

# HISTORIC AND DESIGN REVIEW COMMISSION

October 02, 2024

**HDRC CASE NO:** 2024-340  
**ADDRESS:** 205 E RISCHE  
**LEGAL DESCRIPTION:** NCB 2973 BLK 5 LOT 5  
**ZONING:** RM-4, H  
**CITY COUNCIL DIST.:** 1  
**DISTRICT:** Nathan Historic District  
**APPLICANT:** FELIX ZIGA/ZIGA ARCHITECTURE STUDIO PLLC  
**OWNER:** BRUCE FOREY/BXF ENTERPRISES LLC  
**TYPE OF WORK:** Front porch reconstruction, fenestration modifications, construction of a rear addition, construction of a carport  
**APPLICATION RECEIVED:** September 13, 2024  
**60-DAY REVIEW:** November 12, 2024  
**CASE MANAGER:** Claudia Espinosa

## REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to:

1. Reconstruct the 219sf front porch with doric columns and 1x3 tongue and groove decking.
2. Modify the fenestration on the front elevation with the replacement of one (1) secondary door on the front facade with a salvaged vinyl window from the rear addition.
3. Construct an approximately 945sf rear addition with Hardie siding, double hung wood sashed windows, and a standing seam metal roof
4. Construct a 96sf full-length rear porch with doric columns and a standing seam metal roof
5. Construct a new 400 sf detached carport with a standing seam metal roof, doric columns, and Hardie siding.

## APPLICABLE CITATIONS:

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

### 2. Fences and Walls

#### A. HISTORIC FENCES AND WALLS

i. *Preserve*—Retain historic fences and walls.

ii. *Repair and replacement*—Replace only deteriorated sections that are beyond repair. Match replacement materials (including mortar) to the color, texture, size, profile, and finish of the original.

iii. *Application of paint and cementitious coatings*—Do not paint historic masonry walls or cover them with stone facing or stucco or other cementitious coatings.

#### B. NEW FENCES AND WALLS

i. *Design*—New fences and walls should appear similar to those used historically within the district in terms of their scale, transparency, and character. Design of fence should respond to the design and materials of the house or main structure.

ii. *Location*—Avoid installing a fence or wall in a location where one did not historically exist, particularly within the front yard. The appropriateness of a front yard fence or wall is dependent on conditions within a specific historic district. New front yard fences or wall should not be introduced within historic districts that have not historically had them.

iii. *Height*—Limit the height of new fences and walls within the front yard to a maximum of four feet. The appropriateness of a front yard fence is dependent on conditions within a specific historic district. New front yard fences should not be introduced within historic districts that have not historically had them. If a taller fence or wall existed historically, additional height may be considered. The height of a new retaining wall should not exceed the height of the slope it retains.

iv. *Prohibited materials*—Do not use exposed concrete masonry units (CMU), Keystone or similar interlocking retaining wall systems, concrete block, vinyl fencing, or chain link fencing.

v. *Appropriate materials*—Construct new fences or walls of materials similar to fence materials historically used in the district. Select materials that are similar in scale, texture, color, and form as those historically used in the district, and that are compatible with the main structure. Screening incompatible uses—Review alternative fence heights and materials for appropriateness where residential properties are adjacent to commercial or other potentially incompatible uses.

#### C. PRIVACY FENCES AND WALLS

- i. *Relationship to front facade*—Set privacy fences back from the front façade of the building, rather than aligning them with the front façade of the structure to reduce their visual prominence.
- ii. *Location* – Do not use privacy fences in front yards.

### *Historic Design Guidelines, Chapter 2, Exterior Maintenance and Alterations*

#### 3. Materials: Roofs

##### A. MAINTENANCE (PRESERVATION)

i. *Regular maintenance and cleaning*—Avoid the build-up of accumulated dirt and retained moisture. This can lead to the growth of moss and other vegetation, which can lead to roof damage. Check roof surface for breaks or holes and flashing for open seams and repair as needed.

##### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

i. *Roof replacement*—Consider roof replacement when more than 25-30 percent of the roof area is damaged or 25-30 percent of the roof tiles (slate, clay tile, or cement) or shingles are missing or damaged.

ii. *Roof form*—Preserve the original shape, line, pitch, and overhang of historic roofs when replacement is necessary.

iii. *Roof features*—Preserve and repair distinctive roof features such as cornices, parapets, dormers, open eaves with exposed rafters and decorative or plain rafter tails, flared eaves or decorative purlins, and brackets with shaped ends.

iv. *Materials: sloped roofs*—Replace roofing materials in-kind whenever possible when the roof must be replaced. Retain and re-use historic materials when large-scale replacement of roof materials other than asphalt shingles is required (e.g., slate or clay tiles). Salvaged materials should be re-used on roof forms that are most visible from the public right-of-way. Match new roofing materials to the original materials in terms of their scale, color, texture, profile, and style, or select materials consistent with the building style, when in-kind replacement is not possible.

v. *Materials: flat roofs*—Allow use of contemporary roofing materials on flat or gently sloping roofs not visible from the public right-of-way.

vi. *Materials: metal roofs*—Use metal roofs on structures that historically had a metal roof or where a metal roof is appropriate for the style or construction period. Refer to Checklist for Metal Roofs on page 10 for desired metal roof specifications when considering a new metal roof. New metal roofs that adhere to these guidelines can be approved administratively as long as documentation can be provided that shows that the home has historically had a metal roof.

vii. *Roof vents*—Maintain existing historic roof vents. When deteriorated beyond repair, replace roof vents in-kind or with one similar in design and material to those historically used when in-kind replacement is not possible.

#### 4. Materials: Metal

##### A. MAINTENANCE (PRESERVATION)

i. *Cleaning*—Use the gentlest means possible when cleaning metal features to avoid damaging the historic finish. Prepare a test panel to determine appropriate cleaning methods before proceeding. Use a wire brush to remove corrosion or paint build up on hard metals like wrought iron, steel, and cast iron.

ii. *Repair*—Repair metal features using methods appropriate to the specific type of metal.

iii. *Paint*—Avoid painting metals that were historically exposed such as copper and bronze.

##### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

i. *Replacement*—Replace missing or significantly damaged metal features in-kind or with a substitute compatible in size, form, material, and general appearance to the historical feature when in-kind replacement is not possible.

ii. *Rust*—Select replacement anchors of stainless steel to limit rust and associated expansion that can cause cracking of the surrounding material such as wood or masonry. Insert anchors into the mortar joints of masonry buildings.

iii. *New metal features*—Add metal features based on accurate evidence of the original, such as photographs. Base the design on the architectural style of the building and historic patterns if no such evidence exists.

#### 6. Architectural Features: Doors, Windows, and Screens

##### A. MAINTENANCE (PRESERVATION)

i. *Openings*—Preserve existing window and door openings. Avoid enlarging or diminishing to fit stock sizes or air conditioning units. Avoid filling in historic door or window openings. Avoid creating new primary entrances or window openings on the primary façade or where visible from the public right-of-way.

ii. *Doors*—Preserve historic doors including hardware, fanlights, sidelights, pilasters, and entablatures.

iii. *Windows*—Preserve historic windows. When glass is broken, the color and clarity of replacement glass should match the original historic glass.

iv. *Screens and shutters*—Preserve historic window screens and shutters.

v. *Storm windows*—Install full-view storm windows on the interior of windows for improved energy efficiency. Storm window may be installed on the exterior so long as the visual impact is minimal and original architectural details are not obscured.

#### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Doors*—Replace doors, hardware, fanlight, sidelights, pilasters, and entablatures in-kind when possible and when deteriorated beyond repair. When in-kind replacement is not feasible, ensure features match the size, material, and profile of the historic element.
- ii. *New entrances*—Ensure that new entrances, when necessary to comply with other regulations, are compatible in size, scale, shape, proportion, material, and massing with historic entrances.
- iii. *Glazed area*—Avoid installing interior floors or suspended ceilings that block the glazed area of historic windows.
- iv. *Window design*—Install new windows to match the historic or existing windows in terms of size, type, configuration, material, form, appearance, and detail when original windows are deteriorated beyond repair.
- v. *Muntins*—Use the exterior muntin pattern, profile, and size appropriate for the historic building when replacement windows are necessary. Do not use internal muntins sandwiched between layers of glass.
- vi. *Replacement glass*—Use clear glass when replacement glass is necessary. Do not use tinted glass, reflective glass, opaque glass, and other non-traditional glass types unless it was used historically. When established by the architectural style of the building, patterned, leaded, or colored glass can be used.
- vii. *Non-historic windows*—Replace non-historic incompatible windows with windows that are typical of the architectural style of the building.
- viii. *Security bars*—Install security bars only on the interior of windows and doors.
- ix. *Screens*—Utilize wood screen window frames matching in profile, size, and design of those historically found when the existing screens are deteriorated beyond repair. Ensure that the tint of replacement screens closely matches the original screens or those used historically.
- x. *Shutters*—Incorporate shutters only where they existed historically and where appropriate to the architectural style of the house. Shutters should match the height and width of the opening and be mounted to be operational or appear to be operational. Do not mount shutters directly onto any historic wall material.

### 7. Architectural Features: Porches, Balconies, and Porte-Cocheres

#### A. MAINTENANCE (PRESERVATION)

- i. *Existing porches, balconies, and porte-cocheres*—Preserve porches, balconies, and porte-cocheres. Do not add new porches, balconies, or porte-cocheres where not historically present.
- ii. *Balusters*—Preserve existing balusters. When replacement is necessary, replace in-kind when possible or with balusters that match the originals in terms of materials, spacing, profile, dimension, finish, and height of the railing.
- iii. *Floors*—Preserve original wood or concrete porch floors. Do not cover original porch floors of wood or concrete with carpet, tile, or other materials unless they were used historically.

#### B. ALTERATIONS (REHABILITATION, RESTORATION, AND RECONSTRUCTION)

- i. *Front porches*—Refrain from enclosing front porches. Approved screen panels should be simple in design as to not change the character of the structure or the historic fabric.
- ii. *Side and rear porches*—Refrain from enclosing side and rear porches, particularly when connected to the main porch or balcony. Original architectural details should not be obscured by any screening or enclosure materials. Alterations to side and rear porches should result in a space that functions, and is visually interpreted as, a porch.
- iii. *Replacement*—Replace in-kind porches, balconies, porte-cocheres, and related elements, such as ceilings, floors, and columns, when such features are deteriorated beyond repair. When in-kind replacement is not feasible, the design should be compatible in scale, massing, and detail while materials should match in color, texture, dimensions, and finish.
- iv. *Adding elements*—Design replacement elements, such as stairs, to be simple so as to not distract from the historic character of the building. Do not add new elements and details that create a false historic appearance.
- v. *Reconstruction*—Reconstruct porches, balconies, and porte-cocheres based on accurate evidence of the original, such as photographs. If no such evidence exists, the design should be based on the architectural style of the building and historic patterns.

### *Historic Design Guidelines, Chapter 3, Guidelines for Additions*

#### 1. Massing and Form of Residential Additions

##### A. GENERAL

- i. *Minimize visual impact*—Site residential additions at the side or rear of the building whenever possible to minimize views of the addition from the public right-of-way. An addition to the front of a building would be inappropriate.

- ii. *Historic context*—Design new residential additions to be in keeping with the existing, historic context of the block. For example, a large, two-story addition on a block comprised of single-story homes would not be appropriate.
- iii. *Similar roof form*—Utilize a similar roof pitch, form, overhang, and orientation as the historic structure for additions.
- iv. *Transitions between old and new*—Utilize a setback or recessed area and a small change in detailing at the seam of the historic structure and new addition to provide a clear visual distinction between old and new building forms.

#### B. SCALE, MASSING, AND FORM

- i. *Subordinate to principal facade*—Design residential additions, including porches and balconies, to be subordinate to the principal façade of the original structure in terms of their scale and mass.
- ii. *Rooftop additions*—Limit rooftop additions to rear facades to preserve the historic scale and form of the building from the street level and minimize visibility from the public right-of-way. Full-floor second story additions that obscure the form of the original structure are not appropriate.
- iii. *Dormers*—Ensure dormers are compatible in size, scale, proportion, placement, and detail with the style of the house. Locate dormers only on non-primary facades (those not facing the public right-of-way) if not historically found within the district.
- iv. *Footprint*—The building footprint should respond to the size of the lot. An appropriate yard to building ratio should be maintained for consistency within historic districts. Residential additions should not be so large as to double the existing building footprint, regardless of lot size.
- v. *Height*—Generally, the height of new additions should be consistent with the height of the existing structure. The maximum height of new additions should be determined by examining the line-of-sight or visibility from the street. Addition height should never be so contrasting as to overwhelm or distract from the existing structure.

### 3. Materials and Textures

#### A. COMPLEMENTARY MATERIALS

- i. *Complementary materials*— Use materials that match in type, color, and texture and include an offset or reveal to distinguish the addition from the historic structure whenever possible. Any new materials introduced to the site as a result of an addition must be compatible with the architectural style and materials of the original structure
- ii. *Metal roofs*—Construct new metal roofs in a similar fashion as historic metal roofs. Refer to the Guidelines for Alternations and Maintenance section for additional specifications regarding metal roofs.
- iii. *Other roofing materials*—Match original roofs in terms of form and materials. For example, when adding on to a building with a clay tile roof, the addition should have a roof that is clay tile, synthetic clay tile, or a material that appears similar in color and dimension to the existing clay tile.

#### B. INAPPROPRIATE MATERIALS

- i. *Imitation or synthetic materials*—Do not use imitation or synthetic materials, such as vinyl siding, brick or simulated stone veneer, plastic, or other materials not compatible with the architectural style and materials of the original structure.

#### C. REUSE OF HISTORIC MATERIALS

- i. *Salvage*—Salvage and reuse historic materials, where possible, that will be covered or removed as a result of an addition.

### 4. Architectural Details

#### A. GENERAL

- i. *Historic context*—Design additions to reflect their time while respecting the historic context. Consider character-defining features and details of the original structure in the design of additions. These architectural details include roof form, porches, porticos, cornices, lintels, arches, quoins, chimneys, projecting bays, and the shapes of window and door openings.
- ii. *Architectural details*—Incorporate architectural details that are in keeping with the architectural style of the original structure. Details should be simple in design and compliment the character of the original structure. Architectural details that are more ornate or elaborate than those found on the original structure should not be used to avoid drawing undue attention to the addition.
- iii. *Contemporary interpretations*—Consider integrating contemporary interpretations of traditional designs and details for additions. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the addition is new.

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

### 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.

## FINDINGS:

- a. The primary structure located at 205 E Rische is a 1-story residential structure constructed circa 1900 in the Folk Victorian style. The structure first appears on the 1904 Sanborn Map. The structure features a wing and gable roof form, a standing seam metal roof, an asymmetrical front porch with wood post, 105 wood siding, and traditional one-over-one sash windows. There is an existing rear addition and rear accessory structure that are located on the property, but not contributing to the primary structure. The property is contributing to the Nathan Historic District.
- b. FRONT PORCH RECONSTRUCTION – The applicant is requesting to reconstruct the 219sf front porch with in-kind materials. The Guidelines for Exterior Maintenance and Alterations 7.B.v, state to reconstruct porches, balconies, and porte-cocheres based on accurate evidence of the original, such as photographs. If no such evidence exists, the design should be based on the architectural style of the building and historic patterns. The front porch is present on the 1904 Sanborn Map and the reconstruction of the front porch continues to follow the original footprint. The proposed architectural design matches the character defining features of a Folk Victorian house in the Nathan Historic District. Staff finds this request to be consistent with the guidelines.
- c. FRONT PORCH (MATERIALS) – The applicant is requesting to reconstruct the front porch with a standing seam metal roof, replace the wood posts with permacast doric columns, and install 1x3 tongue and groove decking. The Guidelines for Exterior Maintenance and Alterations 7.B.iii, state to replace in-kind porches, balconies, porte-cocheres, and related elements, such as ceilings, floors, and columns, when such features are deteriorated beyond repair. When in-kind replacement is not feasible, the design should be compatible in scale, massing, and detail while materials should match in color, texture, dimensions, and finish. Staff finds the materials and design of the front porch reconstruction to be appropriate.
- d. FENESTRATION MODIFICATION (DOOR TO WINDOW) – The applicant is requesting to replace a secondary front door on the front porch, that is likely not historic, with a salvaged vinyl window from the existing rear addition. The structure on the 1904 through the 1951 Sanborn maps does not show evidence of a duplex or additional front door opening. Additionally, the secondary front door does not have a transom, which is traditional for a Folk Victorian front door, and the header height of the secondary door is not aligned with the rest of the openings. The Guidelines for Exterior Maintenance and Alterations 6.A.i, state to preserve existing window and door openings. Avoid filling in historic door or window openings. Avoid creating new primary entrances or window openings on the primary façade or where visible from the public right-of-way. Staff finds the fenestration modification to be consistent with the guidelines.
- e. REAR ADDITION (LOT COVERAGE) – The applicant has proposed to construct a 1-story 945sf rear addition with Hardie siding, double hung wood windows, and a standing seam metal roof. Per the plans provided, the total square footage of the primary structure, including the porch and existing rear addition is approximately 1,985 square feet. According to the Historic Design Guidelines, the building footprint for new construction should be limited 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. A building footprint should respond to the size of the lot. The applicant has proposed a total square footage of 945 square feet for the addition and a total square footage of 2,533 for the

primary structure and the proposed addition with a total lot coverage of approximately 37%. Staff finds the proposal consistent with the Guidelines.

- f. REAR ADDITION (MASSING AND FOOTPRINT) – The original primary structure is 1,645 square feet. Guideline 1.B.i for Additions stipulates that residential additions should be designed to be subordinate to the principal façade of the original structure in terms of scale and mass. Guideline 2.B.iv for Additions states that the building footprint should respond to the size of the lot. An appropriate yard-to-building ratio should be maintained for consistency within historic districts. Residential additions should not be so large as to double the existing building footprint, regardless of lot size. The proposed addition extends approximately 284 sf past the existing footprint, however, staff finds the proposal consistent with the Guidelines.
- g. REAR ADDITION (ROOF FORM) – The applicant has proposed to install a shed roof form on the rear addition. The roof form of the addition will not be visible from the public right-of-way. Guideline 1.A.iii for Additions stipulates that residential additions should utilize a similar roof pitch, form, overhang, and orientation as the historic structure. Staff finds the proposed roof form generally appropriate.
- h. REAR ADDITION (ROOF MATERIAL) – The applicant has proposed to install a standing seam metal roof on the rear addition to match the existing roof material on the primary structure. Guideline 3.A.iii for Additions stipulates that original roofs should be matched in terms of form and materials. For example, when adding on to a building with a clay tile roof, the addition should have a roof that is clay tile, synthetic clay tile, or a material that appears similar in color and dimension to the existing clay tile. The standing seam metal roof must feature panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and match the current finish or a standard galvalume finish. Panels should be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration; no vented ridge caps or end caps are allowed. All chimney, flue, and related existing roof details must be preserved. An inspection must be scheduled with OHP staff prior to the start of work to verify that the roofing material matches the approved specifications. No modifications to the existing roof pitch or roof form of the primary structure are requested at this time. Staff finds the proposal consistent with the Guidelines.
- i. REAR ADDITION (NEW WINDOWS AND DOORS) – The applicant has proposed to install windows with traditional proportions on the north, east, and west elevations of the addition. Staff’s standard window specifications state that new windows should feature traditional dimensions and proportions as found within the district. Staff finds the size and proportion of the proposed windows to be appropriate.
- j. REAR ADDITION (RELATIONSHIP OF SOLIDS TO VOIDS) – According to the Historic Design Guidelines, new construction should 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. 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. The applicant has proposed to install three (3) windows on the east elevation, four (4) windows and three (3) doors on the north (rear) elevation, and one (1) window opening on the west elevation of the addition. Staff finds fenestration pattern to be appropriate.
- k. REAR ADDITION (MATERIALS: NEW WINDOWS) – The applicant has proposed to install Jeld-Wen 2500 fully wood windows. Guideline 3.B.i for Additions states that imitation or synthetic materials, such as vinyl siding, brick or simulated stone veneer, plastic, or other materials not compatible with the architectural style and materials of the original structure, may not be used. Wood or aluminum-clad wood windows are recommended and should feature an inset of two (2) inches within facades and should feature profiles that are found historically within the immediate vicinity. An alternative window material may be proposed, provided that the window features meeting rails that are no taller than 1.25” and stiles no wider than 2.25”. White manufacturer’s color is not allowed, and color selection must be presented to staff. There should be a minimum of two inches in depth between the front face of the window trim and the front face of the top window sash. This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness. Window trim must feature traditional dimensions and an architecturally appropriate sill detail. Window track components must be painted to match the window trim or be concealed by a wood window screen set within the opening. Staff finds the proposal consistent with the Guidelines.
- l. REAR ADDITION (MATERIALS: FAÇADE) – The applicant has proposed to install Hardie lap siding on the rear addition. Guideline 3.A.i for Additions stipulates that additions should use materials that match in type, color, and texture and include an offset or reveal to distinguish the addition from the historic structure whenever possible. Any new materials introduced to the site as a result of an addition must be compatible with the architectural style and materials of the original. Staff finds the proposal consistent with the Guidelines.

- m. REAR ADDITION (ARCHITECTURAL DETAILS) – The applicant has proposed to construct a 1-story rear addition. Guideline 4.A.ii for Additions states that additions should incorporate architectural details that are in keeping with the architectural style of the original structure. Details should be simple in design and complement the character of the original structure. Architectural details that are more ornate or elaborate than those found on the original structure should not be used to avoid drawing undue attention to the addition. Guideline 4.A.iii for Additions states that applicants should consider integrating contemporary interpretations of traditional designs and details for additions. Use of contemporary window moldings and door surroundings, for example, can provide visual interest while helping to convey the fact that the addition is new. Guideline 2.A.v recommends that for side or rear additions utilize setbacks, a small change in detailing, or a recessed area at the seam of the historic structure and new addition to provide a clear visual distinction between old and new building forms. The applicant has proposed the installation of a trim piece on the north and south elevations. Staff finds the proposal appropriate.
- n. REAR PORCH CONSTRUCTION – The applicant is requesting to construct a 96sf full-length rear porch with doric columns and a standing seam metal roof. The Guidelines for Exterior Maintenance and Alterations 7.B.v, state to reconstruct porches, balconies, and porte-cocheres based on accurate evidence of the original, such as photographs. If no such evidence exists, the design should be based on the architectural style of the building and historic patterns. Per the 1904 Sanborn Map the original footprint of the rear porch is an asymmetrical shape rather than a full-length porch, however, the rear porch is proposed to be setback from the original footprint and continue to have a design that reflects a Folk Victorian porch. The proposed architectural design matches the character defining features of a Folk Victorian house in the Nathan Historic District
- o. REAR PORCH (MATERIALS) – The applicant is requesting to reconstruct the rear porch with a standing seam metal roof, permacast doric columns, Hardie siding, and install 1x3 tongue and groove decking. The Guidelines for Exterior Maintenance and Alterations 7.B.iii, state to replace in-kind porches, balconies, porte-cocheres, and related elements, such as ceilings, floors, and columns, when such features are deteriorated beyond repair. When in-kind replacement is not feasible, the design should be compatible in scale, massing, and detail while materials should match in color, texture, dimensions, and finish. Staff finds the materials and design of the front porch reconstruction to be appropriate.
- p. CARPORT – The applicant requests approval to construct a 400sf detached carport, approximately 16% of the primary structure’s footprint, with a standing seam metal roof, doric columns, and Hardie siding, measuring 10 feet in height. According to the plans provided the total square footage proposed would be 2,533, which includes the proposed primary structure, construction of two porches, and addition. The Guidelines for New Construction 5.A.i, notes that new garages and outbuildings should be visually subordinate to the primary historic structure in terms of their height, massing, and form, and should be no larger in plan than forty percent of the primary historic structure’s footprint. The Guidelines for New Construction 5.A.iii and iv note that new accessory structures should relate to the period of construction of the primary historic structure on the lot through the use of complementary materials and simplified architectural details. Staff finds the proposed footprint, frame, and roof requests for the proposed carport are generally appropriate.

**RECOMMENDATION:**

Item 1, staff recommends approval of the reconstruction of the 219sf front porch based on findings b and c.

- i. The proposed porch decking should feature 1” x 3” tongue-and-groove wood members laid perpendicular to the front façade plane.
- ii. Standing seam metal roof must feature panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and match the current finish or a standard galvalume finish. Panels must be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration; no vented ridge caps or end caps are allowed. All chimney, flue, and related existing roof details must be preserved. An inspection must be scheduled with OHP staff prior to the start of work to verify that the roofing material matches the approved specifications. No modifications to the roof pitch or roof form are requested or approved at this time.
- iii. That the replacement materials match the existing 105 siding in color, texture, dimensions, and finish.

Item 2, staff recommends approval of the infill of one (1) door on the front facade with a salvaged vinyl window based on finding d.

- i. That the salvage window features an inset of two (2) inches within facades and should feature profiles that are found historically within the immediate vicinity
- ii. That a wood window screen be placed on the modified window to conceal the proposed salvage window material.

Item 3, staff recommends approval of the construction the approximately 945sf rear addition, based on findings e through m.

- i. Composite siding must feature either a four (4) inch exposure or an exposure to match the profile of the existing siding of the historic structure (this must be submitted to staff for review and approval). All composite siding must feature a smooth finish with no faux wood grain texture.
- ii. Standing seam metal roof must feature panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and match the current finish or a standard galvalume finish. Panels must be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration; no vented ridge caps or end caps are allowed. All chimney, flue, and related existing roof details must be preserved. An inspection must be scheduled with OHP staff prior to the start of work to verify that the roofing material matches the approved specifications. No modifications to the roof pitch or roof form are requested or approved at this time.
- iii. That the applicant installs a fully wood window that meet staff's standard window stipulations and submits updated specifications to staff for review and approval. The windows should feature an inset of two (2) inches within facades and should feature profiles that are found historically within the immediate vicinity. Meeting rails must be no taller than 1.25" and stiles no wider than 2.25". White manufacturer's color is not allowed, and color selection must be presented to staff. There should be a minimum of two inches in depth between the front face of the window trim and the front face of the top window sash. This must be accomplished by recessing the window sufficiently within the opening or with the installation of additional window trim to add thickness. Window trim must feature traditional dimensions and architecturally appropriate sill detail. Window track components must be painted to match the window trim or concealed by a wood window screen set within the opening. An alternative window material may be proposed, provided that the window features meeting rails that are no taller than 1.25" and stiles no wider than 2.25".

Item 4, staff recommends approval of the construction of a 96sf full-length rear porch based on findings n and o.

- i. Composite siding must feature either a four (4) inch exposure or an exposure to match the profile of the existing siding of the historic structure (this must be submitted to staff for review and approval). All composite siding must feature a smooth finish with no faux wood grain texture.
- ii. Standing seam metal roof must feature panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and match the current finish or a standard galvalume finish. Panels must be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration; no vented ridge caps or end caps are allowed. All chimney, flue, and related existing roof details must be preserved. An inspection must be scheduled with OHP staff prior to the start of work to verify that the roofing material matches the approved specifications. No modifications to the roof pitch or roof form are requested or approved at this time.

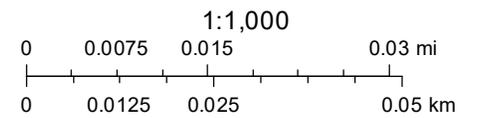
Item 5, staff recommends approval of the construct a 400sf detached carport based on finding p.

- i. Composite siding must feature either a four (4) inch exposure or an exposure to match the profile of the existing siding of the historic structure (this must be submitted to staff for review and approval). All composite siding must feature a smooth finish with no faux wood grain texture.
- ii. Standing seam metal roof must feature panels that are 18 to 21 inches wide, seams that are 1 to 2 inches high, a crimped ridge seam, and match the current finish or a standard galvalume finish. Panels must be smooth without striation or corrugation. Ridges are to feature a double-munch or crimped ridge configuration; no vented ridge caps or end caps are allowed. All chimney, flue, and related existing roof details must be preserved. An inspection must be scheduled with OHP staff prior to the start of work to verify that the roofing material matches the approved specifications. No modifications to the roof pitch or roof form are requested or approved at this time.

# City of San Antonio One Stop



September 26, 2024



# 205 Rische: Front



East



East



East



# Rear



# Rear



West





















Warning  
Do not touch the fan blades  
or other moving parts.  
They can cause injury.  
Always use proper safety  
precautions when working  
on this unit.





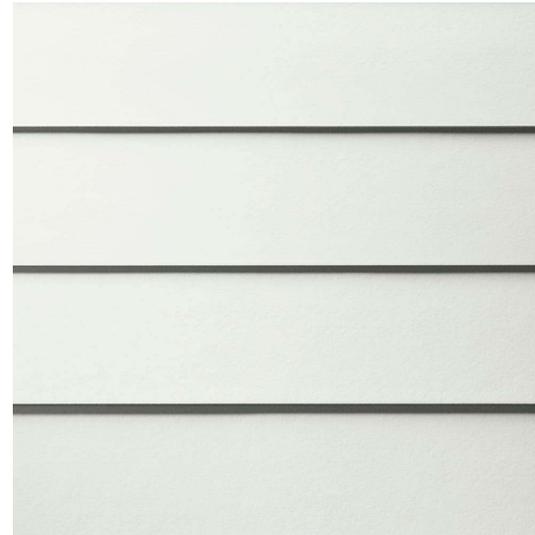
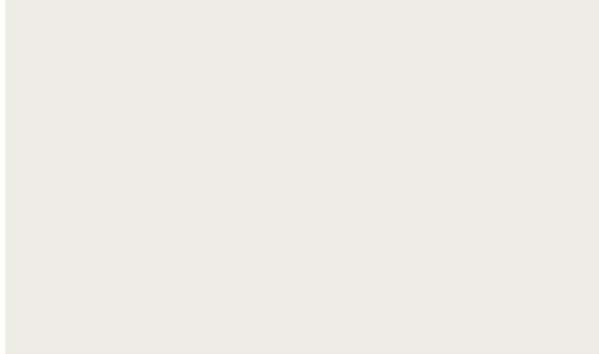


# Outbuilding



# EXTERIOR MATERIAL PALETTE

BODY/TRIM: SW7005 PURE WHITE



HARDIE LAP SIDING - ADDITION



ROUND TAPERED PORCH  
COLUMNS



STANDING SEAM METAL ROOF –  
GALVALUME FINISH



JELD-WEN W-2500 WOOD  
WINDOWS PRIMED AND  
PAINTED



EXISTING WOOD WINDOW SCREENS  
AND NEW WINDOWS: SW6258  
TRICORN BLACK

# HISTORIC REHABILITATION & ADDITION

205 E RISCHE ST., SAN ANTONIO, TX 78204



ZIGA ARCHITECTURE STUDIO  
Architecture | Interiors | Historic Preservation

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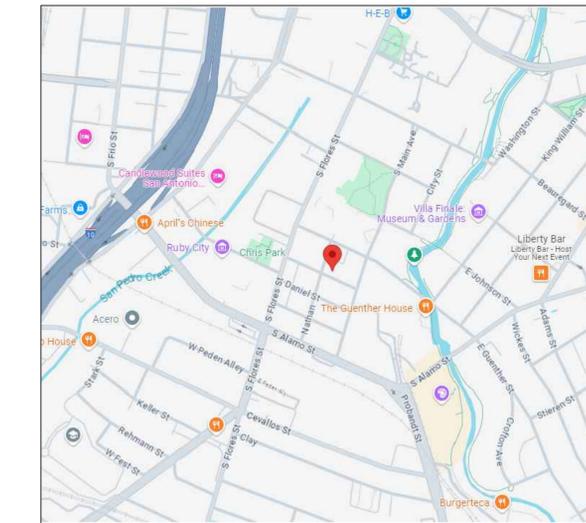
HISTORIC REHABILITATION &  
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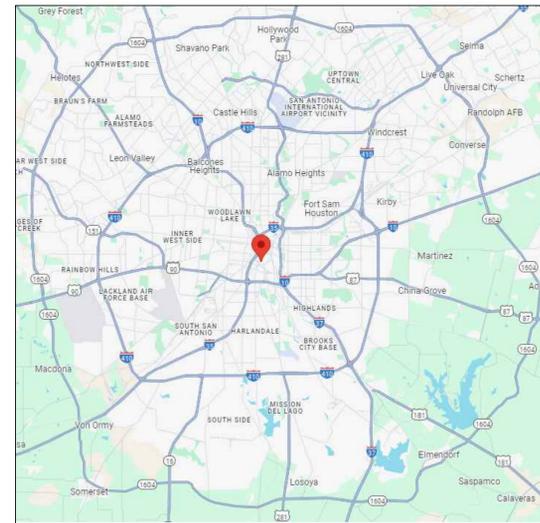
ISSUE

#	DATE	DESCRIPTION
1	09/04/2024	AS-BUILT SET
2	09/12/2024	HDRC SET



SITE LOCATION MAP #2

NOT TO SCALE



SITE LOCATION MAP #1

NOT TO SCALE



## GENERAL NOTES

- THE CONTRACT DOCUMENTS ARE COMPLIMENTARY, AND WHAT IS REQUIRED BY ONE, ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, OR ELECTRICAL DRAWINGS OR SPECIFICATIONS, ADDENDUM, BULLETIN, OR OTHER DOCUMENT, SHALL BE AS BINDING AS IF REQUIRED BY ALL. CONTRACTOR SHALL USE ONLY COMPLETE SETS OF CONTRACT DOCUMENTS FOR EACH AND EVERY ITEM OF WORK.
- CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODE, ORDINANCES, A.D.A. T.A.S., AND REGULATIONS OF ALL GOVERNING BODIES.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES, ORDINANCES AND STANDARD SPECIFICATIONS OF ALL AGENCIES THAT HAVE THE RESPONSIBILITY OF REVIEWING PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF ALL ITEMS PER THESE PLANS AND SPECIFICATIONS IN THIS LOCALITY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS AS REQUIRED FOR CONSTRUCTION OF THIS PROJECT.
- WHEN ANY EXISTING UTILITY REQUIRES ADJUSTMENT OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY AND COORDINATE HIS WORK ACCORDINGLY. THERE SHALL BE NO CLAIM MADE BY THE CONTRACTOR AND ANY COSTS CAUSED BY DELAYS IN CONSTRUCTION DUE TO THE ADJUSTMENT OR RELOCATION OF UTILITIES.
- ALL TRAFFIC CONTROLS ON THIS PROJECT SHALL ADHERE TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE OWNER SHALL NOT BE HELD LIABLE FOR ANY CLAIMS RESULTING FROM ACCIDENTS OR DAMAGES CAUSED BY THE CONTRACTOR'S FAILURE TO COMPLY WITH TRAFFIC AND PUBLIC SAFETY REGULATIONS DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT OR THE EXISTING RIGHT-OF-WAYS, CONSTRUCTION AND PERMANENT EASEMENTS, AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE CONSENT OF THE OWNER OF THE OTHER PROPERTY.
- THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION PROPERLY AND PROVIDE ALL SUITABLE FILL MATERIAL AS APPROVED BY THE SOILS ENGINEER, AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR THE RELATED ITEMS.
- EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH LOCAL AND/OR STATE REQUIREMENTS. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ADJACENT PROPERTY AT ALL TIMES DURING CONSTRUCTION. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO CAUSE ANY MUD, SILT OR DEBRIS ONTO PUBLIC OR ADJACENT PROPERTY. ANY MUD OR DEBRIS ON PUBLIC PROPERTY SHALL BE REMOVED IMMEDIATELY.
- ALL WORK SHALL BE GUARANTEED BY THE CONTRACTOR TO BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS AND IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THAT THE CONTRACTOR SHALL REPLACE OR REPAIR ANY WORK OR MATERIAL FOUND TO BE DEFECTIVE.
- CONTRACTOR SHALL VERIFY THAT THE PLANS AND SPECIFICATIONS THAT HE IS USING ARE THE VERY LATEST PLANS AND SPECIFICATIONS AND FURTHER SHALL VERIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY ALL APPLICABLE PERMIT-ISSUING AGENCIES.
- SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY AND ALL REVIEWING AND PERMIT-ISSUING AGENCIES, HE SHALL SEEK CLARIFICATION IN WRITING FROM THE ARCHITECT BEFORE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO SHALL BE AT SOLE EXPENSE TO THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER OF UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE PROPER UTILITY IMMEDIATELY UPON BREAK OR DAMAGE TO ANY UTILITY LINE OR APPURTENANCE, OR THE INTERRUPTION OF THEIR SERVICE. HE SHALL NOTIFY THE PROPER UTILITY INVOLVED, IF EXISTING UTILITY CONSTRUCTION CONFLICTS WITH REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- INSTALL ALL MANUFACTURED ITEMS, MATERIALS, AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, EXCEPT THAT THE SPECIFICATIONS, WHERE MORE STRINGENT, SHALL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, WATER, AND ELECTRICITY FOR ALL PROJECT FUNCTIONS, OFFICE, STORAGE, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN TELEPHONE, TOILET, VALVES, OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES SHALL BE REMOVED AT COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT IN A TIMELY MANNER THAT WILL ALLOW NOT LESS THAN 10 DAYS FOR REVIEW. THE GENERAL CONTRACTOR SHALL SUBMIT CORRECT NUMBER REQUIRED, BUT NOT LESS THAN 4 COPIES.
- THE GENERAL CONTRACTOR SHALL PROVIDE STREET NUMBERING ON THE BUILDING IN COMPLIANCE WITH LOCAL AUTHORITY.
- ALL PENETRATIONS THRU WALLS SHALL BE SEALED AIR/WATER TIGHT AND CAULKED WITH 2 PART SEALANT EACH SIDE.
- THE GENERAL CONTRACTOR SHALL PROVIDE (1) COPY OF AS-BUILT DRAWINGS TO THE OWNER AT THE COMPLETION OF THE PROJECT. AS-BUILT DRAWINGS SHALL BE KEPT ON THE JOB AT ALL TIMES AND UPDATED THROUGHOUT THE CONSTRUCTION PHASE.
- UNLESS NOTED OTHERWISE, SITE PLAN DIMENSIONS ARE TO FACE OF CURB, FLOOR PLAN DIMENSIONS ARE TO FACE OF STUDS, FRAMING, MASONRY, CONCRETE WALL PANELS, OR FOUNDATION WALLS.

## SHEET INDEX

CS	COVER SHEET
SP001	EXISTING SITE-ROOF PLAN
A001	EXISTING FLOOR PLAN
A002	EXISTING EXTERIOR ELEVATIONS
SP100	DEMOLITION & PROPOSED SITE-ROOF PLANS
A100	DEMOLITION & PROPOSED FLOOR PLANS
A200	DEMOLITION & PROPOSED EXTERIOR ELEVATIONS
A201	DEMOLITION & PROPOSED EXTERIOR ELEVATIONS
A401	CARPOR FLOOR PLAN & ELEVATIONS, COLUMN & PORCH DETAILS

## BUILDING DATA

SQ. FT.:	<b>1,645 S.F.</b>	<b>EXISTING LIVING</b>
	661 S.F.	EXISTING ADDITION DEMOLITION
	945 S.F.	RECONSTRUCTION / ADDITION
	<b>284 S.F.</b>	<b>NEW ADDITION</b>
	<b>1,974 S.F.</b>	<b>TOTAL CONDITIONED</b>
	<b>340 S.F.</b>	<b>EXISTING PORCH/PATIO</b>
	97 S.F.	EXISTING PORCH DEMOLITION
	316 S.F.	PORCH RECONSTRUCTION / ADDITION
	<b>219 S.F.</b>	<b>NEW PORCH ADDITION</b>
	233 S.F.	DETACHED SHED DEMOLITION
	<b>400 S.F.</b>	<b>NEW DETACHED 2-CAR CARPORT</b>
	<b>959 S.F.</b>	<b>TOTAL UNCONDITIONED</b>
	<b>2,933 S.F.</b>	<b>TOTAL GROSS S.F.</b>

## ARCHITECT

ZIGA ARCHITECTURE STUDIO, PLLC

11723 WHISPER VALLEY ST, SAN ANTONIO, TX 78230 | 210-201-3637

1700 S LAMAR BLVD, STE 338, AUSTIN, TX 78704 | 512-522-5505

INFO@STUDIOZIGA.COM | WWW.STUDIOZIGA.COM

## CODE INFORMATION

2021 INTERNATIONAL RESIDENTIAL CODE  
2021 IECC

COVER SHEET

PROJECT NO.	24-133
DATE:	09-12-24
DRAWN BY:	AMM / FJZ
REVIEWED BY:	FJZ
PROJECT ARCHITECT:	FELIX J. ZIGA JR., AIA
	TEXAS LICENSE NO. 24683

CS





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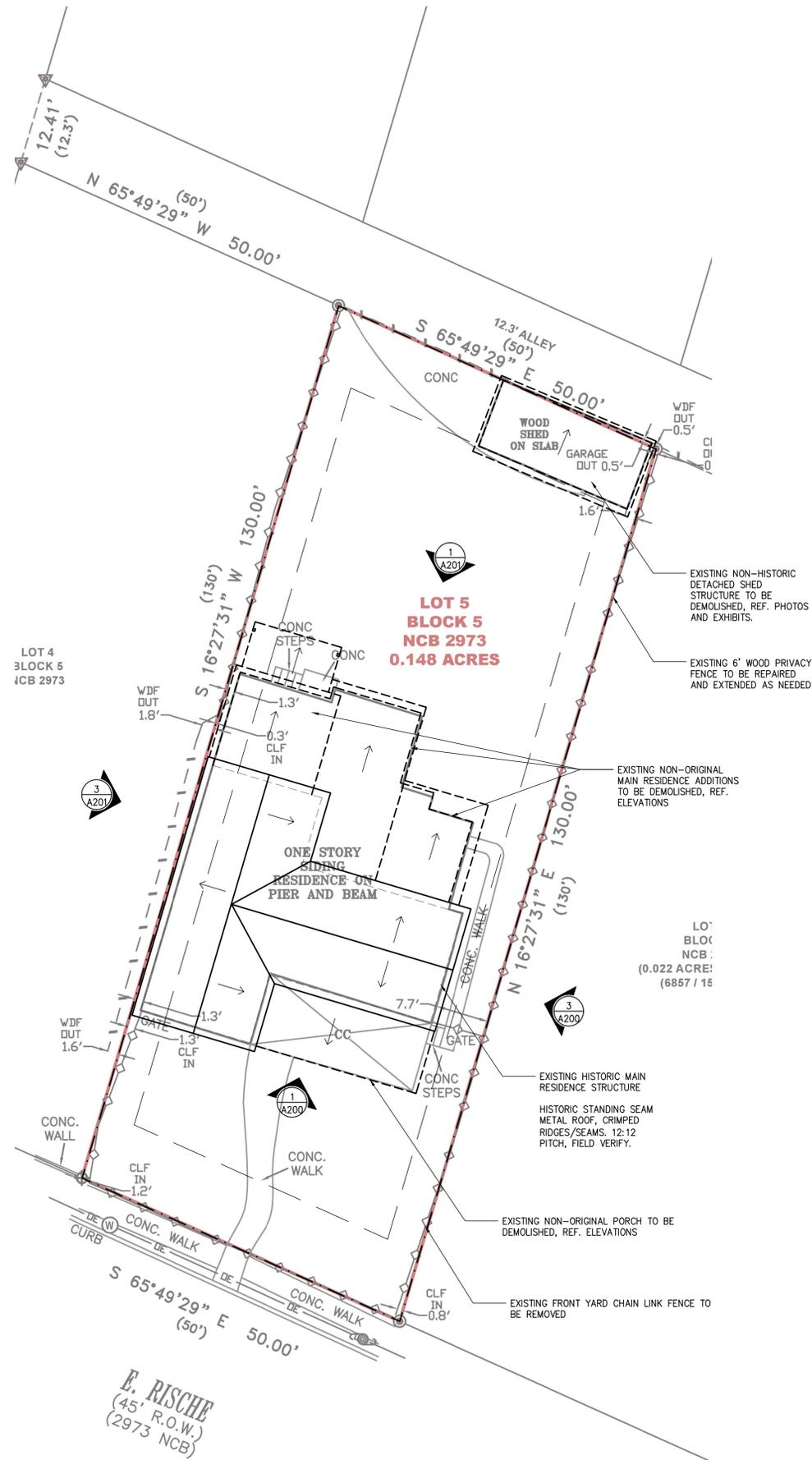
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1	09/04/2024	AS-BUILT SET
2	09/12/2024	HDRC SET

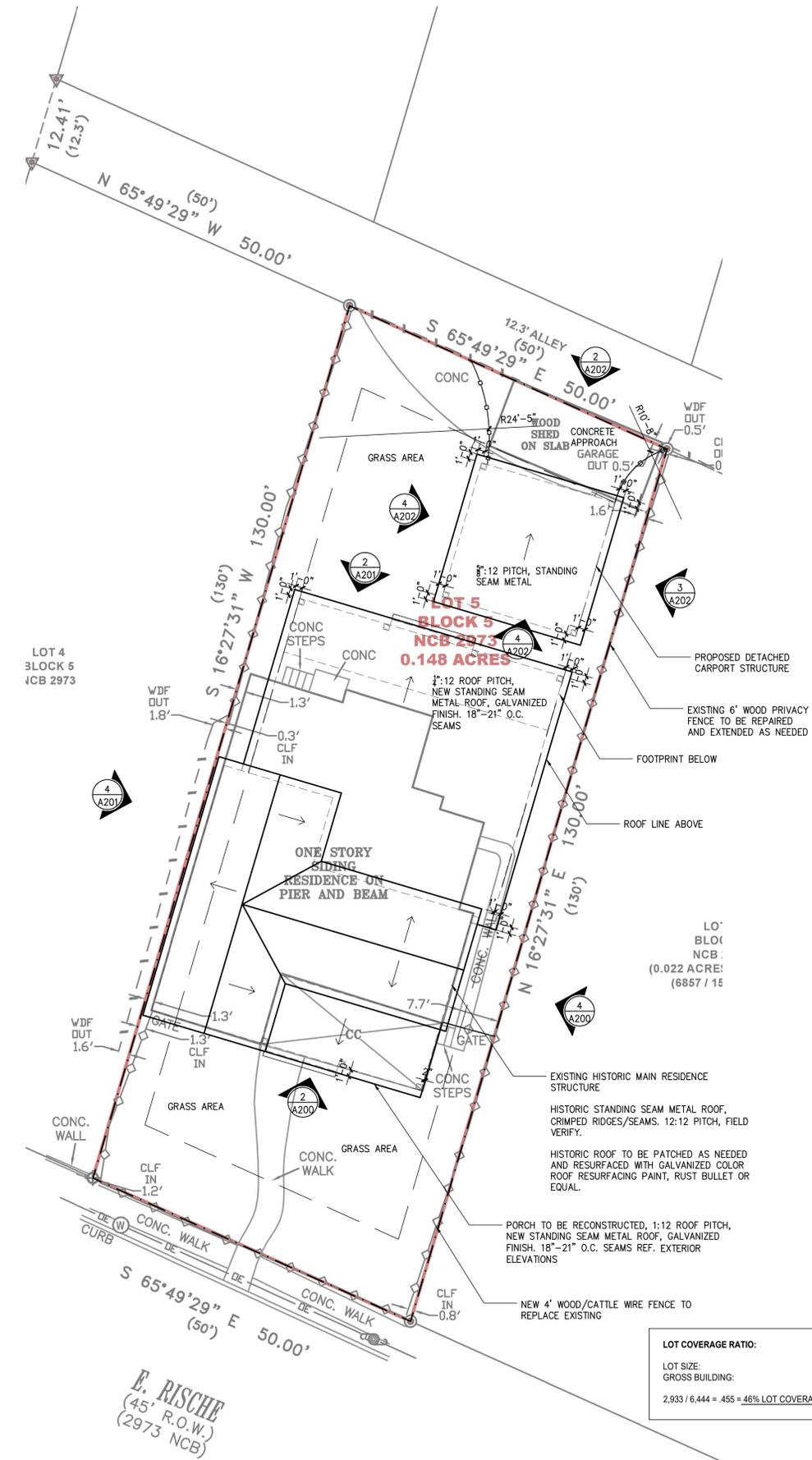
DEMO & PROPOSED  
SITE-ROOF PLAN

PROJECT NO.	24-133
DATE:	09-12-24
DRAWN BY:	AMM / FJZ
REVIEWED BY:	FJZ

PROJECT ARCHITECT:  
FELIX J. ZIGA JR., AIA  
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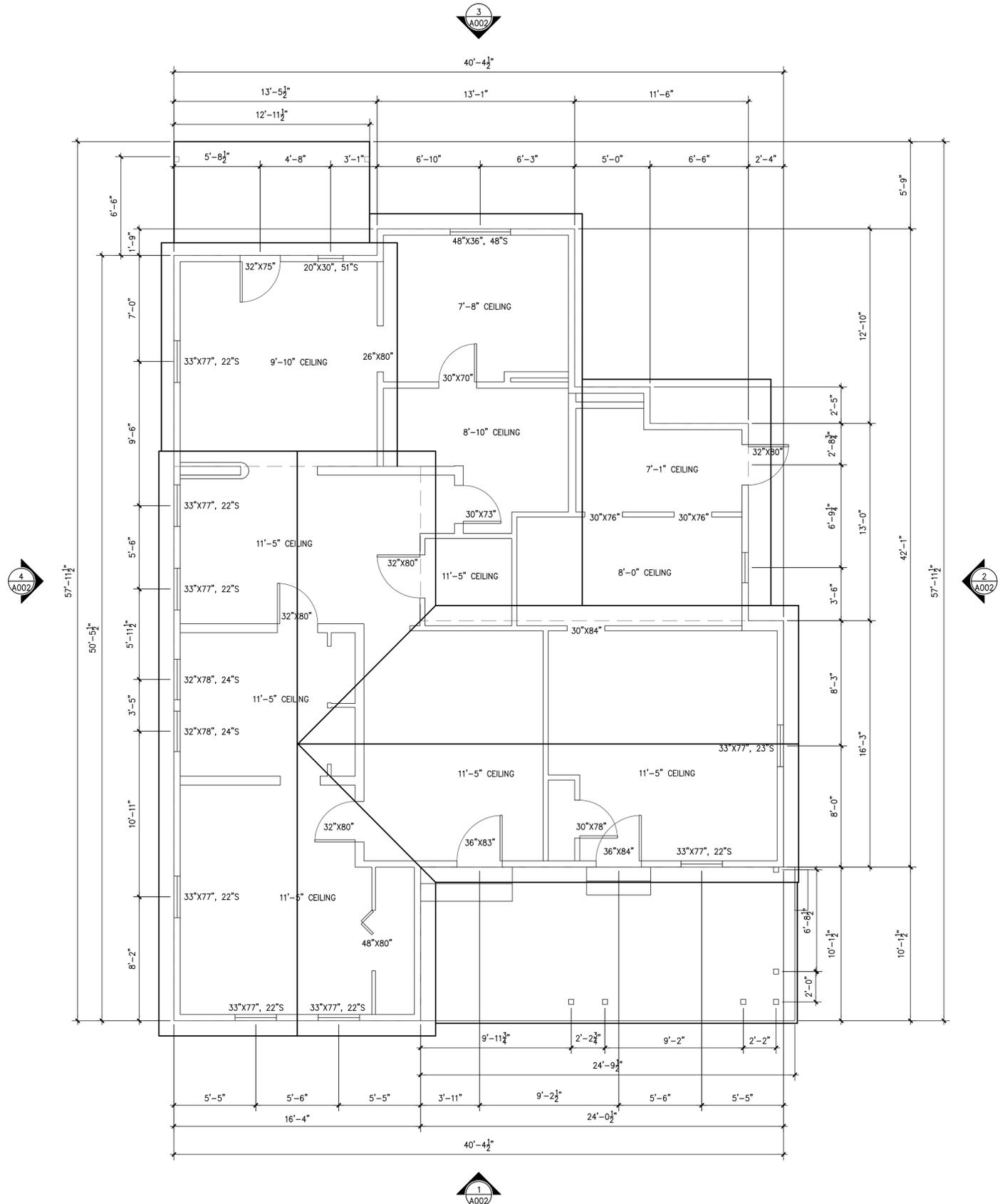
1 DEMOLITION SITE-ROOF PLAN  
SCALE: 1"=10'-0"



2 PROPOSED SITE-ROOF PLAN  
SCALE: 1"=10'-0"



LOT COVERAGE RATIO:	
LOT SIZE:	6,444 SF
GROSS BUILDING:	2,933 SF
2,933 / 6,444 = .456 = 46% LOT COVERAGE	



**SQUARE FOOTAGE DATA**

1,645 SQ. FT. CONDITIONED AREA  
 340 SQ. FT. COVERED PORCHES  
 233 SQ. FT. DETACHED SHED  
 2,218 SQ. FT. TOTAL GROSS AREA

**1 EXISTING FIRST FLOOR PLAN**  
 SCALE: 1/4"=1'-0"



**HISTORIC REHABILITATION & ADDITION**  
**205 E RISCHE ST.**  
**SAN ANTONIO, TX 78204**  
**BXF ENTERPRISES, LLC**

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2	09/12/2024	HDCR SET

**EXISTING FLOOR PLAN**

PROJECT NO.	24-133
DATE:	09-12-24
DRAWN BY:	AMM / FJZ
REVIEWED BY:	FJZ
PROJECT ARCHITECT:	
FELIX J. ZIGA JR., AIA	
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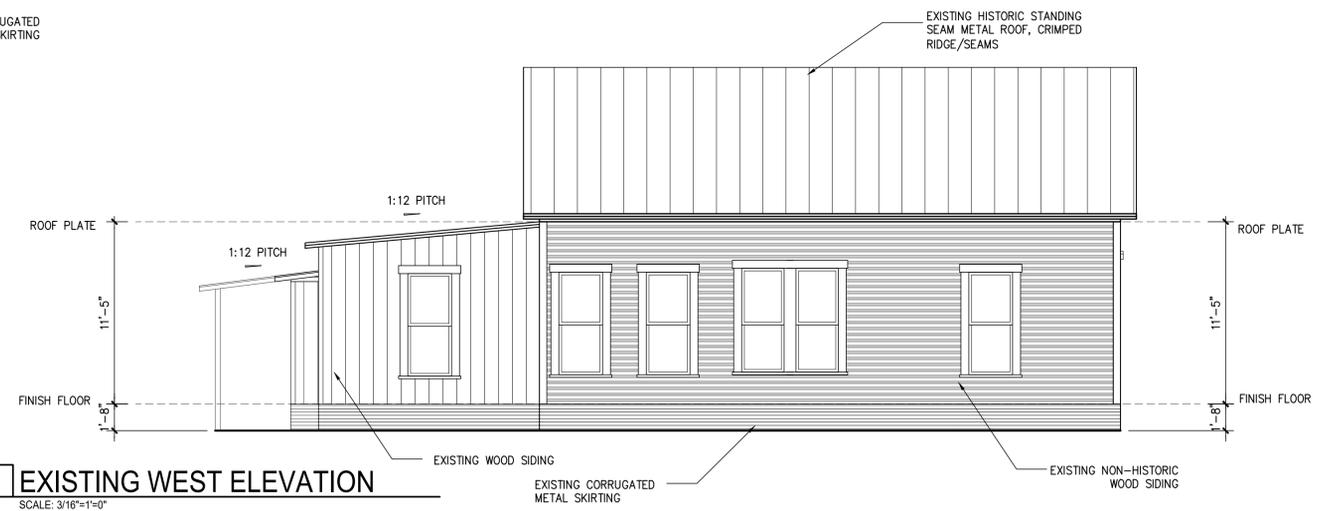
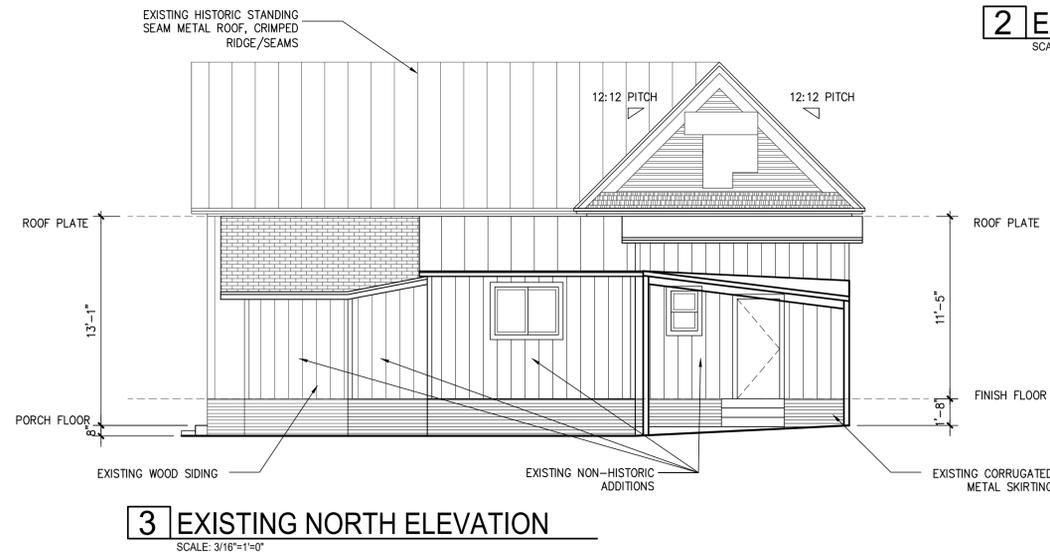
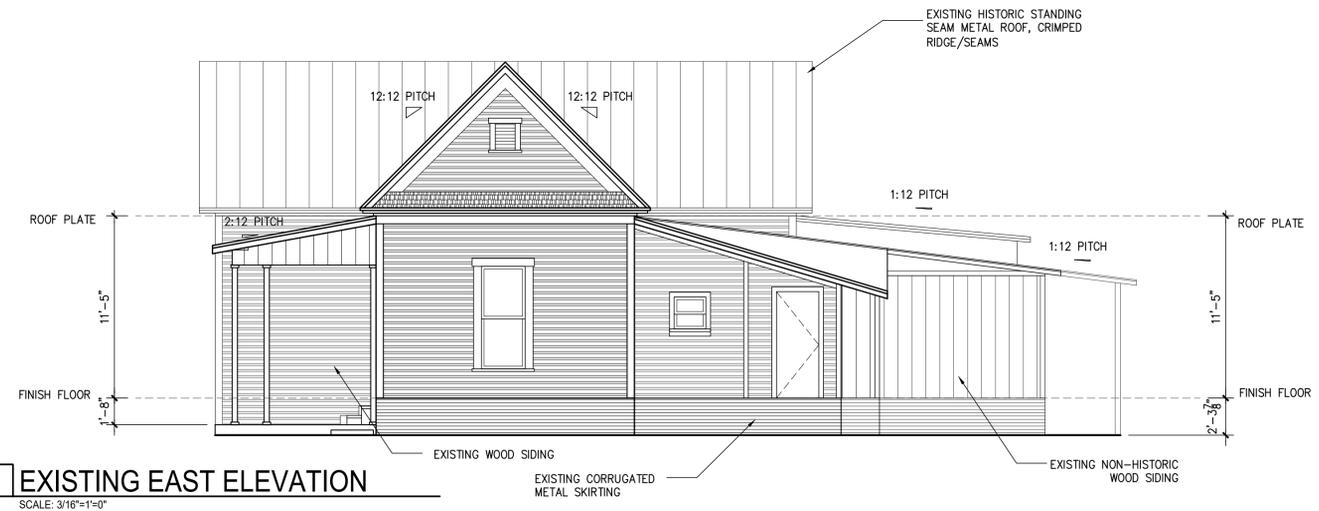
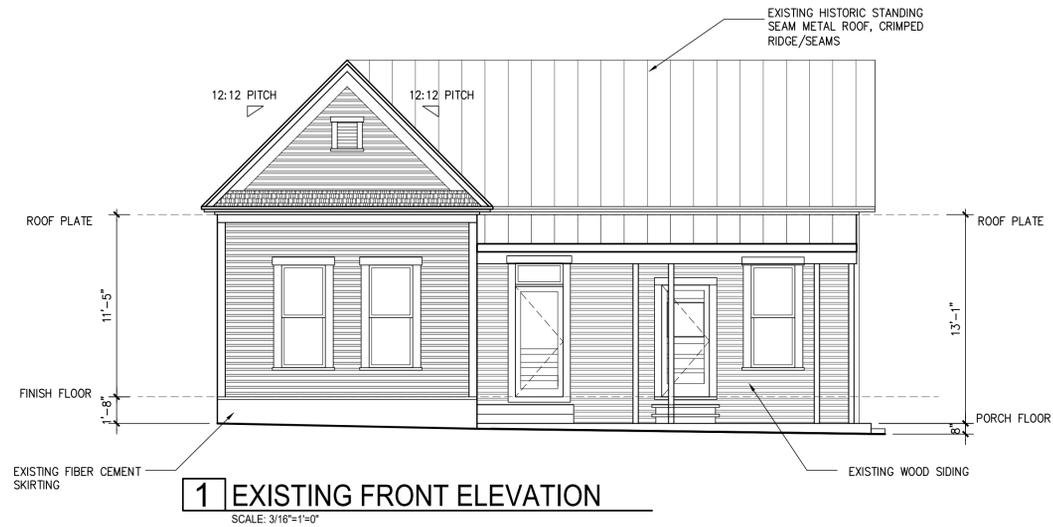
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EXISTING EXTERIOR  
ELEVATIONS

PROJECT NO. 24-133  
DATE: 09-12-24  
DRAWN BY: AMM / FJZ  
REVIEWED BY: FJZ  
PROJECT ARCHITECT:  
FELIX J. ZIGA JR., AIA  
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A002





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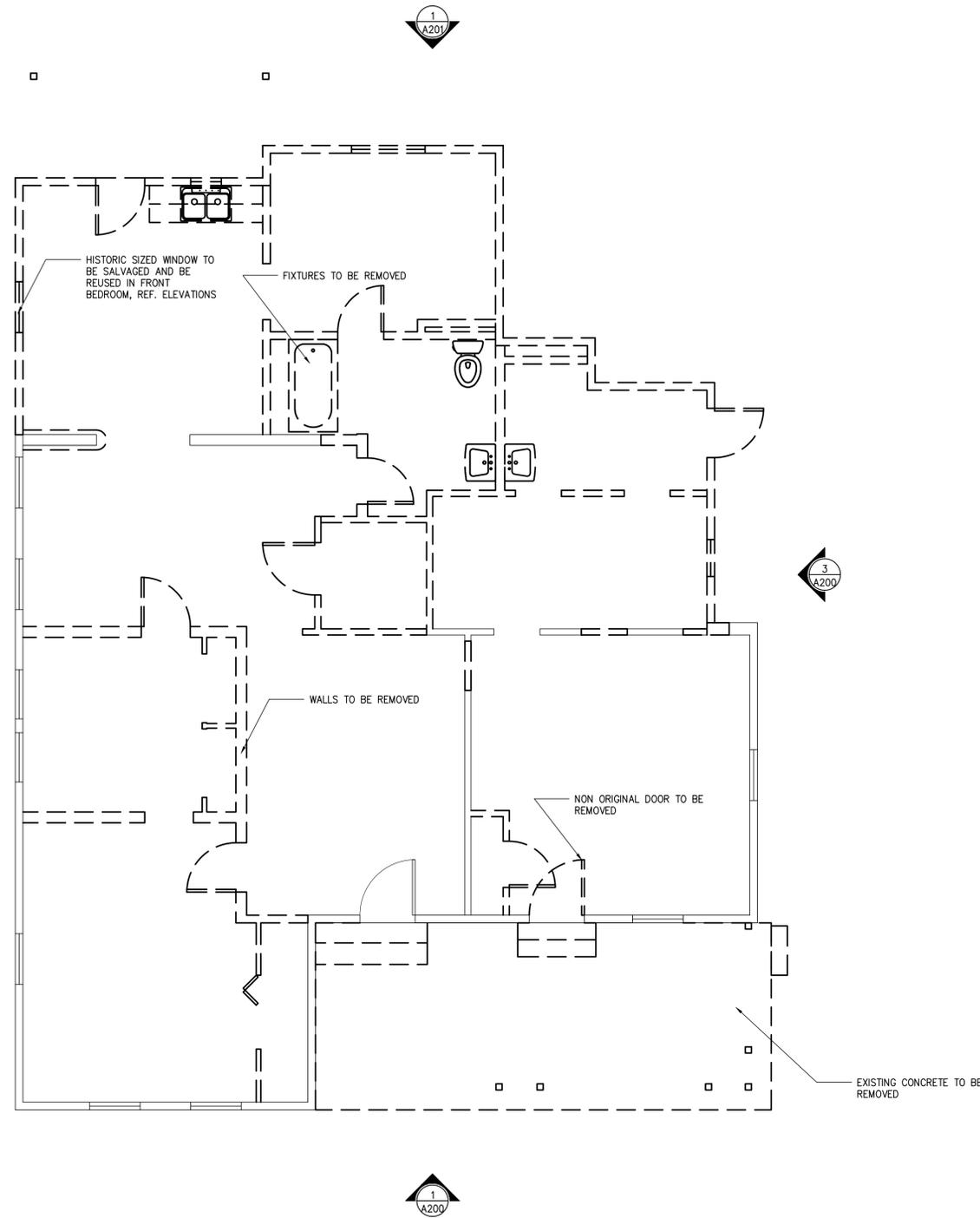
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DEMO & PROPOSED  
FLOOR PLANS

PROJECT NO.	24-133
DATE:	09-12-24
DRAWN BY:	AMM / FJZ
REVIEWED BY:	FJZ
PROJECT ARCHITECT:	FELIX J. ZIGA JR., AIA
	TEXAS LICENSE NO. 24683

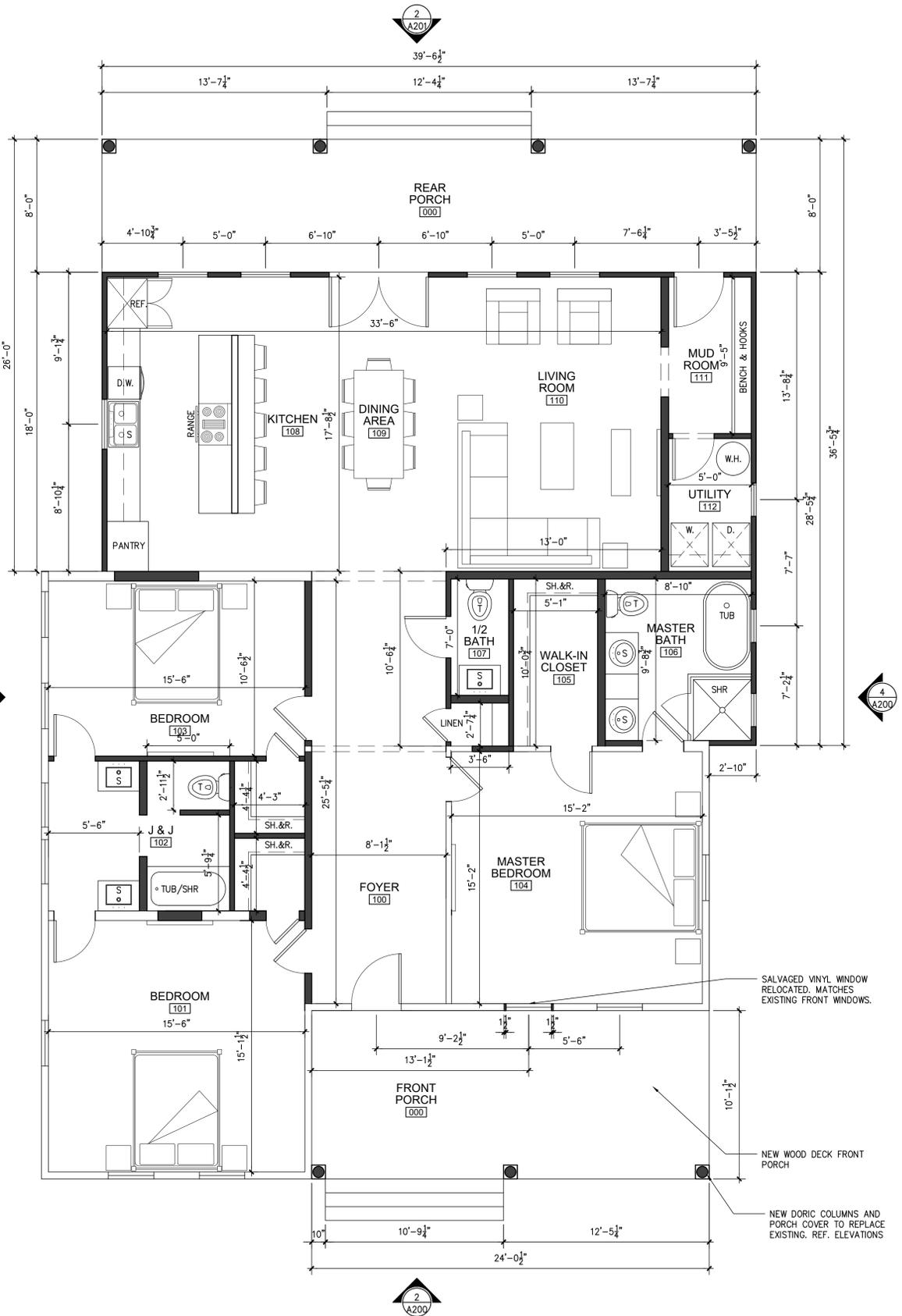
A100



1 DEMOLITION FLOOR PLAN

SCALE: 1/4"=1'-0"

DEMOLITION LINE



2 PROPOSED FLOOR PLAN

SCALE: 1/4"=1'-0"

EXISTING WALL  
NEW WALL





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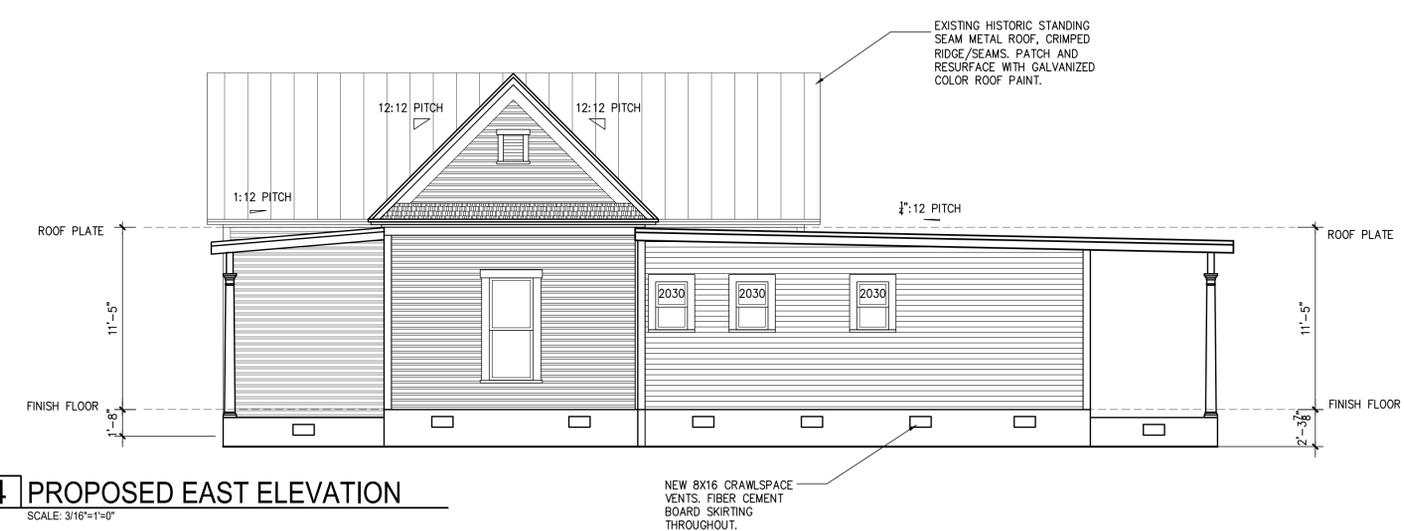
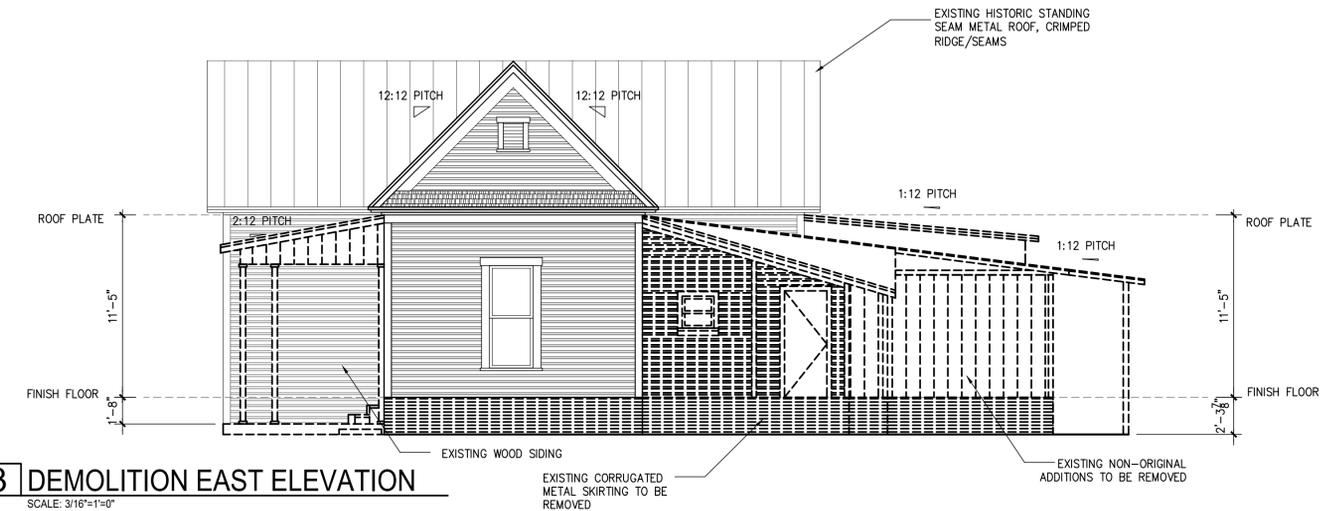
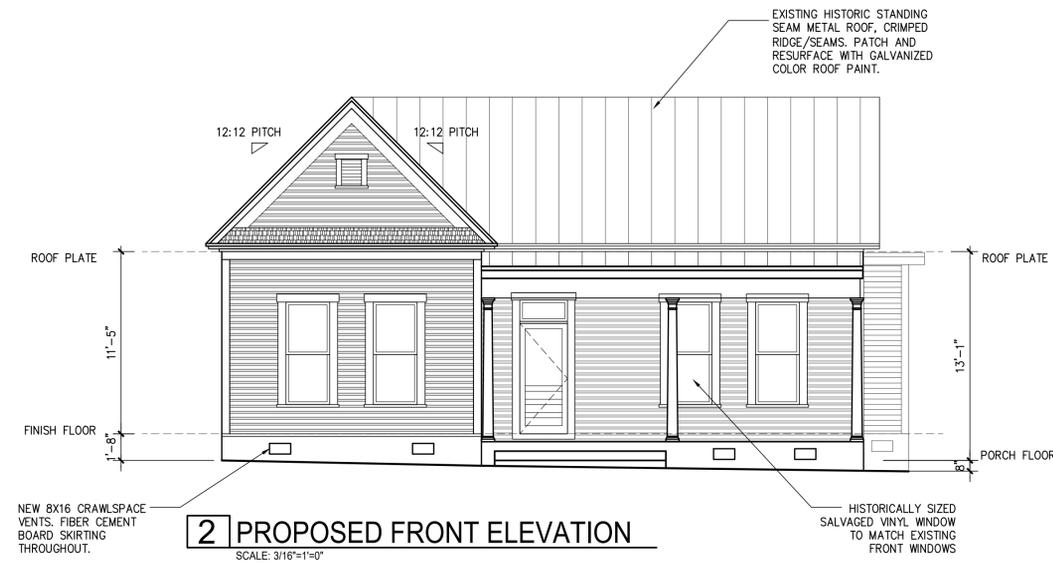
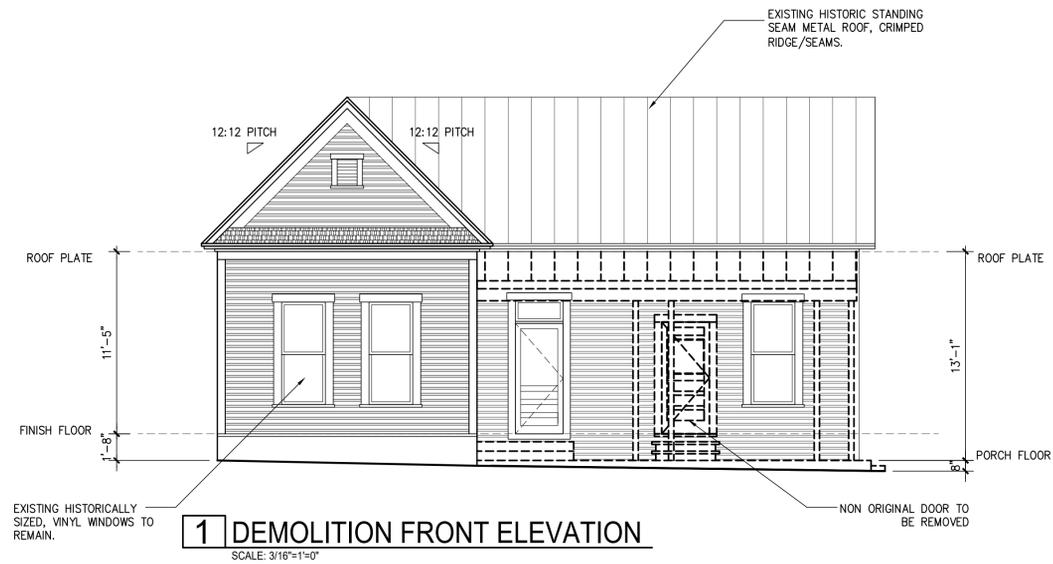
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DEMO & PROPOSED  
EXTERIOR ELEVATIONS

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REVIEWED BY: FJZ  
PROJECT ARCHITECT:  
FELIX J. ZIGA JR., AIA  
TEXAS LICENSE NO. 24683

A200





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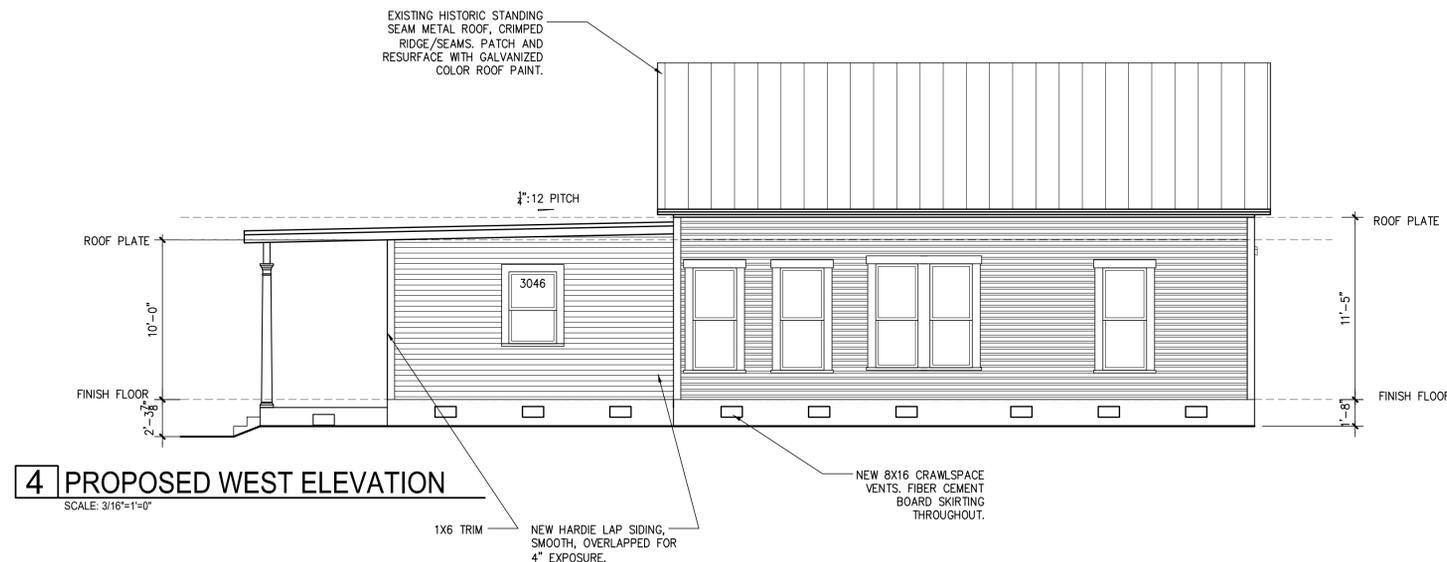
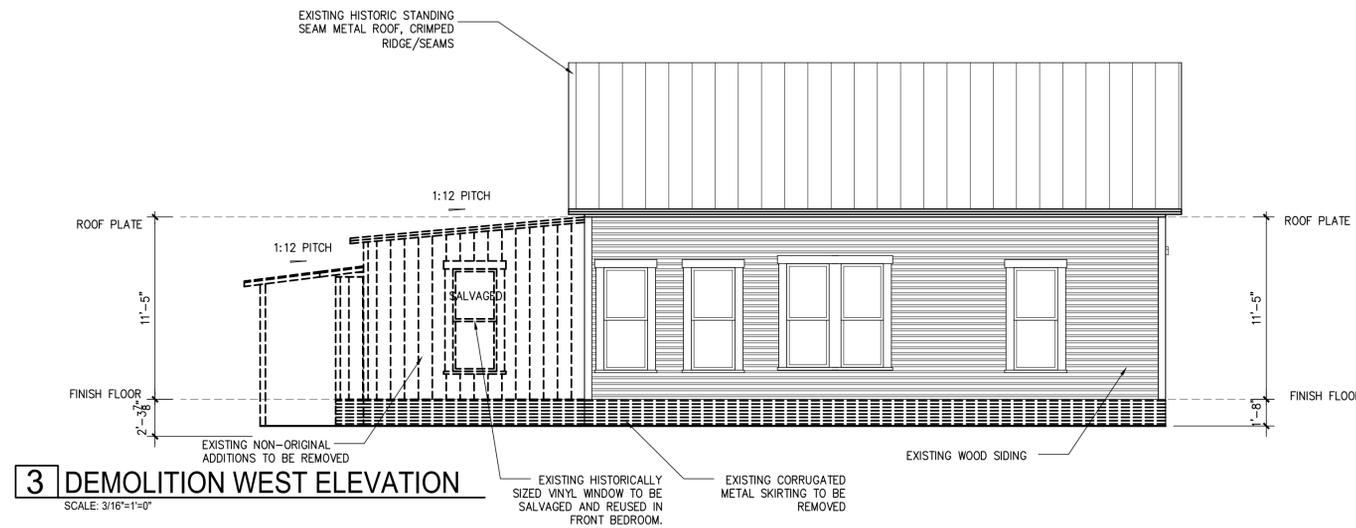
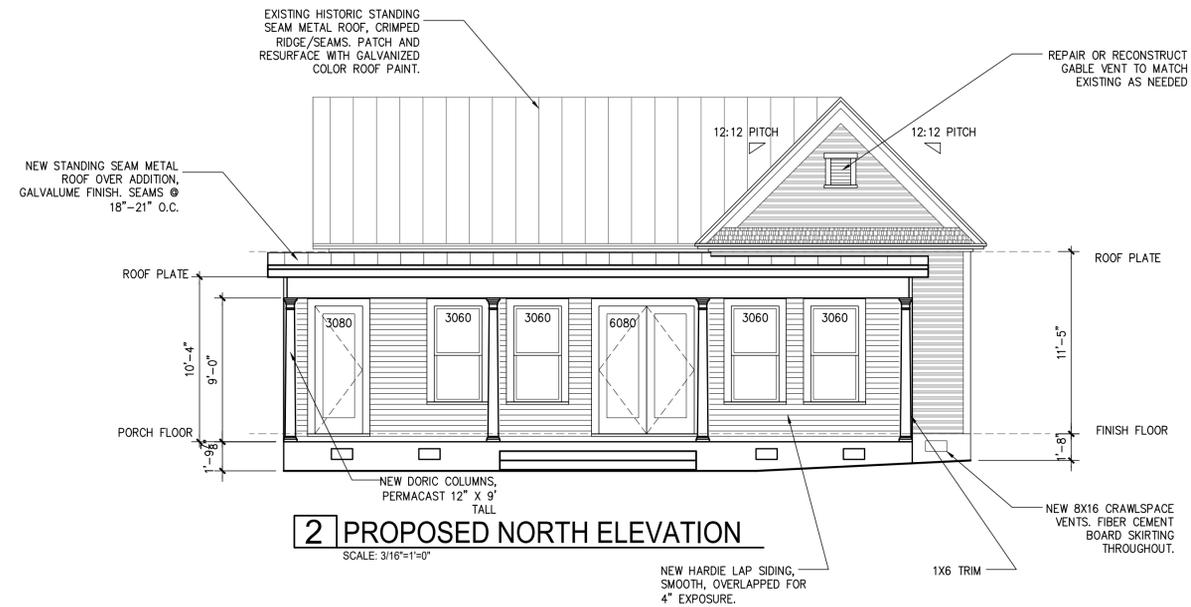
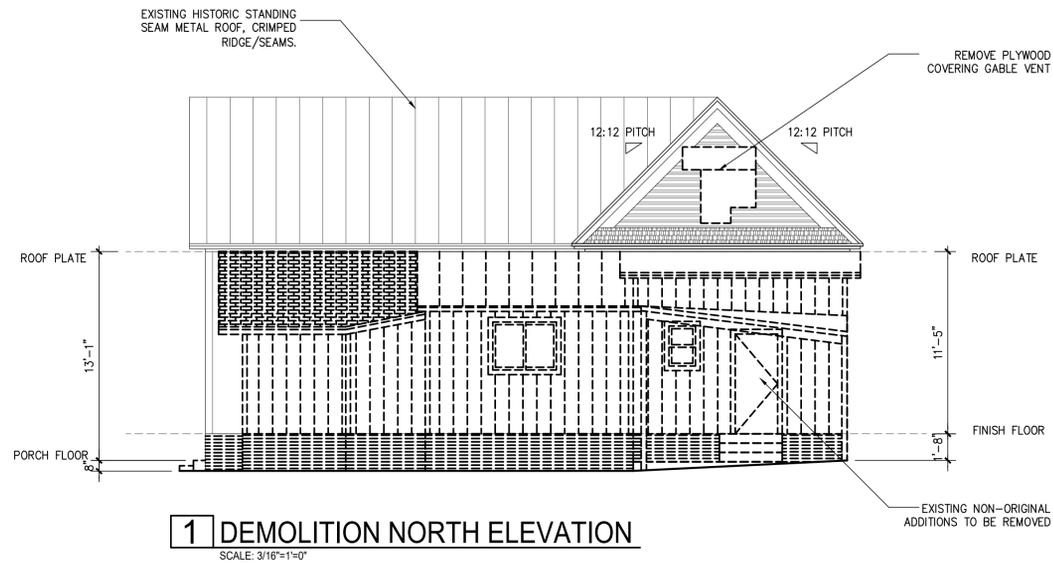
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ISSUE		
#	DATE	DESCRIPTION
1	09/04/2024	AS-BUILT SET
2	09/12/2024	HDRC SET

DEMO & PROPOSED  
EXTERIOR ELEVATIONS

PROJECT NO. 24-133  
DATE: 09-12-24  
DRAWN BY: AMM / FJZ  
REVIEWED BY: FJZ  
PROJECT ARCHITECT:  
FELIX J. ZIGA JR., AIA  
TEXAS LICENSE NO. 24683

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ISSUE		
#	DATE	DESCRIPTION
1	09/04/2024	AS-BUILT SET
2	09/12/2024	HDRC SET

CARPORT FLOORPLAN  
AND ELEVATIONS,  
COLUMN & PORCH  
DETAILS

PROJECT NO. 24-133

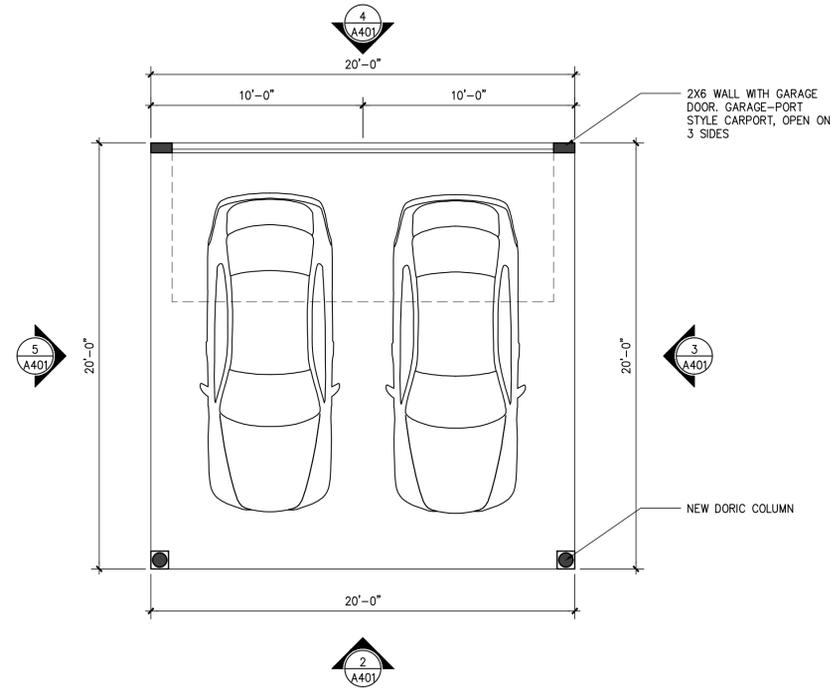
DATE: 09-12-24

DRAWN BY: AMM / FJZ

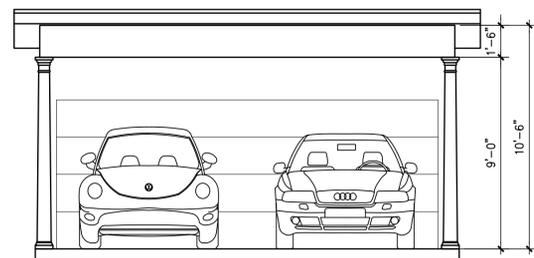
REVIEWED BY: FJZ

PROJECT ARCHITECT:  
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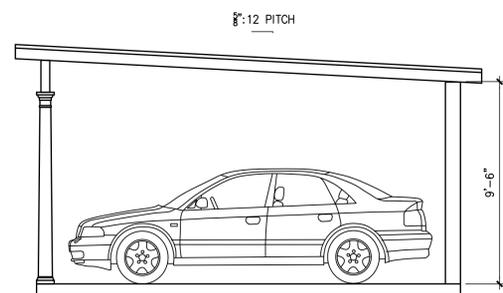
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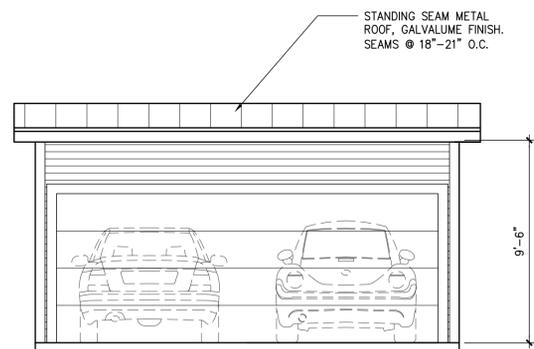
1 CARPORT FLOOR PLAN  
SCALE: 1/4"=1'-0"



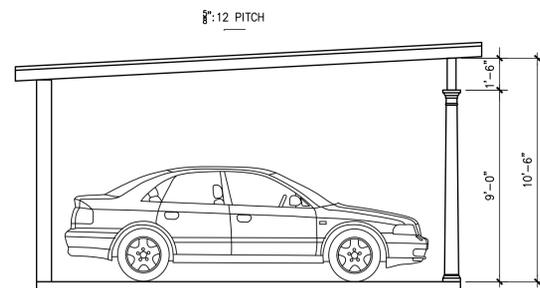
2 CARPORT SOUTH ELEVATION  
SCALE: 1/4"=1'-0"



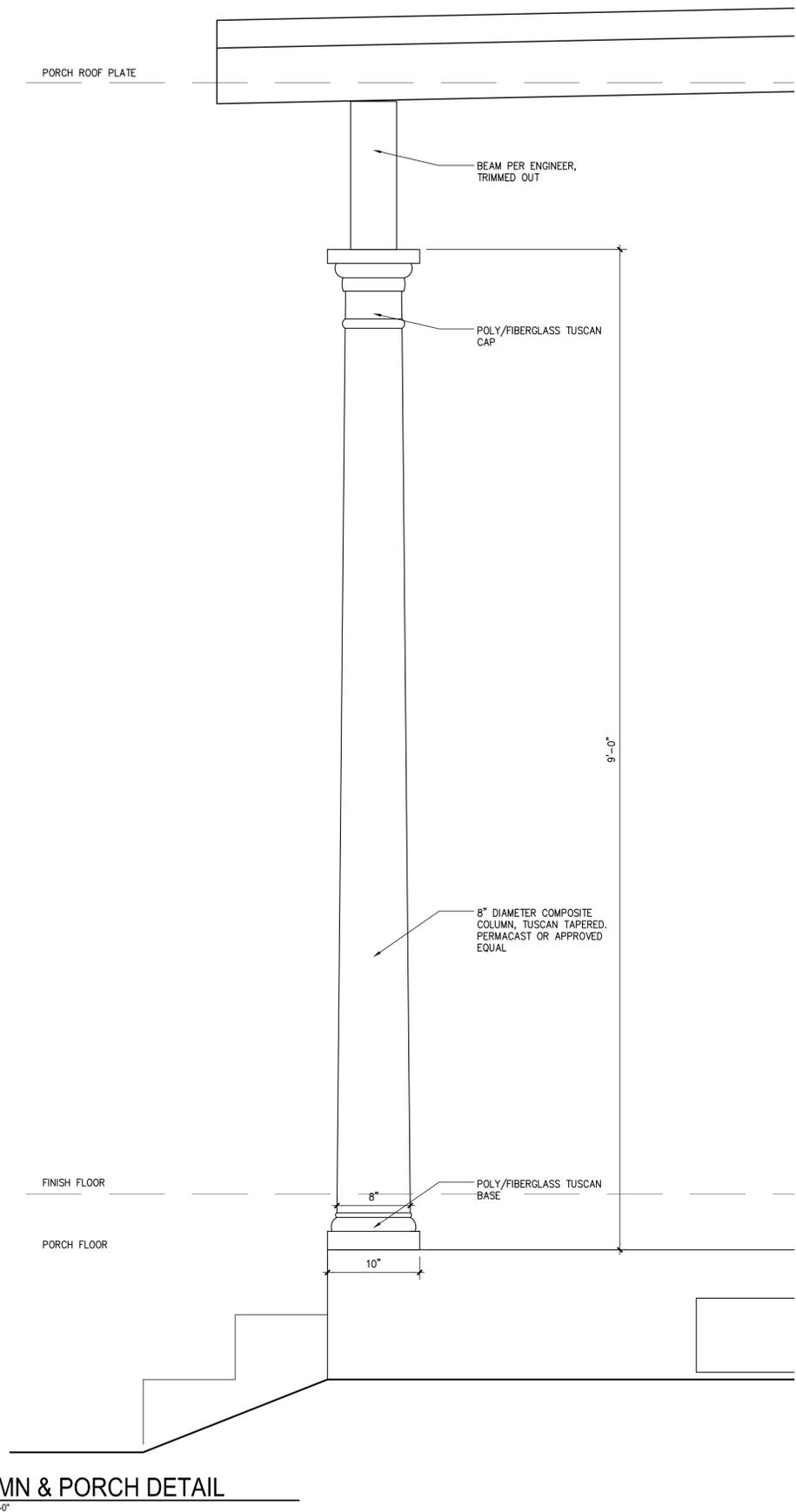
3 CARPORT EAST ELEVATION  
SCALE: 1/4"=1'-0"



2 CARPORT NORTH ELEVATION  
SCALE: 1/4"=1'-0"



3 CARPORT WEST ELEVATION  
SCALE: 1/4"=1'-0"



6 COLUMN & PORCH DETAIL  
SCALE: 1 1/2"=1'-0"



**ZIGA ARCHITECTURE STUDIO**  
Architecture | Interiors | Historic Preservation

## **205 E RISCHE – NARRATIVE**

Requesting final approval to rehabilitate the historic house and construct a rear addition.

The existing front walkway will be replaced with a new walkway to match existing. The existing 6ft tall wood privacy fence in the rear yard will be repaired and extended as shown on the site plan, and a new 4ft tall wood and wire fence will replace the existing front yard fence.

The foundation will be repaired and leveled. All siding and woodwork will be repaired in kind to match existing and repainted. All existing wood window screens will be repaired and repainted. The existing metal roof will be patched and painted to match the galvalume standing seam metal roof on the new rear addition.

All historic wood windows have been replaced with vinyl and a secondary door has been added to the front of the house where a window once was located to create a duplex. The secondary front door will be removed and converted back to a window and an existing vinyl window at the rear of the house will be installed in this opening to match the rest of the vinyl windows, historically sized.

A non-original rear addition will be demolished and replaced with a new addition. The proposed addition will step in on one side and have a different roof to clearly differentiate the new from the old. Since the existing house is set over the side setback on the West side, the addition will step out by 2ft 10in on the east side to further separate the new from the old. Although this small portion of the addition may be visible from the street, it will be pushed far back and behind the rear yard privacy fence so as to minimize the impact from the street. The new addition will have Hardie lap siding with 4" exposures. All new windows will be Jeldwen W-2500 wood windows.

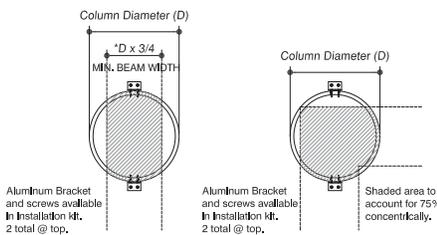
A non-historic outbuilding/shed will be demolished and replaced with a new two-car carport which will be accessed from the alley. A new concrete approach will be constructed to access the carport.

# Building Code Compliance

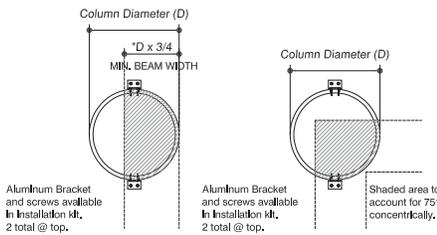
HB&G has updated our product testing to comply with changes to the Building Codes (IBC/IRC) and to the Acceptance Criteria for Fiberglass Columns. The 2 major changes that impacted PermaCast® and PermaLite® were:

- 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

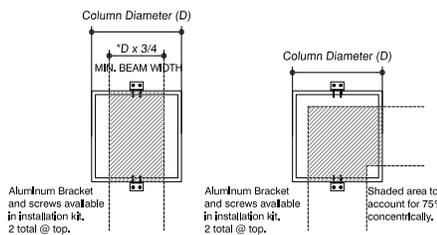
Eccentric loading of columns is not recommended by HB&G.



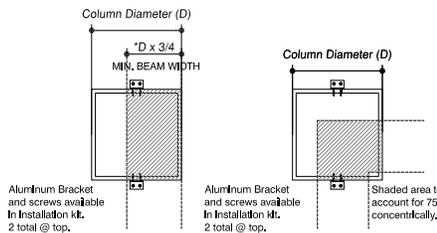
Acceptable Applications



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

Eccentric Loading			
Bottom Diameter	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

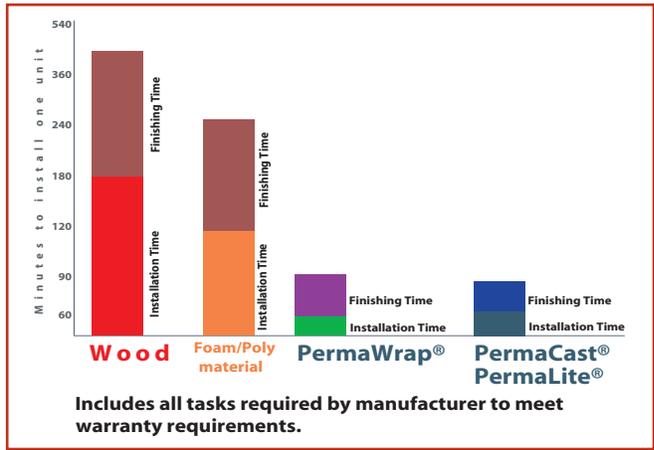
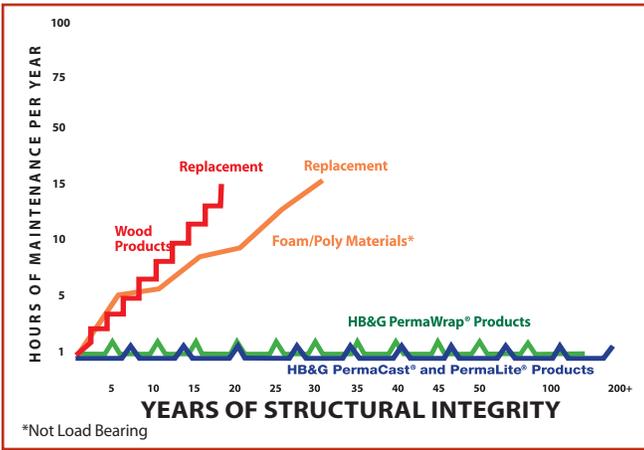
6"	24000
8"	23000

## 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 1/3 of the time of traditional wood products.

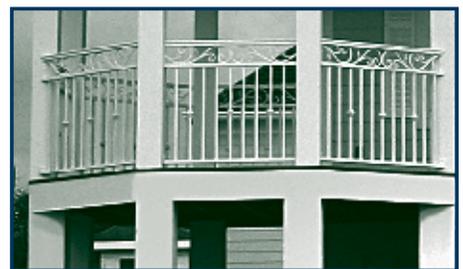
### Single Family Residential Use Warranty.

	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

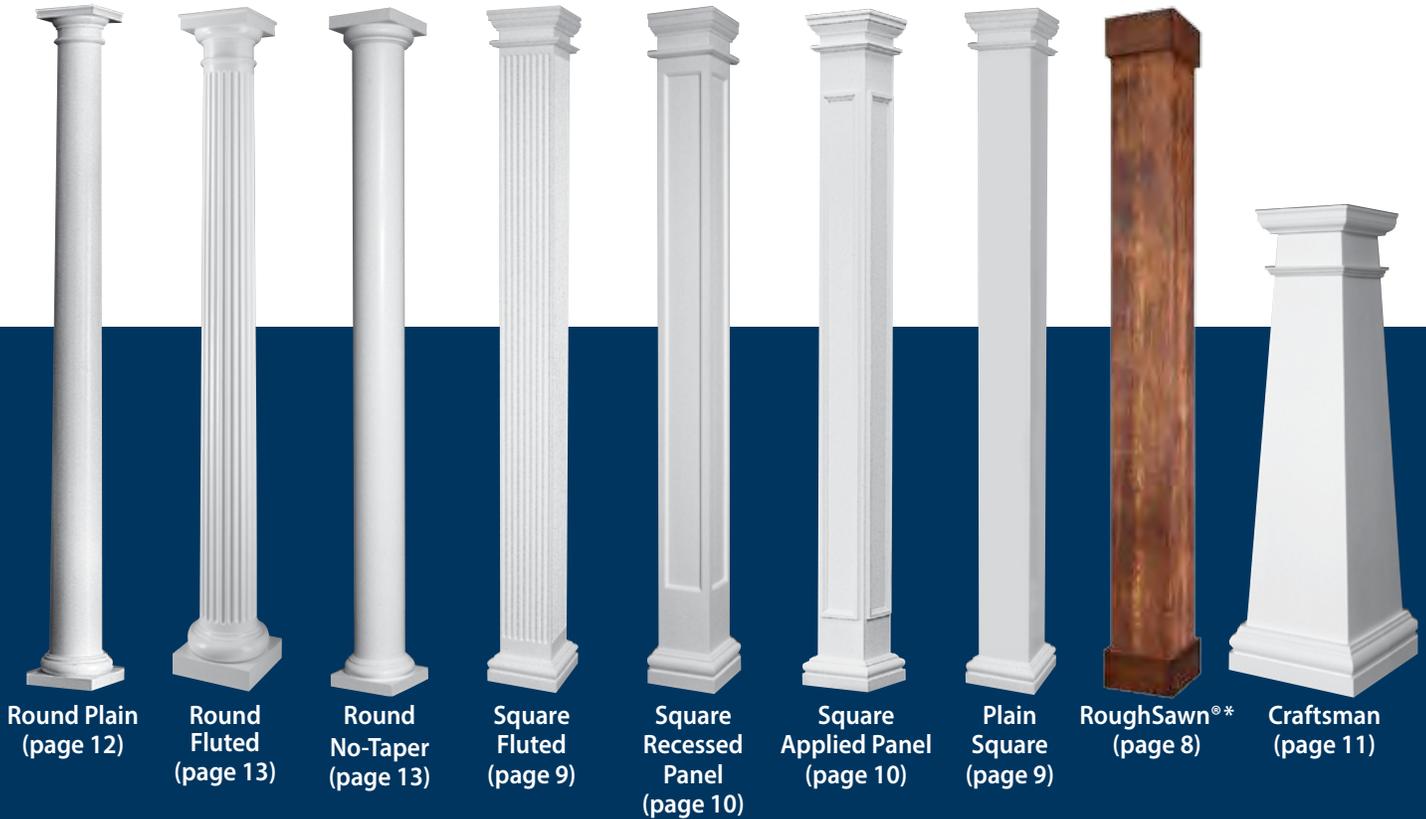
### The PermaPorch® Package

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.



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

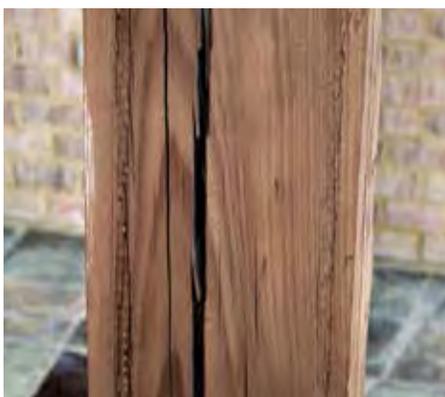
See pages 15 and 16 for cap and base dimensions.

# 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



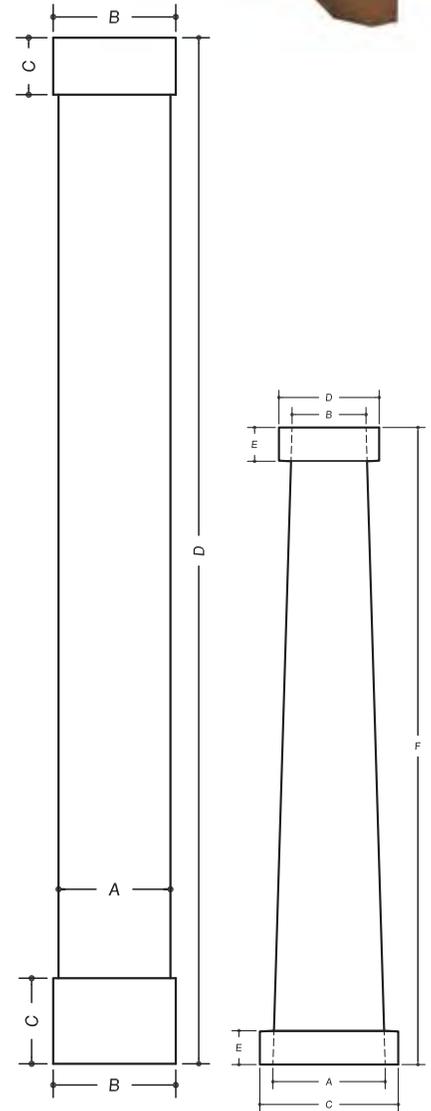
## WITHOUT THE ISSUES:

- 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.



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)

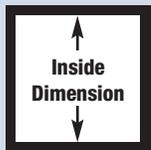
Trim sizes are available and can be used as both cap and base based on preference.

# Square PERMACast® Columns

## SQUARE PERMACAST® INSIDE DIMENSIONS

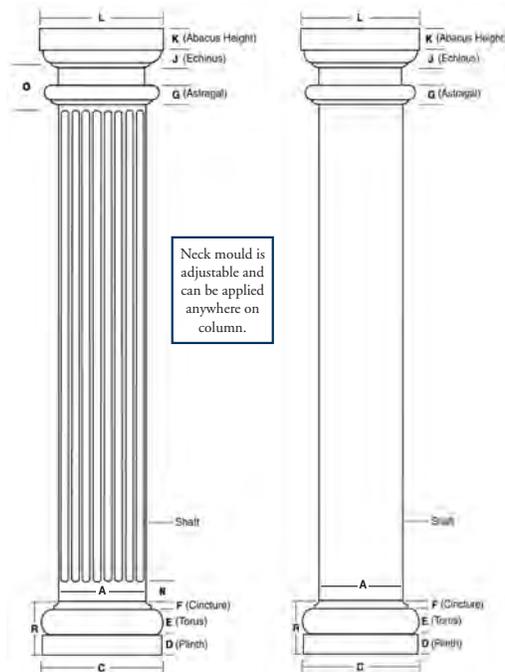
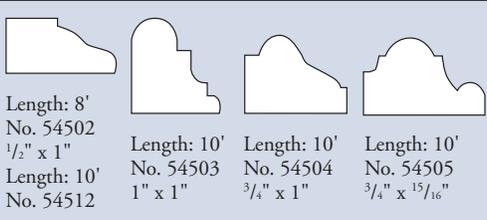
Inside dimensions may vary up to 1/4".  
Splitting a column will decrease inside dimension 1/8".

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®



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

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

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

## 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.

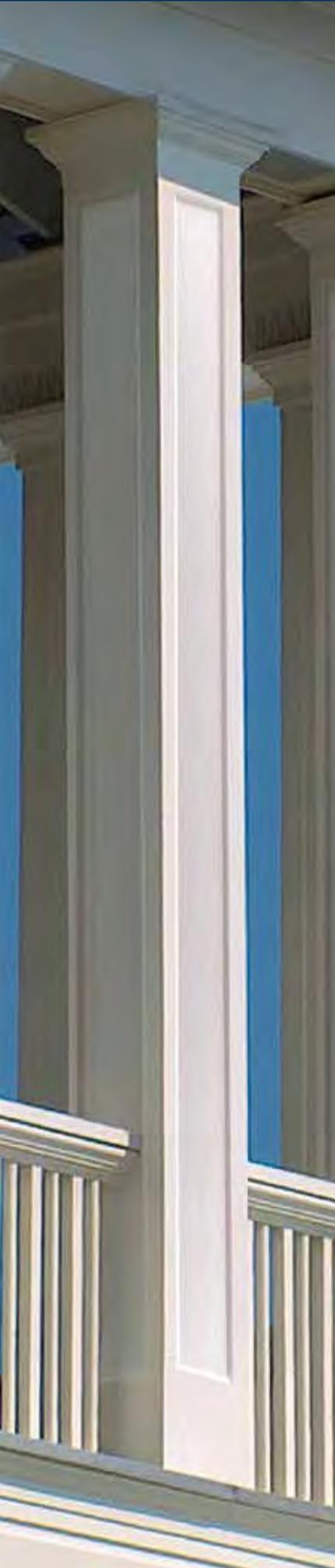
\*There may be a variance of up to 1/4" in all dimensions.

• 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.



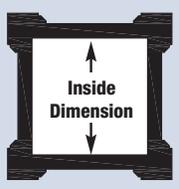


# Recessed Panel **PERMA**Cast® Columns

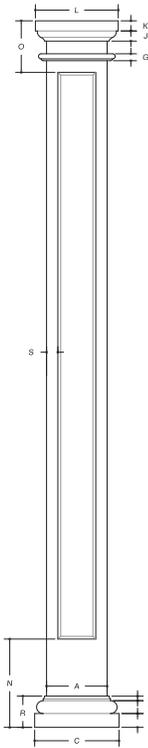
## RECESSED PANEL INSIDE DIMENSION

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 1/16"	2 3/8"	2 5/16"	3/4"	1"	1 1/4"	1 3/4"	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"	3/16"	8,9,10,12,14
14"	14"	19 3/8"	3 5/8"	2 7/8"	1 1/16"	1 1/8"	2 1/16"	2 1/2"	19 1/16"	21 1/2"	12 1/4"	7 7/16"	2 5/8"	1 1/16"	8,10,14

See page 16 for Decorative Capital dimensions.

\*Recessed Panel columns are not split.



# CRAFTSMAN

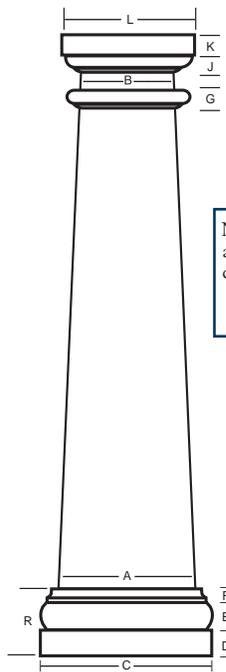
PERMACAST® COLUMN

## 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"

↑  
**Inside Dimension**  
↓



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.

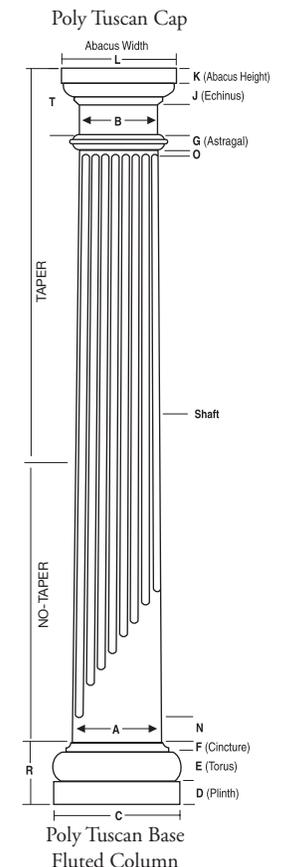
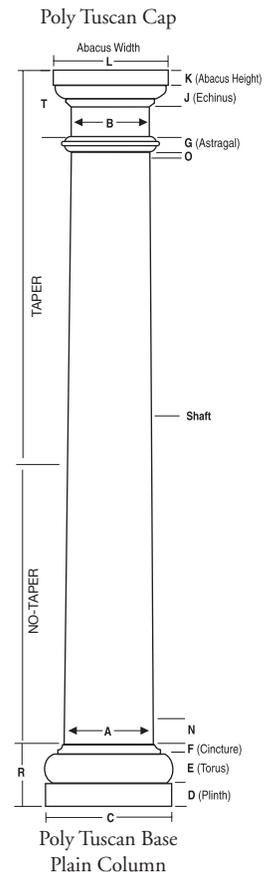


# Round Tapered **PERMA**Cast® Columns

COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTHS AVAIL. (ft.)
6"	5 <sup>5</sup> / <sub>8</sub> "	4 <sup>3</sup> / <sub>8</sub> "	9"	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	5 <sup>8</sup> / <sub>16</sub> "	3 <sup>4</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>8</sub> "	8"	1"	6 <sup>1</sup> / <sub>4</sub> "	3 <sup>3</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>16</sub> "	4,6,8
8"	7 <sup>7</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>4</sub> "	10 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>4</sub> "	3 <sup>4</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> "	9 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>1</sup> / <sub>4</sub> "	4 <sup>3</sup> / <sub>8</sub> "	4 <sup>1</sup> / <sub>2</sub> "	5.6, 8, 10
10"	9 <sup>3</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>4</sub> "	13 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	3 <sup>4</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> "	11 <sup>1</sup> / <sub>4</sub> "	3 <sup>8</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>4</sub> "	5 <sup>1</sup> / <sub>4</sub> "	5"	6.8, 8, 10, 12
12"	11 <sup>3</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>8</sub> "	16 <sup>1</sup> / <sub>2</sub> "	2 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	7 <sup>8</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>4</sub> "	2 <sup>1</sup> / <sub>4</sub> "	13 <sup>3</sup> / <sub>4</sub> "	3 <sup>4</sup> / <sub>16</sub> "	2 <sup>5</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>4</sub> "	5 <sup>3</sup> / <sub>4</sub> "	6.8, 8, 10, 12, 14, 16, 18
14"	13 <sup>3</sup> / <sub>8</sub> "	11 <sup>3</sup> / <sub>8</sub> "	19 <sup>1</sup> / <sub>2</sub> "	3 <sup>3</sup> / <sub>8</sub> "	3 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	1"	2"	2 <sup>1</sup> / <sub>2</sub> "	17"	7 <sup>8</sup> / <sub>16</sub> "	2 <sup>5</sup> / <sub>8</sub> "	7 <sup>3</sup> / <sub>4</sub> "	7"	8, 9, 10, 12, 14, 16, 18
16"	15 <sup>3</sup> / <sub>4</sub> "	13 <sup>3</sup> / <sub>8</sub> "	22"	3 <sup>7</sup> / <sub>8</sub> "	3 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>8</sub> "	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>4</sub> "	2 <sup>1</sup> / <sub>2</sub> "	19 <sup>3</sup> / <sub>8</sub> "	1"	3"	8 <sup>3</sup> / <sub>8</sub> "	8"	8, 10, 12, 14, 16, 18, 20
18"	17 <sup>1</sup> / <sub>2</sub> "	15 <sup>3</sup> / <sub>8</sub> "	24 <sup>3</sup> / <sub>8</sub> "	4"	4"	1 <sup>1</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>16</sub> "	2 <sup>3</sup> / <sub>4</sub> "	3 <sup>3</sup> / <sub>8</sub> "	22 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>2</sub> "	10 <sup>3</sup> / <sub>4</sub> "	9 <sup>1</sup> / <sub>4</sub> "	8 <sup>7</sup> / <sub>8</sub> "	8, 10, 12, 14, 16, 18, 20, 22, 24, 26
20"	19 <sup>1</sup> / <sub>2</sub> "	17 <sup>1</sup> / <sub>16</sub> "	27"	4 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> "	2"	1 <sup>1</sup> / <sub>16</sub> "	2 <sup>7</sup> / <sub>8</sub> "	3 <sup>3</sup> / <sub>8</sub> "	24 <sup>3</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>2</sub> "	10 <sup>3</sup> / <sub>4</sub> "	11 <sup>1</sup> / <sub>4</sub> "	9"	10, 12, 14, 16, 18, 20, 22, 24
22"	21 <sup>1</sup> / <sub>8</sub> "	19 <sup>1</sup> / <sub>4</sub> "	30 <sup>1</sup> / <sub>4</sub> "	5"	5"	2"	1 <sup>1</sup> / <sub>8</sub> "	3"	3 <sup>3</sup> / <sub>4</sub> "	27 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> "	10 <sup>3</sup> / <sub>4</sub> "	12"	10 <sup>3</sup> / <sub>4</sub> "	16, 18, 20, 22, 24, 26
24"	23 <sup>3</sup> / <sub>8</sub> "	21 <sup>1</sup> / <sub>4</sub> "	33 <sup>1</sup> / <sub>2</sub> "	6"	5 <sup>1</sup> / <sub>4</sub> "	2 <sup>1</sup> / <sub>4</sub> "	2"	3 <sup>1</sup> / <sub>2</sub> "	4"	30 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>2</sub> "	10 <sup>3</sup> / <sub>4</sub> "	13 <sup>1</sup> / <sub>2</sub> "	11 <sup>1</sup> / <sub>16</sub> "	12, 14, 16, 18, 20, 22, 24, 26, 28, 30
28"	28"	24 <sup>3</sup> / <sub>8</sub> "	38"	6 <sup>1</sup> / <sub>4</sub> "	6 <sup>1</sup> / <sub>2</sub> "	2 <sup>1</sup> / <sub>4</sub> "	2 <sup>1</sup> / <sub>4</sub> "	3 <sup>3</sup> / <sub>4</sub> "	4 <sup>3</sup> / <sub>8</sub> "	33 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>2</sub> "	10 <sup>3</sup> / <sub>4</sub> "	15 <sup>1</sup> / <sub>2</sub> "	11 <sup>1</sup> / <sub>4</sub> "	20, 22, 24, 26, 28
30"	29 <sup>3</sup> / <sub>8</sub> "	26 <sup>1</sup> / <sub>2</sub> "	41 <sup>1</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>2</sub> "	5 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>2</sub> "	3"	4"	4 <sup>3</sup> / <sub>8</sub> "	38 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> "	10 <sup>3</sup> / <sub>4</sub> "	14 <sup>3</sup> / <sub>4</sub> "	14 <sup>3</sup> / <sub>8</sub> "	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.



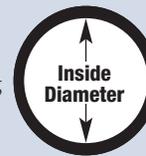
## COLUMN-LOC®

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 <sup>3</sup> / <sub>8</sub> "	4 <sup>1</sup> / <sub>8</sub> "
8"	5 <sup>1</sup> / <sub>2</sub> "	6 <sup>1</sup> / <sub>8</sub> "
10"	7 <sup>3</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>8</sub> "
12"	8 <sup>3</sup> / <sub>8</sub> "	10 <sup>7</sup> / <sub>8</sub> "
14"	10 <sup>7</sup> / <sub>8</sub> "	12 <sup>7</sup> / <sub>8</sub> "
16"	12 <sup>7</sup> / <sub>8</sub> "	15"
18"	14 <sup>1</sup> / <sub>2</sub> "	16 <sup>3</sup> / <sub>8</sub> "
20"	16 <sup>1</sup> / <sub>16</sub> "	18 <sup>3</sup> / <sub>8</sub> "
22"	18 <sup>3</sup> / <sub>8</sub> "	20 <sup>1</sup> / <sub>16</sub> "
24"	20"	22 <sup>3</sup> / <sub>8</sub> "
28"	22 <sup>7</sup> / <sub>8</sub> "	26 <sup>3</sup> / <sub>4</sub> "
30"	25 <sup>1</sup> / <sub>4</sub> "	28 <sup>3</sup> / <sub>8</sub> "

\*Plain columns only

## PLUMB-FIT®

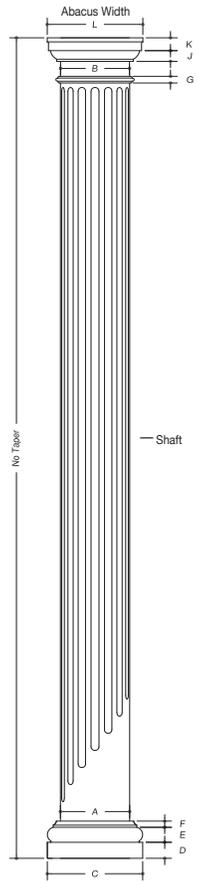
To make installation even easier our 6"-12" round and square poly Tuscan Cap and Base Sets with flashing cap come with the Plumb-Fit® patented (Patent 9689674) installation system included.

## ROUND PERMACAST® PORCH INSTALLATION BRACKET

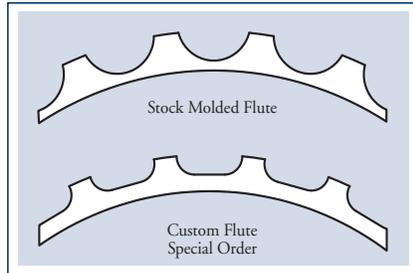
The HB&G Porch Installation Bracket includes the bracket and all required hardware. The bracket fits 20" - 30" Plain Round PermaCast® Columns and will secure a 2nd story porch to our PermaCast® Columns. Three brackets are required for each column.



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



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

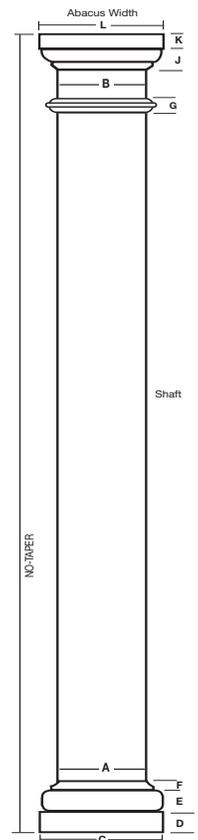
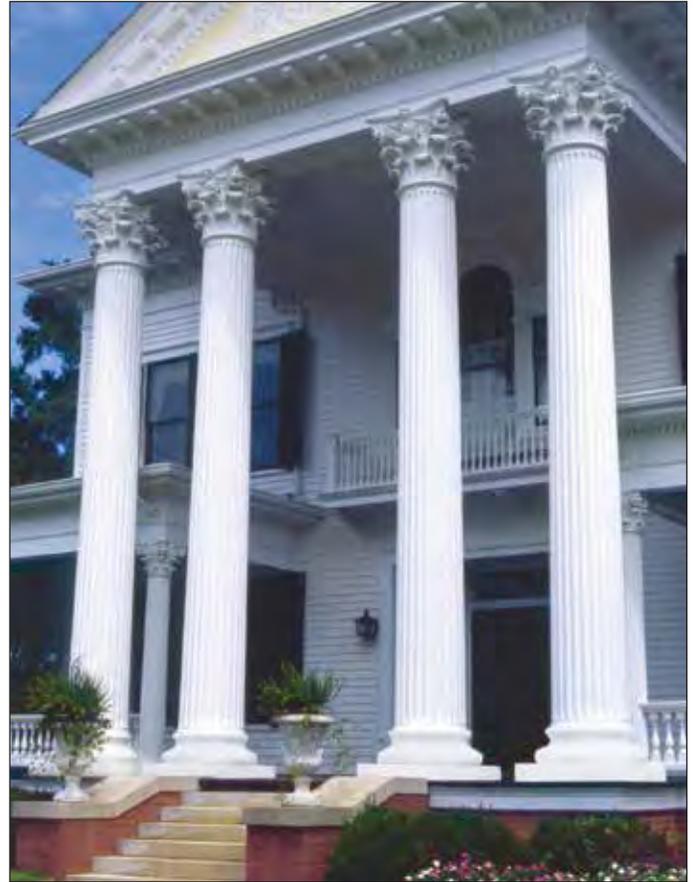


## HB&G OFFERS TWO DISTINCTIVE TYPES OF FLUTES.

**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



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

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

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

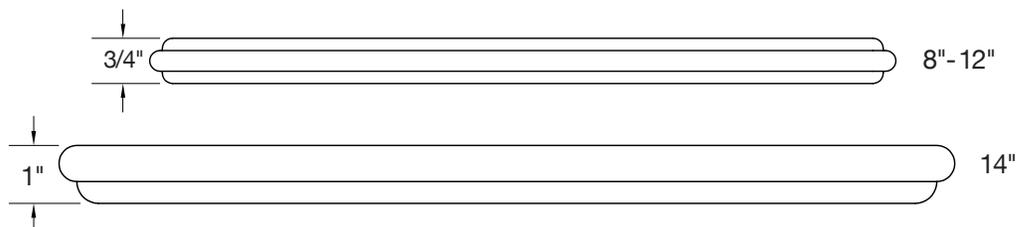
Col. Size	A	B	C	D	E	F	G	J	K	L	Lengths Available (ft)
8"	7-5/8"	7-5/8"	10-1/2"	1-7/8"	1-3/4"	3/4"	3/4"	1-1/4"	1-1/2"	10-5/8"	6, 8, 9, 10
10"	9-5/8"	9-5/8"	13-1/8"	2-3/8"	2-1/8"	3/4"	3/4"	1-1/4"	2"	12-13/16"	6, 8, 9, 10, 12
12"	11-5/8"	11-5/8"	16-1/2"	2-3/4"	2-3/8"	7/8"	3/4"	1-3/4"	2"	15-7/8"	6, 8, 9, 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.

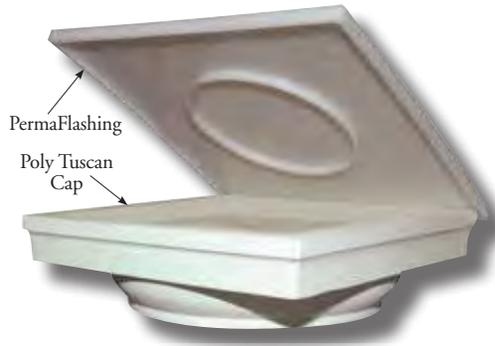
Flashing and Installation Kit not available with No-Taper Tuscan cap and base sets.

• 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.

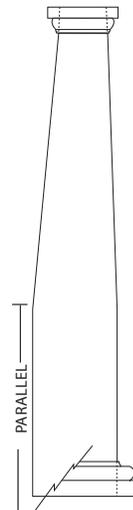
These kits can be purchased separately. **MMA adhesive must be stored in a climate-controlled environment.**



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

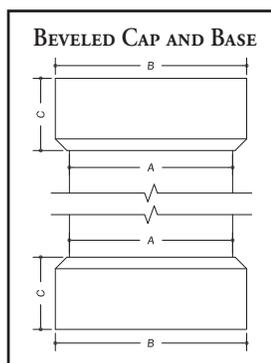
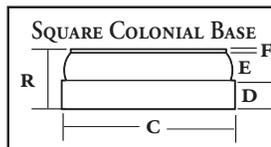
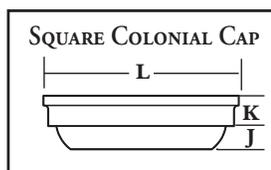
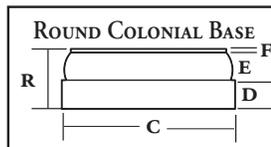
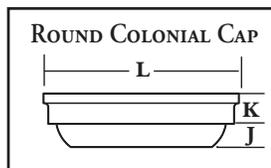
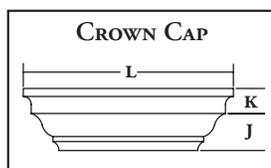
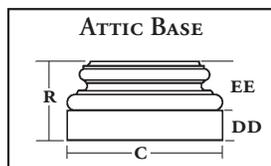
Available for PermaCast® Square shafts 6-12".

## 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 <sup>5</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> "	6"	8 <sup>7</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>7</sup> / <sub>8</sub> "	4 <sup>1</sup> / <sub>4</sub> "
8"	10 <sup>1</sup> / <sub>8</sub> "	1 <sup>7</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>4</sub> "	5 <sup>1</sup> / <sub>8</sub> "	8"	11"	1 <sup>7</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>4</sub> "	5 <sup>1</sup> / <sub>8</sub> "
10"	13"	2 <sup>1</sup> / <sub>2</sub> "	3 <sup>7</sup> / <sub>8</sub> "	6 <sup>3</sup> / <sub>8</sub> "	10"	13 <sup>5</sup> / <sub>8</sub> "	2 <sup>3</sup> / <sub>4</sub> "	4"	6 <sup>3</sup> / <sub>8</sub> "
12"	16 <sup>1</sup> / <sub>8</sub> "	3"	4 <sup>1</sup> / <sub>2</sub> "	7 <sup>1</sup> / <sub>2</sub> "	12"	17"	2 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>2</sub> "	7 <sup>1</sup> / <sub>4</sub> "
14"	19 <sup>1</sup> / <sub>4</sub> "	3 <sup>3</sup> / <sub>8</sub> "	5 <sup>3</sup> / <sub>8</sub> "	8 <sup>3</sup> / <sub>4</sub> "	14"	N/A	N/A	N/A	N/A
16"	21 <sup>3</sup> / <sub>4</sub> "	4"	6 <sup>1</sup> / <sub>2</sub> "	10 <sup>1</sup> / <sub>2</sub> "	16"	22 <sup>1</sup> / <sub>4</sub> "	4"	6 <sup>3</sup> / <sub>8</sub> "	10 <sup>3</sup> / <sub>8</sub> "
18"	25"	4 <sup>3</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>4</sub> "	11 <sup>1</sup> / <sub>8</sub> "	18"	N/A	N/A	N/A	N/A
20"	27 <sup>1</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>4</sub> "	13 <sup>3</sup> / <sub>8</sub> "	20"	N/A	N/A	N/A	N/A
22"	30 <sup>1</sup> / <sub>4</sub> "	5 <sup>3</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	14 <sup>3</sup> / <sub>8</sub> "	22"	N/A	N/A	N/A	N/A
24"	33 <sup>1</sup> / <sub>2</sub> "	6"	10 <sup>1</sup> / <sub>4</sub> "	16 <sup>1</sup> / <sub>4</sub> "	24"	N/A	N/A	N/A	N/A
28"	38"	6 <sup>3</sup> / <sub>4</sub> "	11 <sup>3</sup> / <sub>8</sub> "	18 <sup>1</sup> / <sub>2</sub> "	28"	N/A	N/A	N/A	N/A
30"	41 <sup>1</sup> / <sub>4</sub> "	6 <sup>1</sup> / <sub>2</sub> "	11 <sup>1</sup> / <sub>4</sub> "	17 <sup>3</sup> / <sub>4</sub> "	30"	N/A	N/A	N/A	N/A

## CROWN CAP\* FOR SQUARE COLUMN DIMENSIONS

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

\*Made from Polyurethane

## COLONIAL ROUND CAP AND BASE DIMENSIONS\*

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

\*Low profile option.

## COLONIAL SQUARE CAP AND BASE DIMENSIONS\*

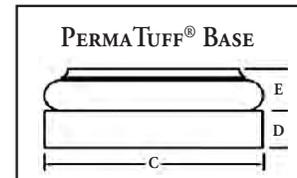
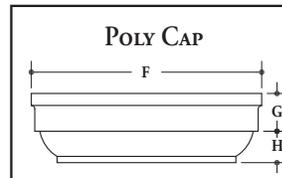
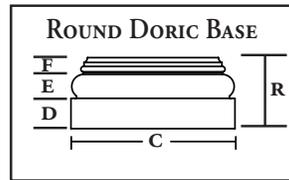
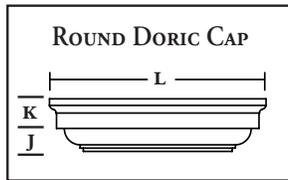
Col. Size	C	D	E	F	J	K	L	R
6"	8 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>5</sup> / <sub>16</sub> "	3/16"	1"	1 <sup>3</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>4</sub> "	2 <sup>7</sup> / <sub>8</sub> "
8"	10 <sup>5</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>4</sub> "	1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

\*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>1</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>13</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>3</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 (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	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE
Roman Ionic	Height		3 <sup>13</sup> / <sub>16</sub> "	3 <sup>13</sup> / <sub>16</sub> "	4 <sup>1</sup> / <sub>8</sub> "	4"	4 <sup>7</sup> / <sub>8</sub> "	4 <sup>3</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>3</sup> / <sub>16</sub> "	9 <sup>9</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>1</sup> / <sub>4</sub> "	25 <sup>3</sup> / <sub>16</sub> "	26 <sup>6</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>4</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 Inside Dia.*		12 <sup>1</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>2</sub> "	13 <sup>13</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>7</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>3</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>1</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> "								19 <sup>1</sup> / <sub>4</sub> "
	Abacus		11"	7 <sup>9</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>3</sup> / <sub>16</sub> "	26 <sup>3</sup> / <sub>16</sub> "	25 <sup>3</sup> / <sub>16</sub> "	29"	29"									42 <sup>1</sup> / <sub>2</sub> "
	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>5</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	N/A		19 <sup>1</sup> / <sub>2</sub> "
	O/S to O/S 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>3</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>6</sup> / <sub>16</sub> "	25 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>4</sub> "	26"	29 <sup>13</sup> / <sub>16</sub> "	28 <sup>7</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> "	9 <sup>3</sup> / <sub>4</sub> "	12"	15 <sup>1</sup> / <sub>2</sub> "	14 <sup>7</sup> / <sub>8</sub> "	16 <sup>1</sup> / <sub>8</sub> "								
	O/S to O/S 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>3</sup> / <sub>8</sub> "	26"	29 <sup>13</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>13</sup> / <sub>16</sub> "	17 <sup>3</sup> / <sub>4</sub> "	14 <sup>3</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>3</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>3</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>1</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>1</sup> / <sub>8</sub> "	8 <sup>1</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> "								
	O/S to O/S 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>3</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>3</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>1</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>15</sup> / <sub>16</sub> "	8 <sup>3</sup> / <sub>4</sub> "	8 <sup>3</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>4</sub> "	11 <sup>1</sup> / <sub>2</sub> "	12 <sup>1</sup> / <sub>4</sub> "							
	Abacus		11 <sup>1</sup> / <sub>4</sub> "	9 <sup>7</sup> / <sub>8</sub> "	14 <sup>3</sup> / <sub>16</sub> "	17 <sup>7</sup> / <sub>8</sub> "	16 <sup>3</sup> / <sub>16</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>3</sup> / <sub>16</sub> "	32"	36"	38 <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>1</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> "							
	O/S to O/S 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>3</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> "							

\*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).

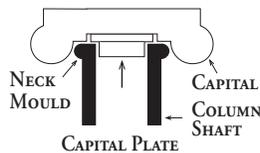
## Tips

- ✓ 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.

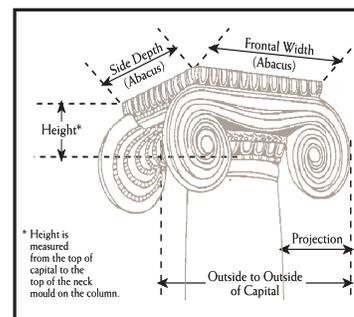
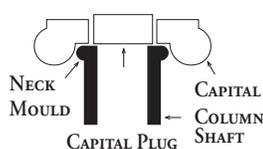
### DECORATIVE CAPITALS FOR ROUND TAPERED PERMACAST® COLUMNS

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.

#### 8"-12" LOAD BEARING CAPITAL



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



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<sup>®</sup> 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

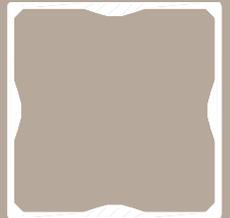
PermaLite®  
Square Plain

PermaLite®  
Square Recessed  
(with panel kit)

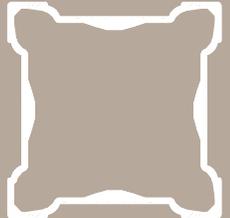
PermaLite® Square  
Recessed (with panel  
divider kit)

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

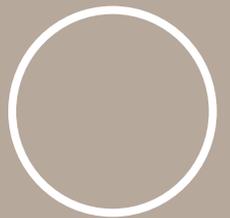
TOP VIEW  
CUT-AWAY



PermaLite® Plain



PermaLite® Recessed



PermaLite® Round



Square Tuscan Cap



Round Tuscan Cap



Square Tuscan Base



Round Tuscan Base

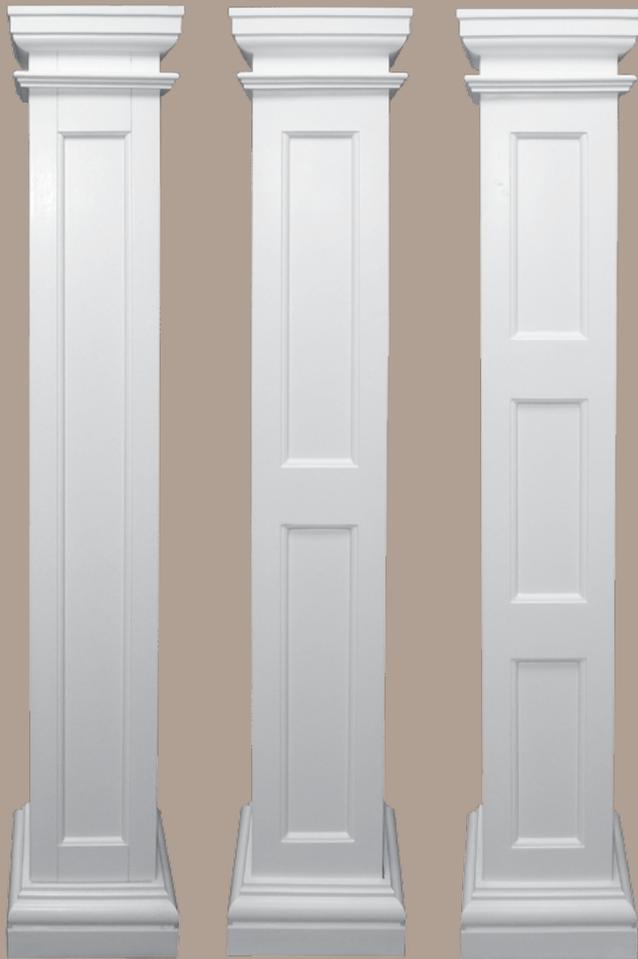
**For Tuscan Cap and Base dimensions refer to page 21.**



**Installation Kit for  
Beveled Cap and Base**



**Installation Kit  
(Both sold separately)**



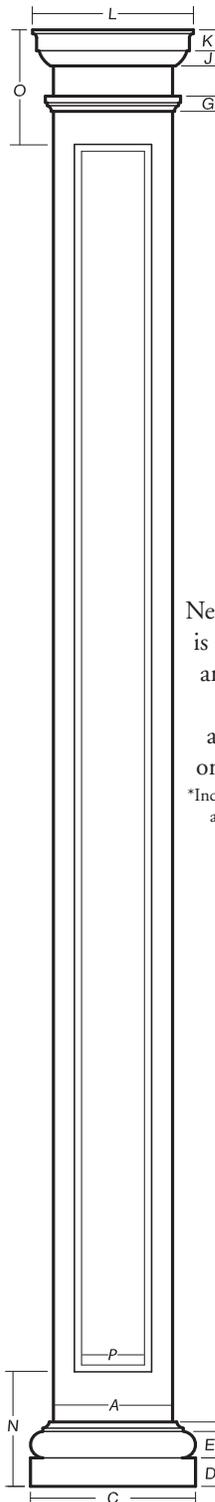
**PERMALITE® PANEL DIVIDER KITS TO CONVERT A SINGLE PANEL COLUMN INTO A 2 OR 3-PANEL COLUMN**

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

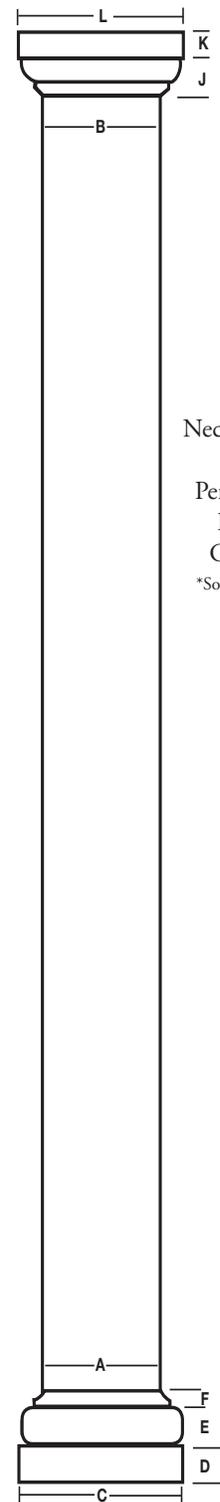
**PANEL DIVIDER KITS** are available.

Kit Size	Width	Height
8" Panel Divider Kit (4 Pieces)	4 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>4</sub> "
10" Panel Divider Kit (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.



PermaLite® Square Column shown with Tuscan Cap and Base



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

Neck Mould\* is adjustable and can be applied anywhere on column.  
\*Included with cap and base set.

Neck Mould\* for PermaLite® Round Column  
\*Sold separately

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"	6, 8, 9, 10, 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"	6, 8, 9, 10, 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"	6, 8, 9, 10, 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"	6, 8, 9, 10, 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

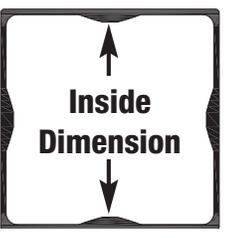
\* SIM caps and bases. The remainder are poly caps and bases. □ Recessed panel available.

• 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"	11/4"	12-1/8"	2-3/4"
12"	14-1/8"	1-1/4"	1-1/16"	7/16"	1"	13/8"	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"



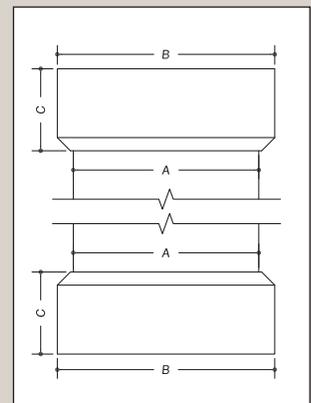
One Piece Neck Mould for 8" and 10" Round No-Taper Column Is Available. Neck Ring Sold Separately.

### 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

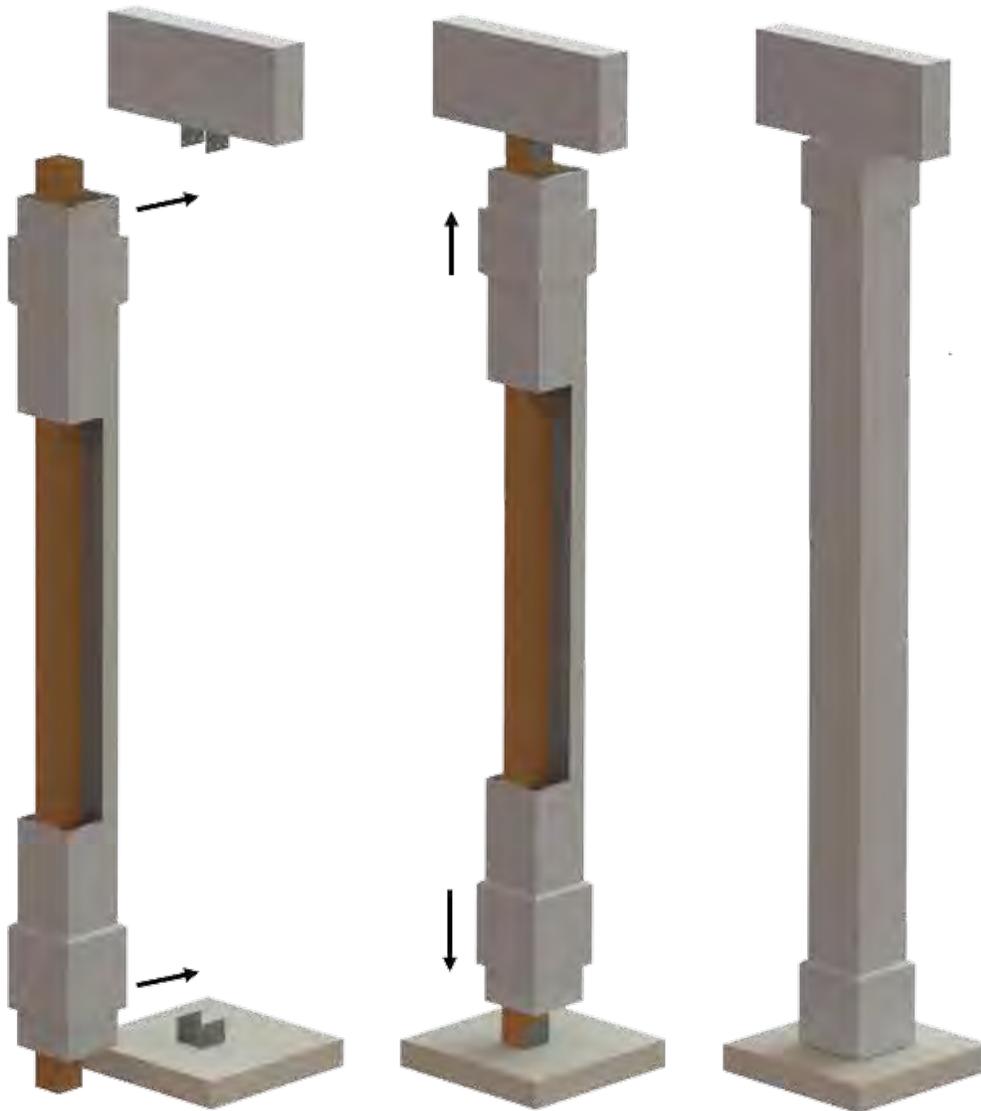
## WHAT YOU NEED TO KNOW:

- 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.

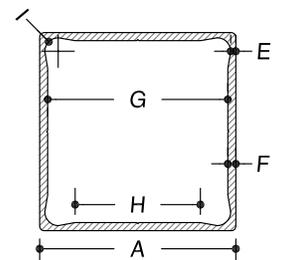
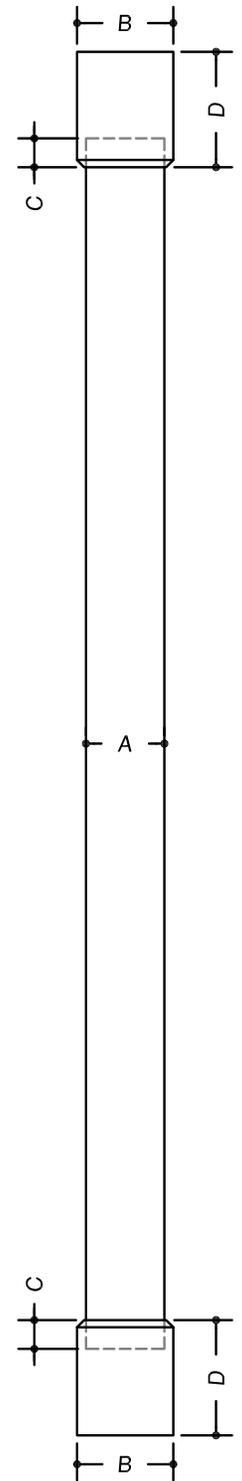
## PLAIN AND SQUARE SMART COLUMN DIMENSIONS (IN INCHES)

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.

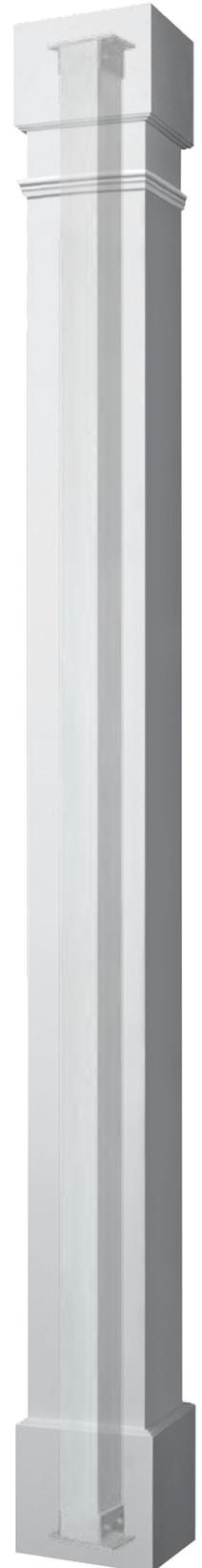


\*Pressure treated post not included

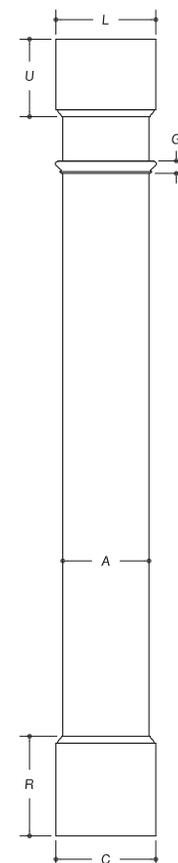


# RigidWrap® Columns

- 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.

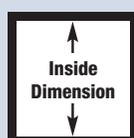


## PLAIN COLUMN DIMENSIONS (IN INCHES)

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> "



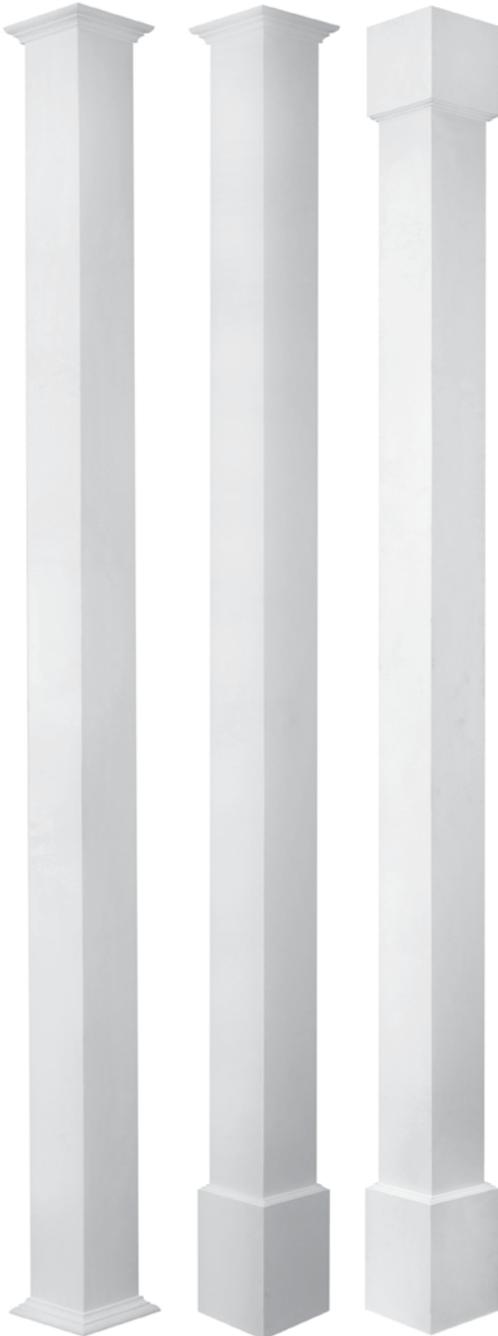
NOTE: Follow cPVC painting instructions on page 25.  
• 3/8" Material Thickness

\*See Warranty

# PermaSnap™ Column Wrap

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

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.



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

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

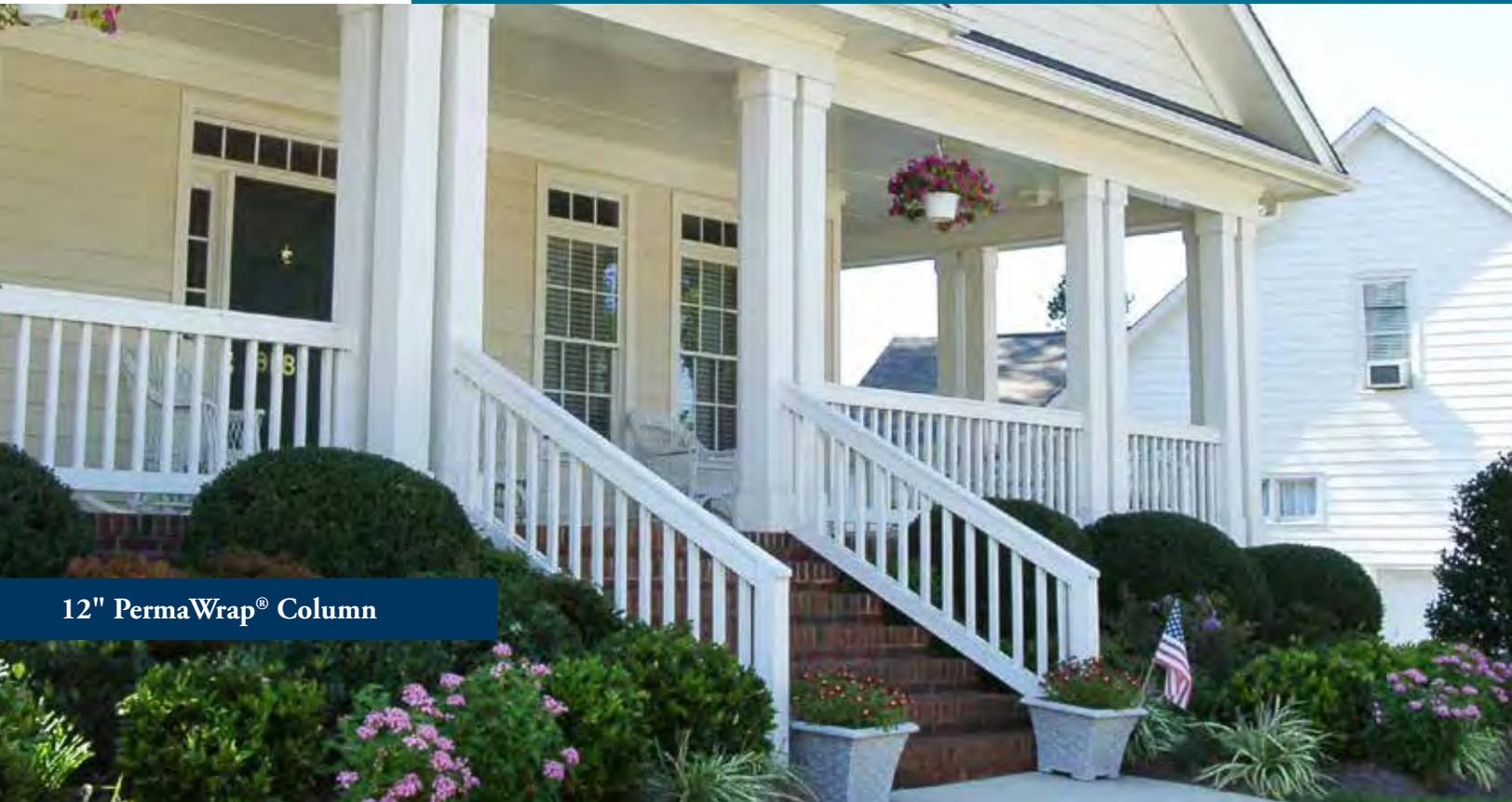
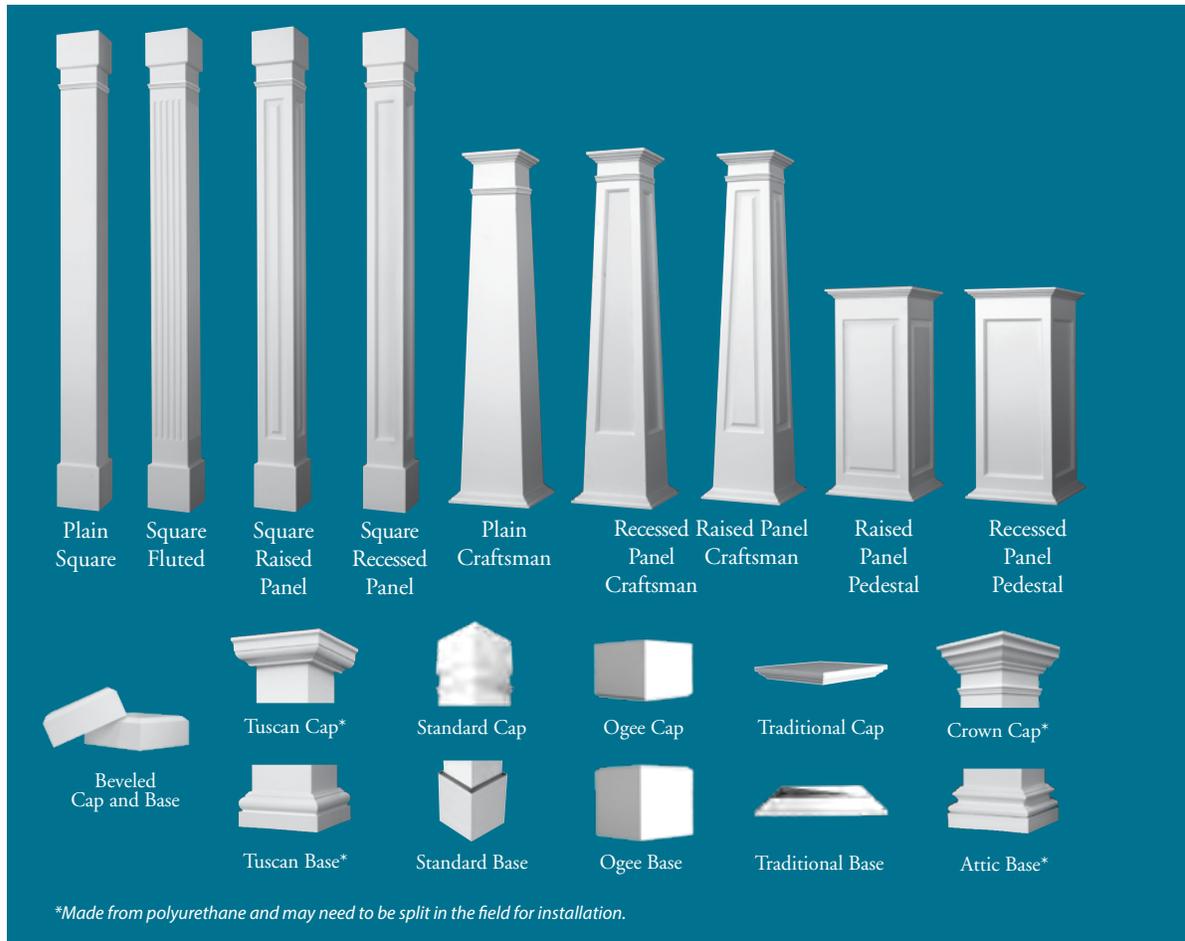
- 25 year limited warranty\*
- Custom styles available
- Made from cellular PVC
- Installation kit included
- Interior and exterior use
- Weather proof
- Insect proof
- Low maintenance

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



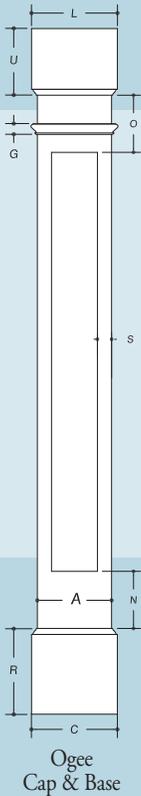
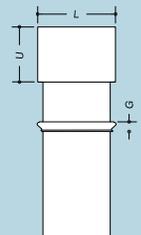
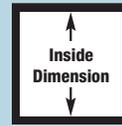
12" PermaWrap® Column

## 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)

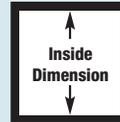
Col Width	A	C	G	L	N	O	S*	R	U	Lengths
6"	5 <sup>7</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>4</sub> "	6"	6"	1 <sup>3</sup> / <sub>4</sub> "	9"	7"	6', 8', 9', 10', 12'
8"	7 <sup>7</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	1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

\*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.



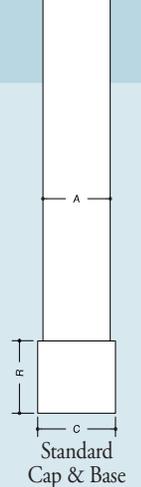
### NUMBER OF FLUTES PER SIDE

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



## 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"

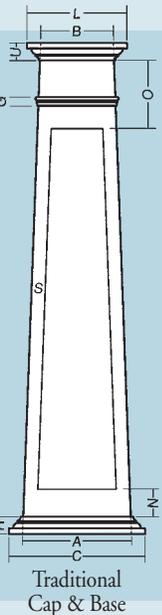
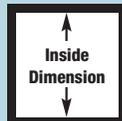
Additional sizes are available from 5" to 24" wide and 2' to 20' in length.

### 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\*

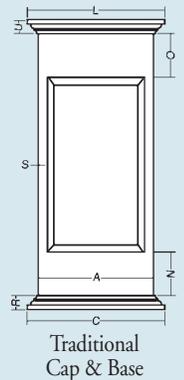
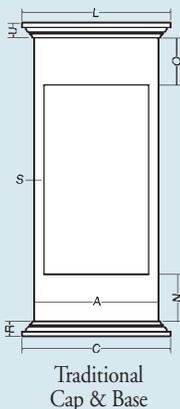
12"	10 <sup>7</sup> / <sub>8</sub> "
16"	14 <sup>7</sup> / <sub>8</sub> "
20"	18 <sup>7</sup> / <sub>8</sub> "
24"	22 <sup>7</sup> / <sub>8</sub> "

\*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



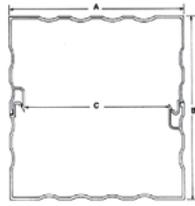
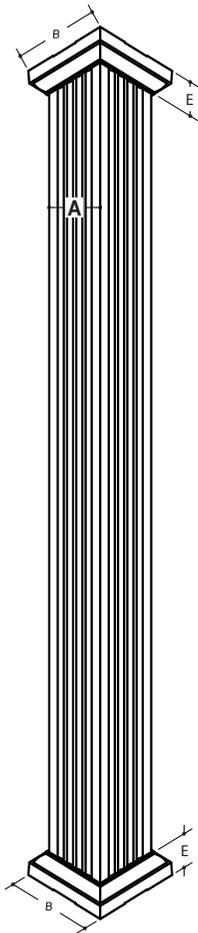
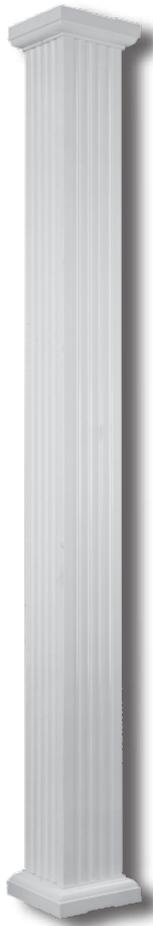
## CPVC PAINTING AND FINISHING

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

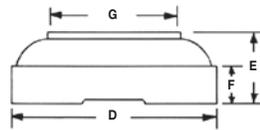
- Pre-Finished • Load Bearing • Low Maintenance • Available in Fluted, Recessed Panel, or Plain



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



10" Columns have four staves each.



Standard Cast Aluminum Cap and Base

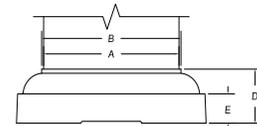
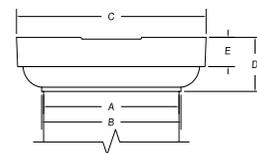
WHITE SQUARE FLUTED COLUMN DIMENSIONS				
Col. Size	# of Staves	A	B	C
4"	2	4-1/4"	4-1/4"	3-3/8"
6"	2	5-1/2"	5-1/2"	4-5/8"
8"	2	7-1/2"	7-1/2"	6-5/8"
10"	4	9-3/8"	9-3/8"	8-1/2"

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.



STD. CAP & BASE



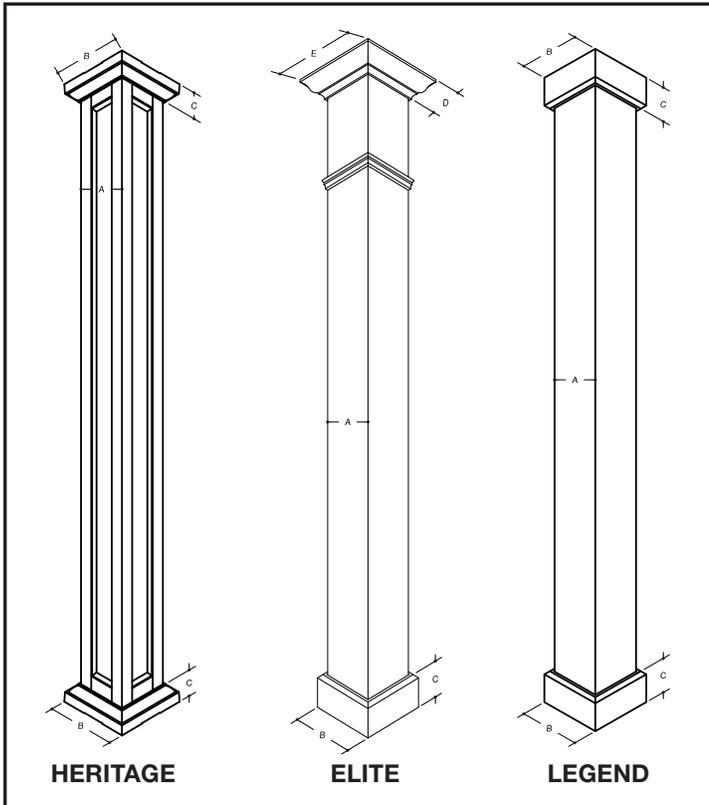
INSTALLATION KIT

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"

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'

# Heritage, Legend, and Elite Square Aluminum Columns



HERITAGE

ELITE

LEGEND

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)

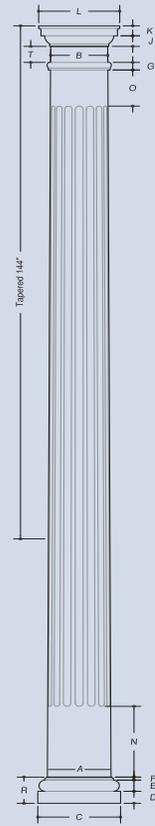
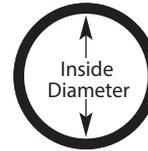
COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTHS AVAIL. (ft)
6"	5 <sup>5</sup> / <sub>8</sub> "	4 <sup>7</sup> / <sub>8</sub> "	7 <sup>1</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>8</sub> "	1 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup>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

Larger sizes available. Call for quote.

## ROUND WOOD INSIDE DIMENSIONS

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

COL. DIA.	TOP I.D.	BOT I.D.
6"	3 <sup>5</sup> / <sub>32</sub> "	3 <sup>5</sup> / <sub>32</sub> "
8"	4 <sup>3</sup> / <sub>4</sub> "	4 <sup>3</sup> / <sub>4</sub> "
10"	6 <sup>25</sup> / <sub>32</sub> "	6 <sup>25</sup> / <sub>32</sub> "
12"	7 <sup>29</sup> / <sub>32</sub> "	7 <sup>29</sup> / <sub>32</sub> "



## CAPITALS AND BASES FOR WOOD COLUMNS

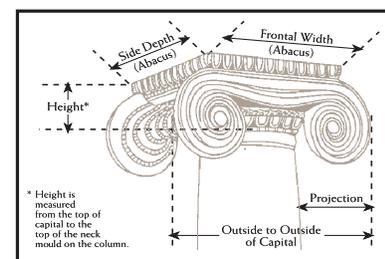
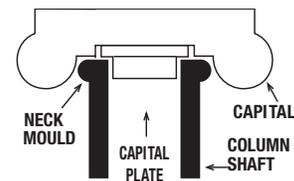
### DECORATIVE CAPITAL DIMENSIONS FOR ROUND COLUMNS (IN INCHES)

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

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

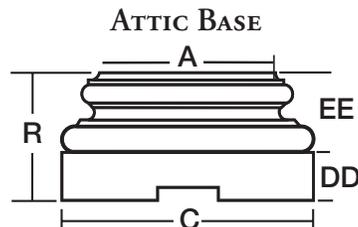
### 8" - 12" LOAD BEARING DECORATIVE CAPITALS FOR ROUND WOOD COLUMNS

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 +/- 1/4" for overall column height.



# 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			
		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"

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 a decorative cap order the appropriate base for the column.

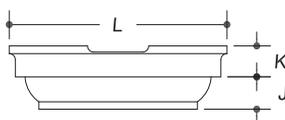
Decorative caps will lengthen or shorten the height of the column.

Ensure exact opening measurement prior to ordering column length.

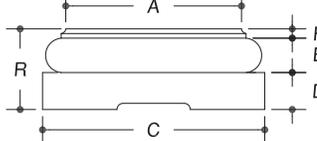
## WHAT YOU NEED TO KNOW

- 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.

## 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 PermaPost<sup>®</sup> Collection

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

- Pre-finished White
- Ready to Install
- 25 Year Limited Warranty\*

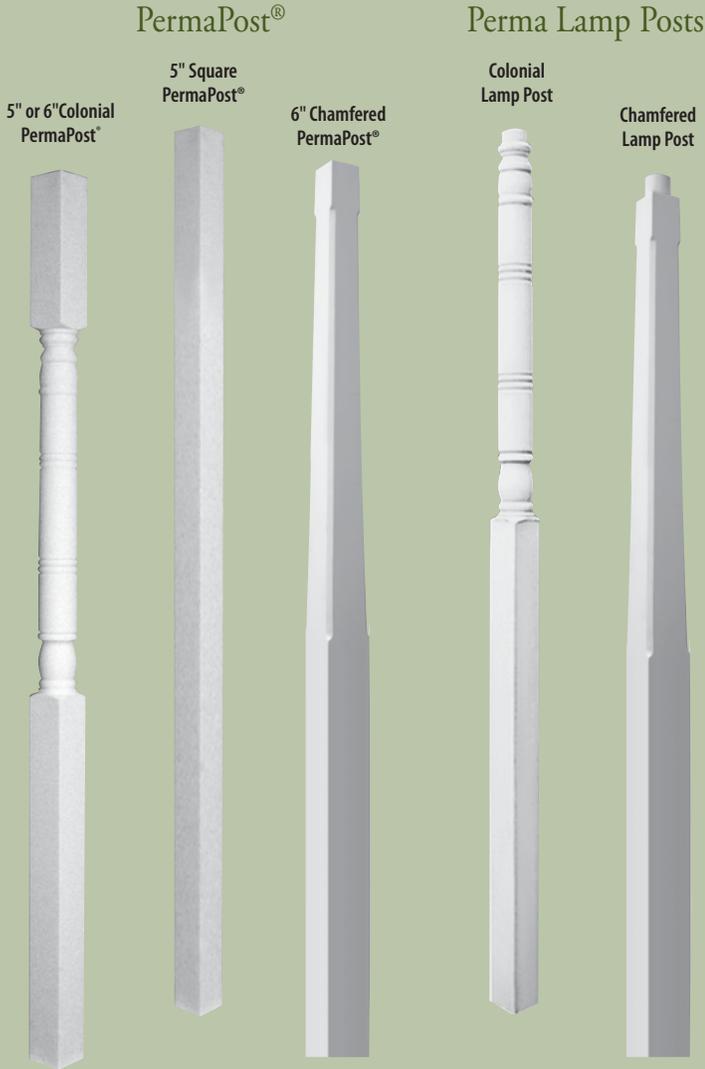
\*See Warranty

Chamfered PermaPost<sup>®</sup>



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®.



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.

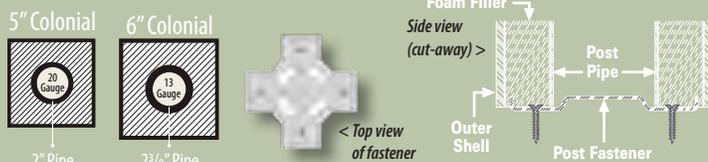
Post Size	Width	Turned Area	Base Height	Length (in feet)	Top Portion (Square Top)
<b>COLONIAL POSTS</b>					
5" x 5"	4"	38½"	41½"	8'	16¼"
5" x 5"	4"	38½"	45¼"	9'	24½"
6" x 6"	5"	38½"	41½"	8'	16¼"
6" x 6"	5"	38½"	45¼"	9'	24½"
<b>SQUARE POSTS</b>					
5" x 5"	4¼"	N/A	N/A	8'	N/A
5" x 5"	4¼"	N/A	N/A	9'	N/A
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.**



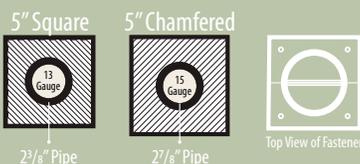
### Colonial Post

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



### Square Post

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



## Porch-Loc®

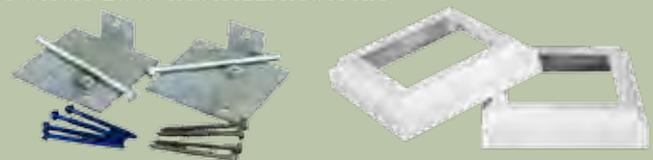
- Adds wind uplift resistance
- Porch-Loc® secures structural Colonial and Square PermaPost® to floor and beam/header
- Easy installation
- Durable skirts included

### 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".

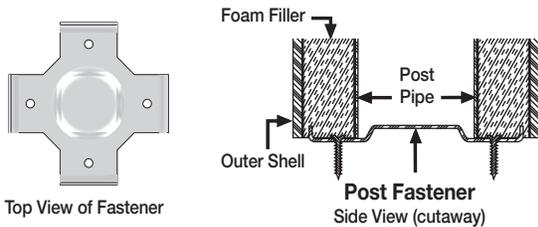
Chamfered PermaPosts and Perma Lamp Posts are net 3-1/2" (top) and 5-1/2" (bottom)

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

## FASTENING SYSTEMS

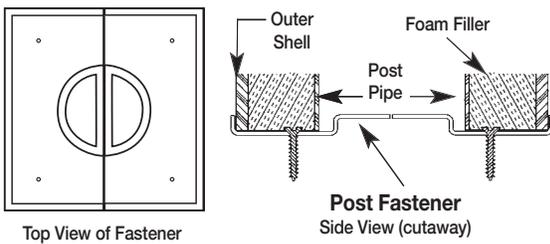
### COLONIAL POST

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



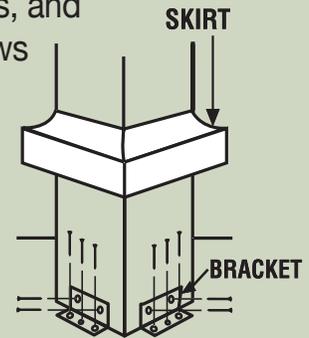
### SQUARE POST

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



## 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.

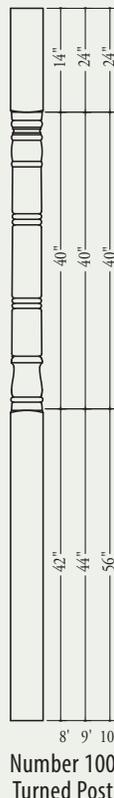


## WOOD PORCH POSTS

### NUMBER 100 TURNED WOOD POST\*

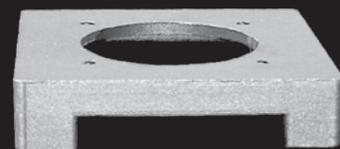
Our No. 100 turned wood posts are available in 4", 5", and 6" nominal sizes. (Cross sections are 3-1/4", 4-1/4", and 5-1/4" net size.)

\*Plinths should always be used with wood posts.



## ALUMINUM PLINTH FOR WOOD POST

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



# The **H** **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

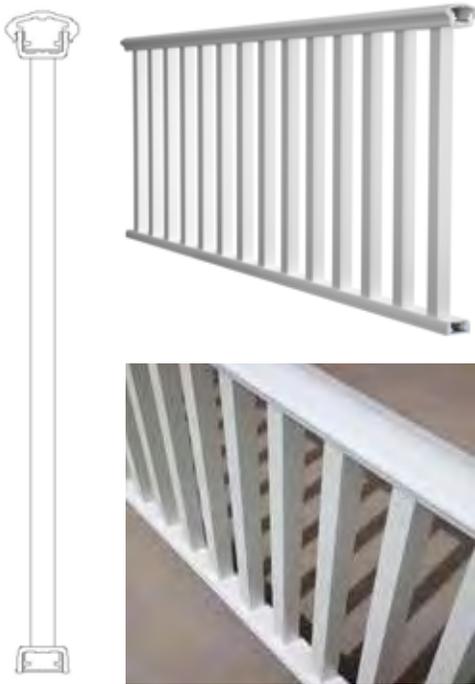
\*See Warranty.  
\*\*Patent Pending.

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

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.

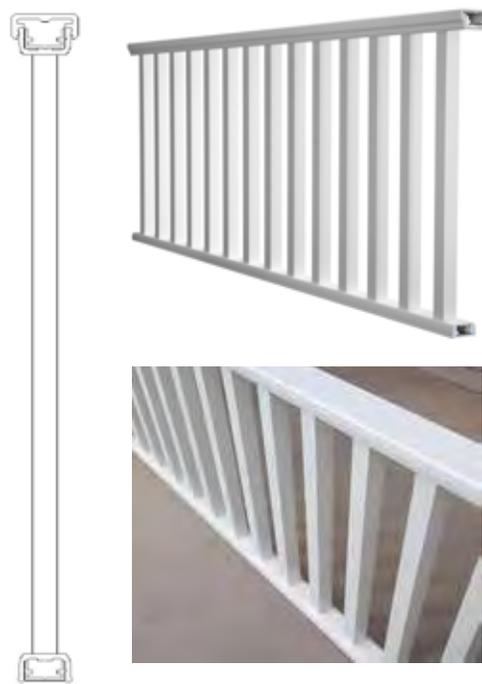
### Savannah

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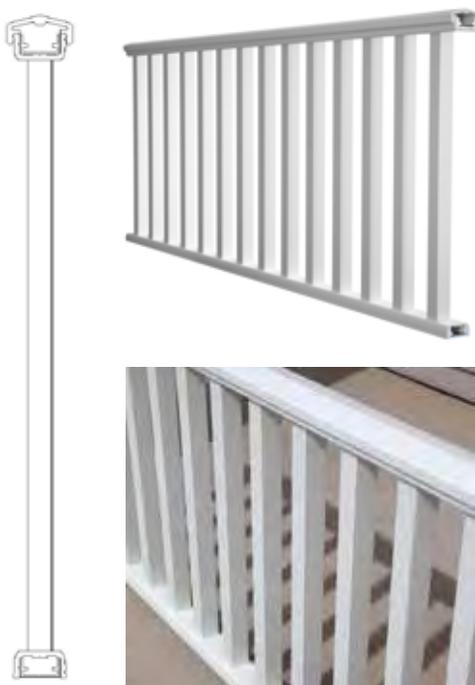
### Belhaven

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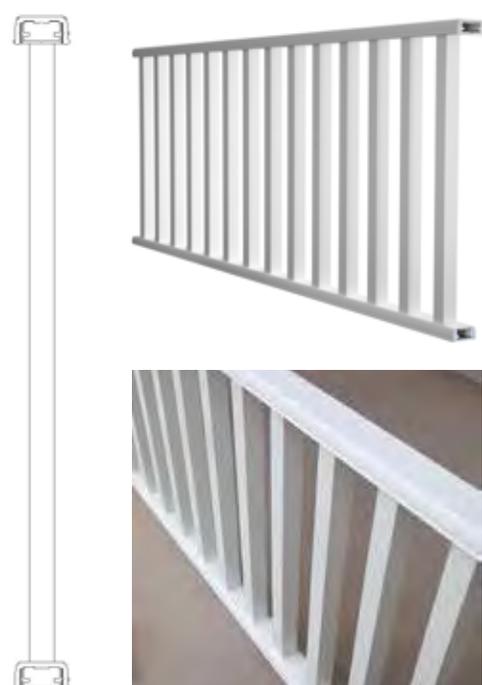
### Newport

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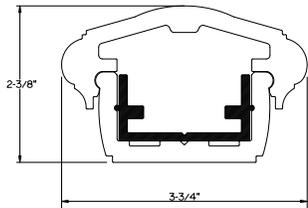
### Standard

---

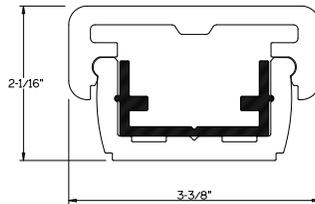


All rail sections are suitable for use with PermaCast® columns, PermaRail Plus® newels, or PermaPost®.

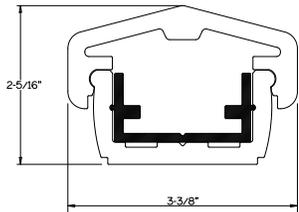
\*HB&G recommends checking all applicable building code requirements before the design and installation of PermaRail Plus®.



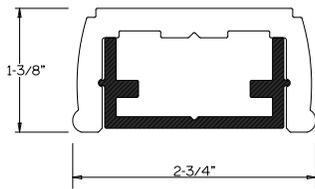
Savannah Top Rail\*



Belhaven Top Rail\*



Newport Top Rail\*



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

\*\*Maximum 8' Length

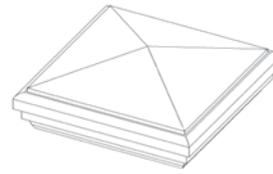
\*With Aluminum Stiffener and Standard Bottom Rail



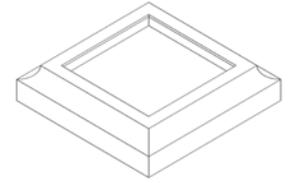
Supplemental Aluminum Stiffener for Savannah, Newport, and Bellhaven for Rail Lengths over 8'



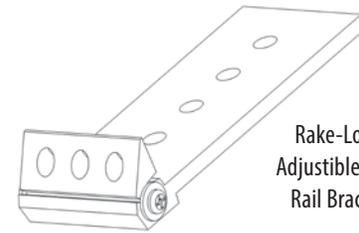
Standard Aluminum Stiffener



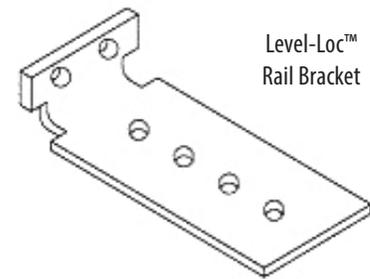
Newel Cap



Newel Skirt

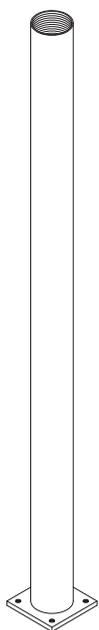


Rake-Loc™ Adjustable Stair Rail Bracket

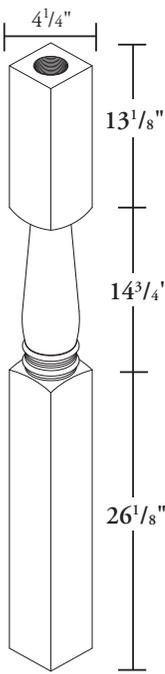


Level-Loc™ Rail Bracket

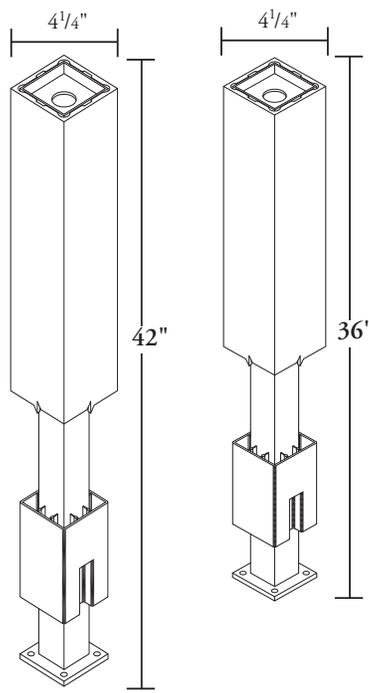
Chesterfield Newel Support Kit



Chesterfield Newel



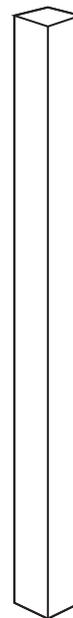
Newel-Loc™ Square Newel Post Mount System\*



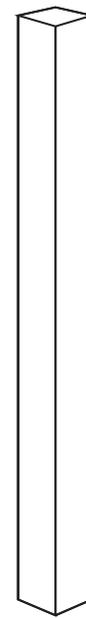
\*The 36" and 42" Newel Post Mount are designed for coastal conditions.

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

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



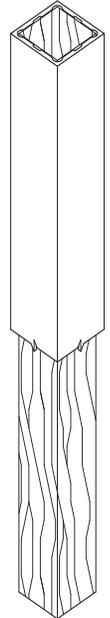
1-1/2" Square Baluster 30" and 36"



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<sup>®</sup> 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<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> rail hardware kit
  - Baluster screw kit

## 3. PRE-BUILT SECTIONS

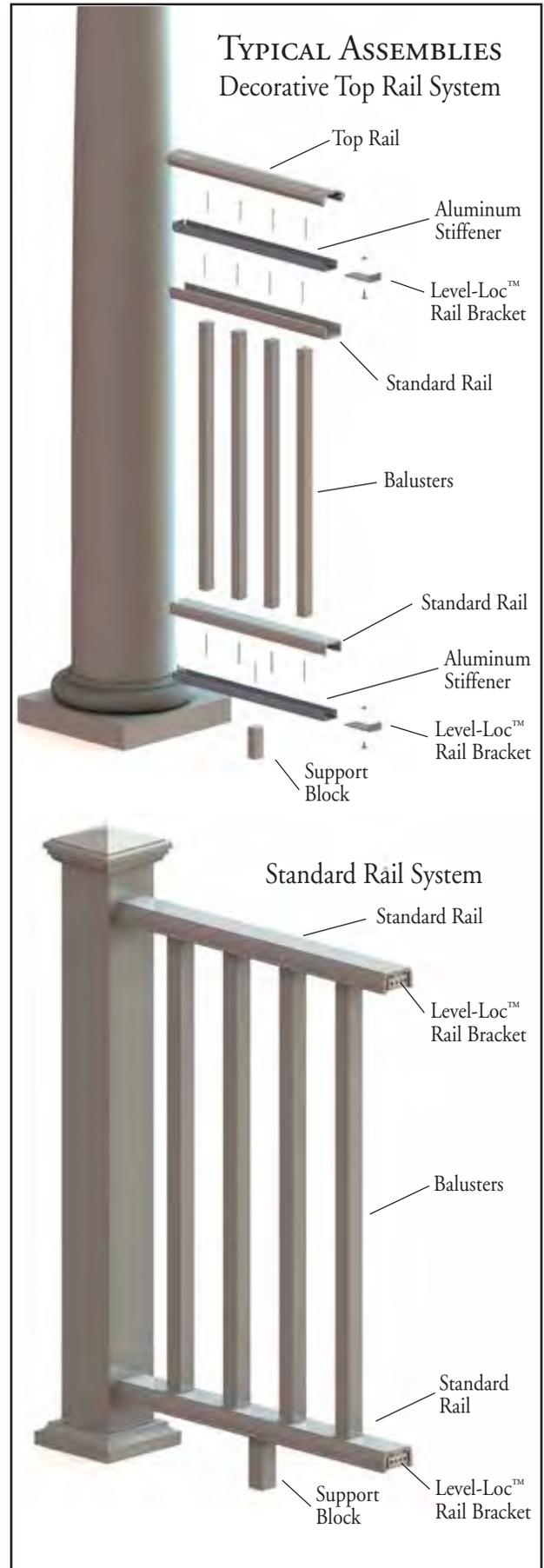
- Shipped factory assembled in standard lengths
- Easy to install
- Everything needed to install included

### • 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<sup>™</sup> 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<sup>®</sup> railing.



### BUILDING CODE COMPLIANCE

PermaRail Plus<sup>®</sup> 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.

# Balustrade Systems

- 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

## SQUARE

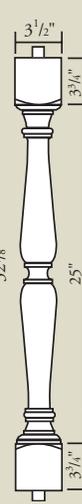


Baluster 58029

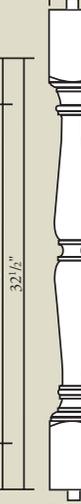
## SAFFRON



Baluster 58030



Baluster 58037

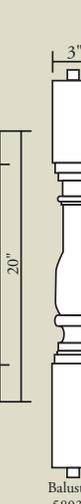


Baluster 58038

## SHANNON



Baluster 58031



Baluster 58036



Extended Baluster 58032

## SHELBY



Baluster 58033



Baluster 58034



Extended Baluster 58035

## SHERWOOD



Baluster 58061



Baluster 58062



Baluster 58063



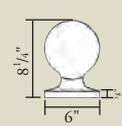
Poly moulding provided loose to be installed on job site. See page 9 for panel moulding styles.



Plain Newel #57088



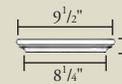
Five Sided Angle Newel #57084



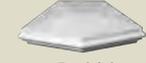
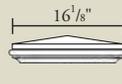
Ball Cap\* #57087  
\*Must be used with Flat Cap



Pyramid Cap #57085



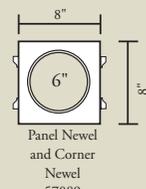
Flat Cap #57086



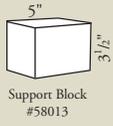
Five Sided Pyramid Cap #57083



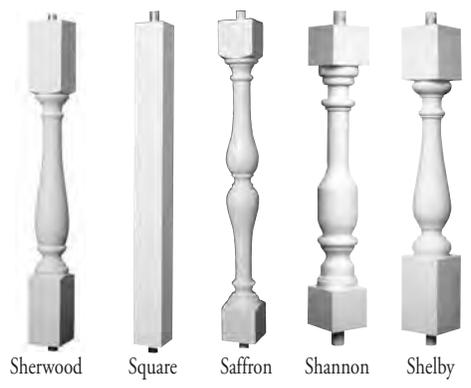
Top View Five Sided Angle Newel #57089



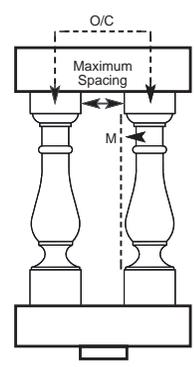
Panel Newel and Corner Newel #57089



Support Block #58013



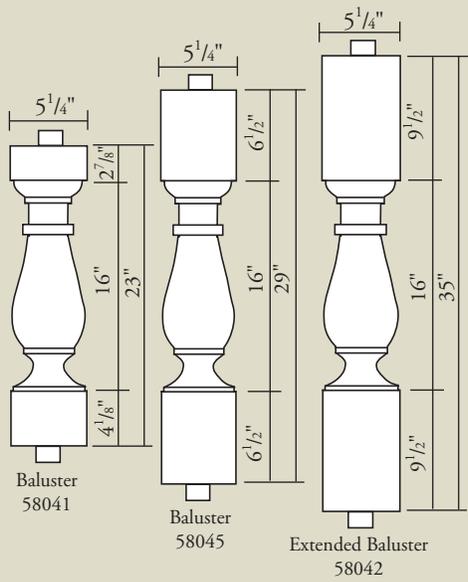
Sherwood Square Saffron Shannon Shelby



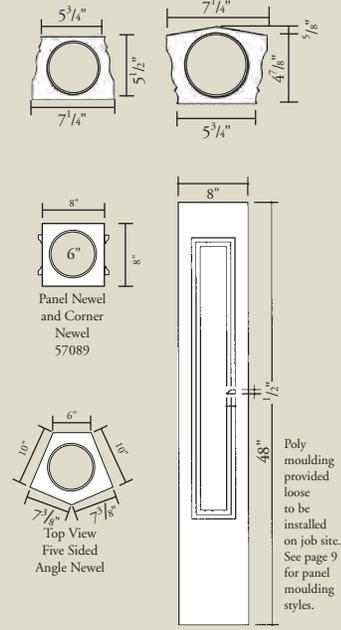
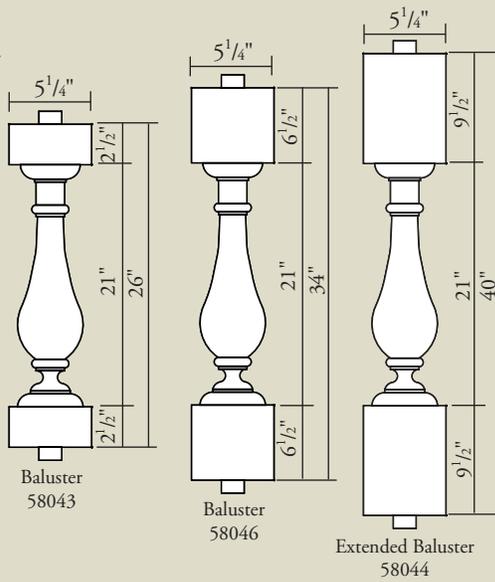
SKU	M	Maximum Spacing	O/C
58031	3/4"	2 1/4"	5 1/4"
58032	3/4"	2 1/4"	5 1/4"
58036	3/4"	2 1/4"	5 1/4"
58033	1"	2 1/8"	5 1/2"
58034	1"	2 1/8"	5 1/2"
58035	1"	2 1/8"	5 1/2"
58037	1"	2"	5 1/2"
58038	1"	2"	5 1/2"
58029	0"	4"	7"
58030	0"	4"	7"
58061	1 1/16"	1 3/4"	5 1/4"
58062	1 1/16"	1 3/4"	5 1/4"
58063	1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

# 7" Balustrade System

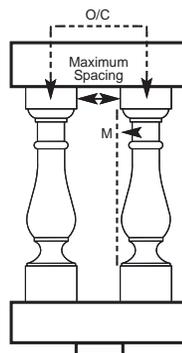
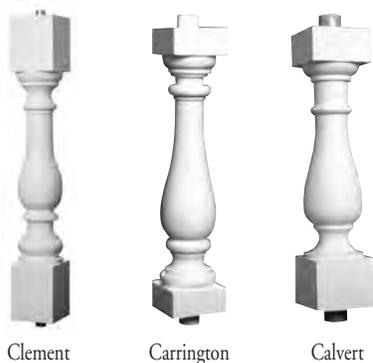
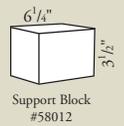
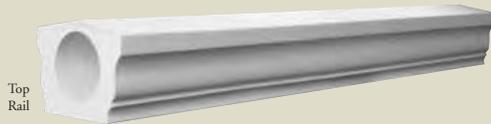
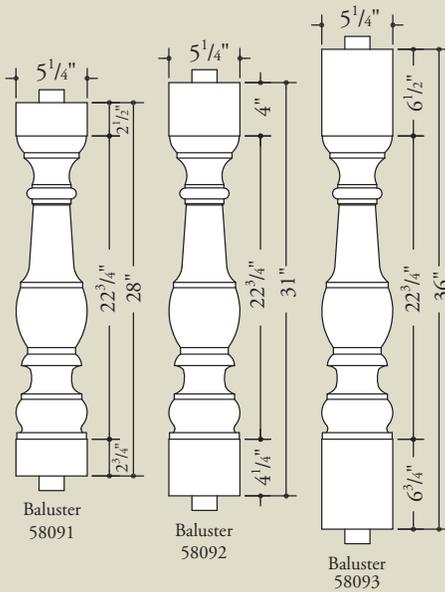
## CALVERT



## CARRINGTON



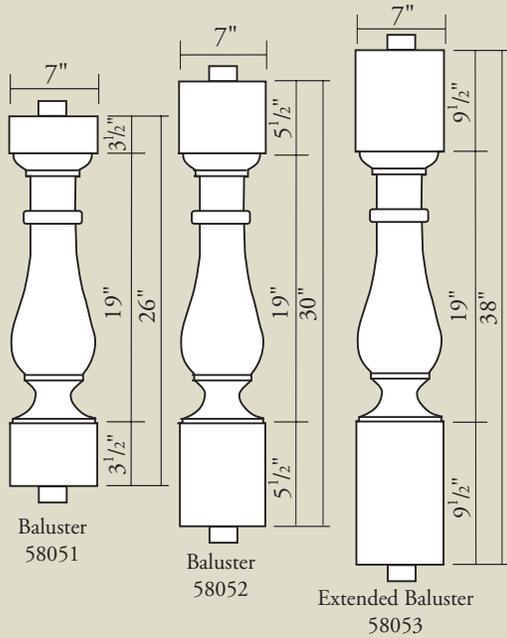
## CLEMENT



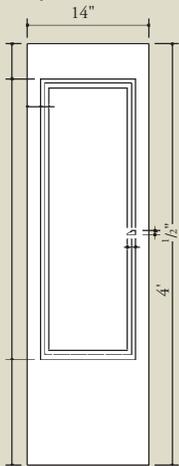
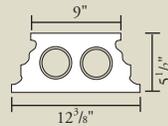
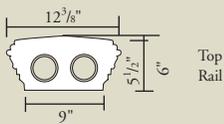
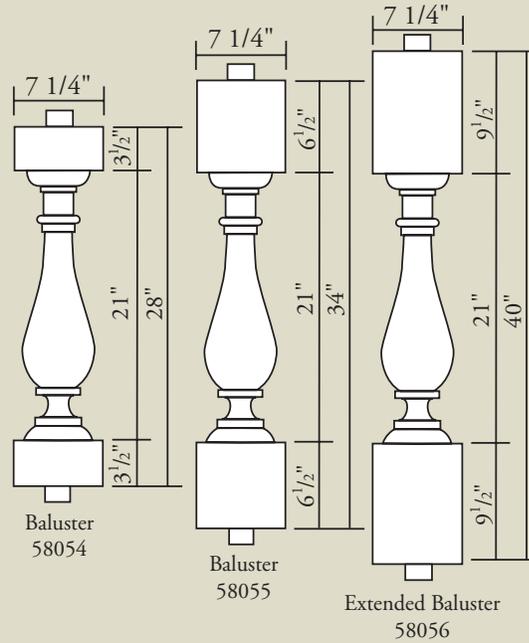
SKU	M	Maximum Spacing	O/C
58041	1-1/4"	1-1/4"	6-1/2"
58042	1-1/4"	1-1/4"	6-1/2"
58045	1-1/4"	1-1/4"	6-1/2"
58043	1-1/2"	3/4"	6"
58044	1-1/2"	3/4"	6"
58091	1-5/16"	1-3/8"	6-5/8"
58092	1-5/16"	1-3/8"	6-5/8"
58093	1-5/16"	1-3/8"	6-5/8"

# 12" Balustrade System

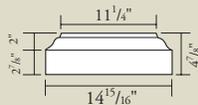
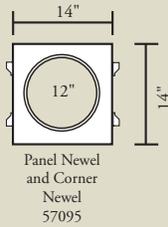
## MANDEVILLE



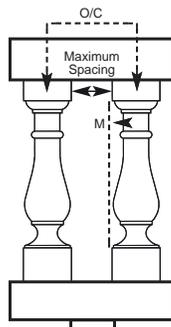
## MANASSES



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



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



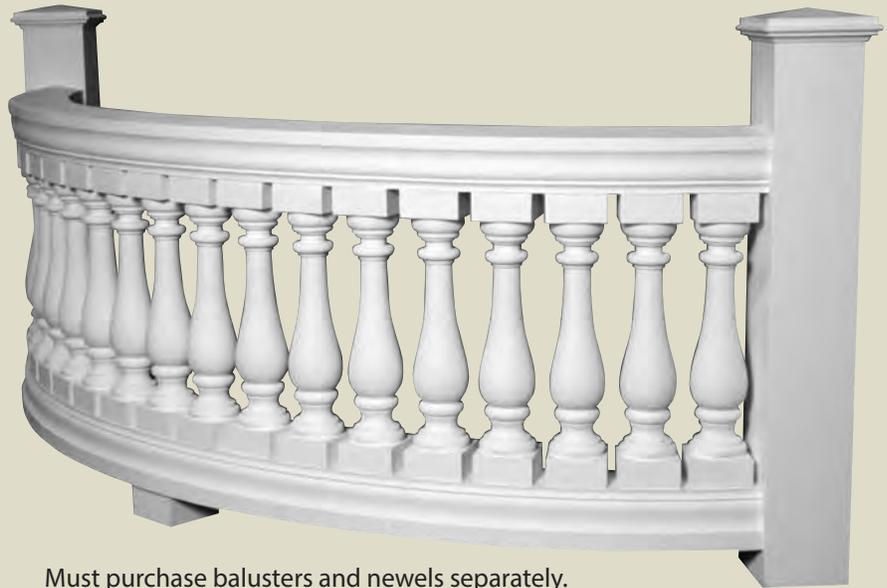
## 12"

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.

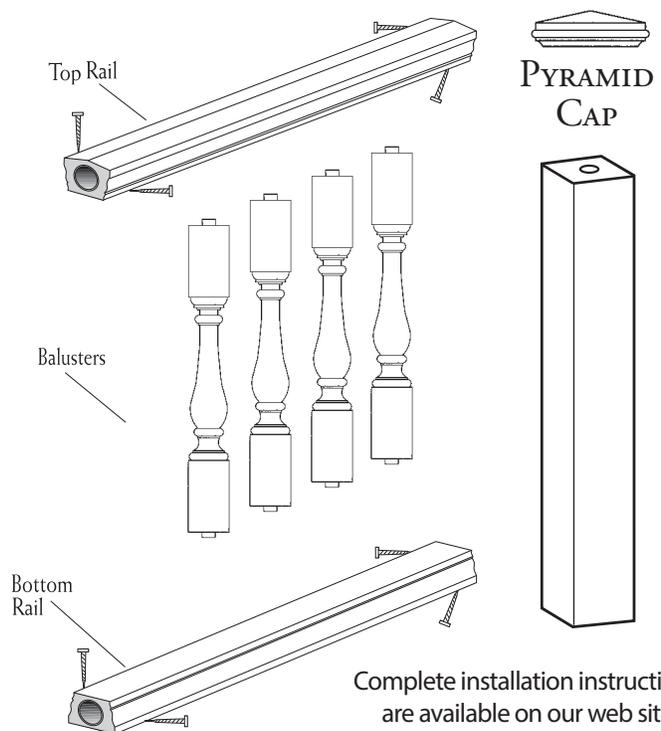
## Building Codes

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.

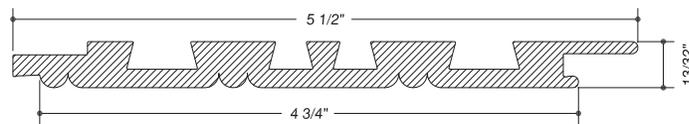
PERMAPORCH® CEILING MOULDING\*

Rams Crown  
2 1/16" X 1 3/8" X 12'

Bed Moulding  
1 1/4" X 1 1/8" X 12'

Lattice Moulding  
1 1/2" X 1/4" X 12'

\*Ceiling moulding requires painting



# 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.



### 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



### 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"\*

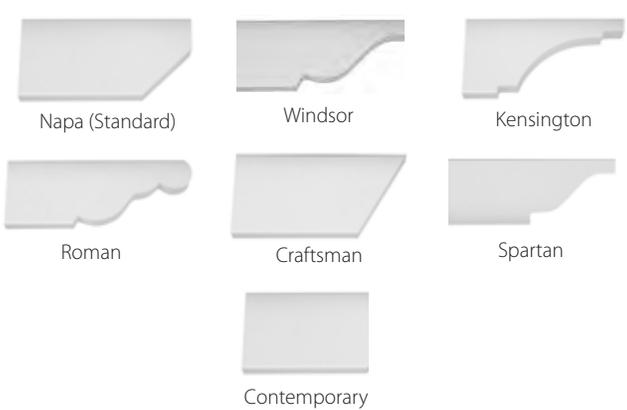
\*Sold Separately, Deck Screws not included

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

# 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® predesigned 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.



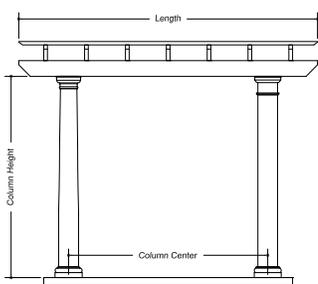
Overhead Size	Column Center	Column Size*
8' x 8'	8' x 8'	10" x 9'
10' x 10'	10' x 10'	10" x 9'
12' x 12'	12' x 12'	10" x 9'

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

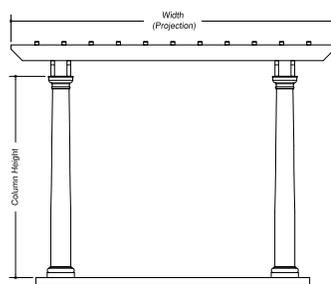
## UNDERSTANDING PERGOLA DIMENSIONS

### FREESTANDING PERGOLAS

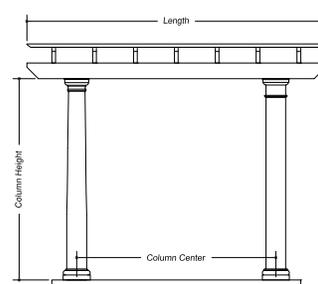
### ATTACHED PERGOLAS



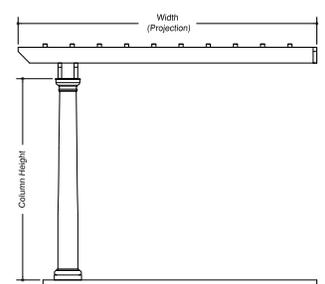
**Front View**  
Beam / Structural rafters run the length of the pergola.



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



**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.



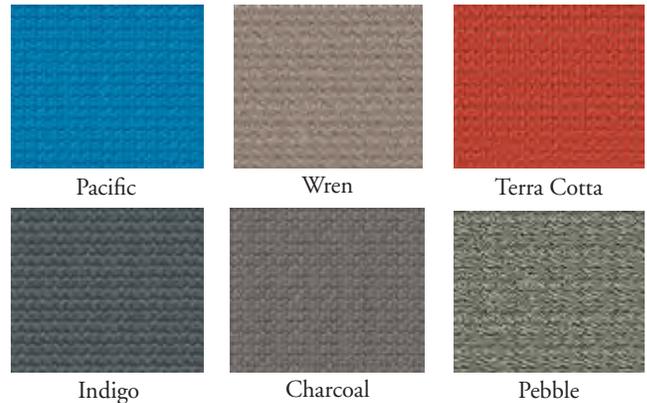
NOTE: Mor-Shade® Canopy and Shade Sail must be removed when severe weather is anticipated or the warranty is void.

## 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-17¼"; W-2¾"; P-13¼"



H-15¼"; P-15¼"



H-13¾"; P-13"



H-14¾"; P-14¾"



H-12½"; P-10¼"



H-13¼"; P-10"



H-15⅞"; P-15⅞"



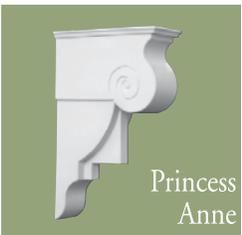
H-13¾"; W-2½"; P-9¾"



H-15"; P-14"



H-13½"; P-13½"



H-14½"; W-4"; P-9¼"



H-19"; P-15"



H-16"; P-9¼"



H-11⅓"; P-11⅓"



H-15⅝"; P-15⅝"



H-15"; W-4"; P-9½"



H-12¼"; P-12¼"



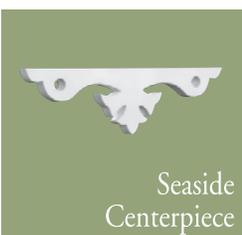
H-9⅞"; W-3½"; P-6¾"



H-22⅞"; P-13¼"



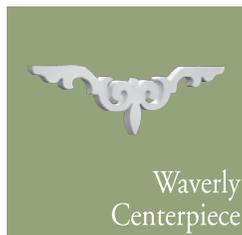
H-14⅙"; P-12⅙"



H-5⅞"; L-20⅞"



H-7⅙"; L-24"



H-6"; L-20"



H-5⅙"; L-24¼"



H-5⅝"; 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<sup>1</sup>/<sub>2</sub>"



QUEEN ANNE  
NO. 79477, D 21"



CABOT  
NO. 79450, D 44<sup>3</sup>/<sub>4</sub>"



CHERUB  
NO. 79469, D 22<sup>3</sup>/<sub>16</sub>"



CHARLOTTE  
NO. 79478, D 24"



EGG AND DART  
NO. 79487, D 30<sup>1</sup>/<sub>8</sub>"  
NO. 79486, D 24"  
NO. 79485, D 18<sup>1</sup>/<sub>2</sub>"



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



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



BELLE MEADE  
NO. 79120, D 12<sup>1</sup>/<sub>4</sub>"



CORNWALL  
NO. 79140, D 14<sup>3</sup>/<sub>4</sub>"



MONTGOMERY  
NO. 79090, D 9<sup>1</sup>/<sub>4</sub>"



NORWICH  
NO. 79455, D 31<sup>1</sup>/<sub>8</sub>"



FLORENTINE  
NO. 79465, D 28<sup>1</sup>/<sub>2</sub>"



VENETIAN  
NO. 79300, D 31"  
NO. 79310, D 21<sup>1</sup>/<sub>4</sub>"



BILTMORE  
NO. 79479, D 25<sup>3</sup>/<sub>4</sub>"  
NO. 79480, D 16<sup>1</sup>/<sub>16</sub>"



MONTICELLO  
NO. 79280, D 27<sup>1</sup>/<sub>8</sub>"  
NO. 79282, D 23<sup>3</sup>/<sub>4</sub>"



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



LADY SARA  
NO. 79461, D 23<sup>3</sup>/<sub>8</sub>"  
NO. 79460, D 18"



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



**JELD WEN**  
WINDOWS & DOORS

W-2500 Wood  
Wood Window  
Double-Hung

Architectural Design Manual



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**Section Details**

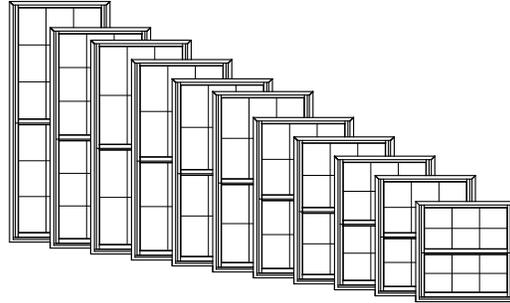
Operator:	
Standard Sections .....	10
Pocket Sections .....	11
Geometric Insash:	
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**Sizing Details**

Min-Max Sizing:	
Operator.....	14
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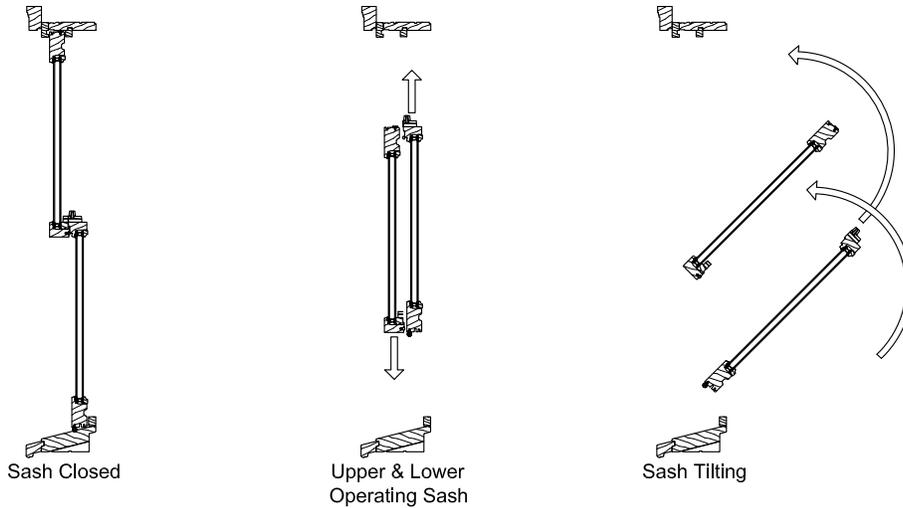


GENERAL INFORMATION



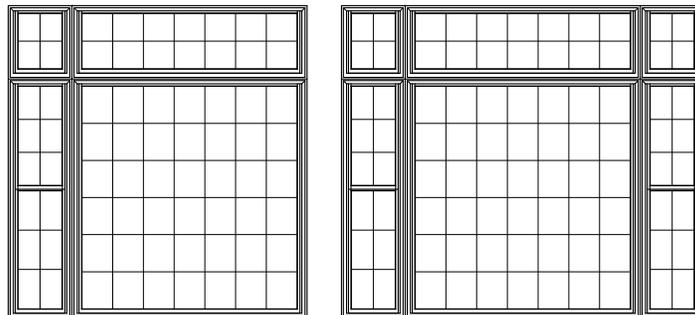
Dimensional Windows

W-2500 Wood Double-Hung windows may be specified as "dimensional" by adjusting the desired rough opening width or height. Sitrline Wood Double-Hung windows feature fully operating upper and lower sash which can be tilted or removed for easy cleaning.



Multiple Assemblies

W-2500 Wood Double-Hung windows may be mulled beside other wood double-hung, wood picture windows, or below wood transom windows, to fulfill a wide variety of needs.



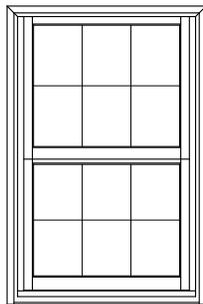


LITE CUT INFORMATION

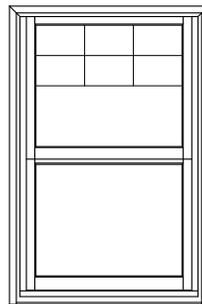
Lite Cut Options

W-2500 Wood Double-Hung windows are available with removable Grilles, Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

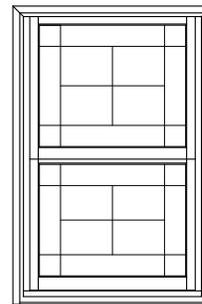
Special lite cut patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



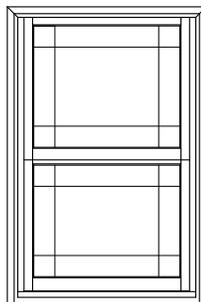
Colonial



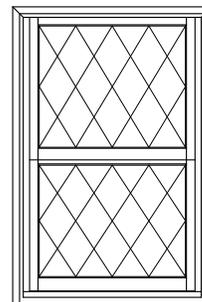
Colonial From  
Top Down



Uneven



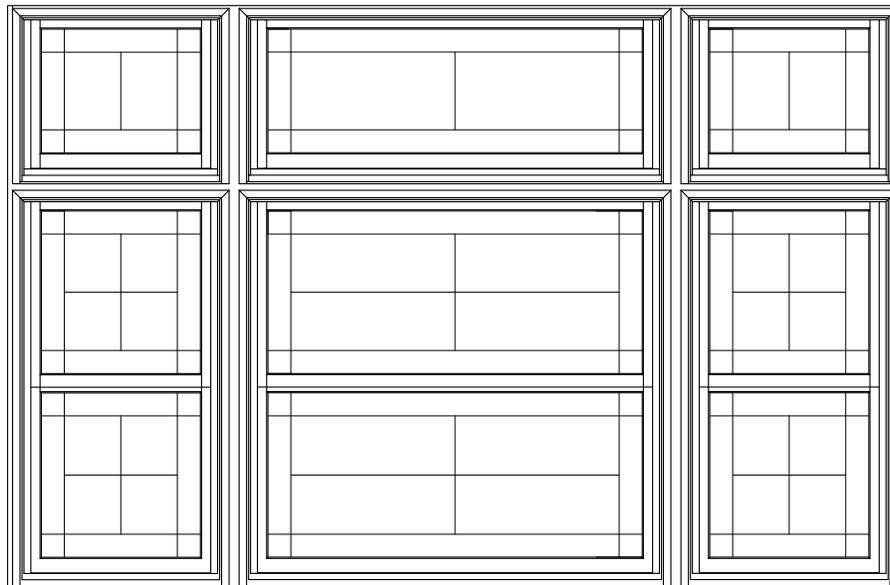
Prairie



Diamond

Bar Alignment

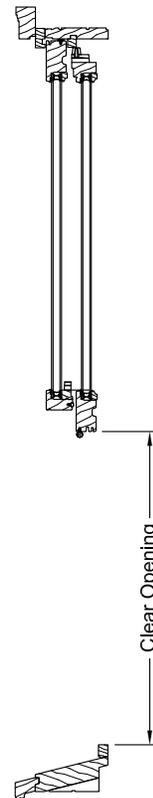
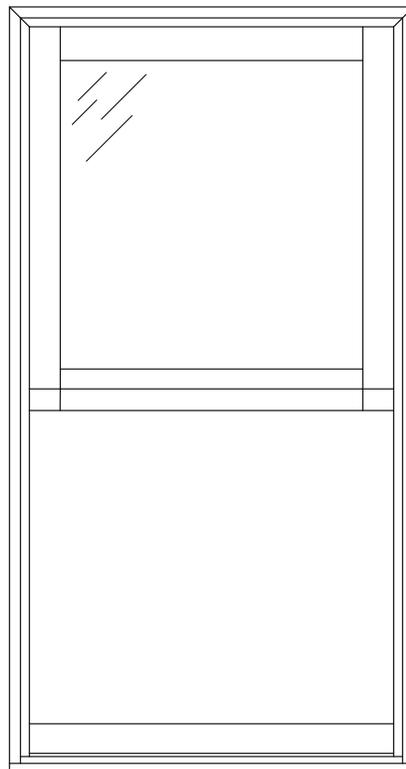
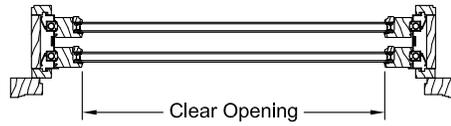
Alignment of divided lite muntin bars from one window to the next is often required by fine architectural design. Wood grilles, GBG, and SDL's may be specified with muntin bars aligned.





CLEAR OPENING FORMULAS

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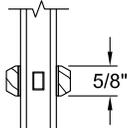
Double-Hung (Even Divide)  
Vertical =  $(\text{Frame Height} / 2) - 3 \frac{9}{16}"$   
Horizontal =  $\text{Frame Width} - 3 \frac{3}{4}"$



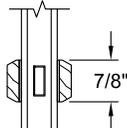
**GRID OPTIONS**

Exterior ← → Interior

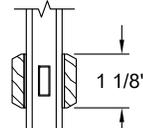
SDL Options



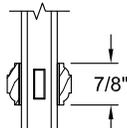
5/8"  
Putty



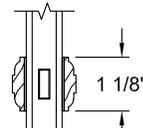
7/8"  
Putty



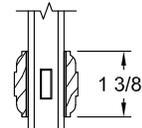
1 1/8"  
Putty



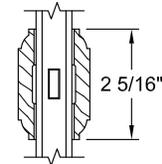
7/8"  
Bead



1 1/8"  
Bead



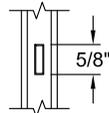
1 3/8"  
Bead



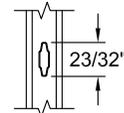
2 5/16"  
Bead

Note: Various Combinations of the SDL Bars Shown are Available

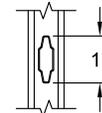
GBG Options



5/8" Flat



23/32"  
Contour



1" Contour

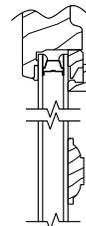
Grille Options



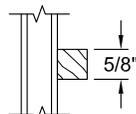
7/8"  
Full Surround



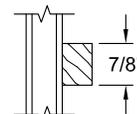
1 1/8"  
Full Surround



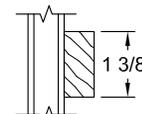
1 3/8"  
Full Surround



5/8"  
Wood Grille



7/8"  
Wood Grille



1 3/8"  
Wood Grille



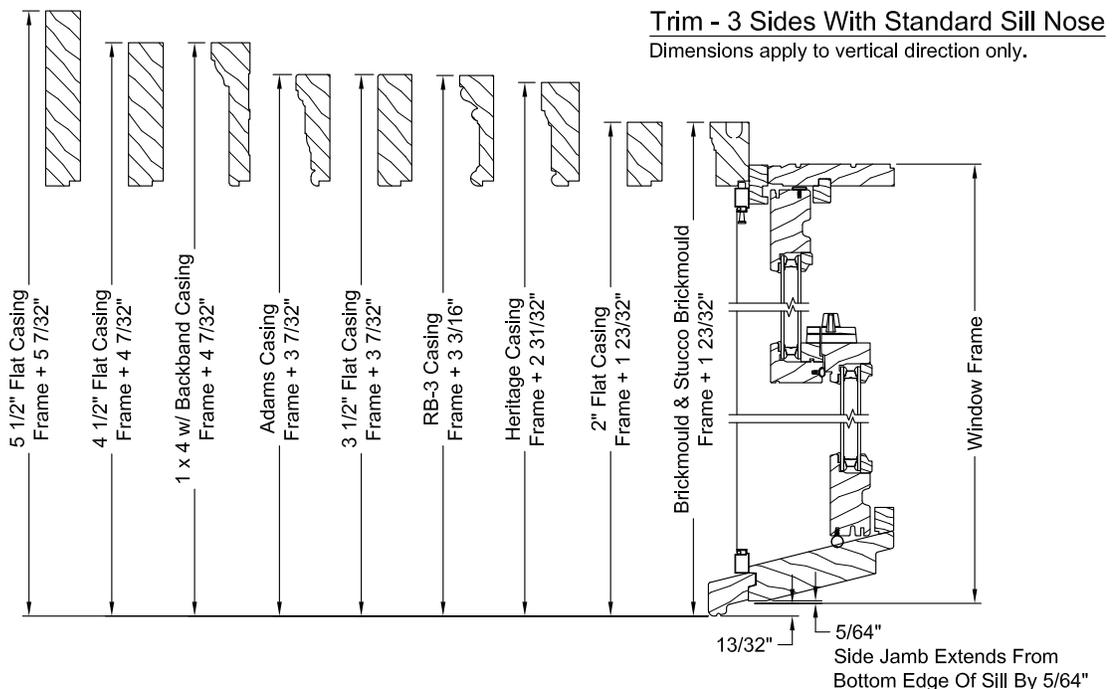
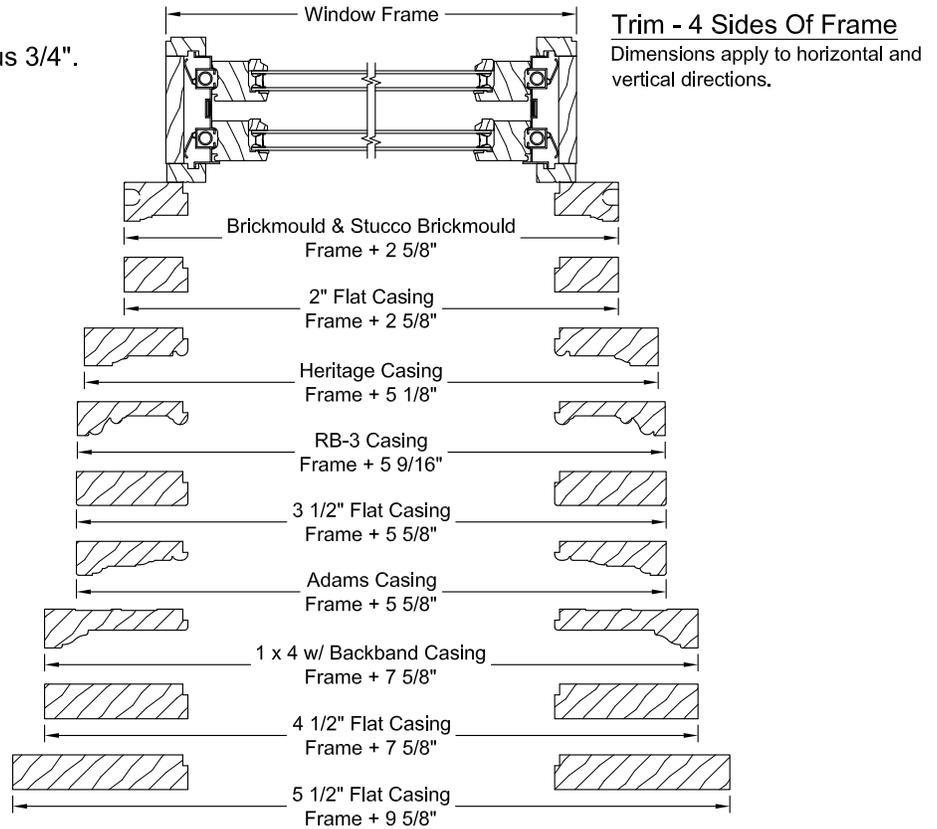
**UNIT SIZING**

Rough Opening

The frame size of the window plus 3/4".

Masonry Opening

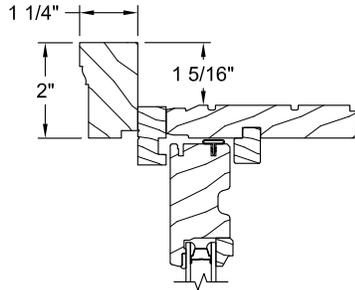
The overall size of the window, including trim, plus 1/2".



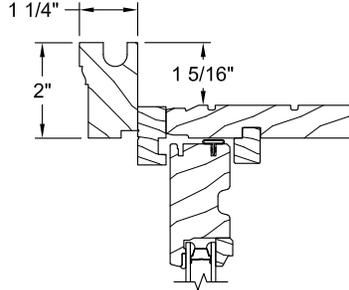


**TRIM & SILL OPTIONS**

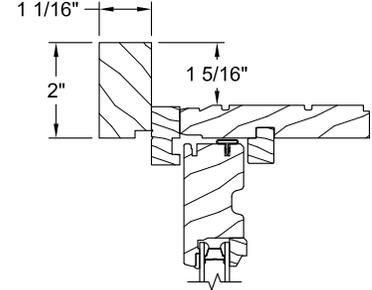
Trim Options



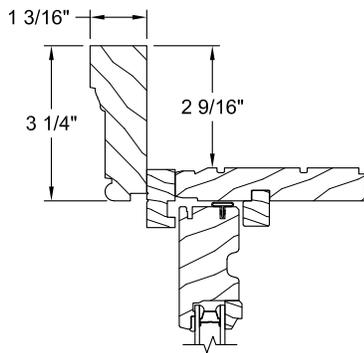
**Brickmould**



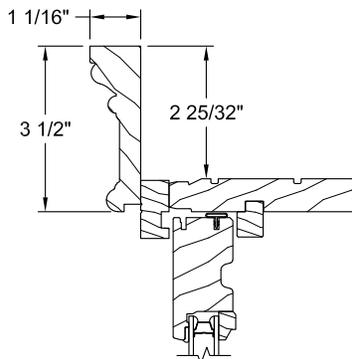
**Stucco Brickmould**



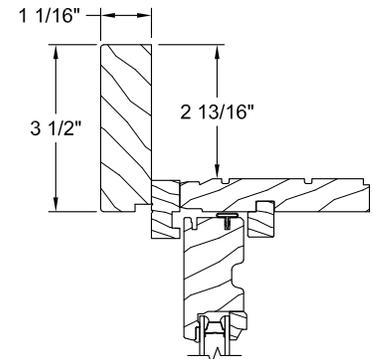
**2" Flat Casing**



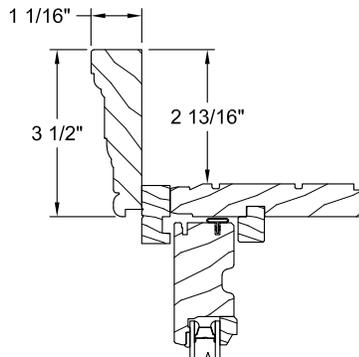
**Heritage Casing**



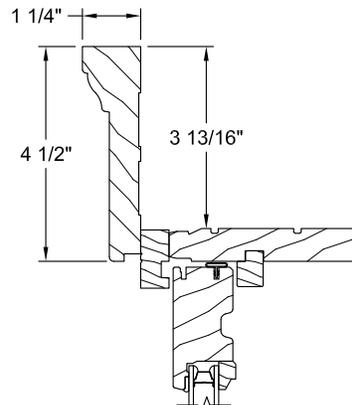
**RB-3 Casing**



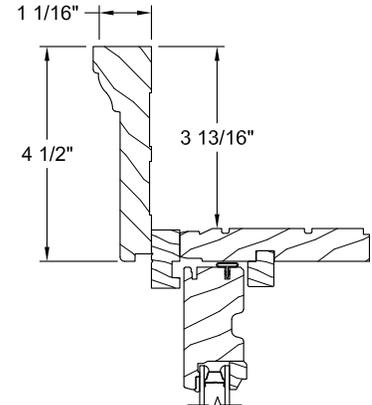
**3 1/2" Flat Casing**



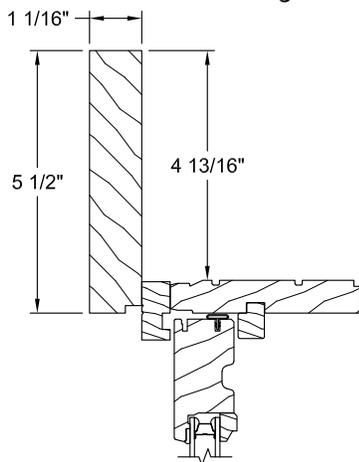
**Adams Casing**



**1 x 4 w/ Backband Casing**

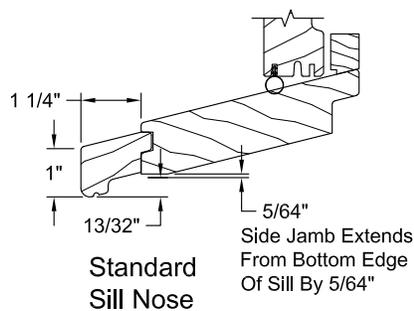


**4 1/2" Casing**



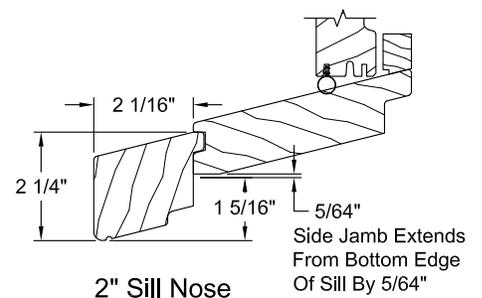
**5 1/2" Casing**

Sill Options



**Standard Sill Nose**

Side Jamb Extends From Bottom Edge Of Sill By 5/64"

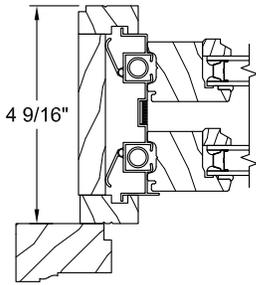


**2" Sill Nose**

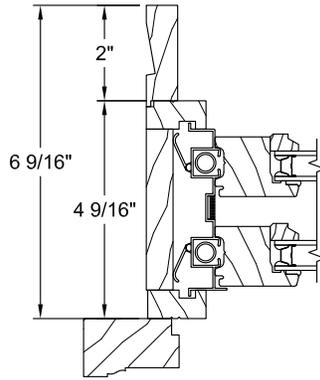
Side Jamb Extends From Bottom Edge Of Sill By 5/64"



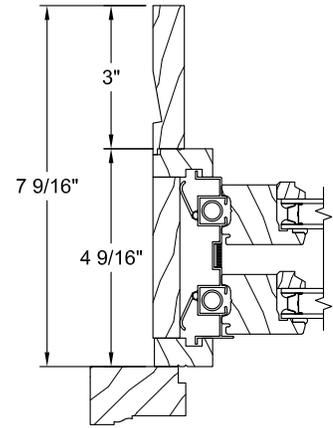
JAMB EXTENDER & PREP FOR STOOL OPTIONS



4 9/16" Jamb Width



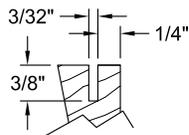
6 9/16" Jamb Width



7 9/16" Jamb Width

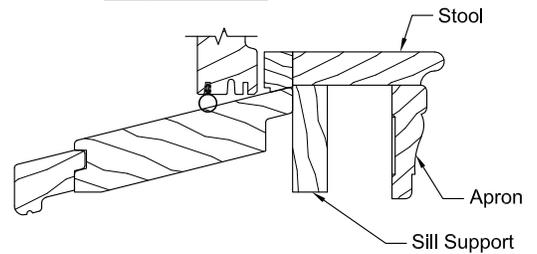
Return Kerf:

Generally located from first visible interior frame line. Kerfed option available on all jamb extender sizes.



4/4 Jamb Typ.

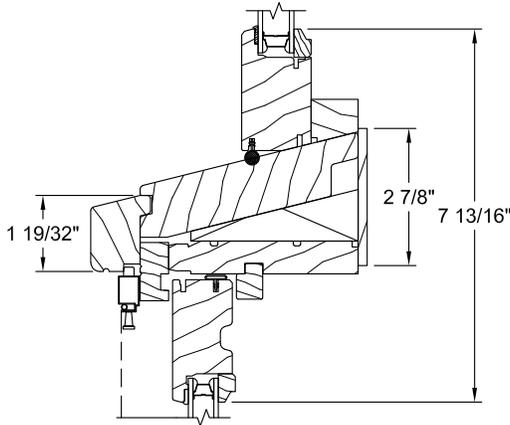
Prep for Stool



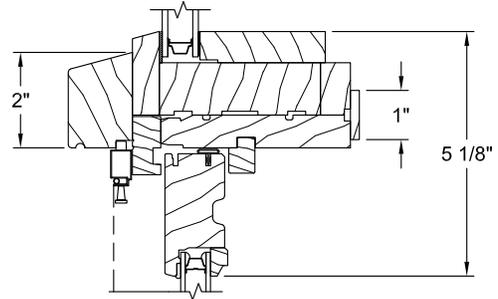
Note: Stool, apron, and sill support are applied by trim carpenter after window is installed and are not provided by JELD-WEN. Unit is shipped without sill jamb extenders.



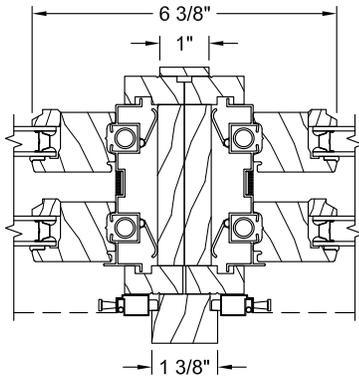
MULLION OPTIONS



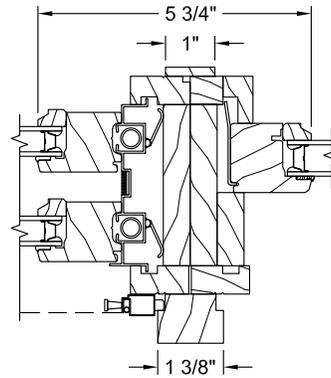
Geometric Insash Transom  
Operator



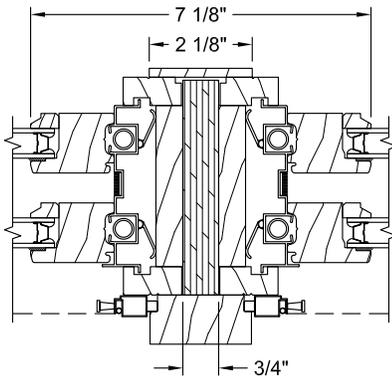
Geometric Direct Set  
Operator



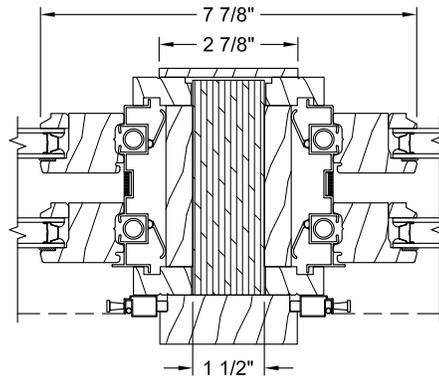
Operator / Operator



Operator / Geometric Insash



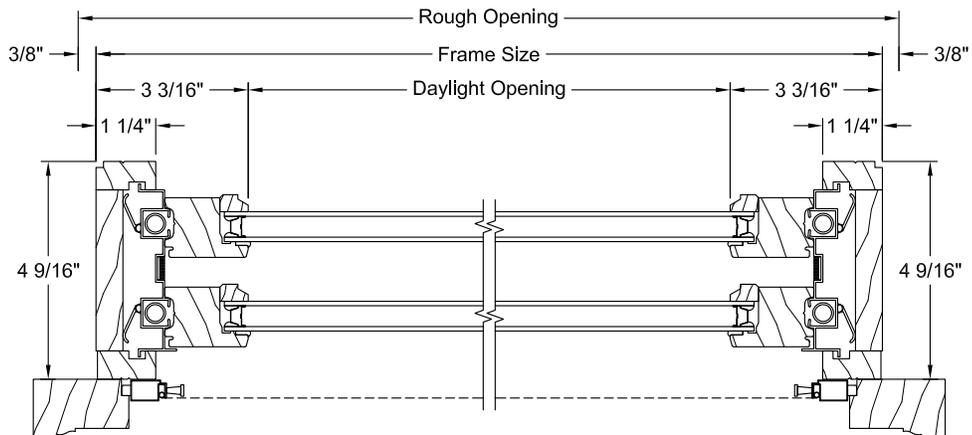
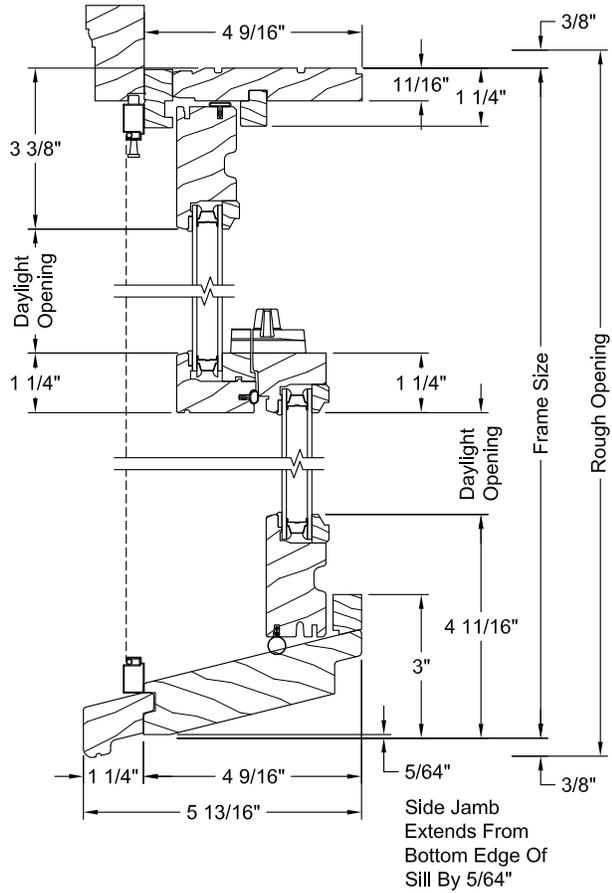
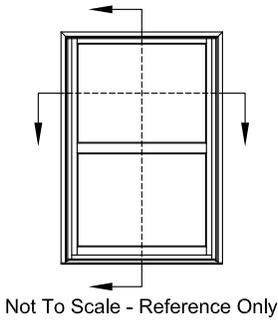
Operator / Operator  
with 3/4" Wood Spread Mull



Operator / Operator  
with 1 1/2" Wood Spread Mull

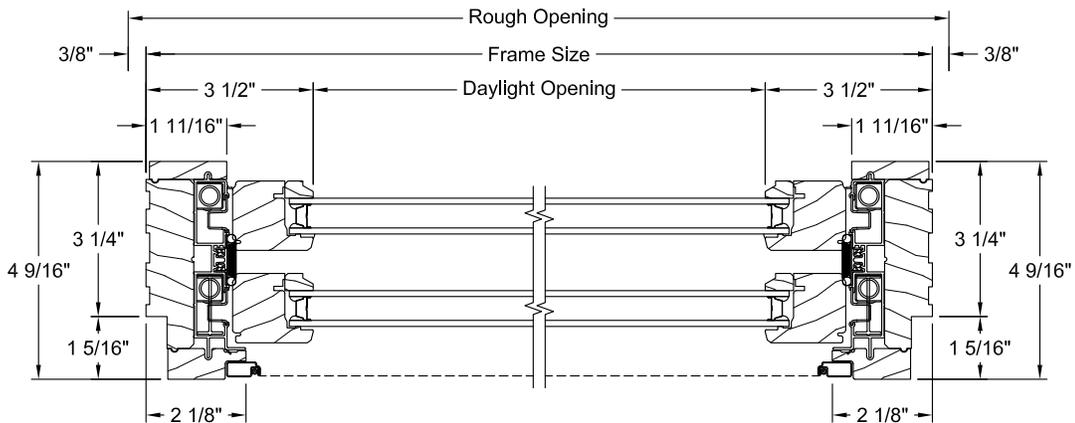
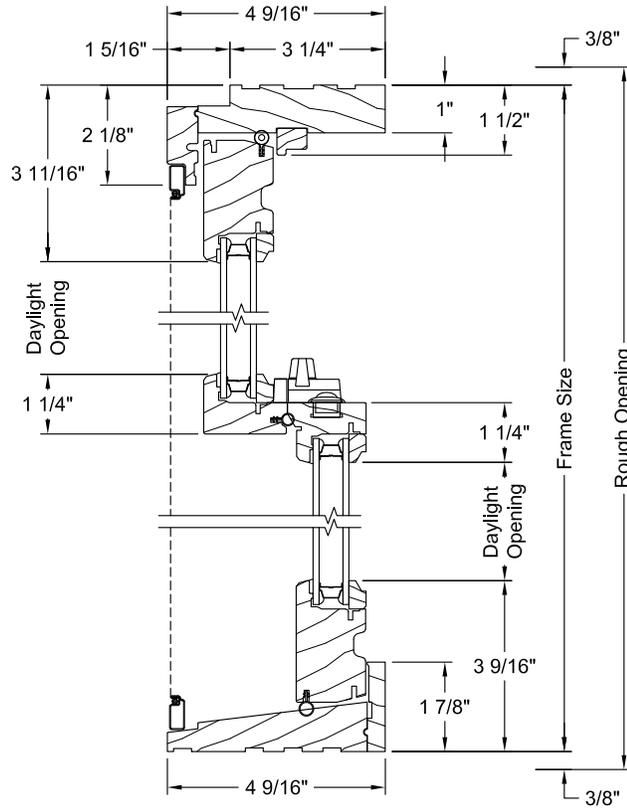
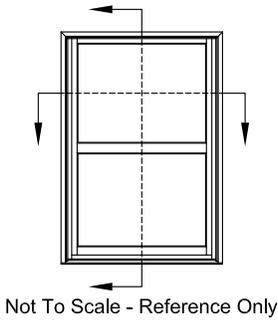


OPERATOR SECTIONS



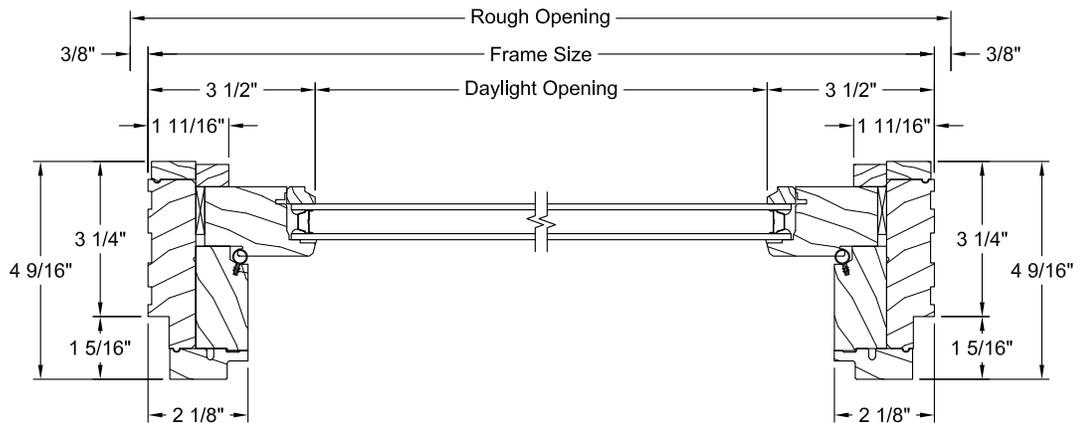
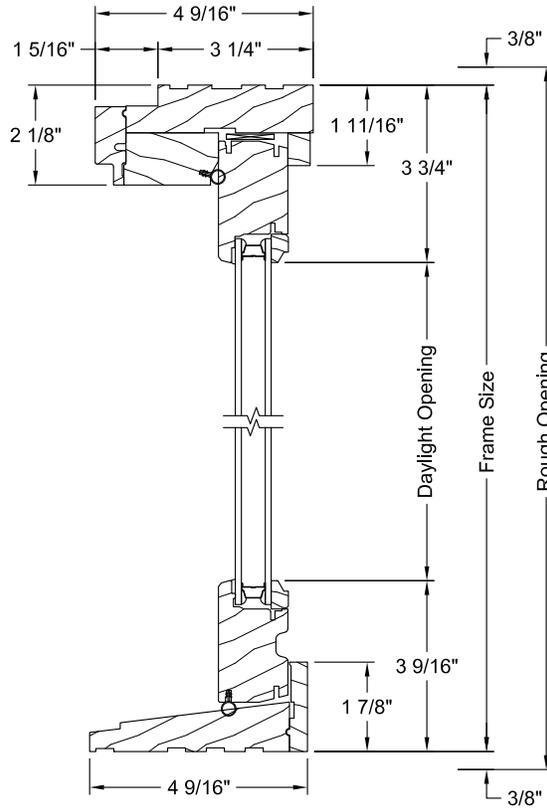
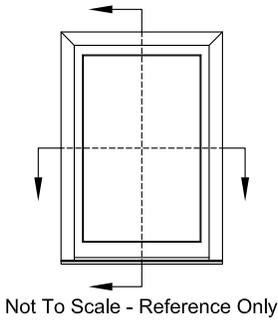


OPERATOR POCKET SECTIONS



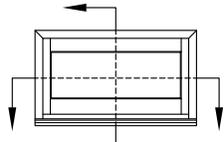


GEOMETRIC INSASH POCKET SECTIONS

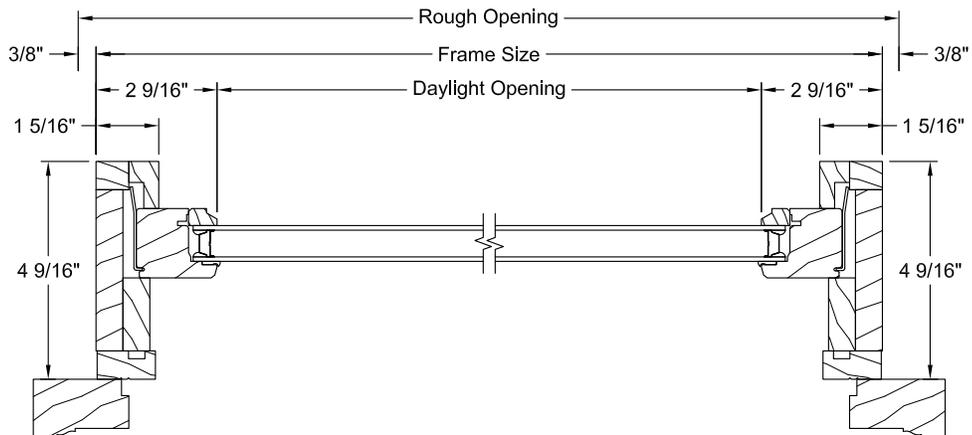
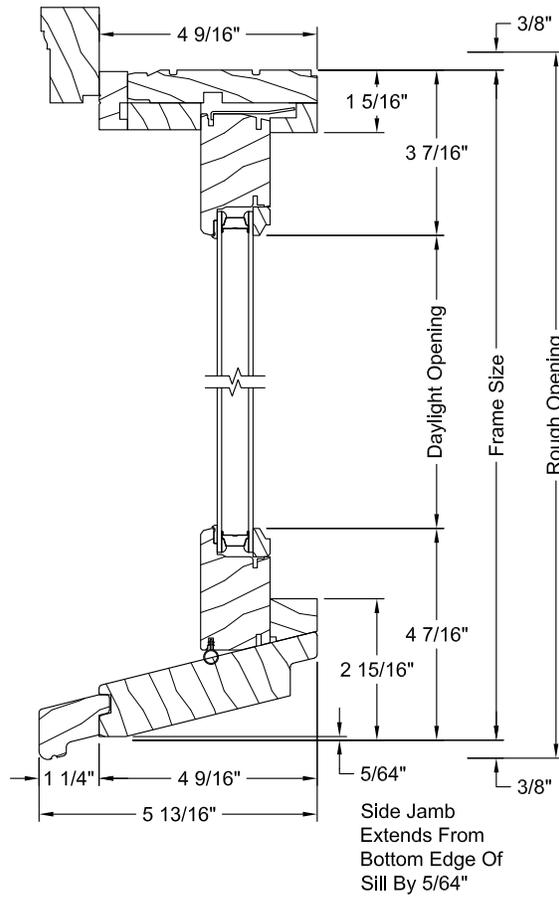




GEOMETRIC INSASH TRANSOM SECTIONS

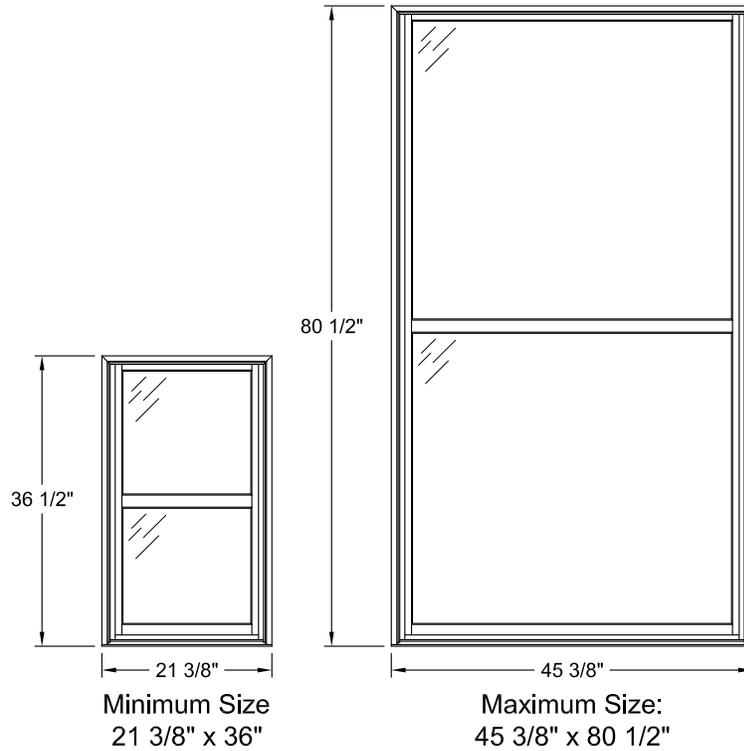


Not To Scale - Reference Only





MIN-MAX SIZING - OPERATOR

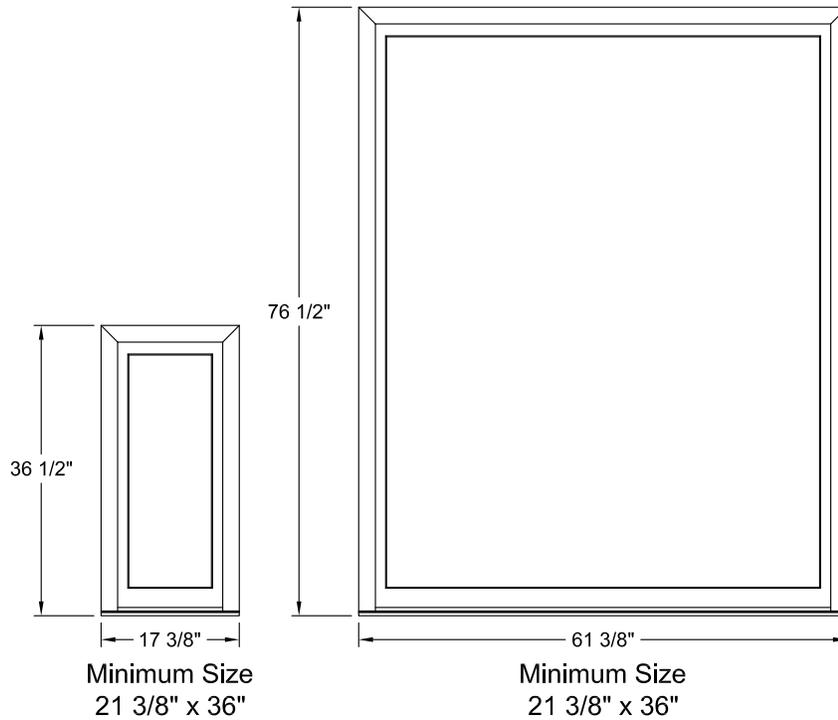


Window Width			
21 3/8"	25 3/8"	29 3/8"	31 3/8"
33 3/8"	35 3/8"	37 3/8"	41 3/8"
45 3/8"			
Window Height			
36 1/2"	40 1/2"	48 1/2"	52 1/2"
56 1/2"	60 1/2"	64 1/2"	68 1/2"
72 1/2"	76 1/2"	80 1/2"	



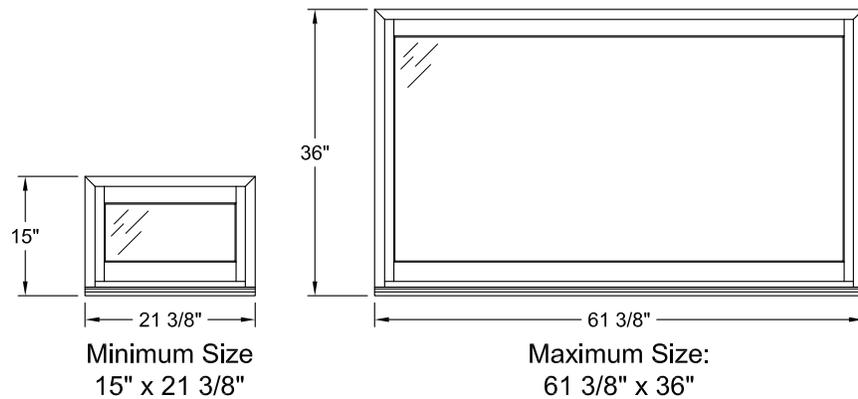
MIN-MAX SIZING - GEOMETRIC INSASH

Standard Sizing



Fixed Insash Width			
17 3/8"	21 3/8"	25 3/8"	29 3/8"
33 3/8"	37 3/8"	41 3/8"	45 3/8"
49 3/8"	53 3/8"	61 3/8"	
Fixed Insash Height			
36 1/2"	40 1/2"	48 1/2"	52 1/2"
56 1/2"	60 1/2"	64 1/2"	68 1/2"
72 1/2"	76 1/2"		

Transom Sizing



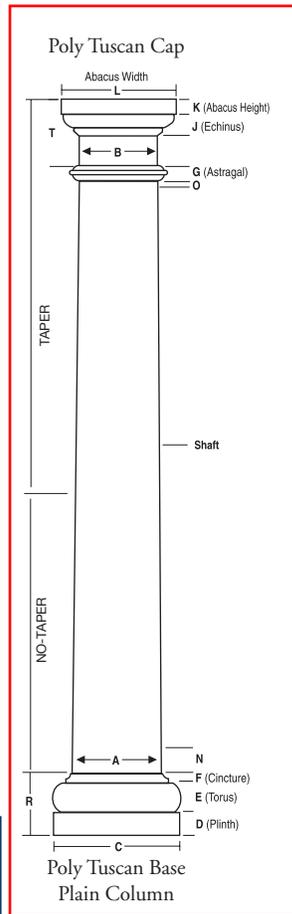
Transom Width			
21 3/8"	25 3/8"	29 3/8"	33 3/8"
37 3/8"	41 3/8"	42 3/4"	45 3/8"
49 3/8"	50 3/4"	53 3/8"	58 3/4"
61 3/8"			
Transom Height			
15"	18"	24"	36"

# Round Tapered **PERMA**Cast® Columns

selected columns in 9' height

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



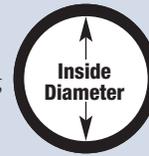
## COLUMN-LOC®

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 <sup>3</sup> / <sub>8</sub> "	4 <sup>3</sup> / <sub>8</sub> "
8"	5 <sup>1</sup> / <sub>2</sub> "	6 <sup>3</sup> / <sub>8</sub> "
10"	7 <sup>3</sup> / <sub>8</sub> "	8 <sup>3</sup> / <sub>8</sub> "
12"	8 <sup>3</sup> / <sub>8</sub> "	10 <sup>7</sup> / <sub>8</sub> "
14"	10 <sup>7</sup> / <sub>8</sub> "	12 <sup>7</sup> / <sub>8</sub> "
16"	12 <sup>7</sup> / <sub>8</sub> "	15"
18"	14 <sup>1</sup> / <sub>2</sub> "	16 <sup>3</sup> / <sub>8</sub> "
20"	16 <sup>1</sup> / <sub>16</sub> "	18 <sup>3</sup> / <sub>8</sub> "
22"	18 <sup>3</sup> / <sub>8</sub> "	20 <sup>1</sup> / <sub>16</sub> "
24"	20"	22 <sup>3</sup> / <sub>8</sub> "
28"	22 <sup>7</sup> / <sub>8</sub> "	26 <sup>3</sup> / <sub>4</sub> "
30"	25 <sup>1</sup> / <sub>4</sub> "	28 <sup>3</sup> / <sub>8</sub> "

\*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.

