

# HISTORIC AND DESIGN REVIEW COMMISSION

November 18, 2020

**HDRC CASE NO:** 2020-447  
**ADDRESS:** 131 ADAMS ST  
**LEGAL DESCRIPTION:** NCB 931 BLK 1 LOT 15  
**ZONING:** RM-4, H  
**CITY COUNCIL DIST.:** 1  
**DISTRICT:** King William Historic District  
**APPLICANT:** Felix Ziga/Ziga Architecture Studio PLLC  
**OWNER:** BEAVER MEADOWS II LLC  
**TYPE OF WORK:** Construction of a new rear accessory structure  
**APPLICATION RECEIVED:** October 02, 2020  
**60-DAY REVIEW:** Not Applicable Due to City Council Emergency Orders  
**CASE MANAGER:** Rachel Rettaliata

## REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to construct a new detached 4-car carport at the rear of the property.

## APPLICABLE CITATIONS:

*Historic Design Guidelines, Chapter 4, Guidelines for New Construction*

### 1. Building and Entrance Orientation

#### A. FAÇADE ORIENTATION

i. *Setbacks*—Align front facades of new buildings with front facades of adjacent buildings where a consistent setback has been established along the street frontage. Use the median setback of buildings along the street frontage where a variety of setbacks exist. Refer to UDC Article 3, Division 2. Base Zoning Districts for applicable setback requirements.

ii. *Orientation*—Orient the front façade of new buildings to be consistent with the predominant orientation of historic buildings along the street frontage.

#### B. ENTRANCES

i. *Orientation*—Orient primary building entrances, porches, and landings to be consistent with those historically found along the street frontage. Typically, historic building entrances are oriented towards the primary street.

### 2. Building Massing and Form

#### A. SCALE AND MASS

i. *Similar height and scale*—Design new construction so that its height and overall scale are consistent with nearby historic buildings. In residential districts, the height and scale of new construction should not exceed that of the majority of historic buildings by more than one-story. In commercial districts, building height shall conform to the established pattern. If there is no more than a 50% variation in the scale of buildings on the adjacent block faces, then the height of the new building shall not exceed the tallest building on the adjacent block face by more than 10%.

ii. *Transitions*—Utilize step-downs in building height, wall-plane offsets, and other variations in building massing to provide a visual transition when the height of new construction exceeds that of adjacent historic buildings by more than one-half story.

iii. *Foundation and floor heights*—Align foundation and floor-to-floor heights (including porches and balconies) within one foot of floor-to-floor heights on adjacent historic structures.

#### B. ROOF FORM

i. *Similar roof forms*—Incorporate roof forms—pitch, overhangs, and orientation—that are consistent with those predominantly found on the block. Roof forms on residential building types are typically sloped, while roof forms on non-residential building types are more typically flat and screened by an ornamental parapet wall.

#### C. RELATIONSHIP OF SOLIDS TO VOIDS

i. *Window and door openings*—Incorporate window and door openings with a similar proportion of wall to window space as typical with nearby historic facades. Windows, doors, porches, entryways, dormers, bays, and pediments shall

be considered similar if they are no larger than 25% in size and vary no more than 10% in height to width ratio from adjacent historic facades.

ii. *Façade configuration*—The primary façade of new commercial buildings should be in keeping with established patterns. Maintaining horizontal elements within adjacent cap, middle, and base precedents will establish a consistent street wall through the alignment of horizontal parts. Avoid blank walls, particularly on elevations visible from the street. No new façade should exceed 40 linear feet without being penetrated by windows, entryways, or other defined bays.

#### D. LOT COVERAGE

i. *Building to lot ratio*—New construction should be consistent with adjacent historic buildings in terms of the building to lot ratio. Limit the building footprint for new construction to no more than 50 percent of the total lot area, unless adjacent historic buildings establish a precedent with a greater building to lot ratio.

### 3. Materials and Textures

#### A. NEW MATERIALS

i. *Complementary materials*—Use materials that complement the type, color, and texture of materials traditionally found in the district. Materials should not be so dissimilar as to distract from the historic interpretation of the district. For example, corrugated metal siding would not be appropriate for a new structure in a district comprised of homes with wood siding.

ii. *Alternative use of traditional materials*—Consider using traditional materials, such as wood siding, in a new way to provide visual interest in new construction while still ensuring compatibility.

iii. *Roof materials*—Select roof materials that are similar in terms of form, color, and texture to traditionally used in the district.

iv. *Metal roofs*—Construct new metal roofs in a similar fashion as historic metal roofs. Refer to the Guidelines for Alterations and Maintenance section for additional specifications regarding metal roofs.

v. *Imitation or synthetic materials*—Do not use vinyl siding, plastic, or corrugated metal sheeting. Contemporary materials not traditionally used in the district, such as brick or simulated stone veneer and Hardie Board or other fiberboard siding, may be appropriate for new construction in some locations as long as new materials are visually similar to the traditional material in dimension, finish, and texture. EIFS is not recommended as a substitute for actual stucco.

#### B. REUSE OF HISTORIC MATERIALS

*Salvaged materials*—Incorporate salvaged historic materials where possible within the context of the overall design of the new structure.

### 4. Architectural Details

#### A. GENERAL

i. *Historic context*—Design new buildings to reflect their time while respecting the historic context. While new construction should not attempt to mirror or replicate historic features, new structures should not be so dissimilar as to distract from or diminish the historic interpretation of the district.

ii. *Architectural details*—Incorporate architectural details that are in keeping with the predominant architectural style along the block face or within the district when one exists. Details should be simple in design and should complement, but not visually compete with, the character of the adjacent historic structures or other historic structures within the district. Architectural details that are more ornate or elaborate than those found within the district are inappropriate.

iii. *Contemporary interpretations*—Consider integrating contemporary interpretations of traditional designs and details for new construction. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the structure is new. Modern materials should be implemented in a way that does not distract from the historic structure.

### 5. Garages and Outbuildings

#### A. DESIGN AND CHARACTER

i. *Massing and form*—Design new garages and outbuildings to be visually subordinate to the principal historic structure in terms of their height, massing, and form.

ii. *Building size*—New outbuildings should be no larger in plan than 40 percent of the principal historic structure footprint.

iii. *Character*—Relate new garages and outbuildings to the period of construction of the principal building on the lot through the use of complementary materials and simplified architectural details.

- iv. *Windows and doors*—Design window and door openings to be similar to those found on historic garages or outbuildings in the district or on the principle historic structure in terms of their spacing and proportions.
- v. *Garage doors*—Incorporate garage doors with similar proportions and materials as those traditionally found in the district.

#### B. SETBACKS AND ORIENTATION

- i. *Orientation*—Match the predominant garage orientation found along the block. Do not introduce front-loaded garages or garages attached to the primary structure on blocks where rear or alley-loaded garages were historically used.
- ii. *Setbacks*—Follow historic setback pattern of similar structures along the streetscape or district for new garages and outbuildings. Historic garages and outbuildings are most typically located at the rear of the lot, behind the principal building. In some instances, historic setbacks are not consistent with UDC requirements and a variance may be required.

### *Historic Design Guidelines, Chapter 5, Guidelines for Site Elements*

## 5. Sidewalks, Walkways, Driveways, and Curbing

### A. SIDEWALKS AND WALKWAYS

- i. *Maintenance*—Repair minor cracking, settling, or jamming along sidewalks to prevent uneven surfaces. Retain and repair historic sidewalk and walkway paving materials—often brick or concrete—in place.
- ii. *Replacement materials*—Replace those portions of sidewalks or walkways that are deteriorated beyond repair. Every effort should be made to match existing sidewalk color and material.
- iii. *Width and alignment*—Follow the historic alignment, configuration, and width of sidewalks and walkways. Alter the historic width or alignment only where absolutely necessary to accommodate the preservation of a significant tree.
- iv. *Stamped concrete*—Preserve stamped street names, business insignias, or other historic elements of sidewalks and walkways when replacement is necessary.
- v. *ADA compliance*—Limit removal of historic sidewalk materials to the immediate intersection when ramps are added to address ADA requirements.

### B. DRIVEWAYS

- i. *Driveway configuration*—Retain and repair in place historic driveway configurations, such as ribbon drives. Incorporate a similar driveway configuration—materials, width, and design—to that historically found on the site. Historic driveways are typically no wider than 10 feet. Pervious paving surfaces may be considered where replacement is necessary to increase stormwater infiltration.
- ii. *Curb cuts and ramps*—Maintain the width and configuration of original curb cuts when replacing historic driveways. Avoid introducing new curb cuts where not historically found.

### C. CURBING

- i. *Historic curbing*—Retain historic curbing wherever possible. Historic curbing in San Antonio is typically constructed of concrete with a curved or angular profile.
- ii. *Replacement curbing*—Replace curbing in-kind when deteriorated beyond repair. Where in-kind replacement is not be feasible, use a comparable substitute that duplicates the color, texture, durability, and profile of the original. Retaining walls and curbing should not be added to the sidewalk design unless absolutely necessary.

## 7. Off-Street Parking

### A. LOCATION

- i. *Preferred location*—Place parking areas for non-residential and mixed-use structures at the rear of the site, behind primary structures to hide them from the public right-of-way. On corner lots, place parking areas behind the primary structure and set them back as far as possible from the side streets. Parking areas to the side of the primary structure are acceptable when location behind the structure is not feasible. See UDC Section 35-310 for district-specific standards.
- ii. *Front*—Do not add off-street parking areas within the front yard setback as to not disrupt the continuity of the streetscape.
- iii. *Access*—Design off-street parking areas to be accessed from alleys or secondary streets rather than from principal streets whenever possible.

### B. DESIGN

- i. *Screening*—Screen off-street parking areas with a landscape buffer, wall, or ornamental fence two to four feet high—or a combination of these methods. Landscape buffers are preferred due to their ability to absorb carbon dioxide. See UDC Section 35-510 for buffer requirements.
- ii. *Materials*—Use permeable parking surfaces when possible to reduce run-off and flooding. See UDC Section 35-526(j) for specific standards.

iii. *Parking structures*—Design new parking structures to be similar in scale, materials, and rhythm of the surrounding historic district when new parking structures are necessary.

## **FINDINGS:**

- a. The primary structure located at 131 Adams is a 2-story residential structure constructed circa 1890 in the American Foursquare style. The property first appears on the Sanborn Map in 1896. The home features a hip standing seam metal roof, a symmetrical façade with a central porch entry, and one-over-one wood windows. The property is contributing to the King William Historic District.
- b. **DEMOLITION OF NONCONTRIBUTING REAR ACCESSORY STRUCTURE** – The applicant has requested approval for the demolition of a noncontributing rear accessory structure only. The structure is a 1-story, 3-bay carport constructed after 1950. An original rear accessory structure appears on the 1896 Sanborn Map. The original rear accessory structure was 1-story and had a smaller footprint than the existing rear accessory structure. The original rear accessory structure was located at the northwest corner of the property and featured a composition shingle roof. The same rear accessory structure appears on the 1924 Sanborn Map and the existing rear accessory structure first appears on the 1951 Sanborn Map. The existing rear accessory structure is constructed of dimensional lumber, corrugated metal, and non-historic materials. Staff finds that the structure is not original to the property and has significantly deteriorated. Staff does not find the structure contributing to the district. The demolition of the rear accessory structure is eligible for administrative approval and does not require review by the HDRC.
- c. **CARPORT: LOCATION** – The applicant has proposed to construct a replacement 4-car carport in the same location as the existing rear accessory structure. The proposed replacement carport will total 792 square feet and will be open on three sides. Guideline 9.B.ii. for Exterior Maintenance and Alterations states that historic outbuildings should be replaced only if they are deteriorated beyond repair. When in-kind replacement is not possible, ensure that they are reconstructed in the same location using similar scale, proportion, color, and materials to the original historic structure. Staff finds the proposal to replace the non-historic existing rear carport with a new carport in the same location and footprint consistent with the Guidelines.
- d. **CARPORT: MATERIALS** – The applicant has proposed to construct the new 4-car carport. The replacement carport will be a wood frame structure constructed on a new concrete slab foundation and will feature a standing seam metal shed roof in a galvalume finish with beadboard siding, trim, and ceilings to match the front porch of the main structure, supported by PermaCast fiberglass composite columns brush painted to look like wood. Guideline 5.A.iii. for New Construction states that new outbuildings should relate to the period of construction of the principal building on the lot through the use of complementary materials and simplified architectural details. Guideline 3.A.v. for New Construction states that vinyl siding, plastic, or corrugated metal sheeting should not be used. Contemporary materials not traditionally used in the district may be appropriate for new construction in some locations as long as new materials are visually similar to the traditional material in dimension, finish, and texture. Staff finds the proposal consistent with the Guidelines.

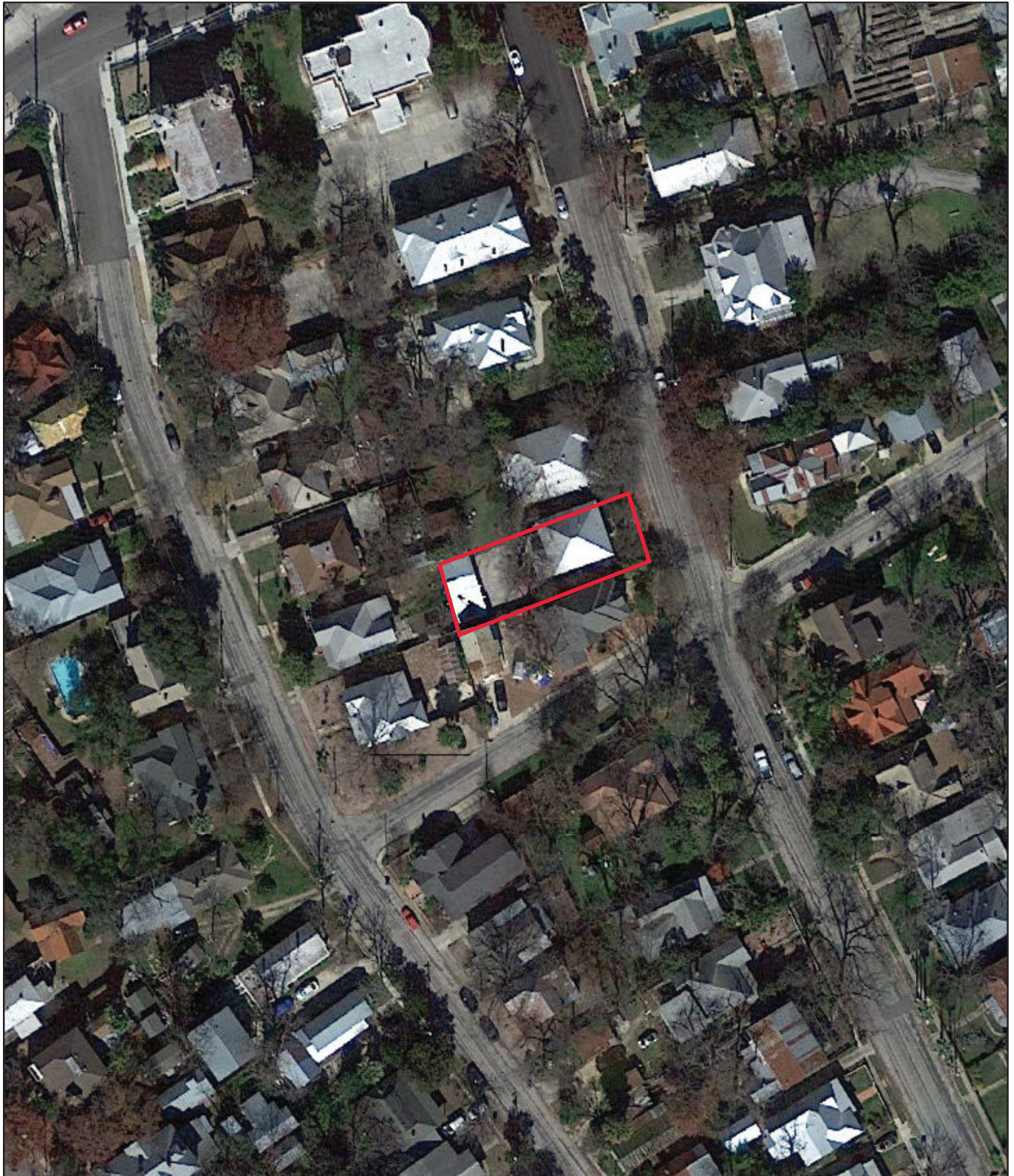
## **RECOMMENDATION:**

Staff recommends approval based on findings a through d with the following stipulations:

- i. That the applicant installs a standing seam metal roof featuring panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and a standard galvalume finish. Panels should be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration.

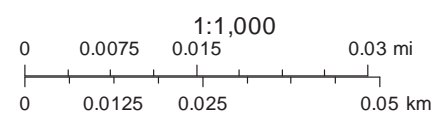


# City of San Antonio One Stop



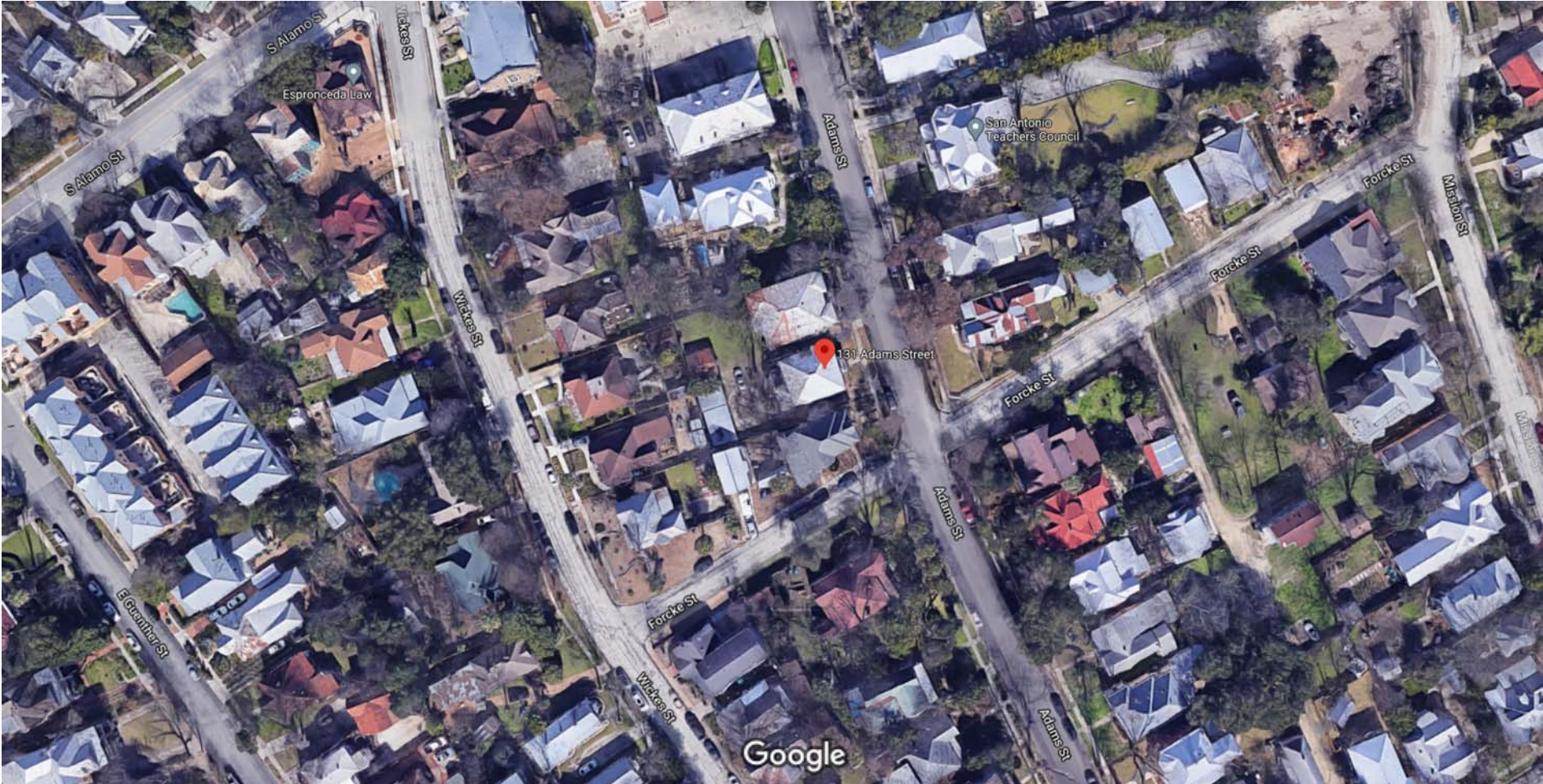
November 8, 2020

— User drawn lines





Google Maps 131 Adams St



Imagery ©2020 Google, Imagery ©2020 CNES / Airbus, Maxar Technologies, Map data ©2020 50 ft



Google Maps 131 Adams St



Imagery ©2020 Google, Map data ©2020 , Map data ©2020 20 ft



Google Maps 131 Adams St



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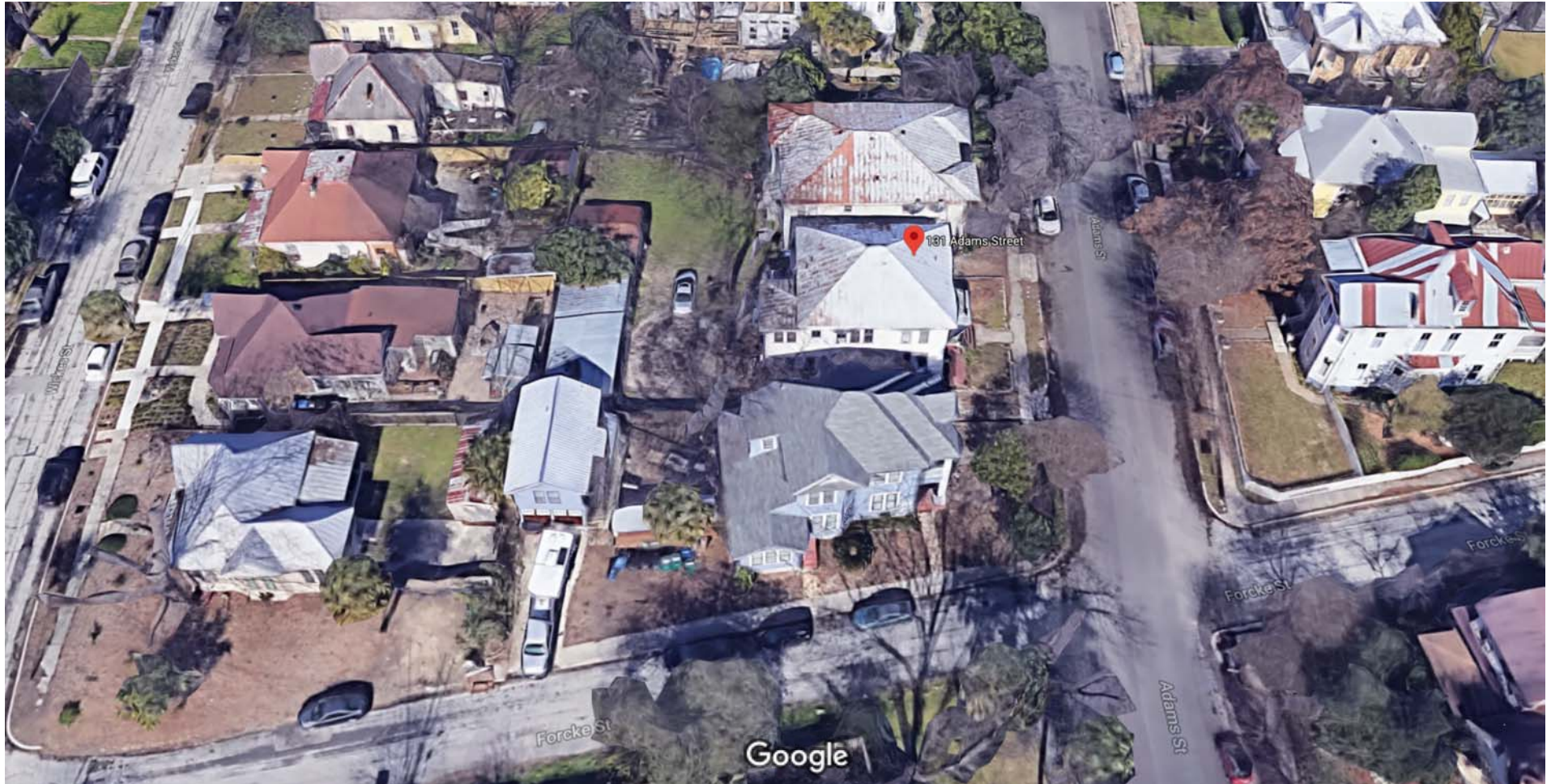
Google Maps 131 Adams St



Imagery ©2020 Google, Map data ©2020 , Map data ©2020 20 ft



Google Maps 131 Adams St



Imagery ©2020 Google, Map data ©2020 , Map data ©2020 20 ft

SAN ANTONIO, TEX. 358

1912

352

351

S. ALAMO

PEREIDA

WICKES

FORCKE

MISSION

357

ADAMS

STIEREN

359

Scale of Feet.



1951

358

TEX. 040

352

351

S. ALAMO  
MACDONALDIZED

PEREIDA

WICKES

ADAMS

FORCKE

MISSION

357

STIEREN

359

Scale of Feet.

0 50 100 150

361







A diagram of a circle with a vertical line and two diagonal lines meeting at the top, labeled "north" below.



The survey is hereby accepted  
discrepancies, conflicts, or sho  
boundary lines, encroachments,  
overlapping of Improvements s

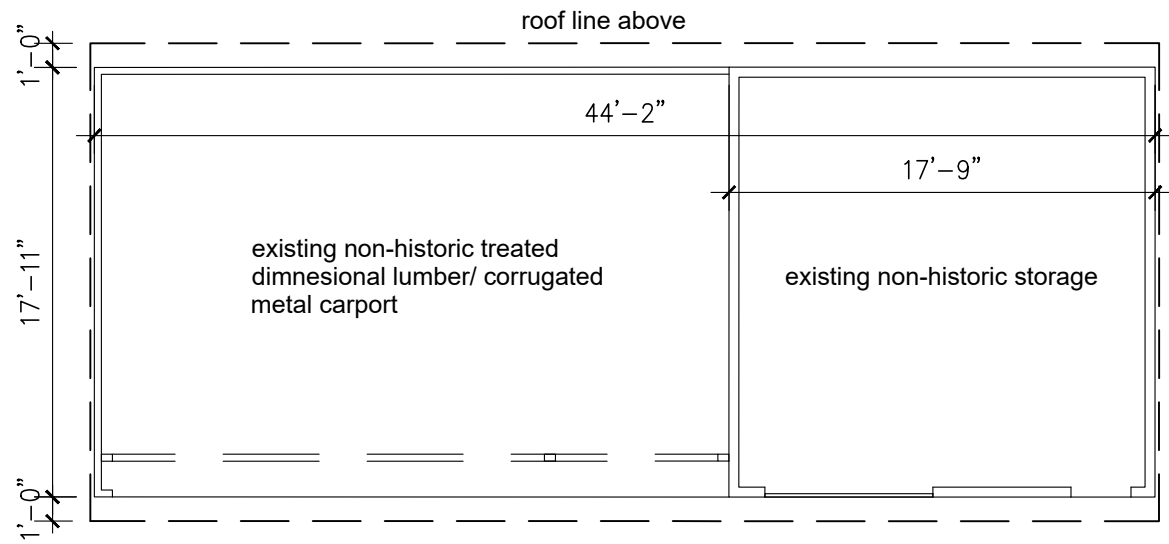
At date of this survey, the property is in FEMA designated  
ZONE X as verified by FEMA map Panel No: \_\_\_\_\_

drawing for review only, not for construction, permitting, or regulatory approval

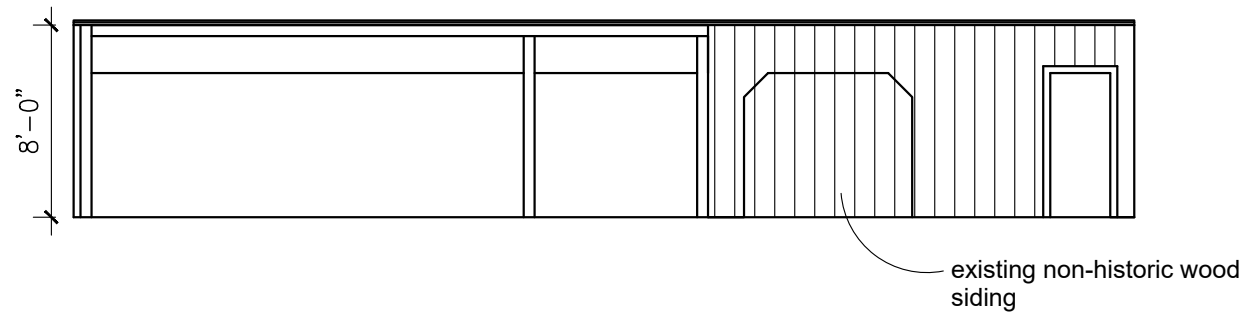


ZIGA ARCHITECTURE STUDIO  
Architecture | Interiors | Historic Preservation

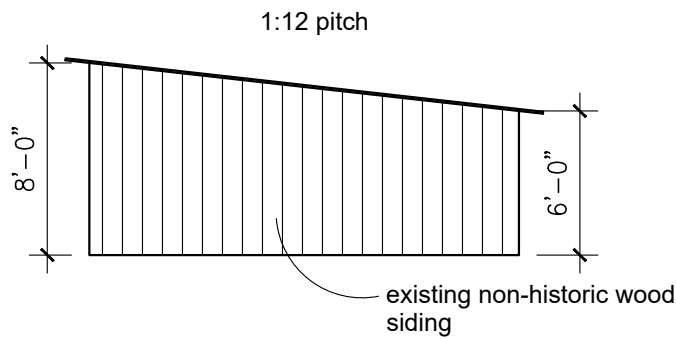
Buffalo Contracting  
New Carport for a 4-plex in King William Historic District  
131 Adams St., San Antonio, TX 78210  
Existing Floor Plan & Elevations  
1/8" = 1'-0"  
09-30-20



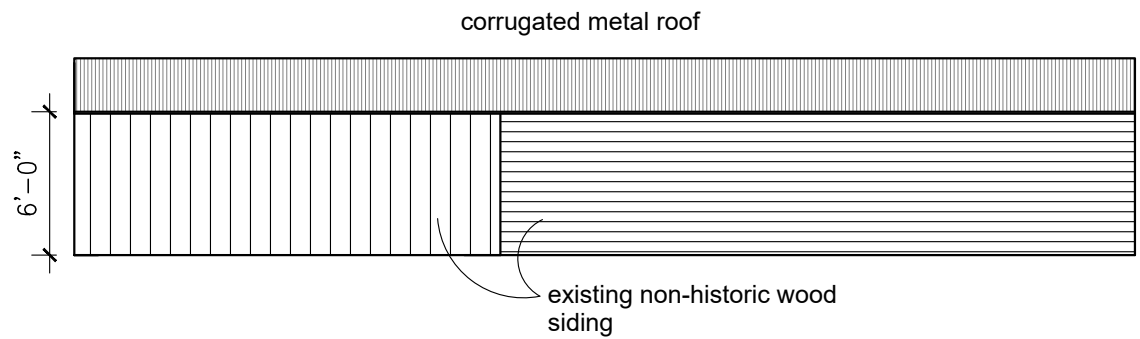
Existing Floor Plan - Carport



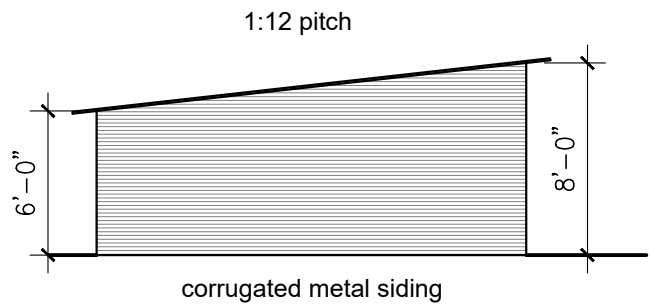
existing front elevation



existing north elevation



existing west elevation



existing south elevation


$$1/16'' = 1'-0''$$

09-30-20



At date of this survey, the property is in FEMA designated  
ZONE X as verified by FEMA map Panel No: \_\_\_\_\_

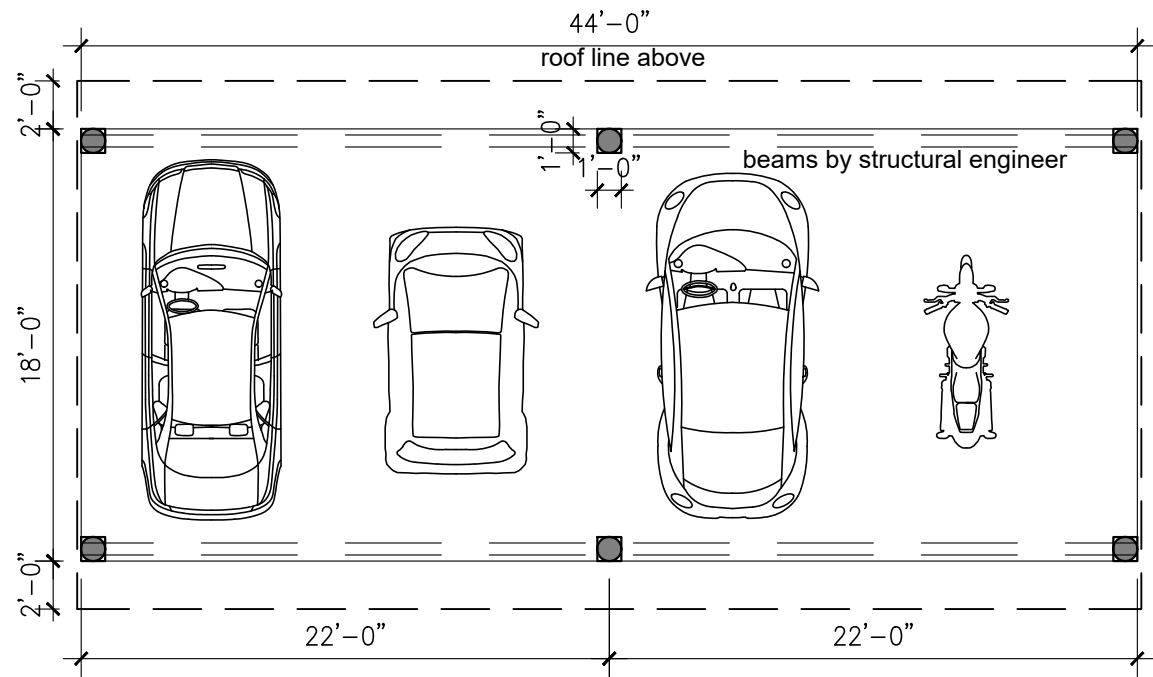
## Existing Site Plan - Carport

drawing for review only, not for construction, permitting, or regulatory approval

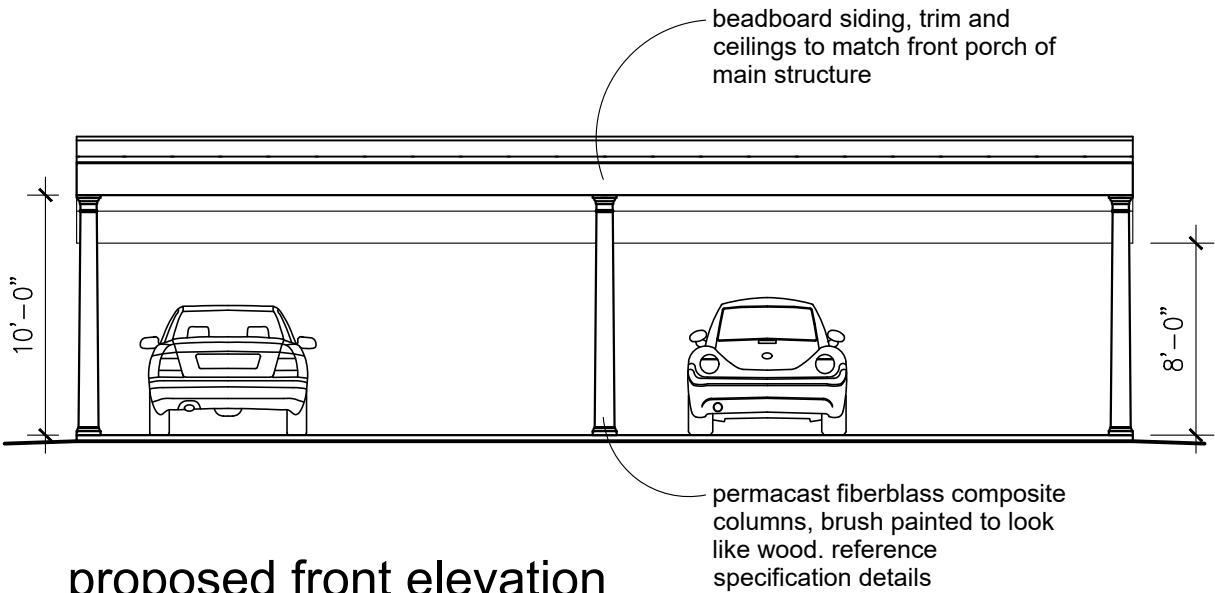


ZIGA ARCHITECTURE STUDIO  
Architecture | Interiors | Historic Preservation

Buffalo Contracting  
New Carport for a 4-plex in King William Historic District  
131 Adams St., San Antonio, TX 78210  
Proposed Floor Plan & Elevations  
1/8" = 1'-0"  
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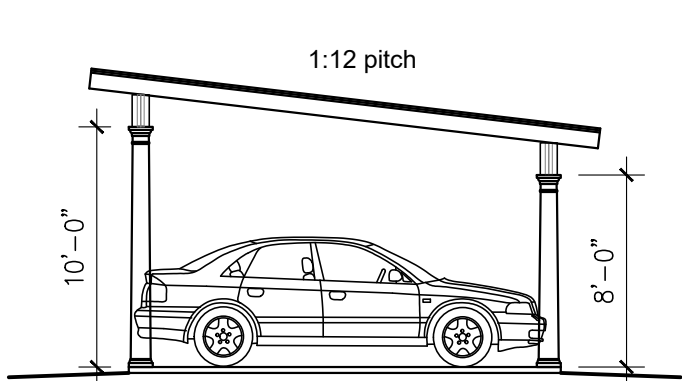


Existing Floor Plan - Carport



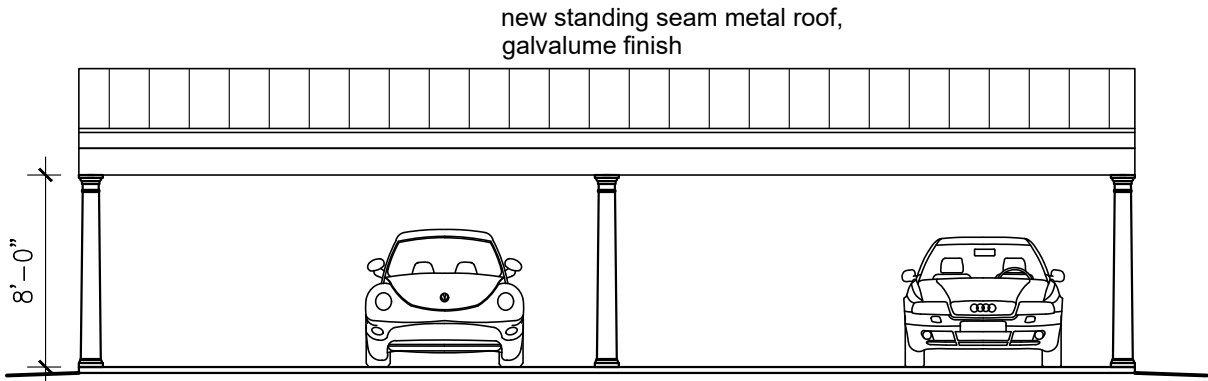
proposed front elevation

note: paint to match main structure



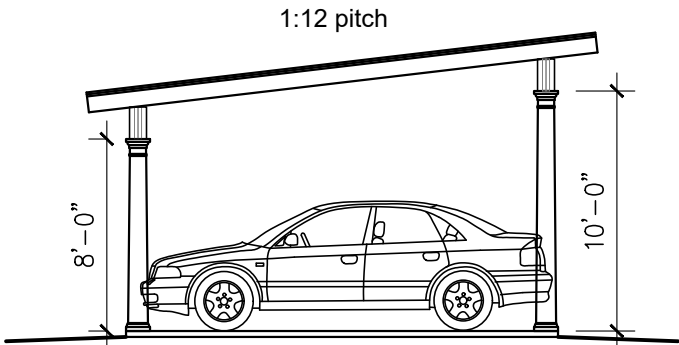
proposed north elevation

note: paint to match main structure



proposed west elevation

note: paint to match main structure



proposed south elevation

note: paint to match main structure





Street View – 131 Adams St.







Existing Accessory Structure







Existing Accessory Structure  
Dimensional/Treated Lumber, Corrugated metal, non-historic materials. Structure partially built directly on ground.





Site Photos



Front Porch Details that will be matched



Exposed rafter details







STANDING SEAM METAL ROOF





## 131 Adams St. – PROJECT NARRATIVE

Requesting final approval for demolition of non-historic carport/storage building, and construction of a new 4-car carport at the rear of a historic 4-plex structure.

The non-historic carport/storage is in very dilapidated state, and portions of the building are built directly on the ground as opposed to on an adequate foundation system. The materials are inconsistent and show evidence of many modern materials being piecemealed together throughout its usable life. Additionally, the accessory building shows evidence of its non-historic age through several observations in the field, further listed below:

1. Nominal dimensional lumber was observed, vs true sized members which would typically be found in period structures
2. Treated wood columns were observed, evidence of newer, non-historic materials
3. Corrugated metal roof and siding was observed, evidence of newer non-historic materials
4. Additionally, our research of historic Sanborn's insurance maps show the original accessory structure was demolished and replaced sometime between 1924 and 1952. Please refer to attached Sanborn's maps included in our exhibits.

The proposed replacement 4-car carport will consist of a wood frame, single shed roof design on new slab-on-grade foundation system, minimizing the presence of the structure while simultaneously nodding to the structure it is replacing. The roof material will be standing seam metal roof, galvalume finish, with seams spaced between 18"-21" apart as recommended by CoSA OHP Staff. The proposed structure will also be increased in height to allow headroom for modern 21<sup>st</sup> century vehicle clearances. The proposed columns will be "permacast" composite columns, for ease of maintenance, and will be hand-brush painted to mimic the appearance of wood columns (reference attached product specifications). The beams as specified by structural engineer, will be furred out using dimensional lumber, and sided to in beadboard siding and trim, to match the column, header, and ceiling details of the main structure's front stoop porch. The proposed accessory structure will be painted to match the main structure. The proposed carport will not be visible from the street.

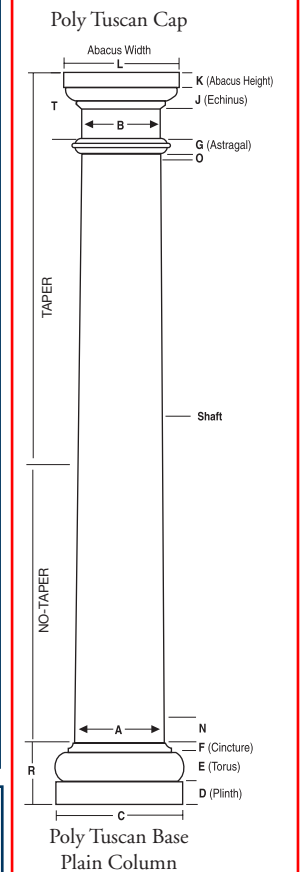
# Round Tapered **PERMA**Cast® Columns

selected columns in 8' and 10' heights

| COL. SIZE | A                  | B                  | C                  | D                  | E                 | F                 | G                  | J                 | K                 | L                   | O                 | N                  | R                  | T                   | LENGTHS AVAIL. (ft.)          |
|-----------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|-------------------|---------------------|-------------------|--------------------|--------------------|---------------------|-------------------------------|
| 6"        | 5 $\frac{3}{8}$ "  | 4 $\frac{3}{8}$ "  | 9"                 | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | $\frac{5}{8}$ "   | $\frac{3}{4}$ "    | 1 $\frac{1}{4}$ " | 1 $\frac{3}{8}$ " | 8"                  | 1"                | 6 $\frac{1}{4}$ "  | 3 $\frac{3}{16}$ " | 4 $\frac{7}{16}$ "  | 4,6,8                         |
| 8"        | 7 $\frac{7}{8}$ "  | 6 $\frac{1}{4}$ "  | 10 $\frac{1}{2}$ " | 1 $\frac{7}{8}$ "  | 1 $\frac{3}{4}$ " | $\frac{3}{4}$ "   | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 9 $\frac{1}{4}$ "   | $\frac{1}{2}$ "   | 2 $\frac{1}{4}$ "  | 4 $\frac{3}{8}$ "  | 4 $\frac{1}{2}$ "   | 5,6,8,9,10                    |
| 10"       | 9 $\frac{3}{8}$ "  | 8 $\frac{1}{4}$ "  | 13 $\frac{1}{8}$ " | 2 $\frac{1}{8}$ "  | 2 $\frac{1}{2}$ " | $\frac{3}{4}$ "   | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 11 $\frac{1}{4}$ "  | $\frac{3}{8}$ "   | 2 $\frac{1}{4}$ "  | 5 $\frac{1}{4}$ "  | 5"                  | 6,8,9,10,12                   |
| 12"       | 11 $\frac{3}{8}$ " | 9 $\frac{3}{4}$ "  | 16 $\frac{1}{2}$ " | 2 $\frac{3}{8}$ "  | 2 $\frac{1}{2}$ " | $\frac{7}{8}$ "   | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | 2 $\frac{1}{4}$ " | 13 $\frac{3}{4}$ "  | $\frac{3}{4}$ "   | 2 $\frac{5}{8}$ "  | 6 $\frac{3}{4}$ "  | 5 $\frac{3}{4}$ "   | 6,8,9,10,12,14,16,18          |
| 14"       | 13 $\frac{3}{8}$ " | 11 $\frac{3}{8}$ " | 19 $\frac{1}{2}$ " | 3 $\frac{3}{8}$ "  | 3 $\frac{3}{8}$ " | 1"                | 1"                 | 2"                | 2 $\frac{1}{2}$ " | 17"                 | $\frac{7}{8}$ "   | 2 $\frac{5}{8}$ "  | 7 $\frac{3}{4}$ "  | 7"                  | 8,9,10,12,14,16,18            |
| 16"       | 15 $\frac{3}{8}$ " | 13 $\frac{3}{8}$ " | 22"                | 3 $\frac{7}{8}$ "  | 3 $\frac{7}{8}$ " | 1 $\frac{1}{8}$ " | 1 $\frac{1}{16}$ " | 2 $\frac{1}{4}$ " | 2 $\frac{3}{4}$ " | 19 $\frac{3}{8}$ "  | 1"                | 3"                 | 8 $\frac{3}{8}$ "  | 8"                  | 8,10,12,14,16,18,20           |
| 18"       | 17 $\frac{1}{2}$ " | 15 $\frac{3}{8}$ " | 24 $\frac{3}{8}$ " | 4"                 | 4"                | 1 $\frac{1}{8}$ " | 1 $\frac{1}{16}$ " | 2 $\frac{3}{4}$ " | 3 $\frac{3}{8}$ " | 22 $\frac{3}{8}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 9 $\frac{3}{8}$ "  | 8 $\frac{7}{8}$ "   | 8,10,12,14,16,18,20,22,24,26  |
| 20"       | 19 $\frac{1}{2}$ " | 17 $\frac{1}{8}$ " | 27"                | 4 $\frac{3}{4}$ "  | 4 $\frac{1}{2}$ " | 2"                | 1 $\frac{1}{16}$ " | 2 $\frac{3}{4}$ " | 3 $\frac{3}{8}$ " | 24 $\frac{3}{16}$ " | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 11 $\frac{1}{4}$ " | 9"                  | 10,12,14,16,18,20,22,24       |
| 22"       | 21 $\frac{1}{8}$ " | 19 $\frac{1}{4}$ " | 30 $\frac{1}{4}$ " | 5"                 | 5"                | 2"                | 1 $\frac{1}{8}$ "  | 3"                | 3 $\frac{3}{4}$ " | 27 $\frac{1}{2}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 12"                | 10 $\frac{1}{4}$ "  | 16,18,20,22,24,26             |
| 24"       | 23 $\frac{3}{8}$ " | 21 $\frac{1}{4}$ " | 33 $\frac{1}{2}$ " | 6"                 | 5 $\frac{1}{4}$ " | 2 $\frac{1}{4}$ " | 2"                 | 3 $\frac{1}{2}$ " | 4"                | 30 $\frac{3}{8}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 13 $\frac{1}{2}$ " | 11 $\frac{1}{16}$ " | 12,14,16,18,20,22,24,26,28,30 |
| 28"       | 28"                | 24 $\frac{3}{8}$ " | 38"                | 6 $\frac{3}{4}$ "  | 6 $\frac{1}{2}$ " | 2 $\frac{3}{4}$ " | 2 $\frac{1}{4}$ "  | 3 $\frac{3}{4}$ " | 4 $\frac{3}{4}$ " | 33 $\frac{3}{8}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 15 $\frac{1}{2}$ " | 11 $\frac{1}{4}$ "  | 20,22,24,26,28                |
| 30"       | 29 $\frac{3}{8}$ " | 26 $\frac{1}{2}$ " | 41 $\frac{1}{8}$ " | 6 $\frac{1}{2}$ "  | 5 $\frac{7}{8}$ " | 2 $\frac{1}{2}$ " | 3"                 | 4"                | 4 $\frac{3}{4}$ " | 38 $\frac{3}{4}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 14 $\frac{3}{4}$ " | 14 $\frac{3}{8}$ "  | 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 Decorative Capital dimensions.   Standard Fluted Column (Fluted in mold)

• Split columns are not load bearing.



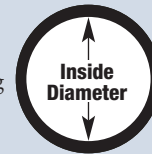
## COLUMN-LOC®

Column-Loc® creates a continuous connection from floor to beam/header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal and high wind areas. Currently available for 8" and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with and without threaded rod in lengths up to 12'.



## ROUND PERMACAST® INSIDE DIMENSIONS

Inside dimension 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 $\frac{3}{8}$ "   | 4 $\frac{1}{8}$ "   |
| 8"          | 5 $\frac{1}{2}$ "   | 6 $\frac{1}{8}$ "   |
| 10"         | 7 $\frac{3}{8}$ "   | 8 $\frac{1}{8}$ "   |
| 12"         | 8 $\frac{3}{8}$ "   | 10 $\frac{1}{8}$ "  |
| 14"         | 10 $\frac{7}{8}$ "  | 12 $\frac{7}{8}$ "  |
| 16"         | 12 $\frac{7}{8}$ "  | 15"                 |
| 18"         | 14 $\frac{1}{2}$ "  | 16 $\frac{3}{8}$ "  |
| 20"         | 16 $\frac{3}{16}$ " | 18 $\frac{3}{8}$ "  |
| 22"         | 18 $\frac{3}{8}$ "  | 20 $\frac{1}{16}$ " |
| 24"         | 20"                 | 22 $\frac{3}{8}$ "  |
| 28"         | 22 $\frac{7}{8}$ "  | 26 $\frac{3}{4}$ "  |
| 30"         | 25 $\frac{1}{4}$ "  | 28 $\frac{3}{8}$ "  |

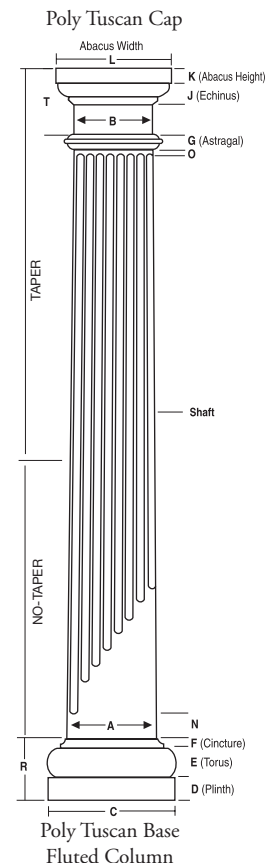
\*Plain columns only

## PLUMB-FIT®

To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the Plumb-Fit® patented (Patent 9689674) installation system included.

## 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.





October 9, 2020

Mr. Daniel Sexton  
Buffalo Contracting Services, Inc  
167 Cyril Dr.  
San Antonio, Texas 78218  
Ph. 210-685-8848

RE: **Structural Assessment**  
131 Adams St  
San Antonio, Texas 78210

Dear Daniel:

Pursuant to your request, 13<sup>th</sup> Level Structural Engineers, PLLC observed the existing carport and shed storage at the rear of the residence at the above address.

The carport is a single slope open front wood framed with a light gauge metal roof supported on an unreinforced concrete slab flat work. Based on the observed conditions we find the carport structure and storage area has many areas that are structurally deficient in its current state. The 2X4 @ 24 o.c. spacing roof rafters exceed the allowable span to carry the minimum roof loading required. The front header to the carport is grossly undersized for the span opening to support the dead load and roof live loads. The posts and header trimmer studs are not positively anchored to a foundation system and are subject to wind uplift displacement. The concrete slab is separated and uneven and is indicative of unreinforced concrete and does not meet code requirements to support this type of structure type.

Furthermore, the grading around the shed and carport is poor and appears the runoff flows to the rear of the residence and during periods of larger events have been flowing into the building causing wood rot to the studs and sole plate. Many of the studs have deteriorated to a point that they are not in contact with the sill and lack load carrying capacity.

Our findings are that the foundation and roof system do not meet current code loading minimums and are in a state of disrepair due to the lack of maintenance and deterioration due to water infiltration and wood destroying insects.

We recommend bringing these elements in compliance with the **International Residential and Energy Code 2018**. We do not find this structure to be safe for occupancy and the general public and should be demolished at the cost to the Owners. All demolition shall be completed in a legal manor.

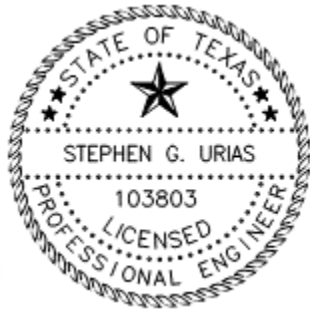
131 Adams St  
San Antonio, TX  
10/09/2020

Some photographs from our site visit are attached for your reference and reflect the general conditions at the property.

Please let this letter serve as our understanding that we have reviewed and fulfilled all obligations of the Texas Board of Professional Engineers in reference to your project. Please contact me directly if there are any questions or concerns.

Thank you for your time and please contact me directly if there are any questions or concerns.

Respectfully Submitted,



10/09/2020

Stephen G. Urias, PE  
*Managing Member*  
13<sup>th</sup> LV Structural Engineers, PLLC  
Texas Firm Registration No. F-17272  
13<sup>th</sup> LV Project #1090-20



**1. Car port at rear of residence.**



**2. View of header and post lack anchorage to wind uplift.**





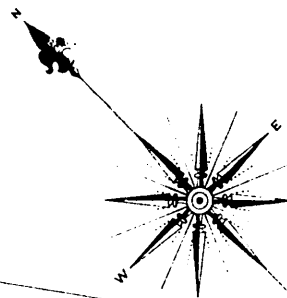
3. Typical sole plate conditions.





23

22



18

ADAMS

FROCKE

942

WICKES

STIEREN

24

E. GUENTHER

S. ALAMO

17

San Antonio River

CROFTON

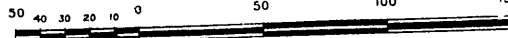
AV.

940

941

YOAKUM BEND

Scale of Feet.



358

352

351

S. ALAMO

PEREIDA

WICKES

ADAMS

FORCKE

MISSION

357

361

931

932

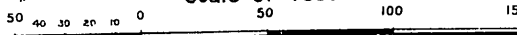
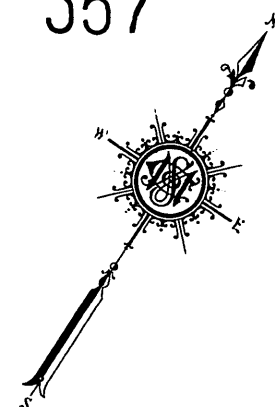
942

943

STIEREN

359

Scale of Feet.







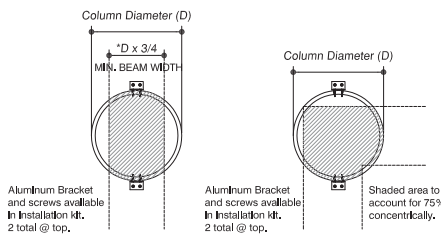


## Building Code Compliance

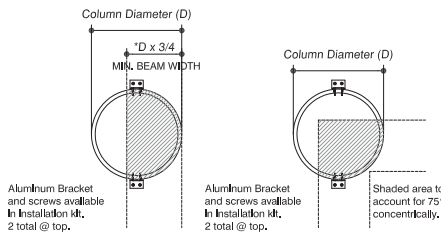
HB&G has updated our product testing to comply with changes to the Building Codes (IBC/IRC) and to the Acceptance Criteria for Fiberglass Columns. The 2 major changes that impacted PermaCast® and PermaLite® were:

- Eccentric Axial Loading – the new maximum allowable load values are based on eccentric (offset) axial load as opposed to concentric (centered) axial loading.
- Increased Safety Factor – the safety factor on the allowable load was increased from 2.5 times to 5 times

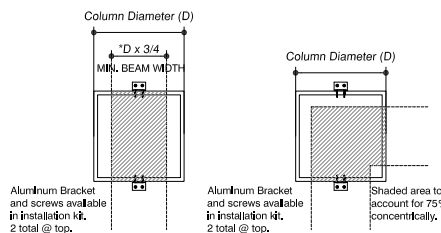
Eccentric loading of columns is not recommended by HB&G.



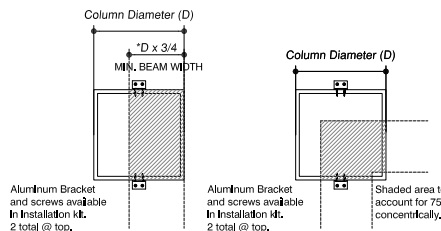
*Acceptable Applications*



*Unacceptable Applications*



*Acceptable Applications*



*Unacceptable Applications*

HB&G recommends following the installation instructions included with the product purchased.

HB&G structural products conform to 2018 IBC/IRC.

### Round Tapered PermaCast® Plain and Fluted

| Bottom Diameter | Eccentric Loading          |                           |                        |
|-----------------|----------------------------|---------------------------|------------------------|
|                 | Avg. Allowable Load (Lbs.) | Avg. Ultimate Load (Lbs.) | Concentric Load (Lbs.) |
| 6"              | 4580                       | 22900                     | 8000                   |
| 8"*             | 4600                       | 23000                     | 10000                  |
| 10"*            | 4690                       | 23450                     | 14000                  |
| 12"*            | 4800                       | 24000                     | 18000                  |
| 14"             | 7800                       | 39000                     | 20000                  |
| 16"             | 8250                       | 41250                     | 20000                  |
| 18"             | 10000                      | 50000                     | 20000                  |
| 20"             | 10000                      | 50000                     | 20000                  |
| 22"             | 10000                      | 50000                     | 20000                  |
| 24"             | 10000                      | 50000                     | 20000                  |
| 28"             | 10000                      | 50000                     | 20000                  |
| 30"             | 10000                      | 50000                     | 20000                  |

### Square PermaCast® Plain, Fluted, RoughSawn®, and Recessed Panel

|      |      |       |       |
|------|------|-------|-------|
| 6"*  | 5100 | 25500 | 8000  |
| 8"*  | 5150 | 25750 | 10000 |
| 10"* | 5640 | 28200 | 14000 |
| 12"* | 5900 | 29500 | 18000 |
| 14"  | 8500 | 42500 | 20000 |
| 16"  | 9500 | 47500 | 20000 |

### Round No-Taper PermaCast® Plain and Fluted

|     |      |       |       |
|-----|------|-------|-------|
| 6"  | 4580 | 22900 | 8000  |
| 8"  | 4590 | 22950 | 10000 |
| 10" | 4670 | 23350 | 14000 |
| 12" | 4750 | 23750 | 18000 |
| 14" | 7000 | 35000 | 20000 |
| 16" | 7000 | 35000 | 20000 |
| 18" | 7000 | 35000 | 20000 |
| 24" | 9000 | 45000 | 20000 |

### Craftsman Plain and RoughSawn® PermaCast®

|                    |      |       |       |
|--------------------|------|-------|-------|
| 10" x 6" x 66"     | 9000 | 45000 | 10000 |
| 10" x 8" x 66"     | 9000 | 45000 | 10000 |
| 10.25" x 7.5" x 7' | 7000 | 35000 | 10000 |
| 12" x 8" x 5'      | 8000 | 40000 | 14000 |
| 12" x 8" x 6'      | 8000 | 40000 | 14000 |
| 12" x 8" x 66"     | 8000 | 40000 | 14000 |
| 12" x 10" x 6'     | 8000 | 40000 | 14000 |
| 12" x 10" x 10'    | 8000 | 40000 | 14000 |
| 14" x 12" x 9'     | 8000 | 40000 | 14000 |
| 16" x 9" x 6'      | 9000 | 45000 | 14000 |
| 16" x 9" x 8'      | 9000 | 45000 | 14000 |
| 16" x 12" x 58"    | 9000 | 45000 | 14000 |
| 16" x 12" x 6'     | 9000 | 45000 | 14000 |
| 16" x 12" x 8'     | 9000 | 45000 | 14000 |

### Square PermaLite® Plain and Recessed Panel

|     |      |       |      |
|-----|------|-------|------|
| 6"  | 3000 | 15000 | 5000 |
| 8"  | 3000 | 15000 | 6500 |
| 10" | 3000 | 15000 | 7000 |
| 12" | 3000 | 15000 | 7500 |

\*Covered under ICC ESR-1361 / FL# 3102

Conforms with 2018 IBC/IRC

Note – Eccentric (off-center) loading has a 5 times safety factor.

– Eccentric (off-center) loading of columns is not covered by the warranty.

### RigidWrap® cPVC Column Wrap

| Size | Structural Load Capacity (Lbs.) |
|------|---------------------------------|
| 6"   | 4350                            |
| 8"   | 4350                            |
| 10"  | 4350                            |
| 12"  | 4350                            |

### Round Wood Columns

|     |      |
|-----|------|
| 6"  | 2000 |
| 8"  | 3200 |
| 10" | 4200 |
| 12" | 5100 |

### PermaPost®

|              |      |
|--------------|------|
| 5" Colonial  | 1300 |
| 6" Colonial  | 5000 |
| 5" Square    | 5000 |
| 6" Chamfered | 5000 |

### Wood Porch Posts

|    |      |
|----|------|
| 4" | 1000 |
| 5" | 3000 |
| 6" | 5800 |

### Round Fluted Aluminum Columns

|     |       |
|-----|-------|
| 6"  | 20000 |
| 8"  | 20000 |
| 10" | 26000 |
| 12" | 26000 |

### Square Fluted Aluminum Columns

|     |       |
|-----|-------|
| 6"  | 11000 |
| 8"  | 12000 |
| 10" | 9000  |
| 12" | 17000 |

### Heritage Square Recessed Panel Aluminum Columns

|    |       |
|----|-------|
| 6" | 24000 |
| 8" | 23000 |

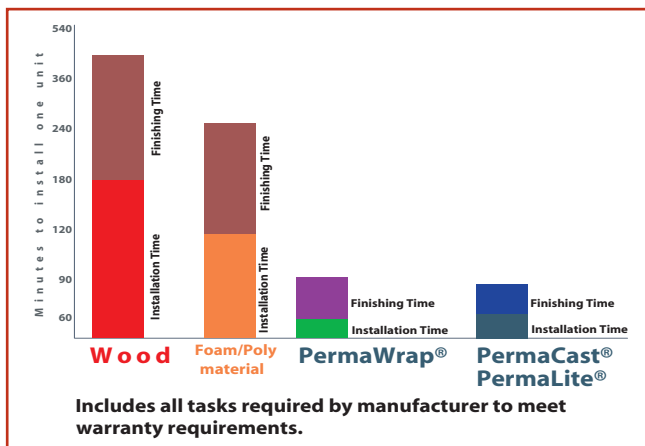
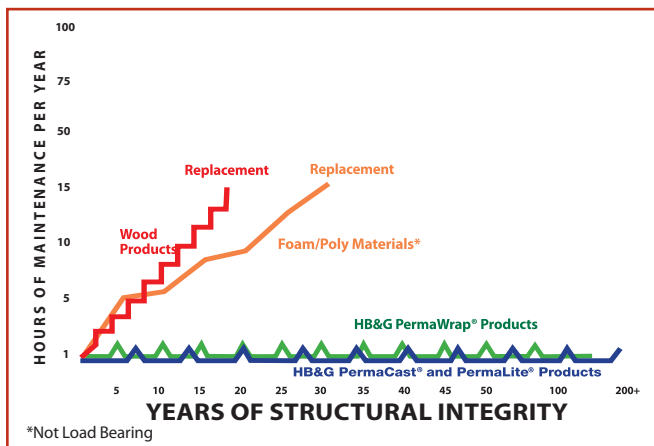
### Legend/Elite Square Aluminum Columns

|    |       |
|----|-------|
| 6" | 17000 |
| 8" | 14000 |

\*Concentric loading

Conforms with 2018 IBC/IRC





## 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.

## Ease of Use

Time is money. 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.

## Single Family Residential Use Warranty.

|                     | 1 Yr. | 10 Yr. | 25 Yr. | Limited Lifetime |
|---------------------|-------|--------|--------|------------------|
| PermaCast® *        |       |        |        |                  |
| PermaLite® *        |       |        |        |                  |
| PermaWrap®          |       |        |        |                  |
| RigidWrap®          |       |        |        |                  |
| PermaSnap™          |       |        |        |                  |
| PermaRail Plus®     |       |        |        |                  |
| PermaPost®          |       |        |        |                  |
| Balustrade          |       |        |        |                  |
| PermaPorch® Ceiling |       |        |        |                  |
| PVC Pergolas        |       |        |        |                  |
| Fiberglass Pergolas |       |        |        |                  |
| Wood Columns*       |       |        |        |                  |
| Aluminum Columns    |       |        |        |                  |
| Vinyl Post Wrap     |       |        |        |                  |

\*Excludes Split Columns  
See warranty for details

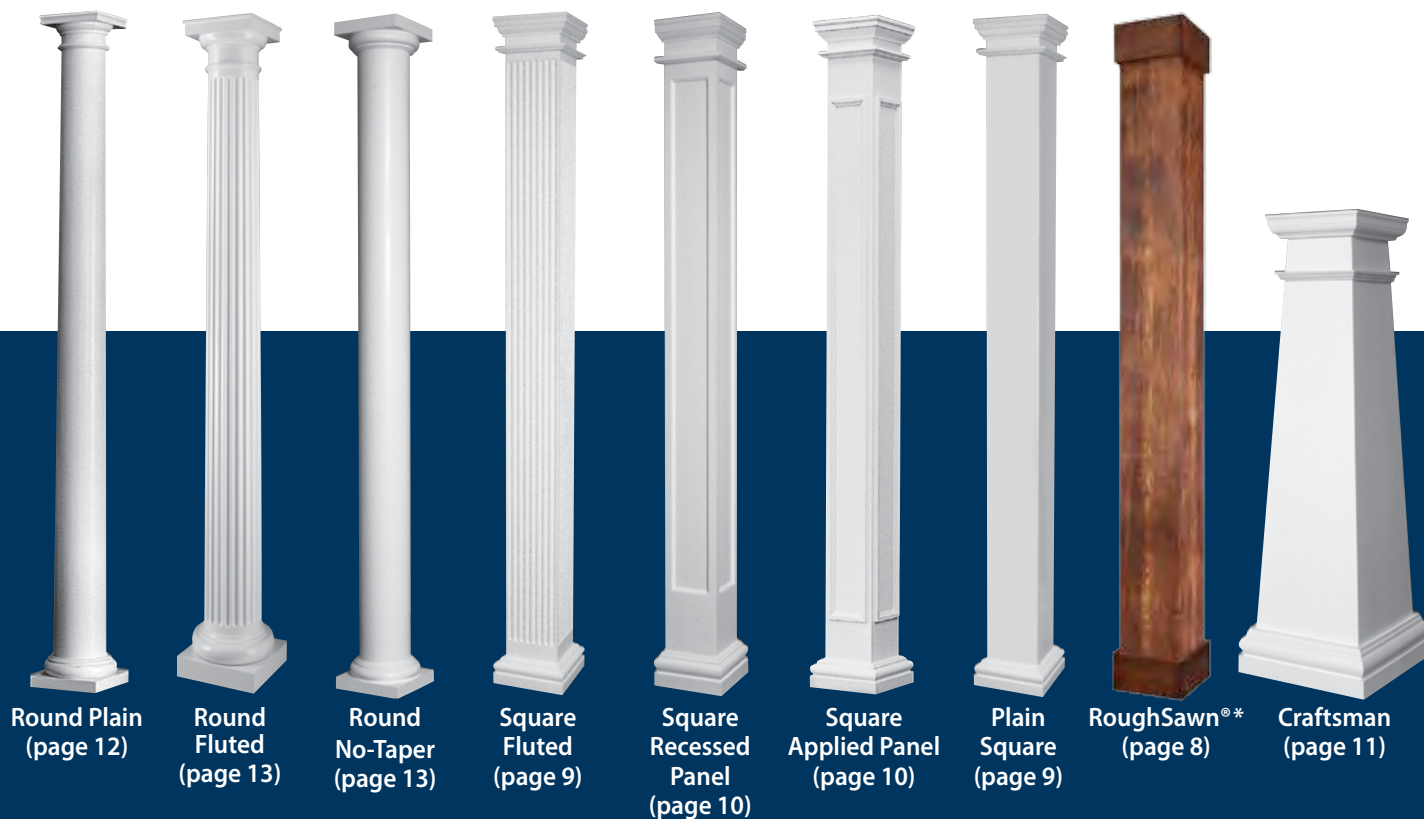
## The PermaPorch® Package

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.



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.



Roman Ionic (Round)



Greek Ionic (Round)



Colonial Cap (Round)



Roman Corinthian (Round)



Tuscan Cap (Round)



Doric Cap (Round)



Temple of the Winds (Round)



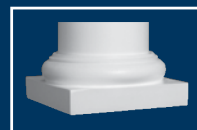
Scamozzi (Round)



Attic Base (Round)



PermaTuff® Tuscan Base (Round)



Tuscan Base Poly/Fiberglass (Round)



Doric Base (Round)



Colonial Base (Round)



Temple of the Winds (Square)



Roman Corinthian (Square)



Scamozzi (Square)



Roman Ionic (Square)



Greek Ionic (Square)



Tuscan Cap (Square)



Crown Cap (Square)



Tuscan Base (Square)



Attic Base (Square)



Colonial Cap and Base (Square)



Beveled Cap and Base (Square)

\*Products shown have been finished for demonstration purposes. PermaCast® and RoughSawn® Columns ship unfinished.

See pages 15 and 16 for cap and base dimensions.

# PERMACast® RoughSawn®

- Made of Structural Fiberglass
- Will not Check, Twist, Split or Rot
- Load Bearing
- Can be Stained using a Solid Body Acrylic Stain or Painted
- Weather and Insect Proof
- Low Maintenance
- Easy Installation
- Limited Lifetime Warranty\*



## THE BEAUTY OF WOOD



## WITHOUT THE ISSUES:

- Checking, splitting, twisting...
- Callbacks, complaints, unsatisfied customers...

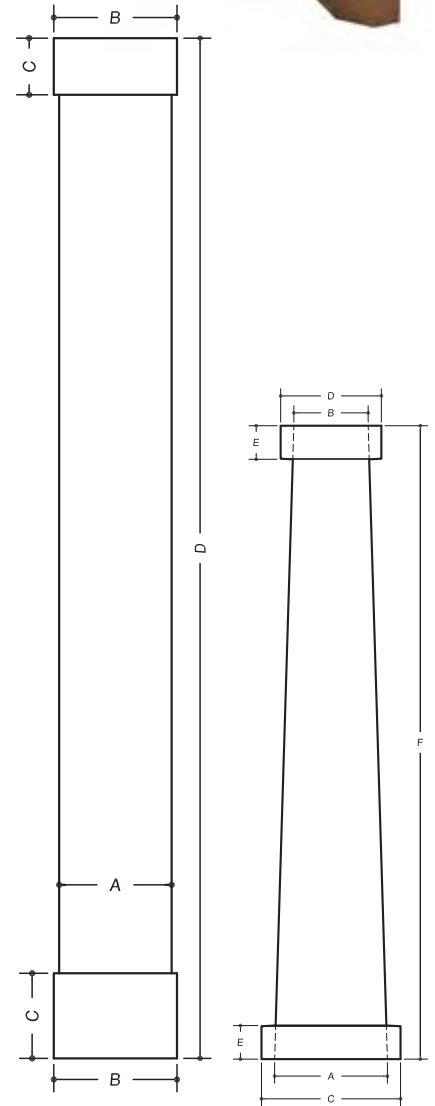
\*See Warranty

\*\*Products shown have been stained for demonstration purposes. RoughSawn® columns are shipped unfinished.

- Avoid finishing with gel stains.



24"  
Brace



| Craftsman RoughSawn® |         |        |         |         |        |     |
|----------------------|---------|--------|---------|---------|--------|-----|
| Size                 | A       | B      | C       | D       | E      | F   |
| 10"x 6               | 9-3/4"  | 5-3/4" | 12-1/2" | 8-7/8"  | 3-1/2" | 66" |
| 12" x 8"             | 11-3/4" | 7-3/4" | 14-1/2" | 10-3/4" | 3-1/2" | 66" |

| Square RoughSawn® |         |         |                 |                  |
|-------------------|---------|---------|-----------------|------------------|
| Size              | A       | B       | C               | D                |
| 8"                | 7-3/4"  | 9-1/4"  | 3-1/2" / 5-1/2" | 8', 9', 10'      |
| 10"               | 9-3/4"  | 11-1/4" | 3-1/2" / 5-1/2" | 8', 9', 10', 12' |
| 12"               | 11-3/4" | 13-1/4" | 3-1/2" / 5-1/2" | 8', 9', 10', 12' |

"C" is cap/base (2 sizes available / sold separately)

Trim sizes are available and can be used as both cap and base based on preference.



# Square **PERMA**Cast® Columns


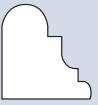


## SQUARE PERMACAST® INSIDE DIMENSIONS

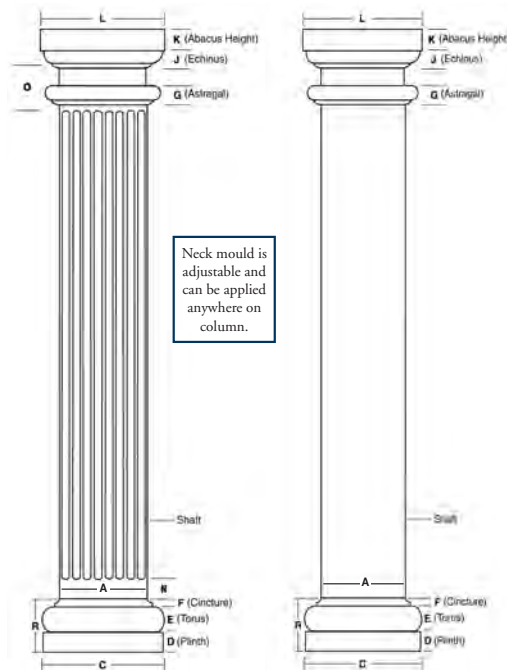
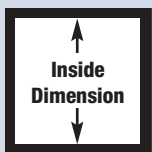
Inside dimensions may vary up to 1/4".  
Splitting a column will decrease inside dimension 1/8".

| COL. SIZE | INSIDE  |
|-----------|---------|
| 6"        | 5 3/8"* |
| 8"        | 5 7/8"  |
| 10"       | 9"      |
| 12"       | 11"     |
| 14"       | 13"     |
| 16"       | 15"     |

\*Inside is Round

## PANEL MOULDING FOR SQUARE PERMACAST®

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| Length: 8'<br>No. 54502<br>1/2" x 1"  | Length: 10'<br>No. 54503<br>1" x 1"   | Length: 10'<br>No. 54504<br>3/4" x 1"   | Length: 10'<br>No. 54505<br>3/4" x 1 5/16"  |



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

PermaCast® Square Column shown plain with Poly Tuscan Cap and Base.

## Plumb-Fit®

To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the patented (Patent 9689674) Plumb-Fit® installation system included.

## Column-Loc®

Column-Loc® creates a continuous connection from floor to beam/header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal and high wind areas. Currently available for 8" and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with or without threaded rod in lengths up to 12'.

## 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 1/8"   | 1 7/16"  | 1 5/16" | 9/16"   | 1"     | 1 1/4"  | 1 3/8"  | 9 1/8"    | N/A    | N/A    | 3 5/16" | 6,8,9,10                |
| 8"          | 8"  | 11 1/8"  | 1 7/8"   | 1 3/4"  | 5/8"    | 1"     | 1 1/4"  | 1 1/2"  | 10 15/16" | 5"     | 3 1/8" | 4 1/4"  | 6,8,9,10,12             |
| 10"         | 10" | 13 1/16" | 2 3/8"   | 2 5/16" | 3/4"    | 1"     | 1 1/4"  | 1 3/4"  | 12 3/4"   | 3 3/4" | 4 1/8" | 5 7/16" | 51",6,8,9,10,12,14,16   |
| 12"         | 12" | 16 5/8"  | 2 13/16" | 2 3/8"  | 7/8"    | 1"     | 1 7/8"  | 2 3/16" | 16 5/8"   | N/A    | N/A    | 6 1/16" | 8,9,10,12,14,16,18      |
| 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"  | N/A    | N/A    | 7 9/16" | 8,10,12,14              |
| 16"         | 16" | 22 1/8"  | 3 7/8"   | 3 3/8"  | 1 3/16" | 1 1/8" | 2 3/8"  | 2 3/4"  | 21 1/2"   | N/A    | N/A    | 8 7/16" | 8,10,12,14,16,18,20     |

□ Fluted Square.

\*There may be a variance of up to 1/4" in all dimensions.

• Split columns are not load bearing. • See page 16 for Decorative 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, fluted, and Craftsman styles. An unlimited combination of styles can be achieved by various uses of the panel moulding, neck moulding, 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.

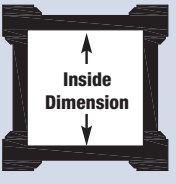




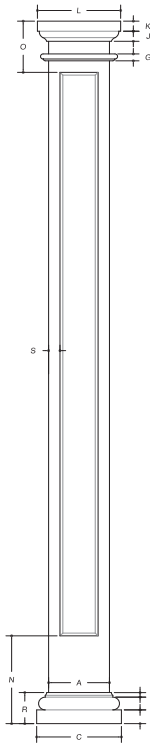
# Recessed Panel **PERMA**Cast® Columns

## RECESSED PANEL INSIDE DIMENSION

Inside dimension may vary up to 1/4".

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

- Recessed Panel columns must be primed with a quality bonding primer before finishing with a quality top coat of paint.



Neck mould is adjustable and can be applied anywhere on column.

Square Column with Poly  
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 (ft.) |
|-------------|-----|---------|----------|---------|---------|--------|---------|---------|-----------|---------|---------|---------|--------|--------------|-------------------------|
| 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 1/6" | 2 3/8"   | 2 5/16" | 3/4"    | 1"     | 1 1/4"  | 1 1/4"  | 12 3/4"   | 14 1/2" | 8 1/2"  | 5 7/16" | 1 1/2" | 1/2"         | 8,9,10                  |
| 12"         | 12" | 16 5/8" | 2 13/16" | 2 3/8"  | 7/8"    | 1"     | 1 7/8"  | 2 3/16" | 16 11/16" | 18"     | 10 1/2" | 6 1/16" | 2 1/4" | 9/16"        | 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 1/2" | 12 1/4" | 7 9/16" | 2 5/8" | 1 1/16"      | 8,10,14                 |

See page 16 for Decorative Capital dimensions.

\*Recessed Panel columns are not split.



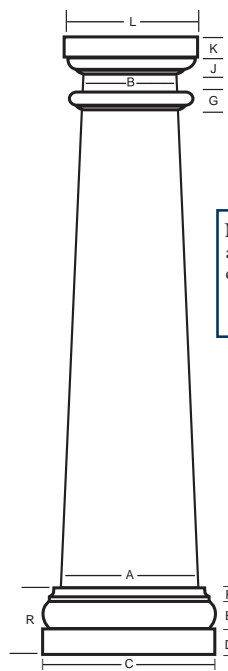
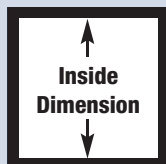
# CRAFTSMAN

PERMACAST® COLUMN

## CRAFTSMAN INSIDE DIMENSION

Inside dimension may vary up to 1/4".  
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" | 7"     | 9"     |
| 10" x 8"         | 7"     | 8 1/2" |
| 12" x 8"         | 6 1/2" | 11"    |
| 12" x 10"        | 9"     | 11"    |
| 14" x 12"        | 11"    | 13"    |
| 16" x 9"         | 8"     | 15"    |
| 16" x 12"        | 11"    | 15"    |



Neck mould is adjustable and can be applied anywhere on column.\*

## CRAFTSMAN COLUMN DIMENSIONS (IN INCHES)

|                  | A       | B       | C        | D      | E       | F       | G  | J      | K      | L         | R       | LENGTH  |
|------------------|---------|---------|----------|--------|---------|---------|----|--------|--------|-----------|---------|---------|
| 10" x 5 1/2"     | 10"     | 5 1/2"  | 13 5/8"  | 2 1/2" | 2 1/2"  | 1"      | 1" | 1 3/8" | 1 3/8" | 9 5/8"    | 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"   | 5 3/8"  | 7'      |
| 10" x 8"         | 9 1/2"  | 7 1/2"  | 12 3/4"  | 2 3/8" | 2 1/8"  | 3/4"    | 1" | 1"     | 1 3/8" | 10 1/4"   | 5 1/4"  | 66"     |
| 12" x 8"         | 12"     | 7 7/8"  | 16 9/16" | 2 1/2" | 2 1/2"  | 1 1/16" | 1" | 1 1/4" | 1 1/2" | 10 15/16" | 6 1/16" | 5', 6'  |
| 12" x 10"        | 12"     | 10"     | 16 9/16" | 2 1/2" | 2 1/2"  | 1 1/16" | 1" | 1"     | 1 3/8" | 12 3/4"   | 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"   | 7 3/8"  | 9'      |
| 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"   | 6 1/16" | 6', 8'  |
| 16" x 12"        | 15 1/4" | 11 1/2" | 21 1/2"  | 3 7/8" | 3 5/16" | 1 3/16" | 1" | 1 3/8" | 2"     | 15 1/4"   | 8 3/8"  | 6', 8'  |

\*Has 1/3" to 2/3" taper.

NOTE: Neck mould is not applied. Flashing and Installation Kit is not available for Craftsman Columns with Poly Tuscan cap and base sets.

- Split columns are not load bearing.





# Round Tapered **PERMA**Cast® Columns

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

\*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 Decorative Capital dimensions.   Standard Fluted Column (Fluted in mold)

• Split columns are not load bearing.

## COLUMN-LOC®

Column-Loc® creates a continuous connection from floor to beam/header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal and high wind areas. Currently available for 8" and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with and without threaded rod in lengths up to 12'.



## PLUMB-FIT®

To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the Plumb-Fit® patented (Patent 9689674) installation system included.

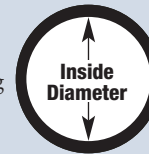
## ROUND PERMACAST® PORCH INSTALLATION BRACKET

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.



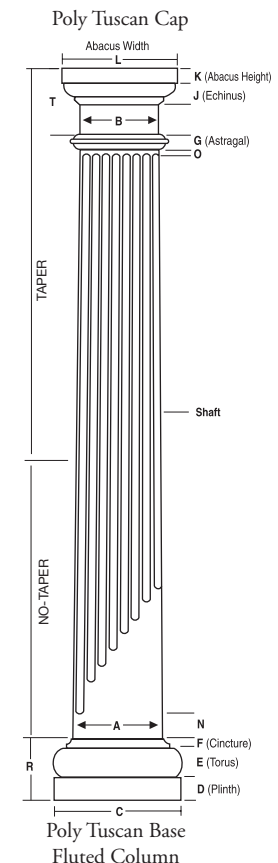
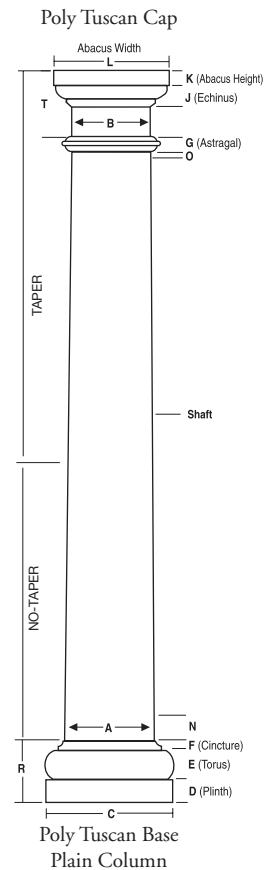
## ROUND PERMACAST® INSIDE DIMENSIONS

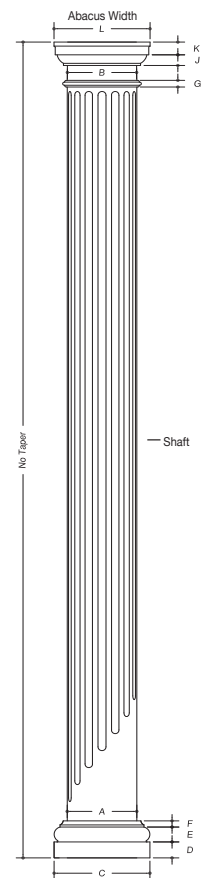
Inside dimension may vary up to 1/8". Splitting a column will decrease inside dimension 1/8".



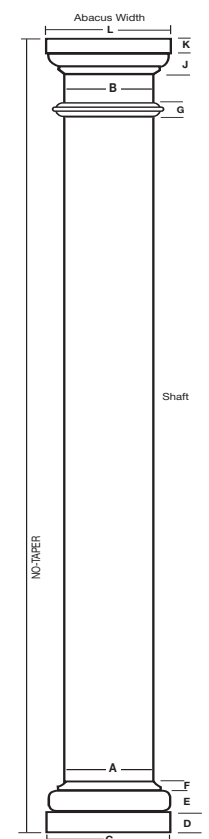
| COLUMN SIZE | TOP I.D.            | BOT I.D.            |
|-------------|---------------------|---------------------|
| 6"          | 3 $\frac{3}{8}$ "   | 4 $\frac{1}{8}$ "   |
| 8"          | 5 $\frac{1}{2}$ "   | 6 $\frac{1}{8}$ "   |
| 10"         | 7 $\frac{3}{8}$ "   | 8 $\frac{1}{8}$ "   |
| 12"         | 8 $\frac{3}{8}$ "   | 10 $\frac{1}{8}$ "  |
| 14"         | 10 $\frac{7}{8}$ "  | 12 $\frac{1}{8}$ "  |
| 16"         | 12 $\frac{7}{8}$ "  | 15"                 |
| 18"         | 14 $\frac{1}{2}$ "  | 16 $\frac{1}{8}$ "  |
| 20"         | 16 $\frac{3}{16}$ " | 18 $\frac{3}{8}$ "  |
| 22"         | 18 $\frac{3}{8}$ "  | 20 $\frac{1}{16}$ " |
| 24"         | 20"                 | 22 $\frac{3}{8}$ "  |
| 28"         | 22 $\frac{7}{8}$ "  | 26 $\frac{3}{4}$ "  |
| 30"         | 25 $\frac{1}{4}$ "  | 28 $\frac{3}{8}$ "  |

\*Plain columns only



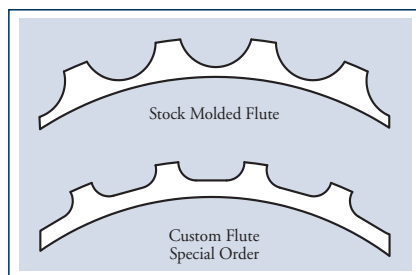


PermaCast® No-Taper Column with Poly Tuscan Cap and Base



PermaCast® Plain No-Taper Column with Poly Tuscan Cap and Base

# Fluted Round Tapered **PERMA**Cast® Columns



## HB&G OFFERS TWO DISTINCTIVE TYPES OF FLUTES.

**Stock Molded Flute:** Available in diameters of 8" x 8' – 16" x 12' 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.) Adjusted Flutes available.

\*Inside dimension may vary from "Stock" Flutes



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

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

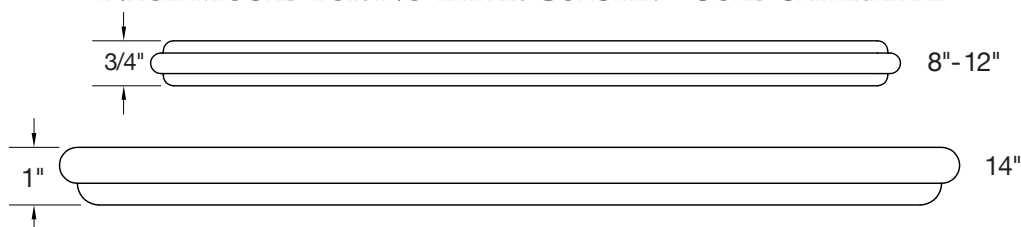
| Col. Size | A       | B       | C       | D      | E      | F       | G       | J      | K      | L         | Lengths Available (ft)                   |
|-----------|---------|---------|---------|--------|--------|---------|---------|--------|--------|-----------|--|
| 8"        | 7-5/8"  | 7-5/8"  | 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" | 2"     | 12-13/16" | 6, 8, 9, 10, 12                          |
| 12"       | 11-5/8" | 11-5/8" | 16-1/2" | 2-3/4" | 2-3/8" | 7/8"    | 3/4"    | 1-3/4" | 2"     | 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"  | 1"      | 2-1/4" | 3"     | 19-1/8"   | 6, 8, 9, 10, 12, 14                      |
| 16"       | 15-3/4" | 15-3/4" | 22"     | 3-7/8" | 3-1/2" | 1-1/4"  | 1"      | 2-1/4" | 2-3/4" | 22"       | 6, 8, 9, 10, 12, 14, 16, 18, 20          |
| 18"       | 17-1/2" | 17-1/2" | 24-5/8" | 4"     | 4"     | 1-5/8"  | 1-3/16" | 2-3/4" | 3-1/8" | 24-5/8"   | 6, 8, 9, 10, 12, 14, 16, 18, 20          |
| 24"       | 24"     | 24"     | 33-1/2" | 5-3/4" | 5-1/4" | 2-3/16" | 2-1/8"  | 3-1/2" | 4-1/8" | 33-3/8"   | 8, 9, 10, 12, 14, 16, 18, 24, 26, 28, 30 |

Neck mould not included.

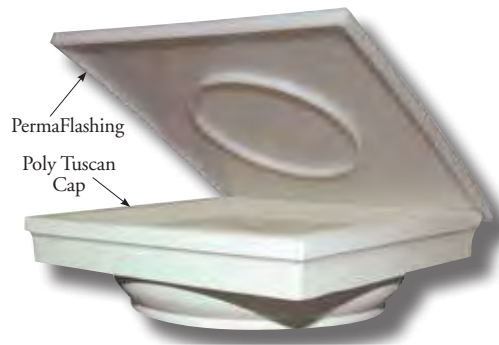
Flashing and Installation Kit not available with No-Taper Tuscan cap and base sets.

• Split columns are not load bearing.

## NECK MOULD FOR NO-TAPER COLUMN – SOLD SEPARATELY



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



### PermaCast® PermaFlashing and Installation Kit

The PermaCast® flashing with Plumb-Fit® and installation kit is available in selected 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 available in Tuscan cap and base sets for Craftsman, No-taper, PermaLite®, and Wood columns.

### Split Column Assembly and Flange Kits

HB&G offers a split kit and a split kit with flange option with an improved MMA adhesive.

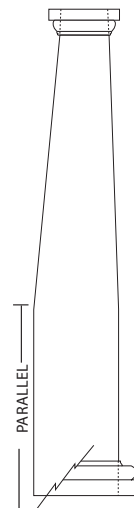
These kits can be purchased separately. **MMA adhesive must be stored in a climate-controlled environment.**



Installation Kit for Beveled Cap and Base



Installation Kit



**Entasis** - Parallel Dimensions are used to specify where the column begins to taper. These dimensions use length from the bottom of the column shaft to the point where the taper begins. This is necessary to determine how much a column can be shortened before the base begins to fit loosely. Filler and caulking may be used to fill the gap between the base and shaft if it is necessary to shorten the column beyond the parallel dimension.

### PARALLEL DIMENSIONS\*

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

| Column Size | Bottom Diameter                    |
|-------------|------------------------------------|
| 6x4         | 5 <sup>3</sup> / <sub>8</sub> "    |
| 18x8        | 17 <sup>1</sup> / <sub>4</sub> "   |
| 20x10       | 18 <sup>11</sup> / <sub>16</sub> " |
| 20x12       | 18 <sup>5</sup> / <sub>16</sub> "  |
| 20x14       | 19 <sup>1</sup> / <sub>4</sub> "   |

\*For Tapered Round Columns



# 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 complements your lifestyle. The cap and base options offered by HB&G are shown on page 9. Please refer to the following data that corresponds with your cap and base selection to ensure that you end up with the products that work best for you.

## CAPITAL AND BASE OPTIONS

Most 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. Decorative capitals for round PermaCast® columns will alter the height of the shaft.

## TUSCAN CAP AND BASES

The Tuscan style is standard and best complements the PermaCast® column. The Tuscan is available for all round and square shafts. For dimension see pages 9-10, 12-13, and 16.

## DECORATIVE CAPITAL

Five styles of decorative capitals are available for all round tapered and square shafts. Using a decorative capital with a round PermaCast® shaft will alter the height of the shaft. Decorative capitals do not alter the height of the shaft when used on a 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 low profile cap and base, the Colonial is designed specifically for use in applications where railing will be attached to the column. Available for PermaCast® round and square shafts 6"-12".

## CROWN CAP

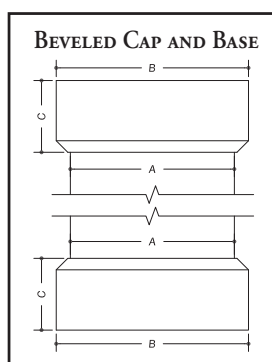
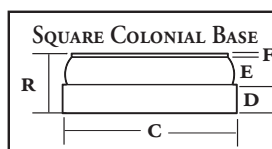
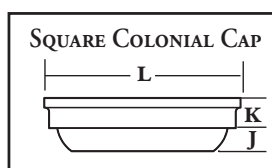
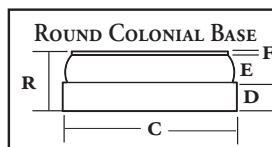
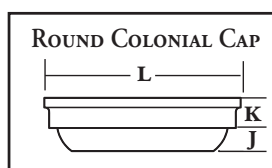
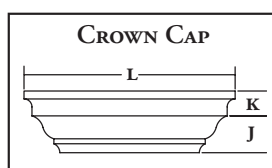
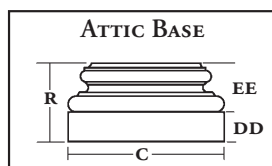
Available for PermaCast® Square shafts 6-12".

## PERMATUFF® BASE AND POLY CAP

A durable hard shell base combined with a poly cap. Designed for high traffic applications. Available for PermaCast® round shafts 8"-12".

## BEVELED CAP AND BASE

Designed to deliver a popular, more contemporary appearance, beveled caps and bases are available for PermaCast® Square shafts 6-12".



## 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 1/16"     | 1 3/8" | 2 3/4"  | 4 1/8"  | 6"          | 8 7/16"      | 1 3/8" | 2 7/8" | 4 1/4"  |
| 8"          | 10 1/8"     | 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 5/8"      | 2 3/8" | 4"     | 6 3/8"  |
| 12"         | 16 1/8"     | 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"  | 14"         | N/A          | N/A    | N/A    | N/A     |
| 16"         | 21 3/4"     | 4"     | 6 1/2"  | 10 1/2" | 16"         | 22 1/4"      | 4"     | 6 5/8" | 10 3/8" |
| 18"         | 25"         | 4 3/8" | 7 1/4"  | 11 3/8" | 18"         | N/A          | N/A    | N/A    | N/A     |
| 20"         | 27 1/16"    | 4 7/8" | 8 1/4"  | 13 3/8" | 20"         | N/A          | N/A    | N/A    | N/A     |
| 22"         | 30 1/4"     | 5 3/8" | 9 1/4"  | 14 3/8" | 22"         | N/A          | N/A    | N/A    | N/A     |
| 24"         | 33 1/2"     | 6"     | 10 1/4" | 16 1/4" | 24"         | N/A          | N/A    | N/A    | N/A     |
| 28"         | 38"         | 6 3/4" | 11 1/4" | 18 1/8" | 28"         | N/A          | N/A    | N/A    | N/A     |
| 30"         | 41 1/4"     | 6 1/2" | 11 1/4" | 17 3/4" | 30"         | 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" |

\*Made from Polyurethane

## COLONIAL ROUND CAP AND BASE DIMENSIONS\*

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

\*Low profile option.

## COLONIAL SQUARE CAP AND BASE DIMENSIONS\*

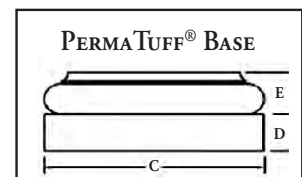
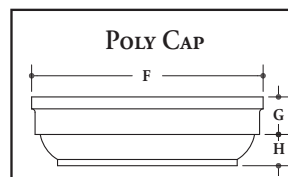
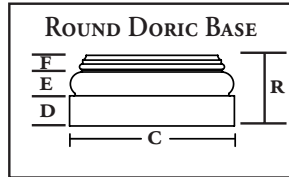
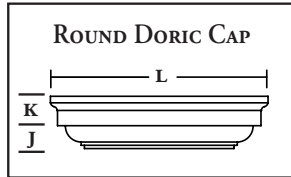
| Col. Size | C       | D      | E       | F     | J       | K      | L        | R      |
|-----------|---------|--------|---------|-------|---------|--------|----------|--------|
| 6"        | 8 1/4"  | 1 3/8" | 1 5/16" | 3/16" | 1"      | 1 3/8" | 8 1/4"   | 2 7/8" |
| 8"        | 10 5/8" | 1 1/4" | 1 1/16" | 7/16" | 1 5/16" | 1"     | 9 15/16" | 2 3/4" |
| 10"       | 12 3/8" | 1 1/4" | 1 1/16" | 3/16" | 1"      | 1 3/8" | 12 3/8"  | 2 3/4" |
| 12"       | 14 3/8" | 1 1/4" | 1"      | 1/2"  | 1"      | 1 3/8" | 14 3/8"  | 2 3/4" |

\*Low profile option.

## BEVELED CAP & BASE SET\*

| Size | A   | B       | C      |
|------|-----|---------|--------|
| 6"   | 6"  | 8-1/4"  | 3-1/2" |
| 8"   | 8"  | 10-1/4" | 3-1/2" |
| 10"  | 10" | 12-1/4" | 5-1/2" |
| 12"  | 12" | 14-1/4" | 5-1/2" |

\*For Square PermaCast® Columns  
See Installation Kit on page 14.



**DORIC CAP AND BASE DIMENSIONS**

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

**TUSCAN PERMATUFF® BASE AND POLY CAP DIMENSIONS**

| Col. Size | C       | D      | E      | F       | G      | H      |
|-----------|---------|--------|--------|---------|--------|--------|
| 8"        | 10-1/4" | 1-7/8" | 2-3/8" | 9-1/4"  | 1-1/2" | 1-1/4" |
| 10"       | 12-7/8" | 2-3/8" | 2-7/8" | 11-1/4" | 1-3/4" | 1-1/4" |
| 12"       | 15-1/4" | 2-3/4" | 3-1/4" | 13-3/4" | 2-1/4" | 1-3/4" |

\*Not Available Split

**DECORATIVE CAPITAL DIMENSIONS FOR ROUND TAPERED AND SQUARE COLUMNS (IN INCHES)**

| Size of Columns<br>(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                              | SQUARE                             | ROUND                              | SQUARE                            | ROUND                             | ROUND                            | ROUND                            | ROUND                            | ROUND                            | ROUND |
| Roman Ionic                                      | Height                     |       | 3 <sup>13</sup> / <sub>16</sub> " | 3 <sup>5</sup> / <sub>16</sub> "  | 4 <sup>1</sup> / <sub>8</sub> "    | 4"                                 | 4 <sup>7</sup> / <sub>8</sub> "    | 4 <sup>5</sup> / <sub>8</sub> "    | 6 <sup>1</sup> / <sub>4</sub> "  | 5 <sup>3</sup> / <sub>8</sub> "    | 6 <sup>3</sup> / <sub>4</sub> "    | 8 <sup>7</sup> / <sub>8</sub> "    | 9 1/2"                            | 10 <sup>5</sup> / <sub>16</sub> " | 9 <sup>5</sup> / <sub>16</sub> " | 9 <sup>7</sup> / <sub>16</sub> " |                                  |                                  |       |
|  | Abacus                     |       | 10 <sup>1</sup> / <sub>8</sub> "  | 8 <sup>1</sup> / <sub>8</sub> "   | 11 <sup>11</sup> / <sub>16</sub> " | 10 <sup>3</sup> / <sub>4</sub> "   | 14 <sup>3</sup> / <sub>4</sub> "   | 12 <sup>1</sup> / <sub>2</sub> "   | 16 <sup>7</sup> / <sub>8</sub> " | 17 <sup>1</sup> / <sub>8</sub> "   | 19 <sup>13</sup> / <sub>16</sub> " | 26"                                | 25 <sup>1</sup> / <sub>4</sub> "  | 25 <sup>5</sup> / <sub>16</sub> " | 26 <sup>3</sup> / <sub>8</sub> " | 26 <sup>3</sup> / <sub>8</sub> " |                                  |                                  |       |
|  | Projection                 | N/A   | 3 <sup>1</sup> / <sub>4</sub> "   | 3 <sup>1</sup> / <sub>8</sub> "   | 3"                                 | 4 <sup>1</sup> / <sub>8</sub> "    | 4 <sup>1</sup> / <sub>8</sub> "    | 5"                                 | 6 <sup>1</sup> / <sub>4</sub> "  | 7 <sup>1</sup> / <sub>8</sub> "    | 8"                                 | 8 <sup>1</sup> / <sub>2</sub> "    | 11 <sup>1</sup> / <sub>4</sub> "  | 11 <sup>1</sup> / <sub>4</sub> "  | 10"                              | 9 <sup>7</sup> / <sub>8</sub> "  | N/A                              | N/A                              |       |
|  | O/S to O/S<br>Inside Dia.* |       | 12 <sup>1</sup> / <sub>8</sub> "  | 10 <sup>1</sup> / <sub>2</sub> "  | 13 <sup>5</sup> / <sub>16</sub> "  | 13 <sup>3</sup> / <sub>16</sub> "  | 17 <sup>1</sup> / <sub>4</sub> "   | 16 <sup>1</sup> / <sub>2</sub> "   | 23 <sup>1</sup> / <sub>8</sub> " | 22 <sup>9</sup> / <sub>16</sub> "  | 24 <sup>3</sup> / <sub>8</sub> "   | 32 <sup>1</sup> / <sub>8</sub> "   | 31 <sup>3</sup> / <sub>4</sub> "  | 31 <sup>3</sup> / <sub>4</sub> "  | 33"                              | 34"                              |                                  |                                  |       |
| Greek Ionic                                      | Height                     |       | 5 <sup>1</sup> / <sub>2</sub> "   | 4 <sup>1</sup> / <sub>8</sub> "   | 6 <sup>1</sup> / <sub>4</sub> "    | 5 <sup>5</sup> / <sub>8</sub> "    | 6 <sup>3</sup> / <sub>4</sub> "    | 6 <sup>9</sup> / <sub>16</sub> "   | 9 <sup>1</sup> / <sub>4</sub> "  | 6 <sup>3</sup> / <sub>4</sub> "    | 10 <sup>3</sup> / <sub>8</sub> "   | 11"                                | 10 <sup>3</sup> / <sub>16</sub> " | 11 <sup>3</sup> / <sub>8</sub> "  | 13 <sup>7</sup> / <sub>8</sub> " | 13 <sup>7</sup> / <sub>8</sub> " |                                  |                                  |       |
|  | Abacus                     |       | 11"                               | 7 <sup>15</sup> / <sub>16</sub> " | 12 <sup>5</sup> / <sub>8</sub> "   | 10 <sup>11</sup> / <sub>16</sub> " | 16"                                | 14 <sup>3</sup> / <sub>8</sub> "   | 17 <sup>3</sup> / <sub>4</sub> " | 15 <sup>1</sup> / <sub>8</sub> "   | 22 <sup>5</sup> / <sub>16</sub> "  | 26 <sup>5</sup> / <sub>16</sub> "  | 25 <sup>1</sup> / <sub>4</sub> "  | 22 <sup>5</sup> / <sub>16</sub> " | 29"                              | 29"                              |                                  |                                  |       |
|  | Projection                 | N/A   | 4 <sup>5</sup> / <sub>8</sub> "   | 3 <sup>5</sup> / <sub>8</sub> "   | 4 <sup>7</sup> / <sub>8</sub> "    | 5"                                 | 5 <sup>7</sup> / <sub>8</sub> "    | 7 <sup>1</sup> / <sub>2</sub> "    | 7 <sup>1</sup> / <sub>4</sub> "  | 6 <sup>1</sup> / <sub>2</sub> "    | 10 <sup>1</sup> / <sub>4</sub> "   | 10 <sup>1</sup> / <sub>4</sub> "   | 9 1/2"                            | 11 <sup>1</sup> / <sub>4</sub> "  | 15 <sup>1</sup> / <sub>2</sub> " | 15 1/2"                          | N/A                              |                                  |       |
|  | O/S to O/S<br>Inside Dia.* |       | 14 <sup>1</sup> / <sub>2</sub> "  | 11 <sup>7</sup> / <sub>8</sub> "  | 17 <sup>9</sup> / <sub>16</sub> "  | 14 <sup>15</sup> / <sub>16</sub> " | 20 <sup>7</sup> / <sub>8</sub> "   | 20 <sup>11</sup> / <sub>16</sub> " | 26 <sup>3</sup> / <sub>8</sub> " | 20 <sup>11</sup> / <sub>16</sub> " | 29 <sup>1</sup> / <sub>4</sub> "   | 36 <sup>3</sup> / <sub>16</sub> "  | 29 <sup>1</sup> / <sub>8</sub> "  | 31 <sup>3</sup> / <sub>4</sub> "  | 43 <sup>1</sup> / <sub>2</sub> " | 43 <sup>1</sup> / <sub>2</sub> " |                                  |                                  |       |
| Temple of the Winds                              | Height                     |       | 8 <sup>7</sup> / <sub>16</sub> "  | 8"                                | 11 <sup>1</sup> / <sub>2</sub> "   | 10 <sup>7</sup> / <sub>16</sub> "  | 13 <sup>7</sup> / <sub>8</sub> "   | 11 <sup>5</sup> / <sub>8</sub> "   | 20 <sup>1</sup> / <sub>2</sub> " | 16 <sup>1</sup> / <sub>4</sub> "   | 18 <sup>1</sup> / <sub>4</sub> "   | 21 <sup>13</sup> / <sub>16</sub> " | 21 <sup>7</sup> / <sub>8</sub> "  | 23"                               | 24 <sup>1</sup> / <sub>8</sub> " | 27 <sup>7</sup> / <sub>8</sub> " |                                  |                                  |       |
|  | Abacus                     |       | 12 <sup>1</sup> / <sub>8</sub> "  | 11 <sup>7</sup> / <sub>8</sub> "  | 15 <sup>1</sup> / <sub>2</sub> "   | 13 <sup>7</sup> / <sub>16</sub> "  | 21 <sup>13</sup> / <sub>16</sub> " | 16 <sup>9</sup> / <sub>16</sub> "  | 25 <sup>3</sup> / <sub>4</sub> " | 23 <sup>1</sup> / <sub>4</sub> "   | 26"                                | 29 <sup>5</sup> / <sub>16</sub> "  | 28 <sup>3</sup> / <sub>8</sub> "  | 34 <sup>3</sup> / <sub>4</sub> "  | 35 <sup>1</sup> / <sub>4</sub> " | 37 <sup>1</sup> / <sub>4</sub> " |                                  |                                  |       |
|  | Projection                 | N/A   | 4 <sup>3</sup> / <sub>8</sub> "   | 5 <sup>1</sup> / <sub>2</sub> "   | 5 <sup>1</sup> / <sub>8</sub> "    | 6"                                 | 8"                                 | 7"                                 | 9 <sup>7</sup> / <sub>8</sub> "  | 10 <sup>7</sup> / <sub>8</sub> "   | 11 <sup>1</sup> / <sub>8</sub> "   | 12"                                | 12"                               | 15 <sup>1</sup> / <sub>2</sub> "  | 14 <sup>7</sup> / <sub>8</sub> " | 16 <sup>1</sup> / <sub>8</sub> " | N/A                              | N/A                              |       |
|  | O/S to O/S<br>Inside Dia.* |       | 12 <sup>1</sup> / <sub>8</sub> "  | 11 <sup>7</sup> / <sub>8</sub> "  | 15 <sup>1</sup> / <sub>2</sub> "   | 13 <sup>7</sup> / <sub>16</sub> "  | 21 <sup>13</sup> / <sub>16</sub> " | 16 <sup>9</sup> / <sub>16</sub> "  | 25 <sup>3</sup> / <sub>4</sub> " | 23 <sup>1</sup> / <sub>4</sub> "   | 26"                                | 29 <sup>5</sup> / <sub>16</sub> "  | 28 <sup>3</sup> / <sub>8</sub> "  | 34 <sup>3</sup> / <sub>4</sub> "  | 35 <sup>1</sup> / <sub>4</sub> " | 37 <sup>1</sup> / <sub>4</sub> " |                                  |                                  |       |
| Roman Corinthian                                 | Height                     |       | 10 <sup>3</sup> / <sub>4</sub> "  | 8 <sup>11</sup> / <sub>16</sub> " | 13 <sup>11</sup> / <sub>16</sub> " | 11 <sup>15</sup> / <sub>16</sub> " | 17 <sup>3</sup> / <sub>4</sub> "   | 14 <sup>5</sup> / <sub>8</sub> "   | 20 <sup>1</sup> / <sub>8</sub> " | 17 <sup>5</sup> / <sub>8</sub> "   | 22 <sup>1</sup> / <sub>16</sub> "  | 26 <sup>1</sup> / <sub>2</sub> "   | 26 <sup>1</sup> / <sub>16</sub> " | 28 <sup>7</sup> / <sub>16</sub> " | 31 <sup>7</sup> / <sub>8</sub> " | 34 <sup>1</sup> / <sub>4</sub> " |                                  |                                  |       |
|  | Abacus                     |       | 13 <sup>1</sup> / <sub>4</sub> "  | 12 <sup>1</sup> / <sub>16</sub> " | 18"                                | 14 <sup>5</sup> / <sub>8</sub> "   | 22 <sup>3</sup> / <sub>8</sub> "   | 18 <sup>7</sup> / <sub>8</sub> "   | 26 <sup>1</sup> / <sub>4</sub> " | 22 <sup>13</sup> / <sub>16</sub> " | 32 <sup>3</sup> / <sub>8</sub> "   | 37 <sup>1</sup> / <sub>2</sub> "   | 38 <sup>7</sup> / <sub>8</sub> "  | 41 <sup>5</sup> / <sub>8</sub> "  | 40 <sup>1</sup> / <sub>4</sub> " | 45 <sup>1</sup> / <sub>4</sub> " |                                  |                                  |       |
|  | Projection                 | N/A   | 4 <sup>1</sup> / <sub>4</sub> "   | 4 <sup>3</sup> / <sub>4</sub> "   | 6"                                 | 6 <sup>1</sup> / <sub>4</sub> "    | 7 <sup>1</sup> / <sub>8</sub> "    | 8 <sup>1</sup> / <sub>4</sub> "    | 8 <sup>7</sup> / <sub>8</sub> "  | 8 <sup>3</sup> / <sub>8</sub> "    | 14 <sup>1</sup> / <sub>4</sub> "   | 13 <sup>3</sup> / <sub>8</sub> "   | 17 <sup>1</sup> / <sub>2</sub> "  | 16 <sup>3</sup> / <sub>4</sub> "  | 16"                              | 17 <sup>1</sup> / <sub>2</sub> " | N/A                              | N/A                              |       |
|  | O/S to O/S<br>Inside Dia.* |       | 13 <sup>1</sup> / <sub>4</sub> "  | 12 <sup>1</sup> / <sub>16</sub> " | 18"                                | 14 <sup>5</sup> / <sub>8</sub> "   | 22 <sup>3</sup> / <sub>8</sub> "   | 18 <sup>7</sup> / <sub>8</sub> "   | 26 <sup>1</sup> / <sub>4</sub> " | 22 <sup>13</sup> / <sub>16</sub> " | 32 <sup>3</sup> / <sub>8</sub> "   | 37 <sup>1</sup> / <sub>2</sub> "   | 38 <sup>7</sup> / <sub>8</sub> "  | 41 <sup>5</sup> / <sub>8</sub> "  | 40 <sup>1</sup> / <sub>4</sub> " | 45 <sup>1</sup> / <sub>4</sub> " |                                  |                                  |       |
| Scamozzi   | Height                     |       | 3 <sup>1</sup> / <sub>4</sub> "   | 3 <sup>1</sup> / <sub>8</sub> "   | 5"                                 | 4 <sup>1</sup> / <sub>8</sub> "    | 5 <sup>5</sup> / <sub>16</sub> "   | 5 <sup>1</sup> / <sub>16</sub> "   | 6 <sup>1</sup> / <sub>2</sub> "  | 5 <sup>3</sup> / <sub>4</sub> "    | 7 <sup>1</sup> / <sub>16</sub> "   | 8 <sup>13</sup> / <sub>16</sub> "  | 8 <sup>3</sup> / <sub>4</sub> "   | 8 <sup>3</sup> / <sub>8</sub> "   | 10 <sup>3</sup> / <sub>4</sub> " | 11 <sup>1</sup> / <sub>2</sub> " | 12 <sup>1</sup> / <sub>4</sub> " | 15 <sup>1</sup> / <sub>4</sub> " |       |
|  | Abacus                     |       | 11 <sup>1</sup> / <sub>4</sub> "  | 9 <sup>7</sup> / <sub>8</sub> "   | 16 <sup>3</sup> / <sub>16</sub> "  | 14 <sup>1</sup> / <sub>4</sub> "   | 17 <sup>7</sup> / <sub>8</sub> "   | 16 <sup>5</sup> / <sub>8</sub> "   | 20 <sup>7</sup> / <sub>8</sub> " | 18 <sup>1</sup> / <sub>4</sub> "   | 23 <sup>3</sup> / <sub>4</sub> "   | 26"                                | 28 <sup>3</sup> / <sub>8</sub> "  | 28 <sup>1</sup> / <sub>2</sub> "  | 32"                              | 36"                              | 38 <sup>1</sup> / <sub>4</sub> " | 46 <sup>1</sup> / <sub>4</sub> " |       |
|  | Projection                 | N/A   | 3 <sup>3</sup> / <sub>8</sub> "   | 3 <sup>3</sup> / <sub>8</sub> "   | 5 <sup>1</sup> / <sub>8</sub> "    | 5 <sup>3</sup> / <sub>8</sub> "    | 5 <sup>1</sup> / <sub>8</sub> "    | 6"                                 | 5 <sup>1</sup> / <sub>4</sub> "  | 6 <sup>3</sup> / <sub>8</sub> "    | 8 <sup>3</sup> / <sub>4</sub> "    | 5 <sup>1</sup> / <sub>4</sub> "    | 10 <sup>1</sup> / <sub>4</sub> "  | 10 <sup>1</sup> / <sub>4</sub> "  | 10 <sup>1</sup> / <sub>8</sub> " | 12 <sup>1</sup> / <sub>2</sub> " | 13 <sup>3</sup> / <sub>4</sub> " | 16 <sup>1</sup> / <sub>8</sub> " |       |
|  | O/S to O/S<br>Inside Dia.* |       | 11 <sup>3</sup> / <sub>8</sub> "  | 10"                               | 16 <sup>3</sup> / <sub>16</sub> "  | 14 <sup>1</sup> / <sub>4</sub> "   | 18 <sup>1</sup> / <sub>16</sub> "  | 16 <sup>5</sup> / <sub>8</sub> "   | 20 <sup>7</sup> / <sub>8</sub> " | 18 <sup>3</sup> / <sub>8</sub> "   | 23 <sup>3</sup> / <sub>4</sub> "   | 26"                                | 28 <sup>3</sup> / <sub>8</sub> "  | 28 <sup>3</sup> / <sub>8</sub> "  | 32"                              | 36"                              | 38 <sup>1</sup> / <sub>2</sub> " | 46 <sup>1</sup> / <sub>4</sub> " |       |

\*Inside Diameter

• See page 7 for images.

NOTE: Installation Kit available.

**Splitting Options**



## Painting Instructions

Painting instructions for round and square PermaCast® columns:

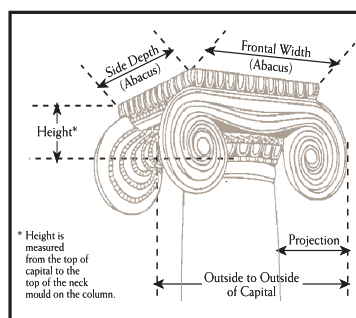
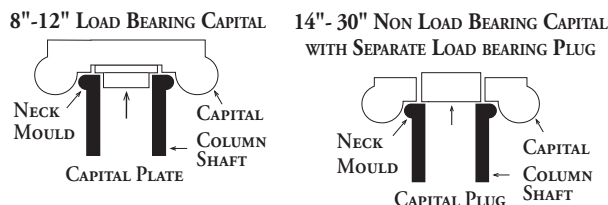
- Rinse and allow to dry completely.
- Prime with high quality exterior latex bonding primer or use an oil-based bonding primer in accordance with paint manufacturer's instructions. A light coat of primer should be applied and allowed to cure fully.
- Paint evenly with several light coats over column with a high quality exterior latex or oil-based paint in accordance with paint manufacturer's 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).

## Tips

- ✓ When ordering a decorative capital order the appropriate base for the column.
- ✓ Decorative capitals for square PermaCast® slide over the shaft and do not use a plug. These decorative capitals will not lengthen or shorten the height of the column.
- ✓ When installing a decorative capital on fluted, recessed panel, or square columns, the capital slides over the shaft. The taller capitals will cover the flutes and require additional caulking to finish.
- ✓ 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 moulding 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.
- ✓ All custom split columns, caps, and bases are nonrefundable.

### DECORATIVE CAPITALS FOR ROUND TAPERED PERMACAST® COLUMNS

Adding a load bearing decorative 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 decorative capital +/- 1/4" for overall column height.



NOTE: Decorative Capitals are not designed to fit non-tapered columns.

### DECORATIVE CAPITALS FOR SQUARE PERMACAST® COLUMNS

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



**NOTE: Decorative Capital Installation Kits Available**





# PermaLite® Columns


- Weather Proof
- Insect Proof
- Load Bearing
- Low Maintenance
- Lightweight
- Ready to Prime and Paint
- Limited Lifetime Warranty\*




\*See Warranty




HB&G PermaLite® columns are cost effective, load bearing, versatile, and require very little maintenance. The PermaLite® columns are available in round and square. PermaLite® columns deliver all of the beauty at 1/3 of the weight.




PermaLite®  
Round  
No-Taper




PermaLite®  
Square Plain



PermaLite®  
Square Recessed  
(with panel kit)

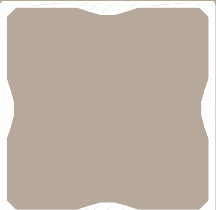


PermaLite® Square  
Recessed (with panel  
divider kit)

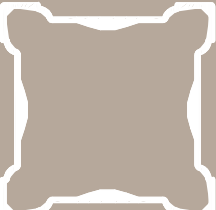


PermaLite® Square  
Recessed (with 2-panel  
divider kits)


TOP VIEW  
CUT-AWAY




PermaLite® Plain




PermaLite® Recessed



PermaLite® Round




Square Tuscan Cap



Round Tuscan Cap



Square Tuscan Base



Round Tuscan Base

For Tuscan Cap and Base dimensions refer to page 21.



Installation Kit for  
Beveled Cap and Base



Installation Kit  
(Both sold separately)



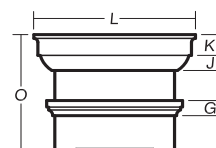
## PERMALITE® PANEL DIVIDER KITS TO CONVERT A SINGLE PANEL COLUMN INTO A 2 OR 3-PANEL COLUMN

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

**PANEL DIVIDER KITS** are available.

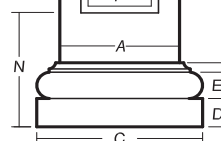
| Kit Size                            | Width                            | Height                          |
|-------------------------------------|----------------------------------|---------------------------------|
| 8" Panel Divider Kit<br>(4 Pieces)  | 4 <sup>7</sup> / <sub>8</sub> "  | 2 <sup>1</sup> / <sub>4</sub> " |
| 10" Panel Divider Kit<br>(4 Pieces) | 5 <sup>5</sup> / <sub>16</sub> " | 5 <sup>1</sup> / <sub>8</sub> " |

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

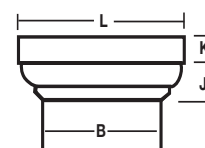


Neck Mould\* is adjustable and can be applied anywhere on column.

\*Included with cap and base set.

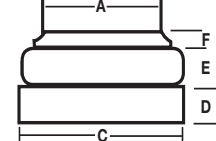


PermaLite® Square Column shown with Tuscan Cap and Base



Neck Mould\* for PermaLite® Round Column

\*Sold separately



PermaLite® Round No-Taper Column shown with Tuscan Cap and Base

See page 21 for dimension chart.



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

| Col. Size | A       | C         | D      | E        | F      | G      | J       | K       | L       | N   | O   | P      | Lengths Avail. (ft.)  |
|-----------|---------|-----------|--------|----------|--------|--------|---------|---------|---------|-----|-----|--------|---|
| 6"        | 5-1/2"  | 8-1/2"    | 1-1/2" | 1-1/4"   | 1/2"   | 1-1/4" | 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" | 1-3/4"   | 5/8"   | 1-1/4" | 1"      | 1-3/8"  | 10-1/8" | 8"  | 8"  | 3-7/8" | <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 12 |
| 8"*       | 7-1/2"  | 10-7/16"  | 1-7/8" | 1-11/16" | 5/8"   | 1-1/4" | 1"      | 1-3/8"  | 10-1/4" | 8"  | 8"  | 3-7/8" | <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 12 |
| 10"       | 9-1/2"  | 12-15/16" | 2-1/2" | 2-1/8"   | 3/4"   | 1-1/4" | 1-5/16" | 1-3/4"  | 12-3/4" | 9"  | 9"  | 4-3/8" | <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 12 |
| 10"*      | 9-1/2"  | 13-1/8"   | 2-3/8" | 2-1/8"   | 3/4"   | 1-1/4" | 1-1/4"  | 1-3/4"  | 12-3/4" | 9"  | 9"  | 4-3/8" | <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 12 |
| 12"       | 11-1/2" | 15-1/4"   | 2-3/4" | 2-7/16"  | 13/16" | 1-1/4" | 1-3/8"  | 2"      | 15-7/8" | N/A | N/A | N/A    | 6, 8, 9, 10, 12   |

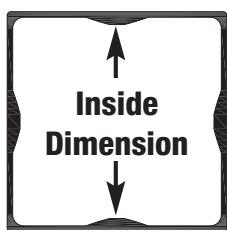
\* SIM caps and bases. The remainder are poly caps and bases. ☐ Recessed panel available.

• See drawing on page 20.

NOTES: Recessed Panel top inset – 8" = 8", 10" = 9"; Bottom inset – 8" = 8", 10" = 9". Neck mould is adjustable and is applied in the field. Recessed Panel available in 8" and 10" sizes only. Factory split PermaLite® columns are not available. HB&G does not recommend splitting PermaLite® columns.

### SQUARE PERMALITE® INSIDE DIMENSION

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



### COLONIAL SQUARE CAP AND BASE FOR PERMALITE®

| Col. Size | C       | D      | E       | F     | J       | K      | L       | R      |
|-----------|---------|--------|---------|-------|---------|--------|---------|--------|
| 6"        | 8-1/8"  | 1-1/4" | 1-1/16" | 7/16" | 5/8"    | 1"     | 7-7/16" | 2-3/4" |
| 8"        | 10-1/8" | 1-1/4" | 1-1/16" | 7/16" | 1-5/16" | 1"     | 9-7/16" | 2-3/4" |
| 10"       | 12-1/8" | 1-1/4" | 1-1/16" | 7/16" | 1-5/16" | 1 1/4" | 12-1/8" | 2-3/4" |
| 12"       | 14-1/8" | 1-1/4" | 1-1/16" | 7/16" | 1"      | 1 3/8" | 14-1/8" | 2-3/4" |

• Neck moulding is 4 pieces included with the cap and base.

• See drawings on page 20.

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

## ROUND PERMALITE® NO-TAPER COLUMN DIMENSIONS

| Col. Size | A      | B      | C       | D      | E      | F    | J      | K      | L       | Lengths          |
|-----------|--------|--------|---------|--------|--------|------|--------|--------|---------|------------------|
| 8"        | 7-5/8" | 7-5/8" | 10-1/2" | 1-7/8" | 1-3/4" | 3/4" | 1-1/4" | 1-1/2" | 10-5/8" | 8', 9', 10'      |
| 10"       | 9-5/8" | 9-5/8" | 13-1/8" | 2-3/8" | 2-1/8" | 3/4" | 1-1/4" | 2"     | 12-3/4" | 8', 9', 10', 12' |

### ROUND PERMALITE® DIMENSIONS

Inside diameter may vary up to 1/8".

| COLUMN SIZE | ID     |
|-------------|--------|
| 8"          | 7-3/8" |
| 10"         | 9-3/8" |



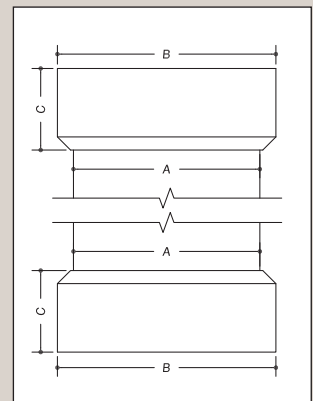
One Piece Neck Mould for 8" and 10" Round No-Taper Column Is Available.  
Neck Ring Sold Separately.

### BEVELED CAP & BASE SET

| Size | A       | B       | C      |
|------|---------|---------|--------|
| 6"   | 5-1/2"  | 7-5/8"  | 3-1/2" |
| 8"   | 7-1/2"  | 9-5/8"  | 3-1/2" |
| 10"  | 9-1/2"  | 11-5/8" | 5-1/2" |
| 12"  | 11-1/2" | 13-5/8" | 5-1/2" |

\*For Square PermaLite® Columns

See Installation Kit on page 19.



# SmartColumn®

**A NEW SEAMLESS FIBERGLASS SLEEVE  
FOR PRESSURE TREATED WOOD POSTS\***



## **FEATURES:**

- Easy installation! Installs 3.5 times faster than a typical site-built column.
- Limited Lifetime Warranty for peace of mind.
- Superior aesthetics compared to a site-built column.
- SmartColumn® = The Smart Choice

## **WHAT YOU NEED TO KNOW:**

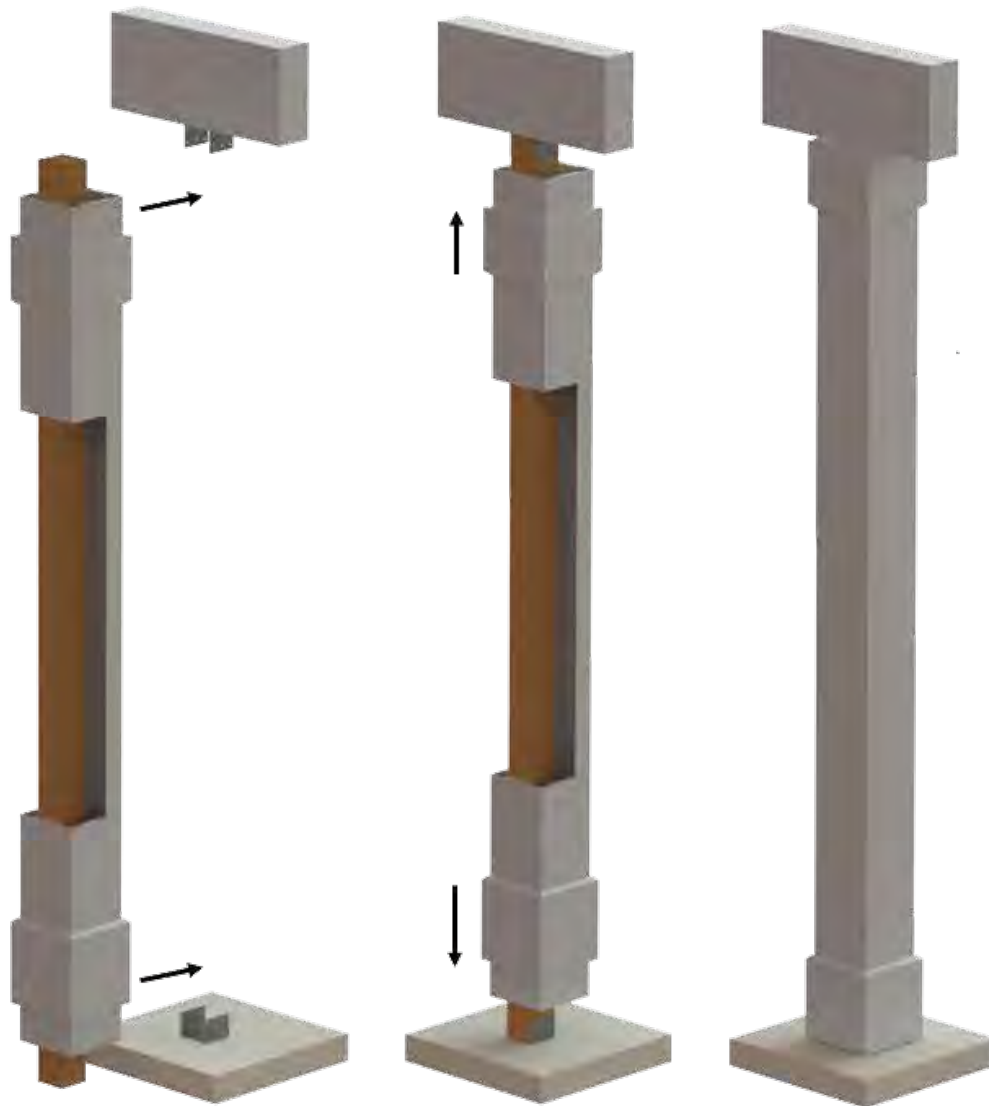
- Structural post and installation brackets are not included
- Order by rough opening size. The column shaft itself is designed to be 12" shorter than the rough opening.
- Capital and base attached to the column shaft conceal all hardware and post once installed.



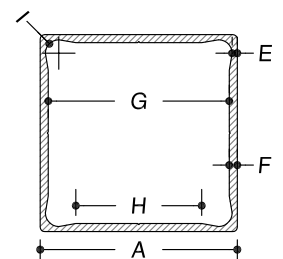
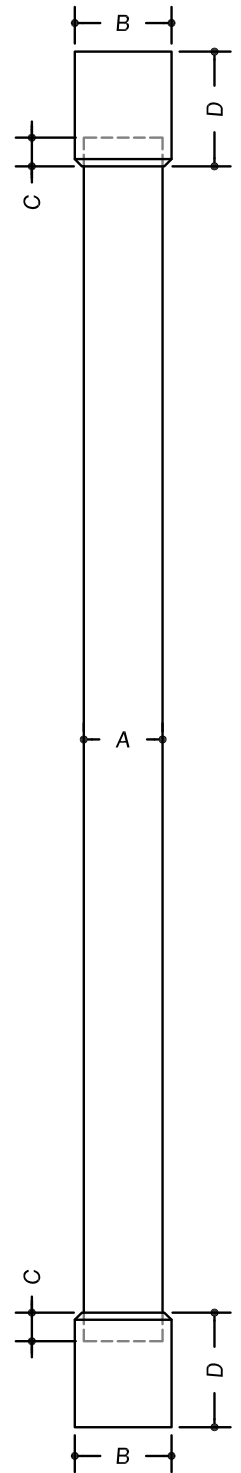
## PLAIN AND SQUARE SMART COLUMN DIMENSIONS (IN INCHES)

| Col. Size | A      | B       | C  | D  | E     | F    | G       | H      | I    | Lengths Avail. (ft.) |
|-----------|--------|---------|----|----|-------|------|---------|--------|------|----------------------|
| 6"        | 5-1/2" | 6-3/4"  | 2" | 8" | 1/8"  | 1/4" | 5-1/16" | 3-1/2" | 3/8" | 7, 8, 9              |
| 8"        | 7-1/2" | 8-3/4"  | 2" | 8" | 3/16" | 1/4" | 7"      | 3-1/2" | 3/8" | 7, 8, 9              |
| 10"       | 9-1/2" | 10-3/4" | 2" | 8" | 3/16" | 1/4" | 9"      | 3-1/2" | 3/8" | 7, 8, 9              |

\* SmartColumns® include SIM cap and base.



\*Pressure treated post not included



# RigidWrap® Columns

- 25 year limited warranty\*
- Made from cellular PVC
- Load bearing
- Wind uplift resistant
- Insect proof
- Weather proof
- Low maintenance
- Indoor and outdoor use



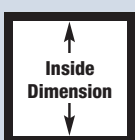
RigidWrap® is a fully assembled cPVC column with an internal aluminum post. The aluminum post makes a RigidWrap® column load bearing. Brackets and hardware are included with the product. The brackets attach the aluminum post to the floor and beam/header. This secure connection delivers wind uplift resistance.

## PLAIN COLUMN DIMENSIONS (IN INCHES)

| Col Width | A                                | C                                | G                               | L                                | R  | U  | Lengths     |
|-----------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|----|----|-------------|
| 6"        | 5 <sup>7</sup> / <sub>8</sub> "  | 7 <sup>1</sup> / <sub>4</sub> "  | 1 <sup>1</sup> / <sub>8</sub> " | 7 <sup>1</sup> / <sub>4</sub> "  | 9" | 7" | 8', 9', 10' |
| 8"        | 7 <sup>7</sup> / <sub>8</sub> "  | 9 <sup>1</sup> / <sub>4</sub> "  | 1 <sup>1</sup> / <sub>8</sub> " | 9 <sup>1</sup> / <sub>4</sub> "  | 9" | 7" | 8', 9', 10' |
| 10"       | 9 <sup>7</sup> / <sub>8</sub> "  | 11 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 11 <sup>1</sup> / <sub>4</sub> " | 9" | 7" | 8', 9', 10' |
| 12"       | 11 <sup>7</sup> / <sub>8</sub> " | 13 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 13 <sup>1</sup> / <sub>4</sub> " | 9" | 7" | 8', 9', 10' |

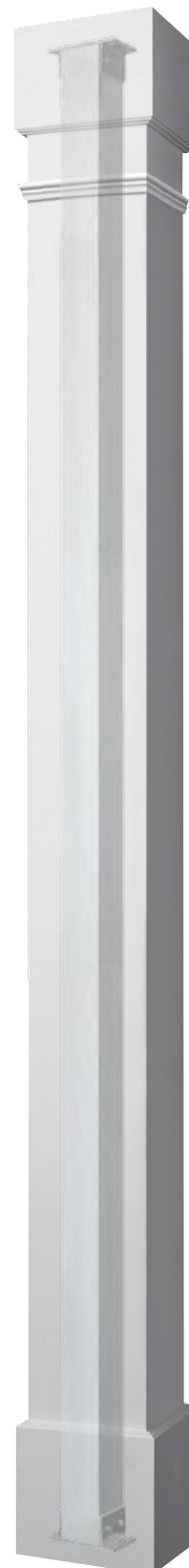
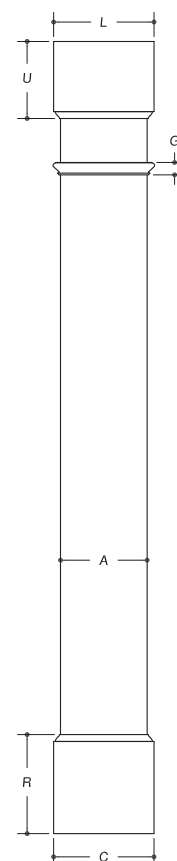
## INSIDE DIMENSIONS

|     |                                  |
|-----|----------------------------------|
| 6"  | 5 <sup>1</sup> / <sub>8</sub> "  |
| 8"  | 7 <sup>1</sup> / <sub>8</sub> "  |
| 10" | 9 <sup>1</sup> / <sub>8</sub> "  |
| 12" | 11 <sup>1</sup> / <sub>8</sub> " |



NOTE: Follow cPVC painting instructions on page 25.  
• 3/8" Material Thickness

\*See Warranty

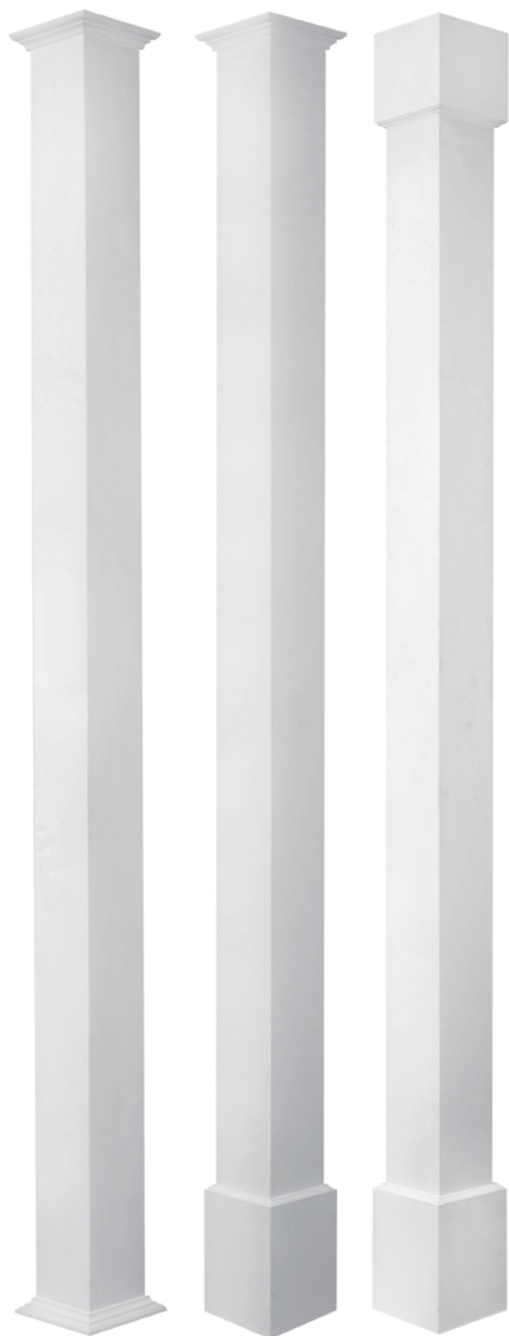




# PermaSnap™ Column Wrap

Transform a treated post into a finished column in minutes with PermaSnap™. PermaSnap™ column wrap's patented snap design permits easy installation by one person. It can also be used as a newel post wrap.

- 25 Year Limited Warranty\*
- Weather Proof
- Insect Proof
- Low Maintenance
- Made from cPVC
- Easy Installation



Bed Mould\*

Hampton

Chesapeake

NOTE: Follow cPVC painting instructions on page 25.

• Glue sold separately

\*See Warranty

## PermaSnap™ Column Wrap Technical Specifications

| Product Description | Column Wrap Will Fit |
|---------------------|----------------------|
| 4" x 4" x 8'-6"     | 4" x 4" Post         |
| 4" x 4" x 10'-0"    | 4" x 4" Post         |
| 6" x 6" x 8'-6"     | 6" x 6" Post         |
| 6" x 6" x 10'-0"    | 6" x 6" Post         |
| 8" x 8" x 8'-6"     | 8" x 8" Post         |
| 8" x 8" x 10'-0"    | 8" x 8" Post         |
| 10" x 10" x 8'-6"   | 10" x 10" Post       |
| 10" x 10" x 10'-0"  | 10" x 10" Post       |

\*There may be a variance of up to 1/4" in all dimensions.



## PermaSnap™ Accessories

### Sizes Available

|                      |                  |
|----------------------|------------------|
| Bed Mould Trim Kit*  | 4, 6, 8, and 10" |
| Hampton Trim Kit     | 4, 6, 8, and 10" |
| Chesapeake Trim Kit  | 4, 6, 8, and 10" |
| Bed Mould XL         | 4, 6, 8, and 10" |
| Neck Mould           | 4, 6, 8, and 10" |
| Charleston Newel Cap | 4"               |
| Wilmington Newel Cap | 4"               |
| Ashbury Newel Cap    | 6"               |

\*Bed Mould Trim Kit is needed for both ends  
NOTE: Accessories sold separately.

Neck  
Mould



Charleston 4" Newel Cap



Wilmington 4" Newel Cap



Ashbury 6" Newel Cap

# PERMAWrap® Columns

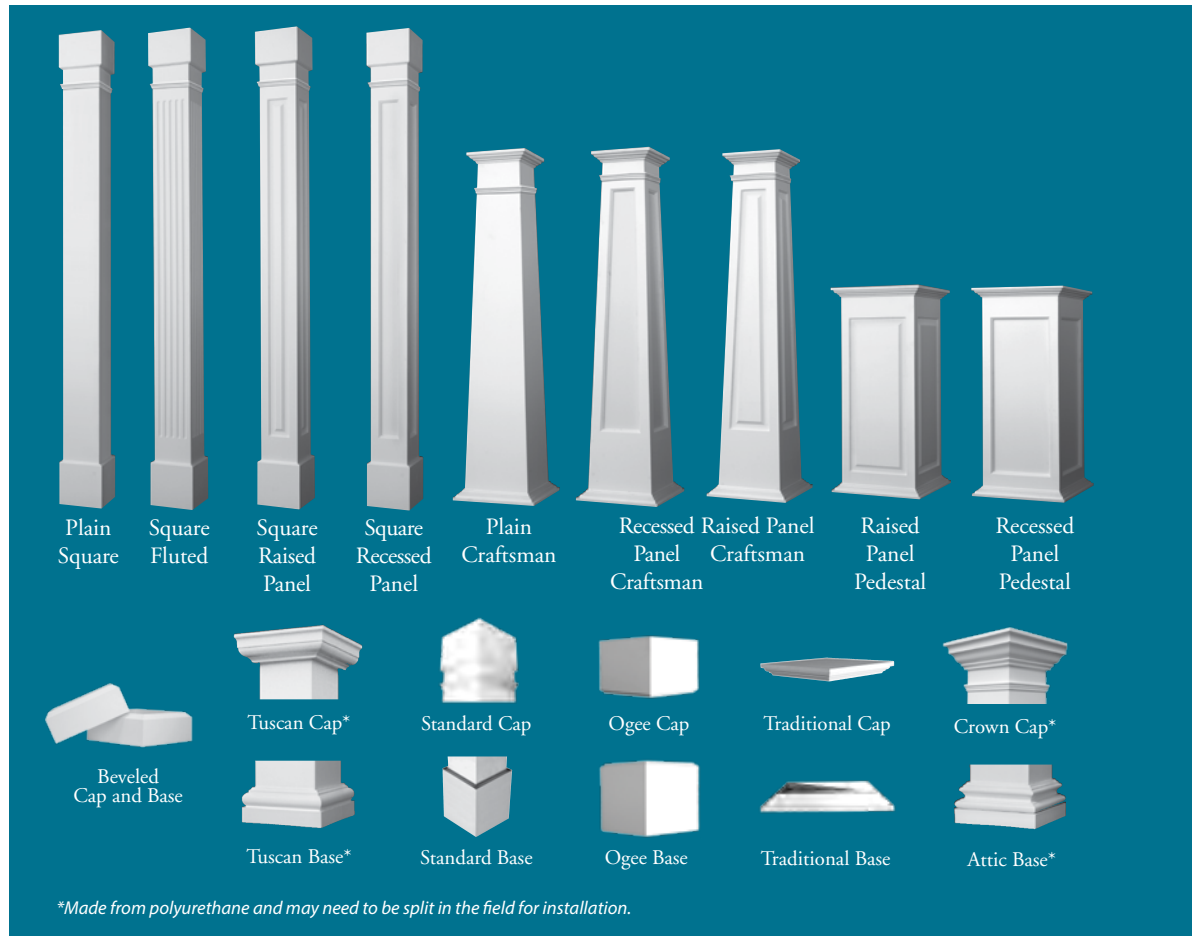
- 25 year limited warranty\*
- Custom styles available
- Made from cellular PVC
- Installation kit included
- Interior and exterior use
- Weather proof
- Insect proof
- Low maintenance

Leading the industry in column innovation, HB&G PermaWrap® columns are made from cellular PVC which offers the advantages of being unaffected by moisture and insects but has 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.

\*See Warranty



12" PermaWrap® Column

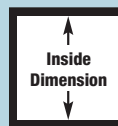


## PLAIN PERMAWRAP® WITH STANDARD CAP & BASE DIMENSIONS (IN INCHES)

| Col Width | A                                | C                                | G  | L                                | R   | U  | Lengths              |
|-----------|----------------------------------|----------------------------------|----|----------------------------------|-----|----|----------------------|
| 6"        | 5 <sup>7</sup> / <sub>8</sub> "  | 6 <sup>3</sup> / <sub>4</sub> "  | 1" | 6 <sup>3</sup> / <sub>4</sub> "  | 12" | 6" | 6', 8', 9', 10', 12' |
| 8"        | 7 <sup>7</sup> / <sub>8</sub> "  | 8 <sup>3</sup> / <sub>4</sub> "  | 1" | 8 <sup>3</sup> / <sub>4</sub> "  | 12" | 6" | 6', 8', 9', 10', 12' |
| 10"       | 9 <sup>7</sup> / <sub>8</sub> "  | 10 <sup>3</sup> / <sub>4</sub> " | 1" | 10 <sup>3</sup> / <sub>4</sub> " | 12" | 6" | 6', 8', 9', 10', 12' |
| 12"       | 11 <sup>7</sup> / <sub>8</sub> " | 12 <sup>3</sup> / <sub>4</sub> " | 1" | 12 <sup>3</sup> / <sub>4</sub> " | 12" | 6" | 6', 8', 9', 10', 12' |

### INSIDE DIMENSIONS

|     |                                  |
|-----|----------------------------------|
| 6"  | 5 <sup>1</sup> / <sub>8</sub> "  |
| 8"  | 7 <sup>1</sup> / <sub>8</sub> "  |
| 10" | 9 <sup>1</sup> / <sub>8</sub> "  |
| 12" | 11 <sup>1</sup> / <sub>8</sub> " |



Ogee cap and base available. Structural options available.

• STD cap and base= 3/8" material.

## PERMAWRAP® PLAIN, FLUTED, RECESSED PANEL, AND RAISED PANEL WITH OGEE CAP & BASE DIMENSIONS (IN INCHES)

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

### NUMBER OF FLUTES PER SIDE

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

### INSIDE DIMENSIONS\*

|     |                                  |
|-----|----------------------------------|
| 6"  | 4 <sup>1</sup> / <sub>8</sub> "  |
| 8"  | 6 <sup>1</sup> / <sub>8</sub> "  |
| 10" | 8 <sup>1</sup> / <sub>8</sub> "  |
| 12" | 10 <sup>1</sup> / <sub>8</sub> " |

\*Recessed Panel

\*Ogee cap and base = 5/8" material.

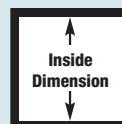
Rail breaks are 7" long and designed to fit 36" or 42" rail heights.

\*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.



## PERMAWRAP® PLAIN, RECESSED, AND RAISED PANEL CRAFTSMAN DIMENSIONS (IN INCHES)

| Col Width | A                                | B                                | C                                | G                               | L                                | N  | O  | S                               | R  | U  | Lengths                                       |
|-----------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|----|----|---------------------------------|----|----|---|
| 10" x 6"  | 9 <sup>7</sup> / <sub>8</sub> "  | 5 <sup>7</sup> / <sub>8</sub> "  | 12 <sup>7</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 8 <sup>7</sup> / <sub>8</sub> "  | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 48", 54", 60", 66", 72", 84", 96", 108", 120" |
| 12" x 8"  | 11 <sup>7</sup> / <sub>8</sub> " | 7 <sup>7</sup> / <sub>8</sub> "  | 14 <sup>7</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 10 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 48", 54", 60", 66", 72", 84", 96", 108", 120" |
| 16" x 10" | 15 <sup>7</sup> / <sub>8</sub> " | 9 <sup>7</sup> / <sub>8</sub> "  | 18 <sup>7</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 12 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 48", 54", 60", 66", 72", 84", 96", 108", 120" |
| 20" x 15" | 19 <sup>7</sup> / <sub>8</sub> " | 14 <sup>7</sup> / <sub>8</sub> " | 22 <sup>7</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 17 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 48", 54", 60", 66", 72", 84", 96", 108", 120" |
| 24" x 16" | 23 <sup>7</sup> / <sub>8</sub> " | 15 <sup>7</sup> / <sub>8</sub> " | 26 <sup>7</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 18 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 48", 54", 60", 66", 72", 84", 96", 108", 120" |

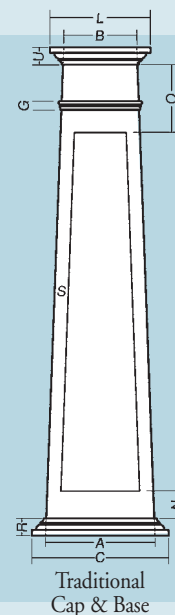
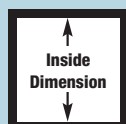
Additional sizes are available from 5" to 24" wide and 2' to 20' in length.

### PLAIN PANEL INSIDE DIMENSIONS

|           | Bottom                           | Top                              |
|-----------|----------------------------------|----------------------------------|
| 10" x 6"  | 8 <sup>7</sup> / <sub>8</sub> "  | 4 <sup>7</sup> / <sub>8</sub> "  |
| 12" x 8"  | 10 <sup>7</sup> / <sub>8</sub> " | 6 <sup>7</sup> / <sub>8</sub> "  |
| 16" x 10" | 14 <sup>7</sup> / <sub>8</sub> " | 8 <sup>7</sup> / <sub>8</sub> "  |
| 20" x 15" | 18 <sup>7</sup> / <sub>8</sub> " | 13 <sup>7</sup> / <sub>8</sub> " |
| 24" x 16" | 22 <sup>7</sup> / <sub>8</sub> " | 14 <sup>7</sup> / <sub>8</sub> " |

### RECESSED PANEL INSIDE DIMENSIONS

|           | Bottom                           | Top                              |
|-----------|----------------------------------|----------------------------------|
| 10" x 6"  | 7 <sup>7</sup> / <sub>8</sub> "  | 3 <sup>7</sup> / <sub>8</sub> "  |
| 12" x 8"  | 9 <sup>7</sup> / <sub>8</sub> "  | 5 <sup>7</sup> / <sub>8</sub> "  |
| 16" x 10" | 13 <sup>7</sup> / <sub>8</sub> " | 7 <sup>7</sup> / <sub>8</sub> "  |
| 20" x 15" | 17 <sup>7</sup> / <sub>8</sub> " | 12 <sup>7</sup> / <sub>8</sub> " |
| 24" x 16" | 21 <sup>7</sup> / <sub>8</sub> " | 13 <sup>7</sup> / <sub>8</sub> " |



## PERMAWRAP® PEDESTAL DIMENSIONS (IN INCHES)

| Col Width | A                                | C                                | L                                | N  | O  | S                               | R  | U  | Lengths  |
|-----------|----------------------------------|----------------------------------|----------------------------------|----|----|---------------------------------|----|----|----------|
| 12"       | 11 <sup>7</sup> / <sub>8</sub> " | 14 <sup>7</sup> / <sub>8</sub> " | 14 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 40", 46" |
| 16"       | 15 <sup>7</sup> / <sub>8</sub> " | 18 <sup>7</sup> / <sub>8</sub> " | 18 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 40", 46" |
| 20"       | 19 <sup>7</sup> / <sub>8</sub> " | 22 <sup>7</sup> / <sub>8</sub> " | 22 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 40", 46" |
| 24"       | 23 <sup>7</sup> / <sub>8</sub> " | 26 <sup>7</sup> / <sub>8</sub> " | 26 <sup>7</sup> / <sub>8</sub> " | 6" | 6" | 1 <sup>3</sup> / <sub>4</sub> " | 2" | 2" | 40", 46" |

Additional sizes are available.

### INSIDE DIMENSIONS\*

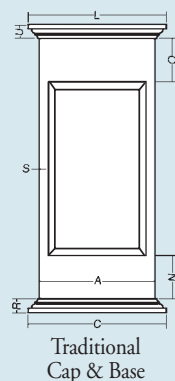
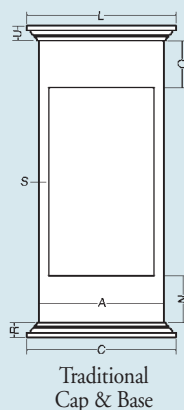
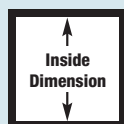
|     |                                  |
|-----|----------------------------------|
| 12" | 10 <sup>7</sup> / <sub>8</sub> " |
| 16" | 14 <sup>7</sup> / <sub>8</sub> " |
| 20" | 18 <sup>7</sup> / <sub>8</sub> " |
| 24" | 22 <sup>7</sup> / <sub>8</sub> " |

\*Plain

### INSIDE DIMENSIONS\*

|     |                                  |
|-----|----------------------------------|
| 12" | 9 <sup>7</sup> / <sub>8</sub> "  |
| 16" | 13 <sup>7</sup> / <sub>8</sub> " |
| 20" | 17 <sup>7</sup> / <sub>8</sub> " |
| 24" | 21 <sup>7</sup> / <sub>8</sub> " |

\*Recessed Panel



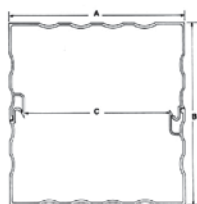
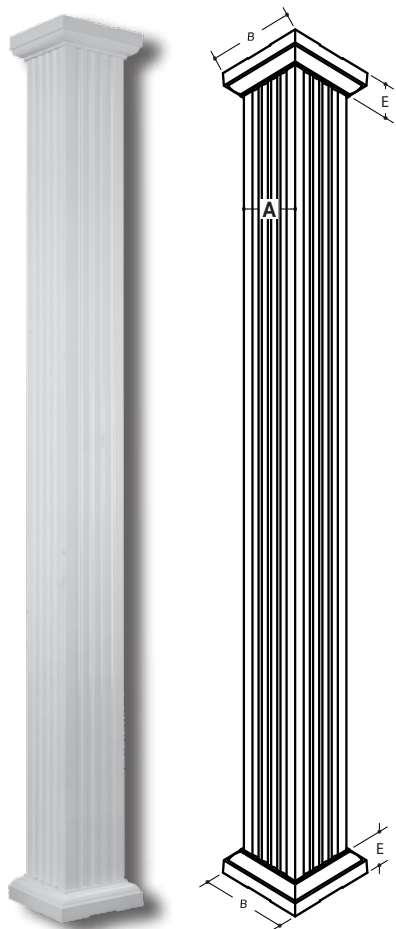
## CPVC PAINTING AND FINISHING

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 bonding 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).

# TRADITIONAL SQUARE ALUMINUM COLUMNS

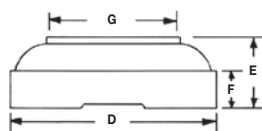
• Pre-Finished • Load Bearing • Low Maintenance • Available in Fluted, Recessed Panel, or Plain



4", 6", and 8" columns have two staves each.



10" Columns have four staves each.



Standard Cast Aluminum Cap and Base

WHITE SQUARE FLUTED COLUMN DIMENSIONS

| Col. Size | # of Staves | A      | B      | C      |
|-----------|-------------|--------|--------|--------|
| 4"        | 2           | 4-1/4" | 4-1/4" | 3-3/8" |
| 6"        | 2           | 5-1/2" | 5-1/2" | 4-5/8" |
| 8"        | 2           | 7-1/2" | 7-1/2" | 6-5/8" |
| 10"       | 4           | 9-3/8" | 9-3/8" | 8-1/2" |

AVAILABLE SIZES

|          |          |          |           |
|----------|----------|----------|-----------|
| 4" x 8'  | 6" x 8'  | 8" x 8'  | 10" x 8'  |
| 4" x 10' | 6" x 9'  | 8" x 9'  | 10" x 9'  |
|          | 6" x 10' | 8" x 10' | 10" x 10' |

CAP AND BASE DIMENSIONS

| Col. Size | D       | E      | F      | G      |
|-----------|---------|--------|--------|--------|
| 4"        | 6-1/4"  | 1-7/8" | 1"     | 4-3/8" |
| 6"        | 8-1/4"  | 2-3/4" | 1-1/2" | 5-5/8" |
| 8"        | 10-1/2" | 2-3/4" | 1-1/2" | 7-5/8" |
| 10"       | 12-1/4" | 3"     | 1-5/8" | 9-7/8" |

## WHITE FLUTED ROUND ALUMINUM COLUMN

Round fluted aluminum columns are no-taper and have been designed to provide a lifetime of structural integrity. Columns are pre-finished and load bearing.

AVAILABLE SIZES

|           |
|-----------|
| 6" x 8'   |
| 6" x 9'   |
| 6" x 10'  |
| 8" x 8'   |
| 8" x 9'   |
| 8" x 10'  |
| 10" x 8'  |
| 10" x 9'  |
| 10" x 10' |

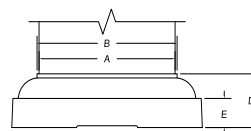
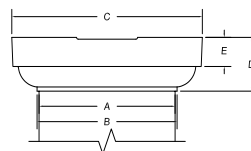
STANDARD CAPS AND BASES

(Dimensions in inches on columns and bases)

| Col. Dia. | A       | B      | C       | D        | E       |
|-----------|---------|--------|---------|----------|---------|
| 6"        | 5-3/4"  | 6-1/8" | 7-1/2"  | 2-1/8"   | 1-1/16" |
| 8"        | 7-3/4"  | 8-1/4" | 10"     | 2-11/16" | 1-1/4"  |
| 10"       | 9-9/16" | 10"    | 12-1/2" | 3-3/8"   | 1-5/8"  |

DIMENSION DATA (IN INCHES)

| Col. Dia. | # Staves in Whole Column | # Staves in 1/2 Column | Column O.D. | Column I.D. |
|-----------|--------------------------|------------------------|-------------|-------------|
| 6"        | 3                        | 2                      | 5-3/4"      | 4-15/16"    |
| 8"        | 3                        | 2                      | 7-3/4"      | 7"          |
| 10"       | 4                        | 2                      | 9-9/16"     | 8-3/4"      |



STD. CAP & BASE

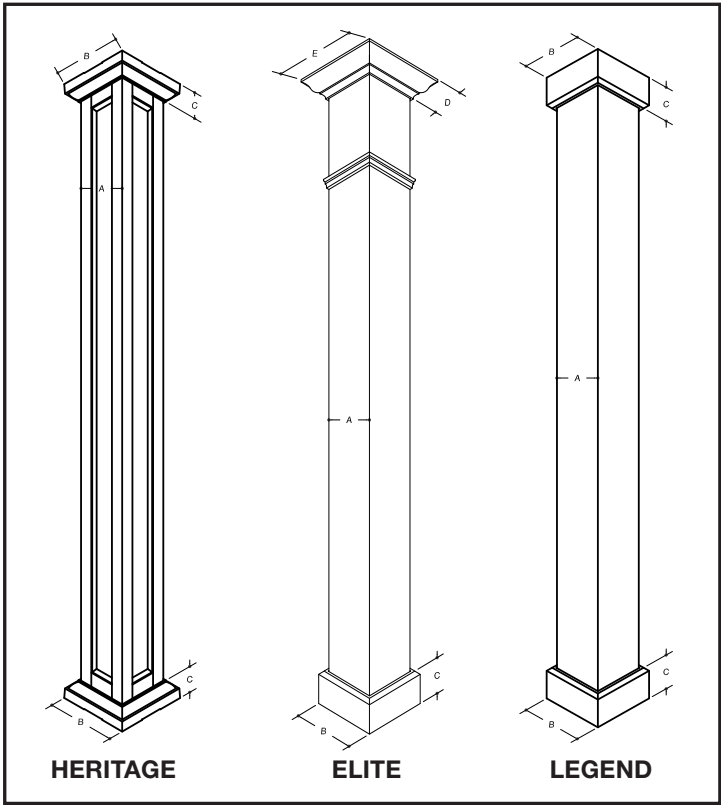


INSTALLATION KIT





# Heritage, Legend, and Elite Square Aluminum Columns



| WHITE RECESSED PANEL HERITAGE COLUMN |              |        |         |        |            |
|--------------------------------------|--------------|--------|---------|--------|------------|
| Nominal Size                         | STD. Lengths | A      | B       | C      |            |
| 6"                                   | 8', 9', 10'  | 5-1/2" | 8-1/2"  | 2-3/4" |            |
| 8"                                   | 8', 9', 10'  | 7-1/2" | 10-1/2" | 2-3/4" |            |
| TEXTURED PLAIN ELITE COLUMN          |              |        |         |        |            |
| Nominal Size                         | STD. Lengths | A      | B       | C      | D E        |
| 6"                                   | 8', 9', 10'  | 5-1/2" | 7-1/4"  | 5"     | 3" 10-1/2" |
| 8"                                   | 8', 9', 10'  | 7-1/2" | 9-1/4"  | 5"     | 3" 12-1/2" |
| TEXTURED PLAIN LEGEND COLUMN         |              |        |         |        |            |
| Nominal Size                         | STD. Lengths | A      | B       | C      |            |
| 6"                                   | 8', 9', 10'  | 5-1/2" | 7-1/4"  | 5"     |            |
| 8"                                   | 8', 9', 10'  | 7-1/2" | 9-1/4"  | 5"     |            |



# ROUND WOOD COLUMNS

## COLUMN DIMENSIONS WITH STANDARD CAP AND BASE (IN INCHES)

| COL. SIZE | A                  | B                 | C                  | D                 | E                 | F                | G                | J                  | K                  | L                  | O                 | N  | R                  | T  | LENGTHS AVAIL. (ft) |
|-----------|--------------------|-------------------|--------------------|-------------------|-------------------|------------------|------------------|--------------------|--------------------|--------------------|-------------------|----|--------------------|----|---------------------|
| 6"        | 5 $\frac{5}{8}$ "  | 4 $\frac{7}{8}$ " | 7 $\frac{1}{4}$ "  | 1 $\frac{3}{4}$ " | 1 $\frac{1}{4}$ " | $\frac{3}{16}$ " | $\frac{1}{16}$ " | 1 $\frac{1}{16}$ " | 1 $\frac{1}{16}$ " | 7"                 | 4 $\frac{1}{2}$ " | 8" | 3 $\frac{1}{16}$ " | 2" | 8,10                |
| 8"        | 7"                 | 6 $\frac{1}{4}$ " | 9 $\frac{1}{4}$ "  | 1 $\frac{1}{2}$ " | 1 $\frac{1}{4}$ " | $\frac{3}{4}$ "  | $\frac{1}{16}$ " | 1 $\frac{1}{4}$ "  | 1 $\frac{1}{4}$ "  | 8 $\frac{7}{8}$ "  | 4 $\frac{1}{2}$ " | 8" | 3 $\frac{3}{4}$ "  | 2" | 8,10,12             |
| 10"       | 9"                 | 8 $\frac{3}{4}$ " | 11 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 1 $\frac{1}{4}$ " | $\frac{3}{4}$ "  | $\frac{1}{16}$ " | 1 $\frac{1}{4}$ "  | 1 $\frac{1}{16}$ " | 10 $\frac{1}{2}$ " | 4 $\frac{1}{2}$ " | 8" | 3 $\frac{3}{4}$ "  | 2" | 8,10,12             |
| 12"       | 11 $\frac{7}{8}$ " | 9 $\frac{3}{8}$ " | 13 $\frac{1}{8}$ " | 1 $\frac{3}{8}$ " | 1 $\frac{1}{4}$ " | $\frac{7}{8}$ "  | $\frac{1}{16}$ " | 1 $\frac{3}{4}$ "  | 1 $\frac{3}{8}$ "  | 12"                | 4 $\frac{1}{2}$ " | 8" | 3 $\frac{3}{8}$ "  | 2" | 8, 10, 12           |

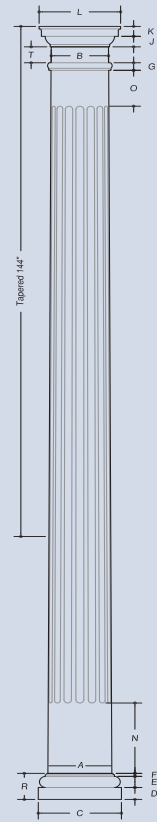
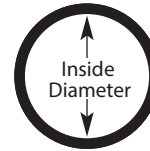
Larger sizes available. Call for quote.

## ROUND WOOD INSIDE DIMENSIONS

Inside diameter may vary up to  $\frac{1}{4}$ ".

Splitting a column will decrease inside dimension  $\frac{1}{8}$ ".

| COL. DIA. | TOP I.D.            | BOT I.D.            |
|-----------|---------------------|---------------------|
| 6"        | 3 $\frac{5}{32}$ "  | 3 $\frac{5}{32}$ "  |
| 8"        | 4 $\frac{3}{4}$ "   | 4 $\frac{3}{4}$ "   |
| 10"       | 6 $\frac{25}{32}$ " | 6 $\frac{25}{32}$ " |
| 12"       | 7 $\frac{29}{32}$ " | 7 $\frac{29}{32}$ " |



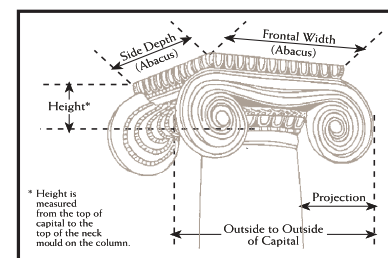
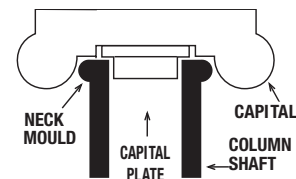
## CAPITALS AND BASES FOR WOOD COLUMNS

### DECORATIVE CAPITAL DIMENSIONS FOR ROUND COLUMNS (IN INCHES)

| Size of Columns<br>(Diameter at bottom of shaft) |            | 8"                  | 10"                  | 12"                  |
|--|------------|---------------------|----------------------|----------------------|
| Roman Ionic                                      | Height     | 3 $\frac{15}{16}$ " | 4"                   | 4 $\frac{5}{8}$ "    |
|  | Abacus     | 8 $\frac{1}{8}$ "   | 10 $\frac{3}{4}$ "   | 12 $\frac{1}{2}$ "   |
|  | Projection | 3 $\frac{3}{8}$ "   | 4 $\frac{1}{8}$ "    | 5"                   |
|  | O/S to O/S | 10 $\frac{1}{2}$ "  | 13 $\frac{9}{16}$ "  | 16 $\frac{1}{2}$ "   |
| Greek Ionic                                      | Height     | 4 $\frac{1}{8}$ "   | 5 $\frac{5}{8}$ "    | 6 $\frac{9}{16}$ "   |
|  | Abacus     | 7 $\frac{15}{16}$ " | 10 $\frac{11}{16}$ " | 14 $\frac{3}{8}$ "   |
|  | Projection | 3 $\frac{3}{8}$ "   | 5"                   | 7 $\frac{1}{2}$ "    |
|  | O/S to O/S | 11 $\frac{7}{8}$ "  | 14 $\frac{15}{16}$ " | 20 $\frac{11}{16}$ " |
| Temple of the Winds                              | Height     | 8"                  | 10 $\frac{5}{16}$ "  | 11 $\frac{5}{8}$ "   |
|  | Abacus     | 11 $\frac{7}{8}$ "  | 13 $\frac{7}{16}$ "  | 16 $\frac{9}{16}$ "  |
|  | Projection | 5 $\frac{1}{2}$ "   | 6"                   | 7"                   |
|  | O/S to O/S | 11 $\frac{7}{8}$ "  | 13 $\frac{7}{16}$ "  | 16 $\frac{9}{16}$ "  |
| Roman Corinthian                                 | Height     | 8 $\frac{11}{16}$ " | 11 $\frac{15}{16}$ " | 14 $\frac{5}{8}$ "   |
|  | Abacus     | 12 $\frac{1}{16}$ " | 14 $\frac{3}{8}$ "   | 18 $\frac{7}{8}$ "   |
|  | Projection | 4 $\frac{1}{4}$ "   | 6 $\frac{1}{4}$ "    | 8 $\frac{1}{4}$ "    |
|  | O/S to O/S | 12 $\frac{1}{16}$ " | 14 $\frac{5}{8}$ "   | 18 $\frac{7}{8}$ "   |
| Scamozzi   | Height     | 3 $\frac{1}{8}$ "   | 4 $\frac{1}{8}$ "    | 5 $\frac{1}{16}$ "   |
|  | Abacus     | 9 $\frac{7}{8}$ "   | 14 $\frac{1}{4}$ "   | 16 $\frac{3}{8}$ "   |
|  | Projection | 3 $\frac{3}{8}$ "   | 5 $\frac{3}{8}$ "    | 6"                   |
|  | O/S to O/S | 10"                 | 14 $\frac{1}{4}$ "   | 16 $\frac{3}{8}$ "   |

### 8" - 12" LOAD BEARING DECORATIVE CAPITALS FOR ROUND WOOD COLUMNS

Adding a load bearing decorative 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 decorative capital +/-  $\frac{1}{4}$ " for overall column height.



• 8"-12" Round Decorative Capitals are load bearing.

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

#### DECORATIVE CAPITALS

Five styles of decorative capitals are available. Nothing makes a statement like wood columns with a decorative capital. 8"-12" decorative capitals for Round wood columns are load bearing.

Using a decorative 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. (In the chart, see DD for the plinth dimension and EE for the torus dimension.)

#### TIPS

When ordering an decorative cap order the appropriate base for the column.

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

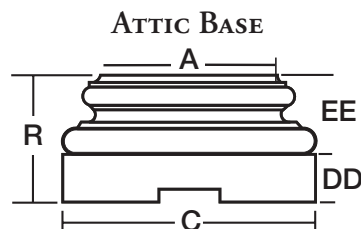
Ensure exact opening measurement prior to ordering column length.

#### 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 insulating the column from the elements.
- Split columns are not load bearing.
- Store columns in a 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 and must be painted.
- Wood columns require ventilation at the top and bottom.
- Failure to adhere to installation instructions voids the warranty.

## CAPITAL AND BASE OPTIONS

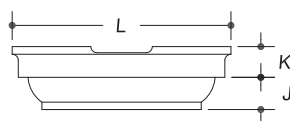
The same cap and base profiles offered in PermaCast® are also available for wood.



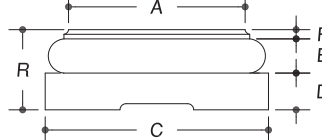
For columns 8" to 12" in diameter, bases, including plinth, are Polyurethane.

| Column Size | Bottom DIA. (NET) | Round Base |        |        |        |
|-------------|-------------------|------------|--------|--------|--------|
|             | A                 | C          | DD     | EE     | R      |
| 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"        | 3"     | 4-5/8" | 7-1/2" |

#### STANDARD POLY CAP



#### STANDARD POLY BASE



#### STANDARD POLY CAP DIMENSIONS

| Size | J      | K      | L      |
|------|--------|--------|--------|
| 6"   | 1-5/16 | 1-5/16 | 7      |
| 8"   | 1-1/4  | 1-1/4  | 8-7/8  |
| 10"  | 1-1/4  | 1-5/16 | 10-1/2 |
| 12"  | 1-3/4  | 1-3/8  | 12     |

#### STANDARD POLY BASE DIMENSIONS

| Size | A      | C      | D     | E     | F    | R      |
|------|--------|--------|-------|-------|------|--------|
| 6"   | 5-5/8  | 7-1/4  | 1-3/8 | 1-1/4 | 9/16 | 3-3/16 |
| 8"   | 7      | 9-1/4  | 1-1/2 | 1-1/4 | 3/4  | 3-1/4  |
| 10"  | 9      | 11-1/4 | 1-1/2 | 1-1/4 | 3/4  | 3-1/4  |
| 12"  | 11-5/8 | 13-1/8 | 1-3/8 | 1-1/4 | 7/8  | 3-1/8  |

#### CUSTOM SPLITTING OPTIONS





The Square PermaPost® is made from low maintenance PVC and is pre-finished with a white capstock. HB&G's Colonial and Chamfered PermaPost® are made from a low maintenance polyethylene and are pre-finished

white and should not be painted. For a warm and inviting decorative look for your front porch, choose from either the 5" or 6" Colonial PermaPost®, the 5" Square PermaPost®, or the 6" Chamfered PermaPost®.

## PermaPost®

## Perma Lamp Posts

5" or 6" Colonial PermaPost®

5" Square PermaPost®

6" Chamfered PermaPost®

Colonial Lamp Post

Chamfered Lamp Post

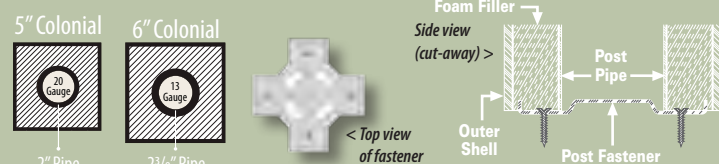
The Perma Lamp Post is an attractive way to light a drive or garden area. The pipe in the center is designed to allow a wire to be easily installed. The 2<sup>7</sup>/<sub>8</sub>" pipe fits most outdoor lamp fixtures.

| Post Size                  | Width     | Turned Area | Base Height | Length (in feet) | Top Portion (Square Top) |
|----------------------------|-----------|-------------|-------------|------------------|--------------------------|
| <b>COLONIAL POSTS</b>      |           |             |             |                  |                          |
| 5" x 5"                    | 4"        | 38½"        | 41½"        | 8'               | 16¼"                     |
| 5" x 5"                    | 4"        | 38½"        | 45¼"        | 9'               | 24½"                     |
| 6" x 6"                    | 5"        | 38½"        | 41½"        | 8'               | 16¼"                     |
| 6" x 6"                    | 5"        | 38½"        | 45¼"        | 9'               | 24½"                     |
| <b>SQUARE POSTS</b>        |           |             |             |                  |                          |
| 5" x 5"                    | 4¼"       | N/A         | N/A         | 8'               | N/A                      |
| 5" x 5"                    | 4¼"       | N/A         | N/A         | 9'               | N/A                      |
| 5" x 5"                    | 4¼"       | N/A         | N/A         | 10'              | N/A                      |
| <b>CHAMFERED POST</b>      |           |             |             |                  |                          |
| 6" x 6"                    | 3½" & 5½" | N/A         | 46¼"        | 8'               | 4½"                      |
| <b>COLONIAL LAMP POST</b>  |           |             |             |                  |                          |
| 6" x 6"                    | 3½" & 5½" | 38"         | 51"         | 7' 6½"           | N/A                      |
| <b>CHAMFERED LAMP POST</b> |           |             |             |                  |                          |
| 6" x 6"                    | 3½" & 5½" | N/A         | 46¼"        | 8'               | 4½"                      |

*Measurements in inches unless otherwise noted.  
There may be a variance of up to 1/4" in all dimensions.  
\*Loadbearing capacity is dependent on the concentric loading of the post.  
NOTE: All sizes are nominal.*

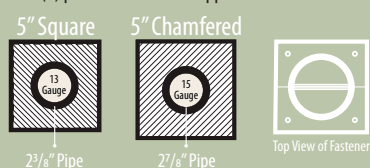
### Colonial Post

Two (2) post fasteners are shipped with each Colonial post.



### Square Post

Two (2) post fasteners are shipped with each Colonial post.



## Porch-Loc®

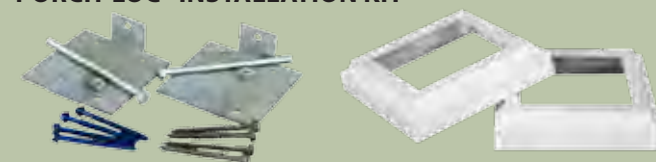
- Adds wind uplift resistance
- Porch-Loc® secures structural Colonial and Square PermaPost® to floor and beam/header
- Easy installation
- Durable skirts included

### Wind Uplift Resistant Installation Brackets

| Size        | Dimension |
|-------------|-----------|
| 5" Colonial | 4"        |
| 6" Colonial | 5"        |
| 5" Square   | 4-1/4"    |

Skirts and hardware included

### PORCH-LOC® INSTALLATION KIT



# Description

Dimensions are nominal and may vary slightly.

- 5" Colonial PermaPosts and Perma Lamp Posts are net 4".
- 6" Colonial PermaPosts are net 5".

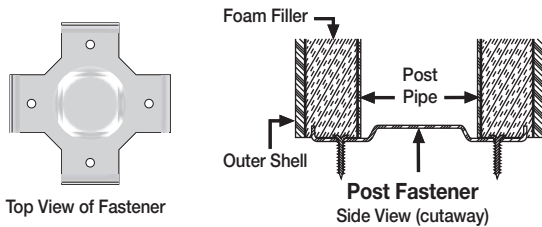
Chamfered PermaPosts and Perma Lamp Posts are net 3-1/2" (top) and 5-1/2" (bottom)

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

## FASTENING SYSTEMS

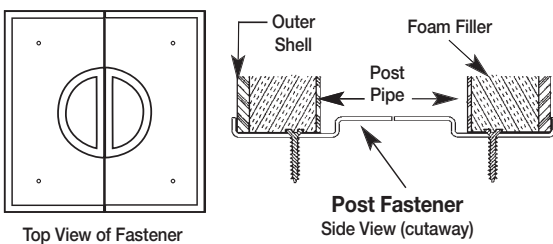
### COLONIAL POST

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



### SQUARE POST

Two (2) Post Fasteners are shipped inside each post.

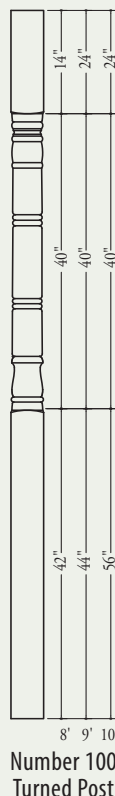


## WOOD PORCH POSTS

### NUMBER 100 TURNED WOOD POST\*

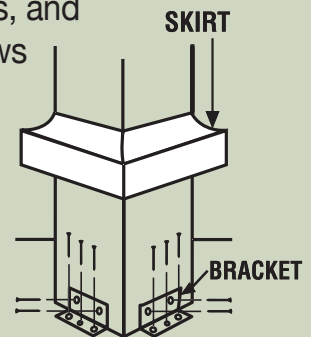
Our No. 100 turned wood posts are available in 4", 5", and 6" nominal sizes. (Cross sections are 3-1/4", 4-1/4", and 5-1/4" net size.)

\*Plinths should always be used with wood posts.



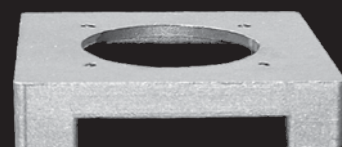
## Optional Synthetic Post Fastening Kits

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



## ALUMINUM PLINTH FOR WOOD POST

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





# The **HB** **G** PermaRail Plus® Collection

- Available in kits, components, and ready to install pre-built sections
- Prefinished; no painting required
- Compliant with IBC up to 10' and IRC up to 12' (CCRR-0262)
- Newel sleeve fits over a pressure treated 4 x 4 or newel support
- Durable, low maintenance
- Concealed hardware
- Adjustable stair rail brackets\*\*
- Insect and weather proof
- 10/25 Year Limited Warranty\*
- Rail Heights 36" and 42"
- Rail Lengths 6, 8, 10, and 12'
- 1-1/4", and 1-1/2" Square, and Turned Balusters



12" Round PermaCast® with Savannah PermaRail Plus® Railing

\*See Warranty.

\*\*Patent Pending.



The PermaRail Plus® 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

### Savannah

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worry-free railing system will be a beautiful, low maintenance addition to your porch or deck for generations to come. Be sure to use the Coastal Newel Post Mount System in areas where coastal effect corrosion is a concern.

### Belhaven

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### Newport

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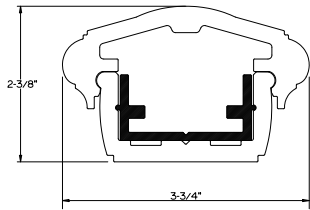
### Standard

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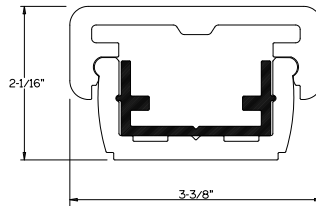


All rail sections are suitable for use with PermaCast® columns, PermaRail Plus® newels, or PermaPost®.

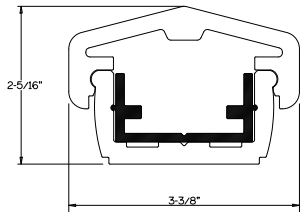
\*HB&G recommends checking all applicable building code requirements before the design and installation of PermaRail Plus®.



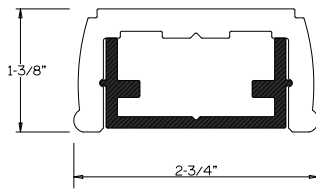
Savannah Top Rail\*



Belhaven Top Rail\*



Newport Top Rail\*



Standard Top Rail\*\* and  
Standard Bottom Rail with  
Aluminum Stiffener

\*\*Maximum 8' Length

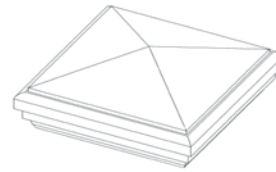
\*With Aluminum Stiffener and  
Standard Bottom Rail



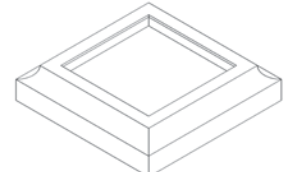
Supplemental Aluminum Stiffener for  
Savannah, Newport, and Bellhaven  
for Rail Lengths over 8'



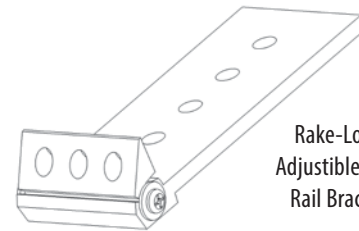
Standard Aluminum Stiffener



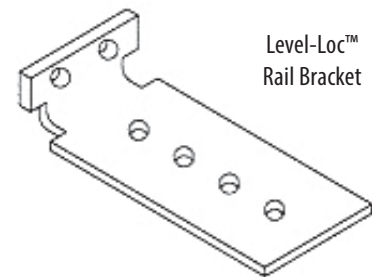
Newel Cap



Newel Skirt

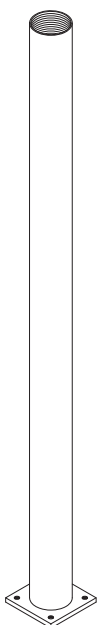


Rake-Loc™  
Adjustable Stair  
Rail Bracket

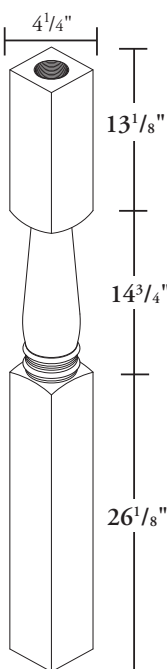


Level-Loc™  
Rail Bracket

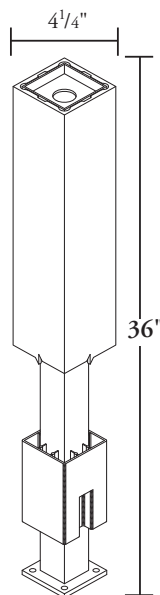
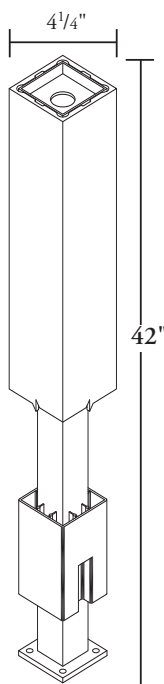
Chesterfield  
Newel  
Support Kit



Chesterfield  
Newel



Newel-Loc™  
Square Newel Post Mount System\*



\*The 36" and 42" Newel Post Mount are designed  
for coastal conditions.

NOTE: Newel-Loc™ and Newel Sleeve must be  
purchased separately.

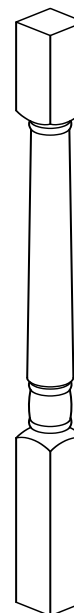
1-1/4" Square  
Baluster  
30" and 36"



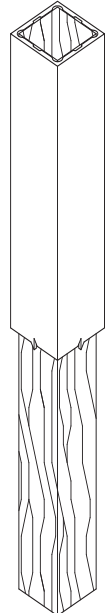
1-1/2" Square  
Baluster  
30" and 36"



1-1/2" Turned  
Baluster  
30" and 36"



Newel Sleeve  
45" and 54"\*\*\*



\*\*\*Newel sleeves can be slid over an existing 4 x 4  
or installed with the Newel Post Mount.

The top rail, bottom rail, and balusters are pre-finished white  
and are made from weather resistant cellular PVC.

Turned Balusters are made from hollow rigid vinyl and  
cannot be painted

# Three Ways to Order the PermaRail Plus® Railing...

## 1. DO-IT-YOURSELF KIT

- Everything needed to assemble and install is included.
  - All standard level rail section components included in one box
  - Balusters and all installation hardware included
- Decorative top rail and Rake-Loc™ stair bracket sold separately
- **HOW TO ORDER:**
  - Choose Your Height: 36" 42"
  - Choose your Length: 6, 8, 10, 12' 6, 8, 10'
  - Choose Decorative Top Rail: Savannah, Newport, Belhaven
  - Note: Standard Rail System has a maximum length of 8'.
  - Optional concealed adjustable stair rail brackets for 6' and 8' rail lengths.
- Kit Includes:
  - Standard top and bottom rail
  - 1 ¼ balusters
  - Support block (s)
  - Aluminum stiffeners
  - Level-Loc™ rail assembly fasteners and installation hardware

## 2. INDIVIDUAL COMPONENTS

- Build your Own Design
- For complete rail system you will need the following:
  - Note: Standard Rail System has a maximum length of 8'
  - Standard top and bottom rail
  - Decorative top rail (if not using the Standard Top Rail\*)
  - Aluminum stiffeners (2) - Supplemental stiffener for rail lengths over 8'
  - 1 ¼ or 1 ½" Balusters – 30" or 36" long
  - Support block(s)
  - Level-Loc™ rail hardware kit
  - Baluster screw kit

## 3. PRE-BUILT SECTIONS

- Shipped factory assembled in standard lengths
- Easy to install
- Everything needed to install included

### • HOW TO ORDER:

- Choose Your Height: 36" 42"
- Choose your Length: 6, 8, 10, 12' 6, 8, 10'
- Choose Decorative Top Rail: Savannah, Newport, Belhaven
- Note: Standard Rail System has a maximum length of 8'
- Optional Concealed Adjustable Rake-Loc™ stair rail brackets for 6' and 8' rail lengths

- Onsite trimming and assembly completion required

\*HB&G recommends checking all building codes before the design and installation of your PermaRail Plus® railing.

### BUILDING CODE COMPLIANCE

PermaRail Plus® has been tested to the appropriate standards and found to be build code compliant (CCRR-0262) as follows:

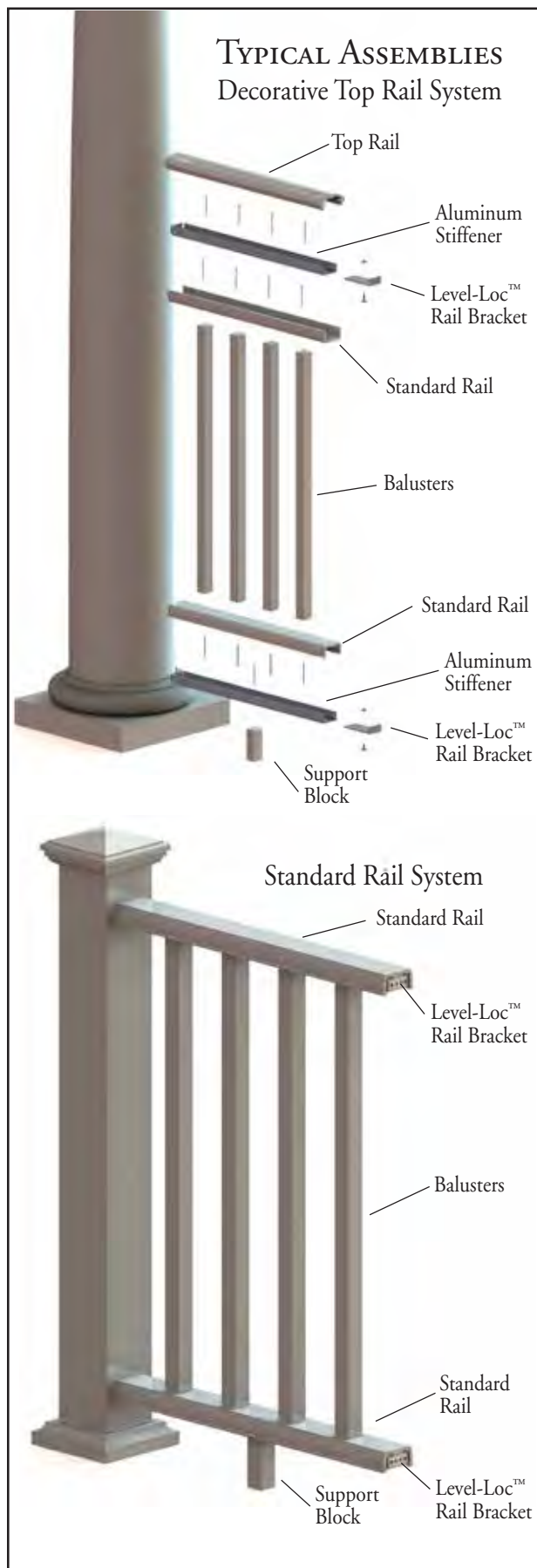
#### Decorative Top Rail System

|     | Level     | Rake     |
|-----|-----------|----------|
| IRC | up to 12' | up to 8' |
| IBC | up to 10' | up to 8' |

#### Standard Top Rail System

|     | Level    | Rake     |
|-----|----------|----------|
| IRC | up to 8' | up to 8' |
| IBC | up to 8' | up to 8' |

Review your application to ensure intended use complies with all applicable building codes.







- Low Maintenance
- Primed White\*\*
- Ready to Install and Paint

- Easy Installation
- 25 Year Limited Warranty\*



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

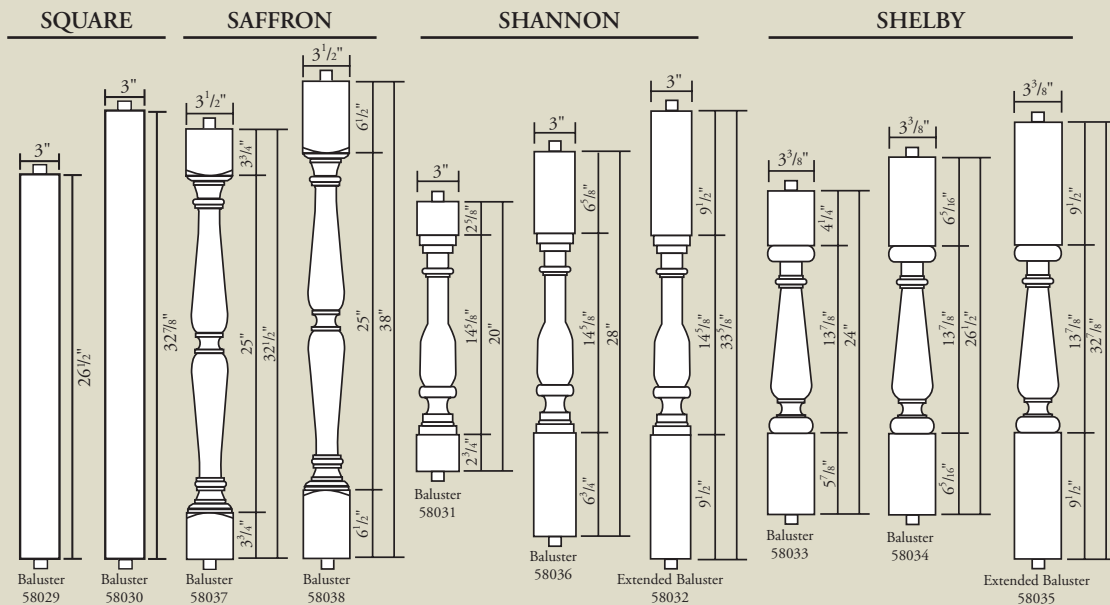
HB&G has created a unique and elegant balustrade system that can make your home stand out from the rest. These low-maintenance features are made by molding high-density urethane around structural elements in order to provide exceptional beauty,

\*See Warranty

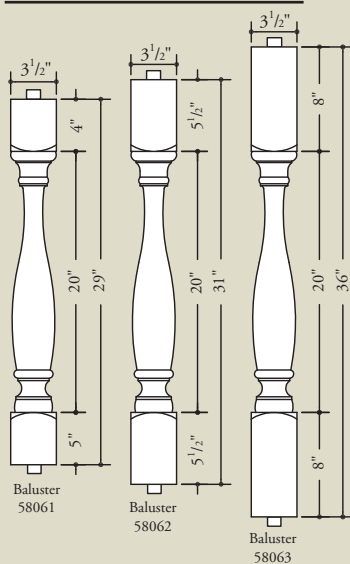
\*\*Additional priming may be required

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 (4424).

# 6" Balustrade System



## SHERWOOD



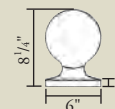
Poly moulding provided loose to be installed on job site. See page 9 for panel moulding styles.



Plain Newel #57088



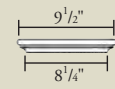
Five Sided Angle Newel #57084



Ball Cap\* #57087  
\*Must be used with Flat Cap



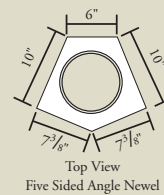
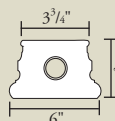
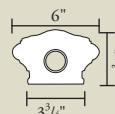
Pyramid Cap #57085



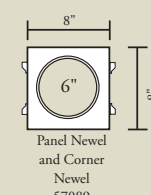
Flat Cap #57086



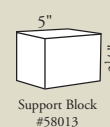
Five Sided Pyramid Cap #57083



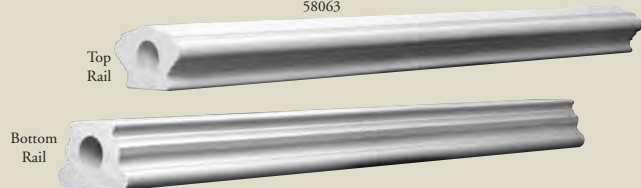
Top View Five Sided Angle Newel



Panel Newel and Corner Newel #57089

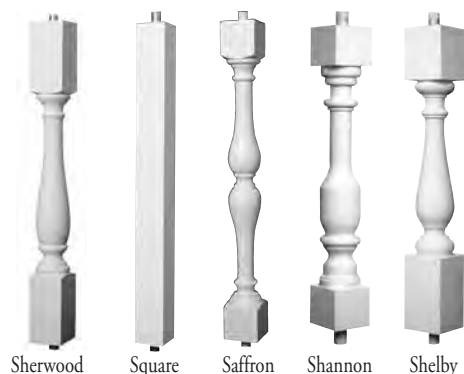


Support Block #58013



Top Rail

Bottom Rail



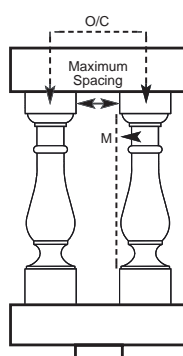
Sherwood

Square

Saffron

Shannon

Shelby

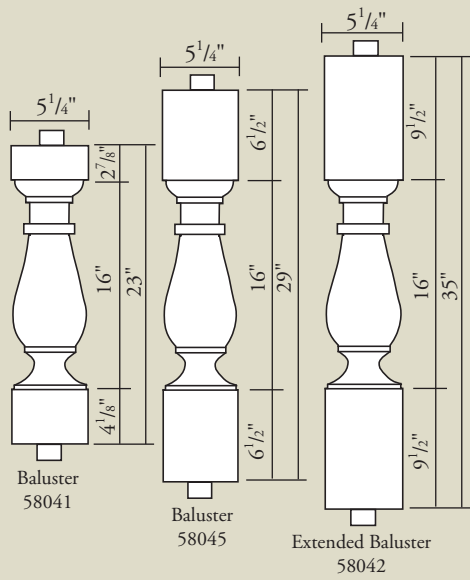


## 6"

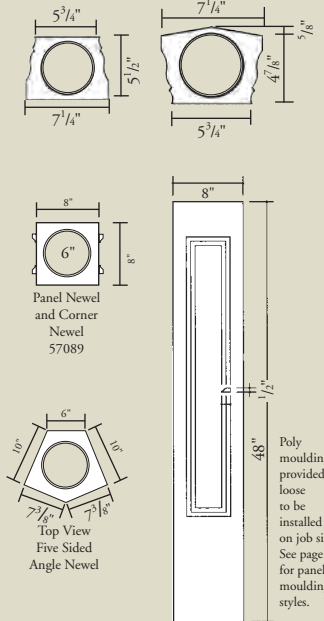
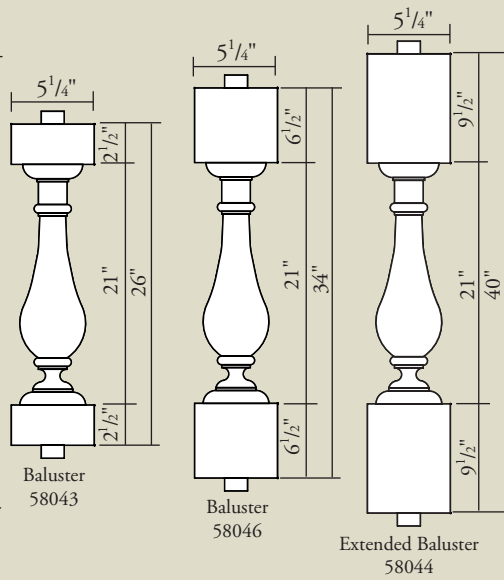
| SKU   | M       | Maximum Spacing | O/C    |
|-------|---------|-----------------|--------|
| 58031 | 3/4"    | 2 1/4"          | 5 1/4" |
| 58032 | 3/4"    | 2 1/4"          | 5 1/4" |
| 58036 | 3/4"    | 2 1/4"          | 5 1/4" |
| 58033 | 1"      | 2 1/8"          | 5 1/2" |
| 58034 | 1"      | 2 1/8"          | 5 1/2" |
| 58035 | 1"      | 2 1/8"          | 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

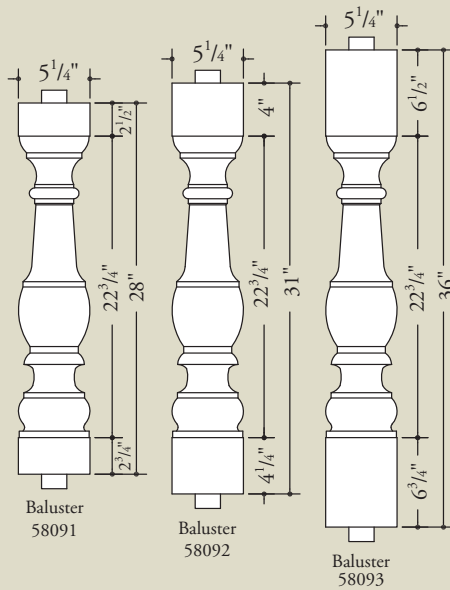
## CALVERT



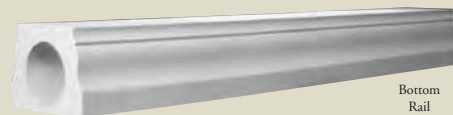
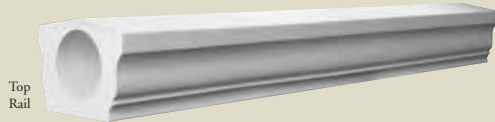
## CARRINGTON



## CLEMENT



\*Must be used with Flat Cap



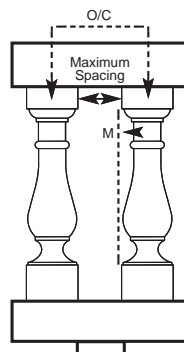
Clement



Carrington



Calvert



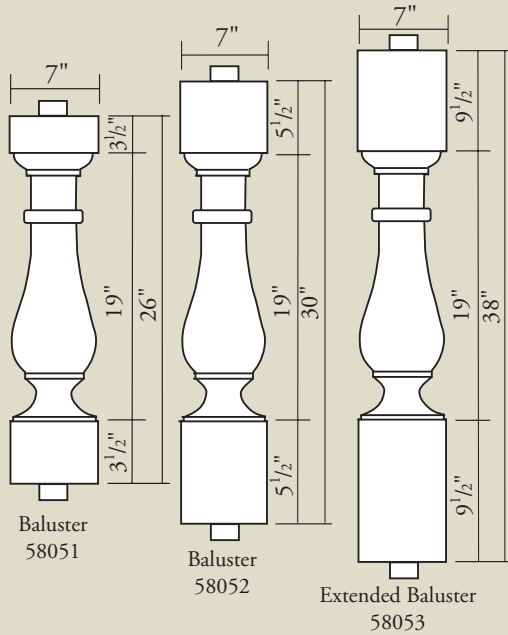
7"

| SKU   | M       | Maximum Spacing | O/C    |
|-------|---------|-----------------|--------|
| 58041 | 1-1/4"  | 1-1/4"          | 6-1/2" |
| 58042 | 1-1/4"  | 1-1/4"          | 6-1/2" |
| 58045 | 1-1/4"  | 1-1/4"          | 6-1/2" |
| 58043 | 1-1/2"  | 3/4"            | 6"     |
| 58044 | 1-1/2"  | 3/4"            | 6"     |
| 58046 | 1-1/2"  | 3/4"            | 6"     |
| 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" |

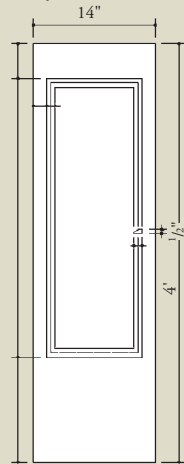
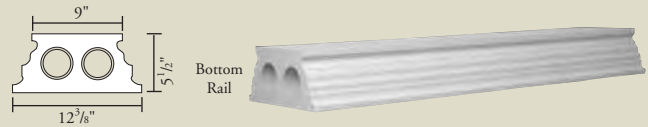
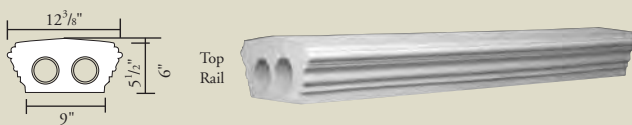
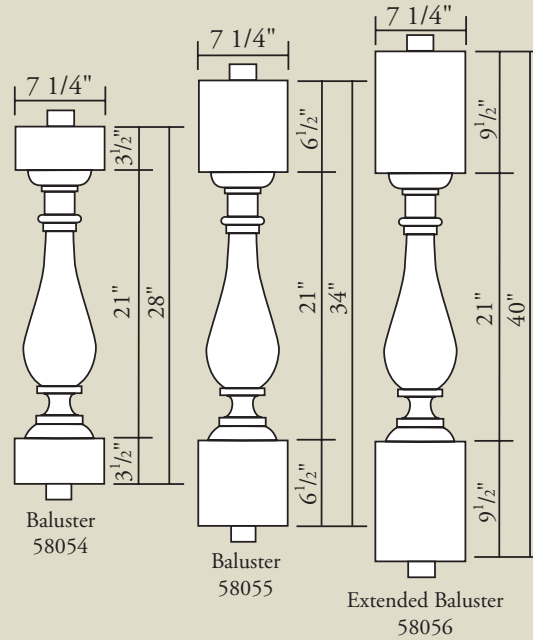


# 12" Balustrade System

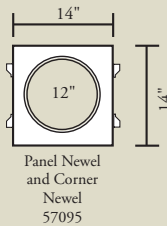
## MANDEVILLE



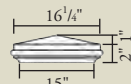
## MANASSES



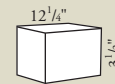
Poly moulding provided loose to be installed on job site. See page 9 for panel moulding styles.



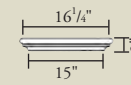
Plain Newel #57094



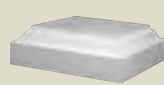
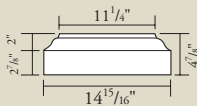
Pyramid Cap #57091



Support Block #58014



Flat Cap #57092



Classic Cap 57097

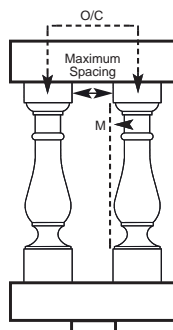


Ball Cap 7" 63058  
10" 57096  
12" 57093

\*Must be used with Flat Cap



Mandeville Manasses



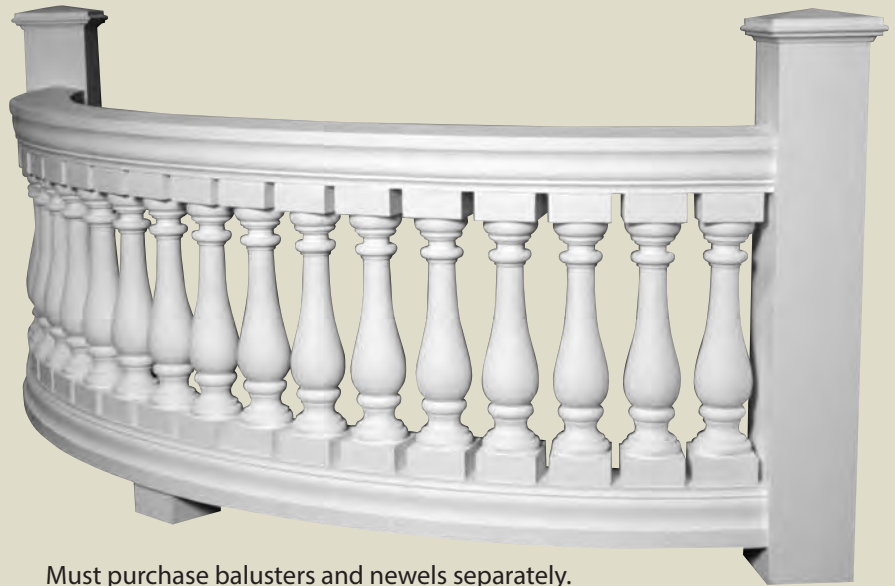
## 12"

| SKU   | M      | Maximum Spacing | O/C    |
|-------|--------|-----------------|--------|
| 58051 | 1-7/8" | 3/16"           | 7-1/8" |
| 58052 | 1-7/8" | 3/16"           | 7-1/8" |
| 58053 | 1-7/8" | 3/16"           | 7-1/8" |
| 58054 | 2-3/8" | 0"              | 7-1/4" |
| 58055 | 2-3/8" | 0"              | 7-1/4" |
| 58056 | 2-3/8" | 0"              | 7-1/4" |

# 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 38-40 for rail styles.)



\*See Warranty

Must purchase balusters and newels separately.

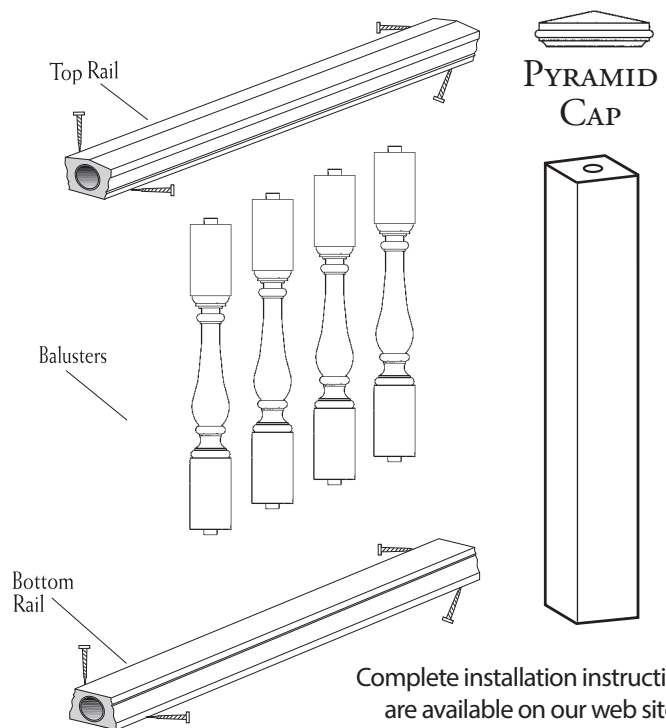
## Building Codes

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 less 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.

# PermaPorch® Ceiling

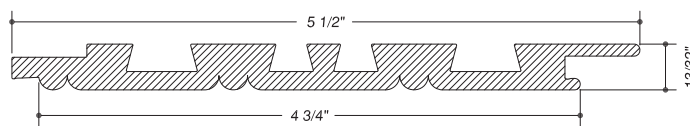
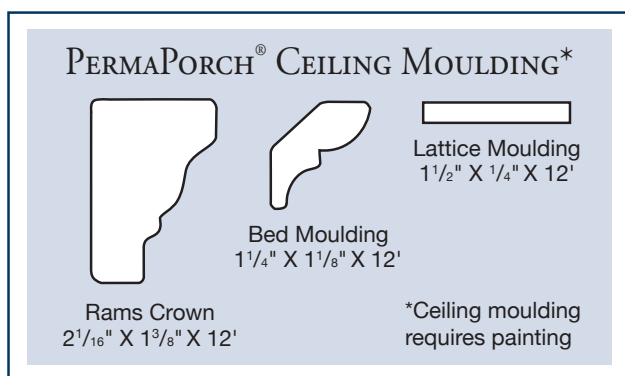
- Pre-finished white or blue
- Hidden Fastening (Blind Nail)
- Can be Installed on 24" Centers
- Can be easily painted

- 1 pc. (4.75" x 12') = 4.75 sq. ft. of Coverage
- 1 pc. (4.75" x 16') = 6.33 sq. ft. of coverage

Pre-finished with a capstock 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 for years to come. Once it's installed, it offers lasting beauty so you can sit back, relax, and enjoy the good life.



The PermaPorch® Ceiling comes pre-finished white or blue and 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 available ceiling mouldings.





# FIBERGLASS PERGOLAS

- Wind load rated
- Low maintenance
- Ease of installation
- Pre-finished with ChromaGuard® engineered coating
- Will not rot, check or twist
- Hollow rafter can act as conduit for wiring
- Stability



## SERENITY® SERIES FIBERGLASS PERGOLAS

HB&G manufactures fiberglass pergola kits using pultrusion technology to produce the strongest yet lightest structures available with a Limited Lifetime Warranty. Our structural fiberglass components are strong, light weight, and provide a higher level of aesthetic quality than vinyl or wood pergolas. Our Serenity® pergola kits are manufactured white with Napa Tails and square or no-taper round fiberglass columns without neck moulding. Optional wind-load/deck plates are available.



Standard  
Napa Tails



### PERMALITE® NO-TAPER ROUND COLUMN PERGOLA KITS

| Overhead Size                             | Column Center Size | Column Size |
|---|--------------------|-------------|
| Free Standing 12' x 12'                   | 8' X 8'            | 8" X 8'     |
| Free Standing 14' x 14'                   | 10' X 10'          | 10" X 8'    |
| Free Standing 16' x 16'                   | 12' X 12'          | 10" X 8'    |
| Standard Round Wind-Load/Deck Plate - 8"  |                    |             |
| Standard Round Wind-Load/Deck Plate - 10" |                    |             |

\*Sold Separately, Deck Screws not included

NOTE: Shade canopies sold separately  
Serenity® fiberglass pergolas are single support rafter with header style.



### PERMALITE® SQUARE COLUMN PERGOLA KITS

| Overhead Size           | Column Center Size | Column Size |
|-------------------------|--------------------|-------------|
| Free Standing 12' x 12' | 8' X 8'            | 8" X 8'     |
| Free Standing 14' x 14' | 10' X 10'          | 10" X 8'    |
| Free Standing 16' x 16' | 12' X 12'          | 10" X 8'    |
| Attached 12' x 10'      | 8' X 8'            | 8" X 8'     |
| Attached 14' x 10'      | 10' X 8'           | 10" X 8'    |

Standard Square Wind-Load/Deck Plate - 8"

Standard Square Wind-Load/Deck Plate - 10"

\*Sold Separately, Deck Screws not included

## SEMI-CUSTOM OPTIONS\*

Make our Serenity® or Tranquility® pergolas your own by selecting from our semi-custom options.

### RAFTER TAIL OPTIONS



\*Adds a week to shipping time

### COLOR OPTIONS



\* Color may differ due to print settings. Call for more information.

## TRANQUILITY® SERIES PREDESIGNED FIBERGLASS PERGOLAS

Available with choice of 10"x8' PermaCast® Round Tapered or 10"x8' PermaLite® Square Columns, prefinished with a White ChromaGuard® engineered coating, our exclusive Arbor-Loc® tie-down system, and Napa rafter tail.



### FREESTANDING PERGOLA OVERHEAD DIMENSIONS

|         |         |         |         |
|---------|---------|---------|---------|
| 12'x12' | 14'x18' | 18'x12' | 20'x18' |
| 12'x14' | 14'x20' | 18'x14' | 20'x20' |
| 12'x16' | 14'x22' | 18'x16' | 20'x22' |
| 12'x18' | 16'x12' | 18'x18' | 22'x12' |
| 12'x22' | 16'x14' | 18'x22' | 22'x14' |
| 14'x12' | 16'x16' | 20'x12' | 22'x16' |
| 14'x14' | 16'x18' | 20'x14' | 22'x18' |
| 14'x16' | 16'x22' | 20'x16' | 22'x22' |



### ATTACHED PERGOLA OVERHEAD DIMENSIONS

|         |         |         |         |
|---------|---------|---------|---------|
| 12'x10' | 14'x14' | 18'x10' | 20'x16' |
| 12'x12' | 14'x16' | 18'x12' | 20'x18' |
| 12'x14' | 14'x20' | 18'x14' | 20'x20' |
| 12'x16' | 16'x10' | 18'x16' | 22'x10' |
| 12'x18' | 16'x12' | 18'x20' | 22'x12' |
| 12'x20' | 16'x14' | 20'x10' | 22'x14' |
| 14'x10' | 16'x16' | 20'x12' | 22'x16' |
| 14'x12' | 16'x20' | 20'x14' | 22'x20' |

NOTE: Tranquility® predefined fiberglass pergolas are double support rafter, no header style.

# SOLACE® SERIES FIBERGLASS PERGOLAS

The flexible design of HB&G's contemporary Solace® pergola makes it a smart choice. Manufactured to utilize our Mor-Shade® sail or canopy, Solace® delivers shade with a crisp, clean appearance.

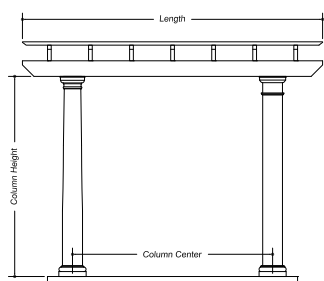


| Overhead Size | Column Center | Column Size* |
|---------------|---------------|--------------|
| 8' x 8'       | 8' x 8'       | 10" x 9'     |
| 10' x 10'     | 10' x 10'     | 10" x 9'     |
| 12' x 12'     | 12' x 12'     | 10" x 9'     |

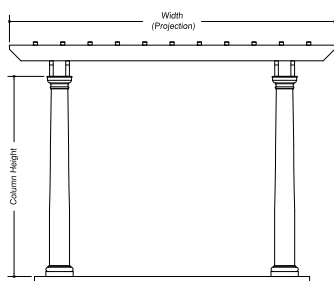
\*Solace® fiberglass pergolas utilize 10" x 9' PermaLite® columns.

## UNDERSTANDING PERGOLA DIMENSIONS

### FREESTANDING PERGOLAS

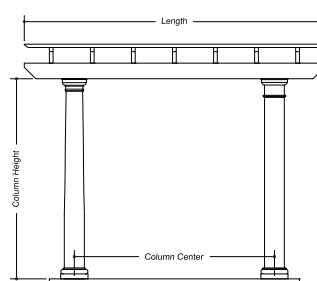


**Front View**  
Beam / Structural rafters run the length of the pergola.

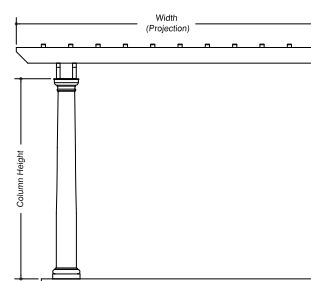


**Side View**  
Rafters run the width (Projection) of the pergola.

### ATTACHED PERGOLAS



**Front View**  
Ledger runs length of pergola.



**Side View**  
Width (Projection) of the pergola top projects from the structure.

NOTE: Pergola sizes are described as length x width as shown in the examples above.



# MOR-SHADE® FOR STRUCTURAL FIBERGLASS PERGOLAS

HB&G offers three ways to increase the shade provided by your pergola: Mor-Shade® Canopy, Purlin, and Shade Sail. Each option is specifically designed to be an attractive accent to your pergola and create a shelter from the sun's rays.

The combination of an HB&G pergola and a Mor-Shade® shade solution is the ultimate combination of beauty, function, and versatility to create your outdoor living room.

## MOR-SHADE® CANOPY

Designed for ease of use our exclusive Mor-Shade® Canopy slides on a wired system that is ready to install out of the box. The unique modular design is easy to install, just like our fiberglass pergolas, to enhance your outdoor living experience. Designed to quickly lock individual canopy panels in place to provide shelter from the sun or remove panels as quickly when the sun goes down.



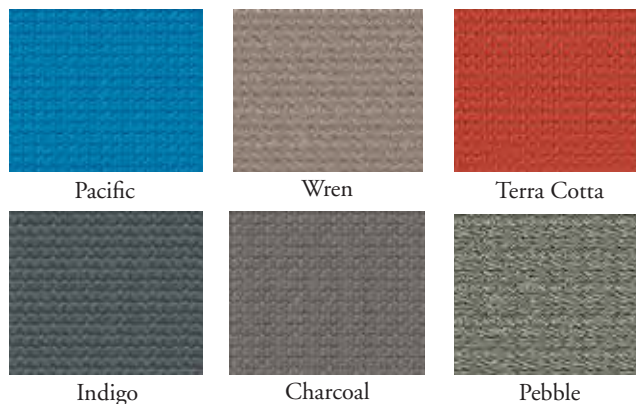
NOTE: Mor-Shade® Canopy and Shade Sail must be removed when severe weather is anticipated or the warranty is void.

## MOR-SHADE® PURLIN

Increase the size and number of purlin on the top of the pergola to increase the amount of shade provided by the pergola.



### CANOPY AND SAIL COLOR OPTIONS



\*\*Color may differ slightly due to print settings.  
Please call for more information.

## MOR-SHADE® SHADE SAIL

The Mor-Shade® Shade Sail is a solid fabric cover that is easy to install and remove based on weather conditions and time of year.



# HARMONY® SERIES PREDESIGNED PVC PERGOLAS

- **Low Maintenance**
- **High Quality Cellular PVC**
- **Ease of Installation**
- **Insect and Weather Proof**
- **Ready to Prime and Paint**
- **25 Year Limited Warranty\***

The craftsmen at HB&G manufacture Harmony® PVC pergolas from high quality cellular PVC. These attractive, timeless pergolas are unaffected by moisture and insects making them perfect for creating an outdoor living oasis.

Our pergolas are easy to install and low maintenance. Available with a choice of 10" x 8' PermaCast® Round Tapered or 8" x 8' PermaCast® Square Columns.



**ARCHED TOP CELLULAR  
PVC PERGOLAS**

| Overhead Dimensions | Column Center | Column Style |
|---------------------|---------------|--------------|
| 14' X 14'           | 10' x 10'     | Round/Square |
| 14' X 16'           | 10' x 12'     | Round/Square |
| 14' X 18'           | 10' x 14'     | Round/Square |
| 16' X 16'           | 12' x 12'     | Round/Square |
| 16' X 18'           | 12' x 14'     | Round/Square |
| 18' X 18'           | 14' x 14'     | Round/Square |



**FREE STANDING AND ATTACHED  
FLAT TOP CELLULAR PVC PERGOLAS**

| Overhead Dimensions | Column Center | Column Style |
|---------------------|---------------|--------------|
| 14' X 14'           | 10' x 10'     | Round/Square |
| 14' X 16'           | 10' x 12'     | Round/Square |
| 14' X 18'           | 10' x 14'     | Round/Square |
| 16' X 16'           | 12' x 12'     | Round/Square |
| 16' X 18'           | 12' x 14'     | Round/Square |
| 18' X 18'           | 14' x 14'     | Round/Square |



\*See Warranty

Follow cPVC painting instructions on page 25.

NOTE: Harmony® cPVC pergolas are double rafter support, no header or purlin style with Classic tails.



# OUTDOOR LIVING PRODUCTS

HB&G manufactures its outdoor living products with the same materials used in our high performance Fiberglass Pergolas. They are low maintenance, easy to install, and will not rot, check, or twist.

## PRIVACY SCREENS

Add outdoor privacy with HB&G's Privacy Screens. Perfect for pool or dining areas or multi-family applications. Two standard sizes are available with Napa tails.

| Size                      | Column                     |
|---------------------------|----------------------------|
| 12' Privacy Screen        | 10" x 8' Square PermaLite® |
| 24' Corner Privacy Screen | 10" x 8' Square PermaLite® |



## ENTRY ARBOR

Formalize an entrance or dress up a garden area with HB&G's Entry Arbors. Two standard sizes are available.

| Size           | Column Center | Column                    |
|----------------|---------------|---------------------------|
| 12' x 3' Arbor | 8'            | 8" x 8' PermaCast® Round  |
| 12' x 3' Arbor | 8'            | 8" x 8' PermaLite® Square |

## EYEBROW / TRELLIS

Designed to complement the architecture of your home. HB&G's Eyebrow/Trellises are available in three standard sizes with Napa tails.

| Length      |             |             |
|-------------|-------------|-------------|
| 11' Eyebrow | 18' Eyebrow | 20' Eyebrow |





# Brackets

HB&G Polyurethane 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 PermaPosts or wood posts. Enjoy a low-maintenance way to add style and decor to your front porch.



H-17 $\frac{1}{4}$ "; W-2 $\frac{3}{4}$ "; P-13 $\frac{1}{4}$ "



H-15 $\frac{1}{4}$ "; P-15 $\frac{1}{4}$ "



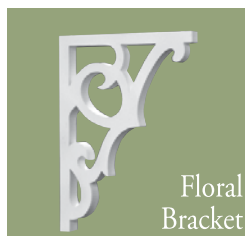
H-13 $\frac{3}{8}$ "; P-13"



H-14 $\frac{3}{4}$ "; P-14 $\frac{3}{4}$ "



H-12 $\frac{9}{16}$ "; P-10 $\frac{1}{4}$ "



H-13 $\frac{1}{4}$ "; P-10"



H-15 $\frac{7}{8}$ "; P-15 $\frac{7}{8}$ "



H-13 $\frac{3}{4}$ "; W-2 $\frac{1}{2}$ "; P-9 $\frac{3}{4}$ "



H-15"; P-14"



H-13 $\frac{1}{2}$ "; P-13 $\frac{1}{2}$ "



H-14 $\frac{1}{2}$ "; W-4"; P-9 $\frac{1}{4}$ "



H-19"; P-15"



H-16"; P-9 $\frac{1}{4}$ "



H-11 $\frac{13}{16}$ "; P-11 $\frac{13}{16}$ "



H-15 $\frac{3}{8}$ "; P-15 $\frac{3}{8}$ "



H-15"; W-4"; P-9 $\frac{1}{2}$ "



H-12 $\frac{1}{4}$ "; P-12 $\frac{1}{4}$ "



H-9 $\frac{9}{8}$ "; W-3 $\frac{1}{2}$ "; P-6 $\frac{3}{4}$ "



H-22 $\frac{7}{8}$ "; P-13 $\frac{1}{4}$ "



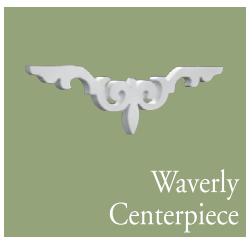
H-14 $\frac{1}{16}$ "; P-12 $\frac{11}{16}$ "



H-5 $\frac{7}{8}$ "; L-20 $\frac{1}{2}$ "



H-7 $\frac{11}{16}$ "; L-24"



H-6"; L-20"



H-5 $\frac{15}{16}$ "; L-24 $\frac{1}{4}$ "



H-5 $\frac{3}{8}$ "; W-2"; L-20"

• Custom cPVC brackets are also available.

## 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 low maintenance.



ASHTON  
NO. 79170, D 17 $\frac{1}{2}$ "



QUEEN ANNE  
NO. 79477, D 21"



CABOT  
NO. 79450, D 44 $\frac{3}{4}$ "



CHERUB  
NO. 79469, D 22 $\frac{3}{16}$ "



CHARLOTTE  
NO. 79478, D 24"



EGG AND DART  
NO. 79487, D 30 $\frac{3}{8}$ "  
NO. 79486, D 24"  
NO. 79485, D 18 $\frac{1}{2}$ "



BRISTOL  
NO. 79472, D 29 $\frac{3}{4}$ "  
NO. 79471, D 23 $\frac{3}{8}$ "  
NO. 79470, D 16 $\frac{1}{8}$ "



ANSLEY  
NO. 79483, D 29 $\frac{1}{2}$ "  
NO. 79482, D 23 $\frac{3}{8}$ "  
NO. 79481, D 16"



BELLE MEADE  
NO. 79120, D 12 $\frac{1}{4}$ "



CORNWALL  
NO. 79140, D 14 $\frac{3}{4}$ "



MONTGOMERY  
NO. 79090, D 9 $\frac{3}{4}$ "



NORWICH  
NO. 79455, D 31 $\frac{1}{8}$ "



STRASBOURG  
NO. 79475, D 27"  
(2 $\frac{3}{8}$ " Recessed Depth)



FLORENTINE  
NO. 79465, D 28 $\frac{1}{2}$ "



VENETIAN  
NO. 79300, D 31"  
NO. 79310, D 21 $\frac{1}{4}$ "



BILTMORE  
NO. 79479, D 25 $\frac{3}{4}$ "  
NO. 79480, D 16 $\frac{1}{16}$ "



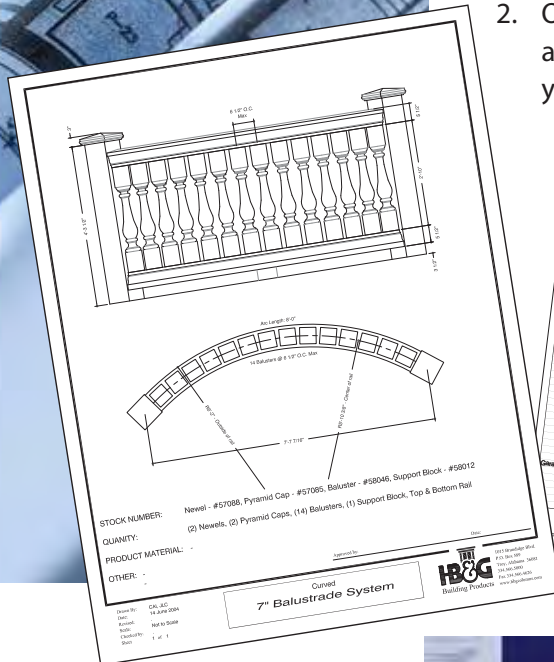
MONTICELLO  
NO. 79280, D 27 $\frac{7}{8}$ "  
NO. 79282, D 23 $\frac{3}{4}$ "



LADY SARA  
NO. 79461, D 23 $\frac{3}{8}$ "  
NO. 79460, D 18"

1. Send your plans using one of these two methods:

2. Once we have your plans, we will provide a detailed product list and drawings for your project.



Am. & Eastern Australia  
Melbourne, FL

**HB&G**  
**Buying Practice**

|                           |                                  | Lot #/Qty | SKU   | Per Lot | Quantity | Last Price | Performance<br>Market Lot |
|---------------------------|----------------------------------|-----------|-------|---------|----------|------------|---------------------------|
|                           |                                  |           |       |         |          |            | Use/Sp                    |
| <b>Pool - (A1.5)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Fire Deck - (A1.1)</b> | 14" Round Perm/Cast Columns      | 12        | 43184 | 1       |          |            | \$1,712.00                |
|                           | 14" Round Turcon C/A & Base Sels | 12        | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Pool Deck - (A1.2)</b> | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.3)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.4)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.5)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.6)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.7)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.8)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.9)</b>      | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.10)</b>     | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.11)</b>     | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |
| <b>Deck - (A1.12)</b>     | 12" Round Perm/Cast Columns      | 9         | 43184 | 1       |          |            | \$1,328.00                |
|                           | 12" Round Turcon C/A & Base Sels | 9         | 43081 | 1       | 4        | \$1.80     | \$671.35                  |
|                           | Swagmest Rail Kit                | 48        | 32883 | 1       |          |            | \$820.00                  |
|                           | Swagmest Heavy Plastic Fruits    | 48        | 32883 | 1       | 12       | \$15.00    | \$1,340.00                |

\*\*\*Based on information provided by Supply Practices. All quantities must be added \*\*\*

Prices are manufacturer suggested retail price.

1 of 1

4/3/2007

HB&G offers a one hour continuing education course. This course can be given as a “lunch and learn” or taken online at [www.hbgcolumns.com](http://www.hbgcolumns.com), click on the architectural corner link. For more information contact our architectural department at 1-800-264-4HBG (4424). This course is AIA and AIBD certified.





# HB&G Building Products, Inc.'s Product Limited Warranties

HB&G Building Products, Inc. extends the following Limited Warranty (the "Warranty") to original purchasers of its materials and components (the "Product").

An "Original Purchaser" is a retailer, distributor, builder or supplier that purchases the Product or the first individual homeowner who purchases the Product from a retailer, distributor, builder or supplier, whether or not the Product has been installed.

This Warranty is not transferable to subsequent owners of the property on which the Product has been installed.

Excepting finishes, which are addressed below, HB&G Building Products, Inc. warrants that when used under conditions of normal use and service and when properly installed in conformance with all HB&G installation instructions and all governing building codes, the Product shall conform to the specifications set forth in HB&G's published specifications in effect as of the date of shipment by HB&G and shall be free from defects in material and workmanship. Should a Product prove defective after review by HB&G Building Products Inc. of any claim, HB&G will provide at its discretion replacement parts, repair, or refund of those materials that it deems defective after its review. Installation, delivery and labor costs are **NOT** covered under this Warranty.

## LIMITED WARRANTY TIME PERIODS:

| Product   | Single Family Residential | Commercial/MF Residential |
|---|---------------------------|---------------------------|
| SpunCast & Pultruded Fiberglass Columns             | Limited Lifetime          | 25 Years                  |
| cPVC Columns & Column Wraps                         | 25 Years                  | 10 Years                  |
| Aluminum Columns                                    | Limited Lifetime          | 25 Years                  |
| Wood: Columns, Posts and Structural Component Parts | 1 Year                    | 1 Year                    |
| Synthetic Porch Post                                | 25 Year                   | 10 Years                  |
| Vinyl Post Wrap                                     | Limited Lifetime          | 25 Years                  |
| cPVC Railing  | 25 Years                  | 10 Years                  |
| Polyurethane Balustrade/Railing                     | 25 Years                  | 10 Years                  |
| cPVC Ceiling  | 25 Years                  | 10 Years                  |
| cPVC Pergola  | 25 Years                  | 10 Years                  |
| Fiberglass Pergola and Outdoor Living Products      | Limited Lifetime          | 25 Years                  |
| Mor-Shade® Canopy and Sail                          | 5 Year                    | 1 Year                    |
| Polyurethane Brackets & Medallions                  | 10 Year                   | 10 Year                   |

**Finish:** HB&G warrants that the finish it has applied to the product will be free from defects. When used for its intended purpose, properly installed and maintained according to HB&G's installation instructions, for a period of 10 years from the date of shipment (a) will not peel (b) will not chip and (c) will not crack. This Warranty does not cover against fade or chalk of the Finish due to normal weathering. Normal weathering means exposure to sunlight and extremes of weather and atmosphere, which will cause any painted surface to gradually fade, chalk or accumulate dirt over time. This Warranty will cover HB&G's finish against excess color change beyond normal weathering. Excess color change means a change in color of HB&G's Finish by greater than four (4) delta E units. HB&G shall have the sole discretion to determine whether the Product exhibits excess color change.

Only "finishes" applied by HB&G are covered under this Warranty; for purposes of this Limited Warranty, "finish" means any paint or coating or cap stock applied by HB&G. With respect to any paint or other coating applied to the Product after shipment by HB&G, Original Purchasers must look to the warranty or warranties, if any, of the paint or coating manufacturer of such paint or coating for recourse as to defects or any other issue concerning such post-shipment, applied coatings.

# HB&G Building Products, Inc.'s Product Limited Warranties

## General Conditions & Exclusions:

This Warranty is not transferable and it is subject to the following general conditions and exclusions described below:

### What is not covered:

There are certain conditions or applications over which HB&G Building Products Inc. has no control. This Warranty does not cover defects or problems as a result of such conditions or applications, including, but not limited to the following:

- Damage caused by improper installation, use, applications or maintenance.
- Damage caused by environmental conditions or use that exceeds design standards.
- Damage caused by accidents, Acts of God, abuse, vandalism, animal activity plant or vine growth, or any other external force.
- Damage resulting from mishandling in transit.
- Damages resulting from the failure to apply and maintain a finish or to properly finish to any Product.
- Damages caused by lack of routine maintenance, including, but not limited to painting and cleaning the product as needed.
- Installations that are not compliant with HB&G Building Products, Inc.'s instructions and all governing building codes and common building practices.
- Modifications to the column, such as splitting the column, by anyone, including but not limited to a retailer, distributor, builder, or supplier.
- Normal weathering, chalking, fading, discoloration, mold/mildew buildup, or the effects of atmospheric pollutants or sea spray.
- Non-Factory Applied finishes, applied sealants or caulking.
- Installation or labor costs.
- Improper Installation, including but not limited to installation in violation of building codes.
- Any product not manufactured by HB&G Building Products, Inc.
- Damage or distortion to the Product caused by twisting, bowing or other movement of the structure or structural supports to which the Product is attached.
- Color matching of the Product material and any other HB&G Building Products, Inc. material.

**Disclaimer.** THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF; HB&G BUILDING PRODUCTS, INC. MAKES NO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHATSOEVER WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

**Entire Agreement.** By purchasing or using the Product, you agree that you have not and are not relying on any statement, representation, warranty, or agreement, including any representations, warranties or agreements arising from statute or otherwise in law, except for the warranties and representations expressly contained in this Limited Warranty.

**Exclusive Remedy.** HB&G Building Products Inc.'s provision of replacement parts is its sole liability and entire obligation under this Limited Warranty; Original Purchaser's remedies shall be limited solely and exclusively to the replacement of defective or non-conforming products. HB&G Building Products, Inc. shall not be responsible for incidental or consequential damages relating to the purchase or use of the Product.

**Contractual Statute of Limitations.** No action arising out of any claimed breach of this Limited Warranty by HB&G Building Products, Inc. may be brought more than ninety (90) days after the claim has accrued.

**Rights May Vary By State.** This warranty gives you specific legal rights and you may have other rights, which vary from state to state. Some states do not allow the exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty is only applicable in the United States & Canada.





HB&G products can be purchased from:



1015 Brundidge Blvd.  
Troy, AL 36081  
[www.hbgcolumns.com](http://www.hbgcolumns.com)  
1-800-264-4HBG (4424)



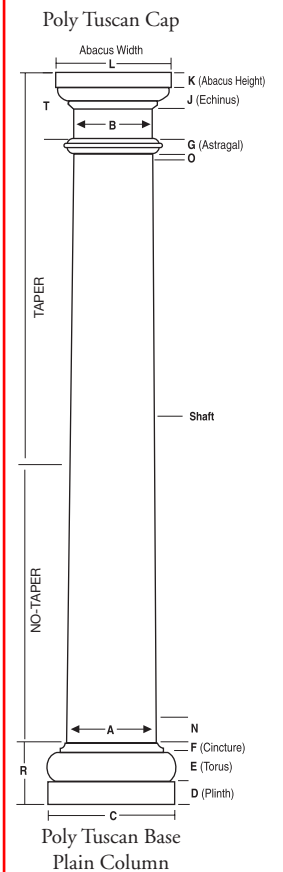
# Round Tapered **PERMA**Cast® Columns

selected columns in 8' and 10' heights

| COL. SIZE | A                  | B                   | C                  | D                  | E                 | F                 | G                  | J                 | K                 | L                   | O                 | N                  | R                  | T                   | LENGTHS AVAIL. (ft.)          |
|-----------|--------------------|---------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|-------------------|---------------------|-------------------|--------------------|--------------------|---------------------|-------------------------------|
| 6"        | 5 $\frac{3}{8}$ "  | 4 $\frac{3}{8}$ "   | 9"                 | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | $\frac{5}{8}$ "   | $\frac{3}{4}$ "    | 1 $\frac{1}{4}$ " | 1 $\frac{3}{8}$ " | 8"                  | 1"                | 6 $\frac{1}{4}$ "  | 3 $\frac{3}{16}$ " | 4 $\frac{7}{16}$ "  | 4,6,8                         |
| 8"        | 7 $\frac{7}{8}$ "  | 6 $\frac{1}{4}$ "   | 10 $\frac{1}{2}$ " | 1 $\frac{7}{8}$ "  | 1 $\frac{3}{4}$ " | $\frac{3}{4}$ "   | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 9 $\frac{1}{4}$ "   | $\frac{1}{2}$ "   | 2 $\frac{1}{4}$ "  | 4 $\frac{3}{8}$ "  | 4 $\frac{1}{2}$ "   | 5,6,8,9,10                    |
| 10"       | 9 $\frac{3}{4}$ "  | 8 $\frac{1}{4}$ "   | 13 $\frac{1}{8}$ " | 2 $\frac{1}{8}$ "  | 2 $\frac{1}{2}$ " | $\frac{3}{4}$ "   | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | 1 $\frac{1}{2}$ " | 11 $\frac{1}{4}$ "  | $\frac{3}{8}$ "   | 2 $\frac{1}{4}$ "  | 5 $\frac{1}{4}$ "  | 5"                  | 6,8,9,10,12                   |
| 12"       | 11 $\frac{3}{8}$ " | 9 $\frac{3}{4}$ "   | 16 $\frac{1}{2}$ " | 2 $\frac{3}{8}$ "  | 2 $\frac{1}{2}$ " | $\frac{7}{8}$ "   | 1 $\frac{1}{16}$ " | 1 $\frac{1}{4}$ " | 2 $\frac{1}{4}$ " | 13 $\frac{3}{4}$ "  | $\frac{3}{4}$ "   | 2 $\frac{5}{8}$ "  | 6 $\frac{3}{4}$ "  | 5 $\frac{3}{4}$ "   | 6,8,9,10,12,14,16,18          |
| 14"       | 13 $\frac{3}{8}$ " | 11 $\frac{3}{8}$ "  | 19 $\frac{1}{2}$ " | 3 $\frac{3}{8}$ "  | 3 $\frac{3}{8}$ " | 1"                | 1"                 | 2"                | 2 $\frac{1}{2}$ " | 17"                 | $\frac{7}{8}$ "   | 2 $\frac{5}{8}$ "  | 7 $\frac{3}{4}$ "  | 7"                  | 8,9,10,12,14,16,18            |
| 16"       | 15 $\frac{3}{4}$ " | 13 $\frac{3}{8}$ "  | 22"                | 3 $\frac{3}{8}$ "  | 3 $\frac{3}{8}$ " | 1 $\frac{1}{8}$ " | 1 $\frac{1}{16}$ " | 2 $\frac{1}{4}$ " | 2 $\frac{1}{2}$ " | 19 $\frac{3}{8}$ "  | 1"                | 3"                 | 8 $\frac{3}{8}$ "  | 8"                  | 8,10,12,14,16,18,20           |
| 18"       | 17 $\frac{1}{2}$ " | 15 $\frac{3}{8}$ "  | 24 $\frac{3}{8}$ " | 4"                 | 4"                | 1 $\frac{1}{8}$ " | 1 $\frac{1}{16}$ " | 2 $\frac{3}{4}$ " | 3 $\frac{3}{8}$ " | 22 $\frac{3}{8}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 9 $\frac{3}{8}$ "  | 8 $\frac{3}{4}$ "   | 8,10,12,14,16,18,20,22,24,26  |
| 20"       | 19 $\frac{1}{2}$ " | 17 $\frac{1}{16}$ " | 27"                | 4 $\frac{3}{4}$ "  | 4 $\frac{1}{2}$ " | 2"                | 1 $\frac{1}{16}$ " | 2 $\frac{1}{2}$ " | 3 $\frac{3}{8}$ " | 24 $\frac{3}{16}$ " | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 11 $\frac{1}{4}$ " | 9"                  | 10,12,14,16,18,20,22,24       |
| 22"       | 21 $\frac{1}{8}$ " | 19 $\frac{1}{4}$ "  | 30 $\frac{1}{4}$ " | 5"                 | 5"                | 2"                | 1 $\frac{1}{8}$ "  | 3"                | 3 $\frac{3}{4}$ " | 27 $\frac{1}{2}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 12"                | 10 $\frac{1}{4}$ "  | 16,18,20,22,24,26             |
| 24"       | 23 $\frac{3}{8}$ " | 21 $\frac{1}{4}$ "  | 33 $\frac{1}{2}$ " | 6"                 | 5 $\frac{1}{4}$ " | 2 $\frac{1}{4}$ " | 2"                 | 3 $\frac{1}{2}$ " | 4"                | 30 $\frac{3}{8}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 13 $\frac{1}{2}$ " | 11 $\frac{1}{16}$ " | 12,14,16,18,20,22,24,26,28,30 |
| 28"       | 28"                | 24 $\frac{3}{8}$ "  | 38"                | 6 $\frac{3}{4}$ "  | 6 $\frac{1}{2}$ " | 2 $\frac{1}{2}$ " | 2 $\frac{1}{4}$ "  | 3 $\frac{3}{4}$ " | 4 $\frac{3}{4}$ " | 33 $\frac{3}{8}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 15 $\frac{1}{2}$ " | 11 $\frac{1}{4}$ "  | 20,22,24,26,28                |
| 30"       | 29 $\frac{3}{8}$ " | 26 $\frac{1}{2}$ "  | 41 $\frac{1}{8}$ " | 6 $\frac{1}{2}$ "  | 5 $\frac{7}{8}$ " | 2 $\frac{1}{2}$ " | 3"                 | 4"                | 4 $\frac{3}{4}$ " | 38 $\frac{3}{4}$ "  | 1 $\frac{1}{2}$ " | 10 $\frac{1}{4}$ " | 14 $\frac{3}{4}$ " | 14 $\frac{3}{8}$ "  | 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 Decorative Capital dimensions.   Standard Fluted Column (Fluted in mold)

• Split columns are not load bearing.



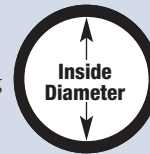
## COLUMN-LOC®

Column-Loc® creates a continuous connection from floor to beam/header without the expense of splitting and reattaching the column. This labor saving product is easy to install and delivers wind uplift resistance especially important in coastal and high wind areas. Currently available for 8" and 10" round (tapered and no-taper) and square PermaCast® columns. Kits are available with and without threaded rod in lengths up to 12'.



## ROUND PERMACAST® INSIDE DIMENSIONS

Inside dimension 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 $\frac{3}{8}$ "   | 4 $\frac{1}{8}$ "   |
| 8"          | 5 $\frac{1}{2}$ "   | 6 $\frac{1}{8}$ "   |
| 10"         | 7 $\frac{3}{8}$ "   | 8 $\frac{1}{8}$ "   |
| 12"         | 8 $\frac{3}{8}$ "   | 10 $\frac{1}{8}$ "  |
| 14"         | 10 $\frac{7}{8}$ "  | 12 $\frac{7}{8}$ "  |
| 16"         | 12 $\frac{7}{8}$ "  | 15"                 |
| 18"         | 14 $\frac{1}{2}$ "  | 16 $\frac{3}{8}$ "  |
| 20"         | 16 $\frac{3}{16}$ " | 18 $\frac{3}{8}$ "  |
| 22"         | 18 $\frac{3}{8}$ "  | 20 $\frac{1}{16}$ " |
| 24"         | 20"                 | 22 $\frac{3}{8}$ "  |
| 28"         | 22 $\frac{7}{8}$ "  | 26 $\frac{3}{4}$ "  |
| 30"         | 25 $\frac{1}{4}$ "  | 28 $\frac{3}{8}$ "  |

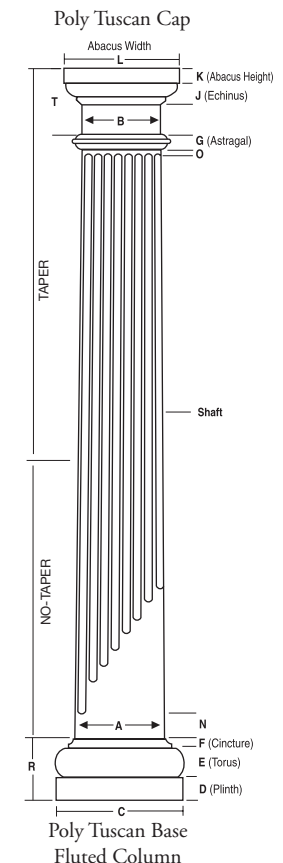
\*Plain columns only

## PLUMB-FIT®

To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the Plumb-Fit® patented (Patent 9689674) installation system included.

## 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.



Buffalo Contracting Services, LLC  
9976 Trophy Oaks Dr.  
Garden Ridge, TX 78266 US  
(210) 685-8848  
danielsexton80@gmail.com

## Estimate



| ADDRESS                             |
|-------------------------------------|
| Beaver Meadows II, LLC<br>131 Adams |

| ESTIMATE #   | DATE       |  |
|--------------|------------|--|
| 1140 Carport | 10/05/2020 |  |

| ITEM   | COST               |
|--|--------------------|
| Demo existing carport  | 1,800.00           |
| Demo existing cracked and crumbling concrete foundation. Place new compacted base, install rebar reinforcement. Place concrete with broom finish | 15,468.00          |
| Set new round columns, install headers and rafters per drawings  | 6,130.00           |
| Paint new columns, fascia and rafters  | 1,375.00           |
| Install new standing seam roof   | 11,600.00          |
| Install lighting and electrical outlets per plan   | 2,100.00           |
| job site cleanup upon completion. Includes necessary permits and inspections   | 1,125.00           |
| TOTAL  | <b>\$39,598.00</b> |

Accepted By

Accepted Date

Buffalo Contracting Services, LLC  
9976 Trophy Oaks Dr.  
Garden Ridge, TX 78266 US  
(210) 685-8848  
danielsexton80@gmail.com

## Estimate



| ADDRESS                             |
|-------------------------------------|
| Beaver Meadows II, LLC<br>131 Adams |

| ESTIMATE #   | DATE       |  |
|--------------|------------|--|
| 1140 Carport | 10/05/2020 |  |

| ITEM   | COST               |
|--|--------------------|
| Demo existing carport  | 1,800.00           |
| Demo existing cracked and crumbling concrete foundation. Place new compacted base, install rebar reinforcement. Place concrete with broom finish | 15,468.00          |
| Set new round columns, install headers and rafters per drawings  | 6,130.00           |
| Paint new columns, fascia and rafters  | 1,375.00           |
| Install new standing seam roof   | 11,600.00          |
| Install lighting and electrical outlets per plan   | 2,100.00           |
| job site cleanup upon completion. Includes necessary permits and inspections   | 1,125.00           |
| TOTAL  | <b>\$39,598.00</b> |

Accepted By

Accepted Date