41-63-837N x 20' Mill Finish 	
2" Bahama Decorative Blade x 16' (Non-Impact) 41-63-830 Mill Finish 	Low Profile Horizontal Frame x 21' 41-63-831 Mill Finish <i>Can be used as Bottom Frame & Center Mullion; Colonial Top Frame</i> 	Low Profile Bahama Vertical Center Mullion x 20' 3" 41-63-838 UNPUNCHED 41-63-838P200 PUNCHED* Mill Finish *Punched for 2" Blades 	Low Profile Colonial Horizontal Rail x 16' 2" Mill Finish 41-63-862 <i>Horizontal Rail for Colonials</i> 	
2" Colonial Decorative Blade x 16' (Non-Impact) 41-63-835 Mill Finish 	Alternate New Orleans Style 4" Bottom Rail Colonial Applications MILL ORDER <u>41-63-863</u> 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

2" Low Profile Bahama Colonial coverage chart

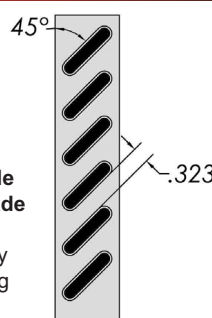
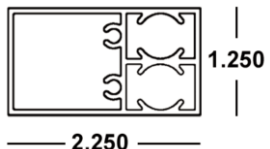
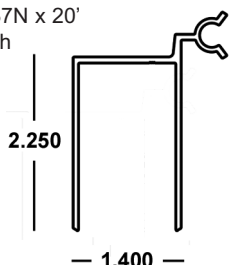
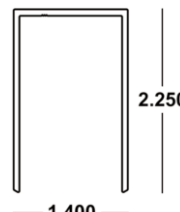
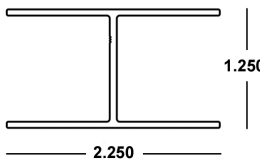
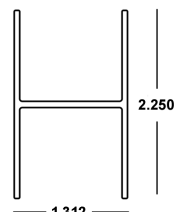
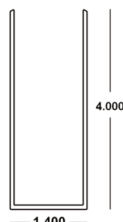
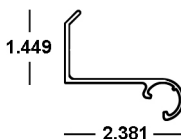
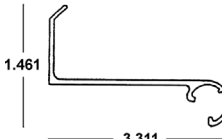
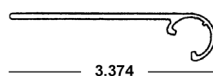
Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
4	6	11-3/4	17	19	35-1/4	30	32	58-13/16	43	45	82-5/16
5	7	13-9/16	18	20	37-1/16	31	33	60-5/8	44	46	84-1/8
6	8	15-3/8	19	21	38-7/8	32	34	62-7/16	45	47	85-15/16
7	9	17-3/16	20	22	40-11/16	33	35	64-1/4	46	48	87-3/4
8	10	19	21	23	42-1/2	34	36	66-1/16	47	49	89-9/16
9	11	20-13/16	22	24	44-5/16	35	37	67-7/8	48	50	91-3/8
10	12	22-5/8	23	25	46-1/8	36	38	69-11/16	49	51	93-3/16
11	13	24-7/16	24	26	47-15/16	37	39	71-1/2	50	52	95
12	14	26-1/4	25	27	49-3/4	38	40	73-1/4	51	53	96-13/16
13	15	28	26	28	51-9/16	39	41	75-1/16	52	54	98-5/8
14	16	29-13/16	27	29	53-3/8	40	42	76-7/8			
15	17	31-5/8	28	30	55-3/16	41	43	78-11/16			
16	18	33-7/16	29	31	57	42	44	80-1/2			

1-1/4" HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL SYSTEM*

*Currently available for decorative applications

1-1/4" HV LOW PROFILE BLADE x 12' 41-63-834 Mill Finish 	45° Low Profile 1-1/4" Blade Typical Angularity & Spacing 	HV LOW PROFILE SIDE FRAME x 20' 3" 41-63-832 UNPUNCHED 41-63-832L125 PUNCHED Left* 41-63-832R125 PUNCHED Right* Mill Finish *Punched for 1-1/4" Blades 	HV LOW PROFILE MALE BAHAMA HINGE 41-63-837N x 20' Mill Finish 
Low Profile Horizontal Frame x 21' 41-63-831 Mill Finish <i>Can be used as Bottom Frame & Center Mullion; Colonial Top Frame</i> 	HV LOW PROFILE BAHAMA VERTICAL CENTER MULLION x 20' 3" 41-63-838 UNPUNCHED 41-63-838P125 PUNCHED* Mill Finish *Punched for 1-1/4" Blades 	HV LOW PROFILE COLONIAL HORIZONTAL RAIL x 16' 2" 41-63-862 Mill Finish <i>Horizontal Rail for Colonials</i> 	
Alternate New Orleans Style 4" Bottom Rail Colonial Applications MILL ORDER 41-63-863 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

1-1/4" Low Profile Bahama Colonial coverage chart

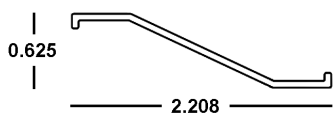
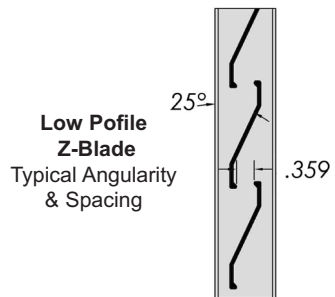
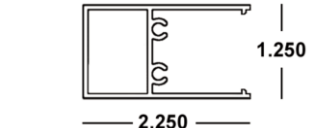
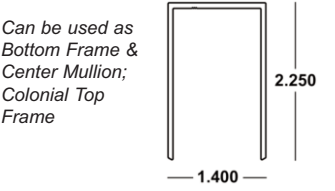
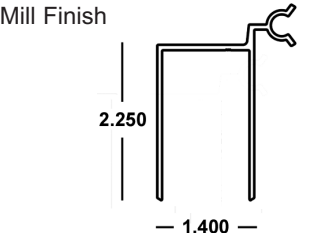
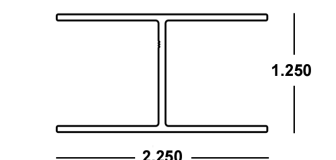
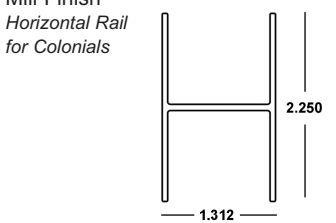
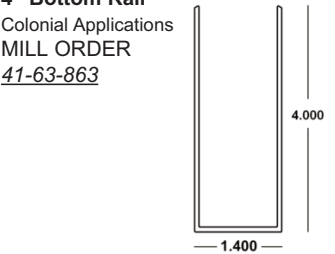
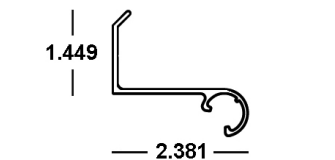
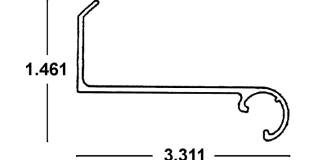
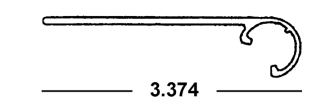
Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
18	22	20-3/8	30	34	30-15/16	42	46	41-9/16	54	58	52-1/8
19	23	21-1/4	31	35	31-13/16	43	47	42-7/16	55	59	53
20	24	22-1/8	32	36	32-3/4	44	48	43-5/16	56	60	53-7/8
21	25	23	33	37	33-5/8	45	49	44-3/16	57	61	54-3/4
22	26	23-7/8	34	38	34-1/2	46	50	45-1/16	58	62	55-5/8
23	27	24-13/16	35	39	35-3/8	47	51	45-15/16	59	63	56-9/16
24	28	25-11/16	36	40	36-1/4	48	52	46-13/16	60	64	57-7/16
25	29	26-9/16	37	41	37-1/8	49	53	47-11/16	61	65	58-5/16
26	30	27-7/16	38	42	38	50	54	48-5/8	62	66	59-3/16
27	31	28-5/16	39	43	38-7/8	51	55	49-1/2	63	67	60-1/16
28	32	29-3/16	40	44	39-3/4	52	56	50-3/8			
29	33	30-1/16	41	45	40-11/16	53	57	51-1/4			

HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL Z-BLADE SYSTEM*

*Currently available for decorative applications

HV LOW PROFILE Z-BLADE x 12' 2" 52-63-060 Mill Finish for Z-Blade System 	Low Profile Z-Blade Typical Angularity & Spacing 	HV LOW PROFILE VERTICAL FRAME WITH SNAP x 16' 2" 41-63-860 Mill Finish Mates with 41-63-861R/L for Z-Blade System 	HV LOW PROFILE Z - SNAP PLATE x 16' 2" Mill Finish Mates with 41-63-860 41-63-861R PUNCHED* Right 41-63-861L PUNCHED* Left *Punched to accept Z-Blade 
HV LOW PROFILE HORIZONTAL FRAME x 21' 41-63-831 Mill Finish <i>Can be used as Bottom Frame & Center Mullion; Colonial Top Frame</i> 	HV LOW PROFILE MALE BAHAMA HINGE x 20' 41-63-837N Mill Finish 	HV LOW PROFILE BAHAMA VERTICAL CENTER MULLION x 20' 3" 41-63-838 UNPUNCHED 41-63-838PZ PUNCHED* Mill Finish *Punched to accept Z-Blade 	HV LOW PROFILE COLONIAL HORIZONTAL RAIL x 16' 2" 41-63-862 Mill Finish <i>Horizontal Rail for Colonials</i> 
Alternate New Orleans Style 4" Bottom Rail Colonial Applications MILL ORDER 41-63-863 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

Low Profile Bahama Colonial Z-BLADE coverage chart

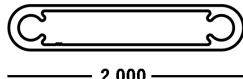
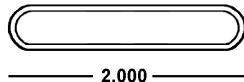
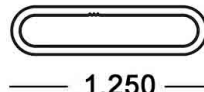
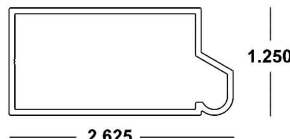
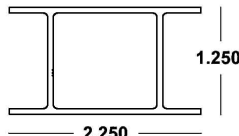
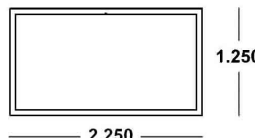
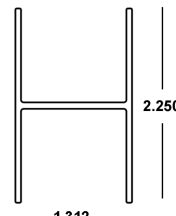
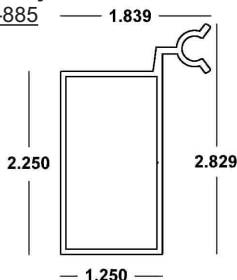
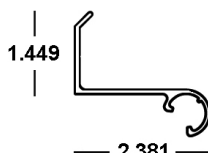
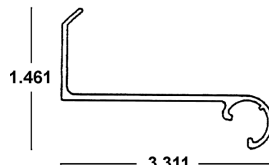
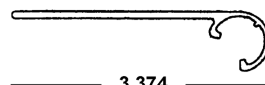
Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
11	13	27-7/16	26	28	58-11/16	41	43	89-7/8	56	58	121-1/8
12	14	29-1/2	27	29	60-3/4	42	44	92	57	59	123-1/4
13	15	31-9/16	28	30	62-3/16	43	45	94-5/8	58	60	125-3/8
14	16	33-11/16	29	31	64-15/16	44	46	96-1/8	59	61	127-3/8
15	17	35-3/4	30	32	67	45	47	98-1/4	60	62	129-1/2
16	18	37-3/16	31	33	69-1/16	46	48	100-5/16	61	63	131-5/8
17	19	39-15/16	32	34	71-1/8	47	49	102-3/8	62	64	133-5/8
18	20	42	33	35	73-1/4	48	50	104-1/2	63	65	135-3/4
19	21	44-1/16	34	36	75-5/16	49	51	106-5/8	64	66	137-3/4
20	22	46-3/16	35	37	77-3/8	50	52	108-5/8	65	67	139-7/8
21	23	48-1/4	36	38	79-1/2	51	53	110-3/4	66	68	142
22	24	50-5/16	37	39	81-9/16	52	54	112-7/8	67	69	144
23	25	52-7/16	38	40	83-5/8	53	55	114-7/8			
24	26	54-1/2	39	41	85-3/4	54	56	117			
25	27	56-9/16	40	42	87-13/16	55	57	119-1/8			

HV LOW PROFILE DECORATIVE BAHAMA/COLONIAL WELDED SYSTEM*

*Currently available for decorative applications

2" Bahama/Colonial Hollow Blade x 16' Uses #14 screw Mill Finish 80-MF-013 	2" Bahama Decorative Blade x 16' Non-Impact Mill Finish 41-63-830 	1.25 HV Low Profile Blade x 12' 41-63-834 Mill Finish <i>*Special Mill Order Frame Required - Call your Sales Representative for Coverage Chart</i> 	
Self Mating Colonial Inside Frame x 20' 3" Welded System 41-63-880 UNPUNCHED 41-63-880R PUNCHED Right 41-63-880L PUNCHED Left 	Center Mullion x 12' Welded System 41-63-888 UNPUNCHED 41-63-888P PUNCHED 	Side & Bottom Frame x 20' Welded System 41-63-883 UNPUNCHED 41-63-883R PUNCHED Right 41-63-883L PUNCHED Left <i>Can also be used as a top frame in Colonial applications</i> 	HV LOW PROFILE COLONIAL HORIZONTAL RAIL x 16' 2" 41-63-862 Mill Finish <i>Horizontal Rail for Colonials</i> 
Bahama Top Frame with Hinge x 20' Welded System 41-63-885 1.839 	BAHAMA FEMALE HINGE x 20' 41-63-803 Mill Finish 6 pcs 	1" BUILD-OUT BAHAMA FEMALE HINGE x 20' 41-63-804 Mill Finish 6 pcs 	BAHAMA FEMALE FLAT HINGE x 20' 41-63-805 Mill Finish 6 pcs 

WELDED Low Profile Bahama Colonial coverage chart

Additional heights available upon request. Blades continue inside top & bottom channel.

For Hinges & Components
see Hurricane pp 53-54

visible blades	total blades	finished height"	visible blades	total blades	finished height"	visible blades	total blades	finished height"
11		24-7/16	21		42-9/16	31		60-11/16
12		26-1/4	22		44-3/8	32		62-1/2
13		28-1/16	23		46-3/16	33		64-5/16
14		29-7/8	24		48	34		66-1/8
15		31-11/16	25		49-13/16	35		67-15/16
16		33-1/2	26		51-5/8	36		69-3/4
17		35-5/16	27		53-7/16	37		71-9/16
18		37-1/8	28		55-1/4	38		73-3/8
19		38-15/16	29		57-1/16	39		75-3/16
20		40-3/4	30		58-7/8	40		77

2" 3-WAVE BLADE DECORATIVE BAHAMA/COLONIAL SYSTEM*

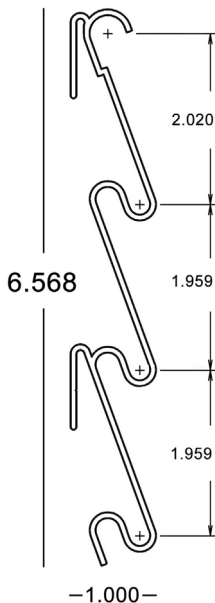
*Currently available for decorative applications

2" 3-Wave Blade x 12'

41-63-700

Self Mating

Mill Finish 6063-T6



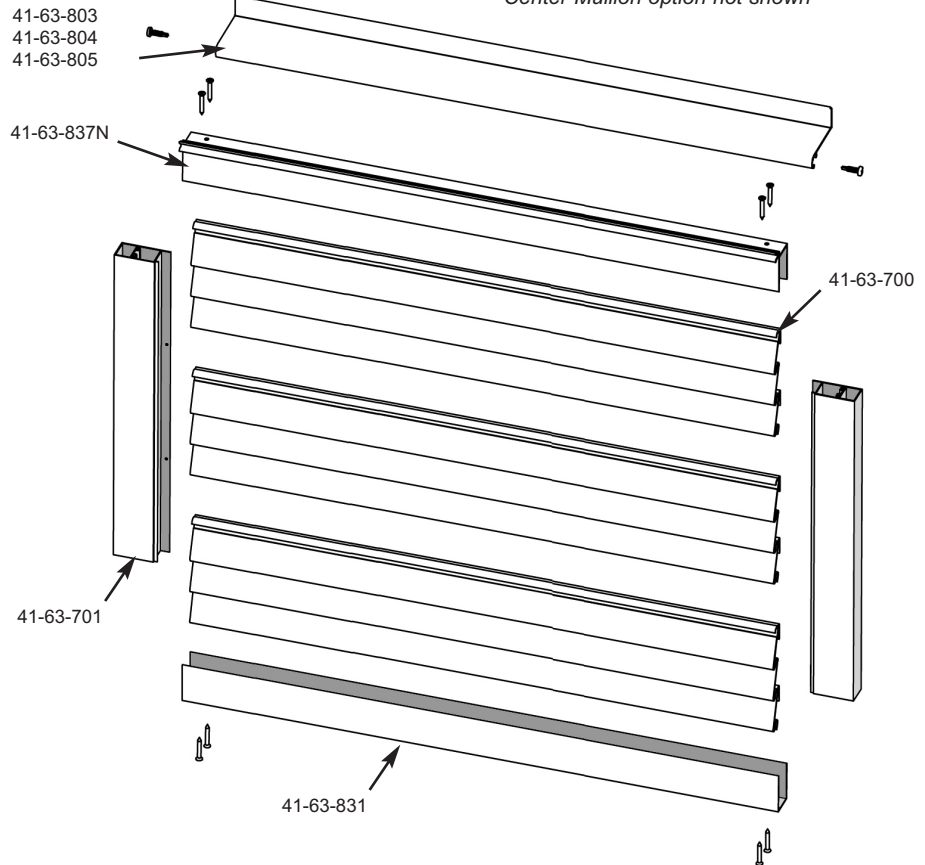
12-3/8"

2 Blades Interlocked Together



3-Wave Blade Decorative Bahama Schematic (Exterior View)

Center Mullion option not shown

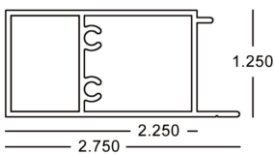


Side Rail with Lip x 20'

41-63-701

Mill Finish 6063-T6

Accepts 3-Wave Blade



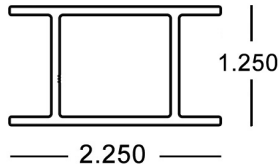
Center Mullion x 12'

41-63-888

Mill Finish

Accepts 3-Wave Blade

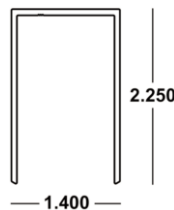
Center Mullion option not required in most applications.



Top & Bottom Rail x 21'

41-63-831

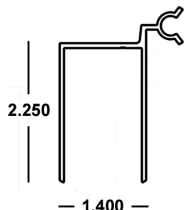
Mill Finish 6063-T6



HV LOW PROFILE MALE BAHAMA HINGE x 20'

41-63-837N

Mill Finish



Fixed Colonial Mounting Bracket

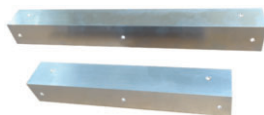
1.5 x 1.5 x .062 Angle
(Pre-Drilled 3/16" Holes)

7053

x 10"

7055

x 14"

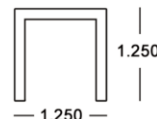


Radius Cover Cap

1-1/4" x 1-1/4" x 1/8"

Channel x 20'

13-63-230



Coverage Chart

Additional heights available upon request.

Blades continue inside top & bottom channel.

visible blades	finished height"	visible blades	finished height"
1	6-11/16	11	65-7/16
2	12-9/16	12	41-5/16
3	18-7/16	13	77-3/16
4	24-5/16	14	83-1/16
5	30-3/16	15	88-15/16
6	36-1/16	16	94-13/16
7	41-15/16	17	100-11/16
8	47-13/16	18	106-9/16
9	53-11/16	19	112-7/16
10	59-9/16	20	118-5/16

3-Wave Blade Samples

Powder Coated

WB-SAMPLE

12" x 24"

WBA-SAMPLE

12" x 24" Arched

For Hinges & Components
see Hurricane pp 53-54

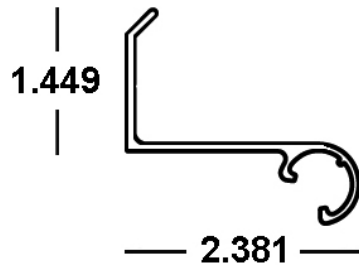
BAHAMA/COLONIAL HINGES

For additional Components see Hurricane p54 (next page)

Bahama Female Hinge x 20'

41-63-803

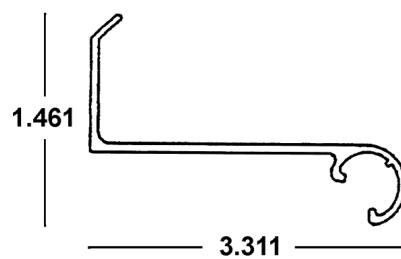
Mill Finish 6 pcs



1" Build-Out Bahama Female Hinge x 20'

41-63-804

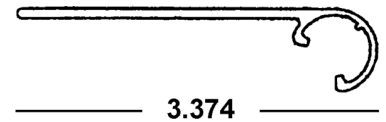
Mill Finish 6 pcs



Bahama Female Flat Hinge x 20'

41-63-805

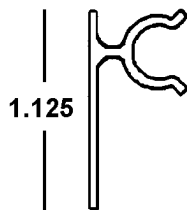
Mill Finish 6 pcs



Bahama Male Hinge x 20'

41-63-814

Mill Finish 16 pcs

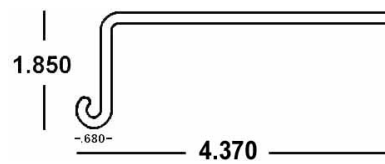


Colonial Single Hinge x 12'

41-63-816 Wall Mount

Mill Finish 6 pcs

Mates with 41-63-824N

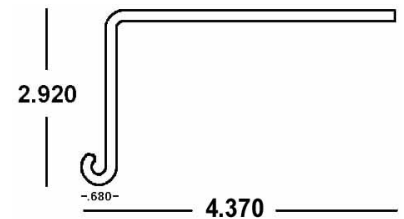


Colonial Double Hinge x 12'

41-63-813 Wall Mount

Mill Finish 4 pcs

Mates with 41-63-824N

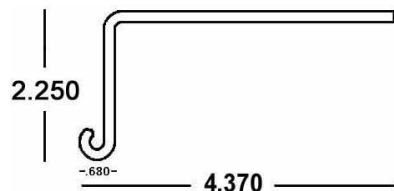


2.25 Colonial Double Hinge x 12'

52-61-4146 Wall Mount

Mill Finish 4 pcs

Mates with 41-63-824N

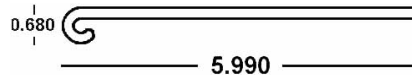


Colonial Flat Hinge x 12'

41-63-811 Wall Mount

Mill Finish 6 pcs

Mates with 41-63-824N

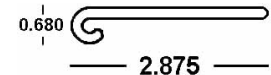


Colonial Flat Hinge x 12'

41-63-824N Shutter Mount

Mill Finish 6 pcs;

Mates with 41-63-816, 41-63-813, 41-63-811, 41-63-824N, 52-61-4146



BAHAMA/COLONIAL COMPONENTS

Used in a variety of Bahama/Colonial Systems

Piano Hinge x 6'

41-63-871

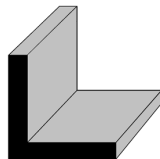
2" open width
.062" thick; 1/8" pin
Mill Finish; without holes
For use with
Decorative Colonials



Corner Key/Tie Down

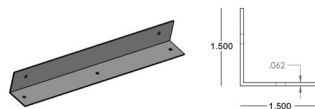
Mill Finish Angle
2 x 2 x 1/8 x 20'
11-63-315

2 x 2 x 3/16 x 20'
11-63-320



Fixed Low Pro Colonial Mounting Bracket

1.5 x 1.5 x .062 Angle
Pre-Drilled 3/16" Holes
7058 x 4"
7053 x 10"
7055 x 14"



Low Pro Hold Back Clip

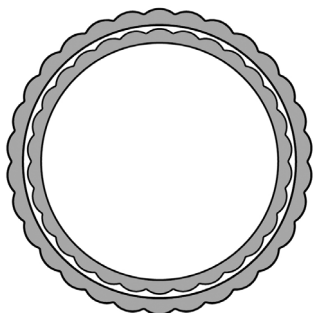
LP-HOLDBACK

(1 of each: LP-003 & LP-004)
Boxed in pairs of 100



Telescoping Serrated

Tube x 20' Mill Finish
52-63-537 .875" 26 pcs
51-63-381 1.000" 32 pcs



1" SLIP COLLAR WITH THUMB SCREW

Accepts 1" Serrated Tube for Telescoping Arms

7000 (FL/TX) Mill Finish x 9/16"
7000WH White x 9/16"
7000BK Black x 9/16"
7000MB Bronze x 9/16"
MILL ORDER ~~52-63-2484~~ MF x 20'
52-00-139 (TX) Mill Finish x 9/16" (No Thumbscrew)
41014 (TX) 1/4-20 x 3/4 Thumbscrew (mates with 52-00-139)
41021 (TX) 1/4-20 x 1 Thumbscrew (mates with 52-00-139)



CAMEL BACK CLIP WITH PIN

7001 Mill Finish
7001WH White
7001BK Black
7001MB Bronze



HV™ Bahama Telescoping Arm Kit

Kit includes 2 Tubes, Slip Collar, Camel Back, Cap and U-Clip.
(Approximate Max Extended Length shown in parenthesis)

Code	Arm Size (Extended) Finish
7002K	12" (23") MF
<u>7002KWH</u>	12" (23") White
<u>7002KBK</u>	12" (23") Black
<u>7002KMB</u>	12" (23") Bronze

7003K	18" (35") MF
<u>7003KWH</u>	18" (35") White
<u>7003KBK</u>	18" (35") Black
<u>7003KMB</u>	18" (35") Bronze

7004K	24" (47") MF
<u>7004KWH</u>	24" (47") White
<u>7004KBK</u> (FL/TX)	24" (47") Black
<u>7004KMB</u>	24" (47") Bronze

Code	Arm Size (Extended) Finish
<u>7017K</u>	30" (59") MF
<u>7017KWH</u>	30" (59") White
<u>7017KBK</u>	30" (59") Black
<u>7017KMB</u>	30" (59") Bronze

<u>7018K</u>	36" (71") MF
<u>7018KWH</u>	36" (71") White
<u>7018KBK</u>	36" (71") Black
<u>7018KMB</u>	36" (71") Bronze



Pre-Fabricated Hurricane Shutters



Pre-Fabricated Hurricane Protection Products

*Extrusions, components and systems listed in Hurricane section.
Please ask your Sales Representative for more information.*

Accordion Shutters

- HV™ Blade 1
- HV™ Combo (Blade 1 and 2)

Roll Shutters

- End Retention Systems: 40mm, 55mm, 63mm
- Roll Shutter Hood Manufacturing

Bahama & Colonial Shutters

- Code Approved: High Visibility™ HV™ Board & Batten
- Decorative: HV™ Low Profile (mechanical & welded)
- 3-Wave Blade Colonial
- Raised Panel Colonial (assembled only)
- Powder Coating available

Roll Formed Storm Panels

- .040 Aluminum (2-1/4" in Mill Finish)
- .050 Aluminum (2" & 2-1/4" in Mill Finish & White)
- Galvanized Steel (2" & 2-1/4" panels)
- Clear Polycarbonate (2" & 2-1/4" panels)



Fabricated Products: Raised Panel Decorative Colonial Shutter



Raised Panel Decorative Colonial

- Available in a variety of colors, widths and heights
- Only sold assembled

Options include:

- Raised Panel (raised panel top & bottom)
- Raised Panel Combination
(Raised Panel & 2" HV™ Low Profile Deco Slat)
- Flat Panel (not shown)
- Mounting Brackets
 - 1-1/2" x 1-1/2" x .062 Angle
 - 4" Bracket
 - 10" Bracket
 - 14" Bracket
- Samples Available
 - RP-Sample 12" x 24" Raised Panel
 - RPLP-Sample 12" x 24" Raised Panel Combo
- Engineering Available Upon Request

