

HAAS ARCHITECTURAL MILLWORK PRODUCTS



- Far exceeds the performance of wood without any aesthetic compromise.
- The edges of Haas Architectural Millwork products are sharp, clean, and offer the true authentic look of wood.
- HAAS Architectural Millwork will not rot, will hold paint better than wood, and provides lower maintenance over the life of the product.
- Comes factory primed with a high emulsion exterior latex paint and can be finish coated with any high quality exterior latex paint.
- HAAS Architectural Millwork products are made from water-based products and are environmentally friendly.

ALL HAAS ARCHITECTURAL MILLWORK PRODUCTS ARE MADE IN THE USA.

We can convert Fypon part numbers to HAAS!



Please call our office for a quote at (800) 938-7948 or (757) 625-2556

HAAS ARCHITECTURAL MILLWORK PRODUCTS

HAAS
ARCHITECTURAL
MILLWORK

Your Complete Urethane Millwork Solution Provider

Made in the USA



You design it.



We make it.



Fifth Edition

HAAS ARCHITECTURAL MILLWORK PRODUCTS

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From design to development - fabrication to facade.



Haas Architectural Millwork can create any type or style millwork you need. Our pattern makers will work from drawings, existing mouldings or your designs, to bring your ideas to life.



**Proudly Made in the
USA**

HAAS Architectural Millwork is committed to manufacturing highest quality urethane millwork solutions for the building industry. If you can dream it and design it, HAAS can make it.

HAAS Architectural Millwork far exceeds the performance of wood without any aesthetic compromise. Each pattern is made to exacting dimensions by our staff of Master patternmakers. The edges of Haas Architectural Millwork products are sharp, clean, and offer the true authentic look of wood.

HAAS Architectural Millwork will not rot, will hold paint better than wood, and provides lower maintenance over the life of the product.

HAAS Architectural Millwork comes factory primed with a high emulsion exterior latex paint and can be finish coated with any high quality exterior latex paint.

HAAS Architectural Millwork products are made from water-based products and are environmentally friendly.

HAAS Architectural Millwork has over 50 years of experience in the urethane millwork industry. We have the knowledge, experience, and expertise to make the product you want at a fair price.

**ALL HAAS ARCHITECTURAL MILLWORK PRODUCTS
ARE MADE AT OUR PLANT IN THE USA.**



GENERAL
INFORMATION

HAAS ARCHITECTURAL MILLWORK PRODUCTS

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MANUFACTURED IN AMERICA



HAAS Architectural Millwork is committed to manufacturing the highest quality urethane millwork products.

Residential or Commercial, HAAS can replicate historic millwork made by the finest craftsmen to exacting detail.



Architects, builders, and homeowners strive to make their project unique. HAAS can make your new millwork ideas come to life.



CUSTOM DESIGNS, STYLES, & SIZES AT YOUR REQUEST



At Haas Architectural Millwork, Inc., our Master Patternmakers can work from drawings, pictures, prints, or original pieces to provide you with a long lasting quality product. We would love to quote your custom project. Whether you are in need of a historic reproduction or you have your own design, allow us to bring your ideas and designs to life.

LIMITED WARRANTY

Haas Architectural Millwork, Inc. hereby warrants its parts upon the following conditions against defects in materials and workmanship for a period of one year after delivery to Purchaser when used and installed under normal conditions. The foregoing warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether expressed or implied by operation of law or otherwise including but not limited to any implied warranties or merchantability or fitness. Failure to follow Haas Architectural Millwork's storage and installation instructions will void this limited warranty. (See www.haasmillwork.com for complete installation instructions).

Buyer and installer must inspect each piece before installation. Installer and Buyer waive all defects, which could have been discovered by reasonable inspection prior to installation. This includes all misalignment, misfitted, parts, dimensional discrepancies and the like. In the event that any claim is made under this warranty, an authorized representative of Haas Architectural Millwork shall have the right to inspect the parts and if, in his or her sole discretion, said representative determines the parts defective, Haas Architectural Millwork will repair, replace, or refund its distributor the amount paid to Haas for said defective parts. The sole obligation of HAAS under this warranty is to REPAIR, REPLACE, OR REFUND as described above.

Haas Architectural Millwork shall have no liability to any person, firm, or corporation whatsoever for incidental or consequential damages such as but not limited to, labor, finishing cost, parts damaged by freight carriers, freight charges, installation, lost profits, lost sales or like. No purchaser may take any deduction, credit, or set-off against any amount owed Haas Architectural Millwork or make any charge-back without express written consent of Haas Architectural Millwork.

Haas Architectural Millwork - Ph. (717) 246-6290 - Fax (717) 246-6291
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GENERAL INFORMATION

HAAS ARCHITECTURAL MILLWORK PRODUCTS

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3-1/4" to 3-5/8" Balustrade System

HTR 180

HTR 180 - 8', 10', 12'		Top /Bottom Rail
		
Top Width	Overall Width	Height
2-9/16"	2-15/16"	1-3/4"



HTR 200 / HBR 201

HTR 200 - 8', 10', 12'		Top Rail	HBR 201 - 8', 10', 12'		Bottom Rail
					
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height
3-5/8"	2-7/8"	3"	2-7/8"	3-5/8"	3-1/8"

RADIUS RAILS AVAILABLE - CONTACT US FOR A QUOTE

HTR 210 / HBR 211

HTR 210 - 8', 10', 12'		Top Rail	HBR 211 - 8', 10', 12'		Bottom Rail
					
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height
3-1/4"	3"	2-3/4"	1-5/8"	2-3/4"	2-3/4"

HTR 232 / HBR 233

HTR 232 - 8', 10', 12'		Top Rail	HBR 233 - 8', 10', 12'		Bottom Rail
					
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height
3-5/8"	2-1/4"	2-3/4"	2-1/2"	3-1/2"	1-5/8"

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3-1/4" to 3-5/8" Balustrade System

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HBAL 115

Part No.	Width	Height
HBAL 115-24	2-1/2"	24"

Spacing on Center - 5-1/8"

HBAL 100

Part No.	Width	Height
HBAL 100-20	1-3/4"	20"
HBAL 100-22	1-3/4"	22"
HBAL 100-24	1-3/4"	24"
HBAL 100-28	1-3/4"	28"
HBAL 100-32	1-3/4"	32"
HBAL 100-36	1-3/4"	36"

Spacing on Center - 5-5/8"

HBAL 125

Part No.	Width	Height
HBAL 125-20	1-1/4"	20"
HBAL 125-24	1-1/4"	24"
HBAL 125-28	1-1/4"	28"
HBAL 125-32	1-1/4"	32"
HBAL 125-36	1-1/4"	36"

Spacing on Center - 5-1/8"

HBAL 103

Part No.	Width	Height
HBAL 103-20	2-1/2"	20"
HBAL 103-24	2-1/2"	24"
HBAL 103-28	2-1/2"	28"
HBAL 103-30	2-1/2"	30"
HBAL 103-32	2-1/2"	32"
HBAL 103-34	2-1/2"	34"
HBAL 103-36	2-1/2"	36"

Spacing on Center - 5-1/4"

HBAL 127

Part No.	Width	Height
HBAL 127-20	2-3/4"	20"

Spacing on Center - 5-1/2"

CUSTOM

HISTORIC RESTORATION or NEW DESIGN

Fax us your drawing or email us at
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HBAL 139

Part No.	Width	Height
HBAL 139-22	2-3/4"	22"

Spacing on Center - 5-3/4"

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3-1/4" to 3-5/8" Balustrade System Continued

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HBAL 140

Part No.	Width	Height
HBAL 140-24	2-1/2"	24"
HBAL 140-27	2-1/2"	27"

Spacing on Center - 5-1/4"




HBAL 203

Part No.	Width	Height
HBAL 203-25	2-3/4"	25"

*Available with V-notch in bottom to fit HTR 180 Rail


Spacing on Center - 5-1/4"



HBAL 169

Part No.	Width	Height
HBAL 169-17	2-1/2"	17-1/2"


Spacing on Center - 5-1/4"



HBAL 207

Part No.	Width	Height
HBAL 207-28	2-1/2"	28"

Spacing on Center - 5-1/2"



HBAL 182

Part No.	Width	Height
HBAL 182-30	2-1/2"	30"
HBAL 182-34	2-1/2"	34"

*Available with V-notch in top & bottom to fit HTR 180 Rail


Spacing on Center - 5-3/4"



HBAL 600

Part No.	Width	Height
HBAL 600-20	2-1/4"	20"
HBAL 600-24	2-1/4"	24"
HBAL 600-28	2-1/4"	28"
HBAL 600-32	2-1/4"	32"
HBAL 600-36	2-1/4"	36"


Spacing on Center - 6-1/8"



HBAL 191

Part No.	Width	Height
HBAL 191-16	1-7/8"	16-1/4"

Spacing on Center - 4-5/8"



HBAL 2046

Part No.	Width	Height
HBAL 2046-24	1-1/4"	24"

Round Baluster

Spacing on Center - 5-1/8"



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3-1/4" to 3-5/8" Balustrade System Continued

PLAIN NEWEL POSTS

Part No.	Width	Height
HNP 300-4	4"	48"
HNP 300-6	5-1/2"	48"

HAPNP 310-6



5-Sided
Newel Post

Installation instructions
Pages 27-33.

TURNUED NEWEL POST

Part No.	Width	Height
HTNP 2540-5	5-1/2"	40"



NEWEL KITS

Part No.
HNPk 300-4
HNPk 300-5

Specify Concrete or
Wood
C = Concrete
W = Wood
Ex. HNPk 300-6-C

STAINLESS STEEL
KITS AVAILABLE
FOR COASTAL
APPLICATIONS



See pages 27 - 33
for Installation Instructions

NEWEL CAPS

	Part No.	Width	Height
	HNC 300-6	6-1/4"	1-1/2"
	HFNC301-4	5-1/2"	40"
	HFNC 301-6	6-3/8"	2-1/2"
	HPNC 302-6	6-1/2"	2"
	HPNC 302-1-6	6-1/2"	1-1/2"
	HANC 310-6	To Fit	1-1/2"

BALL TOP

	Part No.	Ball Dia	Height
	HBALL 901-3	2-7/8"	4-1/2"
	HBALL 901-4	3-1/2"	5-1/4"
	HBALL 900-5	5"	6-1/2"

RAIL KITS / STAIR RAIL KITS

Part No. HRK 202 / HRKS 202

**Customer must specify rise and run of stairs.
1 KIT PER TOP & BOTTOM RAIL SECTION
See Page 28

Contact us for CAD drawings.

RAIL SUPPORT BLOCK

	Part No.	Height	Width	Length
	HSB 900	4"	3-1/2"	5-1/2"
Fits all rail sizes				

TRIM COLLARS

	HTC-6	7-1/2"	2-1/8"
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4-1/2" Balustrade System

HTRG 202
HTRG 202 - 8', 10', 12' **Goose Neck Rail***



Top Width	Bottom Width	Height
4-1/2"	3-5/8"	3"

*4-5/8" Gooseneck Drop

URETHANE ADHESIVE



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HTR 202/HBR 203

HTR 202 - 8', 10', 12'			Top Rail	HBR 203 - 8', 10', 12'			Bottom Rail
							
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height		
4-1/2"	3-5/8"	3"	3-3/4"	4-5/8"	3"		

RADIUS RAILS AVAILABLE - CONTACT US FOR A QUOTE

HTR 760/HBR 761

HTR 760 - 8', 10', 12'			Top Rail	HBR 761 - 8', 10', 12'			Bottom Rail
							
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height		
4-1/4"	3-1/4"	3"	3-1/8"	3-5/8"	2-1/2"		

RADIUS RAILS AVAILABLE - CONTACT US FOR A QUOTE



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4-1/2" Balustrade System Continued



HBAL 110			
Part No.	Width	Height	
HBAL 110-18	3"	18"	
HBAL 110-20	3"	20"	
HBAL 110-24	3"	24"	
HBAL 110-26	3"	26"	
HBAL 110-28	3"	28"	
HBAL 110-30	3"	30"	

Spacing on Center - 5-1/2"

HBAL 131			
Part No.	Width	Height	
HBAL 131-24	3-1/2"	24"	

Spacing on Center - 5-3/4"

HBAL 133			
Part No.	Width	Height	
HBAL 133-27	3-1/4"	27"	

Spacing on Center - 5-3/4"

HBAL 136			
Part No.	Width	Height	
HBAL 136-24	3-1/2"	24"	
HBAL 136-26	3-1/2"	26"	
HBAL 136-30	3-1/2"	30"	

Spacing on Center - 6"

HBAL 137			
Part No.	Width	Height	
HBAL 137-28	3-1/2"	28"	
HBAL 137-32	3-1/2"	32"	
HBAL 137-34	3-1/2"	34"	

Spacing on Center - 5-1/2"

HBAL 138			
Part No.	Width	Height	
HBAL 138-18	3-1/4"	18"	

Spacing on Center - 5-5/8"

HBAL 139			
Part No.	Width	Height	
HBAL 139-22	2-3/4"	22"	

Spacing on Center - 5-3/4"

HBAL 141			
Part No.	Width	Height	
HBAL 141-16	3-1/2"	16"	

Spacing on Center - 6"

CUSTOM
 HISTORIC RESTORATION or NEW DESIGN
 Let us quote your custom rail or baluster.
 Fax us your drawing or email us at
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4-1/2" Balustrade System Continued

HBAL 161

Part No.	Width	Height
HBAL 161-20	3"	20"
HBAL 161-24	3"	24"
HBAL 161-26	3"	26"
HBAL 161-28	3"	28"
HBAL 161-32	3"	32"
HBAL 161-36	3"	36"

Spacing on Center - 6-7/8"



HBAL 185

Part No.	Width	Height
HBAL 185-19	3-3/8"	19-1/8"

Spacing on Center - 5-1/4"

HBAL 201

Part No.	Width	Height
HBAL 201-19	3"	18-7/8"

Spacing on Center - 5"

HBAL 186

Part No.	Width	Height
HBAL 186-22	3-1/4"	22-5/8"

*Available with V-notch in top & bottom to fit pitched rail.

Spacing on Center - 5-5/8"

HBAL 202

Part No.	Width	Height
HBAL 202-26	3-1/4"	26"

Spacing on Center - 5-3/8"

HBAL 194

Part No.	Width	Height
HBAL 194-31	3-1/2"	31-5/8"

Spacing on Center - 5-3/8"

HBAL 341

Part No.	Width	Height
HBAL 341-27	2-7/8"	26-3/4"

Spacing on Center - 5-3/8"

HBAL 436

Part No.	Width	Height
HBAL 436-32	3-1/2"	32"

Spacing on Center - 6"

Installation instructions
see Pages 27-33
CAD drawings available.

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4-1/2" Balustrade System Continued



HBAL 2033		
Part No.	Width	Height
HBAL 2033-20	3-1/4"	20"

Spacing on Center - 5-3/4"

NEWEL CAPS

Part No.	Width	Height
HNC 300-6	6-1/4"	1-1/2"
HNC 300-8	8-1/2"	1-1/2"
HFNC 301-6	6-3/8"	2-1/2"
HFNC 301-8	8-3/4"	2-3/4"
HPNC 302-6	6-1/2"	2"
HPNC 302-8	8-3/4"	2-1/4"
HPNC 302-1-6	6-1/2"	1-1/2"
HPNC 302-1-8	8-3/4"	1-3/4"

BALL TOPS

Part No.	Ball Dia.	Height
HBALL 600-5	5"	6-1/2"
HBALL 600-6	6"	8"
HBALL 600-7	7"	9-1/2"

TRIM COLLARS

Part No.	Width	Height
HTC-6	7-1/2"	2-1/8"
HTC-8	10-1/2"	2-1/8"



Part No.	Height	Width	Length
HSB 900	4"	3-1/2"	5-1/2"

Fits all rail sizes.


PLAIN NEWEL POSTS

Part No.	Width	Height
HNP 300-6	5-1/2"	48"
HNP 300-8	8"	48"

5-SIDED PLAIN NEWEL POSTS


Part No.	Width	Height
HAPNP 310-6	5-1/2" - 5 sided	48"
HAPNP 310-8	8" - 5 sided	48"

RAISED PANEL NEWEL POST



In-Line	Corner	End
HPNP 301-8	HCNP 302-8	HSNP 303-8
Width 8"	X	Height 48"

RECESSED FLAT PANEL NEWEL POST



In-Line	Corner	End
HPNP 307-8	HCNP 308-8	HSNP 309-8
Width 8"	X	Height 48"

NEWEL KITS

Part No.	Specify Concrete or Wood
HNP 300-8	C = Concrete
HNP 300-8	W = Wood
	Ex. HNP 300-6-C

STAINLESS STEEL KITS AVAILABLE FOR COASTAL APPLICATIONS

See pages 27 - 33 for installation instructions.

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5-1/2" Balustrade System

HTR 204 / HBR 205

HTR 204 - 8', 10', 12'			HBR 205 - 8', 10', 12'		
Top Rail			Bottom Rail		
					
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height
5-1/2"	4"	4"	4"	5-1/2"	4"

RADIUS RAILS AVAILABLE - CONTACT US FOR A QUOTE

HTR 218

HTR 218 - 8', 10', 12'		
Top Rail		
		
Top Width	Bottom Width	Height
5-1/2"	4"	4"

RADIUS RAILS AVAILABLE - CONTACT US FOR A QUOTE



CUSTOM

RADIUS RAILS / CUSTOM BALUSTERS
CONTACT US FOR A QUOTE.

RAIL KITS / STAIR RAIL KITS

Part No. HRK 202

Part No. HRKS 202

**Customer must specify rise and run of stairs.
1 KIT PER TOP & BOTTOM RAIL SECTION
See Page #28

HBAL 109

Part No.	Width	Height
HBAL 109-19	3-3/4"	19"
HBAL 109-22	3-3/4"	22"
HBAL 109-24	3-3/4"	24-1/2"
HBAL 109-26	3-3/4"	26"
HBAL 109-30	3-3/4"	30"

Spacing on Center - 6"

HBAL 113

Part No.	Width	Height
HBAL 113-24	3-5/8"	24"
HBAL 113-26	3-5/8"	26"
HBAL 113-30	3-5/8"	30"

Spacing on Center - 6"



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5-1/2" Balustrade System Continued



HBAL 144

Part No.	Width	Height
HBAL 144-23	3-3/4"	23"

Spacing on Center - 6"



HBAL 145

Part No.	Width	Height
HBAL 145-28	3-7/8"	28"

Spacing on Center - 5-7/8"



HBAL 186

Part No.	Width	Height
HBAL 186-22	3-1/4"	22-5/8"

*Available with V-notch in top & bottom to fit pitched rail.

Spacing on Center - 5-5/8"




HBAL 194

Part No.	Width	Height
HBAL 194-31	3-1/2"	31"

Spacing on Center - 5-3/8"


RAIL SUPPORT BLOCK



Part No.	Height	Width	Length
HSB 900	4"	3-1/2"	5-1/2"

Fits all rail sizes

PLAIN NEWEL POSTS



Part No.	Width	Height
HNP 300-B	8"	48"
HNP 300-B	9"	48"


5-SIDED PLAIN NEWEL POSTS



Part No.	Measurements	Height
HAPNP 310-B	8" - 5 sided	48"




RAISED PANEL NEWEL POST



In-Line	Corner	End
HPNP 301-B	HCNP 302-B	HSNP 303-B
Width 8"	X	Height 48"
HPNP 301-9	HCNP 302-9	HSNP 303-9
Width 9"	X	Height 48"

RECESSED FLAT PANEL NEWEL POSTS



In-Line	Corner	End
HPNP 307-B	HCNP 308-B	HSNP 309-B
Width 8"	X	Height 48"

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5-1/2" Balustrade System Continued

NEWEL CAPS			
	Part No.	Width	Height
	HNC 300-8	8-1/2"	1-1/2"
		9-3/4"	??"
	HPNC 301-8	8-3/4"	2-3/4"
	HPNC 301-9	9-5/8"	2-1/4"
	HPNC 302-8	8-3/4"	2-1/4"
	HPNC 302-9	9-1/2"	3"
	HPNC 302-1-9	10"	1-3/4"
	HPNC 302-1-11	11-1/4"	1-1/2"
	Plain 5-sided Newel Cap		
	HANC 310-8		
BALL TOPS			
	Part No.	Base Dia.	Height
	HBALL 600-5	5"	6-1/2"
	HBALL 600-6	6"	6"
	HBALL 600-7	7"	8-3/4"
TRIM COLLARS			
	Part No.	Width	Height
	HTC-8	10-1/2"	2-1/8"
	HTC-9	11-1/2"	2-1/8"

NEWEL KITS	
Part No.	
HNPCK 300-8	
HNPCK 300-9	
Specify Concrete or Wood C = Concrete W = Wood Ex. HNPCK 300-6-C	
STAINLESS STEEL KITS AVAILABLE FOR COASTAL APPLICATIONS	
See pages 23 - 27 for installation instructions.	

RAIL KITS / STAIR RAIL KITS	
Part No.	
HRK 204 / HRKS 204	
**Customer must specify rise and run of stairs. 1 KIT PER TOP & BOTTOM RAIL SECTION See Page 28	

*Contact us for CAD drawings.

7-1/4" Balustrade System

HTR 206 / HBR 207					
HTR 206 - 8', 10', 12'		Top Rail	HBR 207 - 8', 10', 12'		Bottom Rail
					
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height
7-1/4"	5-3/4"	5-1/2"	5-3/4"	7-1/4"	5-1/2"
RADIUS RAILS AVAILABLE - CALL FOR QUOTE					
URETHANE ADHESIVE					



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7-1/4" Balustrade System Continued

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HTR 214 / HBR 215

HTR 214 - 8', 10', 12'			Top Rail	HBR 215 - 8', 10', 12'			Bottom Rail
							
Top Width	Bottom Width	Height	Top Width	Bottom Width	Height		
7-1/4"	5-3/4"	5-1/2"	5-3/4"	7-1/4"	5-1/2"		

RADIUS RAILS AVAILABLE - CALL FOR QUOTE

HTRG 206 Goose Neck

HTRG 206 - CALL FOR QUOTE			Top Rail
			
Top Width	Bottom Width	Height	
7-1/4"	5-3/4"	5-1/2"	

* 4-1/2" Gooseneck drop.

HBAL 118

Part No.	Width	Height
HBAL 118-19	5-1/4"	19"
HBAL 118-22	5-1/4"	22"
HBAL 118-24	5-1/4"	24"
HBAL 118-27	5-1/4"	27"
HBAL 118-35	5-1/4"	35"

Spacing on Center - 6-7/8"

HBAL 119

Part No.	Width	Height
HBAL 119-16	4-1/2"	16"
HBAL 119-20	4-1/2"	20"
HBAL 119-24	4-1/2"	24"

Spacing on Center - 6-1/4"

HBAL 107

Part No.	Width	Height
HBAL 107-28	4"	28"

Spacing on Center - 6-3/8"

HBAL 120

Part No.	Width	Height
HBAL 120-28	5-1/4"	28"

Spacing on Center - 6-7/8"

Installation instructions
Page 27-33

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HBAL 121

Part No.	Width	Height
HBAL 121-22	5-1/4"	22"
HBAL 121-24	5-1/4"	24"
HBAL 121-30	5-1/4"	30"


Spacing on Center - 6-3/4"



HBAL 128

Part No.	Width	Height
HBAL 128-16	4-1/4"	16"


Spacing on Center - 6-1/4"



HBAL 130

Part No.	Width	Height
HBAL 130-33	4-1/2"	33"

Spacing on Center - 6-1/2"



HBAL 132

Part No.	Width	Height
HBAL 132-26	5-1/8"	26"

Spacing on Center - 6-1/4"


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Gooseneck Rails Available



HBAL 135

Part No.	Width	Height
HBAL 135-25	5-1/2"	25-3/8"


Spacing on Center - 7"



HBAL 148

Part No.	Width	Height
HBAL 148-24	5-3/4"	24"

Spacing on Center - 8"



HBAL 151

Part No.	Width	Height
HBAL 151-28	5-1/2"	27-3/4"

Spacing on Center - 8-1/4"

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7-1/4" Balustrade System Continued



HBAL 152

Part No.	Width	Height
HBAL 152-28	5-1/2"	28"

Spacing on Center - 8-1/4"

HBAL 163

Part No.	Width	Height
HBAL 163-28	5"	28"

Spacing on Center - 5-7/8"

HBAL 181

Part No.	Width	Height
HBAL 181-24	4-1/2"	24"
HBAL 181-28	4-1/2"	28"

Spacing on Center - 6"

HBAL 187

Part No.	Width	Height
HBAL 187-22	4-1/2"	22"
HBAL 187-27	4-1/2"	27"

Spacing on Center - 6-1/4"

HBAL 196

Part No.	Width	Height
HBAL 196-30	4-1/4"	30-1/8"

Spacing on Center - 6-1/2"

HBAL 5028

Part No.	Width	Height
HBAL 5028-22	4"	22"
HBAL 5028-26	4"	26"

Spacing on Center - 5-1/2"

PLAIN NEWEL POSTS

Part No.	Width	Height
HNP 300-8	8"	48"
HNP 300-9	9"	48"
HNP 300-10	10"	48"

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5-SIDED PLAIN NEWEL POSTS

Part No.	Measurements	Height
HAPNP 310-8	8" - 5 sided 45 degree angle	48"



PANEL NEWEL POST



In-Line	Corner	End
HPNP 301-8	HCNP 302-8	HSNP 303-8
HPNP 301-9	HCNP 302-9	HSNP 303-9
HPNP 301-10	HCNP 302-10	HSNP 303-10

FLAT PANEL NEWEL POSTS




In-Line	Corner	End
HPNP 307-8	HCNP 308-8	HSNP 309-8

Width 8" X Height 48"

CORNER PROFILE NEWEL POSTS

Part No.	Width	Height
HNP 304-10	10"	48"



NEWEL KITS

Part No.
HNPCK 300-8
HNPCK 300-9
HNPCK 300-10

Specify Concrete or Wood
C = Concrete
W = Wood
Ex. HNPCK 300-12-C

STAINLESS STEEL KITS AVAILABLE FOR COASTAL APPLICATIONS


See pages 27 - 33 for installation instructions



RAIL SUPPORT BLOCK

Part No.	Height	Width	Length
HSB 900	4"	3-1/2"	5-1/2"

Fits all rail sizes.



RAIL KITS / STAIR RAIL KITS

Part No. HRK 206 / HRK 214
Part No. HRKS 206 / HRK 214

**Customer must specify rise and run of stairs.
1 KIT PER TOP & BOTTOM RAIL SECTION
See Page 28

*Contact us for CAD drawings.

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7-1/4" Balustrade System Continued



NEWEL CAPS

	Part No.	Width	Height
	HNC 300-8	8-1/2"	1-1/2"
	HNC 300-9	9-3/4"	1-1/2"
	HNC 300-10	11"	1-1/2"
	HFNC 301-8	8-3/4"	2-3/4"
	HFNC 301-9	9-5/8"	2-1/4"
	HFNC 301-10	10-1/4"	2-3/4"
	HPNC 302-8	8-3/4"	2-1/4"
	HPNC 302-9	9-1/2"	3"
	HPNC 302-10	10-3/8"	2-1/2"
	HPNC 302-1-9	10"	1-3/4"
	HPNC 302-1-11	11-1/4"	1-1/2"
	HANC 310-8		
*6-sided Newel Cap 45 degree angle			

BALL TOPS

	Part No.	Base Dia.	Height
	HBALL 600-6	8"	8"
	HBALL 600-7	6"	8-3/4"
	HBALL 600-8	8"	9-1/2"
	HBALL 600-9	9"	11-1/4"

TRIM COLLARS

	HTC-8	10-1/2"	2-1/8"
	HTC-9	11-1/2"	2-1/8"
	HTC-10	12-1/2"	2-1/8"

Installation instructions
Pages 27-33
CAD drawings available.

12" Balustrade System

HTR 208 / HBR 209

HTR 208 - 8', 10', 12'			Top Rail	HBR 209 - 8', 10', 12'			Bottom Rail
Top Width	Bottom Width	Height		Top Width	Bottom Width	Height	
12"	9"	6"		9"	12"	6"	

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12" Balustrade System

HTR 216


HTR 216 - 8', 10', 12' Top Rail

Top Width	Bottom Width	Height
12"	10"	6"




HBAL 121



Part No.	Width	Height
HBAL 121-22	5-1/4"	22"
HBAL 121-24	5-1/4"	24-1/2"
HBAL 121-30	5-1/4"	30-1/2"

Spacing on Center - 6-3/4"


HBAL 134



Part No.	Width	Height
HBAL 134-26	4-3/4"	26"

Spacing on Center - 7-1/8"

HBAL 124



Part No.	Width	Height
HBAL 124-28	7-1/2"	28"
HBAL 124-35	7-1/2"	35"

Spacing on Center - 7-7/8"

HBAL 135



Part No.	Width	Height
HBAL 135-25	5-1/2"	25-3/8"


Spacing on Center - 7"

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HISTORIC RESTORATION or NEW DESIGN

Let us quote your custom rail or baluster.
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HBAL 146



Part No.	Width	Height
HBAL 146-38	7"	38"

Spacing on Center - 7-3/8"

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12" Balustrade System Continued


HBAL 148		
Part No.	Width	Height
HBAL 148-24	5-3/4"	24"

Spacing on Center - 8"




HBAL 152		
Part No.	Width	Height
HBAL 152-28	5-1/2"	28"

Spacing on Center - 8-1/4"




HBAL 162		
Part No.	Width	Height
HBAL 162-20	6-1/2"	19-1/2"

Does not meet code.




HBAL 183		
Part No.	Width	Height
HBAL 183-26	5-1/8"	26-1/2"

Spacing on Center - 6-3/8"



HBAL 184		
Part No.	Width	Height
HBAL 184-22	7-1/2"	22-1/2"

Top width 6-1/2"
Does Not Meet Code.



HBAL 200		
Part No.	Width	Height
HBAL 200-36	7-1/2"	36"

Does not meet code.

RAIL KITS / STAIR RAIL KITS

Part No.	HRK 208 / HRK 216
Part No.	HRKS 208 / HRK 216

**Customer must specify rise and run of stairs.
1 KIT PER TOP & BOTTOM RAIL SECTION
See Page 28

**Installation instructions
Page 27-33**

***Contact us for CAD drawings.**

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PLAIN NEWEL POSTS



Part No.	Width	Height
HNP 300-12	12-3/4"	48"

RAISED PANEL NEWEL POST



In-Line	Corner	End
HPNP 301-12	HCNP 302-12	HSNP 303-12
Width 12-3/4"	X	Height 48"

RECESSED FLAT PANEL NEWEL POSTS



In-Line	Corner	End
HPNP 307-12	HCNP 305-12	HSNP 306-12
Width 12-3/4"	X	Height 48"

RAIL SUPPORT BLOCK



Part No.	Height	Width	Length
HSB 900	4"	3-1/2"	5-1/2"
Fits all rail sizes			

NEWEL CAPS



Part No.	Width	Height
HNC 300-12	13-3/4"	1-1/2"



Part No.	Width	Height
HPNC 301-12	13-5/8"	3"



Part No.	Width	Height
HPNC 302-12	12-3/4"	3"



Part No.	Width	Height
HPNC 302-1-12	12-1/2"	1-1/2"

BALL TOP



Part No.	Ball Dia	Height
HBALL 600-9	9"	11-1/4"
HBALL 601-10	10"	13-1/4"
HBALL 600-12	12"	16"

TRIM COLLARS



Part No.	Width	Height
HTC-12	15-1/4"	2-1/8"

NEWEL KITS

Part No. HNP 300-12

Specify Concrete or Wood
 C = Concrete
 W = Wood
 Ex. HNP 300-6-C

STAINLESS STEEL
 KITS AVAILABLE
 FOR COASTAL
 APPLICATIONS



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7-1/4" & 12" Over the Rail Newel Systems



Rail Cap Applique
*Coped to fit side of rail.



*Designed for 36" Rail Height

- AVAILABLE FOR**
- HTR 206
 - HTR 214
 - HTR 214
 - HTR 216

Call us to review your application.

OVER THE NEWEL KITS

Part No.	HNPk 304-8	
	HNPk 304-12	


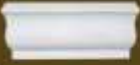
Specify Concrete or Wood
C = Concrete
W = Wood
Ex. HNPk 300-6-C

STAINLESS STEEL KITS AVAILABLE FOR COASTAL APPLICATIONS

*For complete installation instructions. Pages 27-33

RAIL CAP APPLIQUES

NEWEL APPLIQUES TO FIT TOP RAILS

	Part No.	
	HFNCH 206-8	Fit 8" Newel
	HFNCH 208-12	Fit 12" Newel
	HFNCH 214-8	Fit 8" Newel
	HFNCH 216-12	Fit 12" Newel

*Order 2pc for In-Line Newel,
4pc for Corner Newel.
*Comes coped to fit side of rail.



OVER NEWEL POST

OVER NEWEL FLAT PANEL NEWEL POST

			
	In-Line	Corner	End
	HFPNP 304-8	HCFPNP 305-8	HEFPNP 306-8
	HFPNP 304-12	HCFPNP 305-12	HEFPNP 306-12

*Plain Newel Post will work with Over the Newel System.

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MISCELLANEOUS RAILS

HTR 182 / HBR 183

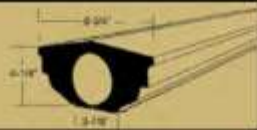
HTR 182 - 8', 10', 12'		Top Rail	HBR 183 - 8', 10', 12'		Bottom Rail
				Top Width	Bottom Width
5-3/4"	3-3/4"	Height	Width	3"	Height
2-1/2"	3-3/4"				

HTR 212 / HBR 213

HTR 212 - 8', 10', 12'		Top Rail	HBR 213 - 8', 10', 12'		Bottom Rail
				Width	Bottom Width
5-3/4"	5"	Height	Width	1-1/2"	Height
1-3/4"	3-1/2"				

HTR 220

HTR 220 - 8'



Top Width	8-3/4"
Height	4-1/4"
Bottom Width	3-7/8"



*Contact us for CAD drawings.



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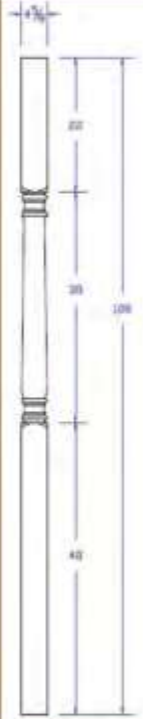
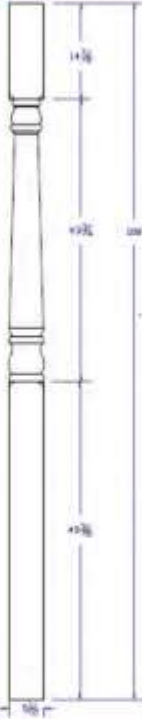
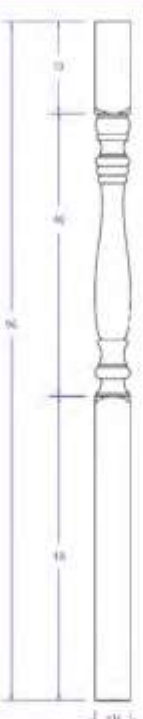
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PORCH POSTS

For other styles & sizes please call us.

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HTPP 440-9	HTPP 3051-9	HTPP 3058-8
		
		
4-5/8" W X 108" H	5-1/2" W x 108" H	5-1/2" W x 96" H

*Contact us for CAD drawings.

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BALUSTRADE SYSTEM - Installation Instructions

HAAS ARCHITECTURAL MILLWORK, INC. BALUSTRADE/RAILING SYSTEM INSTALLATION INSTRUCTIONS

*Haas Architectural Millwork, Inc is a manufacturer of quality molded urethane. Our product is designed to withstand moisture, insects, and the outside elements. Our millwork has a painted finish that is chemically bonded during the molding process. This base coat will not peel or crack. An additional primer is applied prior to shipping. We do recommend top-coat painting mouldings with an exterior paint.

- Most states use the **4" BALL RULE** to meet building code regulations. This rule is that a 4" ball cannot pass through the widest opening between balusters.



- Structural integrity is the responsibility of the installer.
- Custom items cannot be returned or cancelled once the production has already begun.
- All products that have been approved by Haas Architectural Millwork, Inc. for return must be shipped prepaid and a 20% **restocking fee** will be assessed. Parts that have been installed, painted, or modified in any way may not be returned.
- Proper **safety procedures** are to be used when installing, sanding, or sawing our product, such as wearing safety glasses and a dust mask. Urethane dust can be irritating and should not be inhaled.
- Using Haas Architectural Millwork, Inc. products does not contribute to depleting our valuable forests.
- Haas Architectural Millwork, Inc. products should be stored in the temperature conditions in which they will be installed.
- Haas Architectural Millwork, Inc. **warrants** all of its' products against defects in materials and workmanship for a period of **1 year** from the date of purchase, when used and installed under recommended conditions.
- Haas Architectural Millwork, Inc. offers **balusters with extensions** on top and bottom for stair application.



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BALUSTRADE SYSTEM - Installation Instructions

Newel Post Installation Kit

(Order 1 kit per Newel Post)

Kit Number*	Newel Posts
HNPBK 300-4	Fits all 4" newel posts
HNPBK 300-6	Fits all 5 1/2" newel posts
HNPBK 300-8	Fits all 8" newel posts
HNPBK 300-9	Fits all 9" newel posts
HNPBK 300-10	Fits all 10" newel posts
HNPBK 300-12	Fits all 12" newel posts

*Note: Newel Kits are available for either wood or concrete applicataion. To specify please add -W for wood or -C for concrete to the end of the kit number. Ex. (HNPBK 300-4-W or HNPBK 302-8-C)

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Wood Kit

1. One floor flange
2. Four 3/8" x 2" lag bolts
3. One 1/2" x 48" threaded rod
4. One "C" channel
5. One 1/2" flat washer
6. One 1/2" lock washer
7. One 1/2" Nut

Concrete Kit

1. One floor flange
2. Four 3/8" x 2 1/4" concrete wedge bolts
3. One 1/2" x 48" threaded rod
4. One "C" channel
5. One 1/2" flat washer
6. One 1/2" lock washer
7. One 1/2" nut

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Railing Installation Kit

(Order 1 kit per Top & Bottom Rail Section.)

Kit Number	Fits These Rails
HRK 180	HTR 180, HTR 232-HBR 233, HTR 212-HBR 213
HRK 200	HTR 182-HBR 183 HTR 200-HBR 201, HTR 202-HBR 203 HTR 210-HBR 211 HTR 760-HBR 761
HRK 204	HTR 204-HBR 205, HTR 218, HTR 220
HRK 206	HTR 206-HBR 207, HTR 214-HBR 215
HRK 208	HTR 208-HBR 209, HTR 216

Railing Kit

1. Two pre-drilled aluminum angle brackets. (Top Rail)
2. Two pre-drilled aluminum angle brackets with 5/16" tapped hole. (Bottom Rail)
3. Eight #14 x 2" self tapping screws.
4. Four 1/2" x 2" Panhead bolts.
4. Two 5/16" x 1 1/2" hex head bolts.

STAIR RAIL KITS

Simply add an (S)
HRKS 200

*Note: Must provide rise & run.

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BALUSTRADE SYSTEM - Installation Instructions

IMPORTANT

STEP 1

Mark the layout line and center points of each porch post and newel post prior to installation. This is very important to ensure the accurate length for installing the top and bottom rails. Use 12' as the maximum railing length.

STEP 2

WOOD DECKING INSTALLATION

1. Install blocking under where each newel's floor flange will be located.
2. Locate and center each floor flange and secure using 3/8" lag bolts.
3. Thread the 1/2" x 48" rod into the welded nut on the floor flange and tighten using vise grips.



CONCRETE INSTALLATION

1. Mark anchor hole in floor flange. Drill a 3/8" hole 1 1/4" deep into the cured concrete.
2. Insert anchor and using a punch, set the anchor pin.



STEP 3

1. Measure and combine the heights of the bottom rail and baluster (Distance X). This is the distance between the bottom of the angle brackets used to fasten railings to posts.
2. Mark the location and height of the bottom rail from the concrete or wood surface (Distance B).
3. Using the measurement of the rail and baluster (Distance X), locate the bottom of the top bracket.
4. Mark the top and bottom bracket on the newel post.
5. Mortise the newel post so that the face of the angle brackets are inset and are flush with the surface of the newel post.
6. Drill holes and secure angle brackets with #14 x 2 self tapping screws.



STEP 4

1. Rout the top of the newel post to accept the C-channel.
2. If trim collars are being used, slide them on the bottom before placing the newel post over the floor flange.
3. Put the C-channel in place and secure loosely with the nut and lock washer.



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STEP 5

1. Determine your rail length.
2. Cut top and bottom rail to proper size.
3. Mortise the bottom of each rail to accept the 2 1/2" aluminum angle.
4. Drill a single 5/16" hole in the bottom rail that corresponds with the single 5/16" threaded hole on the bottom 2 1/2" x 2 1/2" aluminum angle.
5. Mark a center line on rails. Mark the position of each baluster then drill a hole to accept the PVC pipe that extends out either end of the baluster. Standard hole saws work well for drilling these holes.
6. Apply a bead of urethane adhesive to the bottom of each baluster and place the balusters in the holes of the bottom rail. Apply a bead of urethane adhesive to the tops of each baluster and set the top rail on the balusters. Clamp together using strap clamps, making sure baluster blocks are square to the bottom and top rail. A straight strip of plywood wedged between the baluster blocks and strap clamps helps to align baluster blocks straight and parallel to the top and bottom rail.
7. Allow the adhesive to set for 12 hours.



STEP 6

1. Remove the strap clamps from completed railing section.
2. Apply a small bead of urethane adhesive to the aluminum angles that are fastened to the newel posts, and to the ends of each top and bottom rail.
3. Leave the newel posts loose so you can slide the glued up rail section between them without smearing glue on exposed parts of the newel post.
4. Fit the mortises on the undersides of the rail onto the 2 1/2" x 2 1/2" aluminum angle that is mounted to the newel post.
5. Predrill 1/8" holes through the holes in the top aluminum plates into the PVC pipe. Install 2 #14 x 2" pan head self tapping screws.
6. Thread the 5/16" x 1 1/4" bolt through the bottom plate and into the 5/16" hole you drilled in the underside of the bottom rail. (*Note: This 5/16" threaded bolt does not provide downforce. It is intended to keep the rail from moving laterally. Typical installations do not have enough room between the decking and the underside of the bottom rail for the use of screws.)
7. After securing rail section to newel posts tighten up the nut on the newel post, securing it to the deck.
8. Apply a small bead of urethane adhesive to the top of the newel post and glue the newel cap in place. Small brad nails will keep the cap aligned until the glue sets.

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BALUSTRADE SYSTEM - Installation Instructions

STEP 7

1. After the glue dries, clean off excess with a sharp putty knife. Caulk any cracks with a good quality latex paintable caulk.
2. Haas Architectural Millwork, Inc. recommends applying a finish coat of latex paint to your railing system..



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BALUSTRADE SYSTEM - Installation Instructions

Over the Newel Post Installation Kit

(Order 1 kit per Newel Post)

Wood Kit

1. One floor flange
2. Four 3/8" x 2" lag bolts
3. One 1/2" x 48" threaded rod
4. One "C" channel
5. One 1/2" flat washer
6. One 1/2" lock washer
7. One 1/2" Nut
8. One Top Rail H-Bracket

Concrete Kit

1. One floor flange
2. Four 3/8" x 2-1/4" concrete wedge bolts
3. One 1/2" x 48" threaded rod
4. One "C" channel
5. One 1/2" flat washer
6. One 1/2" lock washer
7. One 1/2" nut
8. One Top Rail H-Bracket

Kit Number*	Newel Posts	Fits
HNPk 304-8	In-Line Kit	8" Newel
HCNPK 304-8	Corner Kit	8" Newel
HNPk 304-12	In-Line Kit	12" Newel
HCNPK 204-12	Corner Kit	12" newel

*Note: Specify -W for wood application
or -C for concrete application

Ex. (HNPk 304-8-W or HNPk 304-8-C)

The only change for the OVER THE NEWEL INSTALLATION is the H-bracket is through bolted on top of the C-Channel of the Newel Kit. This also eliminates the need for standard top rail brackets. The top rail is then secured with screws through the pre-drilled hole in the H-Bracket.

Over the Newel Railing Installation Kit

(Order 1 kit per Rail Section)

Kit Number	Fits These Rails
HRK 206-B	HTR 206, HBR 207, HTR 214, HBR 215
HRK 208-B	HTR 208, HBR 209, HTR 216

* STAIR APPLICATION - Standard Stair Rail Kit. & Newel Kit. Over the Newel Kits are not made to work on stairs.



* Comes with Bottom Brackets only.

Over the Newel Railing Kit

1. Two pre-drilled aluminum angle brackets with 5/16" tapped hole (Bottom Rail)
2. Eight #14 x 2" self tapping screws
3. Four 1/2" x 2" Panhead bolts
4. Two 5/16" x 1 1/2" hex head bolts

RAIL KITS

Part No. HRK 208 ; HRK 216

STAIR RAIL KITS

Part No. HRKS 208 / HRKS 216

**Customer must specify rise and run of stairs
1 KIT PER TOP & BOTTOM RAIL SECTION

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BALUSTRADE SYSTEMS - Order Information & Calculations

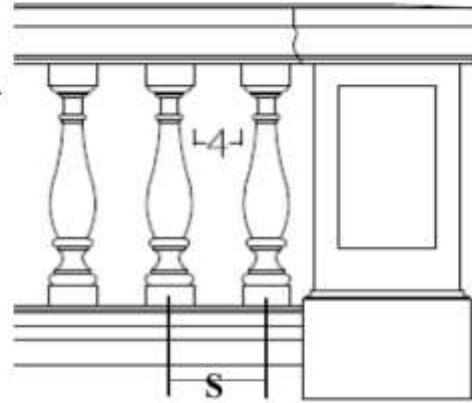
Order Calculation & Information Sheet

Calculate Number of Balusters

Divide the rail length between your newel posts by the (S) dimension under each baluster in the catalogue.

S = Spacing on Center

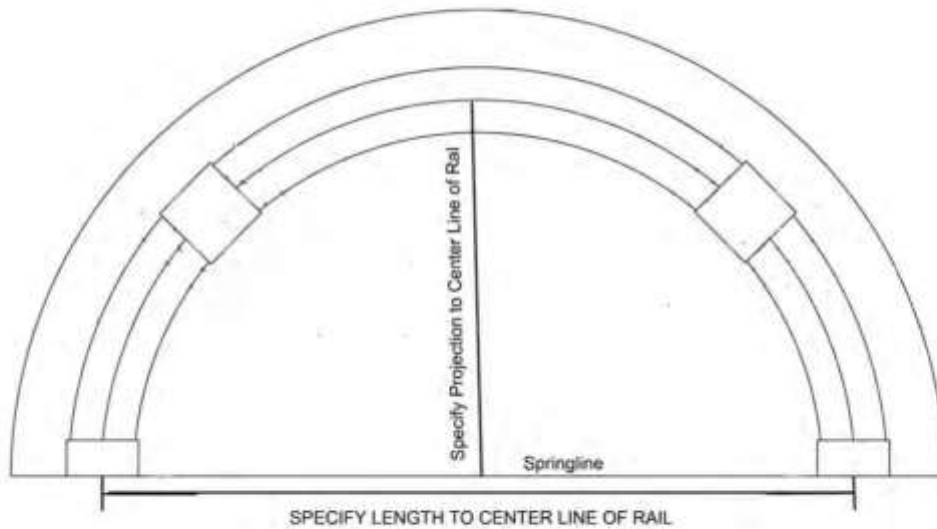
Stair Rail Kits - Provide Rise & Run of Steps



Radius Rails Information

Provide Radius, or Width & Projection of the Porch or from Springline to center line of rail.

RADIUS _____ or (Width _____", Projection _____")



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BRACKETS & DENTIL BLOCKS

BRACKETS

HBKT 100  <table border="1"> <tr><td>W</td><td>4-7/8"</td></tr> <tr><td>H</td><td>8"</td></tr> <tr><td>Proj.</td><td>8"</td></tr> </table>		W	4-7/8"	H	8"	Proj.	8"	HBKT 101  <table border="1"> <tr><td>W</td><td>5-3/8"</td></tr> <tr><td>H</td><td>20"</td></tr> <tr><td>Proj.</td><td>4-7/8"</td></tr> </table>		W	5-3/8"	H	20"	Proj.	4-7/8"	HBKT 108  <table border="1"> <tr><td>W</td><td>7-3/4"</td></tr> <tr><td>H</td><td>20"</td></tr> <tr><td>Proj.</td><td>11"</td></tr> </table>		W	7-3/4"	H	20"	Proj.	11"		
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HBKT 108-1  <table border="1"> <tr><td>W</td><td>7-5/8"</td></tr> <tr><td>H</td><td>18-1/4"</td></tr> <tr><td>Proj.</td><td>6-5/8"</td></tr> </table>		W	7-5/8"	H	18-1/4"	Proj.	6-5/8"	HBKT 111  <table border="1"> <tr><td>W</td><td>10"</td></tr> <tr><td>H</td><td>12"</td></tr> <tr><td>Proj.</td><td>7-1/4"</td></tr> </table>		W	10"	H	12"	Proj.	7-1/4"	HBKT 112  <table border="1"> <tr><td>W</td><td>3-1/2"</td></tr> <tr><td>H</td><td>30"</td></tr> <tr><td>Proj.</td><td>14"</td></tr> </table>		W	3-1/2"	H	30"	Proj.	14"		
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Proj.	14"																								
HBKT 118  <table border="1"> <tr><td>W</td><td>8-1/8"</td></tr> <tr><td>H</td><td>7-5/8"</td></tr> <tr><td>Proj.</td><td>18-3/4"</td></tr> </table>		W	8-1/8"	H	7-5/8"	Proj.	18-3/4"	HBKT 121  <table border="1"> <tr><td>W</td><td>4"</td></tr> <tr><td>H</td><td>15-3/4"</td></tr> <tr><td>Proj.</td><td>14"</td></tr> </table>		W	4"	H	15-3/4"	Proj.	14"	HBKT 126  <table border="1"> <tr><td>W</td><td>4-1/4"</td></tr> <tr><td>H</td><td>23-1/2"</td></tr> <tr><td>Proj.</td><td>17 1/2"</td></tr> </table>		W	4-1/4"	H	23-1/2"	Proj.	17 1/2"		
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HBKT 133  <table border="1"> <tr><td>W</td><td>6-5/8"</td></tr> <tr><td>H</td><td>16-5/8"</td></tr> <tr><td>Proj.</td><td>8-1/8"</td></tr> </table>		W	6-5/8"	H	16-5/8"	Proj.	8-1/8"	HBKT 150-1  <table border="1"> <tr><td>W</td><td>12"</td></tr> <tr><td>H</td><td>12"</td></tr> <tr><td>Proj.</td><td>2"</td></tr> </table>		W	12"	H	12"	Proj.	2"	CUSTOM BRACKETS AVAILABLE 									
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HBKT 150-1 BIP  <table border="1"> <tr><td>W</td><td>12"</td></tr> <tr><td>H</td><td>12"</td></tr> <tr><td>Proj.</td><td>2"</td></tr> </table>		W	12"	H	12"	Proj.	2"	HBKT 154  <table border="1"> <tr><td>W</td><td>2"</td></tr> <tr><td>H</td><td>10-1/4"</td></tr> <tr><td>Proj.</td><td>7-1/4"</td></tr> </table>		W	2"	H	10-1/4"	Proj.	7-1/4"										
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HBKT 168  <table border="1"> <tr><td>W</td><td>2-3/4"</td></tr> <tr><td>H</td><td>16"</td></tr> <tr><td>Proj.</td><td>9-3/4"</td></tr> </table>		W	2-3/4"	H	16"	Proj.	9-3/4"	HBKT 178  <table border="1"> <tr><td>W</td><td>8-1/4"</td></tr> <tr><td>H</td><td>15"</td></tr> <tr><td>Proj.</td><td>7-7/8"</td></tr> </table>		W	8-1/4"	H	15"	Proj.	7-7/8"	HBKT 179  <table border="1"> <tr><td>W</td><td>2-3/4"</td></tr> <tr><td>H</td><td>16"</td></tr> <tr><td>Proj.</td><td>9-3/4"</td></tr> </table>		W	2-3/4"	H	16"	Proj.	9-3/4"		
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HBKT 181  <table border="1"> <tr><td>W</td><td>5-1/2"</td></tr> <tr><td>H</td><td>13"</td></tr> <tr><td>Proj.</td><td>12"</td></tr> </table>		W	5-1/2"	H	13"	Proj.	12"	HBKT 220  <table border="1"> <tr><td>W</td><td>4"</td></tr> <tr><td>H</td><td>16"</td></tr> <tr><td>Proj.</td><td>8"</td></tr> </table>		W	4"	H	16"	Proj.	8"	HBKT 288 / HBKT 288-1  <table border="1"> <tr><td colspan="2">HBKT 288 / HBKT 288-1</td></tr> <tr><td>W</td><td>2" 2"</td></tr> <tr><td>H</td><td>8" 11-7/8"</td></tr> <tr><td>Proj.</td><td>8" 8"</td></tr> </table>		HBKT 288 / HBKT 288-1		W	2" 2"	H	8" 11-7/8"	Proj.	8" 8"
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HBKT 372		HBKT 400-30			
	W 6-3/4" H 4-3/8" Proj. 6-3/4"		W 3-1/2" H 30-1/4" Proj. 28"		
HBKT 400-30 BIP		HBKT 403-12			
	W 3-1/2" H 30-1/4" Proj. 28"		W 1-1/4" H 12" Proj. 12"		
HBKT 405-6 / HBKT 405-4		HBKT 406-10		HBKT 406-15	
	W 1-1/2" / 1-1/2" H 6" / 4" Proj. 5-7/8" / 4-1/8"		W 3" H 10-5/8" Proj. 7-1/2"		W 3-1/2" H 15-3/8" Proj. 11"
HBKT 406-19		HBKT 408-16		HBKT 409-8	
	W 3-1/2" H 19" Proj. 15-1/2"		W 4-1/2" H 16" Proj. 10-1/2"		W 3-1/2" H 8" Proj. 6-1/2"
HBKT 409-10		HBKT 409-10-1		HBKT 409-10-4	
	W 3-1/2" H 10" Proj. 5-1/4"		W 3-1/2" H 10" Proj. 4"		W 4" H 10" Proj. 5-1/4"
HBKT-R 409-10		HBKT 409-24		HBKT 410-1	
	W 3-1/2" H 10" Proj. 5-1/4" <small>*Woodgrain</small>		W 6" H 24" Proj. 10"		W 3-5/8" H 5-1/4" Proj. 13"
HBKT 411-12		HBKT 412-14		HBKT 414-9	
	W 1" H 11-7/8" Proj. 11-7/8"		W 6" H 14" Proj. 8"		W 4" H 9-3/4" Proj. 7"

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BRACKETS

HBKT 414-11  W 6" H 11" Proj. 7"	HBKT 415-18  W 3-3/8" H 18" Proj. 18"	HBKT 416  W 6" H 6" Proj. 36"
HBKT 417-36  W 6" H 36" Proj. 36"	HBKT 418-36  W 6" H 36" Proj. 36"	HBKT 419-16  W 6" H 16-1/4" Proj. 11"
HBKT 420-11  W 6" H 6-5/8" Proj. 10-7/8"	HBKT 421-17  W 2" H 17-1/4" Proj. 9-5/8"	HBKT 422-11  W 7/8" H 11-1/2" Proj. 7-3/4"
HBKT 423  W 7-1/2" H 30" Proj. 14-1/4"	HBKT 426-24  W 4" H 23-7/8" Proj. 18-5/8"	HBKT 428-32  W 3" H 32" Proj. 20"
HBKT 430  W 3-1/2" H 26-1/2" Proj. 18-1/2"	HBKT 432  W 4-1/2" H 15-1/2" Proj. 20"	HBKT 434  W 4" H 14" Proj. 18"
HBKT 436-21  W 3-1/2" H 21" Proj. 12"	HBKT 438-24  W 3" H 24" Proj. 20"	HBKT 488  W 3-3/4" H 8-1/4" Proj. 8"
HBKT 502  W 3-1/2" H 8-3/4" Proj. 3-1/2"	HBKT 521  W 6" H 10" Proj. 9-3/8"	HBKT 616  W 4" H 12" Proj. 10"

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HBKT 617  W 5" H 12" Proj. 5"	HBKT 619  W 9-1/4" H 11-1/2" Proj. 23-1/2"	HBKT 627  W 2-3/4" H 22" Proj. 22"
HBKT 628  W 7" H 10-9/16" Proj. 10-9/16"	HBKT 711  W 3-1/2" H 11" Proj. 7"	HBKT 719  W 12" H 7-1.2" Proj. 7"
HBKT 725  W 3-1/2" H 36" Proj. 42"	HBKT 730  W 7" H 30" Proj. 10"	HBKT 800  W 2-1/4" H 5-7/8" Proj. 5-7/16"
HBKT 1011  W 3" H 11" Proj. 10"	HBKT 1313  W 3" H 13" Proj. 13"	HBKT 1426  W 6-1/2" H 25-1/2" Proj. 14-1/2"
HBKT 1410  W 4" H 10" Proj. 14"	HBKT 1616  W 2" H 15-7/8" Proj. 15-7/8"	
HBKT 1710  W 5" H 10" Proj. 17"	HBKT 1810  W 7-1/4" H 10" Proj. 18"	HBKT 2533  W 2" H 15-7/8" Proj. 15-7/8"
HBKT 7612  W 7" H 6" Proj. 12"	HBKT 8166  W 6-3/16" H 16-5/8" Proj. 8-3/16"	HBKT 10109  W 9" H 10" Proj. 10"

BRACKETS & DENTIL BLOCKS



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BRACKETS & DENTIL BLOCKS

BRACKETS

HBKT 42525  W 4" H 25" Proj. 25"	HBKT 63440  W 5-7/8" H 40" Proj. 34"	HBKTR 409-10*  W 3-1/2" H 10" Proj. 5-1/4" *Rough Bracket
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DENTIL BLOCKS

HDB 114  W 6" H 6" Proj. 13-1/2"	HDB 114-1  W 7-1/2" H 6" Proj. 13-1/2"	HDB 122  W 4-1/2" H 4-1/2" Proj. 36"	
HDB 135  W 7-1/4" H 4-3/4" Proj. 10" Available 5/12 Pitch.	HDB 214  W 4-1/2" H 9-5/8" Proj. 8-1/2"	HDB 410  W 4-3/4" H 7-1/4" Proj. 10"	
CUSTOM DENTIL BLOCKS CONTACT US FOR A QUOTE.		HDB 462  W 2-1/2" H 3-1/4" Proj. 6"	HDB 470-1  W 5-1/8" H 3-1/2" Proj. 7-3/4"
HDB 470-2  W 5" H 4-1/4" Proj. 7-3/4" Available on pitch. Call or fax request.	HDB 470-2-LP10  W 5" Proj. 7-3/4" Pitch 10/12	HDB 470-2-RP10  W 5" Proj. 7-3/4" Pitch 10/12	
HDB 471  W 3-1/2" H 3-1/2" Proj. 3-1/2"	HDB 471-1  W 4" H 4" Proj. 8"	HDB 472  W 4" H 4" Proj. 6" Available on pitch. Call or fax request.	

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DENTIL BLOCKS

HDB 472-1  W 4" H 4" Proj. 11-3/8"	HDB 473  W 4-7/8" H 3" Proj. 5-5/8" Available on pitch. Call or fax request.	HDB 474  W 5-15/16" H 7-1/8" Proj. 9-1/2"
HDB 475  W 4-7/16" H 4" Proj. 9"	HDB 475-1  W 4-7/16" H 4" Proj. 16"	HDB 476  W 4-5/8" H 2-7/8" Proj. 4-1/8"
HDB 476-1  W 4-5/8" H 2-7/8" Proj. 7-5/16"	HDB 477  W 3-1/2" H 5-1/8" Proj. 7-3/4"	HDB 477-1  W 5-7/8" H 5-3/4" Proj. 9-3/4" Available on pitch. Call or fax request.
HDB 477-2  W 4-1/2" H 5" Proj. 7-3/4" Available on pitch. Call or fax request.	HDB 505  W 5" H 3-3/8" Proj. 7-3/4"	 
HDB 506  W 3-3/4" H 3-3/4" Proj. 4-3/8"	HDB 510  W 4-3/4" H 6" Proj. 5"	
HDB 513  W 4-3/8" H 6-7/8" Proj. 5-3/8"	HDB 521  W 6" H 10" Proj. 9-3/8"	

Pitched Dentil Blocks

Many Dentil Blocks are available on pitch.
Specify (L) or (R) and the desired pitch.

Ex. HDB 472LP-7/12 / HDB 472RP-7/12



ALL DENTIL BLOCKS
CAN BE COPED.



BRACKETS & DENTIL BLOCKS



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BRACKETS & DENTIL BLOCKS

DENTIL BLOCKS



HDB 542



W 8"
H 4"
Proj. 16"

HDB 560



W 6"
H 5"
Proj. 6"

HDB 668



W 5-1/2"
H 5-3/8"
Proj. 8"

HDB 700



W 3-1/2"
H 4-5/8"
Proj. 14-5/8"

HDB 800



W 3-3/4"
H 4-1/2"
Proj. 8-5/8"
Available on pitch.
Call or fax request.

HDB 800-LP-7 / HDB 800-RP-7



W 3-3/4"
H 4-1/2"
Proj. 8-5/8"
7/12 Pitch

HDB 803*



W 3-3/4"
H 5"
Proj. 8"
*Coped

*Coped Dentil Blocks

*Pitched Dentil Blocks

*Custom Dentil Blocks

Call us with your request
717-246-6290

HDB 820



W 6-3/8"
H 5"
Proj. 7"

HDB 900



W 5"
H 4"
Proj. 3-1/2"

HDB 900-1



W 5"
H 4"
Proj. 6-1/4"

HDB 900-2



W 5"
H 5-1/2"
Proj. 7-1/4"

Pitched Dentil Blocks

Many Dentil Blocks are available on pitch.
Specify (L) or (R) and the desired pitch.

Ex. HDB 472LP-7/12 / HDB 472RP-7/12



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RAFTER TAILS

HRAFT 424



HRAFT 480



HRAFT 460



HRAFT 490



HRAFT 470



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ENTRANCE SYSTEM SELECTION GUIDE

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Entrance System Gallery



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ENTRANCE SYSTEMS

3" ENTRANCE SYSTEM



Crosshead & Combination Crosshead/Pediment Selection Chart

100 SERIES PILASTER WIDTHS						SINGLE DOOR					
3-3/4"	4-1/2"	5-1/4"	6-3/4"	7-1/2"	9"	Description	Part No.	Bottom Width	Top Width	Height	Proj
Distance Between Pilasters											
40"	38-1/2"	37"	34"	32-1/2"	29-1/2"	Crosshead	HCP 47-1/2	47-1/2"	53-1/4"	6"	3"
						Crosshead w/Key	HCPK 47-1/2			9"	
						Acorn Combo	HACP 47-1/2			20-3/4"	
						Peak Combination	HPCP 47-1/2			19-5/8"	
						Plain Segment Combo	HPSCP 47-1/2			19-7/8"	
						Rams Head Combo	HRHCP 47-1/2			25"	
						Segment Sunburst Combo	HSCP 47-1/2			19-7/8"	
44-1/4"	42-3/4"	44-1/2"	38-1/4"	36-3/4"	33-3/4"	Crosshead	HCP 51-3/4	51-3/4"	56-1/4"	6"	3"
						Crosshead w/Key	HCPK 51-3/4			9"	
						Acorn Combo	HACP 51-3/4			21-1/2"	
						Peak Combination	HPCP 51-3/4			19-5/8"	
						Plain Segment Combo	HPSCP 51-3/4			19-7/8"	
						Rams Head Combo	HRHCP 51-3/4			25"	
						Segment Sunburst Combo	HSCP 51-3/4			19-7/8"	
47-1/2"	46"	44-1/2"	41-1/2"	40"	37"	Crosshead	HCP 55	55"	59"	6"	3"
						Crosshead w/Key	HCPK 55			9"	
						Acorn Combo	HACP 55			21-1/4"	
						Peak Combination	HPCP 55			23-1/4"	
						Plain Segment Combo	HPSCP 55			22-5/8"	
						Rams Head Combo	HRHCP 55			25-3/4"	
						Segment Sunburst Combo	HSCP 55			22-5/8"	
59"	57-1/2"	56"	53"	51-1/2"	48-1/2"	Crosshead	HCP 66-1/2	66-1/2"	70-1/2"	6"	3"
						Crosshead w/Key	HCPK 66-1/2			9"	
						Acorn Combo	HACP 66-1/2			24-7/8"	
						Peak Combination	HPCP 66-1/2			22-1/8"	
						Plain Segment Combo	HPSCP 66-1/2			22-1/4"	
						Rams Head Combo	HRHCP 66-1/2			28-1/2"	
						Segment Sunburst Combo	HSCP 66-1/2			22-1/4"	

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3" ENTRANCE SYSTEMS

Crosshead & Combination Crosshead/Pediment Selection Chart											
PILASTER WIDTHS						SINGLE DOOR w/ SIDELITES & DOUBLE DOORS					
3-3/4"	4-1/2"	5-1/4"	6-3/4"	7-1/2"	9"	Description	Part No.	Bottom Width	Top Width	Height	Proj
Distance Between Pilasters											
68"	66-1/2"	65"	62"	60-1/2"	57-1/2"	Crosshead	HCP 75-1/2	75-1/2"	79-1/2"	6"	3"
						Crosshead w/Key	HCPK 75-1/2			9"	
						Acorn Combo	HACP 75-1/2			24-1/4"	
						Peak Combination	HPCP 75-1/2			25-1/8"	
						Plain Segment Combo	HPSCP 75-1/2			23-1/4"	
						Rams Head Combo	HRHCP 75-1/2			28-1/2"	
						Segment Sunburst Combo	HSCP 75-1/2			23-1/4"	
71-3/4"	70-1/4"	68-3/4"	65-3/4"	64-1/4"	61-1/4"	Crosshead	HCP 79-1/4	79-1/4"	83-1/4"	6"	3"
						Crosshead w/Key	HCPK 79-1/4			9"	
						Acorn Combo	HACP 79-1/4			24"	
						Peak Combination	HPCP 79-1/4			19-5/8"	
						Plain Segment Combo	HPSCP 79-1/4			24-1/4"	
						Rams Head Combo	HRHCP 79-1/4			28-5/8"	
						Segment Sunburst Combo	HSCP 79-1/4			24-1/4"	
75-3/4"	74-1/4"	72-3/4"	69-3/4"	68-1/4"	65-1/4"	Crosshead	HCP 83-1/4	83-1/4"	87-1/4"	6"	3"
						Crosshead w/Key	HCPK 83-1/4			9"	
						Acorn Combo	HACP 83-1/4			26"	
						Peak Combination	HPCP 83-1/4			25-5/8"	
						Plain Segment Combo	HPSCP 83-1/4			25-1/4"	
						Rams Head Combo	HRHCP 83-1/4			28-5/8"	
						Segment Sunburst Combo	HSCP 83-1/4			25-1/4"	

100 SERIES PILASTER SELECTION CHART						
Fluted	Panel	Plain	Width	Height	Proj	
HPIL 160-3-90		HPIL 162-3-90	3-3/4"	90"	1-5/8"	
HPIL 160-3-120"		HPIL 162-3-120"	3-3/4"	120"		
HPIL 160-3-144"		HPIL 162-3-144"	3-3/4"	144"		
HPIL 160-4-90		HPIL 162-4-90	4-1/2"	90"		
HPIL 160-4-120"		HPIL 162-4-120"	4-1/2"	120"		
HPIL 160-4-144"		HPIL 162-4-144"	4-1/2"	144"		
HPIL 160-5-90	HPIL 161-5-90	HPIL 162-5-90	5-1/4"	90"		
HPIL 160-5-120"	HPIL 161-5-120	HPIL 162-5-120"	5-1/4"	120"		
HPIL 160-5-144"	HPIL 161-5-144	HPIL 162-5-144"	5-1/4"	144"		
HPIL 160-6-90	HPIL 161-6-90	HPIL 162-6-90	6-3/4"	90"		
HPIL 160-6-120"	HPIL 161-6-120	HPIL 162-6-120"	6-3/4"	120"		
HPIL 160-6-144"	HPIL 161-6-144	HPIL 162-6-144"	6-3/4"	144"		
HPIL 160-7-90	HPIL 161-7-90	HPIL 162-7-90	7-1/2"	90"		
HPIL 160-7-120"	HPIL 161-7-120	HPIL 162-7-120"	7-1/2"	120"		
HPIL 160-7-144"	HPIL 161-7-144	HPIL 162-7-144"	7-1/2"	144"		
HPIL 160-9-90		HPIL 162-9-90	9"	90"		
HPIL 160-9-120"		HPIL 162-9-120"	9"	120"		
HPIL 160-9-144"		HPIL 162-9-144"	9"	144"		

* Comes with Loose Plinth

ENTRANCE SYSTEMS



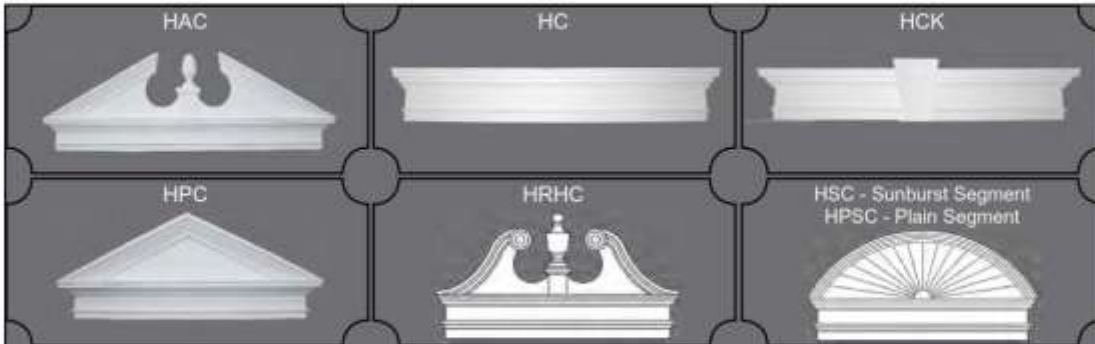
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4" ENTRANCE SYSTEMS



ENTRANCE SYSTEMS

200 SERIES Pilaster Widths										SINGLE DOOR					
5"	6"	7"	8"	9"	10"	11"	12"	Distance Between Pilasters		Description	Part No.	Bottom Width	Top Width	Height	Proj.
40"	38"	36"	34"	32"	30"	28"	26"			Crosshead	HC 50	50"	65-3/4"	9"	4"
										Crosshead w/Key	HCK 50			11"	
										Acorn Combo	HAC 50			23"	
										Peak Combo	HPC 50			23"	
										Plain Segment Combo	HPSC 50			23"	
										Rams Head Combo	HRHC 50			29"	
										Segment Sunburst Combo	HSC 50			23"	
44"	42"	40"	38"	36"	34"	32"	30"			Crosshead	HC 54	54"	59-3/4"	9"	4"
										Crosshead w/Key	HCK 54			11"	
										Acorn Combo	HAC 54			24"	
										Peak Combo	HPC 54			24"	
										Plain Segment Combo	HPSC 54			24"	
										Rams Head Combo	HRHC 54			30"	
										Segment Sunburst Combo	HSC 54			24"	
SINGLE DOOR & SINGLE DOOR W/SIDELITE															
50"	48"	46"	44"	42"	40"	38"	36"			Crosshead	HC 60	60"	65-3/4"	9"	4"
										Crosshead w/Key	HCK 60			11"	
										Acorn Combo	HAC 60			25-1/2"	
										Peak Combo	HPC 60			25-1/2"	
										Plain Segment Combo	HPSC 60			25-1/2"	
										Rams Head Combo	HRHC 60			31-1/2"	
										Segment Sunburst Combo	HSC 60			25-1/2"	
56"	54"	52"	50"	48"	46"	44"	42"			Crosshead	HC 66	66"	71-3/4"	9"	4"
										Crosshead w/Key	HCK 66			11"	
										Acorn Combo	HAC 66			27"	
										Peak Combo	HPC 66			27"	
										Plain Segment Combo	HPSC 66			27"	
										Rams Head Combo	HRHC 66			33"	
										Segment Sunburst Combo	HSC 66			27"	
68"	66"	64"	62"	60"	58"	56"	54"			Crosshead	HC 78	78"	83-3/4"	9"	4"
										Crosshead w/Key	HCK 78			11"	
										Acorn Combo	HAC 78			30"	
										Peak Combo	HPC 78			30"	
										Plain Segment Combo	HPSC 78			30"	
										Rams Head Combo	HRHC 78			36"	
										Segment Sunburst Combo	HSC 78			30"	

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4" ENTRANCE SYSTEMS

Crosshead & Combination Crosshead/Pediment Selection Chart													
200 SERIES Pilaster Widths								SINGLE DOOR w/ SIDELITES & DOUBLE DOORS					
5"	6"	7"	8"	9"	10"	11"	12"	Description	Part No.	Bottom Width	Top Width	Height	Proj
Distance Between Pilasters													
72"	70"	68"	66"	64"	62"	60"	58"	Crosshead	HC 82	82"	87-3/4"	9"	4"
								Crosshead w/Key	HCK 82			11"	
								Acorn Combo	HAC 82			31"	
								Peak Combo	HPC 82			31"	
								Plain Segment Combo	HPSC 82			31"	
								Rams Head Combo	HRHC 82			37"	
								Segment Sunburst Combo	HSC 82			31"	
76"	74"	72"	70"	68"	66"	64"	62"	Crosshead	HC 86	86"	91-3/4"	9"	4"
								Crosshead w/Key	HCK 86			11"	
								Acorn Combo	HAC 86			32"	
								Peak Combo	HPC 86			32"	
								Plain Segment Combo	HPSC 86			32"	
								Rams Head Combo	HRHC 86			38"	
								Segment Sunburst Combo	HSC 86			32"	
84"	82"	80"	78"	76"	74"	72"	70"	Crosshead	HC 94	94"	99-3/4"	9"	4"
								Crosshead w/Key	HCK 94			11"	
								Acorn Combo	HAC 94			34"	
								Peak Combo	HPC 94			34"	
								Plain Segment Combo	HPSC 94			34"	
								Rams Head Combo	HRHC 94			40"	
								Segment Sunburst Combo	HSC 94			34"	

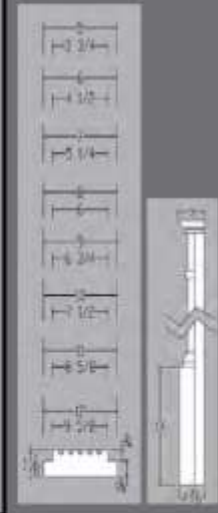
200 SERIES PILASTER SELECTION CHART

Fluted	Panel	Plain	Width	Height	Proj
HPIL 260-5-90		HPIL 262-5-90	5"	90"	3"
HPIL 260-5-120"		HPIL 262-5-120"	5"	120"	
HPIL 260-6-90		HPIL 262-6-90	6"	90"	
HPIL 260-6-120"		HPIL 262-6-120"	6"	120"	
HPIL 260-7-90	HPIL 261-7-90	HPIL 262-7-90	7"	90"	
HPIL 260-7-102"			7"	102"	
HPIL 260-7-116"			7"	116"	
HPIL 260-7-120"	HPIL 261-7-120	HPIL 262-7-120"	7"	120"	
HPIL 260-7-144"		HPIL 262-7-144"	7"	144"	
HPIL 260-8-90	HPIL 261-8-90	HPIL 262-8-90	8"	90"	
HPIL 260-8-120"	HPIL 261-8-120	HPIL 262-8-120"	8"	120"	
HPIL 260-8-144"		HPIL 262-8-144"	8"	144"	
HPIL 260-9-90	HPIL 261-9-90	HPIL 262-9-90	9"	90"	
HPIL 260-9-102"	HPIL 261-9-102		9"	102"	
HPIL 260-9-120"	HPIL 261-9-120	HPIL 262-9-120"	9"	120"	
HPIL 260-9-144"		HPIL 262-9-144"	9"	144"	
HPIL 260-10-90	HPIL 261-10-90	HPIL 262-10-90"	10"	90"	
	HPIL 261-10-108		10"	108"	
HPIL 260-10-120"	HPIL 261-10-120	HPIL 262-10-120"	10"	120"	
HPIL 260-10-144"	HPIL 261-10-144	HPIL 262-10-144"	10"	144"	
HPIL 260-11-90	HPIL 261-11-90	HPIL 262-11-90	11"	90"	
		HPIL 262-11-108"	11"	108"	
HPIL 260-11-120"		HPIL 262-11-120"	11"	120"	
HPIL 260-11-144"		HPIL 262-11-144"	11"	144"	
HPIL 260-12-90		HPIL 262-12-90	12"	90"	
		HPIL 262-12-108"	12"	108"	
HPIL 260-12-120"		HPIL 262-12-120"	12"	120"	
HPIL 260-12-144"		HPIL 262-12-144"	12"	144"	

FLUTED / PANEL / PLAIN



*Pilasters provided with Loose Plinth.



ENTRANCE SYSTEMS



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HGL - GOTHIC LOUVER

Part No.	W	Proj	H
HGL 18x36	18"	36"	2"
HGL 18x48	18"	48"	2"
HGL 18x54	18"	54"	2"

HCTL - CIRCLE TOP LOUVER



Part No.	W	H	Proj
HCTL 12x18	24"	18"	2"
HCTL 12x24	12"	24"	2"
HCTL 12x30	12"	30"	2"
HCTL 16x24	16"	24"	2"
HCTL 16x42	16"	42"	2"
HCTL 18x30	18"	30"	2"
HCTL 22x32	22"	32"	2"

****SPECIFY OPEN OR CLOSED****

Example:
HRL 18-O Open with screen
HRL 18-C Closed

HDL - DIAMOND LOUVER



Part No.	W	Proj
HDL 14	14"	2"
HDL 24	24"	2"

HHOVL - HORIZONTAL OVAL LOUVER



Part No.	W	H	Proj
HHOVL 35x26	35"	26"	2"

HETL - EYEBROW LOUVER



Part No.	W	H	Proj
HETL 12x24	12"	24"	2"
HETL 18x30	18"	30"	2"

HHOVLTK - HORIZONTAL OVAL KESTONE LOUVER



Part No.	W	H	Proj
HHOVLTK 29 X 20	29"	20-5/8"	2-1/2"

3-1/2" & 5-1/2" Flat Trim Surrounds
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CUSTOM STYLES & SIZES AVAILABLE
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HOCL- OCTAGON LOUVER



Part No.	W	Proj
HOCL 22	22"	2"
HOCL 24	24"	2"
HOCL 27-1/2	27-1/2"	2"

HHRL - HALF ROUND LOUVER



Part No.	W	H	Proj
HHRL 18	18"	9"	2"
HHRL 24	24"	12"	2"
HHRL 28	28"	14"	2"
HHRL 30	30"	15"	2"
HHRL 32	32"	16"	2"
HHRL 36	36"	18"	2"
HHRL 40	40"	20"	2"

HRKL - ROUND KEYSTONE LOUVER



Part No.	W	Proj
HRKL 18	18"	3"
HRKL 24	24"	3"
HRKL 30	30"	3"
HRKL 32	32"	3"
HRKL 36	36"	3"
HRKL 40	40"	3"

HHRKL - HALF ROUND KEYSTONE LOUVER



Part No.	W	H	Proj
HHRKL 18	18"	9"	2"
HHRKL 24	24"	12"	2"
HHRKL 30	30"	15"	2"
HHRKL 32	32"	16"	2"
HHRKL 36	36"	18"	2"
HHRKL 40	40"	20"	2"

HRL - ROUND LOUVER



Part No.	W	Proj
HRL 18	18"	2"
HRL 22	22"	2"
HRL 24	24"	2"
HRL 28	28"	2"
HRL 30	30"	2"
HRL 36	36"	2"

****SPECIFY OPEN OR CLOSED****
 Example:
 HRL 18-O Open with screen
 HRL 18-C Closed

HRECTL - RECTANGLE LOUVER



HRECTL

HRECTL \$
Bottom Sill

Part No.	W	H	Proj
HRECTL 12x18	12"	18"	2"
HRECTL 12x24	12"	24"	2"
HRECTL 16x24	16"	24"	2"
HRECTL 16x36	16"	36"	2"
HRECTL 18x24	18"	24"	2"
HRECTL 18x30	18"	30"	2"
HRECTL 21.5x27.5	21.5"	27.5"	2"
HRECTL 24x30	24"	30"	2"
HRECTL 24x36	24"	36"	2"
HRECTL 32x16	32"	16"	2"
HRECTL 36x48	36"	48"	2"

LOUVERS WITH FLAT TRIM
 AVAILABLE - CONTACT US

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HRLT - ROUND W/ 3-1/2" FLAT TRIM LOUVER



Part No.	W	Proj
HRLT 27	27"	2"
HRLT 34	34"	2"



SPECIFY OPEN OR CLOSED

Example:
 HRL 18-O Open with screen
 HRL 18-C Closed

HRLTK - ROUND LOUVER W/ 3-1/2" FLAT TRIM



Part No.	W	Proj
HRLTK 24	24"	2"

HRLTRK - ROUND LOUVER WITH 3-1/2" FLAT TRIM & RECESSED KEYSTONES



Part No.	W	Proj
HRLTRK 24	24"	2"
HRLTRK 27	27"	2"
HRLTRK 34	34"	2"

Note: Width Projection do not include keystones.

HVOVL - VERTICAL OVAL LOUVER



Part No.	W	H	Proj
HVOVL 28x35	28"	35"	2"

3-1/2" & 5-1/2" Flat Trim Surrounds
 CONTACT US



HTL - TRIANGLE LOUVER



Part No.	W	H	Proj	Pitch
HTL 36x18	36"	18"	2"	12/12
HTL 64x26.5	64"	26-1/2"	2"	10/12
HTL 64x32	64"	32"	2"	12/12
HTL 84x17	84"	17-1/2"	2"	5/12
HTL 120x30	120"	30"	2"	6/12
*HTL - LR 115x35	115"	35"	2"	7.125/12

*HTL - LR 115 x 35 - Supplied as halves, left & right.



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LOUVERS

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CEILING MEDALLIONS

HCM 2002-14



1-1/2" x 14-1/2"

Flower Medallion with Distressed Tin Pattern.

HCM 2003-14



1-1/4" x 14"

HCM 2024-18 / HCM 2024-25



1-3/4" x 18"

HCM 2025-28



2-3/4" x 27-3/4"

HCM 2026-24



1-1/8" x 23-7/8"

HCM 2030-31



1-1/8" x 31"

HCM 3324-24



1-1/8" x 23-7/8"

HCM 5021-24 / HCM 5021-31



2-3/4" x 24" / 2-3/4" x 31"

HLCM 5030-37



2-1/2" x 37"

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GABLE DECORATIONS

HGD 200 - Victorian



<i>Part No.</i>	<i>Pitch</i>	<i>Width</i>	<i>Height</i>	<i>Proj</i>
HGD 200 64 X 32	12/12	64"	32"	1"
HGD 200 64 X 29-3/8	10/12	64"	29-3/8"	1"
HGD 200 88 X 29-3/8	8/12	88"	29-3/8"	1"

* Custom sizes available.

HGD 300 - Colonial



<i>Part No.</i>	<i>Pitch</i>	<i>Width</i>	<i>Height</i>	<i>Proj</i>
HGD 300 64 X 32	12/12	64"	32"	2-3/4"
HGD 300 64 X 29-3/8	10/12	64"	29-3/8"	2-3/4"
HGD 300 88 X 29-3/8	8/12	88"	29-3/8"	2-3/4"

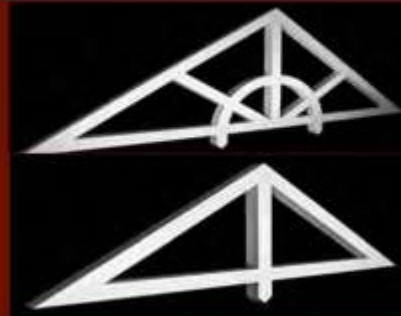
* Custom sizes available.

HGD 400 - Sunburst



Custom sizes available.
Please call for quote.

HGAB



<i>Part No.</i>	<i>Pitch</i>	<i>Width</i>	<i>Height</i>	<i>Proj</i>
HGAB 80-8-12-2	8/12	79-7/8"	26-3/4"	2"

* Custom sizes available.

<i>Part No.</i>	<i>Pitch</i>	<i>Width</i>	<i>Height</i>	<i>Proj</i>
HGAB 80-8-12-3	8/12	79-7/8"	26-3/4"	3"



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DECORATIVE ELEMENTS



HGAB

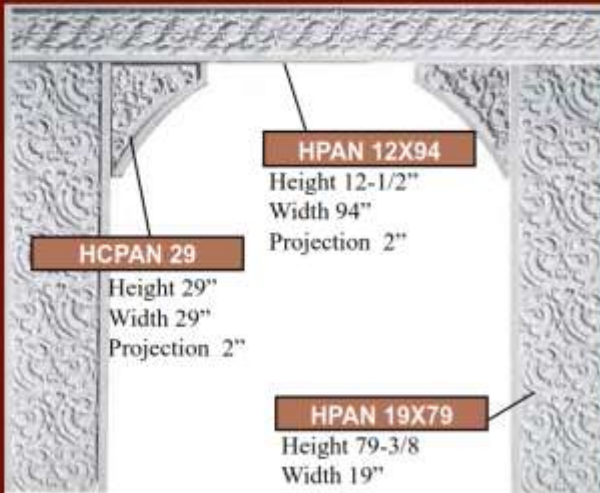
Part No.	Pitch	Width	Height	Proj
HGAB 81-96x48	12/12	96"	48"	3-1/2"

* HGAB - Available in custom sizes.
Contact us for a quote.

Part No.	Pitch	Width	Height	Proj
HGAB 82-96x48	12/12	96"	48"	3-1/2"

HAAS Architectural Millwork is your # 1 source for Custom Urethane Millwork.

HSPAN 91X94



HCPAN 29

Height 29"
Width 29"
Projection 2"

HPAN 12X94

Height 12-1/2"
Width 94"
Projection 2"

HPAN 19X79

Height 79-3/8"
Width 19"
Projection 2"

HPIL 560-22-144



HCAP 560-1



Height 10-7/8"
Width 21-5/8"
Proj 10-3/4"

HPIL 560 22-144
10-3/4" x 22" x 144"

**CUSTOM
SIZES
AVAILABLE**

Height 10-7/8"
Width 20-3/8"
Proj 10-1/4"

HBAS 560-2



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DECORATIVE ELEMENTS

HNIC 550-1



Height 42-1/2"
Width 16-5/8"
Depth 4"

HNIC 550-2



Height 39-1/4"
Width 16-5/8"
Depth 4"

BIPS & NIPS

HBIP 1



1-5/8" X 2"

HBIP 2



1-3/4" X 2"

HNIP 3



2-1/4" X 4"

1/2 COLUMN BASE

HHCB -22



ID 22-1/2" X Hght 4-1/4"

CUSTOM PARTS
AVAILABLE
Please Contact Us
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BALUSTER SPANDREL

HBAL 150-9



Top & Bottom rails 1-1/2" x 2-3/8" x 8"
For more structural and longer applications consider our HTR 213,
or HBR 233 Railing. See the Balustrade section for more information

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DECORATIVE ELEMENTS

POST TOPS AND FINIALS



HURN 11

Height 10-7/8"
Base Dia 5-1/4"

HURN 15

Height 15-1/4"
Base Dia 6-1/4"



HPIN 3

Height 4"
Base Dia 2-1/2"



HURN 717

Height 17"
Base Dia 5-1/2"

HURN 820

Height 20"
Base Dia 6-3/4"



HPIN 11

Height 11"
Base Dia 5"

HPIN 14

Height 14"
Base Dia 6-1/2"



HACO 10

Height 9-3/4"
Base Dia 4-1/2"

HACO 12

Height 11"
Base Dia 6-1/8"



HBALL 603-5

Height 11"
Base Dia 5"

HBALL 603-8

Height 14"
Base Dia 8"

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MISCELLANEOUS DECORATIVE ELEMENTS



HDE 2

Height 7-3/4"
Width 7-3/4"
Proj 7/8"



HMIS 15

Height 15"
Width 11"
Proj 3-3/8"



HTRI 11

Height 36"
Width 7-1/8"
Proj 3/4"



HPIN

Height 7"
Base Dia 4-1/2"

HTRI 10

Height 10"
Width 5-1/2"
Proj 3/4"



HROS 1

Diameter 11"
Proj 2-3/4"

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DOOR PANELS

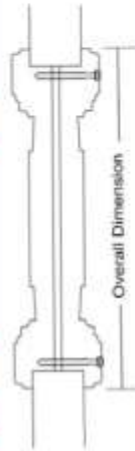
HDP RP

 1-3/8" Paint Grade Raised Door Panel

HDP WG-RP

 1-3/8" Wood Grain Raised Door Panel

Part Number	Part Number	Overall Size
HDP RP-10-14	HDP WG-RP-10-14	10" X 14"
HDP RP-14-22	HDP WG-RP-14-22	14" X 22"
HDP RP-14-24	HDP WG-RP-14-24	14" X 24"



MISCELLANEOUS DECORATIVE ELEMENTS

<p>HDS 425</p> <p>Height 3-1/2" Width 24-5/8" Proj 2"</p>  <p>Door Shelf</p>	<p>HDE 20</p> <p>Width 5-3/4" Proj 1/2"</p> 	<p>HDE 21</p> <p>Height 3-12" Width 2-3/4" Proj 1/4"</p> 	<p>HLCM 5031-42</p>  <p>3" x 42"</p>
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MISCELLANEOUS

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FLAT BOARDS

	HFB 3/4x3-1/2x16	3/4"	3-1/2"	16'
	HFB 3/4x5-1/2x16	3/4"	5-1/2"	16'
	HFB 3/4x7-1/2x16	3/4"	7-1/2"	16'
	HFB 3/4x9-1/2x16	3/4"	9-1/2"	16'
	HFB 3/4x11-1/2x16	3/4"	11-1/2"	16'
	HFB 1x3-1/2x16	1"	3-1/2"	16'
	HFB 1x5-1/2x16	1"	5-1/2"	16'
	HFB 1x7-1/2x16	1"	7-1/2"	16'
	HFB 1x9-1/2x16	1"	9-1/2"	16'
	HFB 1x11-1/2x16	1"	11-1/2"	16'
	HFB 1x16x16	1"	16"	16'
	HFB 1x20x16	1"	20"	16'
	HFB 1-1/2x3-1/2x16	1-1/2"	3-1/2"	16'
	HFB 1-1/2x5-1/2x16	1-1/2"	5-1/2"	16'
	HFB 1-1/2x7-1/2x16	1-1/2"	7-1/2"	16'
	HFB 1-1/2x9-1/2x16	1-1/2"	9-1/2"	16'
	HFB 1-1/2x11-1/2x16	1-1/2"	11-1/2"	16'

* NOTE: Custom widths and thickness available. Please contact us.

MOULDING

<p>Beaded Board Wainscoting</p> 		<p>HMLD 1102-16 Hght 19-3/4" x Proj 1" x 16'</p>  <p>1/2" X 1/2" Square Grooves</p>
<p>HMLD 1101-1-7-16R</p>  <p>1" x 7-1/4" x 16'</p>	<p>HMLD 1101-11-16R</p>  <p>1" x 11-1/2" x 16'</p>	
<p>*Parts come (rabbeted) as shown to create a traditional beaded ceiling / wainscoting look.</p>		

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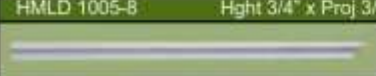


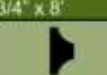








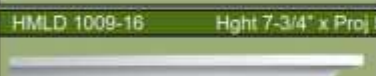
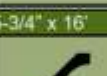


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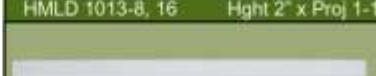



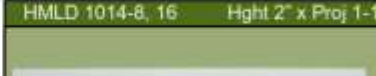

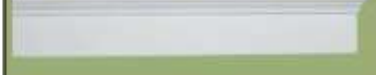

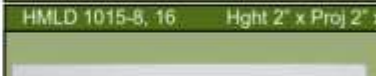

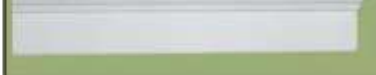

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HMLD 1005-8	Hght 3/4" x Proj 3/4" x 8'		
HMLD 1005-1-8	Hght 1-5/8" x Proj 3/4" x 8'		
HMLD 1006-16	Hght 2-3/4" x Proj 2-3/4" x 16'		
HMLD 1008-12	Hght 2-5/8" x Proj 7/8" x 12'		
HMLD 1009-16	Hght 7-3/4" x Proj 5-3/4" x 16'		
HMLD 1010-12	Hght 3" x Proj 2" x 12'		
HMLD 1011-16	Hght 18" x Proj 3-3/4" x 16'		
HMLD 1012-8, 16	Hght 2" x Proj 3/4" x 8' or 16'		

HMLD 1013-8, 16	Hght 2" x Proj 1-1/4" x 8' or 16'		
HMLD 1014-8, 16	Hght 2" x Proj 1-1/2" x 8' or 16'		
HMLD 1015-8, 16	Hght 2" x Proj 2" x 8' or 16'		
HMLD 1016-18	Hght 4-1/2" x Proj 3-5/8" x 18'		
HMLD 1018-16	Hght 2-1/4" x Proj 1-1/8" x 16'		
HMLD 1019-8	Hght 10-3/4" x Proj 2" x 8'		

ARCHES & RADIUS MOULDINGS
 HALF ROUND ARCHES
 SEGMENT ARCHES
 ELLIPTICAL ARCHES
 CONCAVE & CONVEX RADIUS

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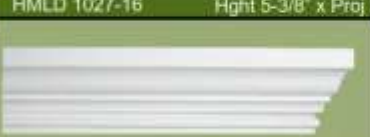








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HMLD 1020-16	Hght 7-3/4" x Proj 3-1/2" x 16'		
HMLD 1021-16	Hght 4" x Proj 3-1/2" x 16'		
HMLD 1022-16	Hght 1-3/4" x Proj 1" x 16'		
HMLD 1023-16	Hght 3-1/4" x Proj 3/4" x 16'		
HMLD 1024-16	Hght 4-1/4" x Proj 4" x 16'		
HMLD 1025-16	Hght 1-3/8" x Proj 13/16" x 16'		
<p>CONVERSION & CROSS-REFERENCE AVAILABLE</p> <p>SEND US YOUR LIST.</p>			

	HMLD 1026-16	Hght 5-3/4" x Proj 1-1/8" x 16'		
HMLD 1027-16	Hght 5-3/8" x Proj 3-1/2" x 16'			
HMLD 1028-16	Hght 7-1/2" x Proj 1" x 16'			
HMLD 1029-16	Hght 5-1/4" x Proj 5/8" x 16'			
HMLD 1030-16	Hght 5" x Proj 7/8" x 16'			

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HMLD 1030-1-16	Hght 5" x Proj 1-1/8" x 16'		
HMLD 1031-16	Hght 5-1/2" x Proj 1-5/8" x 16'		
HMLD 1031-1-16	Hght 5-1/2" x Proj 2" x 16'		
HMLD 1032-16	Hght 4-1/4" x Proj 1-1/2" x 16'		
HMLD 1033-16	Hght 5-1/2" x Proj 1-3/4" x 16'		
HMLD 1033-1-16	Hght 7" x Proj 1-3/4" x 16'		
HMLD 1034-16	Hght 3-1/2" x Proj 1" x 16'		

ROSETTES			
HROS 2	HROS 3	HROS 9	HROS 5
			
Width 3-3/4" Hght 3-3/4" Projection 1"	Width 4-1/2" Hght 4-1/2" Proj. 2-3/8"	Width 6-1/2" Hght 6-1/2" Proj 1-1/8"	Width 5-1/2" Hght 5-1/2" Proj 2-1/8"
HROS 13	HROS 24	HROS 71	
			
Width 5-1/2" Hght 5-1/2" Projection 1"	Width 4-1/4" Hght 4-1/4" Projection 1"	Width 3-3/4" Hght 3-3/4" Proj 1-13/16"	
HMLD 1034-1-16		Hght 3-1/2" x Proj 1-3/4" x 16'	
			
HMLD 1035-16		Hght 2-1/8" x Proj 1-5/8" x 16'	
			
HMLD 1036-16		Hght 6-1/4" x Proj 4-3/8" x 16'	
			
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HMLD 1037-16	Hght 3-3/8" x Proj 2-1/8" x 16'		
HMLD 1038-16	Hght 6-1/2" x Proj 4-1/2" x 16'		
HMLD 1039-16	Hght 12-3/4" x Proj 3-1/2" x 16'		
HMLD 1040-16	Hght 3-3/4" x Proj 3-3/4" x 16'		
HMLD 1041-16	Hght 4-1/4" x Proj 3-3/8" x 16'		
HMLD 1042-16	Hght 4" x Proj 3/4" x 16'		
<p>ARCHES & RADIUS MOULDINGS HALF ROUND ARCHES SEGMENT ARCHES ELLIPTICAL ARCHES CONCAVE & CONVEX RADIUS</p> <p>Please contact us - (717) 246-6290</p>			

	HMLD 1042-1-16	Hght 4" x Proj 1-1/8" x 16'		
	HMLD 1044-16	Hght 3-1/8" x Proj 1-1/8" x 16'		
	HMLD 1045-16	Hght 5-1/4" x Proj 1" x 16'		
	HMLD 1045-1-16	Hght 7-1/4" x Proj 1" x 16'		
<p>URETHANE ADHESIVE</p> 				

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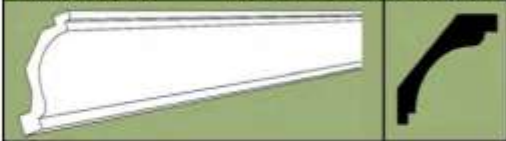
MOULDINGS



HMLD 1046-16 Hght 10" x Proj 2-3/4" x 16'



HMLD 1048-16 Hght 9-1/2" x Proj 10-1/8" x 16'



HMLD 1049-16 Hght 4-1/2" x Proj 1-1/8" x 16'



HMLD 1050-16 Hght 3-1/2" x Proj 2-1/4" x 16'



HMLD 1051-16 Hght 6-1/2" x Proj 3-3/8" x 16'



HMLD 1052-8 Hght 3-3/4" x Proj 3-3/4" x 8'



HMLD 1053-8 Hght 1" x Proj 3/4" x 8'



HMLD 1054-16 Hght 5-1/4" x Proj 4" x 16'



HMLD 1055-12 Hght 8-3/4" x Proj 5-3/8" x 12'



HMLD 1056-8 Hght 1-3/4" x Proj 1-1/8" x 8'



HMLD 1057-16 Hght 10-1/8" x Proj 9-1/2" x 16'



HMLD 1058-16 Hght 11" x Proj 6-1/2" x 16'



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HMLD 1060-16	Hght 7-3/4" x Proj 2-3/8" x 16'	
HMLD 1061-16	Hght 4" x Proj 3-1/8" x 16'	
HMLD 1062-16	Hght 3-3/8" x Proj 2-5/8" x 16'	
HMLD 1063-16	Hght 10-1/4" x Proj 5-3/8" x 16'	
HMLD 1064-12	Hght 14-3/8" x Proj 7" x 12'	
HMLD 1065-16	Hght 12-1/2" x Proj 7-1/4" x 16'	
HMLD 1066-16	Hght 9-1/8" x Proj 3-3/8" x 16'	

	HMLD 1067-8	Hght 1-3/8" x Proj 11/16" x 8'	
	HMLD 1068-16	Hght 5-1/4" x Proj 2-1/2" x 16'	
	HMLD 1069-16	Hght 6-1/4" x Proj 3-3/4" x 16'	
	HMLD 1070-16	Hght 6" x Proj 1-1/2" x 16'	
*Contact us for pitch applications.			
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HMLD 1071-16	Hght 7" x Proj 1-1/2" x 16'		
HMLD 1071-9-16	Hght 9-1/2" x Proj 1-1/2" x 16'		
HMLD 1071-11-16	Hght 11-1/2" x Proj 1-1/2" x 16'		
HMLD 1072-16	Hght 9" x Proj 1-3/8" x 16'		
HMLD 1072-1-16	Hght 9" x Proj 1-3/4" x 16'		
HMLD 1073-16	Hght 2-3/8" x Proj 1-1/2" x 16'		
HMLD 1074-16	Hght 9-1/2" x Proj 8-3/4" x 16'		

HMLD 1075-16	Hght 5-1/2" x Proj 1-1/2" x 16'		
HMLD 1075-1-16	Hght 8-1/2" x Proj 1-1/2" x 16'		
HMLD 1076-8	Hght 2-3/8" x Proj 2-1/4" x 8'		
HMLD 1078-8	Hght 4-1/2" x Proj 1-1/2" x 8'		
HMLD 1079-8	Hght 3-3/8" x Proj 1-3/8" x 8'		
HMLD 1080-16	Hght 14-1/2" x Proj 2-1/16" x 16'		
<p>CONVERSION & CROSS-REFERENCE AVAILABLE</p> <p>SEND US YOUR LIST.</p>			

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<p>HMLD 1081-8 Hght 7-1/2" x Proj 6" x 8"</p>  <p>19-1/4" Spacing On-center.</p> <p><i>*Custom on-center spacing is available. Call for quote.</i></p>	
<p>HMLD 1082-8 Hght 9/16" x Proj 9/16" x 8"</p> 	
<p>HMLD 1082-1-8 Hght 1-3/8" x Proj 9/16" x 8"</p> 	
<p>HMLD 1083-12 Hght 7-1/2" x Proj 6-1/2" x 12"</p> 	
<p>HMLD 1085-16 Hght 12" x Proj 4-1/2" x 16"</p> 	
<p>HMLD 1090-8 Hght 2-1/2" x Proj 5/8" x 8"</p> 	
<p>CUSTOM RADIUS MOULDINGS CONCAVE CONVEX PLEASE CONTACT US. 717-246-6290</p>	

	
<p>HMLD 1092-16 Hght 5-1/2" x Proj 5" x 16"</p> 	
<p>HMLD 1098-12 Hght 10-1/4" x Proj 13-1/2" x 12"</p> 	
<p>HMLD 1101-7-16 Hght 7-1/4" x Proj 1" X 16"</p> 	
<p>HMLD 1101-11-16 Hght 11-1/2" x Proj 1" x 16"</p> 	
<p>USE URETHANE ADHESIVE IN ALL JOINTS AND TO HELP SECURE MATERIAL TO THE SUBSTRATE.</p> 	

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HMLD 2093-12	Hght 15-1/2" x Proj 8-1/4" x 12'	
HMLD 2093-1-12	Hght 15-1/2" x Proj 8-1/4" x 12'	
HMLD 2116-12	Hght 10" x Proj 9" x 12'	
HMLD 2121-16	Hght 1-1/2" x Proj 4" x 16'	
HMLD 2122-16	Hght 10-3/4" x Proj 5-5/8" x 16'	
HMLD 2130-8	Hght 1-3/4" x Proj 5/8" x 8'	
HMLD 2134-12	Hght 17-3/4" x Proj 13-5/8" x 12'	

HMLD 2139-16	Hght 1-3/4" x Proj 2-1/2" x 16'	
HMLD 2152-12	Hght 8-13/16" x Proj 4-3/4" x 12'	
HMLD 2152A-12	Hght 8-5/8" x Proj 4-3/4" x 12'	
HMLD 2152B-12	Hght 2" x Proj 1" x 12'	
HMLD 2157-8	Hght 1-11/16" x Proj 2-1/4" x 8'	
HMLD 2162-16	Hght 12" x Proj 2" x 16'	
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M O U L D I N G S

PITCHED DENTIL MOULDING

HMLD 1049-LP/RP-8 Height 4-1/2" x Proj 1-1/8" x 8"



Part Number	Part Number	Pitch
HMLD 1049-5-8-L	HMLD 1049-5-8-R	5/12
HMLD 1049-6-8-L	HMLD 1049-6-8-R	6/12
HMLD 1049-7-8-L	HMLD 1049-7-8-R	7/12
HMLD 1049-8-8-L	HMLD 1049-8-8-R	8/12
HMLD 1049-9-8-L	HMLD 1049-9-8-R	9/12
HMLD 1049-10-8-L	HMLD 1049-10-8-R	10/12
HMLD 1049-12-8-L	HMLD 1049-12-8-R	12/12

L = Left pitch. R = Right pitch.

HMLD 1070-LP/RP-8 Height 6" x Proj 1-1/2" x 8"



Part Number	Part Number	Pitch
HMLD 1070-5-8-L	HMLD 1070-5-8-R	5/12
HMLD 1070-6-8-L	HMLD 1070-6-8-R	6/12
HMLD 1070-7-8-L	HMLD 1070-7-8-R	7/12
HMLD 1070-8-8-L	HMLD 1070-8-8-R	8/12
HMLD 1070-9-8-L	HMLD 1070-9-8-R	9/12
HMLD 1070-10-8-L	HMLD 1070-10-8-R	10/12
HMLD 1070-12-8-L	HMLD 1070-12-8-R	12/12

L = Left pitch R = Right pitch
 * For other dentil moulding on pitch please contact us.

VENTED SOFFIT MOULDING

HVSM 1009-16 Hght 10" x Proj 8" x 16"



HVSM 1051-16 Hght 9" x Proj 5-3/8" x 16"



HVSM 1065-16 Hght 15" x Proj 9-1/8" x 16"




PRE-MITERED CORNERS AVAILABLE
 *Shipped as two pieces to be assembled on jobsite.

PLEASE CONTACT US

• Vented soffit moulding comes with insect screen.

• Other vented profiles available. Call for quote.
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MOULDING INSTALLATION

All urethane moldings will expand and contract with temperature. It is recommended to install the moldings as tightly as possible to minimize expansion and contraction.

- **STORAGE** - If the product is stored in a trailer, remove and allow the material to adjust to the temperature in which it is being installed. Allow the moulding to adapt for at least 24 hours prior to installation.
- **CUTTING** – Urethane Millwork can be cut using the same basic methods and tools as wood.
- **JOINTS** – Butt joints on straight runs and mitered joints for corners.
- **ADHESIVE** – PL-PREMIUM urethane adhesive should be used in all joints and can help secure moulding to the wall and ceiling when applied to the back of the product.
- **BLOCKING** - Install molding on a solid backing or studs 16" on center or less. Larger molding will require additional blocking.
- **FASTENERS** –Galvanized screws are the best fastener or ring-shank nails with a head.

Installation Procedure:

- Measure for the length of molding needed to fit your application and add 1/8" to the measurement and mark your molding. **Ex.** If your application measures 10', mark and cut your molding at 10'-1/8". If your application requires 16' add 3/16" to your measurement or approximately 1/16 inch for every 5 feet of molding.
- Fasten one side of the molding in place. Bow the center of the piece out away from the wall to allow the other end of the molding to fit in place and fasten. Push the center of the molding against the wall and secure with recommended fasteners and Urethane adhesive.
- **PAINT PREP** – Haas urethane millwork is factory primed with a high emulsion exterior paint. Fill fastener holes with painter's putty. Any joint alignment required can be performed with sandpaper. Use 2-part plastic wood filler to recreate smooth surface. Follow manufacturer's recommendations for cure time before spot priming.
- **PAINT** - Use a 100% acrylic latex paint with a Light Reflective Value (LRV) of 55 or higher. For paint colors equivalent to an LRV of 54 or lower, paints specifically designed for such applications must be used, such as Sherwin-Williams VinylSafe™ coatings.

URETHANE ADHESIVE



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MOULDINGS

HAAS ARCHITECTURAL MILLWORK PRODUCTS

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ARCHES



HARC 1033

Height 5-1/2" x Proj 1-3/4"

COPED Keystone - HKST 1033-C

HARC 1034-1

Height 3-1/2" x Proj 1-3/4"

COPED Keystone - HKST 1034-1-C

HARC 1031

Height 5-1/2" x Proj 1-5/8"

COPED Keystone - HKST 1031-C

HARC 1046

Height 10" x Proj 2-3/4"

COPED Keystone - HKST 1046-C

HARC 1032

Height 4-1/4" x Proj 1-1/2"

COPED Keystone - HKST 1032-C

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HAAS ARCHITECTURAL MILLWORK PRODUCTS

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ARCHES

3-1/2" Flat Half Round Arches



HARC 1x3-1/2xD	1" x 3-1/2" x (Inside Diameter)
HARC 1-1/2x3-1/2xD	1-1/2" x 3-1/2" x (Inside Diameter)
HARC 3/4x3-1/2xD	3/4" x 3-1/2" x (Inside Diameter)

Available with Keystone - HARC(K)
 COPED Keystone - HKST Available-C

5-1/2" Flat Half Round Arches



HARC 3/4x5-1/2xD	3/4" x 5-1/2" x ID"
HARC 1x5-1/2xD	1" x 5-1/2" x ID"
HARC 1-1/2x5-1/2xD	1-1/2" x 5-1/2" x ID"

Available with Keystone - HARC(K)
 COPED Keystone - HKST Available

Custom Segment Arches



HSARC 1x3-1/2x(HxW)	1" x 3-1/2"
HSARC 1x5-1/2x(HxW)	1" x 5-1/2"

COPED Keystone - HKST Available

* Arch with Keystone applied. HARKK



HSARCW 900



COPED Keystone - HKST 900-C

HARCK 901



*Available without Keystone

HEARC 1033



COPED Keystone - HKST 1033-C

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HAAS ARCHITECTURAL MILLWORK PRODUCTS

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WINDOW HEADS

PLAIN KEYSTONES

To Fit Moulding

Item No.	Height	Top Width	Bottom Width	Proj.
HKST 1104	5"	4-3/4"	3"	2-1/2"
HKST 1106	7"	5-3/4"	3-1/2"	2-3/8"
HKST 1031	7"	5-3/4"	3-1/2"	3"
HKST 1031-1	7"	5-3/4"	3-1/2"	3-3/8"
HKST 1032	5-3/8"	5"	3"	3"
HKST 1033	7"	5-3/4"	3-1/2"	2-1/2"
HKST 1033-1	6-1/2"	5-3/4"	3"	2-1/2"
HKST 1034	5"	4-3/4"	4-1/8"	1-3/4"
HKST 1034-1	5"	4-3/4"	4-1/8"	2-1/2"
HKST 1048	11-1/2"	7-1/2"	4-1/8"	4"

To Fit Window Heads

Item No.	Height	Top Width	Bottom Width	Proj.
HKST 900	7-3/4"	6-1/8"	4-5/16"	4"
HKST 901	10-3/4"	10"	4-9/16"	4"
HKST 902	10-3/4"	10"	5-1/8"	5-1/2"
HKST 903	10-3/4"	10"	5-1/8"	5-1/2"
HKST 904	12-7/8"	11-7/8"	6"	7"
HKST 905	10-3/4"	10"	5-1/8"	5-1/2"
HKST 906	10-3/4"	10"	5-1/8"	5-1/2"
HKST 907	10"	10"	5"	3"
HKST 908	7"	5-3/4"	3-1/2"	3"
HKST 912	11-1/2"	7-1/2"	4-1/8"	4"

* COPED Keystones add (-C)
Ex. HKST 1104-C

RECESSED PANEL KEYSTONES

To Fit Moulding

Item No.	Height	Top Width	Bottom Width	Proj.
HRKST 1104	4-1/4"	4-5/8"	3"	3"
HRKST 1106	6-1/2"	5-1/2"	3"	3-5/16"
HRKST 1015	3-3/16"	3-5/8"	2-1/4"	3-1/8"
HRKST 1031	6-1/2"	5-1/2"	3"	3-5/16"
HRKST 1031-1	6-1/2"	5-1/2"	3"	3-5/16"
HRKST 1033	4-5/16"	4-5/8"	3"	2-3/8"
HRKST 1034	4-5/16"	4-5/8"	3"	3-9/16"
HRKST 1034-1	4-5/16"	4-5/8"	3"	2"

To Fit Window Heads

Item No.	Height	Top Width	Bottom Width	Proj.
HRKST 900	7-3/4"	6-1/8"	4-5/16"	4"
HRKST 901	10-3/4"	10"	4-9/16"	4"
HRKST 902	10-3/4"	10"	5-1/8"	5-1/2"
HRKST 903	10-3/4"	10"	5-1/8"	5-1/2"
HRKST 905	10-3/4"	10"	5-1/8"	5-1/2"
HRKST 906	10-3/4"	10"	5-1/8"	5-1/2"

* COPED Keystones add (-C)
Ex. HRKST 900-C

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WINDOW HEADS

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DECORATIVE KEYSTONES



ASTRAGAL

Item No.	Height	Top Width	Bottom Width	Proj.
HDKST 39	5"	4-1/2"	3"	1-5/8"
HDKST 40	8-3/4"	8-3/4"	4-3/4"	1-3/4"

PINEAPPLE

Item No.	Height	Top Width	Bottom Width	Proj.
HPKST 902	10-3/4"	10"	5-1/8"	5-1/2"
HPKST 101	10-3/4"	10"	5-1/8"	1"

* COPED Keystones add (-C)
Ex. HRKST 900-C



RECESSED PANEL

Item No.	Height	Top Width	Bottom Width	Proj.
HRKST 910	10-3/4"	15-7/8"	10"	8-1/8"



LARGE SCROLL

Item No.	Height	Top Width	Bottom Width	Proj.
HDKST 1025	15"	11"	6-1/4"	5"

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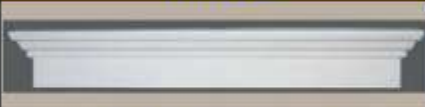





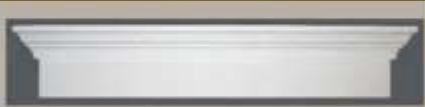

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WINDOW HEADS

<p>HWH 900</p>  <p>6" x 3" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 900-C Recessed Panel Keystone HRKST 900-C</p>	<p>For Top Width Add 4"</p> <p>Plain Keystone HKST</p> 	<p>HWHK 900</p>  <p>6" x 3" Window Head w/ Key</p> <p>Standard Sizes 24" - 204"</p> <p>* Keystone Height 7-3/4" * Custom sizes available</p>
<p>HWH 901</p>  <p>9" x 3" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 901-C Recessed Panel Keystone HRKST 901-C</p>	<p>For Top Width Add 4"</p> <p>Recessed Panel Keystone HRKST</p> 	<p>HWHK 901</p>  <p>9" x 3" Window Head w/ Key</p> <p>Standard Sizes 24" - 204"</p> <p>* Keystone Height 10-3/4" * Custom sizes available</p>
<p>HWH 902</p>  <p>9" x 4" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 902-C Recessed Panel Keystone HRKST 902-C</p>	<p>For Top Width Add 5-3/4"</p>	<p>HWHK 902</p>  <p>9" x 4" Window Head w/ Key</p> <p>Standard Sizes 24" - 204"</p> <p>* Keystone Height 10-3/4" * Custom sizes available</p>

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WINDOW HEADS

<p>HWH 903</p>  <p>10" x 4" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 903-C Recessed Panel Keystone HRKST 903-1</p>	<p>For Top Width Add 5-3/4"</p>  <p>Plain Keystone HKST</p>	<p>HWHK 903</p>  <p>10" x 4" Window Head w/ Key</p> <p>Standard Sizes 24" - 204"</p> <p>* Keystone Height 10-3/4" * Custom sizes available</p>
<p>HWH 904</p>  <p>11" x 4-3/4" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 904-C</p>	<p>For Top Width Add 7"</p>  <p>Recessed Panel Keystone HRKST</p>	<p>HWHK 904</p>  <p>11" x 4-3/4" Window Head w/ Key</p> <p>Standard Sizes 24" - 204"</p> <p>* Keystone Height 12-7/8" * Custom sizes available</p>
<p>HWH 905</p>  <p>13-3/4" x 4" Window Head</p> <p>Standard Sizes 36", 37-5/8", 41", 48", 68", 72", 76", 84", 104"</p> <p>* Coped Keystones Loose Plain Keystone HKST 905-C Recessed Panel Keystone HRKST 905-C</p>	<p>For Top Width Add 5-3/4"</p>	<p>HWHK 905</p>  <p>13-3/4" x 4" Window Head w/ Key</p> <p>Standard Sizes 36", 37-5/8", 41", 48", 68", 72", 76", 84", 104"</p> <p>* Keystone Height 10-3/4" * Custom sizes available</p>

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<p>HWH 906</p>  <p>Height Varies x 4" Window Head</p> <p>Standard Sizes 24" - 108"</p> <p>* Coped Keystones Loose Plain Keystone HKST 906-C</p>	<p>For Top Width Add 5-3/4"</p> <p>Plain Keystone HKST</p> 	<p>HWHK 906</p>  <p>Height Varies x 4" Window Head w/ Key</p> <p>Standard Sizes 24" - 108"</p> <p>* Keystone Height 10-3/4" * Custom sizes available.</p>
<p>HWH 907</p>  <p>9" x 1-5/8" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 907-C Keystone Height 10"</p>	<p>For HWH 907 Top Width Add 4-13/16"</p> <p>For HWH 908 Top Width Add 3"</p> <p>Recessed Panel Keystone HKST</p> 	<p>HWH 908</p>  <p>5-1/2" x 1-5/8" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 908-C Keystone Height 6-1/2"</p>
<p>HWH 909</p>  <p>Height Varies x 2" Segment Sunburst Window Head</p> <p>Standard Sizes 24" - 120"</p> <p>* Custom sizes available.</p>		<p>HWH 910</p>  <p>Height Varies x 2" Plain Segment Window Head</p> <p>Standard Sizes 24" - 120"</p> <p>* Custom sizes available.</p>

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WINDOW HEADS

<p>HWH 911</p>  <p>Height Varies x 2" Half Round Sunburst Window Head</p> <p>Standard Sizes 24" - 96" * Custom sizes available. HWH 911-O -Plain Half Round</p>	<p>Plain Keystone HKST</p> 	
<p>HWH 912</p>  <p>Height Varies x 4" Window Head</p> <p>Arch Sizes up to 96" Standard Wing Length up to 42". * Coped Keystones Loose Plain Keystone HKST 1046-C</p>	<p>Recessed Panel Keystone HRKST</p> 	<p>HWHK 912</p>  <p>Height Varies x 5" Window Head w/ Key</p> <p>Arch Sizes up to 96" Standard Wing Length up to 42". * Custom Arch and Wings available. * See Page 68 for Order Sheet.</p>
<p>HWH 913</p>  <p>Height Varies x 4" Window Head</p> <p>Arch Sizes up to 96" Standard Wing Length up to 42". * Coped Keystones Loose Plain Keystone HKST 1046-1 Recessed Panel Keystone HRKST 1046-1</p>		<p>HWHK 913</p>  <p>Height Varies x 4" Window Head w/ Key</p> <p>Arch Sizes up to 96" Standard Wing Length up to 42". * Custom Arch and Wings available. * See Page 68 for Order Sheet.</p>

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WINDOW HEADS



HWH 917



Height Varies x 2" Window Head

Sizes up to 108"

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* We perform conversions for you.
Fax us your list.

HWH 920



*ORDER PART WITH INSIDE WIDTH.

10-1/4" x 3-1/8" Window Head

Standard Sizes 36", 37-5/8",
48" x 60", 68", 76",

* Custom sizes available.

URETHANE ADHESIVE



HWH 915



Height Varies x 3" Peak Window Head

Standard Sizes 24" - 96"

* Custom sizes available.

* Custom Window Heads Available.

HWH 918



Height Varies x 4" Window Head

Sizes 24" up to 96"

* Custom sizes available.

HWH 926



15" x 7-1/4" Window Head

Standard Sizes 36", 37-5/8", 40", 44", 48",
53", 72", 96"

* Custom sizes available.

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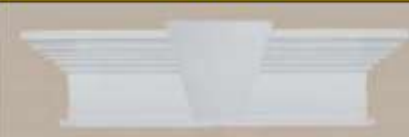





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WINDOW HEADS

<p>HWH 930</p>  <p>14" x 5" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 930-C</p>	<p>For Top Width Add 7-3/4"</p>  <p>Plain Keystone HKST</p>	<p>HWH 930</p>  <p>14" x 5" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Custom sizes available.</p>
<p>HWH 940</p>  <p>12" x 4" Window Head</p> <p>Standard Sizes 24" - 204"</p> <p>* Coped Keystones Loose Plain Keystone HKST 940-C</p>	<p>For Top Width Add 5-3/4"</p>  <p>Recessed Panel Keystone HRKST</p>	<p>HWHK 940</p>  <p>12" x 4" Window Head w/ Key</p> <p>Standard Sizes 24" - 204"</p> <p>* Keystone Height 13-3/4"</p> <p>* Custom sizes available</p>
<p>HWH 942</p>  <p>Height Varies x 2-7/8" Window Head</p> <p>Standard Sizes up to 108"</p> <p>* Coped Keystones Loose Plain Keystone HKST 1046-C</p>		<p>HWHK 942</p>  <p>Height Varies x 2-7/8" Window Head w/ Key</p> <p>Standard Sizes up to 108"</p> <p>* Custom sizes available</p>

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Haas Architectural Millwork - Ph. (717) 246-6290 - Fax (717) 246 6291
www.haasmillwork.com - Email: haasmillwork@haasmillwork.com

HAAS ARCHITECTURAL MILLWORK PRODUCTS

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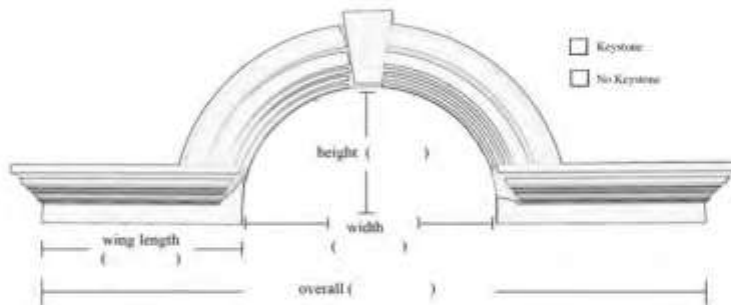
WINDOW HEADS

Custom Window Head Order Sheet

Fax -717-246-6291

From: _____ Date: _____
 Company: _____
 Phone Number: _____ FaxNumber: _____

Number of pages including cover: _____



WINDOW FEATURES

To Order Specify:

- 1) Arch Moulding - (HMLD 1046, HMLD 1033, HMLD 1033-1) _____
- 2) Arch Size - (24" up to 72" Available) _____
- 3) Keystone (K) / No Keystone _____
- 4) Wing Style - HWH 900, HWH 901, or HWH 902 _____
- 5) Wing Length - Size (Standard Size up to 42", 43" Up Custom) _____
- 6) Arch Closed or Open - (HWH 911 OR HWH911-O, HWH 937) _____

EXAMPLES:

With Keystone and Sunburst
 HARCK 1046-36-902-24- 911

Without Keystone and Sunburst
 HARC 1046-36-902-24

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DORMER PEDIMENT

HDP



Standard Sizes

HDP 44 Bottom Width 43-3/4"
14/12 Pitch Height 33-1/4"
Proj 5"

HDP 49 Bottom Width 49"
14/12 Pitch Height 38-1/2"
Proj 5"

HDPIL



DORMER PILASTER

HDPIL 280-6-68

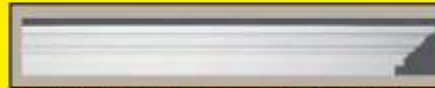
Width 6-3/4"

Height 68"

Proj 1-7/8"

**CUSTOM SIZES & SYLES
AVAILABLE
CONTACT US FOR A QUOTE**

HMLD 902-5-8', 10', 12'



DORMER RETURN MOULDING

WINDOW PANELS

HWP 100



1-1/4" Projection
Raised Window Panel with Sill

Old Item No. HWP BS-P
* Custom sizes available.

Width	Part Number		
	HWP 100-13	HWP 100-18	HWP 100-26
	13" Height	18" Height	26" Height
29 5/8"	HWP 100-13-29-5/8	HWP 100-18-29-5/8	HWP 100-26-29-5/8
33 5/8"	HWP 100-13-33-5/8	HWP 100-18-33-5/8	HWP 100-26-33-5/8
36"	HWP 100-13-36	HWP 100-18-36	HWP 100-26-36
37 5/8"	HWP 100-13-37-5/8	HWP 100-18-37-5/8	HWP 100-26-37-5/8
41 5/8"	HWP 100-13-41-5/8	HWP 100-18-41-5/8	HWP 100-26-41-5/8
42"	HWP 100-13-42	HWP 100-18-42	HWP 100-26-42
44"	HWP 100-13-44	HWP 100-18-44	HWP 100-26-44
52"	HWP 100-13-52	HWP 100-18-52	HWP 100-26-52
72"	HWP 100-13-72	HWP 100-18-72	HWP 100-26-72

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WINDOW PANELS

HWP 200

	Width	Part Number		
		HWP 200-13	HWP 200-18	HWP 200-26
		13" Height	18" Height	26" Height
<p>1-1/8" Projection Raised Window Panel with Sill</p> <p>Old Item No. HWP BS-RP * Custom sizes available.</p>	29 5/8"	HWP 200-13-29-5/8	HWP 200-18-29-5/8	HWP 200-26-29-5/8
	33 5/8"	HWP 200-13-33-5/8	HWP 200-18-33-5/8	HWP 200-26-33-5/8
	36"	HWP 200-13-36	HWP 200-18-36	HWP 200-26-36
	37 5/8"	HWP 200-13-37-5/8	HWP 200-18-37-5/8	HWP 200-26-37-5/8
	41 5/8"	HWP 200-13-41-5/8	HWP 200-18-41-5/8	HWP 200-26-41-5/8
	42"	HWP 200-13-42	HWP 200-18-42	HWP 200-26-42
	44"	HWP 200-13-44	HWP 200-18-44	HWP 200-26-44
	52"	HWP 200-13-52	HWP 200-18-52	HWP 200-26-52
	72"	HWP 200-13-72	HWP 200-18-72	HWP 200-26-72

CUSTOM WINDOW PANELS AVAILABLE



HWP 300

	Width	Part Number		
		HWP 300-18	HWP 300-27	HWP 300-26
		18" Height	27" Height	30" Height
<p>1-1/2" Projection Raised Window Panel w/ 4" Flat Trim Surround</p> <p>Old Item No. HWP BS-P * Custom sizes available.</p>	36"			HWP 300-30X36
	45"	HWP 300-18X45		
	54"			HWP 300-30X54
	70"		HWP 300-27X70	
	93"		HWP 300-27X93	

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WINDOW HEADS

HLS



Louver Shutter

HPS



Panel Shutter



* Custom sizes and styles available.

HBBS



BOARD & BATON SHUTTER

Part No.	Width	Height	Proj
HBBS 22x76	22"	76"	1-1/2"

* Custom sizes and styles available.

DOUBLE PANEL LOUVER SHUTTER

Part No.	Width	Height	Proj
HLS 14 x 51	14"	51"	1-1/8"
HLS 14 x 63	14"	63"	1-1/8"
HLS 14 x 67	14"	67"	1-1/8"
HLS 14 x 75	14"	75"	1-1/8"
HLS 18 x 59	18"	59"	1-1/8"
HLS 18 x 64	18"	64"	1-1/8"
HLS 18 x 72	18"	72"	1-1/8"
HLS 18 x 96	18"	96"	1-1/8"
HLS 20 x 72	20"	72"	1-1/8"
HLS 20 x 96	20"	96"	1-1/8"

SINGLE PANEL LOUVER SHUTTER

HLS 33 x 74-1/2	33"	74-1/2"	1-1/8"
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DOUBLE PANEL SHUTTER

Part No.	Width	Height	Proj
HPS 16 x71	16"	71"	1-1/8"
HPS 18 x 72	18"	72"	1-1/8"

* All shutters sold as pairs.

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