

**SPECIAL**  
Agenda

**Historic Preservation Commission Meeting**  
**Municipal Building, 625 52nd Street – Room 204**  
**Wednesday, May 1, 2024**  
**5:00 pm**

Aldersperson Jan Michalski, Chairperson  
Commissioner Chris Allen, Vice-Chairperson  
Commissioner Peter Johnson

Commissioner Royanne Moon  
Commissioner Sue O'Day  
Commissioner William Siel

Call to Order  
Roll Call  
Citizens Comments

Approval of the Minutes from the meeting held February 29, 2024

1. Certificate of Appropriateness for Exterior Alteration at 6402 Third Avenue (Emory Grant House).  
(District 3) PUBLIC HEARING

Commissioner Comments

*IF YOU ARE DISABLED AND NEED ASSISTANCE, PLEASE CALL 653-4030 BY NOON  
OF THIS MEETING DATE TO MAKE ARRANGEMENTS FOR REASONABLE ON-SITE ACCOMMODATIONS.*

**HISTORIC PRESERVATION COMMISSION**  
**Minutes**  
**February 29, 2024**

**MEMBERS PRESENT:**

Alderman Jan Michalski, Chris Allen, Peter Johnson, Royanne Moon, Sue O'Day, William Siel

**MEMBERS EXCUSED:**

**STAFF PRESENT:** Mike Maki, Community Development Specialist, Rachel Gasper, Planner

The meeting was called to order at 5:00pm by Alderman Michalski. Roll call was taken and a quorum was present.

**Citizens Comments – None**

A motion was made by Mr. Siel and seconded by Mr. Allen to approve the minutes of the December 6, 2023 meeting. The motion passed. (Ayes 6, Noes 0)

**1. Election of Chairperson and Vice-Chairperson**

A motion was made by Mr. Allen, seconded by Mr. Johnson to elect Alderman Michalski as Chairperson. The motion passed. (Ayes 5, Noes 0, Abstain 1 – Alderman Michalski)

A motion was made by Mr. Siel, second by Ms. O'Day to reelect Chris Allen as Vice-Chairperson. The motion passed. (Ayes 5, Noes 0, Abstain 1 - Mr. Allen)

**2. Certificate of Appropriateness at 625 57th Street. (Kenosha National Bank)  
(District 2) PUBLIC HEARING**

Public hearing open

Karen Amelio, Mountain, Ltd., Algonquin, IL, stated that Verizon would like to install antennas at 625 57th Street to increase the overall capacity for cellular coverage in the area. She handed out updated plans and pictures to show the equipment cabinets being pushed back another 6 feet so they will be less visible than previously shown. She went over the materials that will be used in disguising the antennas.

Mr. Johnson asked when did Staff receive the new plans?

Ms. Amelio stated they received them in the last couple of weeks.

Mr. Maki stated that the new revisions on the plans were just handed out to Staff tonight as well.

Public hearing closed

Ms. Gasper went over the Staff report. Staff recommendation is to approve the Certificate of Appropriateness subject to an increased setback from the roofline.

Alderperson Michalski asked is the setback increase from what you originally negotiated or to what you have negotiated?

Ms. Gasper stated this is their first time seeing the plans with the new set back. This was for the original plans with the equipment right against the wall. She feels with the 6 foot this needs to be discussed further and make sure it is far enough back from what was originally decided.

Mr. Maki stated that the equipment platform is being pushed back 6 feet which Staff approves. Staff still has a concern with the antennas being right behind the parapet walls. Staff would be open to the option of the newly presented 3M Film material. He asked Ms. Amelio if there are any real life examples of the 3M product on taller buildings being used to physically take a look at?

Ms. Amelio stated she does not have anything with her at the moment. She went over the space limitations, if pushed pack more the need to increase the height of the antennas and materials to be used to disguise them.

Mr. Maki stated to the Commission that Staff would be open to this but would like to see actual evidence what the antennas would look like with the 3M materials used. Staff is requesting photos from the applicant on an existing site where these materials are currently being used.

Ms. Amelio asked that the photos she provided are not sufficient?

Mr. Maki stated the photos are just mock ups.

Ms. Amelio stated that the photos are not mock ups and are actual photos of real installations.

Mr. Maki stated the photos are zoomed in to the top of the roof. He is looking for photos at street level looking at the building with the antennas on top. He asked if she could provide these photos from 3M?

Ms. Amelio stated she feels if you are looking further away it would be less obvious then a close up. She will go back and do more research to see what she can find.

Mr. Maki stated that it seems like a fantastic product but hearing about it to actually seeing it in full view from street level he cannot say Staff would be okay with this. He recommends to the commission that this can be approved subject to additional information being provided to Staff for further review. Staff could then authorize that.

Mr. Allen stated he would also be interested in the life span of the product. What would it look like in 20 years?

Ms. Amelio replied that it maintains its integrity.

Mr. Allen asked if there was a statement that 3M could provide with that information or photos from installation to a 15 year span?

Ms. Amelio stated she will get that information from 3M.

Alderperson Michalski asked if the coating is paint or tape?

Ms. Amelio replied that it is a film.

Alderperson Michalski asked if it was brushed on or applied?

Ms. Amelio stated it is applied like contact paper and went over the installation.

Alderperson Michalski went over a previous antenna that was on the building.

Mr. Siel asked how long has the product been on the market?

Ms. Amelio stated that 3M has been making this product since the early 1990's.

Mr. Siel stated that there must be some live examples between Milwaukee and Chicago for you to provide to Staff. He feels this is a reasonable request for the fact everyone is seeing this for the first time tonight.

Ms. Amelio stated she understood.

Mr. Siel asked with the closer placement to the parapet facade how much shorter would these appliances need to be?

Ms. Amelio stated it is a 1 to 3 ratio and gave an explanation.

Alderperson Michalski asked the applicant if she was okay with the 6 foot setback?

Ms. Amelio asked with the equipment platform?

Alderperson Michalski replied yes.

Ms. Amelio replied yes they are totally fine with moving the whole equipment base platform backwards. She went over other equipment surrounding the area.

Ms. Moon asked if the existing antennas on the existing penthouse will stay?

Ms. Amelio replied yes, those are by a different carrier.

Mr. Siel asked Staff now that there is a shorter implement does that hide it more than extending the height of it now that we are thinking about hiding it with the film?

Mr. Maki clarified that the antenna panels are still going to be behind the parapet wall. What is being shifted 6 feet is the equipment cabinet platform further on the building roof.

Ms. Amelio stated that if we move the antennas further back there will have to be more input onto the existing roof structure and went over the process.

Mr. Siel asked does the building owner have a preference on how this plays out?

Ms. Amelio replied no, as long as it is structurally stable they are not concerned.

Alderperson Michalski recommends moving forward with the Certificate of Appropriateness pending Staff receiving examples. He asked the antennas are being mounted to the roof itself and the electrical equipment is separate and setback from the antennas?



Ms. Amelio replied the antennas will not be mounted to the box and went over where they will be installed and how.

Mr. Johnson stated he would like to make sure the actual applications received are from Wisconsin and they have been up for quite a few years and obtain the weather conditions.

Motion was made by Mr. Siel, seconded by Ms. O'Day to approve the Certificate of Appropriateness subject to Staff approval once new photos are received and reviewed per staff recommendation. The motion passed. (Ayes 6, Noes 0)

Mr. Maki stated this will also require a review of a Conditional Use Permit with the City Plan Commission.

Alderson Michalski explained the next steps to the applicant.

Ms. Amelio confirmed she understood.

**Commissioner's Comments -**

Mr. Johnson spoke.

A motion was made by Mr. Siel and seconded by Mr. Allen to adjourn. The motion passed. (Ayes 6, Noes 0)

The meeting adjourned at 5:31pm.

*Certification that the minutes have been approved by the Historic Preservation Commission.*

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*Rich Schroeder, Deputy Director of City Development*

*Meeting Minutes Prepared by: Laurie Bauman, City Development*



**Certificate of Appropriateness for Exterior Alteration at 6402 Third Avenue (Emory Grant House).  
(District 3) PUBLIC HEARING**

**NOTIFICATIONS AND APPROVAL REQUIREMENTS:**

Alderperson Michalski, District 3, has been notified.

**LOCATION AND ANALYSIS:**

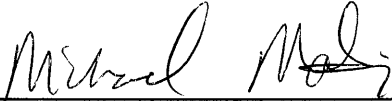
**Site:** 6402 Third Avenue                      **Historic District:** Third Avenue Historic District


1. Section 15.10 of the Zoning Ordinance requires a Certificate of Appropriateness for any exterior alteration, rehabilitation, reconstruction, or restoration of a Historic Structure that is not classified as an exempt item. The Emory Grant House, located at 6402 Third Avenue, is listed as a contributing structure on the State of Wisconsin and National Register of Historic Places and is listed as a local historic structure.
2. The Emory Grant House, built in 1920-21, is a two and one-half story home with details that suggest the Colonial Revival architectural style. The home was originally designed in 1988 and was listed on the National Register of Historic Places as a contributing structure to the Third Avenue Historic District in 1988. A copy of the applicable standards for local designation is attached.
3. The Historic Preservation Commission previously approved a Certificate of Appropriateness application for a floating deck located on the rear elevation in 2021.
4. The current application includes:
  - a) Removal of double set of windows in bay at southeast corner of house;
  - b) Installation of double set of wood entry doors at location of windows to be removed; and,
  - c) Construction of new covered porch on east elevation of house.
    - Posts to be load bearing fiberglass, painted white to match house;
    - Porch roof will be framed in lumber and painted white to match house;
    - Shingles will be black to match house roof shingles;
    - Porch ceiling will be beadboard painted light blue or clear natural stain; and
    - Porch floor will be concrete with exterior edge as band of cream city brick.
5. The Secretary of the Interior's Standards and Guidelines for Alteration have been reviewed against the proposed renovations/ alterations.
  - a) Cutting new entrances on a primary elevation is not recommended;
  - b) Introducing a new entrance or porch that is incompatible in size, scale, material and color is not recommended.
  - c) Designing and constructing a new entrance or porch that is compatible with the historical character of the building is recommended.
6. The project was reviewed for conformance with the recommendations and objectives in the Third Avenue Historic District Plan. The plan states the following:
  - a) The design of additions and exterior alterations should be compatible with the existing structure in scale, architectural design, texture and the proportion of solids to voids.
  - b) Materials and architectural details used in such exterior alterations should reasonably match those on the existing structure.

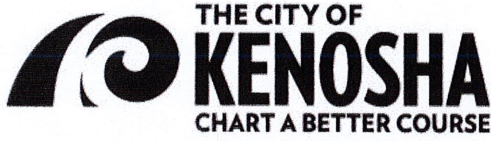
- c) The materials and architectural details of the structure should be compatible with those used in the original construction of similar structures.
7. The project was reviewed for conformance with the Standards 10 and 11 for Granting of a Certificate of Appropriateness, Section 15.10 D.
- a) New additions, exterior alterations or related new construction do not destroy historic materials that characterize the historic district, structure or site. The new work is differentiated from the old and compatible with the existing size , scale and architectural features to protect the historic integrity of the historic district, structure, site and its environment.
  - b) New additions and adjacent related new construction are undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic structure or site and its environment would be unimpaired.
8. Staff provides the following comments after review of the Secretary of Interior's Standards and Guidelines for Rehabilitation and Section 15.10 D. of the Zoning Ordinance noted above.
- a) Colonial Revival architecture typically features symmetry emphasizing centered primary entrances at the front of the house and similar style windows placed above and below each other.
  - b) The Emory Grant house is atypical since the primary entrance is located on the north side of the home, there is a bay with two windows on the southeast corner of the home with one window directly above and there is another bay with three windows on the south elevation with one window centered above.
  - c) The proposed double door entry, while not normally recommended, preserves the width of the existing bay with two window openings.
  - d) The proposed covered porch is compatible with the materials and scale of the existing home.

**RECOMMENDATION:**

A recommendation is made to approve the Certificate of Appropriateness for exterior Alteration of the Emory Grant House per Section 15.10 D. of the Zoning Ordinance for the City of Kenosha, the Third Avenue Historic District Preservation Plan and general compliance with the Secretary of the Interior's Standards and Guidelines for Alteration.

  
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Michael Maki, AICP, Sr. Community Dev. Specialist

  
\_\_\_\_\_  
Rich Schroeder, Deputy Director



**APPLICATION FOR CERTIFICATE OF APPROPRIATENESS**  
**Form #CD316 (rev. 1/20)**

*Kenosha Historic Preservation Commission*  
**Certificate Of Appropriateness Application**

**MAILING INFORMATION**

Name and Address of Owner/Applicant [Please print]:  
Nicholas Placek Phone: 646-634-4917  
6402 3rd Ave. Fax: \_\_\_\_\_  
Kenosha, WI 53143 E-Mail: nplacek25@gmail.com

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Name and Address of Architect/Designer/Builder [Please print]:  
 \_\_\_\_\_ Phone: \_\_\_\_\_  
 \_\_\_\_\_ Fax: \_\_\_\_\_  
 \_\_\_\_\_ E-Mail: \_\_\_\_\_

**PROJECT INFORMATION**

Property Address: 6402 3rd Ave.

Date of Application: \_\_\_\_\_

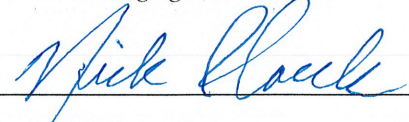
Project Description: Front porch addition including new front door to the home.

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PROJECT TYPE:	REQUIRED DOCUMENTATION:
➤ New Construction, Additions, Demolitions and Public Improvements	<input type="checkbox"/> Site Plan (1 Set 24" x 32" and 12 sets maximum size 11" x 17")
➤ New Construction, Additions, Demolitions, Exterior Alterations, Rehabilitation, Reconstruction and Restorations	<input checked="" type="checkbox"/> Building Elevations (Existing and Proposed) (1 Set 24" x 32" and 12 sets maximum size 11" x 17")
➤ All Projects	<input checked="" type="checkbox"/> Photographs (Digital preferred)
➤ In the instance of introducing materials which do not duplicate the original	<input type="checkbox"/> Material Samples
➤ In the instance of introducing new architectural details or architectural details which do not duplicate the original	<input checked="" type="checkbox"/> Pictures or Drawings

Your Application will be forwarded to the Department of Inspections for review and input. *Required documentation must be submitted to City Development a minimum of two weeks prior to the meeting date to allow for the application to be placed on the Historic Preservation Commission meeting agenda.*

Applicant's Signature:  Date: 03/09/2024

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# ZONING ORDINANCE FOR THE CITY OF KENOSHA, WISCONSIN

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3. Demolition of all or part of a Historic Structure.

4. Exterior alteration, rehabilitation, reconstruction or restoration of a Historic Structure which is not classified in this Ordinance as exempt work.

5. Construction of public improvements upon public property by any unit of government which changes the character of a street, sidewalk, right-of-way, utility installation, light, wall or fence in a Historic District.

6. Cleaning the exterior surfaces of Historic Structures, by chemical or physical means, which may cause physical damage to structure.

**B. Issuance.** Certificates of Appropriateness for any work may be issued or denied by the Commission for any proposed work in accordance with the standards of this Ordinance. An application for a Certificate of Appropriateness shall be fully completed upon designated forms and filed in the Department of Neighborhood Services and Inspections. Said Department shall send a copy of the application to the Department of City Development. The Commission may delegate the issuance of Certificates of Appropriateness to the Chief of Inspection for certain classes of work, subject to the standards of this Ordinance, or it may contract with architects or consultants who have expertise in historic preservation to issue said Certificates.

**D. Standards for Granting Certificate of Appropriateness.** A Certificate of Appropriateness may be granted when:

1. The Historic District, structure or site is used for its historic purpose, and, if a new use, will require minimal change to its historic characteristics.

2. The historic character of the district, structure or site is retained and preserved.

3. The materials, features and spaces that characterize a district, structure or site as historic are retained and preserved.

4. There are no changes in a Historic District, structure or site that create a false sense of historical development, such as adding conjectural features or architectural elements from other structures.

5. Prior alterations that have acquired historic significance in their own right are retained and preserved.

6. Distinctive features, finishes and construction techniques or examples of craftsmanship that characterize the Historic District, structure or site are retained and preserved.

7. Deteriorated historic features are retained rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design,

color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical or pictorial evidence.

8. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used.

9. Significant archeological resources affected by work shall be retained and preserved. If such resources are disturbed, mitigation measures shall be undertaken.

10. New additions, exterior alterations, or related new construction do not destroy historic materials that characterize the Historic District, structure or site. The new work is differentiated from the old and compatible with the existing size, scale and architectural features to protect the historic integrity of the Historic District, structure or site and its environment.

11. New additions and adjacent related new construction are undertaken in such a manner that, if removed in the future, the essential form and integrity of the Historic Structure or site and its environment would be unimpaired.

12. Alteration of a Historic Structure will provide access to the handicapped.

**E. Standards for Denial of Certificate of Appropriateness.** A Certificate of Appropriateness may be denied when:

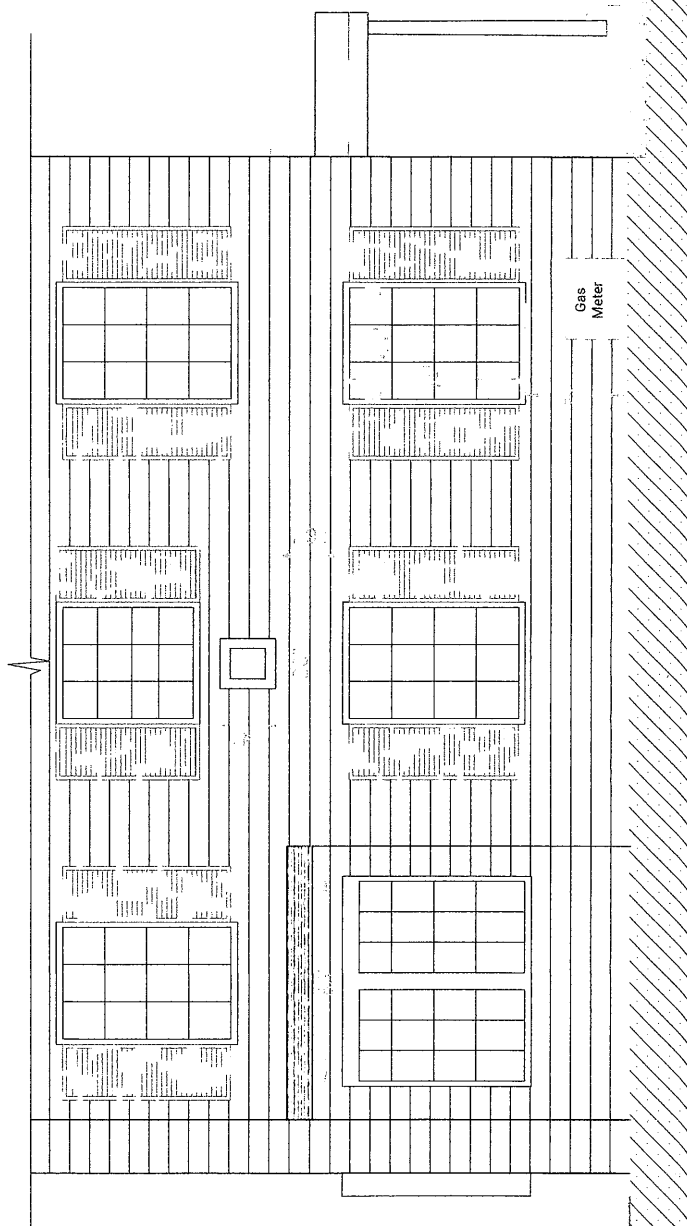
1. In the case of a designated Historic Structure or Historic Site, the proposed work would detrimentally change, destroy or adversely affect any exterior architectural feature of the improvement or site upon which said work is to be done.

2. In the case of the construction of a new improvement upon a Historic Site, or within a Historic District, the exterior of such improvement would adversely affect or not harmonize with the external appearance of other neighboring improvements on such site or within the district.

3. In the case of any property located in a Historic District, the proposed construction, reconstruction, exterior alteration or demolition does not conform to the purpose and intent of this Section and to the objectives and design criteria of the Historic Preservation Plan for said district.

**F. Filing of Applications and Written Determinations.** The Commission shall issue written Certificates of Appropriateness or letters of denial within six (6) months of receipt of the application by the Commission, which shall be served upon the applicant by regular mail or personal service. Applications shall be deemed received by the

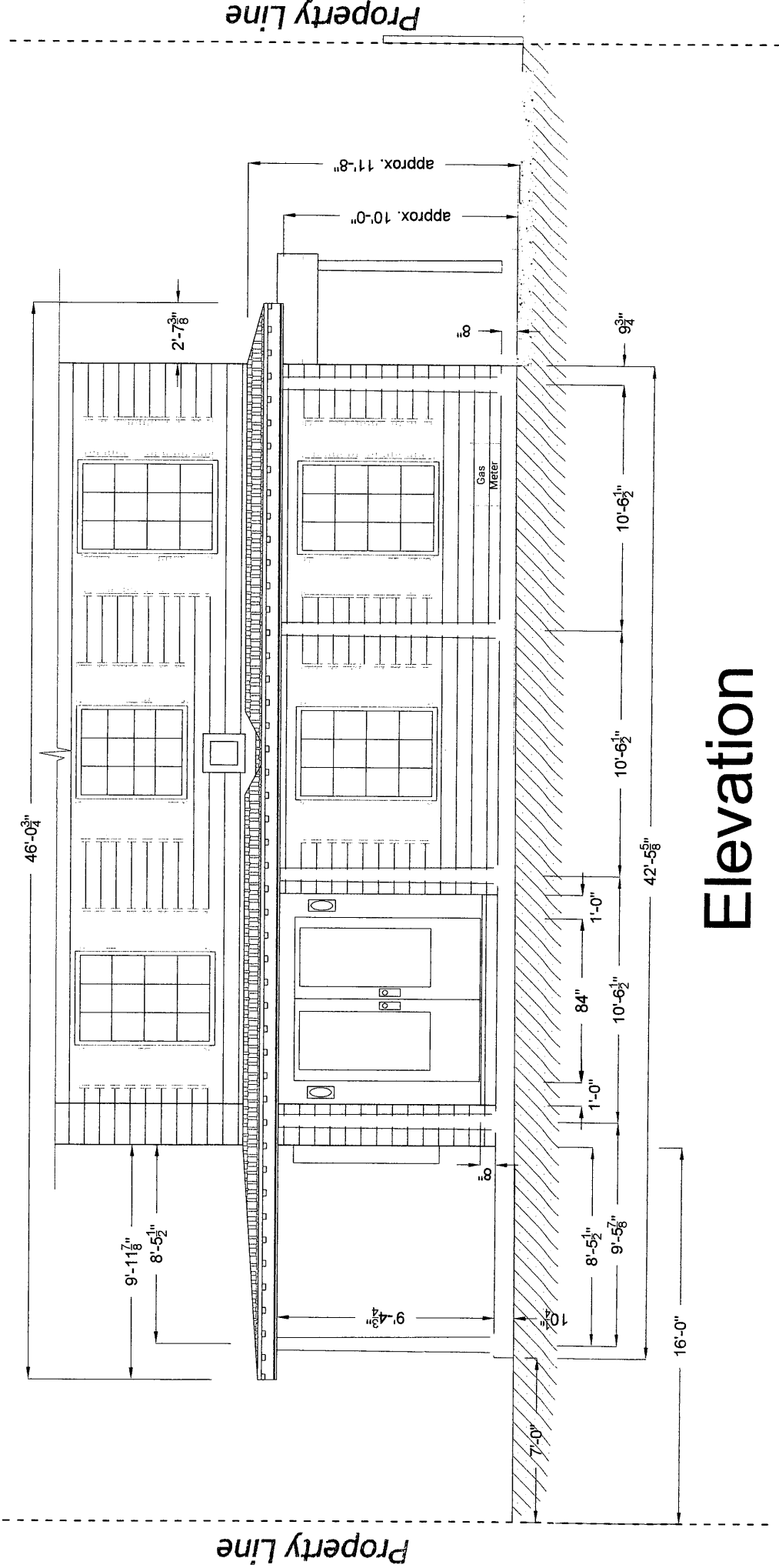




Property Line

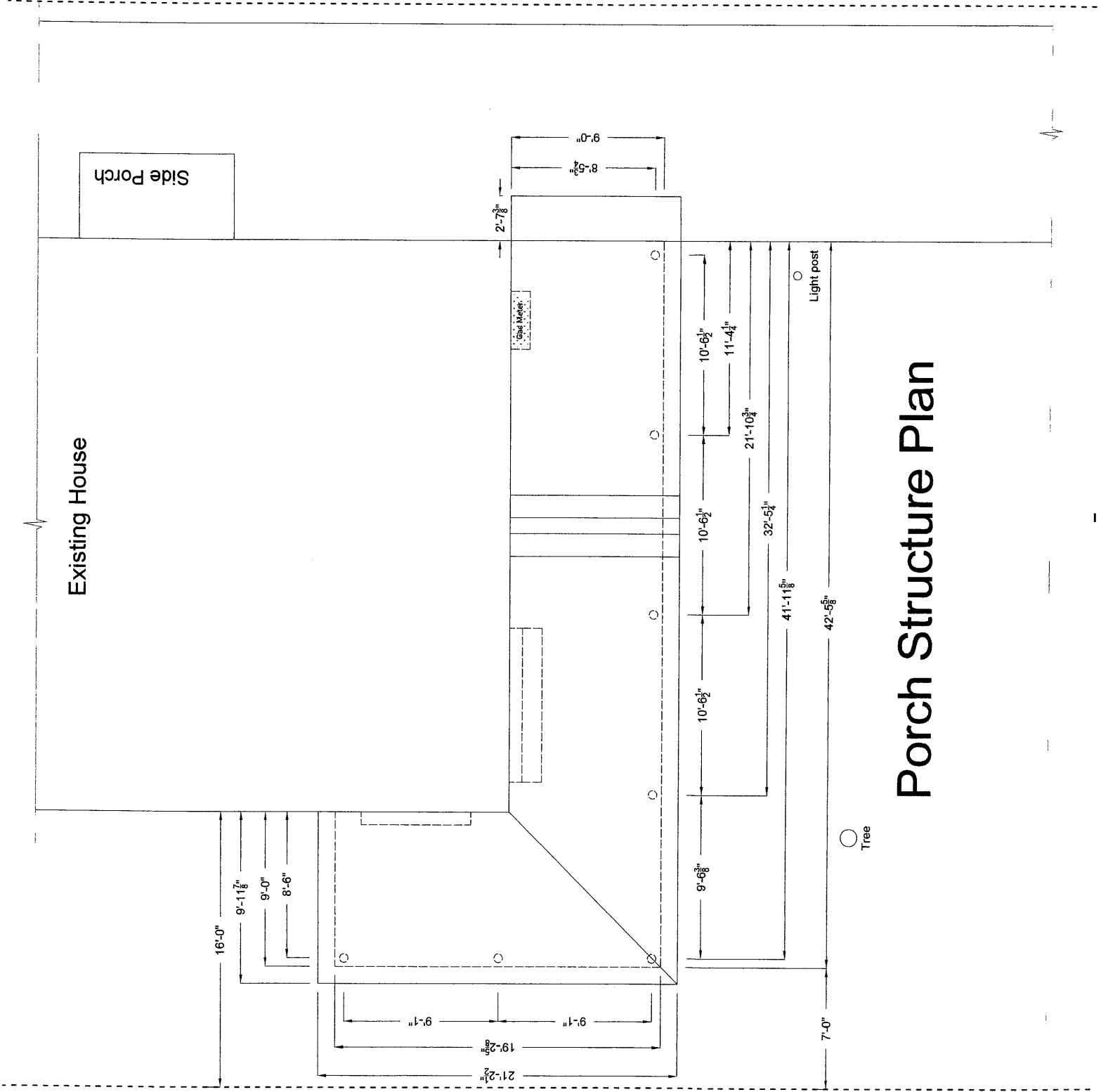
Property Line

# Existing Elevation



# Elevation





# Porch Structure Plan



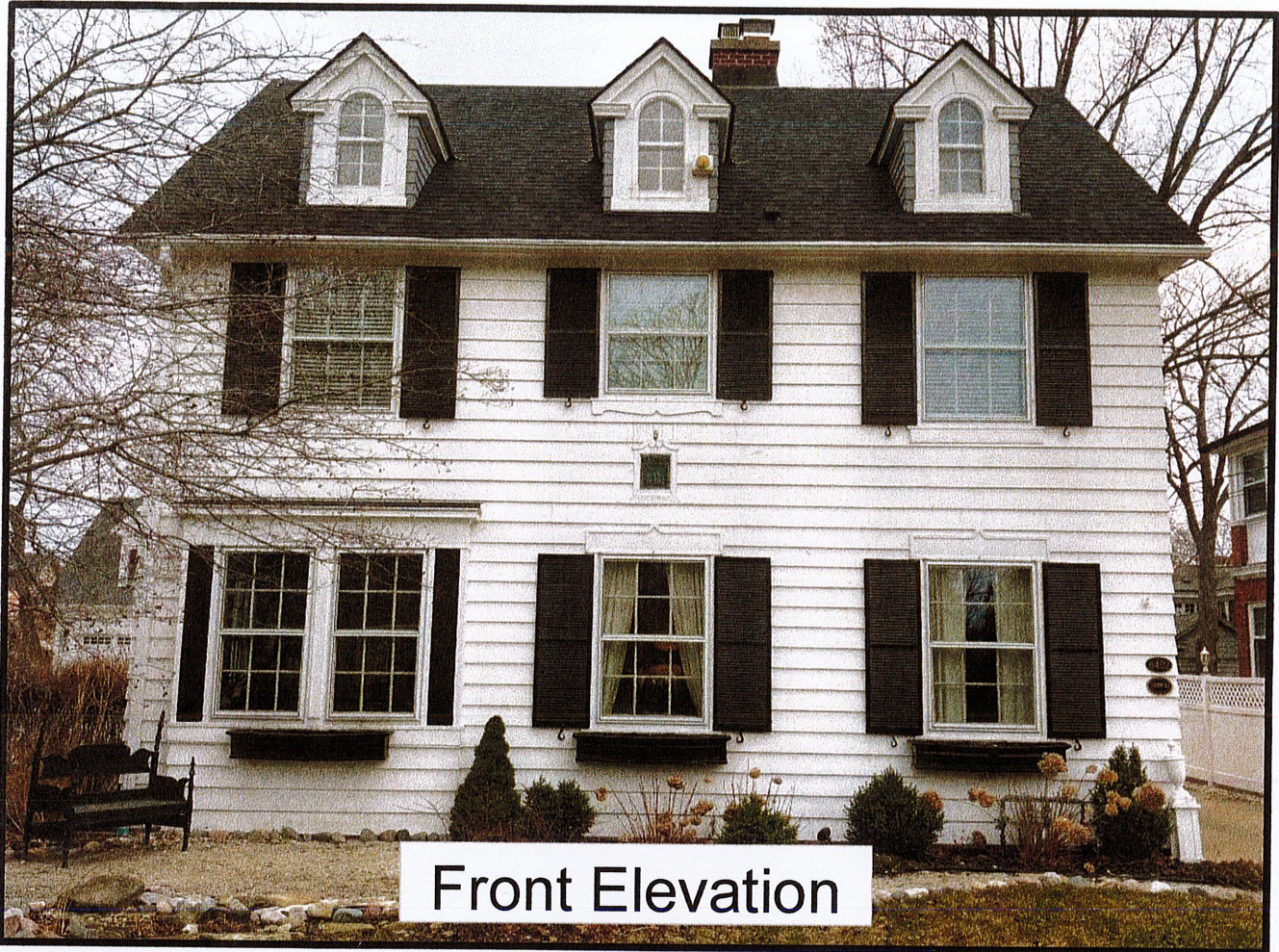


Front Elevation



Front Elevation



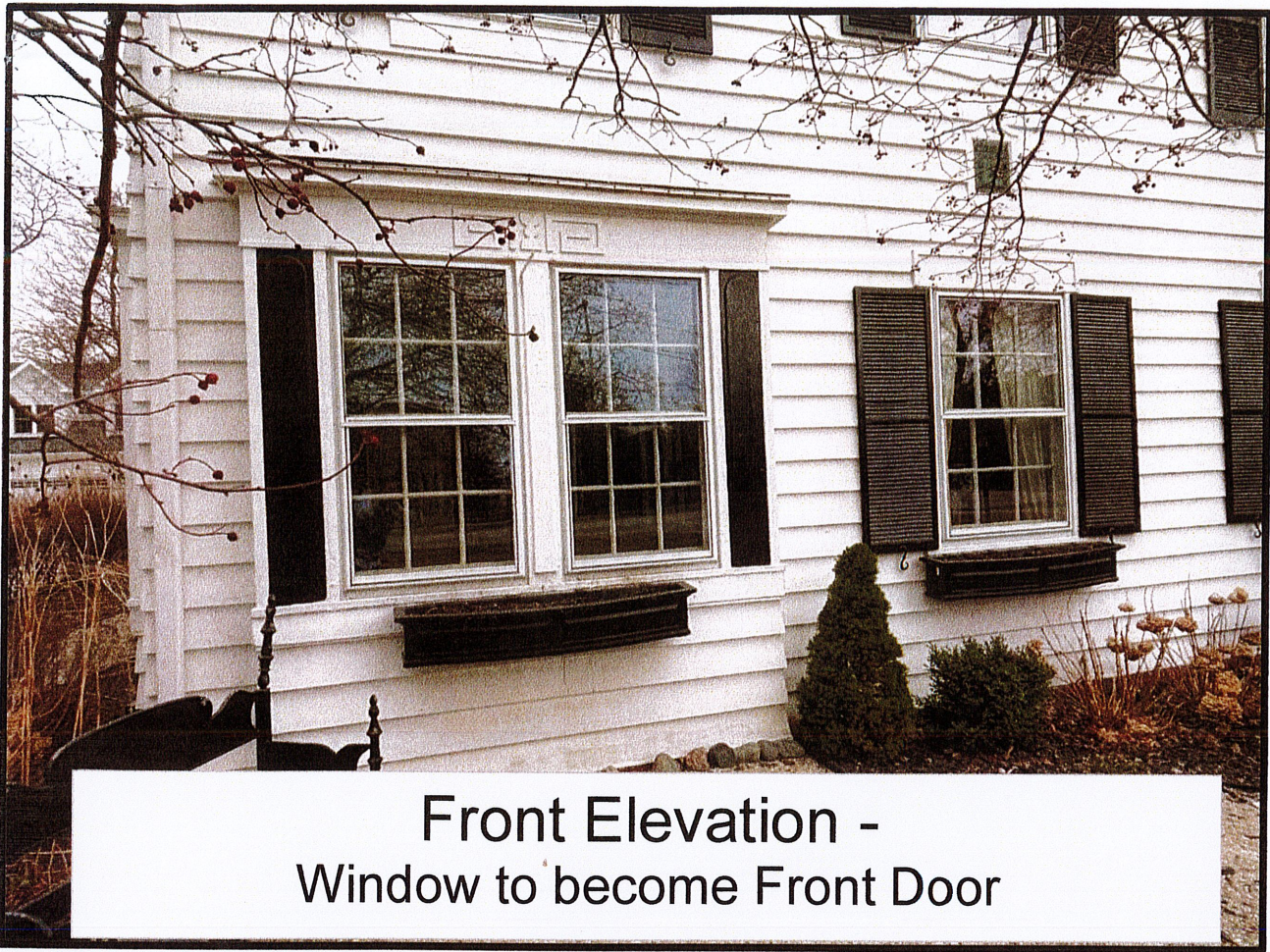


Front Elevation



Front Elevation





Front Elevation -  
Window to become Front Door



South-East Facade - Perspective





Front Elevation - Window Detail  
(bump-out)





South-East Facade - Perspective





Main Door



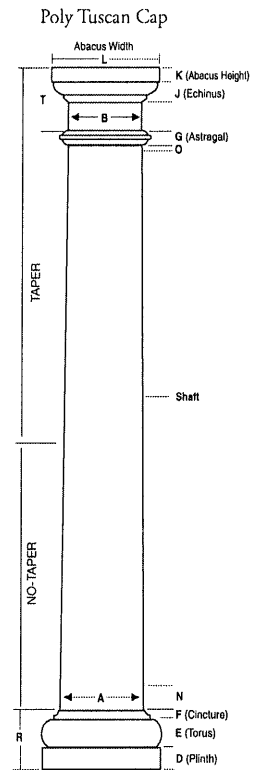
North Elevation



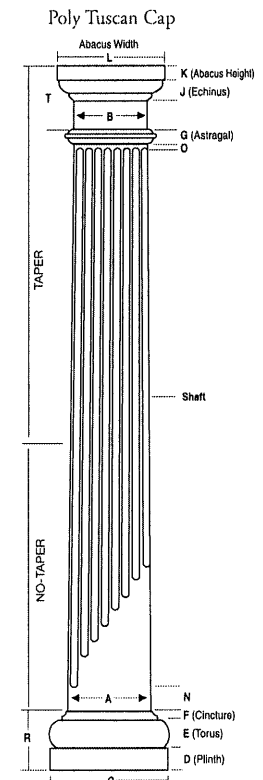
# Round Tapered **PERMA**Cast® Columns

COL. SIZE	A	B	C	D	E	F	G	J	K	L	O	N	R	T	LENGTHS AVAIL (ft.)
6"	5 1/4"	4 3/4"	9"	1 1/16"	1 1/4"	3/8"	3/4"	1 1/4"	1 3/8"	8"	1"	6 1/4"	3 3/8"	4 1/16"	4,6,8
8"	7 1/4"	6 1/4"	10 1/2"	1 1/8"	1 1/2"	3/4"	1 1/8"	1 1/4"	1 1/2"	9 1/4"	1/2"	2 1/4"	4 1/4"	4 1/2"	5,6,8,10,12
10"	9 1/4"	8 1/4"	13 1/4"	2 1/8"	2 1/4"	3/4"	1 1/8"	1 1/4"	1 1/2"	11 1/4"	3/4"	2 1/4"	5 1/4"	5"	6,8,10,12,14,16,18
12"	11 1/4"	9 1/4"	16 1/4"	2 3/8"	2 3/4"	7/8"	1 3/8"	1 3/4"	2 1/4"	13 3/4"	3/4"	2 3/8"	6 1/4"	5 3/4"	6,8,10,12,14,16,18
14"	13 1/4"	11 1/4"	19 1/4"	3 1/8"	3 3/8"	1 1/8"	1"	2"	2 1/4"	17"	7/8"	2 3/8"	7 1/4"	7"	8,10,12,14,16,18,20
16"	15 1/4"	13 1/4"	22"	3 3/8"	3 3/4"	1 1/8"	1 1/8"	2 1/4"	2 3/4"	19 3/4"	1"	3"	8 3/4"	8"	8,10,12,14,16,18,20,22,24,26
18"	17 1/4"	15 1/4"	24 3/4"	4"	4"	1 1/8"	1 1/8"	2 3/4"	3 1/4"	22 3/4"	1 1/2"	10 1/4"	9 3/4"	8 3/4"	8,10,12,14,16,18,20,22,24
20"	19 1/4"	17 1/4"	27"	4 1/4"	4 1/2"	2"	1 1/8"	2 3/4"	3 3/4"	24 3/4"	1 1/2"	10 1/4"	11 1/4"	9"	10,12,14,16,18,20,22,24
22"	21 1/4"	19 1/4"	30 1/4"	5"	5"	2"	1 1/8"	3"	3 3/4"	27 1/2"	1 1/2"	10 1/4"	12"	10 1/4"	16,18,20,22,24,26
24"	23 1/4"	21 1/4"	33 1/4"	6"	5 3/4"	2 1/4"	2"	3 1/2"	4"	30 3/4"	1 1/2"	10 1/4"	13 1/4"	11 1/4"	12,14,16,18,20,22,24,26,28,30
28"	28"	24 1/4"	38"	6 3/4"	6 1/2"	2 3/4"	2 1/4"	3 3/4"	4 1/4"	33 3/4"	1 1/2"	10 1/4"	15 1/4"	11 1/4"	20,22,24,26,28
30"	29 1/4"	26 1/4"	41 1/4"	6 1/2"	5 3/4"	2 1/2"	3"	4"	4 3/4"	38 1/4"	1 1/2"	10 1/4"	14 1/4"	14 1/4"	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 16 for Parallel dimensions. See page 18 for Decorative Capital dimensions. □ Standard Fluted Column (Fluted in mold)  
 • Split columns are not load bearing.



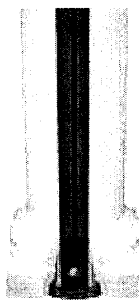
Poly Tuscan Base Plain Column



Poly Tuscan Base Fluted Column

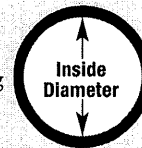
## COLUMN-LOC®

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

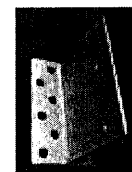
\*Plain columns only

## 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.

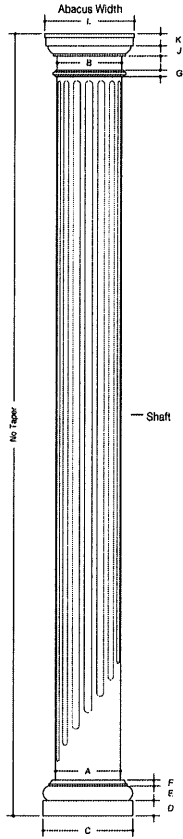
## ROUND PERMACAST® PORCH INSTALLATION BRACKET

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.

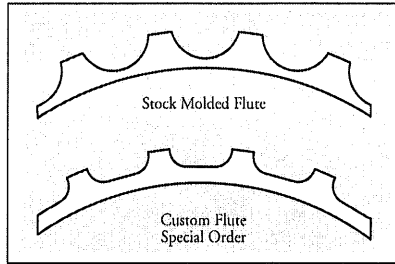




# Fluted Round Tapered **PERMA**Cast® Columns



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

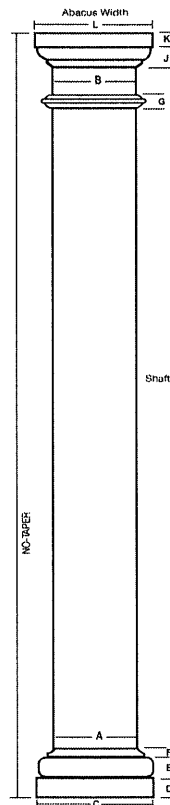
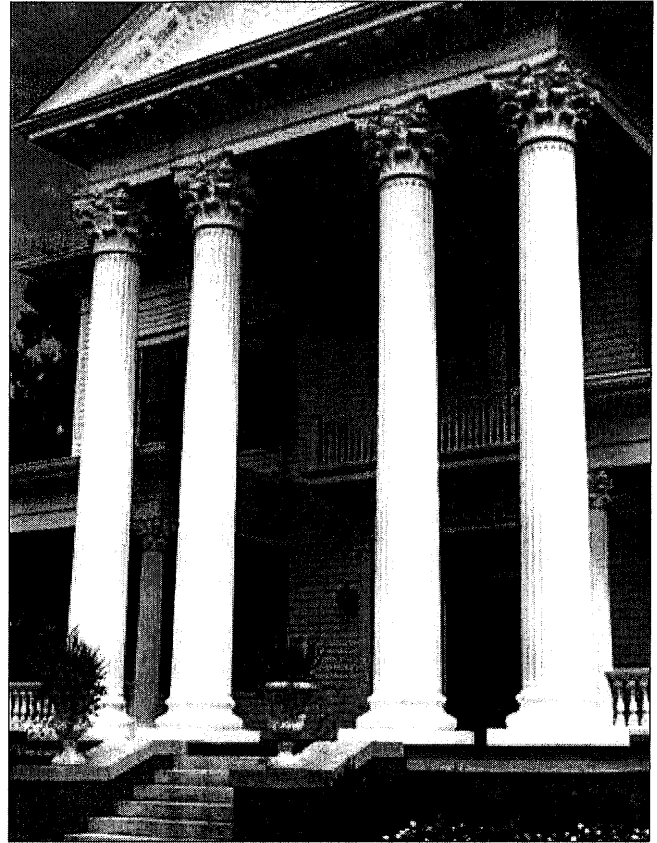


## HB&G OFFERS TWO DISTINCTIVE TYPES OF FLUTES.

**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)

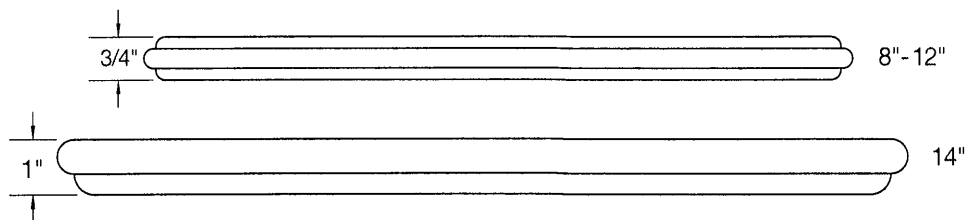
Col. Size	A	B	C	D	E	F	G	J	K	L	Lengths Available (ft)
8"	7-5/8"	7-5/8"	10-1/2"	1-7/8"	1-3/4"	3/4"	3/4"	1-1/4"	1-1/2"	10-5/8"	6, 8, 9, 10
10"	9-5/8"	9-5/8"	13-1/8"	2-3/8"	2-1/8"	3/4"	3/4"	1-1/4"	2"	12-13/16"	6, 8, 9, 10, 12
12"	11-5/8"	11-5/8"	16-1/2"	2-3/4"	2-3/8"	7/8"	3/4"	1-3/4"	2"	15-7/8"	6, 8, 9,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

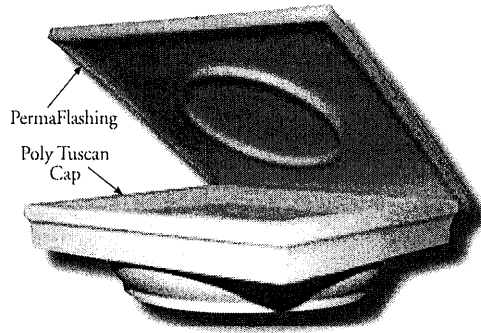
Flashing and Installation Kit not available with No-Taper Tuscan cap and base sets.

• 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.

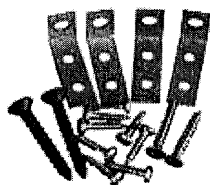
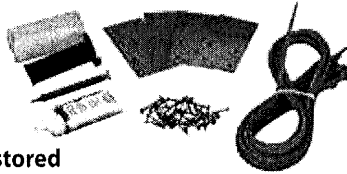
\*Not available in Tuscan cap and base sets for Craftsman, No-taper, PermaLite®, and Wood columns.

### Split Column Assembly and Flange Kits

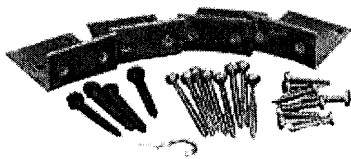
HB&G offers a split kit and a split kit with flange option with an improved MMA adhesive.

These kits can be purchased separately. **MMA**

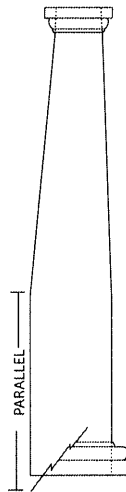
**adhesive must be stored in a climate-controlled environment.**



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	59"	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> "

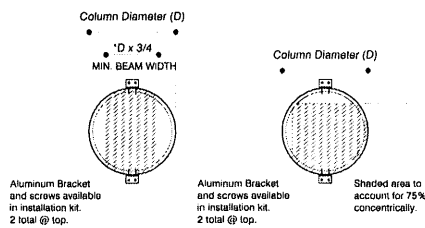
\*For Tapered Round Columns

# Building Code Compliance

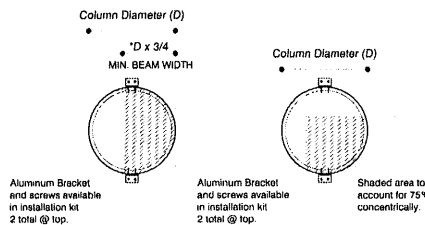
HB&G has updated our product testing to comply with changes to the Building Codes (IBC/IRC) and to the Acceptance Criteria for Fiberglass Columns. The 2 major changes that impacted PermaCast® and PermaLite® were:

- 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

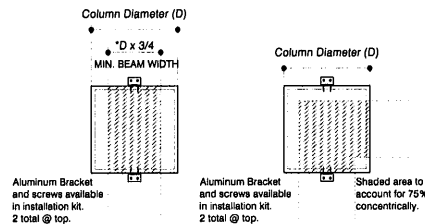
Eccentric loading of columns is not recommended by HB&G.



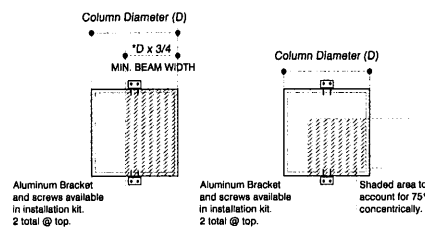
Acceptable Applications



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, 2015, 2012, and 2009 IBC/IRC.

## Round Tapered PermaCast® Plain and Fluted

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

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

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

## Round No-Taper PermaCast® Plain and Fluted

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

## Craftsman Plain and RoughSawn® PermaCast®

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

## Round No-Taper PermaLite®

8"	4000	20000	8000
10"	4000	20000	10000

## 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, 2015, 2012 and 2009 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, 2015, 2012 and 2009 IBC/IRC