



It's a way of life...

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The traditional American front porch... it's where we welcome friends and family into our home. It's where we sit and enjoy their company. It's the place where we go to escape the stress of daily life and take the time to sit back, relax, and enjoy life.

The last thing you want to worry about is the work required to keep your porch beautiful, and that's where HB&G can offer you the solution of a lifetime.

HB&G offers a wide variety of porch products to help you create the design that best suits your way of life. Best of all, many of our products require little or no maintenance and come with a lifetime warranty.

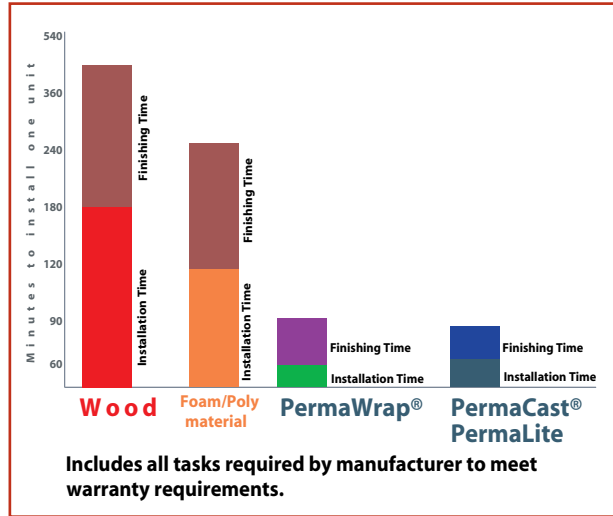
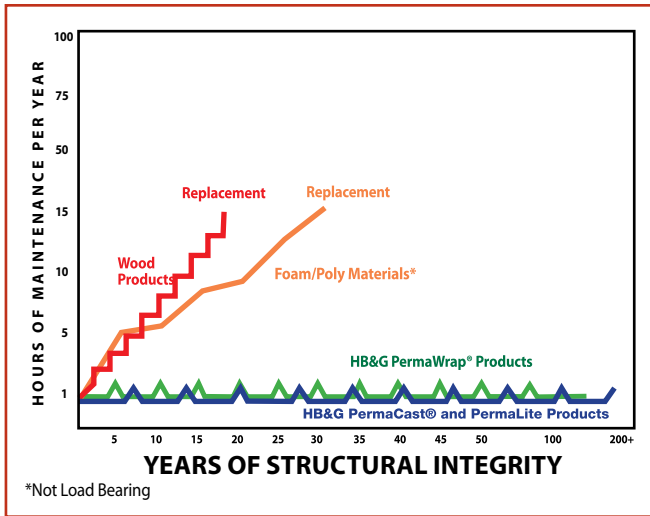
The following pages include everything you need to know to build a beautiful, enduring structure that will improve the quality of your life.

The Quality of Life.

In today's fast paced world, few of us have extra time to spend. HB&G understands that. That's why our porch products are the easiest to install and require little to no maintenance. Additionally, with

our PermaCast® products you'll never have to waste time repairing or replacing them... not today, or even years from now. Let the quality of our beautiful porch products improve the quality of your life.





Selection

HB&G offers the widest selection of porch products available on the market. With a variety of sizes and styles, HB&G has the porch accessories to meet the needs of any project.

The HB&G Product Collection includes Round PermaCast® Columns, Square PermaCast® Columns, PermaWrap® Columns, PermaLite Columns, PermaPost®, PermaPorch® Railing, Builder Select Railing, Balustrade Systems, PermaPorch Ceiling, Pergolas, Medallions and Brackets.

Also available are wood columns and Perma Lamp Posts.

Ease of Use

Time is money, and with HB&G products, not only do you save time on the installation, you'll also save a considerable amount of money maintaining your

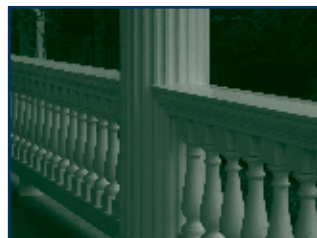
porch accessories over the lifetime of the product.

Many of the HB&G products can be installed in $\frac{1}{3}$ of the time of traditional wood products.

Warranty

	1 Yr.	10 Yr.	25 Yr.	Lifetime
PermaCast® *				
PermaLite				
PermaWrap®				
PermaPorch® Railing				
PermaPost®				
Balustrade				
Wood Columns				
Builder Select Railing				

*Excludes Split Columns



The PermaPorch® Package

It's an effective way to coordinate all of your porch accessories. At HB&G you will find an entire line-up of products that are made to work together, creating a beautiful, seamless and cost-effective addition to your home. Enjoy the lasting beauty of columns or posts, a railing or balustrade system, medallions, brackets, and PermaPorch Ceiling, all from the company that is setting new standards in porch products and accessories.

Life, Liberty, and the Pursuit of Happiness.

Products to match your lifestyle, liberty from on-going maintenance, and time to spend pursuing the

finer things in life, are all obtainable through our huge selection of high-quality products for your porch or deck.



**10" Round PermaCast® Column
with Standard PermaPorch® Railing**

The **PERMA**Cast® Column Collection

- Weather Proof
- Insect Proof
- Load Bearing
- Low Maintenance
- PermaFlashing
- PermaPrimed Tuscan Cap and Base
- Ready to Prime and Paint
- Lifetime Warranty
- Custom Fluting Available



24" Round PermaCast® Columns with Roman Corinthian Capitals

Architectural Accuracy

In the first century B.C., Vitruvius, a Roman architect and engineer, wrote what has become the most influential work on classic form. In it he elaborates on the discovery by the ancient Greeks of entasis, a gradual tapering of the upper two-thirds of the round column which offsets the undesirable illusion from eye level that the column shaft grows larger as it ascends. HB&G round columns hold true to this classic form.

HB&G PermaCast® Columns are available in round or square. The round columns are fluted, or plain, with or without the classic tapering of the upper two-thirds of the column. Square columns are available in a variety of styles as well, including plain or fluted, applied panel,

recessed panel, or the craftsman style column. The PermaCast® capitals and bases are made from durable low-maintenance materials, and like the columns, they maintain architectural authenticity and historical accuracy.



Round Plain
(page 8)

Round Fluted
(page 8)

Round No-Taper
(page 9)

Square Fluted
(page 10)

Square
Recessed Panel
(page 11)

Square
Applied Panel
(page 10)

Plain Square
(page 10)

Craftsman
(page 12)



Tuscan Cap



Tuscan Cap (Square)



Doric Cap (Round)



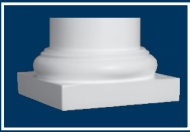
Colonial Cap
(Round)



Attic Base



Crown Cap or Base



Tuscan Base Poly/Fiberglass



Tuscan Base (Square)



Doric Base (Round)



Colonial Base (Round)



Attic Base (Square)



Roman Ionic



Greek Ionic



Temple of the Winds



Roman Corinthian



Scamozzi



Roman Ionic (Square)



Greek Ionic (Square)



Temple of the Winds (Square)



Roman Corinthian (Square)



Scamozzi (Square)

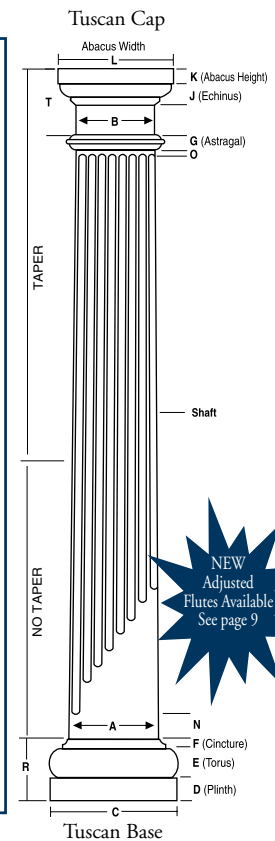
See pages 15 and 16 for cap and base dimensions

Round PERMACast® Columns

ROUND PERMACAST® COLUMN DIMENSIONS (IN INCHES)*

COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTH AVAIL. (ft)
6"	5 ⁵ / ₈ "	4 ³ / ₈ "	9"	1 ¹ / ₁₆ "	1 ³ / ₁₆ "	3 ¹ / ₈ "	3 ³ / ₈ "	1 ¹ / ₄ "	1 ³ / ₈ "	8"	1"	6 ¹ / ₄ "	3 ³ / ₁₆ "	4 ⁷ / ₁₆ "	4,6,8
8"	7 ⁷ / ₈ "	6 ¹ / ₄ "	10 ¹ / ₂ "	1 ⁷ / ₁₆ "	1 ³ / ₄ "	3 ³ / ₄ "	3 ³ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₂ "	9 ¹ / ₄ "	1 ¹ / ₂ "	2 ¹ / ₄ "	4 ³ / ₈ "	4 ¹ / ₂ "	5,6,8,9,10
10"	9 ⁹ / ₈ "	8 ³ / ₈ "	13 ³ / ₈ "	2 ¹ / ₈ "	2 ¹ / ₈ "	3 ³ / ₄ "	3 ³ / ₄ "	1 ¹ / ₄ "	1 ³ / ₄ "	11 ¹ / ₄ "	3 ⁵ / ₈ "	2 ¹ / ₄ "	5 ¹ / ₄ "	5"	6,8,9,10,12
12"	11 ¹ / ₈ "	9 ³ / ₈ "	16 ¹ / ₂ "	2 ³ / ₈ "	2 ³ / ₈ "	7 ³ / ₈ "	1 ³ / ₁₆ "	1 ¹ / ₄ "	2 ¹ / ₄ "	13 ³ / ₄ "	3 ³ / ₄ "	2 ³ / ₈ "	6 ³ / ₈ "	5 ³ / ₄ "	6,8,9,10,12,14,16,18
14"	13 ³ / ₈ "	11 ³ / ₈ "	19 ¹ / ₂ "	3 ³ / ₈ "	3 ³ / ₈ "	1 ¹ / ₈ "	7 ³ / ₈ "	2"	2 ⁷ / ₈ "	17"	7 ³ / ₈ "	2 ³ / ₈ "	7 ³ / ₈ "	7"	8,9,10,12,14,16,18
16"	15 ³ / ₄ "	13 ³ / ₈ "	22 ³ / ₈ "	4"	3 ¹ / ₂ "	1 ¹ / ₈ "	1"	2 ¹ / ₄ "	3"	19 ¹ / ₄ "	1"	3"	8 ³ / ₈ "	8"	8,10,12,14,16,18,20
18"	17 ¹ / ₂ "	15 ³ / ₈ "	24 ³ / ₈ "	4"	4"	1 ¹ / ₈ "	1 ¹ / ₈ "	2 ³ / ₄ "	3 ³ / ₈ "	22 ³ / ₈ "	1 ¹ / ₂ "	10 ³ / ₄ "	9 ³ / ₈ "	8 ³ / ₈ "	10,12,14,16,18,20,22,24,26
20"	19 ¹ / ₂ "	17 ¹ / ₁₆ "	27"	4 ³ / ₄ "	4 ¹ / ₂ "	2"	1 ¹ / ₁₆ "	2 ³ / ₈ "	3 ³ / ₈ "	24 ³ / ₁₆ "	1 ¹ / ₂ "	10 ³ / ₄ "	11 ¹ / ₄ "	9"	10,12,14,16,18,20,22,24
22"	21 ³ / ₈ "	19 ¹ / ₄ "	30 ¹ / ₄ "	5 ³ / ₈ "	4 ⁷ / ₈ "	2"	1 ¹ / ₈ "	3"	3 ³ / ₄ "	27 ¹ / ₂ "	1 ¹ / ₂ "	10 ³ / ₄ "	12 ¹ / ₄ "	10 ³ / ₄ "	16,18,20,22,24,26
24"	23 ³ / ₈ "	21 ¹ / ₄ "	33 ¹ / ₂ "	5 ⁷ / ₈ "	5 ¹ / ₄ "	2 ³ / ₁₆ "	2 ³ / ₁₆ "	3 ¹ / ₂ "	4 ¹ / ₁₆ "	30 ¹ / ₂ "	1 ¹ / ₂ "	10 ³ / ₄ "	13 ³ / ₁₆ "	11 ³ / ₁₆ "	12,14,16,18,20,22,24,26,28,30
28"	28"	24 ³ / ₈ "	38"	6 ³ / ₄ "	6"	2 ¹ / ₄ "	2 ¹ / ₈ "	3 ¹ / ₄ "	4 ³ / ₄ "	33 ³ / ₈ "	1 ¹ / ₂ "	10 ³ / ₄ "	15 ¹ / ₂ "	11 ³ / ₄ "	20,22,24,26,28
30"	29 ³ / ₈ "	26 ¹ / ₂ "	41 ¹ / ₈ "	6 ¹ / ₂ "	5 ⁷ / ₈ "	2 ¹ / ₂ "	3 ¹ / ₁₆ "	4"	4 ³ / ₈ "	38 ¹ / ₄ "	1 ¹ / ₂ "	10 ³ / ₄ "	14 ³ / ₈ "	14 ³ / ₈ "	20,22,24,26,28,30

*There may be a variance of up to 1/4" in all dimensions. Fluted columns available in all diameters. See page 14 for Parallel dimensions. See page 16 for Ornamental Capital dimensions.



ROUND & SQUARE PERMACAST® LOAD BEARING SPECIFICATIONS

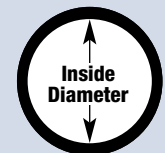
Split columns are not load bearing

COLUMN DIAMETER	STRUCTURAL LOAD
6"	8,000 lbs. Max
8"	10,000 lbs. Max
10"	14,000 lbs. Max
12"	18,000 lbs. Max
14"	20,000 lbs. Max
16"	20,000 lbs. Max
18"	20,000 lbs. Max
20"	20,000 lbs. Max
22"	20,000 lbs. Max
28"	20,000 lbs. Max
30"	20,000 lbs. Max

ROUND PERMACAST® INSIDE DIMENSIONS

Inside diameter may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

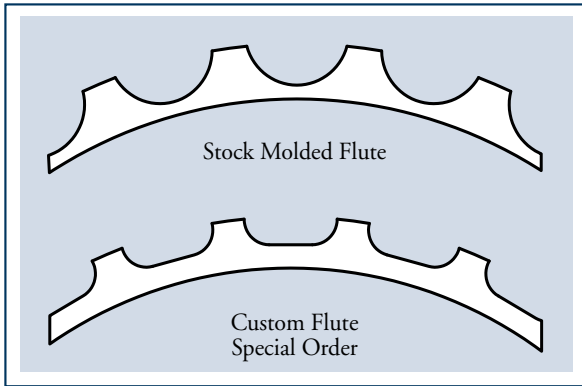
COLUMN SIZE	TOP I.D.	BOT I.D.
6"	3 ³ / ₈ "	4 ⁷ / ₁₆ "
8"	5 ¹ / ₂ "	6 ³ / ₈ "
10"	7 ³ / ₈ "	8 ³ / ₈ "
12"	8 ³ / ₈ "	10 ³ / ₈ "
14"	10 ³ / ₈ "	12 ³ / ₈ "
16"	12 ³ / ₈ "	15"
18"	14 ³ / ₈ "	16 ³ / ₈ "
20"	16 ³ / ₈ "	19"
22"	18 ¹ / ₄ "	20 ³ / ₈ "
24"	20 ¹ / ₄ "	22 ³ / ₈ "
28"	22"	26 ¹ / ₂ "
30"	25 ¹ / ₄ "	28 ³ / ₈ "



SPLIT COLUMN ASSEMBLY KITS

HB&G now offers a split column assembly kit that utilizes a mechanical fastening system for easy and secure assembly. This kit can be purchased separately when ordering a factory split column or they can be ordered pre-installed on factory split columns. This new kit is available on select sizes.

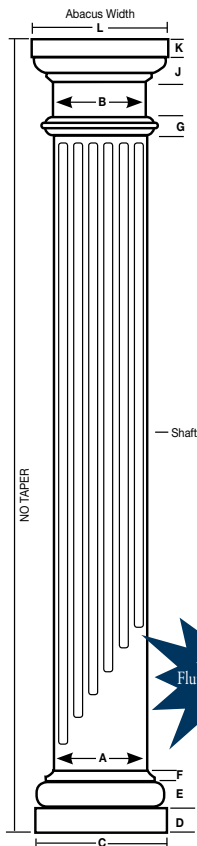
Fluted Round **PERMA**Cast® Columns



HB&G NOW OFFERS TWO DISTINCTIVE TYPES OF FLUTES.

Stock Molded Flute: Available in diameters of 8" x 8' – 16" x 18' columns. (see price guide for specific lengths available) The stock molded flute is part of the manufacturing process and cannot be altered.

Custom Flute: The custom flute is milled after the column is manufactured and can be modified to your specific length. All round PermaCast columns, 6" x 4' – 30" x 30', are available with an optional custom flute. (Call a customer service representative for pricing and lead times)



PermaCast® No Taper column with Tuscan cap and base.

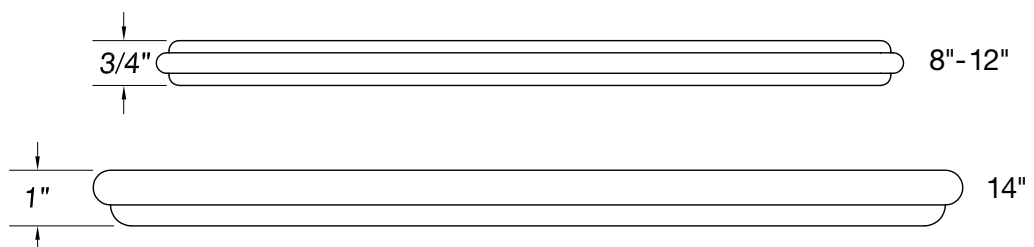
Round No-Taper **PERMA**Cast® Columns

ROUND NO-TAPER PERMACAST® COLUMN DIMENSIONS (IN INCHES)

Col. Size	A	B	C	D	E	F	G	J	K	L	Length Avail. (ft.)
8"	7 ⁵ / ₈ "	7 ⁵ / ₈ "	10 ¹ / ₂ "	1 ⁷ / ₈ "	1 ³ / ₄ "	3/4"	3/4"	1 ¹ / ₄ "	1 ¹ / ₂ "	10 ⁵ / ₈ "	6,8,9,10
10"	9 ⁵ / ₈ "	9 ⁵ / ₈ "	13 ¹ / ₈ "	2 ³ / ₈ "	2 ¹ / ₈ "	3/4"	3/4"	1 ¹ / ₄ "	1 ³ / ₄ "	12 ¹³ / ₁₆ "	6,8,9,10,12
12"	11 ⁵ / ₈ "	11 ⁵ / ₈ "	16 ¹ / ₂ "	2 ⁷ / ₈ "	2 ³ / ₈ "	7/8"	1 ³ / ₁₆ "	1 ³ / ₄ "	2 ¹ / ₄ "	15 ⁷ / ₈ "	6,8,9,10,12
14"	13 ⁵ / ₈ "	13 ⁵ / ₈ "	19 ¹ / ₂ "	3 ³ / ₈ "	3 ¹ / ₈ "	1 ¹ / ₈ "	7/8"	2"	2 ⁷ / ₈ "	19 ¹ / ₈ "	6,8,9,10,12,14
16"	15 ³ / ₄ "	15 ³ / ₄ "	22 ¹ / ₈ "	4"	3 ¹ / ₂ "	1 ¹ / ₈ "	1"	2 ¹ / ₄ "	3"	22"	6,8,9,10,12,14,16,18,20
18"	17 ¹ / ₂ "	17 ¹ / ₂ "	24 ³ / ₈ "	4"	4"	1 ⁵ / ₈ "	1 ¹ / ₈ "	2 ³ / ₄ "	3 ¹ / ₈ "	24 ⁵ / ₈ "	6,8,9,10,12,14,16,18,20
24"	24"	24"	32 ¹ / ₂ "	5 ³ / ₄ "	5 ¹ / ₄ "	2 ³ / ₁₆ "	2 ³ / ₁₆ "	3 ¹ / ₄ "	4 ³ / ₄ "	33 ³ / ₈ "	8,10

Custom sizes available, contact the HB&G architectural department. Neck mold not included. Flashing and Installation Kit not available with No-Taper Tuscan cap and base sets.

NECK MOLD FOR NO-TAPER COLUMN – SOLD SEPARATELY

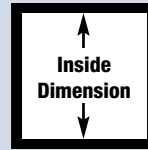


Square **PERMA**Cast® Columns

SQUARE PERMACAST® INSIDE DIMENSIONS

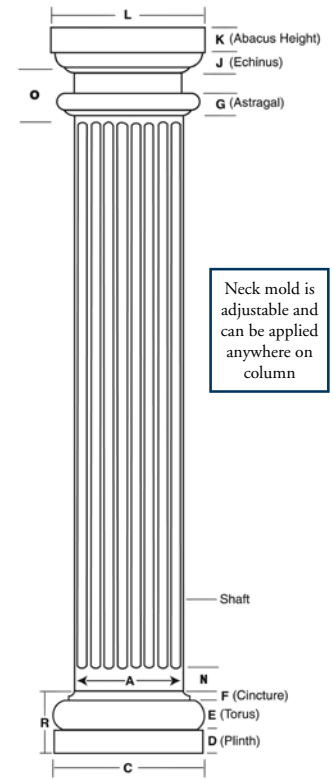
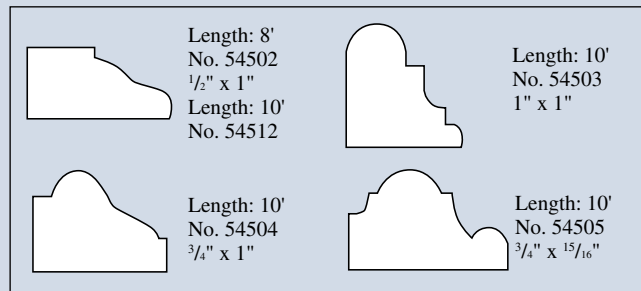
Inside dimensions may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

COL. SIZE	INSIDE
6"	5 1/4"*
8"	6 7/8"
10"	9"
12"	11"
14"	12"
16"	14 3/4"



*Inside is Round

MOLDING FOR SQUARE PERMACAST®



Neck mold is adjustable and can be applied anywhere on column

PermaCast® Square Column shown fluted with Tuscan Cap and Base.

SQUARE PERMACAST® COLUMN DIMENSIONS (In Inches)*

Column Size	A	C	D	E	F	G	J	K	L	N	O	R	Lengths Available (ft.)
6"	6"	9 9/16"	1 1/16"	1 5/16"	5/16"	1"	1 1/4"	1 3/8"	9 9/16"	N/A	N/A	3 3/16"	6,8,9,10
8"	8"	11 1/8"	1 7/8"	1 3/4"	5/8"	1"	1 3/8"	1 3/8"	10 15/16"	4"	3 1/8"	4 1/4"	6,8,9,10,12
10"	10"	13 3/16"	2 1/4"	2 3/16"	3/4"	1"	1 1/4"	1 13/16"	12 3/4"	4"	4 1/8"	5 3/16"	51",6,8,9,10,12,14,16
12"	12"	16 9/16"	2 13/16"	2 3/8"	7/8"	1"	1 3/4"	2 1/16"	16 11/16"	N/A	N/A	6 1/16"	8,9,10,12,14,16,18
14"	14"	19 1/8"	3 1/8"	2 7/8"	1 1/16"	1 1/8"	2 1/16"	2 1/2"	19 1/16"	N/A	N/A	7 9/16"	8,10,12
16"	16"	22 1/8"	3 7/8"	3 3/8"	1 1/8"	1 1/8"	2 3/8"	2 3/4"	21 1/2"	N/A	N/A	8 3/8"	8,10,12,14,16,18,20

Fluted Square. *There may be a variance of up to 1/4" in all dimensions.
See page 16 for Ornamental Capital dimensions.

Versatility of Square Columns

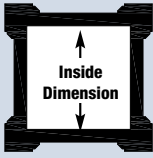
The design and versatility of an HB&G square column has enhanced its popularity with today's architects. The HB&G Square PermaCast® column lineup includes plain, recessed panel and fluted styles. An unlimited combination of styles can be achieved by various uses of the panel molding, neck molding, and caps and bases. Additionally, the square column is not tapered and can be cut to any height without affecting the fit of the caps and bases.

Recessed Panel **PERMA**Cast® Columns

RECESSED PANEL INSIDE DIMENSION

Inside dimension may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

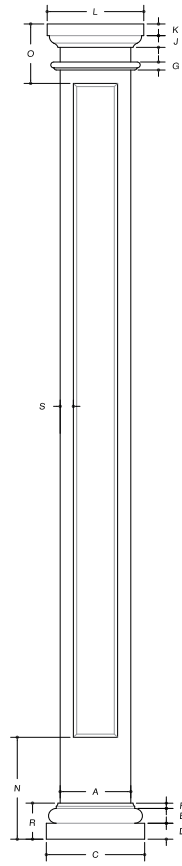
Col. Size	Inside
8"	5 7/8"
10"	7 1/2"
12"	9 1/2"
14"	11"



RECESSED PANEL LOAD BEARING SPECIFICATIONS

(SPLIT COLUMNS ARE NOT LOAD BEARING)

Column Diameter	Structural Load
8"	10,000
10"	14,000
12"	18,000
14"	20,000



Neck mold is adjustable and can be applied anywhere on column

**NOW
PRE-PRIMED
WITH
GEL COAT**

Square Column with
Tuscan Cap and Base.

SQUARE RECESSED PANEL PERMACAST® COLUMN DIMENSIONS (In Inches)*

Column Size	A	C	D	E	F	G	J	K	L	N	O	R	S	Recess Depth	Lengths Available
8"	8"	11 1/8"	1 7/8"	1 3/4"	5/8"	1"	1 3/8"	1 3/8"	10 15/16"	12"	7"	4 1/4"	1 1/2"	1/2"	8,9,10
10"	10"	13 3/16"	2 1/4"	2 3/16"	3/4"	1 1/4"	1 1/4"	1 13/16"	12 3/4"	14 1/2"	8 1/2"	5 5/16"	1 1/2"	1/2"	8,9,10
12"	12"	16 7/16"	2 3/16"	2 3/8"	7/8"	1 1/4"	1 3/4"	2 1/16"	16 11/16"	18"	10 1/2"	6 1/16"	2 1/4"	3/16"	8,9,10,12,14
14"	14"	19 3/8"	3 5/8"	2 7/8"	1 1/16"	1 1/8"	2 1/16"	2 1/2"	19 1/16"	21"	12 1/4"	7 7/16"	2 5/8"	3/4"	8,10,14

See page 16 for Ornamental Capital dimensions.



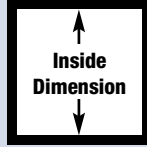
CRAFTSMAN

PERMACAST® COLUMN

CRAFTSMAN INSIDE DIMENSION

Inside dimension may vary up to 1/8".
Splitting a column will decrease inside dimension 1/8".

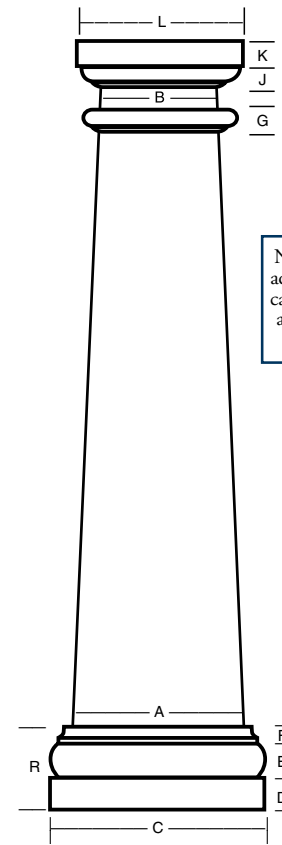
Column Size	Top	Bottom
10" x 5 1/2"	4 1/2"	9"
10 1/4" x 7 1/2"	6 1/2"	9 1/4"
12" x 10"	9"	11"
14" x 12"	11"	13"
16" x 9"	8"	15"



CRAFTSMAN LOAD BEARING SPECIFICATIONS

(SPLIT COLUMNS ARE NOT LOAD BEARING)

Column Diameter	Structural Load
10" x 5 1/2"	10,000
10 1/4" x 7 1/2"	10,000
12" x 10"	14,000
14" x 12"	14,000
16" x 9"	14,000



Neck mold is adjustable and can be applied anywhere on column*

CRAFTSMAN COLUMN DIMENSIONS (IN INCHES)

	A	B	C	D	E	F	G	J	K	L	N	O	R	LENGTH
10" x 5 1/2"	10"	5 1/2"	13"	2 1/2"	2 3/8"	1 1/16"	1"	1 3/8"	1 3/8"	9 5/8"	N/A	N/A	5 7/8"	66"
10 1/4" x 7 1/2"	10 1/4"	7 1/2"	13 1/2"	2 3/8"	2 1/4"	3/4"	1"	1"	1"	10 1/4"	N/A	N/A	5 3/8"	7'
12" x 10"	12"	10"	16 9/16"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	12 3/4"	N/A	N/A	6 1/16"	6', 10'
14" x 12"*	14"	12"	18 3/4"	3 3/8"	3"	1"	1"	1 3/8"	2"	17 1/8"	N/A	N/A	7 3/8"	9'
16" x 9"	16"	9"	18 3/4"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	13 1/4"	N/A	N/A	6 1/16"	58"
16" x 9"	16"	9"	19 1/16"	2 1/2"	2 1/2"	1 1/16"	1"	1 3/8"	1 3/8"	13 1/4"	N/A	N/A	6 1/16"	6', 8"

*Has 1/3" to 2/3" taper, neck mold is part of shaft and not applied.

Flashing and Installation Kit is not available for Craftsman Columns with Tuscan cap and base sets.



Painting Instructions

Painting instructions for round and square PermaCast® columns:

- Rinse
- Prime with top quality exterior latex primer, or use an oil-based primer in accordance with paint manufacture instructions. A light coat of primer should be applied and allowed to cure fully.
- Paint evenly with several light coats over column with a high quality exterior latex or oil-base (if primer is used) in accordance with paint manufacture instructions.
- Do not paint PermaCast® columns using dark colors (dark colors are considered any color that falls within the L value of 56 to 0). L is a measure of lightness of an object and ranges from 0 (black) to 100 (white).

Fire Retardant

All HB&G PermaCast® columns are fire retardant. This feature has been tested by code certified laboratories to ensure its fire performance characteristics.

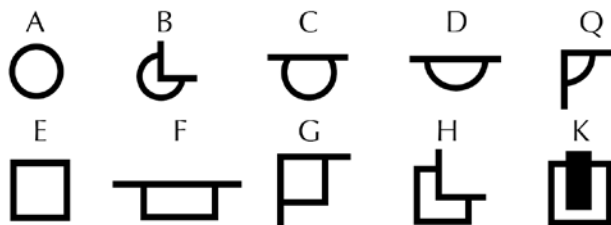
Tips

- ✓ When ordering an ornamental capital order the appropriate base for the column.
- ✓ Ornamental capitals for square PermaCast® slide over the shaft and do not use a plug. These ornamental capitals will not lengthen or shorten the height of the column.
- ✓ Verify exact opening measurement prior to ordering column length.
- ✓ When installing a PermaCast® column, verify concentric loading of column. 100% of bottom must contact substrate and 75% of top must contact soffit.
- ✓ When attaching hand rails or corner iron to PermaCast® columns, holes must be pre-drilled before applying screws.
- ✓ When ordering panel molding for square PermaCast® columns, make sure to order enough for four sides of the column.
- ✓ Split columns are left partially intact. Cut with masonry or carbide tip blade.

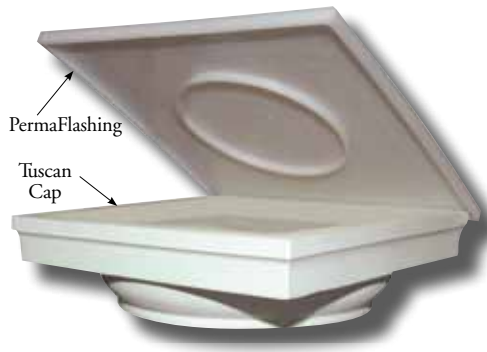
Lifetime Warranty

HB&G warrants that for the “lifetime” of ownership the PermaCast® column is free from defects in material and workmanship. “Lifetime” means as long as the purchaser owns the structure to which the PermaCast® columns are attached. Upon proper installation of the column, HB&G will repair or replace, at its option, any PermaCast® column that has failed as a result of defective material or workmanship of HB&G. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied. For complete warranty visit www.hbgcolumns.com.

Splitting
Options



HB&G's number one goal is finding ways that we can save you time and money making your life easier.



PermaCast® PermaFlashing and Installation Kit

The PermaCast® flashing and installation kit is now available and included at **no additional cost** in Tuscan cap and base sets.*

This innovation will not only save time but will keep the elements out of the column and secure the top and bottom of the column.

*Not included in Tuscan cap and base sets for Craftsman, No-taper, PermaLite and Wood columns.



Round PermaCast® Porch Installation Bracket

The HB&G Porch Installation Bracket includes the bracket and all required hardware. The bracket fits 20" - 30" Plain Round PermaCast® Columns and will secure a 2nd story porch to our PermaCast® Columns. Three brackets are required for each column.



PARALLEL DIMENSIONS

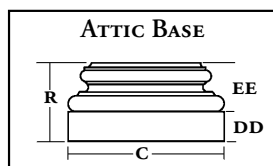
Column Size	Parallel Dim.	Column Size	Parallel Dim.
6x4	0"	20x10	0"
6x6	8"	20x12	0"
6x8	32"	20x14	0"
8x5	12"	20x16	4"
8x6	24"	20x18	28"
8x8	32"	20x20	52"
8x9	28"	20x22	76"
8x10	40"	20x24	100"
10x6	8"	22x16	45"
10x8	32"	22x18	69"
10x9	28"	22x20	93"
10x10	40"	22x22	53"
10x12	48"	22x24	77"
12x6	8"	22x26	101"
12x8	32"	24x12	21"
12x9	8"	24x14	45"
12x10	32"	24x16	69"
12x12	48"	24x18	93"
12x14	59"	24x20	75"
12x16	40"	24x22	99"
12x18	73"	24x24	123"
14x8	32"	24x26	77"
14x9	12"	24x28	101"
14x10	24"	24x30	125"
14x12	48"	26x20	N/A
14x14	27"	26x22	N/A
14x16	51"	26x24	N/A
14x18	75"	26x26	N/A
16x8	16"	28x20	20"
16x10	40"	28x22	44"
16x12	29"	28x24	68"
16x14	53"	28x26	92"
16x16	36"	28x28	116"
16x18	60"	30x20	56"
16x20	84"	30x22	80"
18x8	0"	30x24	140"
18x10	16"	30x26	75"
18x12	40"	30x28	99"
18x14	48"	30x30	123"
18x16	36"		
18x18	60"		
18x20	84"		
18x22	49"		
18x24	73"		
18x26	97"		

PERMA Capitals and Bases

Choosing the right cap and base for your columns is as important as the selection of the column itself. The right cap and base can define the style of the front porch and create an atmosphere that compliments your lifestyle. The cap and base options offered by HB&G are shown on page 7. Please see the following data that corresponds with your cap and base selection to assure that you end up with the products that work best for you.

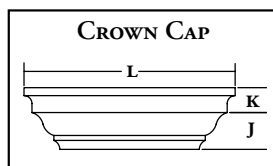
CAPITAL AND BASE OPTIONS

Capitals and bases for PermaCast® columns are made of polyurethane and are decorative. The shaft fits through the center of the capital and base and does not alter the height of the shaft. Ornamental capitals for round PermaCast® columns will alter the height of the shaft.



TUSCAN CAPITAL AND BASES

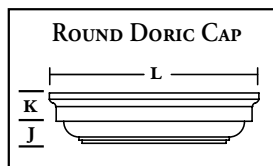
The Tuscan style is standard and best complements the PermaCast® column. The Tuscan is available for all ROUND and SQUARE shafts. Tuscan caps and bases include at no charge the new PermaFlashing and installation kit. (No Taper and Craftsman not included)



ORNAMENTAL CAPITAL

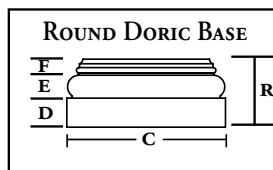
Five styles of ornamental capitals are available for all round and square shafts. Nothing makes a statement like a PermaCast® columns with an ornamental capital.

Using an ornamental capital with a round PermaCast® shaft will alter the height of the shaft. Ornamental capitals do not alter the height of the shaft when used on a plain square PermaCast® Column.



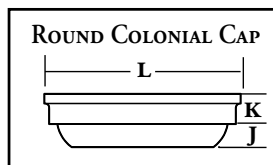
ATTIC BASE

Attic Bases are used for a more ornate look and come in 1 or 2 pieces depending on their size.



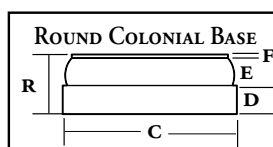
COLONIAL CAP AND BASE

Referred to as our "economy" capital and base, the Colonial is approximately 1/2 the size of the Tuscan. It does not provide architecturally correct dimensions and should only be used when aesthetics are not a priority. Only available for ROUND PermaCast® shafts 6" - 12".



FIBERGLASS BASE

The fiberglass base is manufactured from the same materials as the shaft and available for Round PermaCast® shafts 8" - 14" only. It is designed to be used in high traffic areas.



DIMENSIONS OF ATTIC BASE FOR ROUND AND SQUARE COLUMNS

COLUMN SIZE	ROUND ATTIC				COLUMN SIZE	SQUARE ATTIC			
	C	DD	EE	R		C	DD	EE	R
6"	8 ³ / ₁₆ "	1 ³ / ₈ "	2 ³ / ₄ "	4 ¹ / ₈ "	6"	8 ⁷ / ₁₆ "	1 ³ / ₈ "	2 ⁷ / ₈ "	4 ¹ / ₄ "
8"	10 ⁷ / ₈ "	1 ⁷ / ₈ "	3 ¹ / ₄ "	5 ¹ / ₈ "	8"	11"	1 ⁷ / ₈ "	3 ¹ / ₄ "	5 ¹ / ₈ "
10"	13"	2 ¹ / ₂ "	3 ⁷ / ₈ "	6 ³ / ₈ "	10"	13 ³ / ₈ "	2 ³ / ₈ "	4"	6 ³ / ₈ "
12"	16 ⁷ / ₈ "	3"	4 ¹ / ₂ "	7 ¹ / ₂ "	12"	17"	2 ³ / ₄ "	4 ¹ / ₂ "	7 ¹ / ₄ "
14"	19 ¹ / ₄ "	3 ³ / ₈ "	5 ³ / ₈ "	8 ³ / ₄ "	N/A	N/A	N/A	N/A	N/A
16"	21 ³ / ₄ "	4"	6 ¹ / ₂ "	10 ¹ / ₂ "	16"	22 ³ / ₈ "	4"	6 ³ / ₈ "	10 ³ / ₈ "
18"	25"	4 ³ / ₈ "	7 ¹ / ₄ "	11 ³ / ₈ "	N/A	N/A	N/A	N/A	N/A
20"	27 ¹ / ₁₆ "	4 ⁷ / ₈ "	8 ¹ / ₄ "	13 ³ / ₈ "	N/A	N/A	N/A	N/A	N/A
22"	30 ¹ / ₄ "	5 ³ / ₈ "	9 ¹ / ₄ "	14 ³ / ₈ "	N/A	N/A	N/A	N/A	N/A
24"	33 ¹ / ₂ "	6"	10 ¹ / ₄ "	16 ¹ / ₄ "	N/A	N/A	N/A	N/A	N/A
28"	38"	6 ¹ / ₄ "	11 ³ / ₈ "	18 ¹ / ₈ "	N/A	N/A	N/A	N/A	N/A
30"	41 ¹ / ₄ "	6 ¹ / ₂ "	11 ¹ / ₄ "	17 ¹ / ₄ "	N/A	N/A	N/A	N/A	N/A

CROWN CAP FOR SQUARE COLUMN DIMENSIONS

Column Size	K	J	L
6"	1 ⁹ / ₁₆ "	2 ⁵ / ₁₆ "	11 1/4"
8"	1 ⁹ / ₁₆ "	2 ⁵ / ₁₆ "	13 1/4"
10"	1 ⁹ / ₁₆ "	2 ⁵ / ₁₆ "	15 1/4"
12"	1 ⁹ / ₁₆ "	2 ⁵ / ₁₆ "	17 1/4"

DORIC CAP AND BASE DIMENSIONS

Column Size	C	D	E	F	J	K	L	R
8"	10 ³ / ₈ "	1 ⁷ / ₈ "	1 ⁵ / ₈ "	7 ⁷ / ₈ "	1"	1 ³ / ₈ "	10"	4 ⁷ / ₁₆ "
10"	12 ⁵ / ₁₆ "	2 ³ / ₈ "	2 ¹ / ₁₆ "	1 ¹ / ₈ "	1 ⁵ / ₁₆ "	1 ¹¹ / ₁₆ "	12 ¹ / ₂ "	5 ⁹ / ₁₆ "
12"	15 ¹ / ₂ "	2 ⁷ / ₈ "	2 ¹ / ₂ "	1 ³ / ₈ "	1 ⁹ / ₁₆ "	2"	15"	6 ¹¹ / ₁₆ "
14"	18 ¹ / ₈ "	3 ³ / ₁₆ "	2 ⁷ / ₈ "	1 ⁹ / ₁₆ "	1 ¹³ / ₁₆ "	2 ³ / ₈ "	17 ¹ / ₂ "	7 ¹³ / ₁₆ "
16"	20 ⁷ / ₈ "	3 ³ / ₄ "	3"	2 ¹ / ₄ "	1 ⁹ / ₁₆ "	2 ³ / ₄ "	20 ¹ / ₂ "	9"
18"	23 ¹ / ₄ "	4"	3 ¹ / ₂ "	2 ¹ / ₂ "	1 ³ / ₄ "	3"	23 ³ / ₈ "	10"

COLONIAL CAP AND BASE DIMENSIONS

Col. Size	C	D	E	F	J	K	L	R
6"	7 ¹ / ₄ "	1 ³ / ₈ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1"	1 ¹ / ₄ "	7"	2 ⁷ / ₈ "
8"	9 ¹ / ₈ "	1 ¹ / ₂ "	1 ⁵ / ₁₆ "	1 ¹ / ₄ "	1 ¹ / ₁₆ "	1 ³ / ₈ "	9"	3"
10"	11 ³ / ₁₆ "	1 ¹ / ₂ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₁₆ "	1 ³ / ₈ "	10 ⁹ / ₁₆ "	3"
12"	13 ¹ / ₈ "	1 ¹ / ₂ "	1 ¹ / ₄ "	1 ¹ / ₄ "	1 ¹ / ₁₆ "	1 ³ / ₈ "	12"	3"

CAPITAL DIMENSIONS FOR ROUND AND SQUARE COLUMNS (IN INCHES)

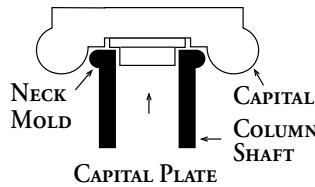
Size of Columns (Diameter at bottom of shaft)		6"		8"		10"		12"		14"		16"		18"		20"		22"		24"		28"		30"	
		ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	ROUND	SQUARE	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND	ROUND
Roman Ionic	Height		3 ¹³ / ₁₆ "	3 ¹⁵ / ₁₆ "	4 ¹ / ₈ "	4"	4 ⁷ / ₈ "	4 ³ / ₈ "	6 ¹ / ₄ "	5 ⁵ / ₈ "	6 ¹ / ₄ "	8 ⁷ / ₈ "	9 1/2"	9 ¹ / ₂ "	9 ³ / ₁₆ "	9 ⁷ / ₁₆ "	9 ⁷ / ₁₆ "	9 ⁷ / ₁₆ "	9 ⁷ / ₁₆ "	9 ⁷ / ₁₆ "	N/A	N/A	N/A	N/A	
	Abacus	N/A	10 ¹ / ₈ "	8 ⁷ / ₈ "	11 ¹¹ / ₁₆ "	10 ³ / ₄ "	14 ³ / ₄ "	12 ¹ / ₂ "	16 ⁷ / ₈ "	17 ⁷ / ₈ "	19 ¹³ / ₁₆ "	26"	25 ¹ / ₄ "	25 ¹ / ₄ "	25 ³ / ₁₆ "	26 ³ / ₈ "	26 ³ / ₈ "	26 ³ / ₈ "	26 ³ / ₈ "	26 ³ / ₈ "	N/A	N/A	N/A	N/A	
	Projection		3 ³ / ₄ "	3 ¹ / ₈ "	3"	4 ¹ / ₈ "	4 ¹ / ₈ "	5"	6 ¹ / ₄ "	7 ⁷ / ₈ "	8"	8 ¹ / ₂ "	11 ¹ / ₄ "	11 ¹ / ₄ "	10"	9 ⁷ / ₈ "	9 ⁷ / ₈ "	10"	10"	9 ⁷ / ₈ "	9 ⁷ / ₈ "	9 ⁷ / ₈ "	9 ⁷ / ₈ "	9 ⁷ / ₈ "	
	O/S to O/S		12 ⁷ / ₈ "	10 ¹ / ₂ "	13 ¹³ / ₁₆ "	13 ¹³ / ₁₆ "	17 ¹ / ₄ "	16 ¹ / ₂ "	23 ¹ / ₁₆ "	22 ³ / ₁₆ "	24 ³ / ₈ "	32 ³ / ₈ "	31 ³ / ₄ "	31 ³ / ₄ "	33"	33"	33"	33"	33"	33"	33"	33"	33"	33"	33"
Greek Ionic	Height		5 ¹ / ₂ "	4 ¹ / ₈ "	6 ¹ / ₄ "	5 ⁵ / ₈ "	6 ³ / ₄ "	6 ⁹ / ₁₆ "	9 ¹ / ₄ "	7"	10 ³ / ₈ "	11"	10 ³ / ₁₆ "	11 ³ / ₈ "	13 ³ / ₈ "	13 ³ / ₈ "	13 ³ / ₈ "	13 ³ / ₈ "	13 ³ / ₈ "	13 ³ / ₈ "	N/A	N/A	N/A	19 ¹ / ₄ "	
	Abacus	N/A	11"	7 ¹⁵ / ₁₆ "	12 ⁵ / ₈ "	10 ¹¹ / ₁₆ "	16"	14 ³ / ₈ "	17 ³ / ₄ "	15 ¹ / ₈ "	22 ¹ / ₈ "	26 ⁵ / ₁₆ "	22 ³ / ₁₆ "	25 ¹ / ₄ "	29"	29"	29"	29"	29"	29"	N/A	N/A	N/A	42 ¹ / ₂ "	
	Projection		4 ⁵ / ₈ "	3 ⁵ / ₈ "	4 ⁷ / ₈ "	5"	5 ⁷ / ₈ "	7 ¹ / ₂ "	7 ¹ / ₄ "	6 ¹ / ₂ "	10 ¹ / ₄ "	10 ³ / ₄ "	9 ¹ / ₂ "	11 ¹ / ₄ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	15 ¹ / ₂ "	
	O/S to O/S		14 ¹ / ₂ "	11 ⁷ / ₈ "	17 ⁹ / ₁₆ "	14 ¹³ / ₁₆ "	20 ⁷ / ₈ "	20 ¹¹ / ₁₆ "	26 ³ / ₈ "	20 ¹¹ / ₁₆ "	29 ¹ / ₄ "	36 ⁵ / ₁₆ "	29 ³ / ₈ "	31 ³ / ₄ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	43 ¹ / ₂ "	60 ³ / ₄ "
Temple of the Winds	Height		8 ⁷ / ₁₆ "	8"	11 ¹ / ₂ "	10 ³ / ₁₆ "	13 ⁷ / ₈ "	11 ³ / ₈ "	20 ¹ / ₂ "	16 ¹ / ₄ "	18 ¹ / ₄ "	21 ⁵ / ₁₆ "	21 ⁷ / ₈ "	23"	24 ¹ / ₈ "	27 ⁷ / ₈ "	27 ⁷ / ₈ "	27 ⁷ / ₈ "	27 ⁷ / ₈ "	N/A	N/A	N/A	N/A	N/A	
	Abacus	N/A	12 ⁷ / ₈ "	11 ⁷ / ₈ "	15 ¹ / ₂ "	13 ⁷ / ₁₆ "	21 ¹³ / ₁₆ "	16 ³ / ₁₆ "	25 ³ / ₄ "	23 ³ / ₄ "	26"	29 ⁵ / ₁₆ "	28 ³ / ₈ "	34 ³ / ₄ "	35 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	N/A	N/A	N/A	N/A	
	Projection		4 ³ / ₈ "	5 ¹ / ₂ "	5 ¹ / ₈ "	6"	8"	7"	9 ⁷ / ₈ "	10 ⁷ / ₈ "	11 ¹ / ₈ "	11 ¹ / ₈ "	12"	15 ¹ / ₂ "	14 ⁷ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "	16 ¹ / ₈ "
	O/S to O/S		12 ⁷ / ₈ "	11 ⁷ / ₈ "	15 ¹ / ₂ "	13 ⁷ / ₁₆ "	21 ¹³ / ₁₆ "	16 ³ / ₁₆ "	25 ³ / ₄ "	23 ³ / ₄ "	26"	29 ⁵ / ₁₆ "	28 ³ / ₈ "	34 ³ / ₄ "	35 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "	37 ¹ / ₄ "
Roman Corinthian	Height		10 ³ / ₄ "	8 ¹¹ / ₁₆ "	13 ¹¹ / ₁₆ "	11 ¹³ / ₁₆ "	17 ³ / ₄ "	14 ³ / ₈ "	20 ¹ / ₈ "	17 ³ / ₈ "	22 ³ / ₁₆ "	26 ¹ / ₂ "	26 ¹ / ₁₆ "	28 ⁷ / ₁₆ "	31 ⁷ / ₈ "	34 ¹ / ₄ "	34 ¹ / ₄ "	34 ¹ / ₄ "	34 ¹ / ₄ "	N/A	N/A	N/A	N/A	N/A	
	Abacus	N/A	13 ³ / ₄ "	12 ¹ / ₁₆ "	18"	14 ³ / ₈ "	22 ⁵ / ₈ "	18 ⁷ / ₈ "	26 ¹ / ₄ "	22 ¹³ / ₁₆ "	32 ³ / ₈ "	37 ¹ / ₂ "	38 ⁷ / ₈ "	41 ³ / ₈ "	40 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	N/A	N/A	N/A	N/A	
	Projection		4 ¹ / ₄ "	4 ³ / ₄ "	6"	6 ¹ / ₄ "	7 ⁷ / ₈ "	8 ¹ / ₄ "	8 ⁷ / ₈ "	8 ⁷ / ₈ "	14 ¹ / ₄ "	13 ³ / ₈ "	17 ¹ / ₂ "	16 ³ / ₄ "	16"	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	17 ¹ / ₂ "	
	O/S to O/S		13 ³ / ₄ "	12 ¹ / ₁₆ "	18"	14 ³ / ₈ "	22 ⁵ / ₈ "	18 ⁷ / ₈ "	26 ¹ / ₄ "	22 ¹³ / ₁₆ "	32 ³ / ₈ "	37 ¹ / ₂ "	38 ⁷ / ₈ "	41 ³ / ₈ "	40 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "	45 ¹ / ₄ "
Samozi	Height		3 ¹ / ₄ "	3 ⁵ / ₈ "	5"	4 ¹ / ₈ "	5 ¹ / ₁₆ "	5 ¹ / ₁₆ "	6 ¹ / ₂ "	5 ³ / ₄ "	7 ¹ / ₁₆ "	8 ¹⁵ / ₁₆ "	8 ³ / ₄ "	8 ³ / ₈ "	10 ³ / ₄ "	11 ¹ / ₂ "	12 ¹ / ₄ "	12 ¹ / ₄ "	12 ¹ / ₄ "	12 ¹ / ₄ "	12 ¹ / ₄ "	12 ¹ / ₄ "	12 ¹ / ₄ "	15 ¹ / ₄ "	
	Abacus	N/A	11 ¹ / ₄ "	9 ⁷ / ₈ "	16 ³ / ₁₆ "	14 ¹ / ₄ "	17 ⁷ / ₈ "	16 ³ / ₈ "	20 ⁷ / ₈ "	18 ¹ / ₄ "	23 ³ / ₄ "	26"	28 ⁵ / ₈ "	28 ¹ / ₂ "	32"	36"	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	46 ¹ / ₄ "	
	Projection		3 ³ / ₈ "	3 ³ / ₈ "	5 ¹ / ₈ "	5 ¹ / ₈ "	5 ¹ / ₈ "	6"	5 ¹ / ₄ "	6 ³ / ₈ "	8 ³ / ₄ "	5 ¹ / ₄ "	10 ¹ / ₄ "	10 ¹ / ₄ "	10 ¹ / ₈ "	12 ¹ / ₂ "	13 ³ / ₄ "	13 ³ / ₄ "	13 ³ / ₄ "	13 ³ / ₄ "	13 ³ / ₄ "	13 ³ / ₄ "	13 ³ / ₄ "	16 ¹ / ₈ "	
	O/S to O/S		11 ³ / ₈ "	10"	16 ³ / ₁₆ "	14 ¹ / ₄ "	18 ¹ / ₁₆ "	16 ³ / ₈ "	20 ⁷ / ₈ "	18 ³ / ₈ "	23 ³ / ₄ "	26"	28 ⁵ / ₈ "	28 ¹ / ₂ "	32"	36"	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	38 ¹ / ₄ "	46 ¹ / ₄ "	

*Not available for square fluted PermaCast® **Load Bearing

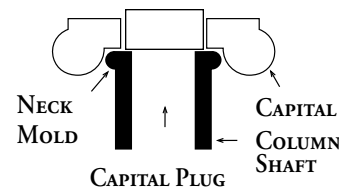
ORNAMENTAL CAPITALS FOR ROUND PERMACAST® COLUMNS

Adding a load bearing ornamental capital to a round PermaCast® column will lengthen or shorten the overall height of the column depending on the height of the capital. Subtract the "T" dimension (from the column dimensions chart) and add the height of the ornamental capital +/- 1/4" for overall column height.

8"-12" LOAD BEARING CAPITAL

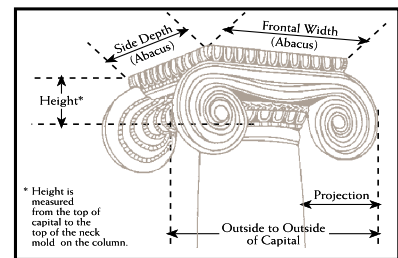
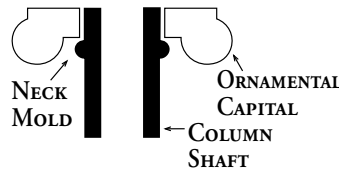


14"- 30" NON LOAD BEARING CAPITAL WITH SEPARATE LOADBEARING PLUG



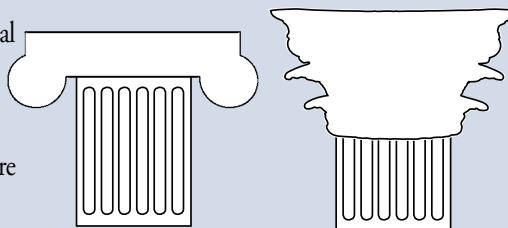
ORNAMENTAL CAPITALS FOR SQUARE PERMACAST® COLUMNS

Adding an ornamental capital to a square PermaCast® column DOES NOT change the length of the column shaft. The ornamental capital simply slides over the shaft. Neck molding can be applied or not.



SQUARE ORNAMENTAL CAPITAL INSTALLATION TIP

When installing an ornamental capital on fluted square columns, the capital slides over the shaft. The taller capitals will cover the flutes and require additional caulking to finish.





- 25 year warranty
- Custom styles available
- Made from cellular PVC
- Installation kit included
- Interior and exterior use
- Weather proof
- Insect proof
- Low maintenance



12" PermaWrap® Column, with
Tuscan Base and Custom Cap

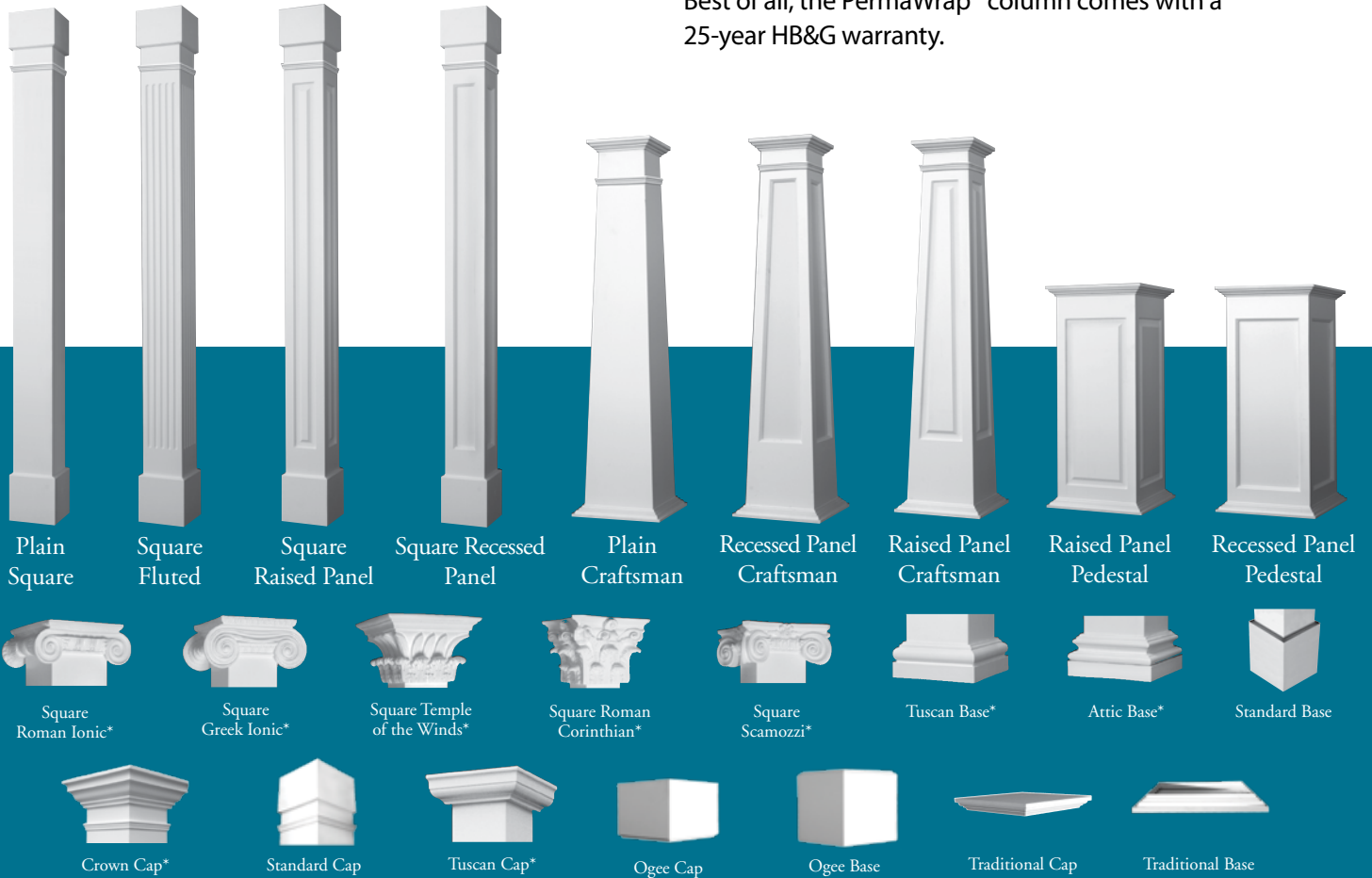
Custom PermaWrap® Columns

From 5" to 24" width and 2' to 20' height, you can now order the perfect custom column for your home or neighborhood project. Custom columns are manufactured using $\frac{1}{2}$ " or $\frac{5}{8}$ " cellular PVC. Ask HB&G today how you can put a unique signature on your next custom project. Simply visit our website, www.hbgcolumns.com, or contact our Architectural Department at 1-800-264-4HBG.

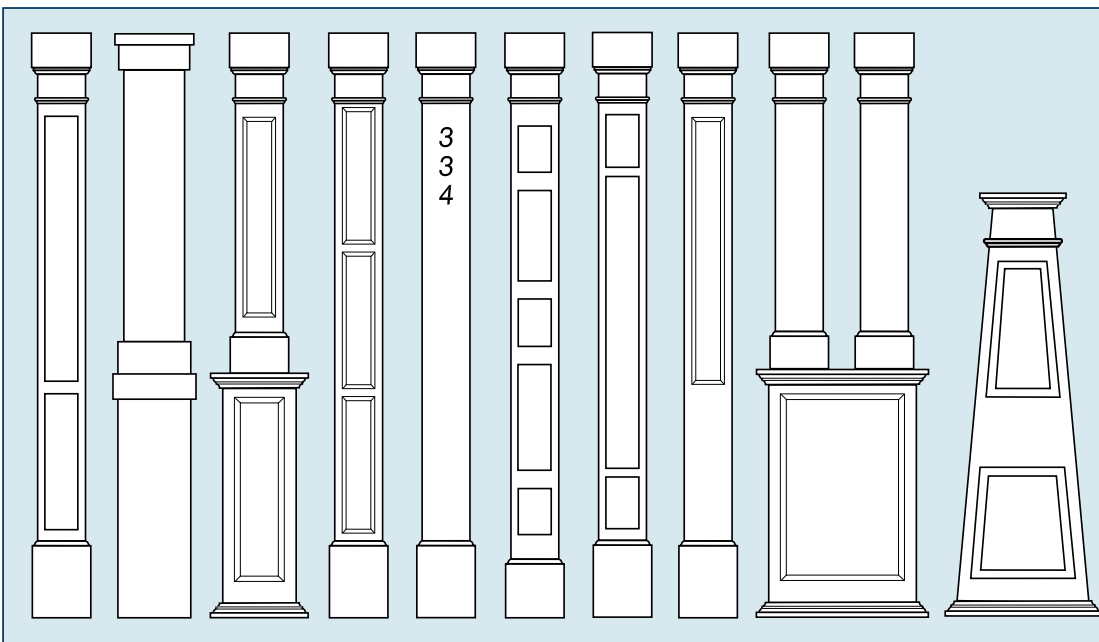
Leading the industry in column innovation, HB&G PermaWrap® columns are made from cellular PVC and offer advantages of being unaffected by moisture and insects, but with the thickness, ease of use and workability of wood.

PermaWrap® Columns are available in all sizes and styles — square or craftsman — plain, fluted, raised panel, and recessed panel. With all of these options, you are certain to find just the right amount of detail for your specific project.

Best of all, the PermaWrap® column comes with a 25-year HB&G warranty.



**Made from polyurethane and may need to be split in the field for installation.*



Examples of custom PermaWrap® columns



Assembled



"L"-Assembly



24" x 18' Square Recessed PermaWrap® Columns

Two Ways to Order PermaWrap® Columns

Assembled

- Manufactured from Cellular PVC
- Fully Assembled
- Ready to Install

L-Assembly

- Manufactured from 3/8", 1/2" or 5/8" Cellular PVC
- Shipped in two "L" shaped halves
- Square Column Ready to Wrap Around an Existing Post
- Available in Plain, Fluted, Raised Panel, Recessed Panel
- Craftsman Columns Available in Plain, Raised and Recessed Panel Styles



10" x 8' Custom Raised Panel Square PermaWrap® Columns and Custom Rail Design

Painting and Finishing

Caulk where required using Siroflex brand Sealant and Adhesive provided by manufacturer. Putty any holes using acrylic putty or caulk. Lightly sand or scuff surface of column. Clean surface of column to remove any dirt or hand oil residue with light detergent and water, denatured alcohol, or window cleaner. Be sure to remove soap residue with clean water. Apply one coat of 100% acrylic exterior primer and one or more finish coats of 100% acrylic exterior paint.

Do not paint columns using dark colors (dark colors are considered any color that falls within the L value of 56 to 0). L is a measure of lightness of an object and ranges from 0 (black) to 100 (white).

Warranty Info

Subject to the terms, conditions and limitations stated herein, HB&G Building Products, Inc., warrants to the original purchaser that PermaWrap® columns will be free from manufacturing defects which cause the product to rot, delaminate or excessively swell during the applicable warranty period. This warranty shall be effective for a period of 25 years from date of original purchase.

This warranty does not cover painted finish or coating applied to PermaWrap® columns by the original purchaser or any third party. Failure to adhere to manufacturer's recommended guidelines for application of painted surfaces shall void this warranty. This warranty does not cover improper installation of PermaWrap® columns or its structural supports. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim.

Installation cost not included. HB&G gives no other warranty expressed or implied.



14" x 10' Custom Raised Panel PermaWrap® Columns

16" x 6' Craftsman PermaWrap® Column with Pedestal

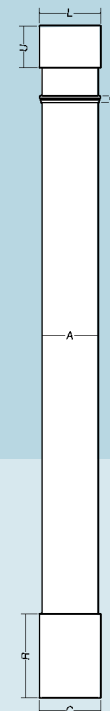
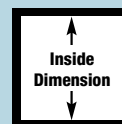
PLAIN PERMAWRAP® DIMENSIONS (IN INCHES)

	Col Width	A	C	G	L	R	U	Lengths
Assembled	6"	5 ⁷ / ₈ "	6 ⁵ / ₈ "	1"	6 ³ / ₈ "	12"	6"	8', 10'
	8"	7 ⁷ / ₈ "	8 ⁵ / ₈ "	1"	8 ⁵ / ₈ "	12"	6"	8', 10', 12'
	10"	9 ⁷ / ₈ "	10 ⁵ / ₈ "	1"	10 ⁵ / ₈ "	12"	6"	8', 10', 12'
	12"	11 ⁷ / ₈ "	12 ⁵ / ₈ "	1"	12 ⁵ / ₈ "	12"	6"	8', 10', 12'
L Assembly	6"	5 ⁷ / ₈ "	6 ³ / ₈ "	1"	6 ³ / ₈ "	12"	6"	8', 10'
	8"	7 ⁷ / ₈ "	8 ³ / ₈ "	1"	8 ³ / ₈ "	12"	6"	8', 10', 12'
	10"	9 ⁷ / ₈ "	10 ³ / ₈ "	1"	10 ³ / ₈ "	12"	6"	8', 10', 12'
	12"	11 ⁷ / ₈ "	12 ³ / ₈ "	1"	12 ³ / ₈ "	12"	6"	8', 10', 12'

Additional sizes are available from 5" to 24" width and 2' to 20' height

INSIDE DIMENSIONS

6"	4 ⁵ / ₈ "
8"	6 ⁵ / ₈ "
10"	8 ⁵ / ₈ "
12"	10 ⁵ / ₈ "



PERMAWRAP® FLUTED, RECESSED PANEL AND RAISED PANEL DIMENSIONS (IN INCHES)

Col Width	A	C	G	L	N	O	S*	R	U	Lengths
6"	5 ⁷ / ₈ "	7 ¹ / ₈ "	1 ¹ / ₈ "	7 ¹ / ₈ "	6"	6"	1 ³ / ₄ "	9"	7"	6', 8', 9', 10'
8"	7 ⁷ / ₈ "	9 ¹ / ₈ "	1 ¹ / ₈ "	9 ¹ / ₈ "	6"	6"	1 ³ / ₄ "	9"	7"	6', 8', 9', 10', 12'
10"	9 ⁷ / ₈ "	11 ¹ / ₈ "	1 ¹ / ₈ "	11 ¹ / ₈ "	6"	6"	1 ³ / ₄ "	9"	7"	6', 8', 9', 10', 12'
12"	11 ⁷ / ₈ "	13 ¹ / ₈ "	1 ¹ / ₈ "	13 ¹ / ₈ "	6"	6"	1 ³ / ₄ "	9"	7"	6', 8', 9', 10', 12'

Rail breaks are 7" long, and designed to fit 36" or 42" rail heights.

*S dimension for 6" raised panel is 1-1/4", 8" raised panel is 1-1/2".

S dimension for fluted columns vary.

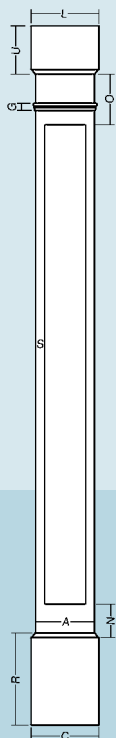
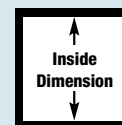
Additional sizes are available from 5" to 24" width and 2' to 20' height

INSIDE DIMENSIONS

6"	3 ⁷ / ₈ "
8"	5 ⁷ / ₈ "
10"	7 ⁷ / ₈ "
12"	9 ⁷ / ₈ "

NUMBER OF FLUTES PER SIDE

6"	3
8"	5
10"	7
12"	8



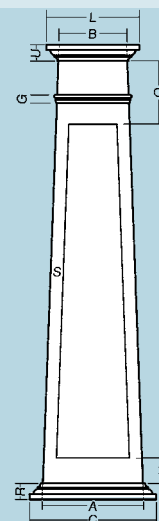
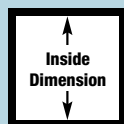
PERMAWRAP® CRAFTSMAN DIMENSIONS (IN INCHES)

Col Width	A	B	C	G	L	N	O	S	R	U	Lengths
12"X8"	11 ⁷ / ₈ "	7 ⁷ / ₈ "	14 ⁷ / ₈ "	1 ¹ / ₈ "	10 ⁷ / ₈ "	6"	6"	1 ³ / ₄ "	2"	2"	54", 60", 66", 72", 96"
16"X10"	15 ⁷ / ₈ "	9 ⁷ / ₈ "	18 ⁷ / ₈ "	1 ¹ / ₈ "	12 ⁷ / ₈ "	6"	6"	1 ³ / ₄ "	2"	2"	54", 60", 66", 72", 96"
20"X15"	19 ⁷ / ₈ "	14 ⁷ / ₈ "	22 ⁷ / ₈ "	1 ¹ / ₈ "	19 ⁷ / ₈ "	6"	6"	1 ³ / ₄ "	2"	2"	54", 60", 66", 72", 96"

Additional sizes are available from 5" to 24" width and 2' to 20' height

INSIDE DIMENSIONS

	Bottom	Top
12" x 8"	10 ⁵ / ₈ "	5 ⁷ / ₈ "
16" x 10"	14 ⁵ / ₈ "	6 ⁷ / ₈ "
20" x 15"	18 ⁵ / ₈ "	12 ⁷ / ₈ "



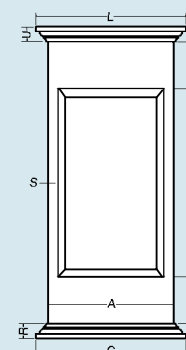
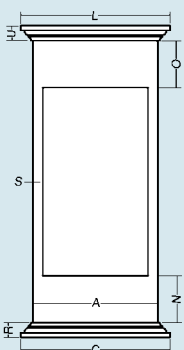
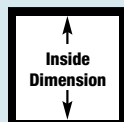
PERMAWRAP® PEDESTAL DIMENSIONS (IN INCHES)

Col Width	A	C	L	N	O	S	R	U	Lengths
16"	15 ⁷ / ₈ "	18 ⁷ / ₈ "	18 ⁷ / ₈ "	6"	6"	1 ³ / ₄ "	2"	2"	40", 46"
20"	19 ⁷ / ₈ "	22 ⁷ / ₈ "	22 ⁷ / ₈ "	6"	6"	1 ³ / ₄ "	2"	2"	40", 46"
24"	23 ⁷ / ₈ "	26 ⁷ / ₈ "	26 ⁷ / ₈ "	6"	6"	1 ³ / ₄ "	2"	2"	40", 46"

Additional sizes are available from 5" to 24" width and 2' to 20' height

INSIDE DIMENSIONS

16"	13 ⁷ / ₈ "
20"	15 ⁷ / ₈ "
24"	21 ⁷ / ₈ "



See page 16 for Ornamental Capital Dimensions.

PermaLite Square Columns

- Weather Proof
- Insect Proof
- Load Bearing
- Low Maintenance

- Lightweight
- Ready to prime
and Paint
- Lifetime Warranty





The HB&G PermaLite square column is the latest addition to the HB&G synthetic column family. New PermaLite columns are cost effective, load bearing, versatile, and require very little maintenance. The PermaLite column is available in plain and recessed panel styles.

PermaLite Recessed (with panel kit)

PermaLite Recessed (with panel divider kit)

PermaLite Recessed (with 2-panel divider kits)

PermaLite Plain



Angular Greek Ionic



Greek Erectheum



Roman Ionic



Roman Corinthian



Empire



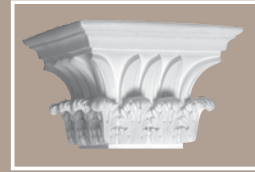
Scamozzi



Tuscan Base



Tuscan Cap



Temple of the Winds

TOP VIEW CUT-AWAY



PermaLite Plain



PermaLite Recessed

See page 24 for Cap Dimensions.

PermaLite Square Columns

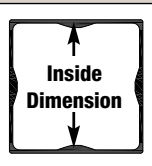
PLAIN AND RECESSED PANEL SQUARE PERMALITE COLUMN DIMENSIONS (IN INCHES)

Col. Size	A	C	D	E	G	J	K	L	N	O	P	Length Avail. (ft.)
6"	5 1/2"	8 1/2"	1 1/2"	1 3/4"	1"	7/8"	1 1/16"	8"	N/A	N/A	N/A	6,8,9,10
8"	7 1/2"	10 3/8"	1 7/8"	2 3/8"	1"	1"	1 3/8"	10 1/8"	8"	8"	4 7/8"	6,8,9,10,12
10"	9 1/2"	13"	2 3/8"	2 7/8"	1"	1 1/4"	1 3/4"	12 3/4"	9"	9"	5 5/16"	6,8,9,10,12
12"	11 1/2"	15 1/4"	2 3/4"	3 1/4"	1"	1 3/8"	2"	15 7/8"	N/A	N/A	N/A	6,8,9,10,12

NOTE: Recessed Panel top inset – 8"=8", 10"= 9"; Bottom inset – 8"=8", 10"=9".
See page 24 for Ornamental Capital Dimensions. Neck mold is adjustable and is applied in the field.
Recessed Panel available in 8" and 10" sizes only. 8" and 10" cap and base dimensions are for SIM caps and bases.

INSIDE DIMENSION

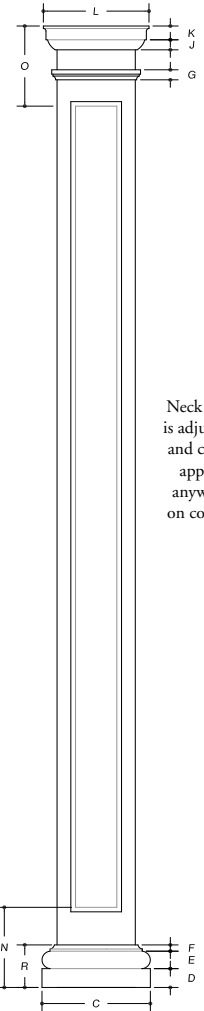
Col. Width	Inside
6"	4 5/8"
8"	6 5/8"*
10"	8 5/8"*
12"	10 5/8"



*Recessed Panel Inside Dimensions 8" – 5 5/8"; 10" – 7 5/8"

LOAD BEARING SPECIFICATIONS

Col. Width	Structural Load (lbs)
6"	5,000
8"	6,500
10"	7,000
12"	7,500



Neck mold is adjustable and can be applied anywhere on column

PermaLite Square Column shown with Tuscan Cap and Base.



PERMALITE PANEL DIVIDER KITS TO CONVERT A SINGLE PANEL COLUMN INTO A 2 OR 3-PANEL COLUMN

RECESSED – Includes four top panel insert pieces and four bottom panel insert pieces.

PANEL DIVIDER KITS are available.

Kit Size	Width	Height
8" Panel Divider Kit (4 Pieces)	4 7/8"	2 1/4"
10" Panel Divider Kit (4 Pieces)	5 5/16"	5 1/8"

1 panel kit to achieve 2 panel column.
2 panel kits to achieve 3 panel column.

PermaLite Capitals and Bases



Tuscan Base



Tuscan Cap

TUSCAN CAP AND BASES

Tuscan Cap and Base dimensions are located on:
page 8 for Round PermaCast®;
page 10 for SquarePermaCast®;
page 23 for PermaLite Columns.

Lifetime Warranty

HB&G warrants that for the "lifetime" of ownership the PermaLite column is free from defects in material and workmanship. "Lifetime" means as long as the purchaser owns the structure to which the PermaLite columns are attached. Upon proper installation of the column, HB&G will repair or replace, at its option, any PermaLite column that has failed as a result of defective material or workmanship of HB&G. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied. For complete warranty visit www.hbgcolumns.com.

ORNAMENTAL CAPITAL DIMENSIONS FOR PERMALITE COLUMNS



Angular Greek Ionic

ANGULAR GREEK IONIC

	8"	10"	12"
Width	N/A	N/A	12 ¹ / ₂
Height	N/A	N/A	7 ¹ / ₄
Abacus	N/A	N/A	20 ¹ / ₂



Empire

EMPIRE

	8"	10"	12"
Width	8	N/A	N/A
Height	5 ¹ / ₄	N/A	N/A
Abacus	13 ¹ / ₄	N/A	N/A



Greek Erectheum

GREEK ERECTHEUM

	8"	10"	12"
Width	8 ¹ / ₂	9 ³ / ₄	N/A
Height	5 ¹ / ₄	6	N/A
Abacus	11	12 ¹ / ₄	N/A



Roman Corinthian

ROMAN CORINTHAN

	8"	10"	12"
Width	8 ¹ / ₂	10	12 ¹ / ₂
Height	11 ¹ / ₂	14 ³ / ₄	17 ¹ / ₂
Abacus	14 ⁵ / ₈	20	22 ³ / ₄



Roman Ionic

ROMAN IONIC

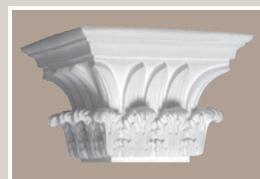
	8"	10"	12"
Width	7 ¹ / ₂	10 ¹ / ₂	12
Height	3 ³ / ₈	4 ³ / ₈	5
Abacus	9 ¹ / ₂	13	16 ³ / ₄



Scamozzi

SCAMOZZI

	8"	10"	12"
Width	8 ¹ / ₄	10	12 ¹ / ₄
Height	3 ³ / ₄	5	5 ³ / ₄
Abacus	14 ¹ / ₄	16 ¹ / ₂	18 ³ / ₄



Temple of the Winds

TEMPLE OF THE WINDS

	8"	10"	12"
Width	8 ¹ / ₄	10 ¹ / ₄	N/A
Height	10	11 ³ / ₈	N/A
Abacus	14	17	N/A

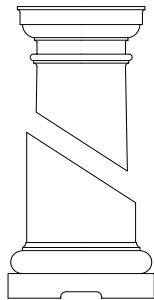
PermaLite Ornamental Capitals install on the top of the shaft.

ARCHITECTURAL COLUMNS



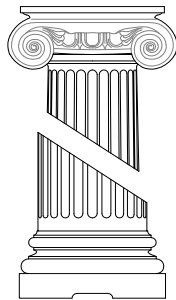
HB&G's architectural shop can produce a complete line of architectural wood column styles and sizes on a made-to-order basis. We offer columns ranging from the timeless architectural orders to more modern no-taper rounds, squares (plain and panel), craftsman, colonial, and barrel columns. Columns are available in paint grade woods (finger-jointed pine, redwood, or cedar) for interior or exterior use, or stain grade woods for interior applications (most common stain grade species are shown below). We recommend using western red cedar or heart redwood for exterior applications due to their superior natural weather-resistant characteristics. We can factory prime columns to be painted and apply asphalt coating for added protection for columns to be installed outside.

THE CLASSIC COLUMNS



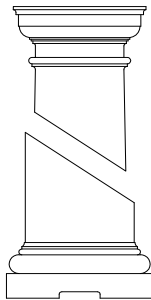
Tuscan

- Simplest and strongest design
- Usually Plain rather than fluted
- Shaft length, including cap and base, is seven times diameter



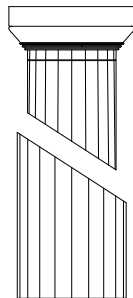
Roman Ionic

- Ornate design with decorative scrolled capital and Attic Base
- Contains 24 semi-circular flutes separated by fillets
- Shaft length, including cap and base, is nine times diameter



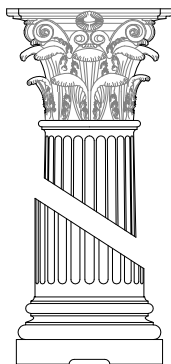
Roman Doric

- Next in strength and simplicity to the Tuscan cap and base contain additional moulding detail
- Usually Plain rather than fluted
- Shaft length, including cap and base, is eight times diameter



Greek Doric

- Has no base
- Contains 20 shallow flutes that form peaks (no fillets)
- Shaft length, including cap, is five and a half diameters



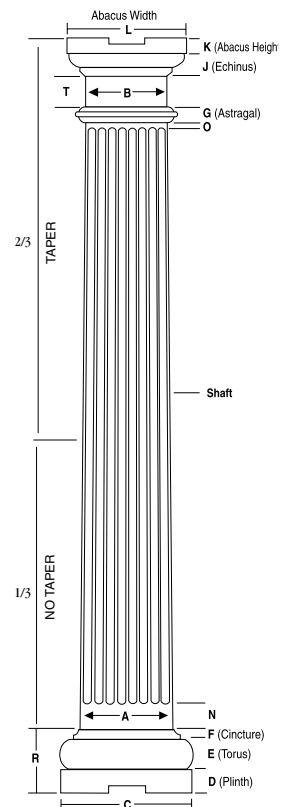
Roman Corinthian

- Most elegant style, features an inverted bell capital adorned with acanthus leaves and an Attic Base
- Fluted in the Ionic Style
- Shaft length including cap and base is ten diameters

SHAFT SPECIFICATIONS FOR TUSCAN, ROMAN IONIC, ROMAN DORIC AND ROMAN CORINTHIAN COLUMNS

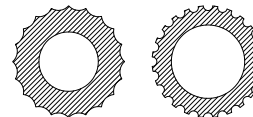
Shaft Nominal Diameter	Bottom	Top	Flutes	
	Net Inside Diameter	Net Inside Diameter	Number	Width
6"	3	2 1/2	24	1/2
8"	5 1/4	4 3/8	24	1 1/16
10"	7 1/4	6 3/8	24	7/8
12"	9	7 3/4	24	1
14"	10 1/8	9	24	1 1/4
16"	12	10	24	1 1/4
18"	14 1/4	12	24	1 1/2
20"	16 1/4	13	24	1 11/16
22"	18 1/4	15	24	1 15/16
24"	20 1/4	17	24	2 1/8
26"	22 1/8	19	24	2 1/4
28"	24 1/8	21	24	2 11/16

MOST POPULAR STAIN GRADE WOOD SPECIES



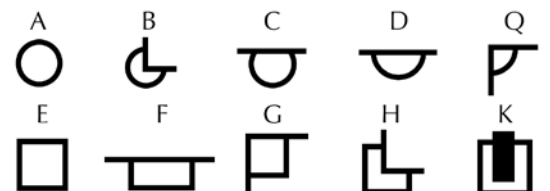
ROUND FLUTED COLUMN WITH TUSCAN CAP & BASE

FLUTE OPTIONS



Greek Doric Roman Ionic

SPLITTING OPTIONS



ROUND STOCK WOOD COLUMNS

STOCK COLUMN DIMENSIONS (IN INCHES)

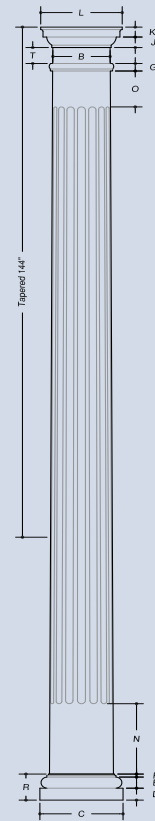
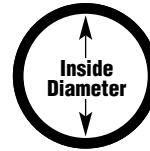
COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTH AVAIL (ft)
6"	5 ⁵ / ₈ "	4 ³ / ₈ "	7 ¹ / ₄ "	1 ³ / ₈ "	1 ¹ / ₄ "	3 ¹ / ₈ "	1 ⁵ / ₁₆ "	1 ³ / ₁₆ "	1 ³ / ₁₆ "	7"	4 ¹ / ₂ "	8"	3 ³ / ₁₆ "	2"	8,10
8"	7"	6 ¹ / ₄ "	9 ¹ / ₄ "	1 ¹ / ₂ "	1 ¹ / ₄ "	3 ¹ / ₄ "	1 ⁵ / ₁₆ "	1 ¹ / ₄ "	1 ¹ / ₄ "	8 ⁷ / ₈ "	4 ¹ / ₂ "	8"	3 ¹ / ₄ "	2"	8,10,12
10"	9"	8 ¹ / ₄ "	11 ¹ / ₄ "	1 ¹ / ₂ "	1 ¹ / ₄ "	3 ¹ / ₄ "	1 ⁵ / ₁₆ "	1 ¹ / ₄ "	1 ¹ / ₁₆ "	10 ¹ / ₂ "	4 ¹ / ₂ "	8"	3 ¹ / ₄ "	2"	8,10,12
12"	11 ¹ / ₈ "	9 ³ / ₈ "	13 ³ / ₈ "	1 ³ / ₈ "	1 ¹ / ₄ "	7 ¹ / ₈ "	1 ⁵ / ₁₆ "	1 ³ / ₄ "	1 ³ / ₈ "	12"	4 ¹ / ₂ "	8"	3 ¹ / ₈ "	2"	8, 10, 12

Larger sizes available. Call for quote.

ROUND WOOD INSIDE DIMENSIONS

Inside diameter may vary up to 1/4".
Splitting a column will decrease inside dimension 1/8".

COL. DIA.	TOP I.D.	BOT I.D.
6"	3 ¹ / ₈ "	3 ¹ / ₈ "
8"	4 ³ / ₈ "	4 ³ / ₈ "
10"	6 ³ / ₄ "	6 ³ / ₄ "
12"	7 ¹ / ₈ "	9 ³ / ₈ "



CAPITALS AND BASES FOR STOCK WOOD COLUMNS

CAPITAL DIMENSIONS FOR ROUND COLUMNS (IN INCHES)

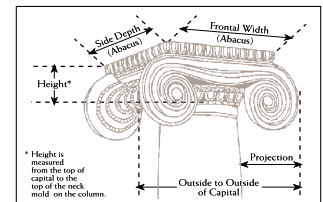
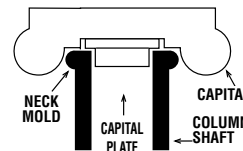
Size of Columns (Diameter at bottom of shaft)		8"	10"	12"
		ROUND	ROUND	ROUND
Roman Ionic	Height	3 ¹⁵ / ₁₆ "	4"	4 ⁵ / ₈ "
	Abacus	8 ¹ / ₈ "	10 ³ / ₄ "	12 ¹ / ₂ "
	Projection	3 ¹ / ₈ "	4 ¹ / ₈ "	5"
	O/S to O/S	10 ¹ / ₂ "	13 ⁹ / ₁₆ "	16 ¹ / ₂ "
Greek Ionic	Height	4 ¹ / ₈ "	5 ¹ / ₈ "	6 ⁹ / ₁₆ "
	Abacus	7 ¹⁵ / ₁₆ "	10 ¹¹ / ₁₆ "	14 ³ / ₈ "
	Projection	3 ⁵ / ₈ "	5"	7 ¹ / ₂ "
	O/S to O/S	11 ⁷ / ₈ "	14 ¹⁵ / ₁₆ "	20 ¹¹ / ₁₆ "
Temple of the Winds	Height	8"	10 ⁵ / ₁₆ "	11 ⁵ / ₈ "
	Abacus	11 ⁷ / ₈ "	13 ⁷ / ₁₆ "	16 ⁹ / ₁₆ "
	Projection	5 ¹ / ₂ "	6"	7"
	O/S to O/S	11 ⁷ / ₈ "	13 ⁷ / ₁₆ "	16 ⁹ / ₁₆ "
Roman Corinthian	Height	8 ¹¹ / ₁₆ "	11 ¹⁵ / ₁₆ "	14 ⁵ / ₈ "
	Abacus	12 ¹ / ₁₆ "	14 ⁵ / ₈ "	18 ⁷ / ₈ "
	Projection	4 ¹ / ₄ "	6 ¹ / ₄ "	8 ¹ / ₄ "
	O/S to O/S	12 ¹ / ₁₆ "	14 ³ / ₈ "	18 ⁷ / ₈ "
Scamozzi	Height	3 ¹ / ₈ "	4 ¹ / ₈ "	5 ¹ / ₁₆ "
	Abacus	9 ⁷ / ₈ "	14 ¹ / ₄ "	16 ⁵ / ₈ "
	Projection	3 ³ / ₈ "	5 ³ / ₈ "	6"
	O/S to O/S	10"	14 ¹ / ₄ "	16 ⁵ / ₈ "

*8"-12" Round Ornamental Capitals are load bearing

*Ornamental capitals are composition caps FOB Cleveland

8" - 12" LOAD BEARING ORNAMENTAL CAPITALS FOR ROUND WOOD COLUMNS

Adding a load bearing ornamental capital to a round wood column will lengthen or shorten the overall height of the column depending on the height of the capital. Subtract the "T" dimension (from the column dimensions chart) and add the height of the ornamental capital +/- 1/4" for overall column height.



LOAD-BEARING CAPACITY	
Diameter	Pine
6"	3,000
8"	4,100
10"	5,500
12"	6,600

CAPITAL & BASE OPTIONS

Capitals and bases for wood columns are load bearing. The shaft fits on the capital and base and alters the height of the shaft. Several options are offered for wood columns.

TUSCAN CAPITAL AND BASE (STANDARD)
The Tuscan style is standard and best complements the wood column. Tuscan is available for all ROUND wood shafts.

ORNAMENTAL CAPITALS
Five styles of ornamental capitals are available. Nothing makes a statement like wood columns with an ornamental cap. 8"-12" ornamental capitals for Round wood columns are load bearing.

Using an ornamental capital with a wood shaft will alter the height of the shaft.

ATTIC BASE
Attic bases are used for a more ornate look and comes in two pieces. The plinth (see DD dimension in chart and the torus (EE)).

TIPS
When ordering an ornamental cap order the appropriate base for the column.

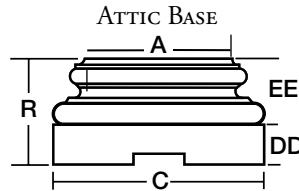
Ornamental caps will lengthen or shorten the height of the column.

Insure exact opening measurement prior to ordering column length.

WHAT YOU NEED TO KNOW

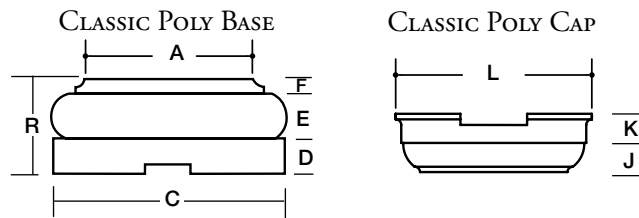
- The height of a column includes capital and base Ex. 8' = shaft 7' 6 1/2" and capital and base total 8'.
- Cap and base fit on top and bottom of column insulation the column from the elements.
- Split columns are not load bearing.
- For transportation purposes small section of split columns are left partially intact.
- Store columns in dry, well ventilated area.
- For exterior applications: Paint inside of column shaft with a nonfibrous asphaltum type roof coating. Application must reach minimum 48" up the inside bottom of the column shaft.
- Wood columns require ventilation at the top and bottom.
- Failure to adhere to installation instructions voids the warranty

The same cap and base profiles offered in PermaCast® are also available for stock wood.



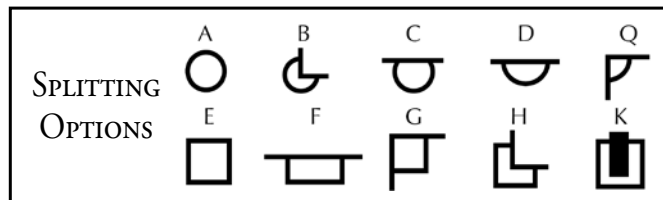
For columns 8" to 12" in diameter, bases including plinth are Polyurethane. 6" only available in wood.

COLUMN SIZE	BOTTOM DIA. (NET)	ROUND BASE			
		A	C	DD	EE
6"*	CALL	CALL	CALL	CALL	CALL
8"	8 1/8"	10 1/4"	1 7/8"	3 1/4"	5 1/8"
10"	9 5/8"	13"	2 1/2"	4"	6 1/2"
12"	11 5/8"	16"	2 7/8"	4 5/8"	7 1/2"



CLASSIC POLY CAP AND BASE DIMENSIONS

BASE	A	C	D	E	F	R	CAP	J	K	L
8"	7"	10 1/4"	1 7/8"	1 3/4"	5/8"	4 1/4"	8"	1 1/16"	1 1/16"	8 7/8"
10"	9"	12 7/8"	2 7/16"	2 1/8"	3/4"	5 5/16"	10"	1 1/4"	1 3/4"	10 5/8"
12"	11 5/8"	16"	2 7/8"	2 3/8"	7/8"	6 1/8"	12"	1 3/4"	2 1/16"	13 3/4"



Warranty

HB&G warrants that for one year from date of shipment from its factory, its stock pine columns, when properly and adequately protected from the elements will be free of defects in material or workmanship. Columns must be properly stored in a cool, dry environment prior to installation. In the event defects are found, HB&G agrees to replace or repair the product at their option. No one is authorized to promise any other liability. Any changes, attachments, modifications or improvements to the products are specifically excluded from this warranty. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.

The PermaPost[®] Collection

- Weather Proof
- Insect Proof
- Load Bearing
up to 5,000 lbs.

- Low Maintenance
- Finished White,
Ready to Install
- 25 Year Warranty

Chamfered PermaPost[®] with Savannah
PermaPorch[®] Railing and Square Balusters.

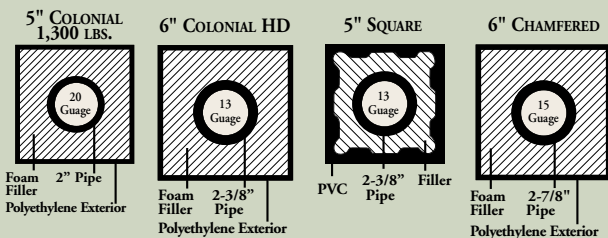
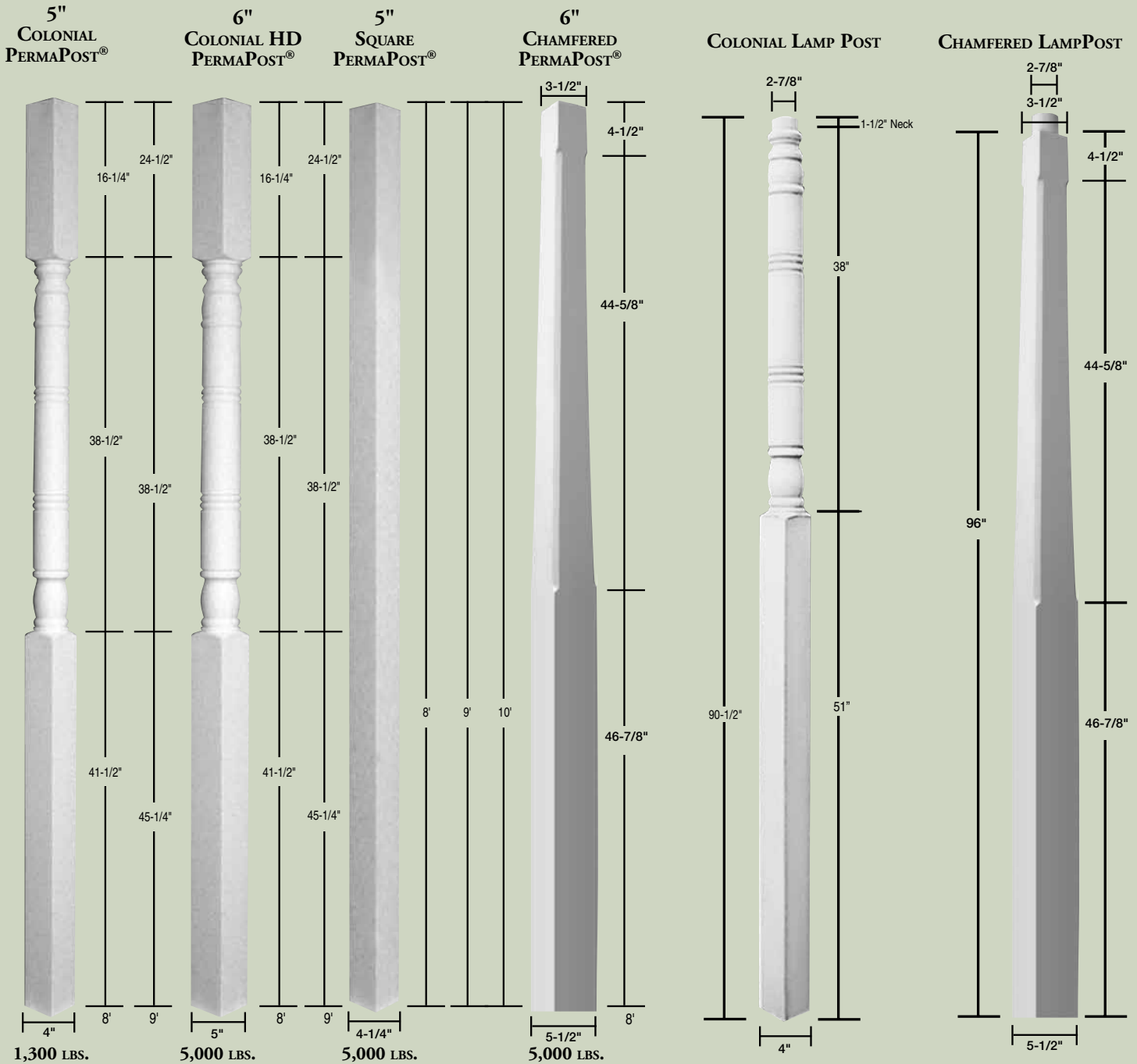


The PermaPost® is made from a super low maintenance polyethylene and is finished white. For a warm and inviting decorative look for your

front porch, choose from either the 5" or 6" Colonial post, the 5" square post, or the new 6" Chamfered post.

PermaPosts®

Perma Lamp Posts



The Perma Lamp Post is an attractive way to light a drive or garden area. The pipe in the center is designed to allow a wire to be easily installed. The 2^{7/8}" pipe fits most outdoor lamp fixtures.

Description

Dimensions are nominal and may vary slightly.

- 5" Colonial PermaPosts® and lamp posts are net 4"
- 6" Colonial PermaPosts® are net 5"

Chamfered PermaPosts® and lamp posts are net 3 1/2" and 5 1/2"

- Square posts are net 4 1/4"
- Lamp posts can accommodate most outdoor lamp fixtures.

The PermaPost® is composed of a polyethylene shell which surrounds a galvanized steel pipe (20 gauge for the 5" post, 13 gauge for the 6" post) and polyurethane foam filler. The 6" PermaPost® is tested to carry a load of up to 5,000 lbs., and the 5" post is rated at 1,300 lbs. (ASTM A500 (40 K.S.I.)



PermaPost®

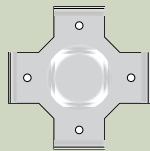
Warranty

HB&G warrants that for twenty-five years the PermaPost® porch or lamp post is free from defects in material and workmanship. Upon proper installation of the post, HB&G will replace any PermaPost® which has failed as a result of defective material or workmanship. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.

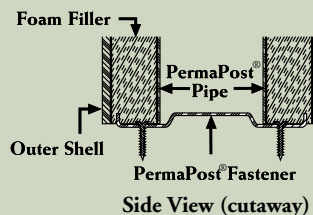
FASTENING SYSTEMS

COLONIAL PERMAPOST®

Two (2) PermaPost® Fasteners are shipped with each colonial post.



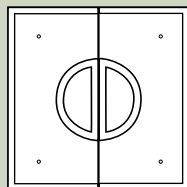
Top View of Fastener



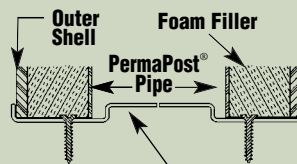
Side View (cutaway)

SQUARE PERMAPOST®

Two (2) PermaPost® Fasteners are shipped inside each post.



Top View of Fastener

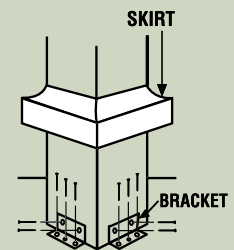


Side View (cutaway)

OPTIONAL

PERMAPOST® FASTENING KITS

Each kit comes complete with skirt, brackets, and TapCon screws for wood or concrete substrates. Available for all PermaPost® styles.



Brackets

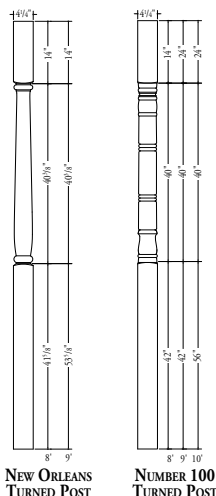
HB&G Brackets provide an inexpensive and low maintenance way to dress up your home. Choose from a wide variety of styles. Brackets can be used with

either the PermaPosts® or wood posts. Enjoy a low-maintenance way to add style and decor to your front porch.



WOOD PORCH POSTS

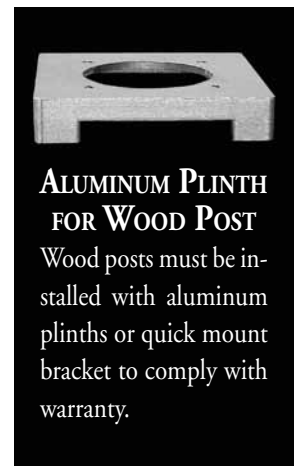
HB&G warrants that the wood porch post is free from defects in material and workmanship. For one year, upon proper installation of the post, HB&G will replace any wood post which has failed as a result of defective material or workmanship. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.



LOAD BEARING	
SIZE	LOAD
4"	3,000
5"	6,000
6"	7,500

NUMBER 100 AND NEW ORLEANS

Our No. 100 and New Orleans turned wood posts are available in 4", 5" and 6" nominal sizes (Cross sections are 3 1/4", 4 1/4" and 5 1/4" net size).



ALUMINUM PLINTH FOR WOOD POST

Wood posts must be installed with aluminum plinths or quick mount bracket to comply with warranty.

The PermaPorch® Railing Collection

- Virtually Maintenance Free
- Pre-finished (ready to install or can be painted)
- Easy Installation
- As Versatile as Treated Lumber
- Available in Pre-built Sections
- Deck Options Available
- 10/25 Year Warranty
- Complete Kits Available



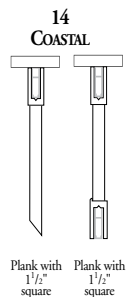
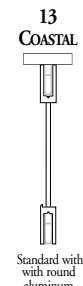
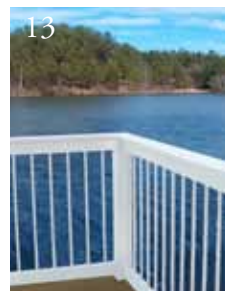
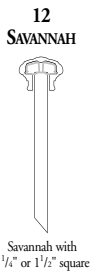
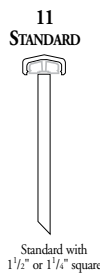
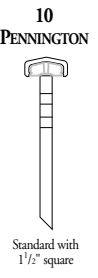
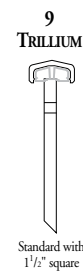
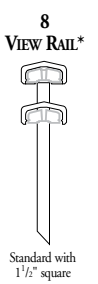
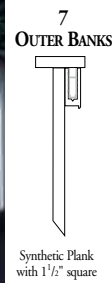
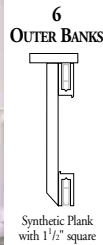
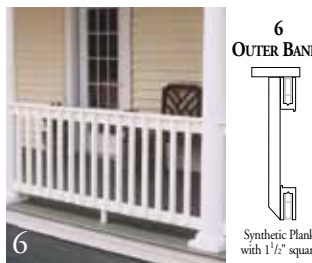
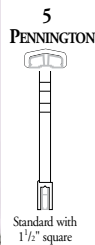
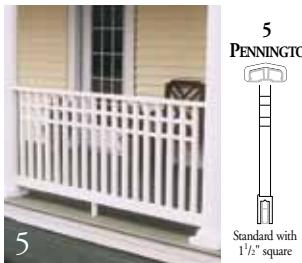
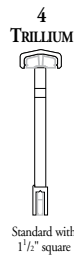
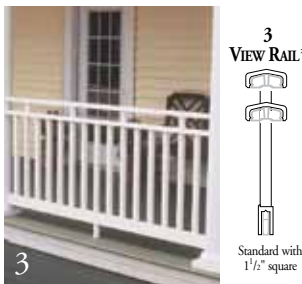
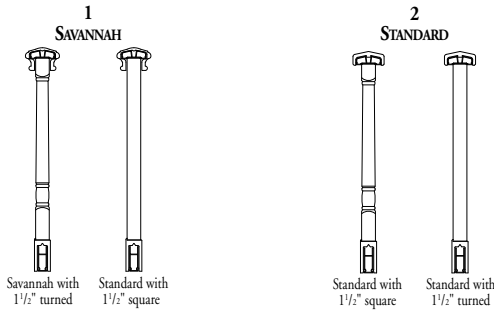
12" Round PermaCast® Column with Savannah PermaPorch® Railing

The PermaPorch® Railing system is a beautiful way to tie your whole porch look together. It is made up of several different components, allowing you the ability to create the designs

that match your way of life. Easy to install, this worry free railing system will be a beautiful, low maintenance addition to your porch or deck for generations to come.

Porch Railing

Deck Railing



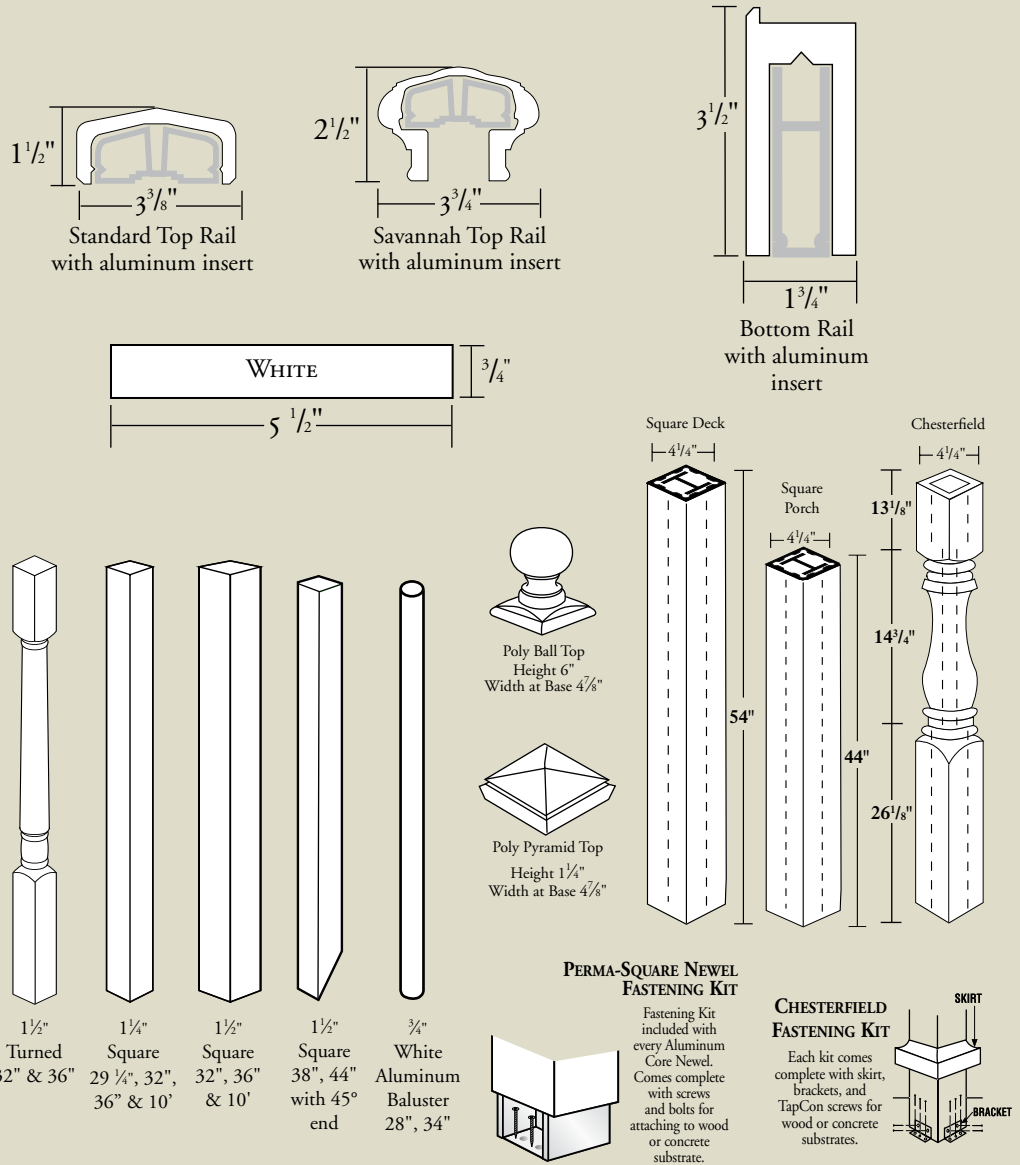
All rail sections suitable with columns (as shown) or PermaPost
* Top Rail Section must be installed on site.

Pre-built PermaPorch® Railing

Pre-built PermaPorch® Railings are available in a variety of styles to match your porch and deck design. The top and bottom rails are made of pre-finished weather resistant cellular PVC with aluminum inserts.

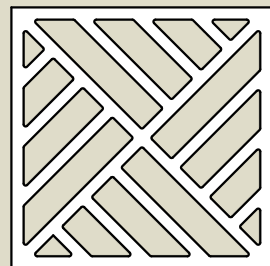


The top rail, bottom rail and balusters are available in pre-finished white. They are made from weather resistant cellular PVC. The balusters are also available in round aluminum.

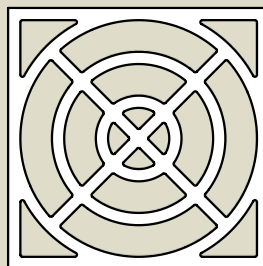


Custom Rail Panels

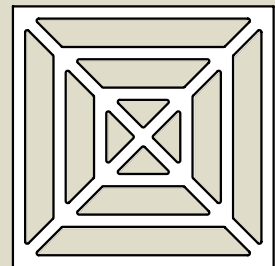
Custom rail panels are now available! Use our custom rail patterns to create a beautiful, one of a kind look that will set any home apart. HB&G's new rail panels are designed to work with the PermaPorch Railing top and bottom rails, they are made of cellular PVC and can be manufactured using your design or you can choose from one of the styles below. Contact a customer service representative now to order your custom rail panel.



Chipendale



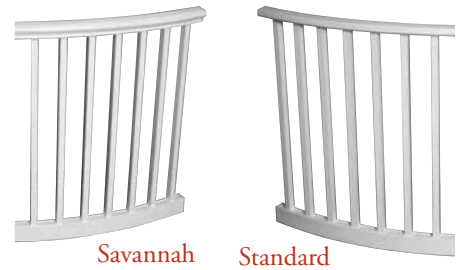
Circle Center



Spiderweb

Savannah PermaPorch Railing and 5" Square PermaPost®

HB&G has a wide range of PermaPorch® Railing styles and designs, and now with the new curved PermaPorch® Railing HB&G's line of rail products can meet the needs of any application. The curved PermaPorch® Railing is available with either the Standard or Savannah top rail with wood inserts. Radius from 60" to 240" are available in 8 foot sections. Balusters sold separately. For lead time and ordering info, call 1-800-264-4HBG.



Three Ways to Order the PermaPorch® Railing...

1. PRE-BUILT SECTIONS

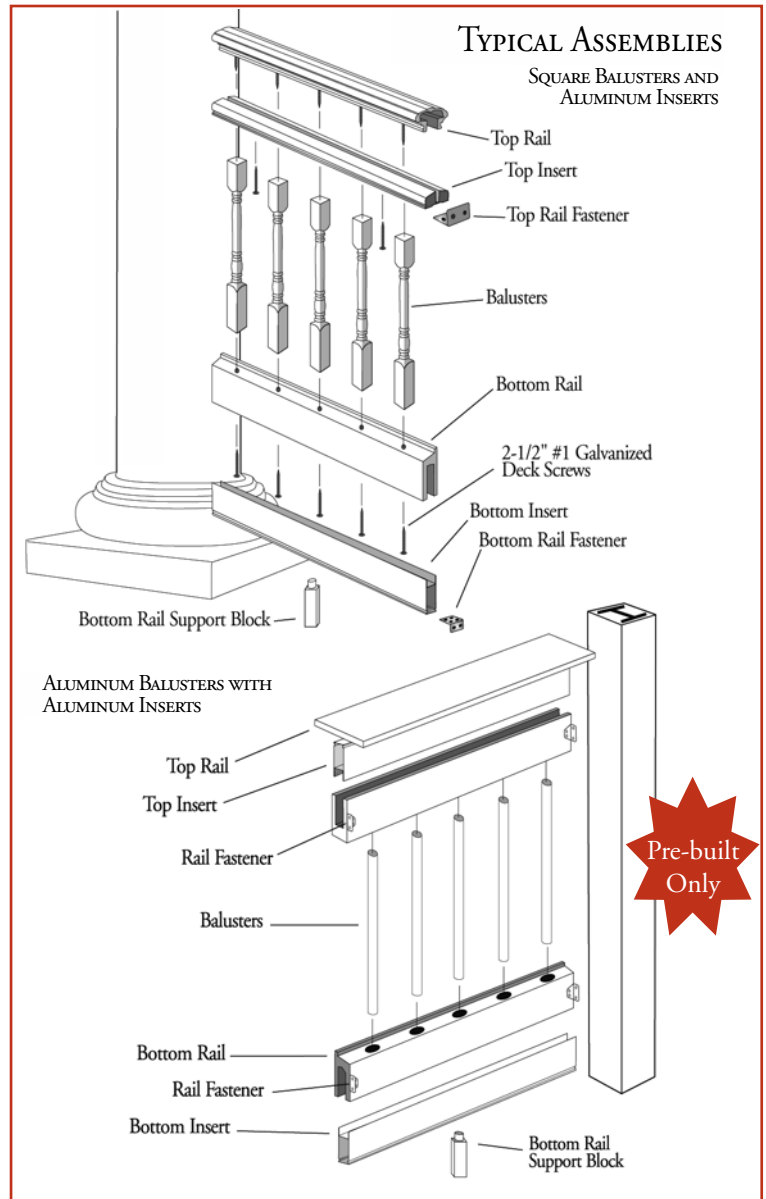
- Shipped factory assembled
- Easy to install
- Everything needed to install is included
- How to order
 - Choose length – 4', 6', or 8' sections
 - Choose desired style from page 33 and 34
 - Note rail height (36" or 42")
- Onsite trimming ensures exact fit

2. DO-IT-YOURSELF KIT

- Rail Section shipped in one box.
- Balusters are included in box.
- Everything needed to assemble and install is included.
- How to order:
 - Choose length – 6' or 8'.
 - Choose style – Savannah or Standard.
- Kit includes:
 - Savannah or Standard top rail.
 - Bottom rail.
 - Aluminum inserts.
 - 1 1/2" x 29 1/4" square balusters.
 - 8' = 18 balusters.
 - 6' = 14 balusters
 - Assembly and installation hardware.
 - Support block.
- Available in 36" rail height only.

3. INDIVIDUAL COMPONENTS

- Build your own design
- Mix and match components
- For a complete rail system you will need the following;
 - Top rail – standard or savannah
 - Top insert – aluminum, 8', 10', 12'
 - Balusters – 29 1/4", 32", 36" and 10' (Balusters may need to be trimmed for desired rail height)
 - Bottom rail
 - Bottom insert – aluminum, 8', 10', 12'
 - Support block
 - Fastening kit



Warranty

HB&G warrants that for 25 years the PermaPorch® Railing is free from defects in material and workmanship. The factory applied top coat (paint) is warranted for 10 years. Assuming proper installation, HB&G will repair or replace any PermaPorch Railing which has failed as a result of defective materials or workmanship. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.

BUILDER SELECT RAILING

- Limited Lifetime Warranty
- Stylish and Strong PVC Rail System
- Six Easy Installation Steps vs. 10-20 With Others
- Vibrant White UV Protected Rail System Engineered to Avoid Yellowing
- Tan Color Available - Special Order Only
- Will Never Need Painting
- Ideal for Residential and Commercial Applications
- Meets and Exceeds all International Building Codes (IBC) and International Residential Building Codes (IRC)
- Exceeds IBC, IRC, BOCA, SBCC1, and ASCE7 Building Code Requirements
- Approval for 2nd Floor and Higher Applications
- NEW Column Installation Brackets Available***
- Will Never Chip, Rust or Splinter
- Stress Tested/Impact Resistant



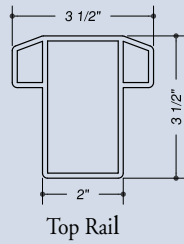
Builder Select Railing combines commercial grade strength with beauty and elegance, creating a railing system that is practically maintenance free. The Builder Select Railing system has a Limited Lifetime warranty and is manufactured from stylish and strong impact resistant PVC.

Builder Select Railing has been engineered to accommodate normal temperature swings and changing climate conditions. It is manufactured from high quality rigid PVC with impact modifiers and high levels of Titanium Dioxide which prevent ultraviolet degradation. As with most plastics, vinyl will become less flexible in colder weather conditions; however, unless

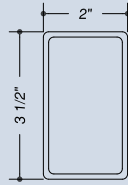
subjected to unusual impact, it will not break. Builder Select Railing is categorized as Self-Extinguishing, meaning it has a high flash point, 716 degrees F, so it does not readily ignite and does not sustain combustion once the source of ignition is removed.

Meeting or exceeding all International Building Codes and all International Residential Codes allows Builder Select Railing to be used in commercial and residential construction. Installs in 6 easy steps saving time and money. Compared to the cracking, chipping, splintering, and constant painting of wood or the denting and rusting of aluminum and steel, nothing holds up better than Builder Select Rail.

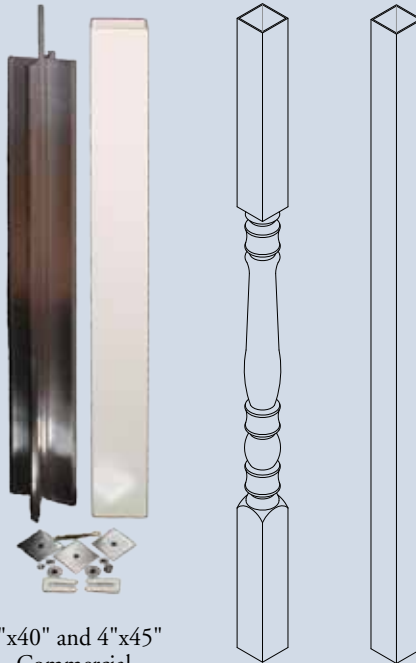
COMMERCIAL



Top Rail



Bottom Rail

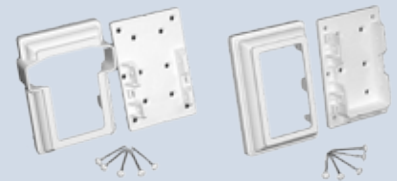


4" x 40" and 4" x 45"
Commercial
Code Approved
Newel Post

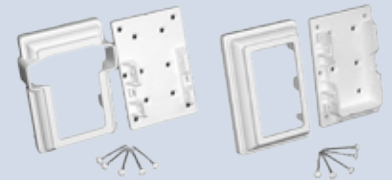
1 1/2" Turned
32" and 38"

1 1/2" Square
32" and 38"

RESIDENTIAL



Newel Post Bracket Set



Column Bracket Set



Ball Cap



New England
Skirt



Gothic Cap



New England
Cap

Full length Aluminum Insert

Gives great strength and support to tie the rail system to the structure.

Hardware

Complete with epoxy for concrete mount or fasteners for wood mount.

CODE APPROVED NEWEL POSTS

The HB&G Builder Select Railing system offers two newel posts. The first, seen above, is a commercial grade newel post that meets all commercial and residential building codes. The second is a residential grade newel post that meets all residential building codes. Both newel posts are designed to integrate with the Builder Select Railing system giving a beautiful look that is secure and backed by commercial and residential building code approvals.

RAILING KITS		
Rail Height	1-1/2" Square Baluster	1-1/2" Turned Baluster
36"	6',8',10' Kits	6',8',10' Kits
36" Slope*	6',8' Kits	6',8' Kits
42"	6',8',10' Kits	6',8',10' Kits
42" Slope*	6',8' Kits	6',8' Kits
*Will Accommodate a 30-35 Degree Slope		
ADA Grab Rail Sections Available		



Balustrade Systems

- Low Maintenance
- Easy Installation
- Primed White (ready to install and paint)
- 25 Year Warranty



12" Round PermaCast® Columns with Tuscan Cap and Base and 7" Balustrade System

HB&G has created a unique and elegant balustrade system that can make your home stand out from the rest. These low-maintenance features are made by molding high-density urethane around structural elements in order to provide exceptional beauty,

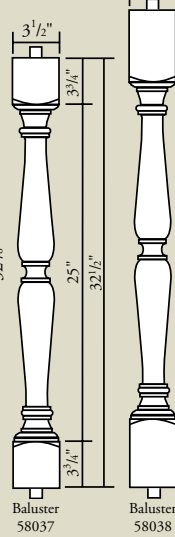
durability, and quality. Choose from three rail sizes and several baluster profiles. Curved balustrade systems are available in 10' sections. For more information about this exceptional addition to your porch, call 800-264-4HBG.

6" Balustrade System

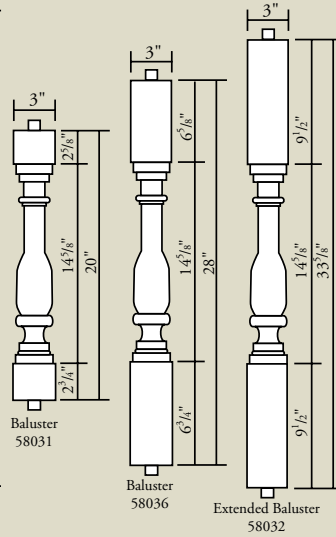
SQUARE



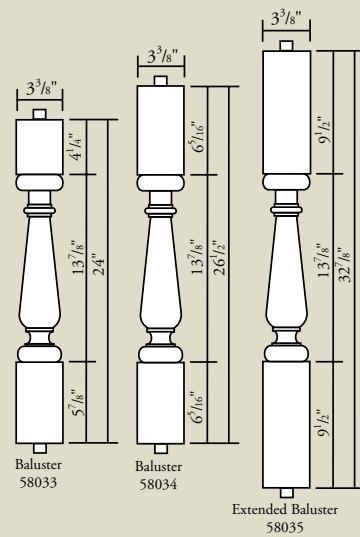
SAFFRON



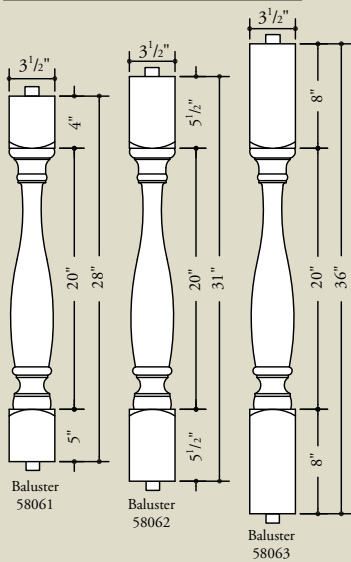
SHANNON



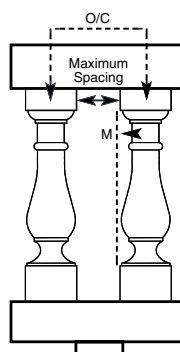
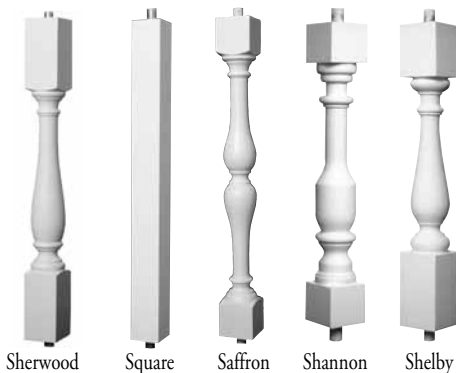
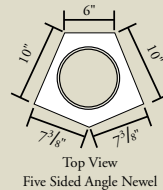
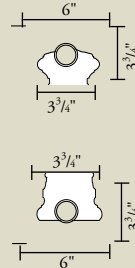
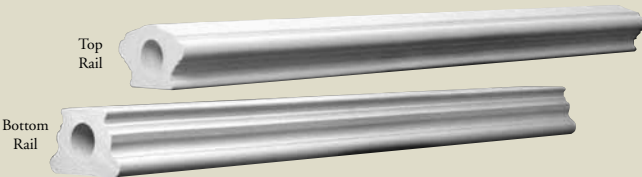
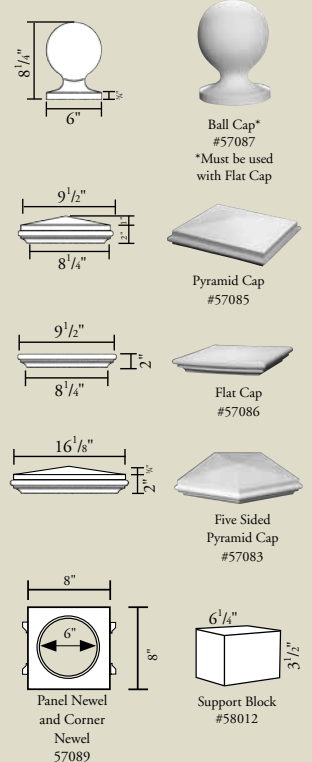
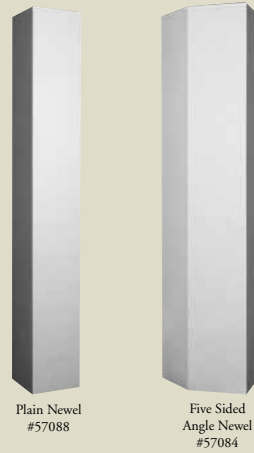
SHELBY



SHERWOOD



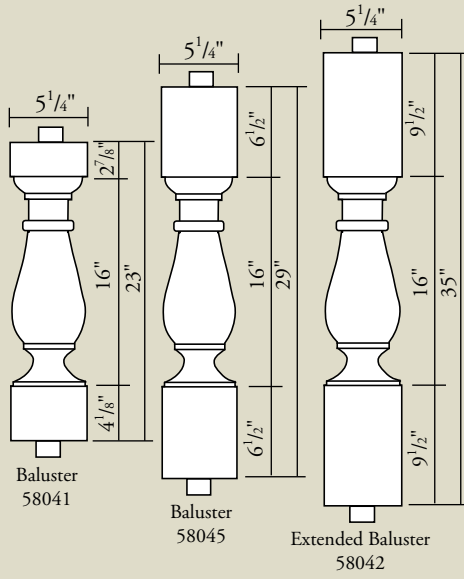
Poly molding provided loose to be installed on job site. See page 10 for panel molding styles.



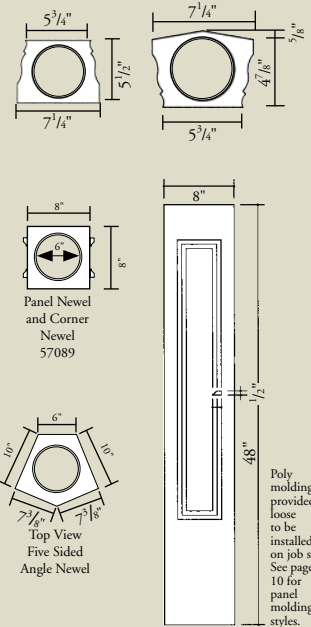
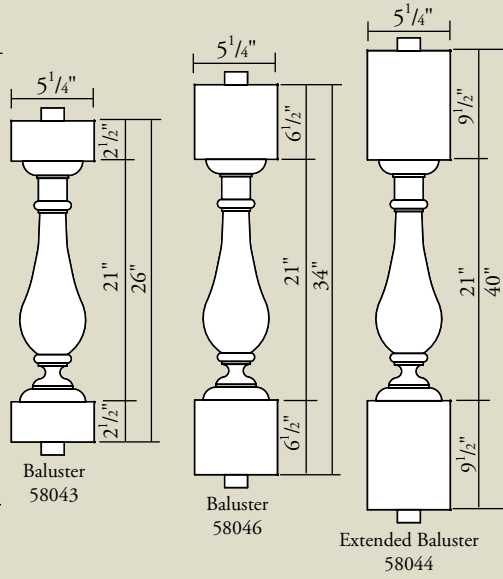
	6" Maximum Spacing		
	M	Maximum Spacing	O/C
58031	7/8"	2 1/4"	5 1/4"
58032	7/8"	2 1/4"	5 1/4"
58036	7/8"	2 1/4"	5 1/4"
58033	1"	2"	5 1/2"
58034	1"	2"	5 1/2"
58035	1"	2"	5 1/2"
58037	1"	2"	5 1/2"
58038	1"	2"	5 1/2"
58029	0"	4"	7"
58030	0"	4"	7"
58061	1 1/16"	1 3/4"	5 1/4"
58062	1 1/16"	1 3/4"	5 1/4"
58063	1 1/16"	1 3/4"	5 1/4"

7" Balustrade System

CALVERT

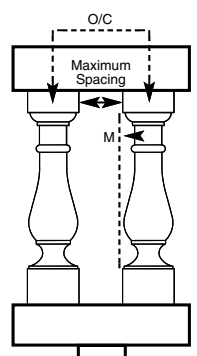
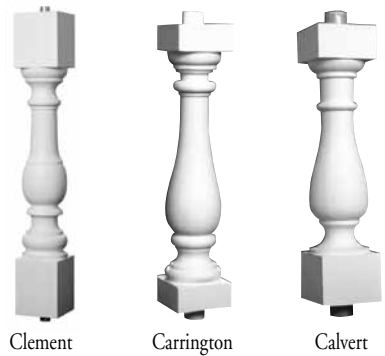
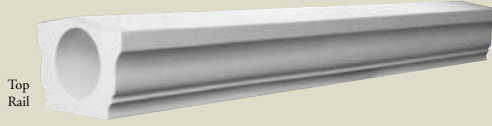
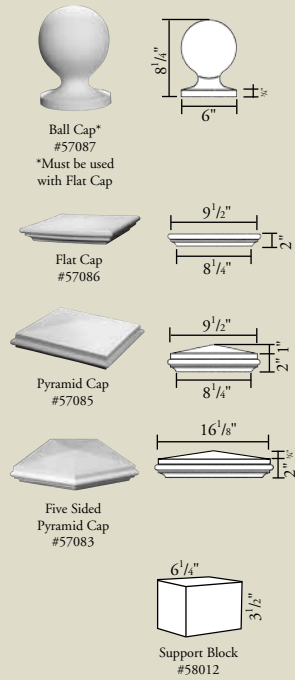
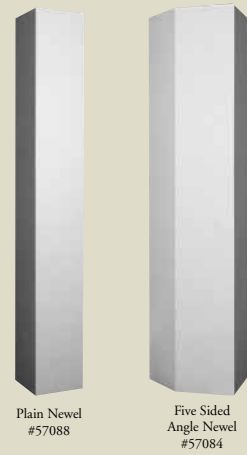
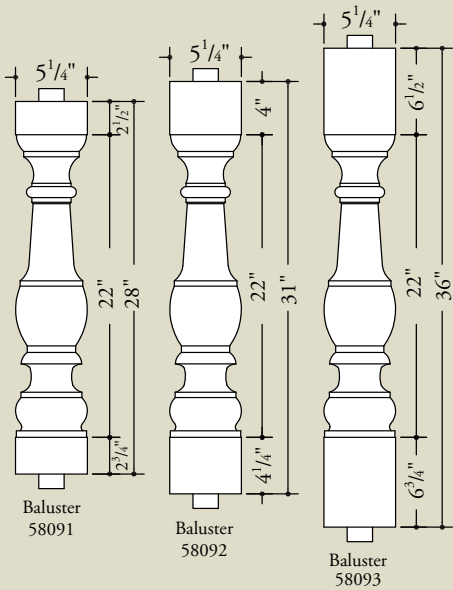


CARRINGTON



Poly molding provided loose to be installed on job site. See page 10 for panel molding styles.

CLEMENT



	7"		
	M	Maximum Spacing	O/C
58041	1-3/8"	1-1/4"	6-1/2"
58042	1-3/8"	1-1/4"	6-1/2"
58045	1-3/8"	1-1/4"	6-1/2"
58043	1-3/8"	1-1/4"	6-1/2"
58044	1-3/8"	1-1/4"	6-1/2"
58046	1-3/8"	1-1/4"	6-1/2"
58091	1-5/16"	1-3/8"	6-5/8"
58092	1-5/16"	1-3/8"	6-5/8"
58093	1-5/16"	1-3/8"	6-5/8"

12" Balustrade System

MANDEVILLE

MANASSES

Top Rail

Bottom Rail

Panel Newel and Corner Newel #57095

Plain Newel #57094

Pyramid Cap #57091

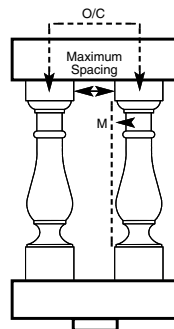
Support Block #58014

Flat Cap #57092

Classic Cap #57097

Ball Cap
7" 63058
10" 57096
12" 57093
*Must be used with Flat Cap

Poly molding provided loose to be installed on job site. See page 10 for panel molding styles.

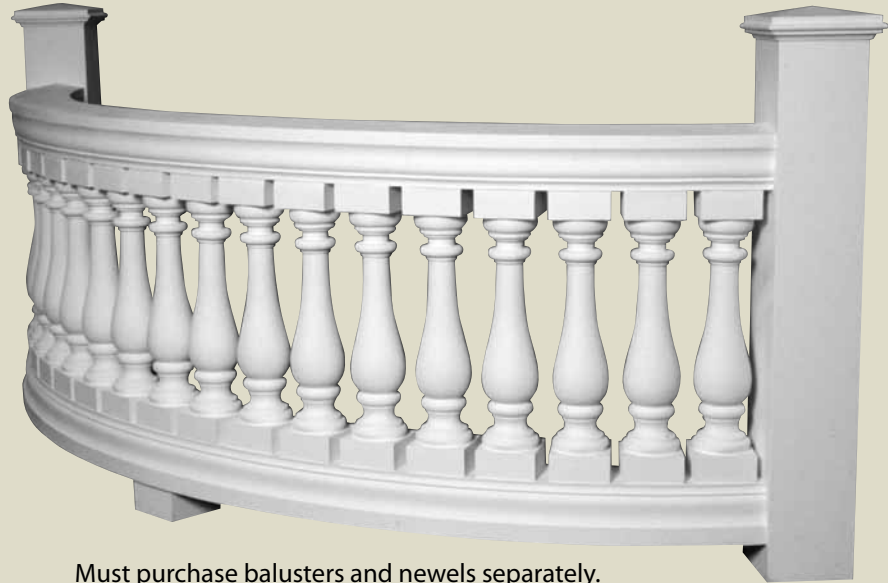


12"			
	M	Maximum Spacing	O/C
58051	1-3/4"	1/2"	7-1/2"
58052	1-3/4"	1/2"	7-1/2"
58053	1-3/4"	1/2"	7-1/2"
58054	2-3/4"	0"	7-1/2"
58055	2-3/4"	0"	7-1/2"
58056	1-3/4"	0"	7-1/2"

Curved Balustrade System

- 6", 7" and 12" Rail Styles
- Low Maintenance
- Primed White (ready to install and paint)
- Easy Installation
- 25 Year Warranty
- Available in 60"-108" radius
- Modified Radius Available in 6" and 7" systems only

HB&G Curved Balustrade System will add an elegant finishing touch to any house. Each top and bottom rail style is available in radius from 60" to 108" in 10' lengths. (See pages 39-41 for rail styles)



Must purchase balusters and newels separately.

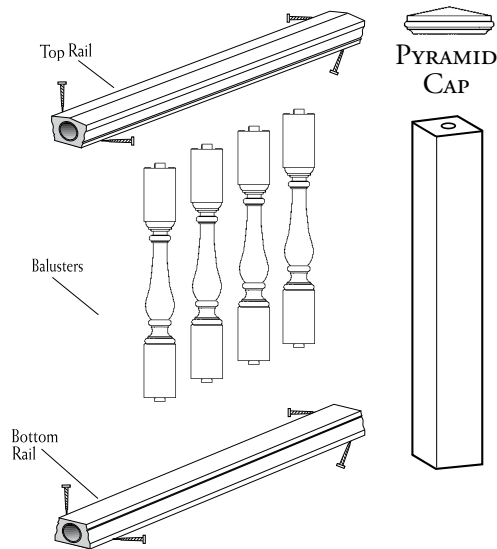
Building Codes

HB&G recommends checking all local, state, and national building codes before the design and installation of your balustrade system.

HB&G is not responsible or liable for any balustrade system that does not meet the requirements of the governing building code in the location where the system is installed.

The space between the bottom rail and the substrate should not be more than 2".

TYPICAL ASSEMBLY



Complete installation instructions are available on our web site or contact us via telephone or email.

NOTE: Rails are not pre-drilled.

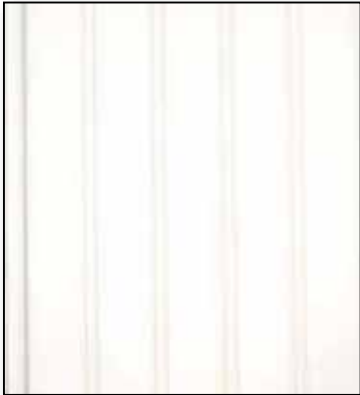
Warranty

HB&G warrants that for 25 years the components in its Balustrade Systems are free from defects in material and workmanship. Assuming proper installation, HB&G will repair or replace any component which has failed as a result of defective materials or workmanship. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.

PermaPorch Ceiling

- Pre-finished white or sky blue
- Hidden Fastening (Blind Nail)
- Can be Installed on 24" Centers
- Can be easily painted

- 1 pc. (7⁷/₈" x 12') = 7.9 sq. ft. of Coverage
- 1 pc. (7⁷/₈" x 16') = 10.5 sq. ft. of Coverage

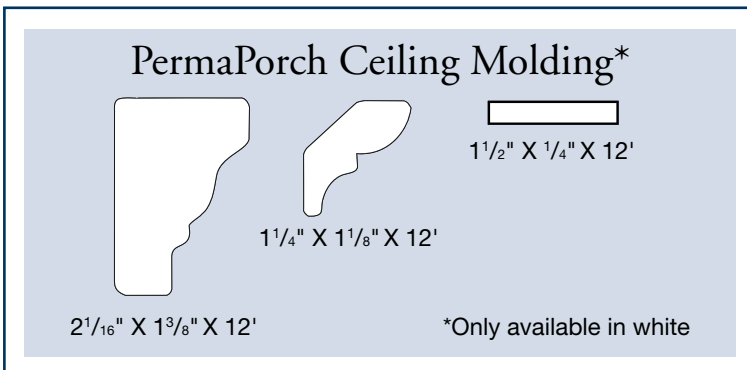


White



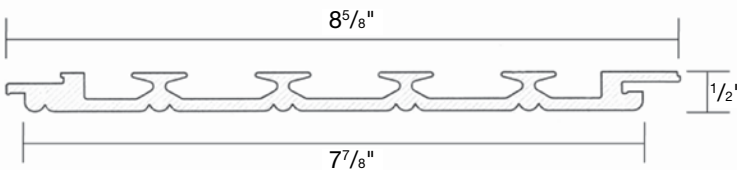
Sky Blue

Pre-finished to match the PermaPorch Railing, the PermaPorch Ceiling is another low maintenance product in the HB&G PermaPorch package. It can be used as a beaded ceiling, or as an accent to any room as a dramatic wainscoting. With the PermaPorch Ceiling, you and your family will enjoy a seamless and stylish porch ceiling fo years to come. Once it's installed, it offers lasting beauty so you can sit back, relax, and enjoy the good life.



Pre-Finished

The PermaPorch Ceiling comes pre-finished white or sky blue, ready to install in 12 ft. and 16 ft. lengths. It can also be painted to match the look and feel of your home. Then, to finish it off, choose from a variety of ceiling moldings available.



Warranty

HB&G warrants that for 25 years the PermaPorch Ceiling is free from defects in material and workmanship. The factory applied top coat (paint) is warranted for 10 years. Assuming proper installation, HB&G will repair or replace any PermaPorch Ceiling which has failed as a result of defective materials or workmanship. In the event of a claim against this warranty, proof of purchase, with date will be required to affect such a claim. Installation cost not included. HB&G gives no other warranty expressed or implied.



TURNKEY MILLWORK
PERGOLA
SYSTEMS

- 25 Year Warranty
- High Quality Cellular PVC and Hollow PVC
- Manufactured in-house by Turnkey Millwork
- Includes Complete Installation Kit
- Standard Pergola – Rafters 24" on Center
- Premium Pergola – Rafters 12" on Center
- Two Stock Styles – 8' and 10' – Standard and Premium
- Special Order Pergolas in Custom Sizes Also Available
- Includes 4 – 10" Round PermaCast® Columns with cap and base sets



Pergolas, arbors and trellises add distinction to any outdoor environment. Made with high quality cellular PVC and PermaCast columns, HB&G now offers high quality pergolas, arbors and trellises. Standard and premium pergolas are available in two sizes 8' and 10' with (4) 10"x8'

round PermaCast column and a complete installation kit. Custom pergolas, arbors and trellises are also available. Our customer service representatives are ready to help you create a custom trellis, custom arbor or custom pergola that will add distinction and value to any home.



Custom Arbor



Custom Trellis

CUSTOM PERGOLAS, ARBORS AND TRELLISES

HB&G also offers custom Pergolas, Arbors and Trellises, manufactured by our synthetic millwork craftsmen at Turnkey Millwork! If you need a custom height, custom length or a custom design, HB&G is ready to help you create an outdoor feature that fits your home and lifestyle. Contact our customer service department to find out more or visit www.turnkeymillwork.com.



Medallions

Add character to any room with HB&G's ceiling medallions. With so many styles and sizes to choose from, you can be sure to find the products that have

the look and feel your room needs. These historically accurate accents are lightweight, durable, easy to install and maintenance free.



ASHTON
NO. 79170, D 17 1/2"



QUEEN ANNE
NO. 79477, D 21"



CABOT
NO. 79450, D 44 3/4"



CHERUB
NO. 79469, D 22 3/16"



CHARLOTTE
NO. 79478, D 24"



EGG AND DART
NO. 79487, D 30 5/8"
NO. 79486, D 24"
NO. 79485, D 18 1/2"



BRISTOL
NO. 79472, D 29 3/4"
NO. 79471, D 23 3/8"
NO. 79470, D 16 1/8"



ANSLEY
NO. 79483, D 29 1/2"
NO. 79482, D 23 3/8"
NO. 79481, D 16"



BELLE MEADE
NO. 79120, D 12 1/4"



MONTGOMERY
NO. 79090, D 9 3/4"



CORNWALL
NO. 79140, D 14 3/4"



NORWICH
NO. 79455, D 31 3/8"



STRASBOURG
NO. 79475, D 27"
(2 3/8" Recessed Depth)



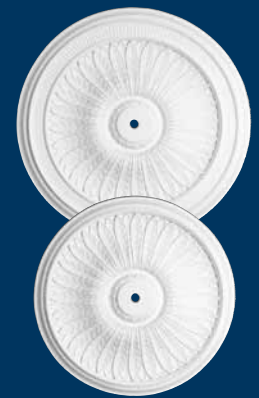
FLORENTINE
NO. 79465, D 28 1/2"



VENETIAN
NO. 79300, D 31"
NO. 79310, D 21 1/4"



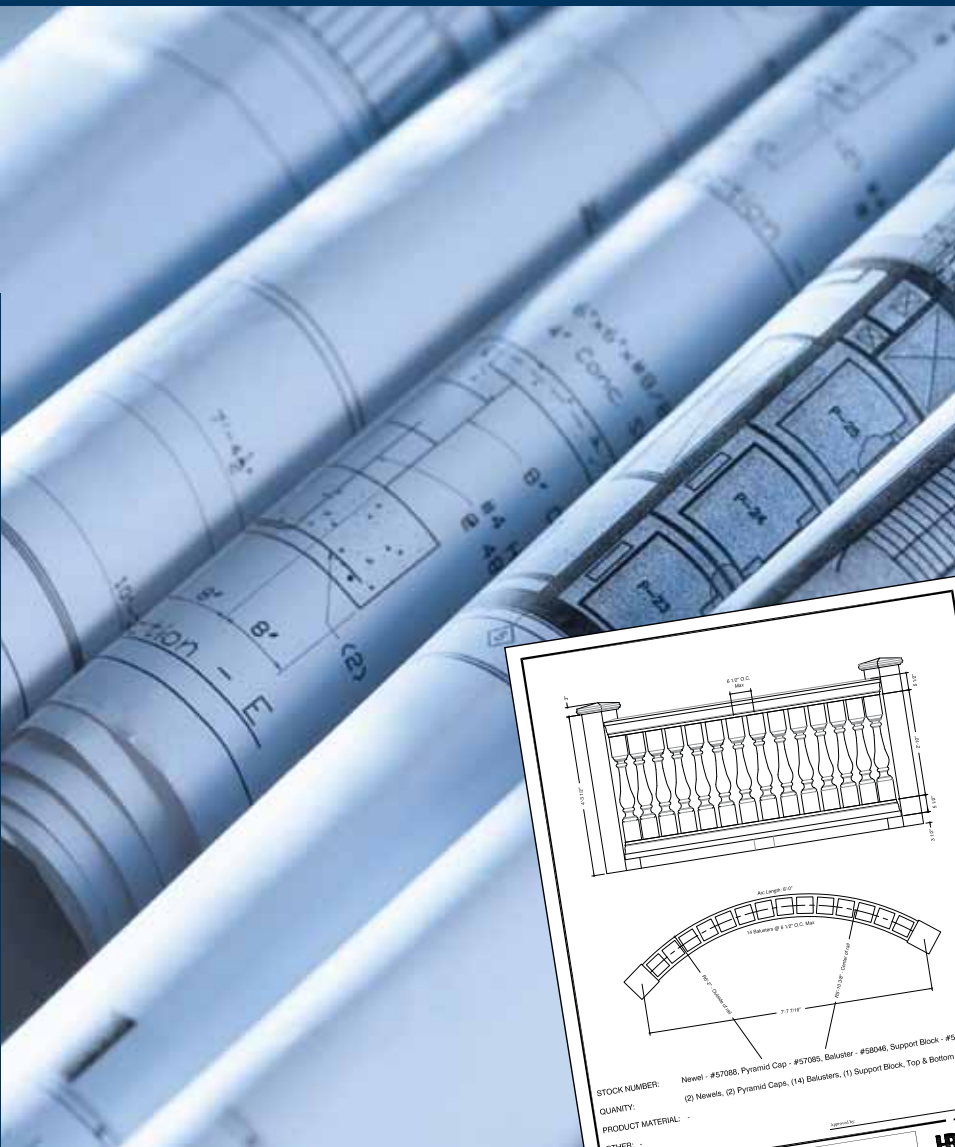
BILTMORE
NO. 79479, D 25 3/4"
NO. 79480, D 16 1/16"



MONTICELLO
NO. 79280, D 27 7/8"
NO. 79282, D 23 3/4"



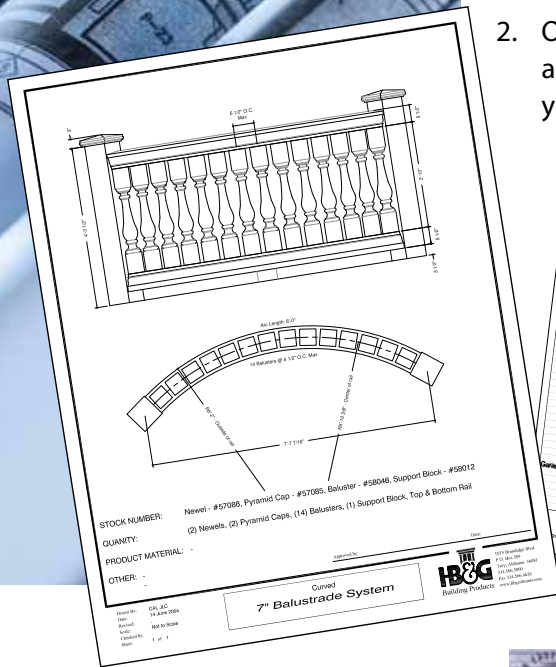
LADY SARA
NO. 79461, D 23 3/8"
NO. 79460, D 18"



Drop Off For Take Off!

HB&G's new program to help you with your take offs!

1. Send your plans using one of these two methods:
 - Email your plans to hbgtakeoffs@hbgcompanies.com
 - Mail your plans to
1015 Brundige Blvd.
Troy, AL 36081
Attn: Architectural Dept.
2. Once we have your plans we will provide a detail products list and drawings for your project. What could be easier?



Item	Lin	Qty	Unit	Price	Quantity	Unit Cost	Material
Pool - (A1.5)							
12\"/>							

HB&G Continuing Education Course

HB&G is now offering a one hour continuing education course. This course can be given as a "lunch and learn" or taken online at www.hbgcolumns.com, click on the architectural corner link. For more information contact our architectural department at 1-800-264-4HBG. This course is AIA and AIBD certified.

Course Objectives

- Take an overall look at columns and the materials they are made from.
- Explore the manufacturing process of these materials.
- Study the installation process of the different column options.
- Evaluate the materials based on their uses.

Today's Column Materials

- Wood
- Aluminum
- Fiberglass
- FRP
- Cast

HB&G presents
AIA/IBSW Continuing Education Program
Credit for this course is 1 AIA/IBSW Learning Unit.
Column Options for the 21st Century
Course Number: HB0048
Course Title: Column Options for the 21st Century



HB&G products can be purchased from:



www.fsc.org

MIX

Paper from responsible sources

FSC® C103525



1015 Brundage Blvd.

Troy, AL 36081

www.hbgcolumns.com

1-800-264-4HBG