Preliminary Consultation
MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	3705 Underwood Street, Chevy Chase	**Meeting Date:**	4/17/2024
Resource:	Master Plan Site *#35/91* **Welsh House**	**Report Date:**	4/10/2024
		Public Notice:	4/3/2024
Applicant:	Rich and Jacqueline Renz (Luke Olson, architect)	**Tax Credit:**	No
Review:	Preliminary Consultation	**Staff:**	Chris Berger

Permit Number: 1064284

PROPOSAL: Partial demolition, porch infill, and new two-story rear addition.

STAFF RECOMMENDATION

Staff recommends that the applicant make any changes recommended by the Historic Preservation Commission (HPC) and return for an Historic Area Work Permit (HAWP).

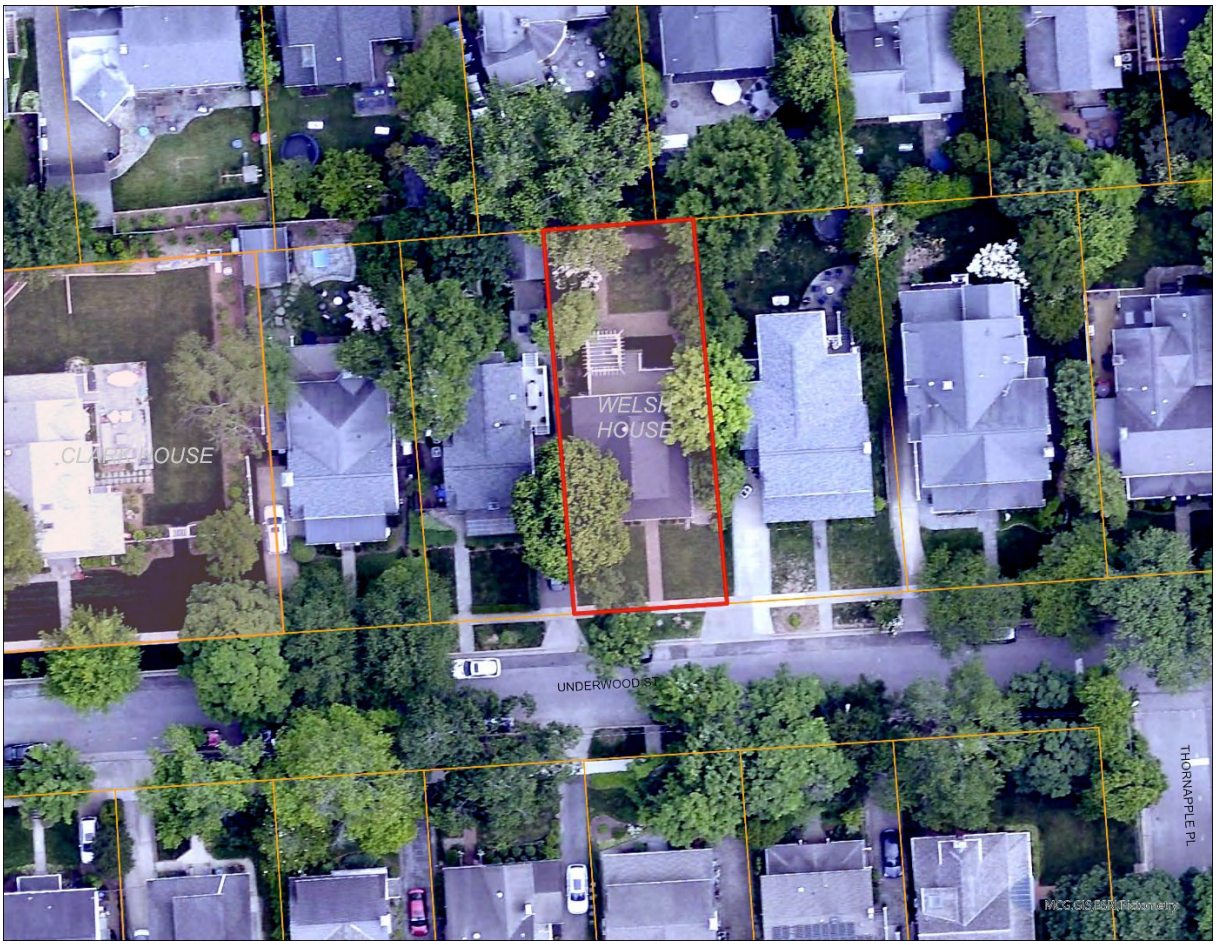


Figure 1: The Welsh House parcel lines are marked in red.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: *Master Plan Site #35/91,* **Welsh House**
STYLE: Vernacular
DATE: 1897

The house is described follows in *Places From the Past*:

> The Welsh House, built in 1897, was the second house built in Otterbourne. The vernacular front gable house bears similarity with folk houses built near Williams Lane in this era. In February 1897, Nicholas J. Welsh acquired Lot 11, Block 3 from investor Eugene B. Clark. The property was assessed with $700 in improvements the same year. Welsh sold the property in 1905. By 1927, the house had changed hands nine times. The house has narrow clapboard siding, 2/2 sash windows, and a simple front door with transom. The original full width porch has been replaced with a wrap-around porch. The gable fanlight appears to be a later addition.

Figure 2: The front and right-side elevations of 3705 Underwood St.

Figure 3: The rear and right-side elevations of 3705 Underwood St.

Figure 4: The existing wraparound porch at 3705 Underwood St. The 9-foot long section toward the far end is proposed to be enclosed.

PROPOSAL

The project architect described the work as follows:

> We are proposing 2-story rear gable addition with 1-story addition to the right side and new rear deck. The two story addition measures 15.5' x 20' and is setback 4.2' from the left side to conform with the required 7' side setback, leaving 3.1' from the right side to the corner of the existing house. The eaves of the 2-story addition will align with the existing house eaves, and the ridge will not extend above the existing roof. There is a new chimney at the rear of the addition that will extend up above the roof-line, but given [its] location at the back of the addition and the 2-story height of the existing house, it will be minimally visible from the street. The rest of the 2-story mass is entirely behind the existing house and will not be visible from the public right-of-way.
>
> The 1-story right side addition includes an approx. 61 sf infill of the back 9' of the existing non-historic wraparound porch, and extends the porch roof line around to the rear of the house to minimize the change in the massing when viewed from the street.
>
> We've located the rear addition in the same location as the current deck structure to minimize impact/disturbance on the lot. At 394 sf, our addition constitutes an approx. 35% increase to the existing house footprint, and we are well below the 35% max lot coverage at 24.4%.
>
> The siding on the addition will be [painted] Fiber cement siding with a 5" reveal to align with the current 2.5" reveal while also differentiating old from new. Hardie siding cannot be installed with a 2.5" reveal so this seems the most appropriate option. The new trim will be [painted] Composite trim; the gutters and roofing are to match existing, and the concrete foundation and piers will be parged to match existing. The new deck and steps will be composite materials to match the existing decking, the new railing will be painted wood where we are extending out from the existing railing, and painted composite railing on the new rear deck. The windows will be aluminum-clad wood SDL windows to match the current 2 over 2 configuration. The new doors will be clad-wood SDL units as well.

APPLICABLE GUIDELINES

In accordance with Section 1.5 of the Historic Preservation Commission Rules, Guidelines, and Procedures (Regulation No. 27-97), in developing its decision when reviewing applications for an undertaking at a Master Plan site the Commission uses Chapter 24A-8 of the Montgomery County Code (*Chapter 24A-8*), *the Secretary of the Interior's Standards for Rehabilitation* (*Standards*), and pertinent guidance in applicable master plans. The pertinent information in these documents, incorporated in their entirety by reference herein, is outlined below.

Montgomery County Code Chapter 24A-8

The following guidance which pertains to this project are as follows:

(b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:

(1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or

(2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter.

Secretary of the Interior's Standards for Rehabilitation

The Secretary of the Interior defines rehabilitation as "the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values." The applicable *Standards* are as follows:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

STAFF DISCUSSION

Siting

Staff supports the placement of the two-story addition in the rear yard behind the existing 2.5-story building. It will be inset a few feet on both sides, so it will not be visible from the right of way. The deck will also be located in the rear yard and not visible from the public view. The one-story addition will be visible from the right-of-way, but staff is supportive of its location because the addition will maintain the same roof pitch as the wraparound porch in order to integrate it into the building.

The addition of the stairs to the porch on the right-side elevation will likely necessitate a new walkway, and that feature should be added to the site plan.

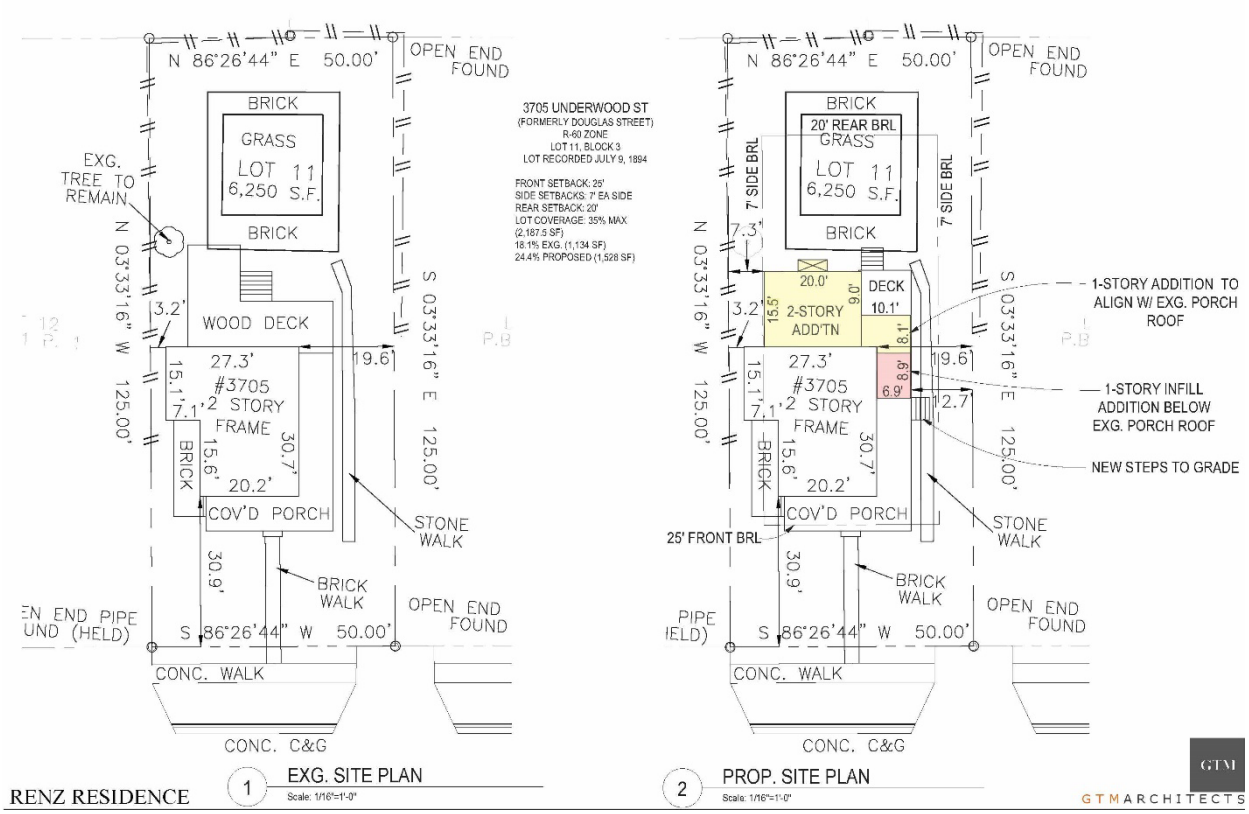


Figure 5: The existing and proposed site plans for the subject property.

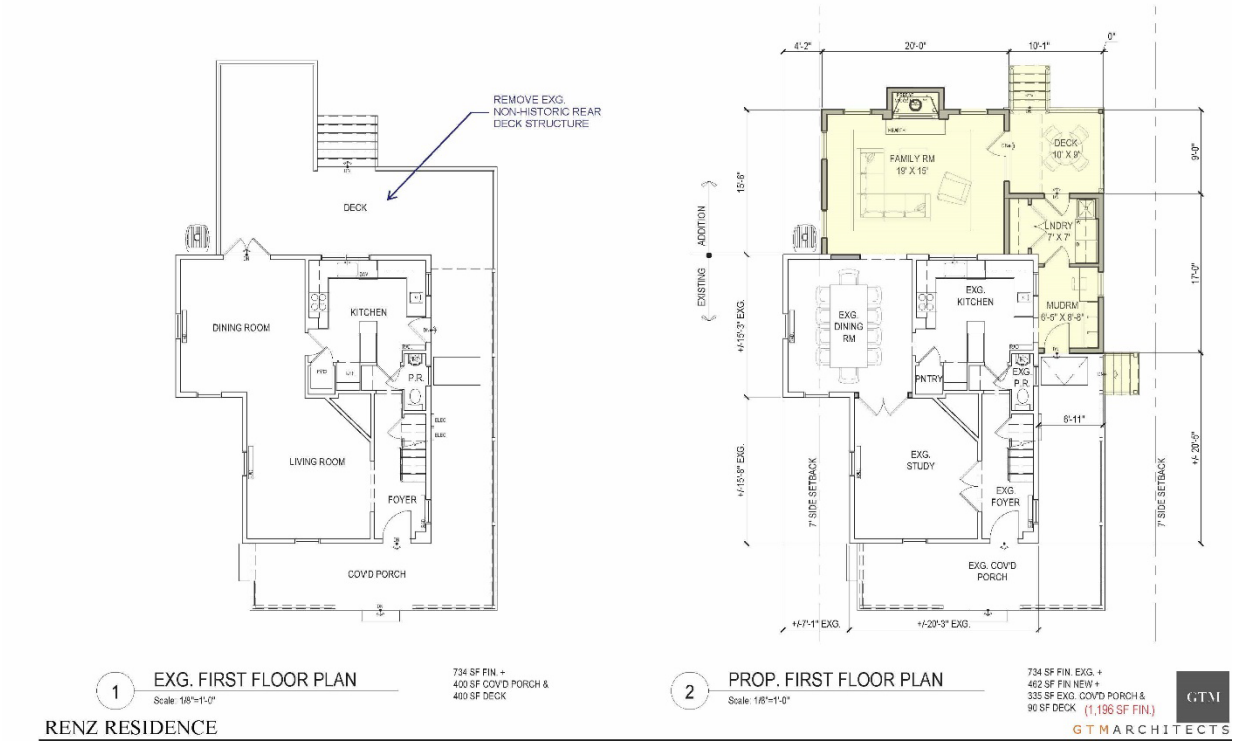


Figure 6: The existing and proposed first-floor plans for the subject property.

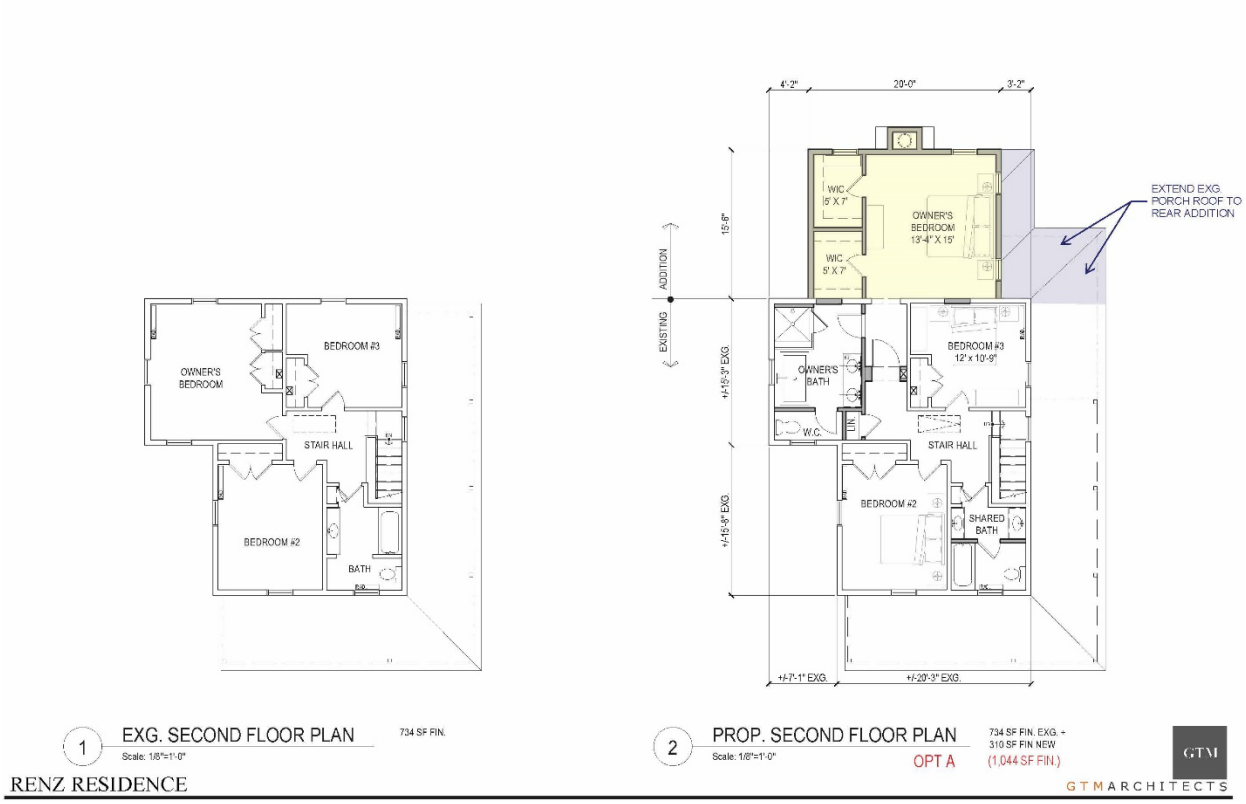


Figure 7: The existing and proposed second-floor plans for the subject property.

Size, Scale, and Massing

The two-story addition will measure 15.5 by 20 feet. The one-story addition will consist of two parts: The end portion of the existing wraparound porch that measures 6.9-by-8.9 feet will be infilled, and a new portion measuring 8.1-by-10.1 feet will be constructed. The deck will measure 10.1-by-9 feet. The two-story rear addition will 2 feet, 2 inches, lower than the height of the front-oriented gable roof closest to Underwood Street, and it will be the same height as the side-oriented gable roof currently at the rear of the building.

Staff supports the size, scale, and massing of the proposed rear and side additions. The two-story addition will be both subservient and complimentary to the historic construction. Further, it will inset to limit its visual impact from the public view. The one-story addition that will be visible from the right of way will also be complimentary to the historic construction. Staff appreciates that the existing roof pitch and height will be maintained on both the enclosed portion of the porch and the section to be constructed in the rear.

Staff supports the addition of a brick chimney but finds the heavy massing too prominent for the delicate wood frame house and recommends it be reduced in width. If the fireplace is not woodburning, staff recommends a different treatment for the gas fireplace inserts, including one continuously framed "chimney" bumpout.

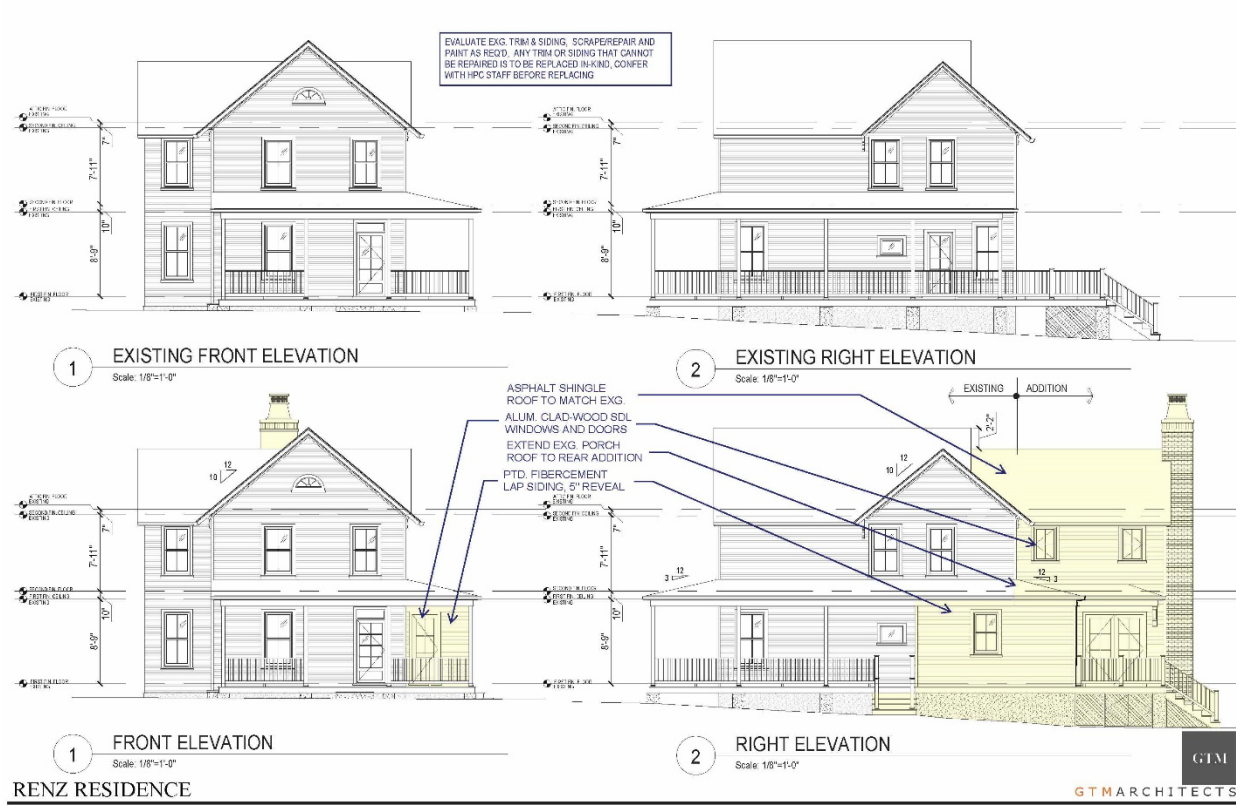


Figure 8: The existing and proposed front and right-side elevations.

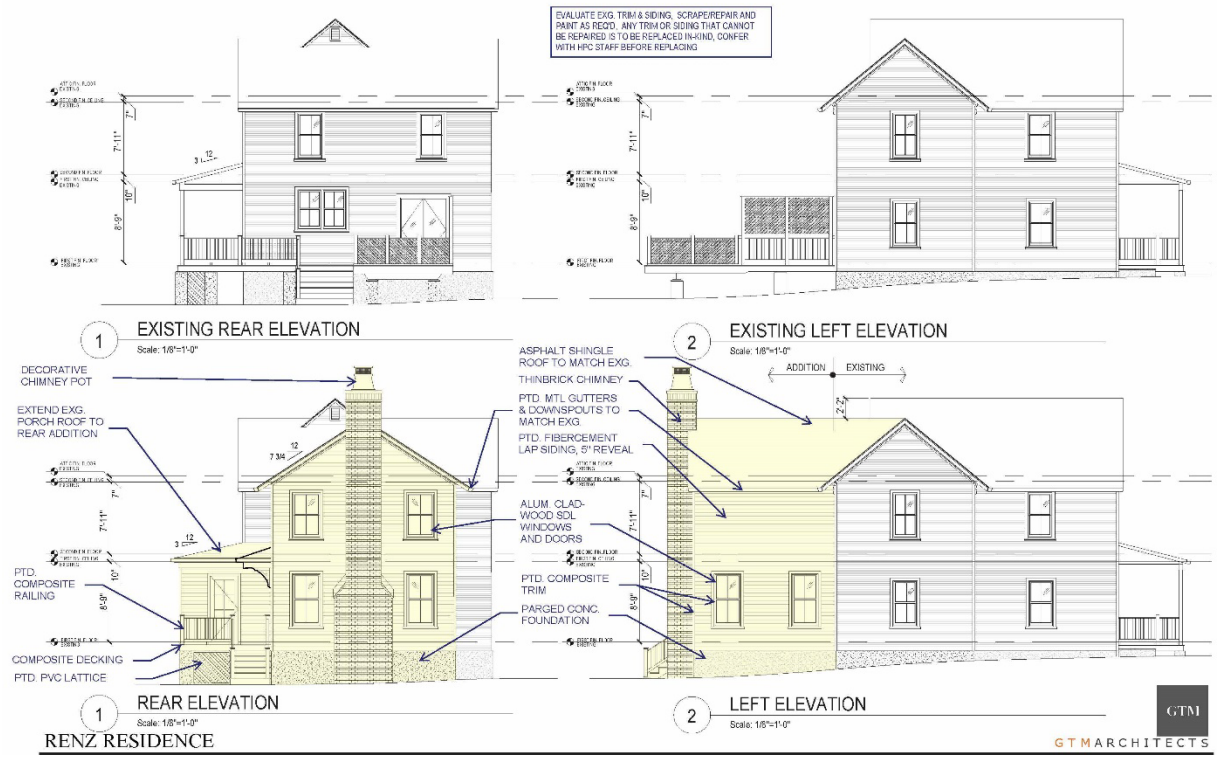


Figure 9: The existing and proposed rear and left-side elevations.

Architectural Style and Materials

The architectural style of the new construction is complimentary to the existing building (*Figures 7 and 8*). The two-story addition will have a gable roof that matches the existing cross gables, and the one-story addition will maintain the existing hip roof. The existing gable roofs have a 10/12 roof pitch; the proposed gable roof will have a 7.75/12 roof pitch. Staff usually prefers that the gable pitch of the two-story addition match the pitch of the existing cross-gable roof; however, it appears the addition's roof is at a lower pitch so that it can be a lower height than the existing gable roofs. The 3/12 pitch of the hip roofs on the porch will be maintained on the roof of the one-story addition. The existing roofs are covered with architectural grade shingles, and the new roofs will have the same.

The most recent Sanborn map from 1954 shows a one-story full width front porch and a one-story side porch, but not the current wraparound porch (*Figure 10*). Because the wraparound porch is not original to the home's construction, staff is supportive of the proposal to enclose an approximately 9-foot section of the end of the porch to build a one-story addition. Staff notes that a third of the existing porch on the right side will be enclosed, and at its closest the enclosed porch will be approximately 50 feet from the sidewalk, so the majority of the porch will remain intact.

The proposed 2/2 sash windows on the rear and left-side elevations are slightly larger than the windows on the existing residence, and the windows on the right-side elevation are smaller. Staff is supportive of windows that slightly vary in size from the existing but recommends that all the windows on the addition be of a uniform size. Staff supports the window placements on the rear and right-side elevations but finds the proposed window pattern on the left-side elevation could benefit from one or two real or faux windows on the second floor.

The additions will be clad in horizonal fiber cement lap siding with a 5-inch reveal. The existing building has lap siding with a 2.5-inch reveal. Staff supports the 5-inch lap siding so long as the siding on the addition aligns with the existing where they meet.

The addition will have a parged foundation to match the existing parged foundation, and the deck will be parged piers with lattice infill.

A new stairway to the porch will be constructed on the right-side elevation. The railing material will be wood to match the material of the existing porch balustrade. The stair threads and risers will be composite to match the existing porch decking. It appears the composite floor on the front porch was installed without a HAWP, so the applicant should request to return the porch floor to wood tongue and groove as part of the HAWP for this project. The proposed stair treads and risers should be wood to match. The new deck in the rear yard will have a composite floor and railing, which staff supports.

The paired doors to the new deck will be covered by a hip-roofed hood supported by a wood bracket.

In addition to staff's concerns with the massing of the chimney, staff also does not support the design of the decorative chimney cap because it appears incompatible to the design and scale of the house. Its elaborate design and size conflicts with the sober appearance of the Vernacular-style 19th century residence. Staff recommends the applicant select a simpler, less prominent option for the chimney cap that is compatible with the design of the home, or install a framed chimney stack as noted above.

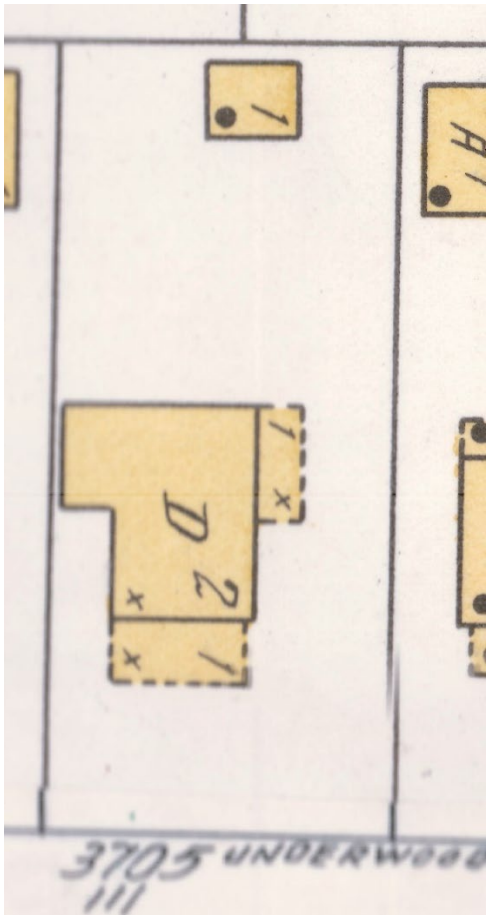


Figure 10: The 1954 Sanborn map of the property shows a front porch and a side porch, but not the wraparound porch that exists today.

Items to Include in HAWP Application

- Specification sheets for all construction features.
- Label all proposed materials and architectural features on the elevations.
- Include the location of new HVAC equipment on plans.
- The aluminum clad window grilles shall be either full divided lite or simulated divided lite with permanent exterior and interior grilles.
- Reduce the massing of the proposed brick chimney or change to a framed and boxed in chimney stack.
- Add at least one true or faux window on the second floor of the left-side elevation to break up the massing.
- Select a simpler chimney cap than what is shown on the elevations.
- The materials of the railings and stairs at the new stairway on the side elevation should match the existing materials of the porch balustrade and stairs.
- Revise the walkway on the right-side elevation to reflect the addition of the side porch stairs.
- Include as part of the application a revision to the porch decking and risers to remove the Timbertech, which appears to have been installed without a HAWP, and reinstall wood tongue and groove and revise other materials shown in the new construction so that stair treads and risers are wood.
- Include a retroactive request to change the roof from 3-tab to architectural-grade shingle.

STAFF RECOMMENDATION

Staff recommends that the applicant make any changes suggested by the HPC and return to the Commission with a HAWP application.

FOR STAFF ONLY:
HAWP#_____
DATE ASSIGNED_____

APPLICATION FOR HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: Rich and Jacqueline Renz E-mail: jackcoussan@yahoo.com

Address: 3705 Underwood St City: Chevy Chase Zip: MD

Daytime Phone: 440-391-2650 Tax Account No.: 00527510

AGENT/CONTACT (if applicable):

Name: LUKE OLSON E-mail: LOLSON@GTMARCHITECTS.COM

Address: 7735 OLD GEORGETOWN RD STE 700 City: BETHESDA Zip: 20814

Daytime Phone: 240-333-2021 Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property_____

Is the Property Located within an Historic District? __Yes/District Name_____
X No/Individual Site Name Welsh House

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: 3705 Street: Underwood St

Town/City: Chevy Chase Nearest Cross Street: Thornapple Pl

Lot: 11 Block: 3 Subdivision: 0040 Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- ☐ New Construction
- ☒ Addition
- ☐ Demolition
- ☒ Grading/Excavation
- ☒ Deck/Porch
- ☐ Fence
- ☐ Hardscape/Landscape
- ☐ Roof
- ☐ Shed/Garage/Accessory Structure
- ☐ Solar
- ☐ Tree removal/planting
- ☐ Window/Door
- ☐ Other:_____

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

_____ 3/26/24

Signature of owner or authorized agent Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFING

[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address	**Owner's Agent's** mailing address
Rich and Jacqueline Renz 3705 Underwood St Chevy Chase MD 20815	Luke Olson 7735 Old Georgetown Rd Ste 700 Bethesda, MD 20814

Adjacent and confronting Property Owners mailing addresses

Jason & Jill Larrabee 3707 Underwood St Chevy Chase MD 20815	Joseph and Jenna Harar 3703 Underwood St Chevy Chase MD 20815
Will Peppo 3704 Underwood St Chevy Chase MD 20815	Brett & Ashley Kavanaugh 3706 Underwood St Chevy Chase MD 20815
Elizabeth Mullin & Kenneth Connolly 3702 Underwood St Chevy Chase MD 20815	Kevin Bromberg & Janet Robins 3720 Williams Lane Chevy Chase MD 20815
Matthew & Maura Norden 3718 Williams Lane Chevy Chase MD 20815	

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

EXISTING 1,468 SF 2-STORY 3-BED/1.5 BATH VICTORIAN VERNACULAR STYLE HOME CIRCA 1897 W/ NON-HISTORIC WRAPAROUND FRONT AND RIDE SIDE PORCH AND REAR DECK. THE HOUSE CURRENTLY HAS A DIRT CELLAR WITH NO LIVABLE SPACE. THE EXISTING EXTERIOR MATERIALS CONSIST OF PTD WOOD LAP SIDING W/ 2.5" REVEAL, WITH AN ASHPHALT SHINGLE ROOF, PTD MTL GUTTERS, AND PAINTED WOOD TRIM. THE EXISTING BRICK FOUNDATION HAS BEEN PARGED OVER, THE DECKING AND SKIRT BOARD ARE COMPOSITE MATERIALS, AND ALL OF THE WINDOWS HAVE BEEN REPLACED WITH PTD. WOOD DOUBLE-PANEL SDL WINDOWS. CURRENT HOUSE SITING IS NON-CONFORMING IN THAT IT IS SETBACK ONLY 3.2' FROM THE LEFT SIDE LOT LINE; REQUIRED SETBACK IS 7'. FROM THE MHT FORM:

> **The two-story, two-bay wood frame residence has a gable roof and narrow clapboard siding, with 2/2 sash windows and a simple front door with transom. A rear ell projects to the west. Decorative elements include brackets on both projecting eaves at the front facade. A gable fanlight appears to be a later addition.**
>
> **After 1958 the original full-width front porch and separate east side porch were replaced with a wrap-around porch, which sits on concrete piers.[1]**
>
> **The house remains on its original site, Lot 11, Block 3, consisting of 6,250 square feet of land.[2]**

Description of Work Proposed: Please give an overview of the work to be undertaken:

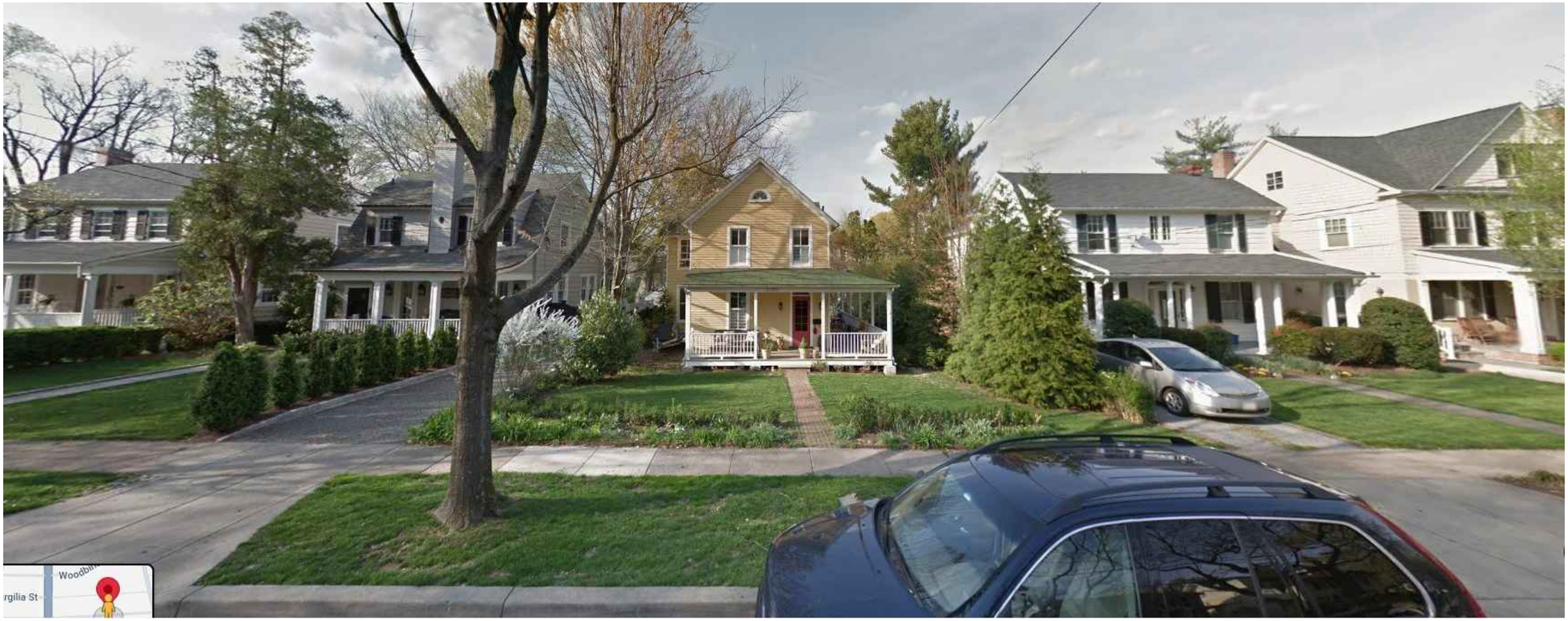
The current house has 3 bedrooms on the 2nd level but only 1 bath, there is no mudroom or closet of any usable size at the entry, no home office space, and the laundry room consists of a compact stacked unit in a small closet in the kitchen. There is no basement in the house that could be finished and utilized to resolve these issues, so a modest addition mainly to the rear of the house with a partial infill/extension to the back end of the existing non-historic wraparound porch seems the most appropriate way to provide the necessary spaces with minimal impact to the historic character of the existing resource.We are proposing 2-story rear gable addition with 1-story addition to the right side and new rear deck. The two story addition measures 15.5' x 20' and is setback 4.2' from the left side to conform with the required 7' side setback, leaving 3.1' from the right side to the corner of the existing house. The eaves of the 2-story addition will align with the existing house eaves, and the ridge will not extend above the existing roof. There is a new chimney at the rear of the addition that will extend up above the roof-line, but given it's location at the back of the addition and the 2-story height of the existing house, it will be minimally visible from the street. The rest of the 2-story mass is entirely behind the existing house and will not be visible from the public right-of-way. The 1-story right side addition includes an approx. 61 sf infill of the back 9' of the existing non-historic wraparound porch, and extends the porch roof line around to the rear of the house to minimize the change in the massing when viewed from the street. We've located the rear addition in the same location as the current deck structure to minimize impact/disturbance on the lot. At 394 sf, our addition constitutes an approx. 35% increase to the existing house footprint, and we are well below the 35% max lot coverage at 24.4%.The siding on the addition will be ptd. fibercement siding with a 5" reveal to align with the current 2.5" reveal while also differentiating old from new. Hardie siding cannot be installed with a 2.5" reveal so this seems the most appropriate option. The new trim will be ptd. composite trim; the gutters and roofing are to match existing, and the concrete foundation and piers will be parged to match existing. The new deck and steps will be composite materials to match the existing decking, the new railing will be painted wood where we are extending out from the existing railing, and painted composite railing on the new rear deck. The windows will be aluminum-clad wood SDL windows to match the current 2 over 2 configuration. The new doors will be clad-wood SDL units as well.

RENZ RESIDENCE

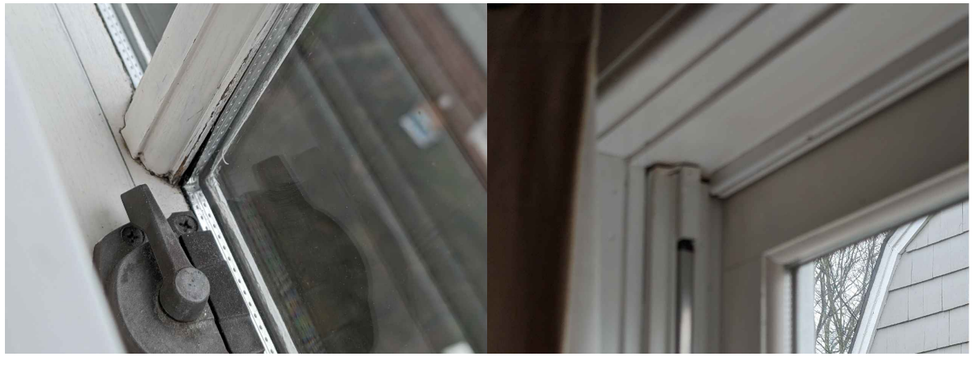
23.0603 3705 UNDERWOOD ST, CHEVY CHASE, MD

GTM ARCHITECTS

7735 OLD GEORGETOWN ROAD, SUITE 700, BETHESDA, MD 20814 - TEL: (240) 333-2000 - FAX: (240) 333-2001



STREETSCAPE



SDL WINDOW REPLACEMENT PHOTOGRAHIC EVIDENCE

The Welsh House, built in 1897, was the second house constructed in Otterbourne, a subdivision platted in 1894 and later absorbed into the Village of Chevy Chase, Section 5. A rare example of Victorian vernacular architecture in Chevy Chase, the house is located on the north side of Underwood Street (formerly Douglas Street), facing south.

The two-story, two-bay wood frame residence has a gable roof and narrow clapboard siding, with 2/2 sash windows and a simple front door with transom. A rear ell projects to the west. Decorative elements include brackets on both projecting eaves at the front facade. A gable fanlight appears to be a later addition.

After 1958 the original full-width front porch and separate east side porch were replaced with a wrap-around porch, which sits on concrete piers.[1]

EXCERPT FROM MHT FORM: WELSH HOUSE

GTM ARCHITECTS
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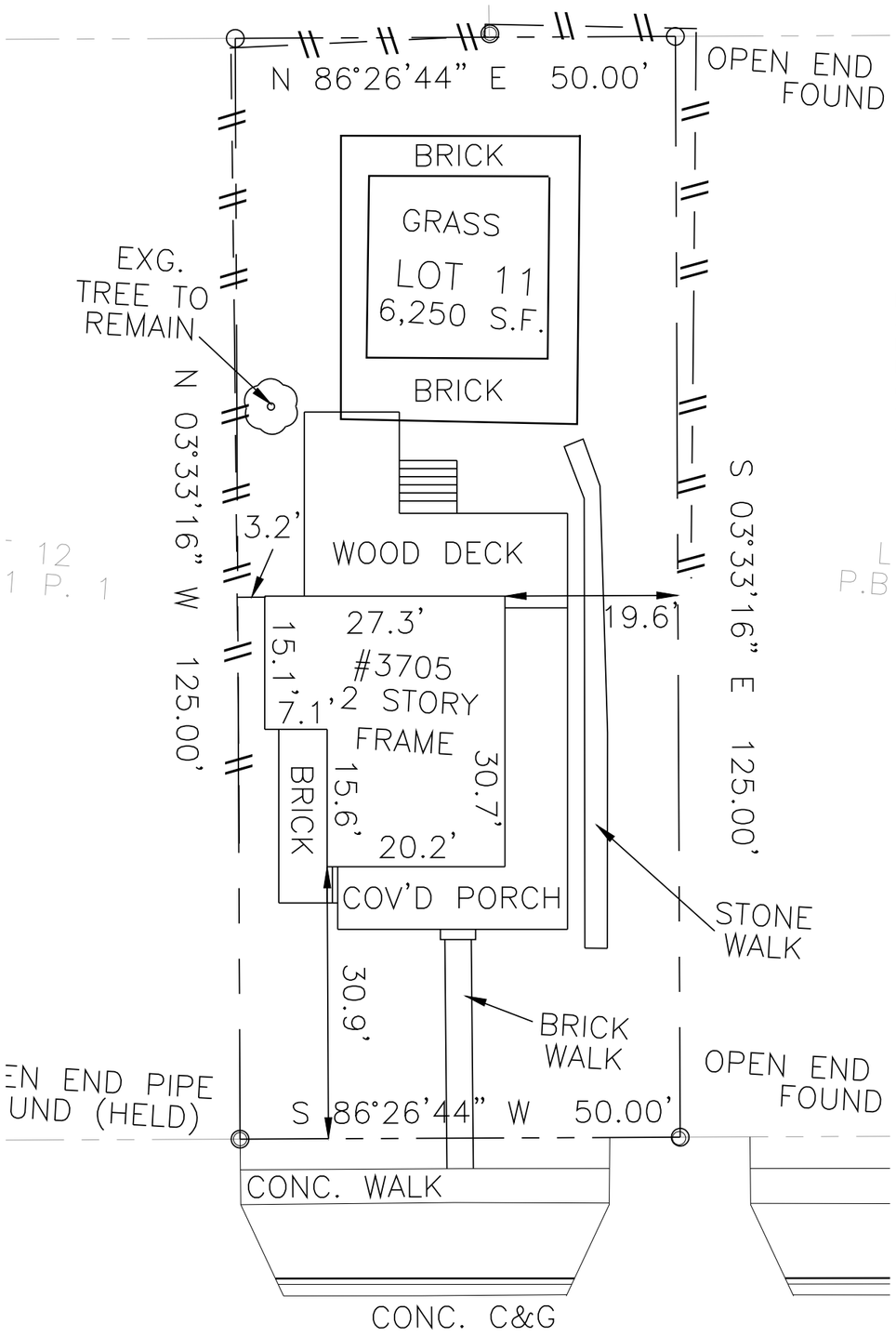
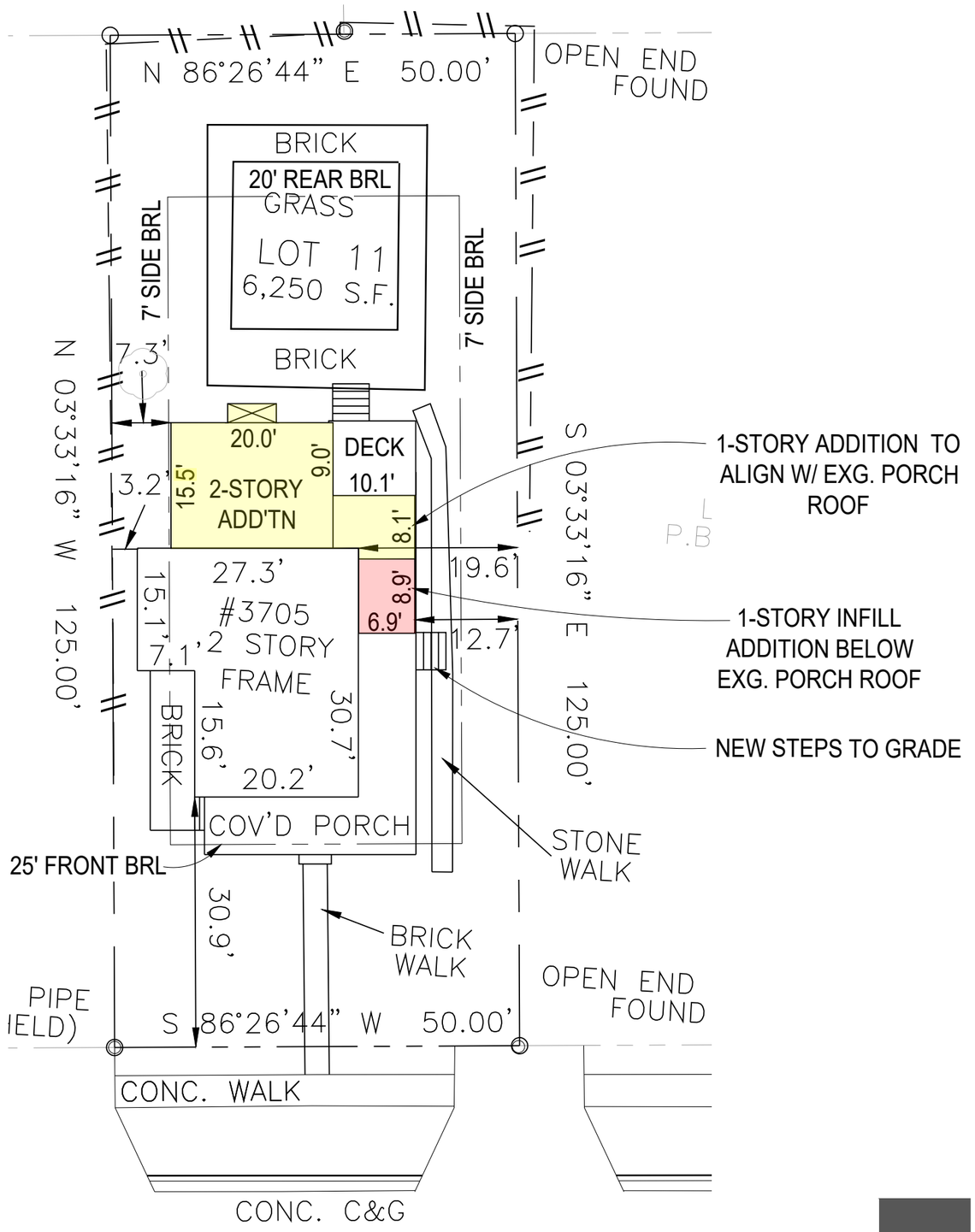


3705 UNDERWOOD ST
(FORMERLY DOUGLAS STREET)
R-60 ZONE
LOT 11, BLOCK 3
LOT RECORDED JULY 9, 1894

FRONT SETBACK: 25'
SIDE SETBACKS: 7' EA SIDE
REAR SETBACK: 20'
LOT COVERAGE: 35% MAX
(2,187.5 SF)
18.1% EXG. (1,134 SF)
24.4% PROPOSED (1,528 SF)

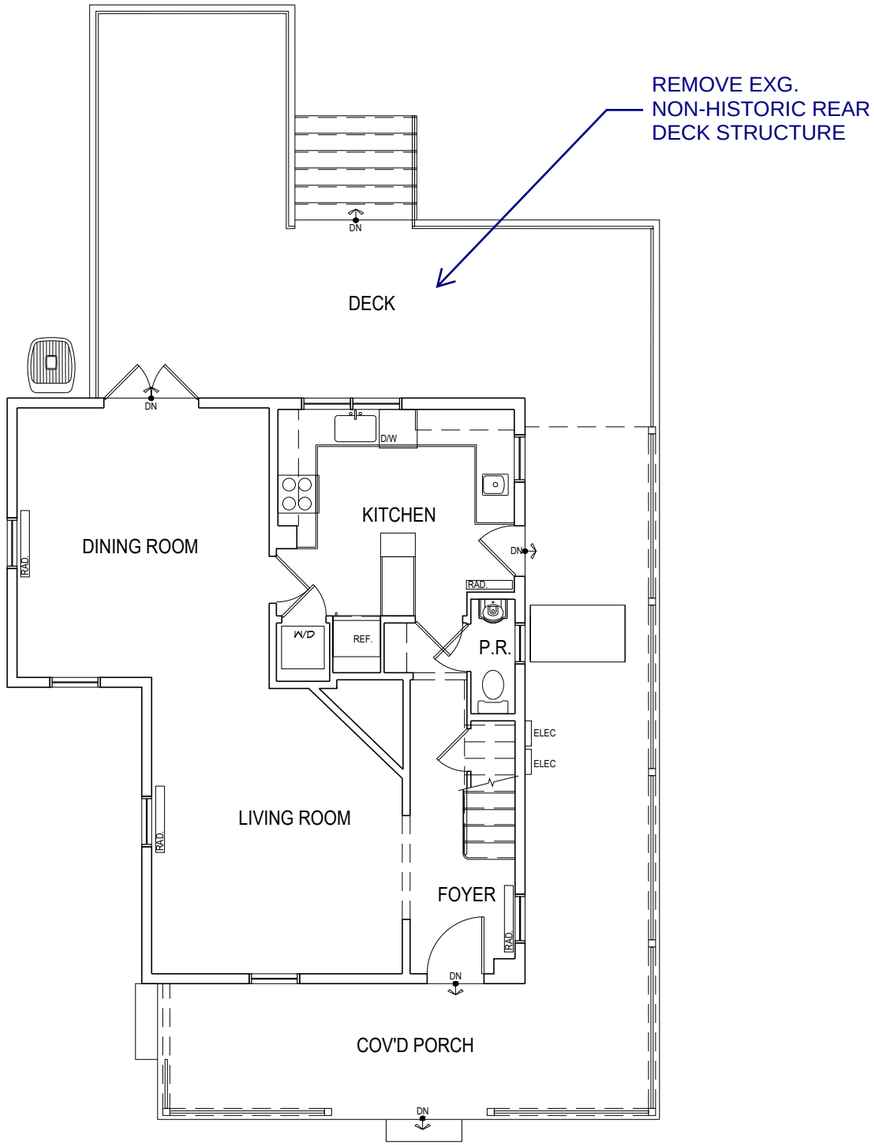


1 EXG. SITE PLAN
Scale: 1/16"=1'-0"

2 PROP. SITE PLAN
Scale: 1/16"=1'-0"

RENZ RESIDENCE

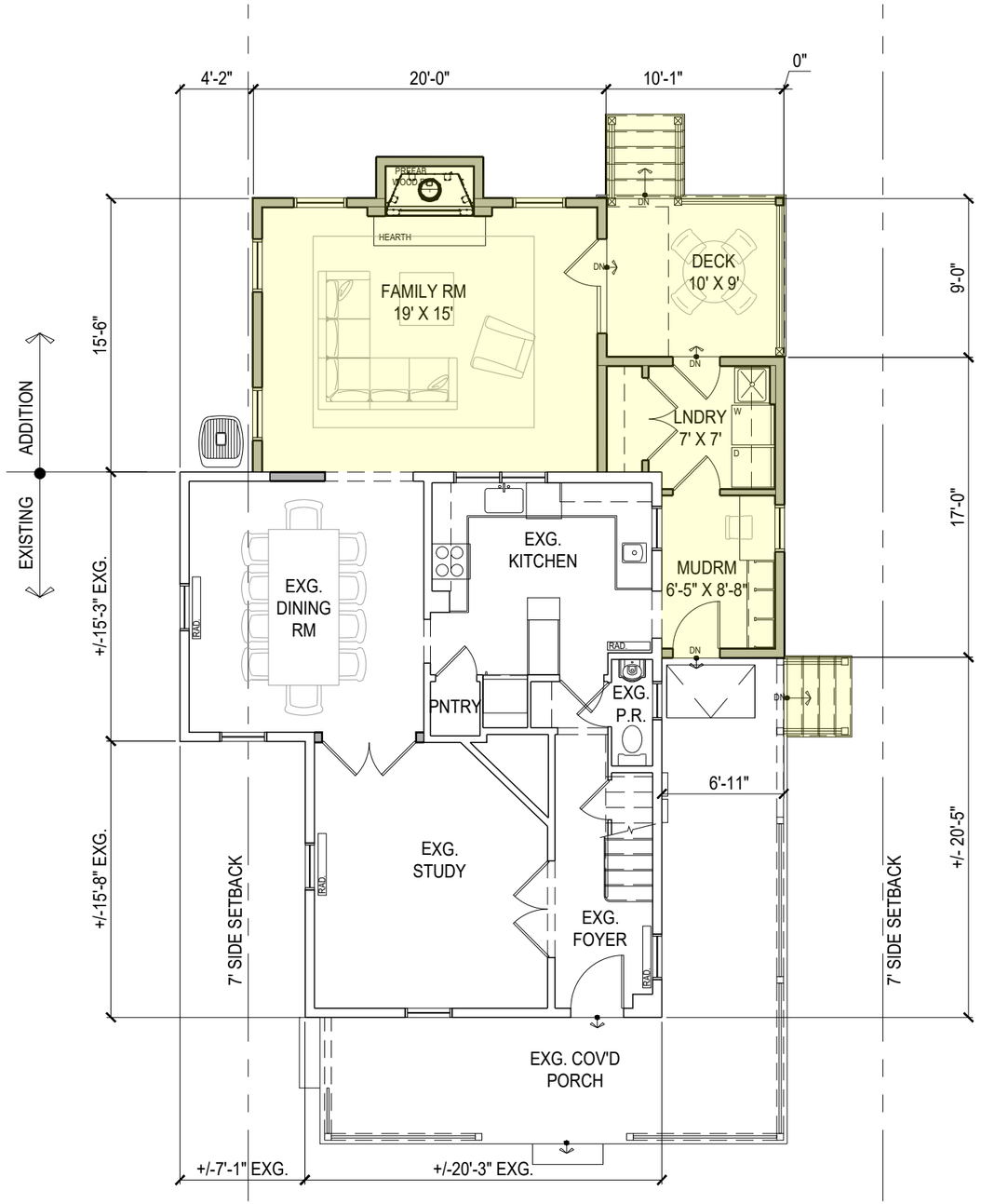
GTM ARCHITECTS
7735 OLD GEORGETOWN ROAD, SUITE 700, BETHESDA, MD 20814 - TEL: (240) 333-2000 - FAX: (240) 333-2001



1 EXG. FIRST FLOOR PLAN

Scale: 1/8"=1'-0"

734 SF FIN. +
400 SF COV'D PORCH &
400 SF DECK



2 PROP. FIRST FLOOR PLAN

Scale: 1/8"=1'-0"

734 SF FIN. EXG. +
462 SF FIN NEW +
335 SF EXG. COV'D PORCH &
90 SF DECK (1,196 SF FIN.)

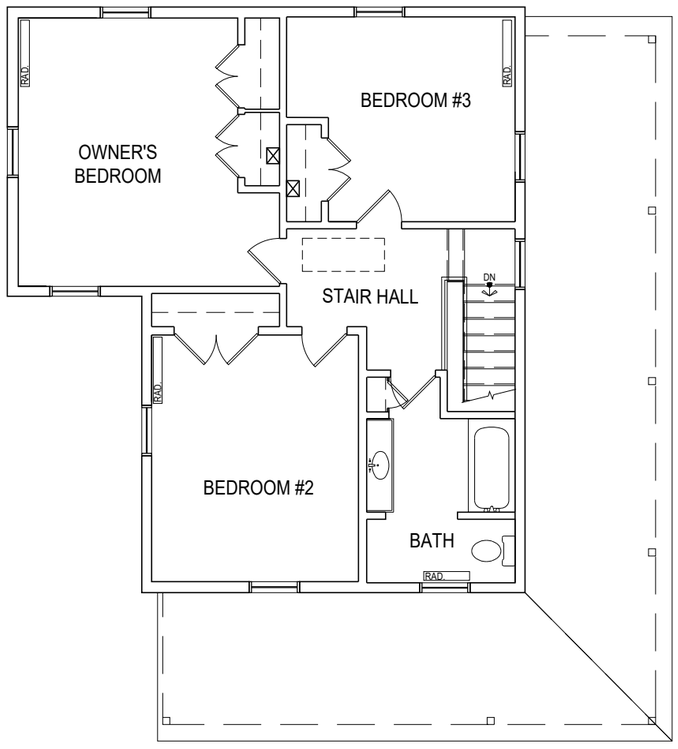
GTM

GTM ARCHITECTS

RENZ RESIDENCE

23.0603 3705 UNDERWOOD ST, CHEVY CHASE, MD

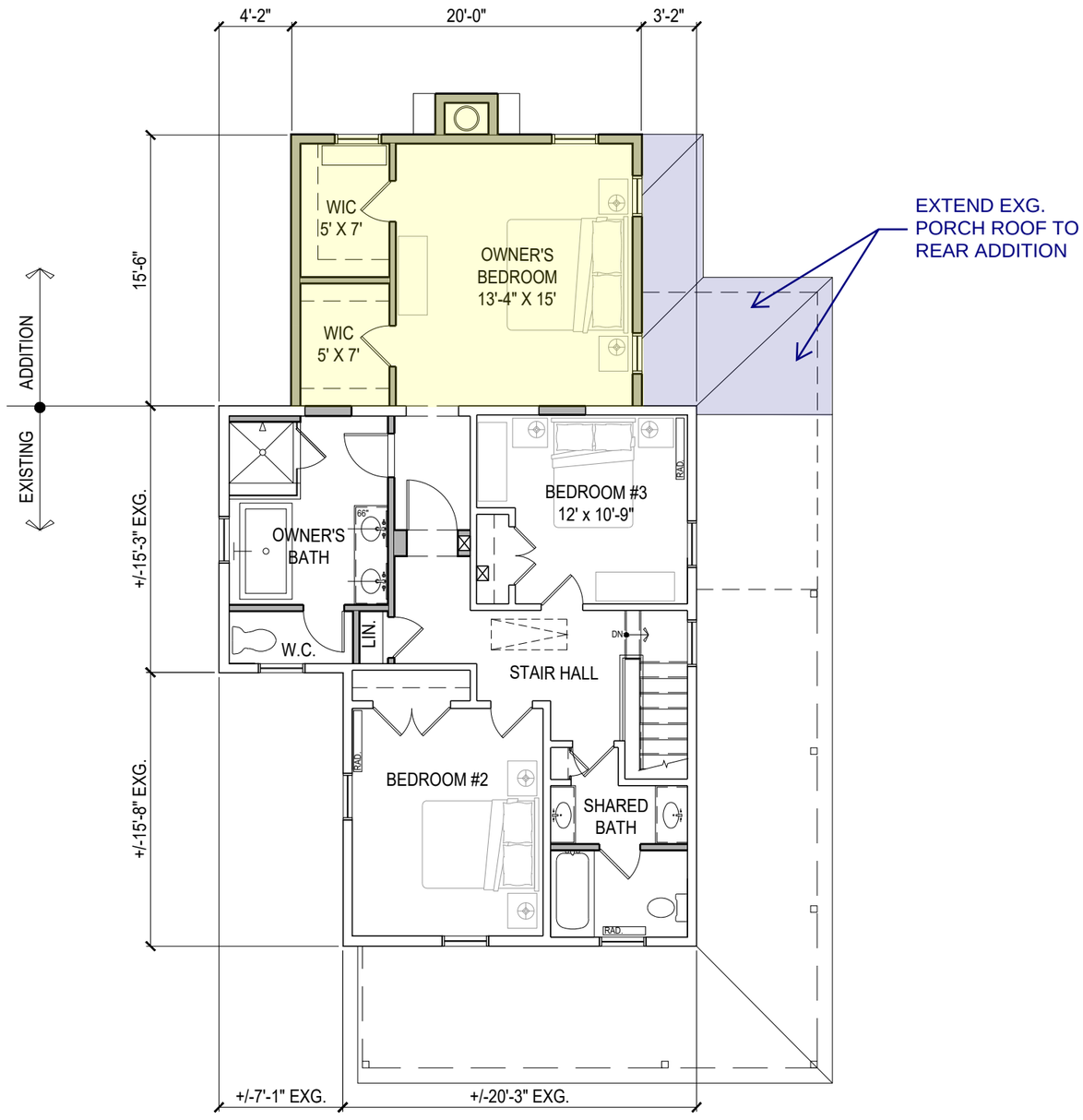
7735 OLD GEORGETOWN ROAD, SUITE 700, BETHESDA, MD 20814 - TEL: (240) 333-2000 - FAX: (240) 333-2001



1 EXG. SECOND FLOOR PLAN

Scale: 1/8"=1'-0"

734 SF FIN.



2 PROP. SECOND FLOOR PLAN

Scale: 1/8"=1'-0"

OPT A

734 SF FIN. EXG. +
310 SF FIN NEW
(1,044 SF FIN.)

RENZ RESIDENCE

GTM ARCHITECTS

7735 OLD GEORGETOWN ROAD, SUITE 700, BETHESDA, MD 20814 - TEL: (240) 333-2000 - FAX: (240) 333-2001

EVALUATE EXG. TRIM & SIDING, SCRAPE/REPAIR AND PAINT AS REQ'D, ANY TRIM OR SIDING THAT CANNOT BE REPAIRED IS TO BE REPLACED IN-KIND, CONFER WITH HPC STAFF BEFORE REPLACING

1 EXISTING FRONT ELEVATION

Scale: 1/8"=1'-0"

2 EXISTING RIGHT ELEVATION

Scale: 1/8"=1'-0"

ASPHALT SHINGLE ROOF TO MATCH EXG.

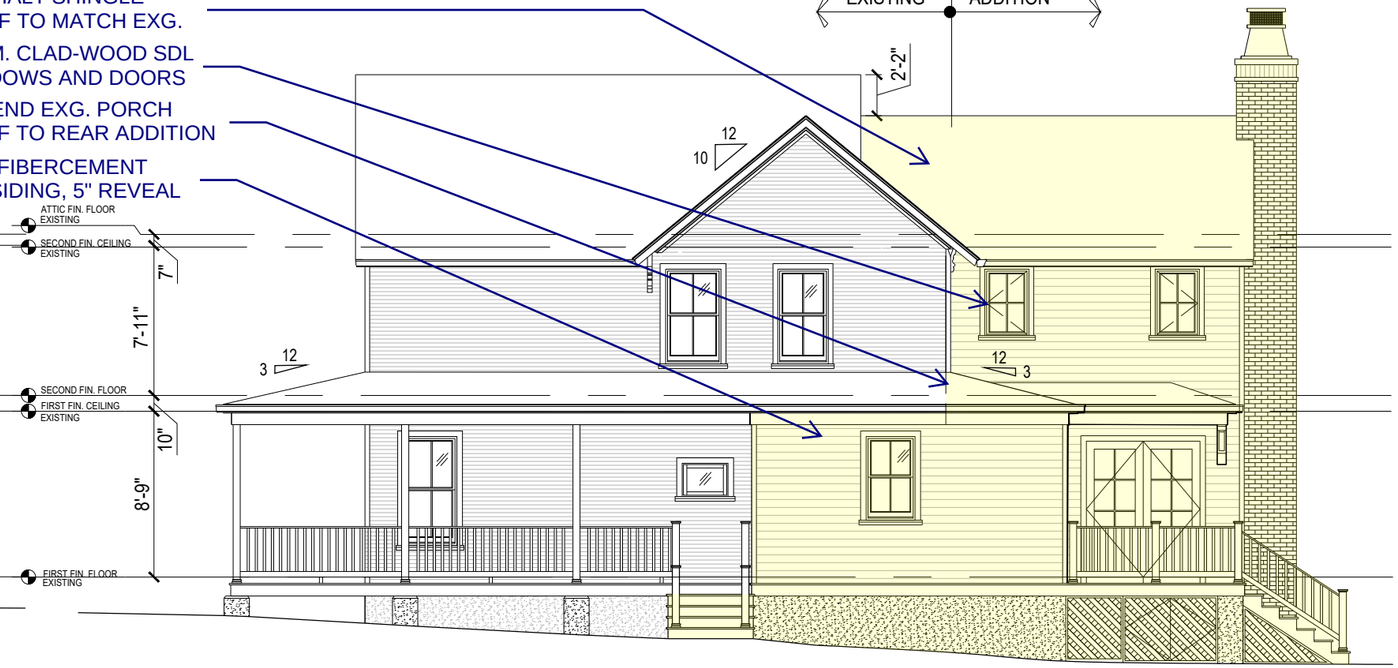
ALUM. CLAD-WOOD SDL WINDOWS AND DOORS

EXTEND EXG. PORCH ROOF TO REAR ADDITION

PTD. FIBERCEMENT LAP SIDING, 5" REVEAL

1 FRONT ELEVATION

Scale: 1/8"=1'-0"



2 RIGHT ELEVATION

Scale: 1/8"=1'-0"

RENZ RESIDENCE

23.0603 3705 UNDERWOOD ST, CHEVY CHASE, MD

7735 OLD GEORGETOWN ROAD, SUITE 700, BETHESDA, MD 20814 - TEL: (240) 333-2000 - FAX: (240) 333-2001

GTM ARCHITECTS

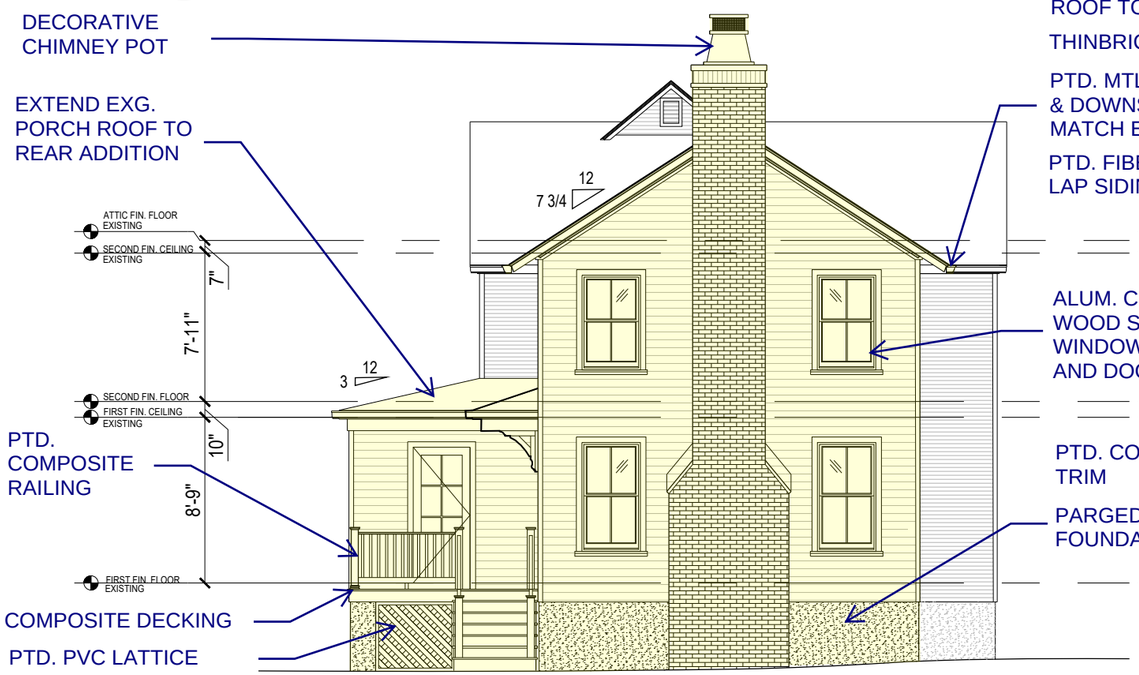
EVALUATE EXG. TRIM & SIDING, SCRAPE/REPAIR AND PAINT AS REQ'D, ANY TRIM OR SIDING THAT CANNOT BE REPAIRED IS TO BE REPLACED IN-KIND, CONFER WITH HPC STAFF BEFORE REPLACING

1 EXISTING REAR ELEVATION

Scale: 1/8"=1'-0"

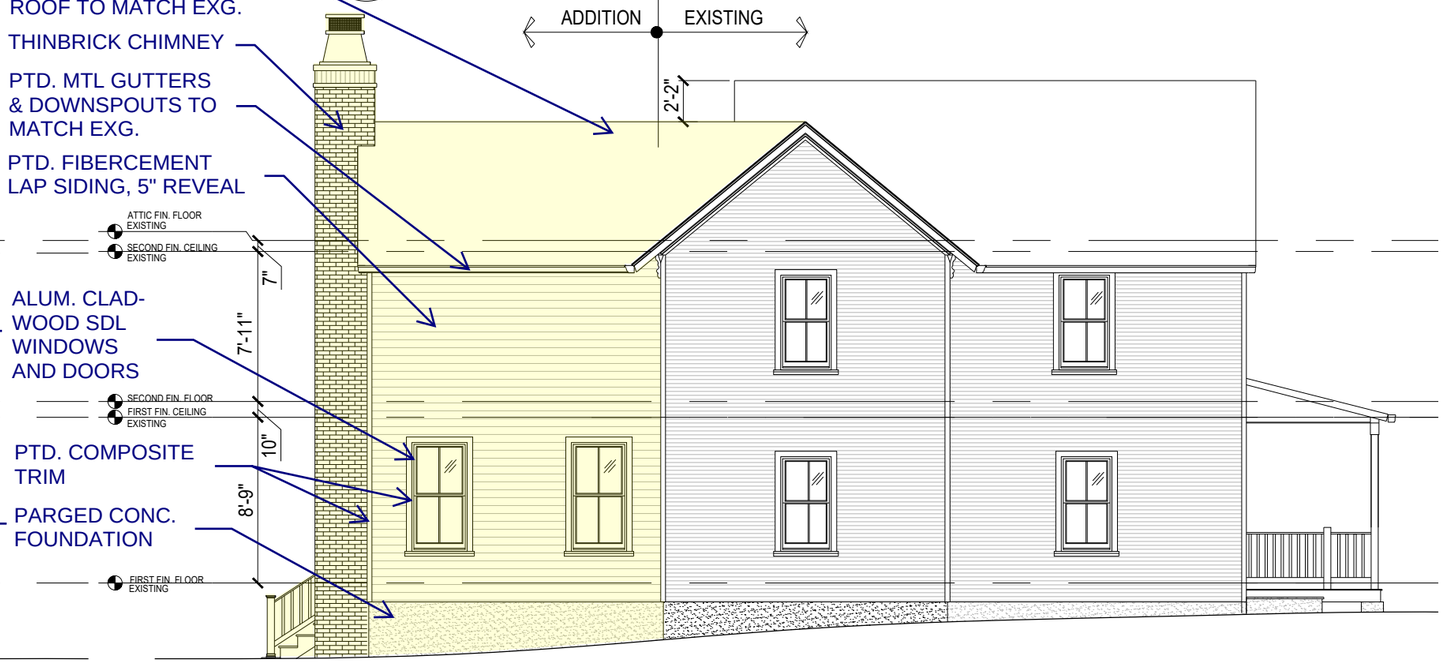
2 EXISTING LEFT ELEVATION

Scale: 1/8"=1'-0"



1 REAR ELEVATION

Scale: 1/8"=1'-0"



2 LEFT ELEVATION

Scale: 1/8"=1'-0"

RENZ RESIDENCE

23.0603 3705 UNDERWOOD ST, CHEVY CHASE, MD

7735 OLD GEORGETOWN ROAD, SUITE 700, BETHESDA, MD 20814 - TEL: (240) 333-2000 - FAX: (240) 333-2001

GTM ARCHITECTS

Maryland Historical Trust Maryland Inventory of Historic Properties Form

Survey No. M:35/91

1. Name of Property (indicate preferred name)

historic Welsh House

and/or common

2. Location

street & number 3705 Underwood Street ___ not for publication

city, town Chevy Chase ___ vicinity of

state Maryland county Montgomery

3. Classification

Category	Ownership	Present Use	
___ district)	___ public	___ agriculture	___ museum
_X_ building(s)	_X_ private	___ commercial	___ park
___ structure	___ both	___ educational	_X_ private residence
___ site		___ entertainment	___ religious
___ object		___ government	___ scientific
		___ industrial	___ transportation
		___ military	___ other:

4. Owner of Property (give names and mailing addresses of all owners)

name Christopher S. and M. P. Kelly

street & number 3705 Underwood Street telephone no:

city, town Chevy Chase state and zip code Maryland 20815

5. Location of Legal Description

courthouse, registry of deeds, etc. Montgomery County Courthouse Tax Map and Parcel HN342; Lot 11,Bl. 3

city, town Rockville state Maryland Liber and Folio 14202/0600

6. Primary Location of Additional Data

___ Individually Listed in the National Register
___ Contributing Resource in National Register District
___ Contributing Resource in Local Historic District
___ Determined Eligible for the National Register
___ Recorded by HABS/HAER
___ HSR or Research report at MHT
___ Other:

7. Description

Survey No. M: 35/91

Condition

X excellent	____ deteriorated
____ good	____ ruins
____ fair	____ altered

Prepare both a summary paragraph and a general description of the resource and its various elements as it exists today.

Resource Count:

See attached.

CONTINUATION SHEET

M:35/91 Welsh House (1897)
3705 Underwood Street
Section 7:2

The Welsh House, built in 1897, was the second house constructed in Otterbourne, a subdivision platted in 1894 and later absorbed into the Village of Chevy Chase, Section 5. A rare example of Victorian vernacular architecture in Chevy Chase, the house is located on the north side of Underwood Street (formerly Douglas Street), facing south.

The two-story, two-bay wood frame residence has a gable roof and narrow clapboard siding, with 2/2 sash windows and a simple front door with transom. A rear ell projects to the west. Decorative elements include brackets on both projecting eaves at the front facade. A gable fanlight appears to be a later addition.

After 1958 the original full-width front porch and separate east side porch were replaced with a wrap-around porch, which sits on concrete piers.[1]

The house remains on its original site, Lot 11, Block 3, consisting of 6,250 square feet of land.[2]

---

[1]Sanborn map, 1927-1959.

[2]Deed 143:496, 2/19/1897.

8. Significance

Survey No. M: 35/91

Period	Areas of Significance	Check and justify below		
___ 1600-1699	___ archeology-prehistoric	X community planning	___ landscape architecture	___ religion
___ 1700-1799	___ archeology-historic	___ conservation	X law	___ science
X 1800-1899	___ agriculture	___ economics	___ literature	___ sculpture
___ 1900-	X architecture	___ education	___ military	___ social/ humanitarian
	___ art	___ engineering	___ music	___ theater
	___ commerce	X exploration/settlement	___ philosophy	___ transportation
	___ communications	___ industry	___ politics/government	___ other (specify)
		___ invention		

Specific dates 1897 **Builder/Architect**

check: Applicable Criteria: ___ A ___ B ___ C ___ D
and/or
Applicable Exceptions: ___ A ___ B ___ C ___ D ___ E ___ F _

Level of Significance: ___ national ___ state X local

HISTORICAL CONTEXT:

MARYLAND COMPREHENSIVE PRESERVATION PLAN DATA

Geographic Organization: Piedmont

Chronological/Developmental Period(s): Industrial/Urban Dominance A.D. 187(-93(

Prehistoric/Historic Period Theme(s): Architecture and Community Planning

Resource Type: Individual

Category: Residential

Historic Environment: Suburban

Historic Function(s) and Use(s): Residential

Known Design Source:

CONTINUATION SHEET

M:35/91 Welsh House (1897)
3705 Underwood Street
Section 8:2

Built in 1897 by Nicholas J. Welsh on property purchased from investor Eugene B. Clark, the Welsh house is notable as the second residence constructed in Otterbourne. It is also significant as a rare and well preserved example of vernacular architecture built in suburban Chevy Chase. The house remains on its original lot of 6,250 square feet.

In February 1897 Welsh acquired Lot 11, Block 3, which backed up to the Williams farm land. The property was assessed with $700 in improvements the same year, even though the deed contained the usual restriction of a minimum house construction cost of $2,000.[3]

Otterbourne is a subdivision established in the Chevy Chase area by four investors: Robert E. Earll, Eugene B. Clark, Raymond Geare, and John Frank Ellis. The men purchased 14.4 acres from the Williams family in 1892, two years after the Chevy Chase Land Company purchased land to the south and west. For convenience, the plat for Otterbourne was filed under Ellis' name. The H-shaped plat was made in July 1894, oriented toward Brookville Road, an important early transportation route. The investors divided the lots among themselves, each one receiving a number equivalent to their respective interest in the original tract of land. Clark and Earll were the only two of the four to build and reside in Otterbourne.[4]

Otterbourne investors clearly saw the advantage of the property's location immediately adjacent to the Land Company's development. The name Otterbourne is a reference to the medieval Ballad of Chevy Chase, which had been the origin for the name of the Chevy Chase Land Company's real estate enterprise. It was on the plains of Otterbourne in Scotland that the armies of Lord James Douglas and Sir Henry Percy met in their fabled battle. Otterbourne benefitted from its close proximity to the Rock Creek Railway (1890), which ran along the newly established Connecticut Avenue. Early residents had access to the trolley by way of a boardwalk from Delaware Street (formerly Dalkeith) to Connecticut Avenue. Otterbourne was absorbed into Section 5, and by the 1920s the east-west cross streets were extended out to Connecticut Avenue and Percy Street was renamed Thornapple Street.[5]

---

[3]Deed 143:496 (2/19/1897); Tax Assessment Records, Annapolis, Maryland.

[4]Equity Case #2400, 8-24-1908, describes the history of Otterbourne and its investors.

[5]Gwen Wright et al. "Chevy Chase, Maryland, Survey District: Survey Report: Phase Two," Montgomery County Historic Preservation Commission, June 1997. Otterbourne Plat, Plat Book 1: Page 1 [Filed July 9, 1894]. William Offutt, *History of Bethesda*, pp. 173-4

Nicholas Welsh and his wife, Daisy L. Welsh, sold the property in 1905 to Clifford James. By 1927 the house had changed hands nine times.[6]

[6]Deeds 184:223, 210:477, 212:188, 218:263, 226:448, 238:122, 246:347, 288:94, 298:160.

9. Major Bibliographical References

Survey No. M: 35/91

See attached

10. Geographical Data

Acreage of nominated property 6,250 Sq. Ft.

Quadrangle name _____ Quadrangle scale _____

Verbal boundary description and justification

List all states and counties for properties overlapping state or county boundaries

state	code	county	code
state	code	county	code

11. Form Prepared By

name/title	Clare Lise Cavicchi, Historic Preservation Planner		
organization	Maryland National Capital Park and Planning Commission	date	1/98
street & number	8787 Georgia Avenue	telephone	301-563-3400
city or town	Silver Spring	state	Maryland 20910-3760

The Maryland Inventory of Historic Properties was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: Maryland Historical Trust
DHCD/DHCP
100 Community Place
Crownsville, MD 21032-2023
410-514-7600

CONTINUATION SHEET

M:35/91 Welsh House (1897)
3705 Underwood Street
Section 9:2

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3705 Underwood Street
Section 9:3

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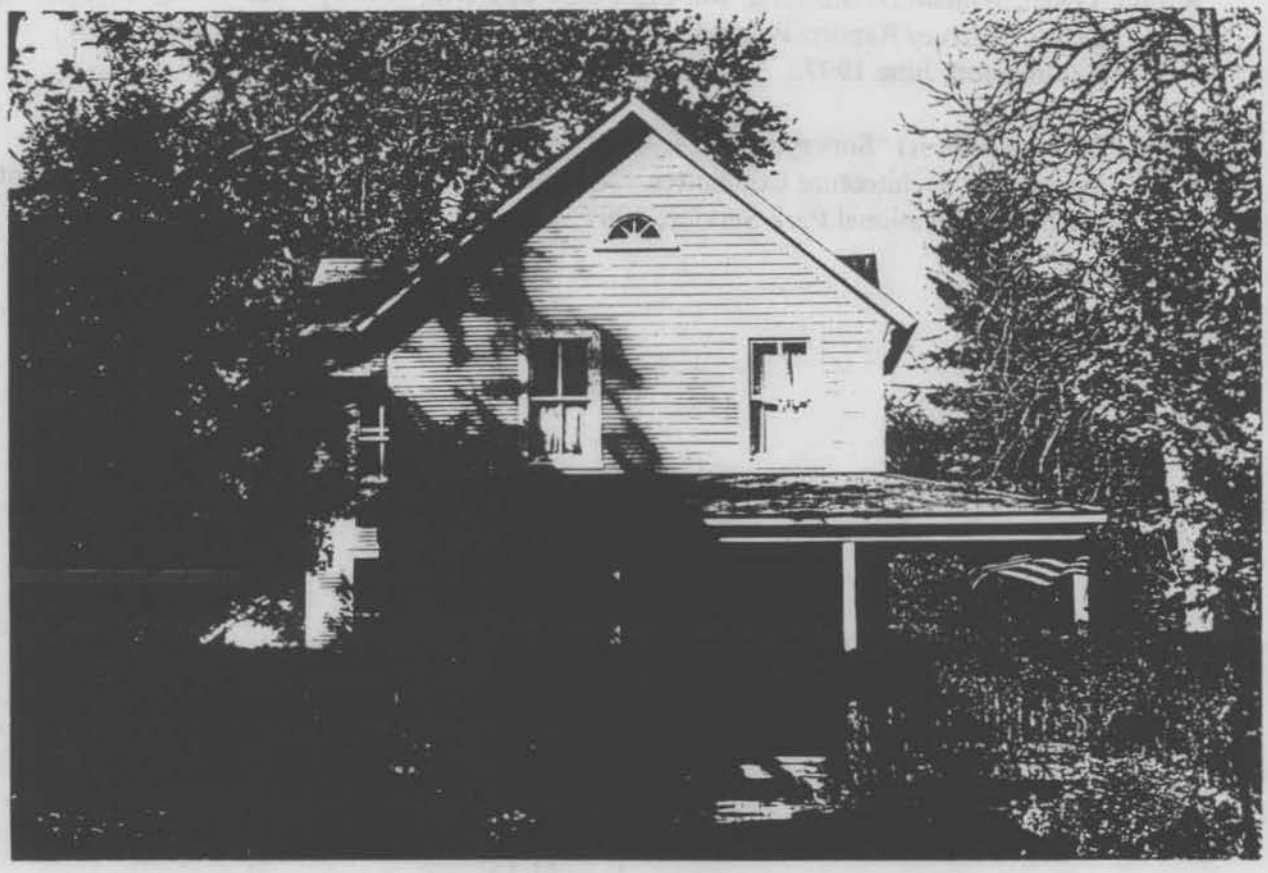
CONTINUATION SHEET

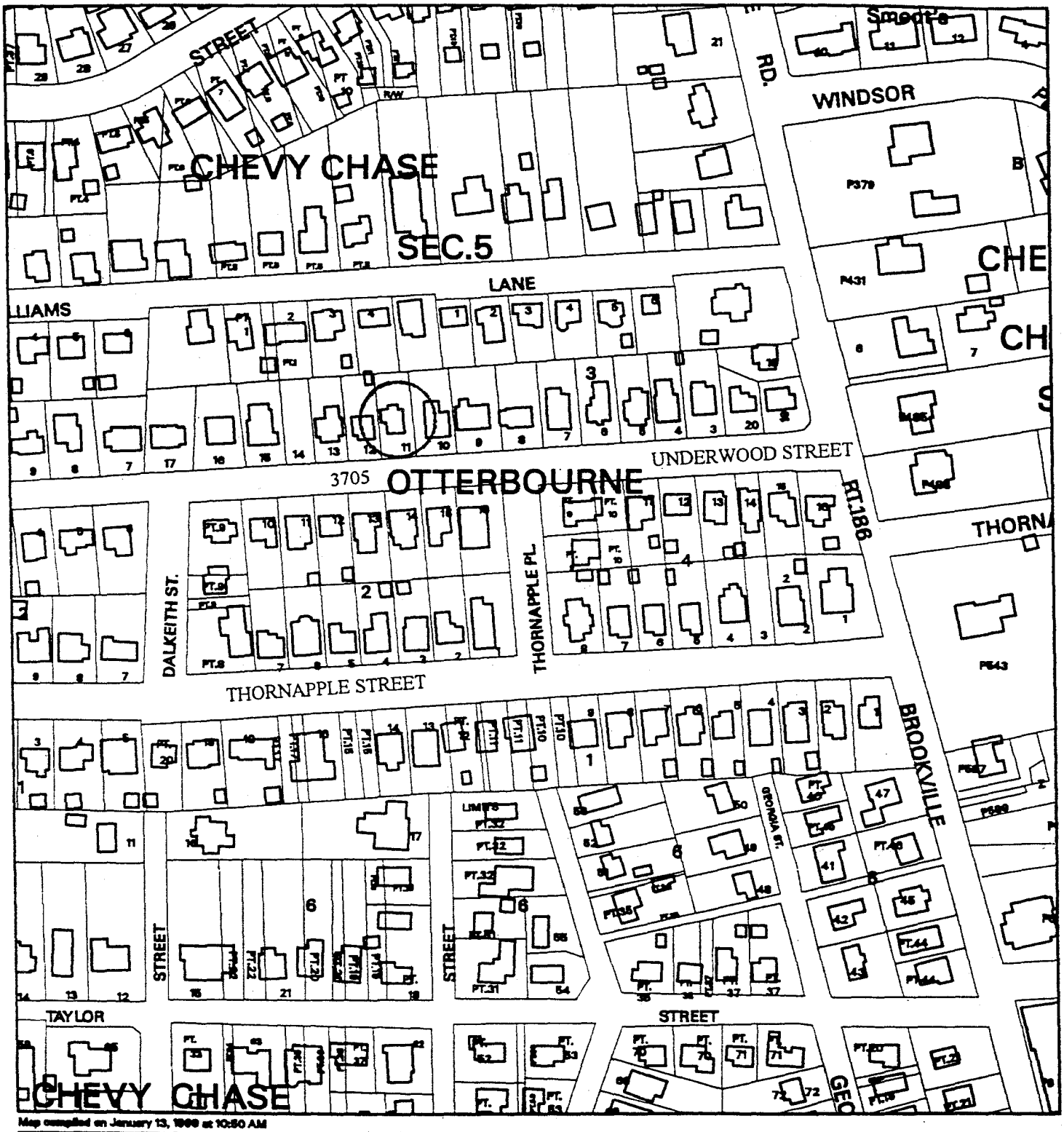
M:35/91 Welsh House (1897)
3705 Underwood Street



M:35-91

VICINITY MAP FOR

OTTERBOURNE



Map compiled on January 13, 1999 at 10:50 AM

NOTICE

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Property lines are compiled by adjusting the property lines to topography created from aerial photography and should not be interpreted as actual field surveys. Planimetric features were compiled from 1:14400 scale aerial photography using stereo photogrammetric methods.

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MONTGOMERY COUNTY DEPARTMENT OF PARK AND PLANNING
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
8787 Georgia Avenue - Silver Spring, Maryland 20910-3760

Key Map

N

0 200

1 : 2400

HardiePlank® Lap Siding Product Description

HardiePlank® lap siding is factory-primed fiber-cement lap siding available in a variety of styles and textures. Please see your local James Hardie® product dealer for product availability. HardiePlank lap siding comes in 12-ft. lengths. Nominal widths from 5 1/4 in. to 12 in. create a range of exposures from 4 in. to 10 3/4 in.

HardiePlank lap siding is also available with ColorPlus® Technology as one of James Hardie's prefinished products. ColorPlus® Technology is a factory applied, oven-baked finish available on a variety of James Hardie siding and trim products. See your local dealer for details and availability of products, colors, and accessories.

The HZ5® product line is right at home in climates with freezing temperatures, seasonal temperature variations, snow and ice. HZ5® boards are the result of our generational evolution of our time-tested products. We've evolved our substrate composition to be specifically designed to perform in conditions found in these climates. To ensure that its beauty matches its durability, we've engineered the surface for higher performance, giving it superior paint adhesion and moisture resistance. In addition, we've added a drip edge to the HardiePlank® HZ5® lap siding product to provide improved water management in conditions specific to HZ5® climates.

Cedarmill©

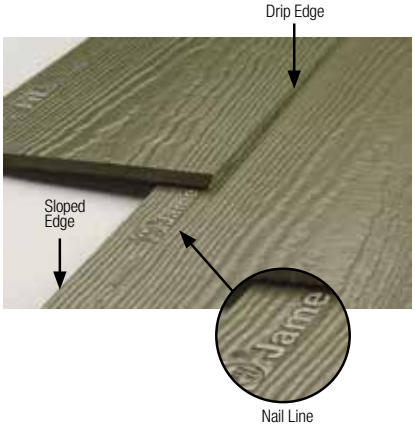
Smooth

Beaded Cedarmill©

Beaded Smooth

Colonial Roughsawn

Colonial Smooth



HardiePlank®

Thickness 5/16 in

Length 12 ft planks

SELECT CEDARMILL® & SMOOTH

Width	5.25 in*	6.25 in	7.25 in	8.25 in
Exposure	4 in	5 in	6 in	7 in
Prime Pcs/Pallet	360	308	252	230
ColorPlus Pcs/Pallet	324	280	252	210
Pcs/Sq	25.0	20.0	16.7	14.3

SELECT CEDARMILL®

Width	5.25 in*	6.25 in	7.25 in	8.25 in
STATEMENT COLLECTION™				✓
DREAM COLLECTION™	✓	✓	✓	✓
PRIME	✓	✓	✓	✓

SMOOTH

Width	5.25 in*	6.25 in	7.25 in	8.25 in
STATEMENT COLLECTION™				✓
DREAM COLLECTION™	✓	✓	✓	✓
PRIME	✓	✓	✓	✓

BEADED CEDARMILL®

BEADED CEDARMILL® & BEADED SMOOTH

Width	8.25 in
Exposure	7 in
ColorPlus Pcs/Pallet	210
Pcs/Sq	14.3
STATEMENT COLLECTION™	
DREAM COLLECTION™	✓
PRIME	

BEADED SMOOTH

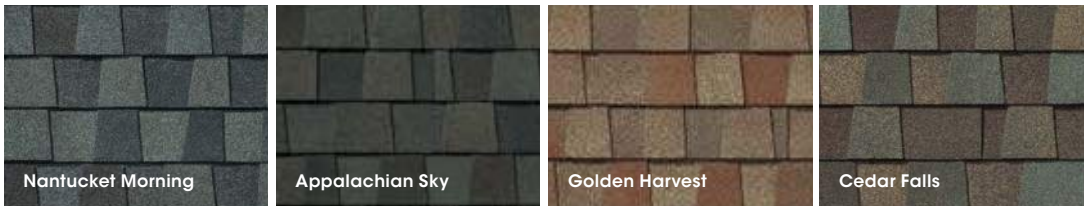
*5.25 in widths not available in Virginia District for HZ5® product zones.

Color Availability

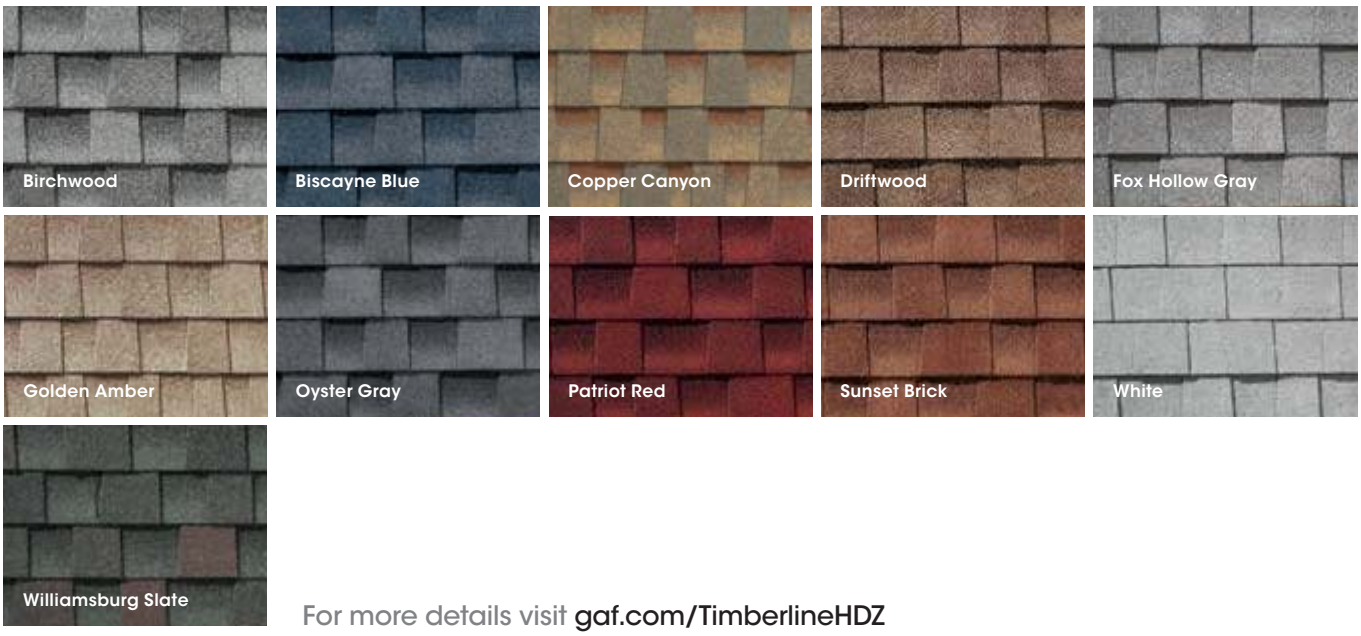
GAF TimberlineHDZ®
High Definition® Lifetime¹ Shingles

Nationally Available Colors

Harvest Blend Colors



Regionally Available Colors (See next page for details.)



For more details visit gaf.com/TimberlineHDZ

Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

TimberTex® and TimberCrest® Premium Ridge Cap Shingles

Hip & Ridge Cap Shingles accentuate the natural beauty of your architectural shingle roof. They're the perfect finishing touch that helps defend against leaks at the hips and ridges.
gaf.com/ridgecaps

TimberTex® and TimberCrest® Premium Ridge Cap Shingles are designed to complement the color of your Timberline® Shingles. To ensure the closest color consistency for your roof, ask your contractor to use genuine TimberTex® or TimberCrest® Premium Ridge Cap Shingles.[1]

- Accentuate the beauty of your newly installed shingle roof
- Protect against leaks and blow-offs at the hip and ridge areas of your roof
- Complement the color of your GAF Shingles with hip and ridge cap shingles manufactured by GAF
- 25-year StainGuard Plus™ Algae Protection Limited Warranty[2] against blue-green algae discoloration uses GAF Time-Release Algae-Fighting Technology to help protect your ridge cap shingles from unsightly stains.

Also available[1]

[1] These products are not available in all areas. See gaf.com/ridgecapavailability for details.
[2] 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions and qualifying products.

Trim

Designed to be used in non-load-bearing applications, TruExterior Trim is suitable for ground and masonry contact and moisture-prone areas, which makes it ideal for exterior trim applications such as fascia, door trim, soffits, rake boards and a variety of other applications. There is no need to prime ends or field cuts. Plus, it can be painted any color. TruExterior Trim accepts common high-quality, exterior-grade fasteners and can be installed using standard woodworking tools and methods.

5/8 Trim Sizes		1X Trim Sizes		5/4 Trim Sizes		2X Trim Sizes	
Nominal	Actual	Nominal	Actual	Nominal	Actual	Nominal	Actual
—	—	—	—	—	—	2 x 2	1-1/2" x 1-1/2"
—	—	1 x 3	3/4" x 2-1/2"	5/4 x 3	1" x 2-1/2"	—	—
5/8 x 4	5/8" x 3-1/2"	1 x 4	3/4" x 3-1/2"	5/4 x 4	1" x 3-1/2"	2 x 4	1-1/2" x 3-1/2"
—	—	1 x 5	3/4" x 4-1/2"	5/4 x 5	1" x 4-1/2"	—	—
5/8 x 6	5/8" x 5-1/2"	1 x 6	3/4" x 5-1/2"	5/4 x 6	1" x 5-1/2"	2 x 6	1-1/2 x 5-1/2"
5/8 x 8	5/8" x 7-1/4"	1 x 8	3/4" x 7-1/4"	5/4 x 8	1" x 7-1/4"	2 x 8	1-1/2" x 7-1/4"
5/8 x 10	5/8" x 9-1/4"	1 x 10	3/4" x 9-1/4"	5/4 x 10	1" x 9-1/4"	2 x 10	1-1/2" x 9-1/4"
5/8 x 12	5/8" x 11-1/4"	1 x 12	3/4" x 11-1/4"	5/4 x 12	1" x 11-1/4"	2 x 12	1-1/2" x 11-1/4"

TruExterior Trim is reversible with woodgrain on one side and a smooth finish on the reverse. Available in a 16' length.

Reversible Smooth/Woodgrain Finish

BOARD-AND-BATTEN SIDING

Whether a Modern Farmhouse design or creating accents on a gable, board-and-batten is one of the hottest trends in home exterior design. And it's easy to create the board-and-batten look using just TruExterior Trim.

TruExterior Trim comes pre-primed and does require paint.

Beadboard

Including single and double profiles, TruExterior Beadboard is ideal for porch ceilings, soffits and decorative wall applications, and allows for a variety of installations, as it can be attached in either parallel or perpendicular directions.

Its “tongue-and-groove” design results in a clean look that can be reversed to offer a contemporary “V-groove” appearance.

Pictured: V-Groove Pattern

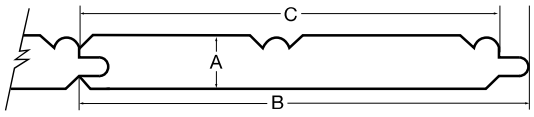
Pictured: Beaded Pattern

SINGLE BEADBOARD

Two distinct beaded patterns—4" and 6"—to suit the most popular design trends. Reversible for a contemporary "V-Groove" appearance.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
5/8 x 4	5/8"	3-15/32"	3-5/32"
5/8 x 6	5/8"	5-5/16"	4-15/16"

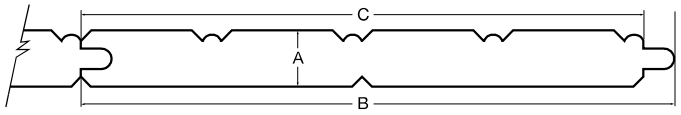


DOUBLE BEADBOARD

The same appearance as the single-profile products, but with twice the coverage. Reversible for a contemporary "V-Groove" appearance.

Smooth Finish

Nominal Size	Actual Thickness (A)	Actual Width (B)	Reveal (C)
5/8 x 8	5/8"	6-9/16"	6-7/32"
5/8 x 12	5/8"	10-1/4"	9-29/32"



TruExterior Beadboard comes pre-primed and does require paint.

Accessories

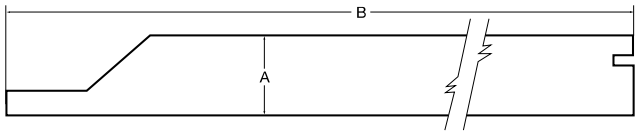
TruExterior Siding & Trim Accessories make it easy to create polished, professional-looking siding and trim installations. Decorative yet functional, the poly-ash accessories are designed to go where other materials can't, making them the perfect complement to cedar, fiber cement and other traditional siding products, as they are suitable for ground and masonry contact.

SKIRT BOARD

Provides a decorative yet functional way to create the required clearance between siding and grade.

Available Finishes:
- *Smooth*
- *Woodgrain*

Nominal Size	Actual Thickness (A)	Actual Width (B)
1 x 6	3/4"	5-1/2"
1 x 8	3/4"	7-1/4"
5/4 x 6	1"	5-1/2"
5/4 x 8	1"	7-1/4"

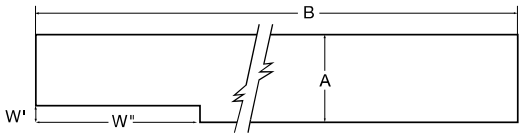


WINDOW POCKET RABBETED TRIM

The rabbeted groove helps trim to sit flush over the window's nailing flange, eliminating the need for cuts or shims.

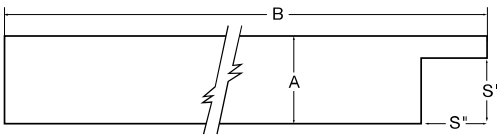
Available Finishes:
- *Smooth*
- *Woodgrain*

Nominal Size	Actual Thickness (A)	Actual Width (B)	Window Pocket (W' x W")
5/4 x 4	1"	3-1/2"	3/16" x 1-7/8"
5/4 x 6	1"	5-1/2"	3/16" x 1-7/8"
5/4 x 8	1"	7-1/4"	3/16" x 1-7/8"



TruExterior Accessories come pre-primed and do require paint.

Nominal Size	Actual Thickness (A)	Actual Width (B)	Siding Pocket (S' x S")
5/4 x 3	1"	2-1/2"	3/4" x 3/4"
5/4 x 4	1"	3-1/2"	3/4" x 3/4"
5/4 x 5	1"	4-1/2"	3/4" x 3/4"
5/4 x 6	1"	5-1/2"	3/4" x 3/4"
5/4 x 8	1"	7-1/4"	3/4" x 3/4"

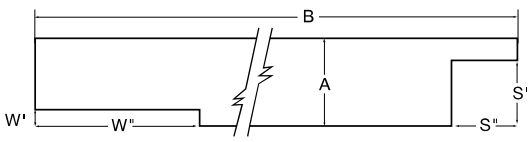


SIDING POCKET RABBETED TRIM

Perfect for end wall terminations, this trim with a 3/4" siding pocket accepts all TruExterior Siding profiles.

Available Finishes:
- *Smooth*
- *Woodgrain*

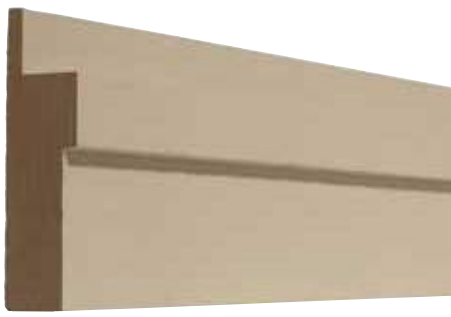
Nominal Size	Actual Thickness (A)	Actual Width (B)	Window Pocket (W' x W")	Siding Pocket (S' x S")
5/4 x 4	1"	3-1/2"	3/16" x 1-7/8"	3/4" x 3/4"
5/4 x 6	1"	5-1/2"	3/16" x 1-7/8"	3/4" x 3/4"
5/4 x 8	1"	7-1/4"	3/16" x 1-7/8"	3/4" x 3/4"



WINDOW AND SIDING POCKET RABBETED TRIM

The ultimate accessory to build a neat, professional-looking window surround.

Available Finishes:
- *Smooth*
- *Woodgrain*



TruExterior Accessories come pre-primed and do require paint.

TruExterior Siding & Trim Reference Guide

SUSTAINABILITY

The sustainable properties of TruExterior Siding & Trim are a result of a combination of proprietary polymer chemistry and highly refined, recovered coal combustion products (fly ash), which are endorsed by the U.S. Green Building Council (USGBC) for use in construction materials.

- Contains a minimum of 70% recycled content—verified by SCS Global Services

CODE LISTINGS

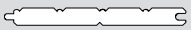
TruExterior Siding & Trim have undergone rigorous internal and third-party testing to provide building officials, architects, contractors, specifiers, designers and others with reliable, high-performing products.

- California's Wildland-Urban Interface (WUI) listed—Beadboard and Trim
- Intertek CCRR-0300

Trim

5/8 Trim Sizes		1X Trim Sizes		5/4 Trim Sizes		2X Trim Sizes	
Nominal	Actual	Nominal	Actual	Nominal	Actual	Nominal	Actual
—	—	—	—	—	—	2 x 2	1-1/2" x 1-1/2"
—	—	1 x 3	3/4" x 2-1/2"	5/4 x 3	1" x 2-1/2"	—	—
5/8 x 4	5/8" x 3-1/2"	1 x 4	3/4" x 3-1/2"	5/4 x 4	1" x 3-1/2"	2 x 4	1-1/2" x 3-1/2"
—	—	1 x 5	3/4" x 4-1/2"	5/4 x 5	1" x 4-1/2"	—	—
5/8 x 6	5/8" x 5-1/2"	1 x 6	3/4" x 5-1/2"	5/4 x 6	1" x 5-1/2"	2 x 6	1-1/2" x 5-1/2"
5/8 x 8	5/8" x 7-1/4"	1 x 8	3/4" x 7-1/4"	5/4 x 8	1" x 7-1/4"	2 x 8	1-1/2" x 7-1/4"
5/8 x 10	5/8" x 9-1/4"	1 x 10	3/4" x 9-1/4"	5/4 x 10	1" x 9-1/4"	2 x 10	1-1/2" x 9-1/4"
5/8 x 12	5/8" x 11-1/4"	1 x 12	3/4" x 11-1/4"	5/4 x 12	1" x 11-1/4"	2 x 12	1-1/2" x 11-1/4"

Beadboard

Single		Double	
			
Nominal Size	Actual	Nominal	Actual
5/8 x 4	5/8" x 3-15/32"	5/8 x 8	5/8" x 6-9/16"
5/8 x 6	5/8" x 5-5/16"	5/8 x 12	5/8" x 10-1/4"

Accessories

Skirt Board		Window Pocket Rabbeted Trim		Siding Pocket Rabbeted Trim		Window and Siding Pocket Rabbeted Trim	
							
Nominal	Actual	Nominal	Actual	Nominal	Actual	Nominal	Actual
1 x 6	3/4" x 5-1/2"	5/4 x 4	1" x 3-1/2"	5/4 x 3	1" x 2-1/2"	5/4 x 4	1" x 3-1/2"
1 x 8	3/4" x 7-1/4"	5/4 x 6	1" x 5-1/2"	5/4 x 4	1" x 3-1/2"	5/4 x 6	1" x 5-1/2"
5/4 x 6	1" x 5-1/2"	5/4 x 8	1" x 7-1/4"	5/4 x 5	1" x 4-1/2"	5/4 x 8	1" x 7-1/4"
5/4 x 8	1" x 7-1/4"			5/4 x 6	1" x 5-1/2"		
				5/4 x 8	1" x 7-1/4"		

Note: All TruExterior Trim, Beadboard, and Accessory products are available in a standard 16' length.

WHITE OR READY-TO-PAINT TRIM
AZEK OFFERS STYLE-BASED SOLUTIONS

Ready-to-Install Classic AZEK® Trim: Crisp, Bright White

The ultimate exterior matchmaker, AZEK Trim comes ready to install in brilliant white with two finish options (smooth and woodgrain) to complement and instantly elevate any surrounding. AZEK Classic Trim can be painted — but because paint is not required for a clean, finished look, installations go faster.

Ready-to-Paint PaintPro Enhanced Trim: The Best Substrate for Paint

If your project requires painting trim, AZEK PVC Trim with PaintPro technology is the perfect choice. Ready to paint. No sanding. No priming. PaintPro Trim maintains the long-lasting, low-maintenance benefits of PVC trim while adding enhanced paintability. Paint bonds securely for lasting adhesion that resists splits, chips, and flakes.

*PaintPro must be painted within 180 days of installation.
Visit AZEKexteriors.com/products/trim/trim-boards/paintpro-trim

AZEK TRIM OUTPERFORMS WOOD TRIM

AZEK Trim is made from 100% engineered polymer to provide a durable, long-lasting building material that is far more resistant to the elements than wood. No sealants are needed on surfaces or cut ends; every inch of our trim is equally protected against moisture. With superior uniformity, durability, workability, beauty, and much more, AZEK PVC Trim is the better choice for exteriors than wood.

	AZEK PVC TRIM	WOOD TRIM
UNIFORMITY		
Square edges	★	★
No knots, no waste; every inch usable	★	
DURABILITY		
Will not rot, split, splinter, delaminate, warp, or swell excessively from moisture	★	
Impervious to moisture and insect-resistant	★	
Suitable for ground and masonry contact	★	
Lifetime limited warranty	★	
Handles easily without breakage	★	★
WORKABILITY		
Use standard woodworking tools	★	★
Safely milled, shaped, and molded without special safety equipment	★	★
Can be heat-formed	★	
Fasten close to edge without predrilling	★	
BEAUTY		
Readily accepts paint*	★	★
Can be crafted for unique applications	★	◭
EXTRAS		
Available in trim boards, sheets, cornerboards, beadboard, and mouldings	★	
Special labor-saving solution profiles available	★	

★ **ALL PRODUCTS MEET CRITERIA**
◭ SOME PRODUCTS MEET CRITERIA

*PaintPro must be painted within 180 days of installation.
Visit AZEKexteriors.com/products/trim/trim-boards/paintpro-trim.

GET FREE TRIM SAMPLES WITH PAINTPRO® TECHNOLOGY

LIFETIME LIMITED
AZEK® EXTERIORS TRIM & MOULDING WARRANTY

CLASSIC AZEK
Available in smooth or woodgrain finish

PAINTPRO TECHNOLOGY
Reversible (one side smooth, one side woodgrain)

Smooth Finish

Woodgrain Finish

All AZEK Trim is long-lasting, moisture-resistant, and keeps its appearance with very little maintenance. Easily mill and router our trim, or heat form it before painting, for exquisite customized or curved applications. Classic AZEK Trim's brilliant white complements any exterior while AZEK Trim with PaintPro® was made to be painted.

PROTECTIVE FILM
KEEPS CLASSIC WHITE TRIM CLEAN

Classic AZEK Trim with protective film is available for smooth and woodgrain finishes. To ensure it looks as beautiful on your client's home as it does when it leaves our facilities, a protective film preserves AZEK Trim's crisp white semi-matte finish.

NOMINAL THICKNESS	NOMINAL WIDTH						
	4	5	6	8	10	12	16
5/4	SW	SW	SW	SW	SW	SW	SW
4/4	SW	SW	SW	SW	SW	SW	SW
5/8	SW	SW	SW	SW	SW	SW	SW

The film protects AZEK Trim through every production phase:

- Shipping
- Repackaging
- Installation
- Storage
- Handling

AZEK Trim with protective film should be kept dry prior to installation. Do not expose film to direct sunlight for extended periods. Protective film can be removed prior to, during, or immediately after installation.

AZEK® TRIM

8/4 X THICKNESS		
NOMINAL	ACTUAL	18'
8/4 x 4	1 ½" x 3 ½"	S
8/4 x 6	1 ½" x 5 ½"	S
8/4 x 8	1 ½" x 7 ¼"	S
8/4 x 10	1 ½" x 9 ¼"	S
8/4 x 12	1 ½" x 11 ¼"	S

6/4 X THICKNESS		
NOMINAL	ACTUAL	20'
6/4 x 4	1 ¼" x 3 ½"	W
6/4 x 6	1 ¼" x 5 ½"	W
6/4 x 8	1 ¼" x 7 ¼"	W
6/4 x 10	1 ¼" x 9 ¼"	W
6/4 x 12	1 ¼" x 11 ¼"	W

5/4 X THICKNESS					
NOMINAL	ACTUAL	12'	16'	18'	20'
5/4 x 4	1" x 3 ½"	SW	P	SW	SW
5/4 x 5	1" x 4 ½"	SW		SW	SW
5/4 x 6	1" x 5 ½"	SW	P	SW	SW
5/4 x 8	1" x 7 ¼"	SW	P	SW	SW
5/4 x 10	1" x 9 ¼"	SW	P	SW	SW
5/4 x 12	1" x 11 ¼"	SW	P	SW	SW
5/4 x 16	1" x 15 ¼"	SW	P	SW	SW

4/4 X THICKNESS				
NOMINAL	ACTUAL	12'	16'	18'
1 x 2	¾" x 1 ½"		P	SW
1 x 3	¾" x 2 ½"		P	
1 x 4	¾" x 3 ½"	SW	P	SW
1 x 5	¾" x 4 ½"	SW		SW
1 x 6	¾" x 5 ½"	SW	P	SW
1 x 8	¾" x 7 ¼"	SW	P	SW
1 x 10	¾" x 9 ¼"	SW	P	SW
1 x 12	¾" x 11 ¼"	SW	P	SW
1 x 16	¾" x 15 ¼"	SW	P	SW

5/8 X THICKNESS		
ACTUAL	12'	18'
5/8" x 3 ½"	SW	SW
5/8" x 5 ½"	SW	SW
5/8" x 7 ¼"	SW	SW
5/8" x 9 ¼"	SW	SW
5/8" x 11 ¼"	SW	SW
5/8" x 15 ¼"	SW	SW

Smooth Finish (S)

Woodgrain Finish (W)

PaintPro Technology (P)

PaintPro Sheet | Sheet | ATM Sheet

AZEK SHEET

Applications over 16" wide are easy with AZEK Sheet. Use Sheet for bay windows, dormers, and raised panels.

SHEET					
ACTUAL	8'	10'	12'	18'	20'
3/8" x 4'	SW	SW	S	S	
½" x 4'	SWP	SWP	SP	S	
5/8" x 4'	S	S	S	S	
¾" x 4'	SWP	SWP	S	S	
1" x 4'	S	S	S	S	S

AZEK-TO-MILL (ATM)

ATM's thick profile makes it an ideal material for fabrication. Its consistent density offers a superior product for milling operations.

AZEK-TO-MILL					
ACTUAL	8'	10'	12'	18'	20'
1 ¼" x 9 ¼"				S	
1 ½" x 3 ½"				S	
1 ½" x 5 ½"				S	
1 ½" x 7 ¼"				S	
1 ½" x 9 ¼"				S	
1 ½" x 11 ¼"				S	
1 ¼" x 48" Sheet	S				
1 ½" x 48" Sheet	S	S	S		S

AZEK® MOULDING

With over 30 different profiles to mix and match, you can customize any build with a distinctive look.

BED MOULDING
Similar to crown moulding, a bed mould is used to cover the joint between the ceiling and wall.

RAMS CROWN
Consider installing Rams Crown at the top of a column or post, or use in place of a crown for a distinctive look.

CROWN MOULDING
Crown Moulding is used for a classic look, bridging the corner between the wall and ceiling.

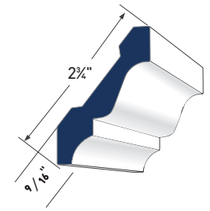
BAND MOULDING
Band Moulding can be used alone or added to the base of a crown for a premium finish.

THE MOST BEAUTIFUL, HIGH-PERFORMANCE MOULDING LINE AVAILABLE

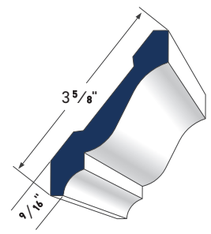
With crisp, architectural details reminiscent of premium wood mouldings, high-performance AZEK® Moulding will last beautifully without the maintenance hassles associated with wood. Backed by AZEK's promise of high quality and lasting performance, AZEK Moulding will retain a like-new appearance despite the tests of time and weather. AZEK Moulding offers greater stability and predictability when fastening. Unlike traditional wood moulding, AZEK Moulding resists moisture and insect damage and will not rot or split.

CROWN PROFILES

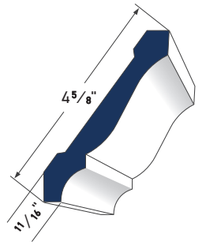
Crown moulding profiles are typically decorative mouldings designed for use along the intersection of a wall or ceiling. They may be combined with other mouldings to create a built-up profile.



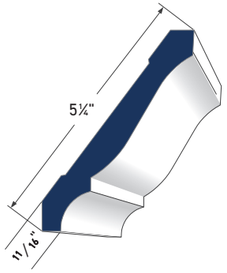
3" CROWN AZM-52
LENGTH: 16'



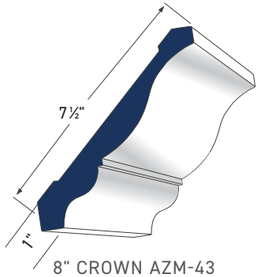
4" CROWN AZM-49
LENGTH: 16'



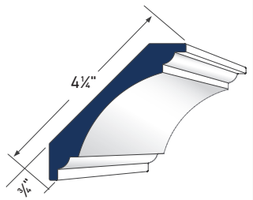
5" CROWN AZM-47
LENGTH: 16'



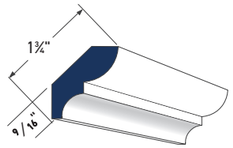
6" CROWN AZM-45
LENGTH: 16'



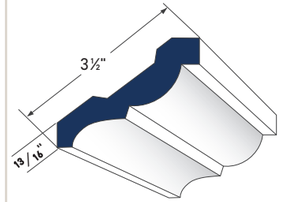
8" CROWN AZM-43
LENGTH: 16'



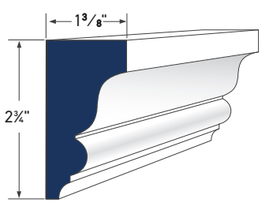
COVE MOULDING AZM-80
LENGTH: 16'



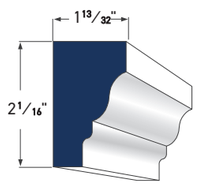
BED MOULDING AZM-75
LENGTH: 16'



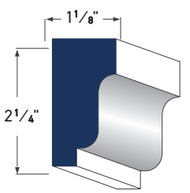
3 ½" BED MOULDING AZM-28
LENGTH: 16'



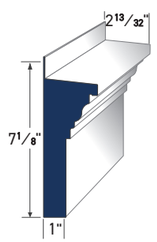
IMPERIAL RAKE CROWN
AZM-6937
LENGTH: 16'



RAMS CROWN
AZM-6934
LENGTH: 16'



SOLID CROWN
AZM-7954
LENGTH: 16'

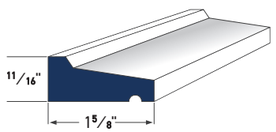


CROSSHEAD PEDIMENT
AZM-6216
LENGTH: 18'

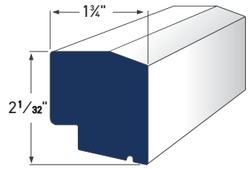
DETAIL & SILL/DRIP PROFILES

AZEK® Drip profiles can be used as a water table or brick ledge for separation and watershed against two different materials. AZEK Sill profiles shed water and offer architectural detail.

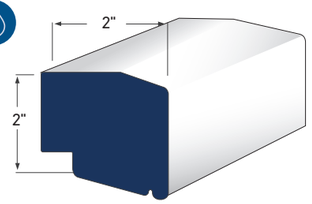
Denotes Water Management Drip Edge



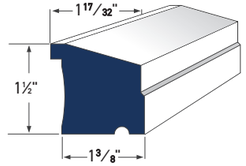
DRIP CAP AZM-197
LENGTH: 16'



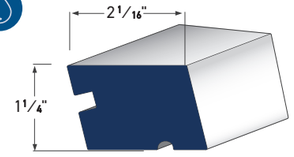
HISTORIC SILL AZM-6930
LENGTH: 16'



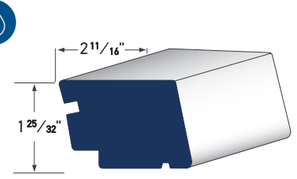
LARGE SILL NOSE AZM-7979
LENGTH: 16'



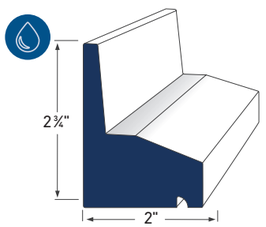
SUB SILL NOSE AZM-6933
LENGTH: 16'



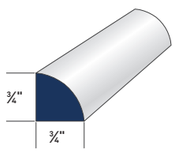
WINDOW SILL NOSE AZM-7974
LENGTH: 12'



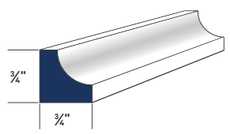
LARGE HISTORIC SILL AZM-7958
LENGTH: 16'



WATER TABLE AZM-6935
LENGTH: 18'



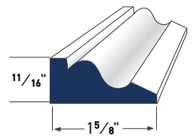
QUARTER ROUND AZM-105
LENGTH: 16'



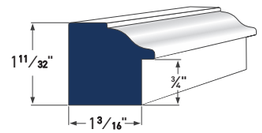
SCOTIA AZM-93
LENGTH: 16'

CASING PROFILES

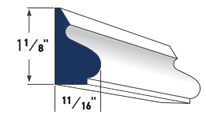
Use AZEK® Casing Profiles as decorative moulding against a wall, door, or window to create surrounds. Elevate your framing with style and durability.



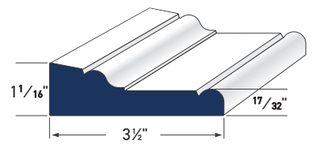
BAND MOULDING AZM-217
LENGTH: 16'



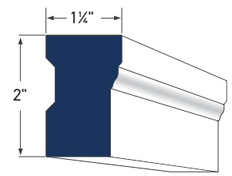
BACK BAND AZM-6931
LENGTH: 16'



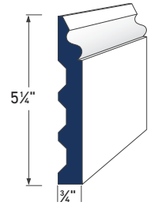
BASE CAP AZM-164
LENGTH: 16'



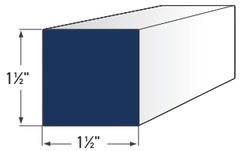
ADAMS CASING AZM-97
LENGTH: 16'



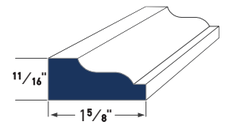
BRICK MOULD AZM-180
LENGTHS: 16', 17' and 18'*



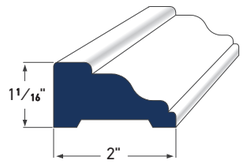
COLONIAL BASE CAP AZM-163
LENGTH: 16'



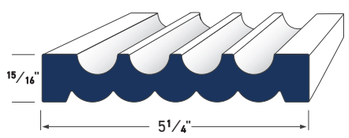
SQUARE PROFILE AZM-236
LENGTH: 12'



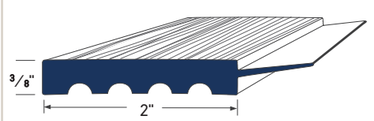
SHINGLE MOULD AZM-210
LENGTH: 16'



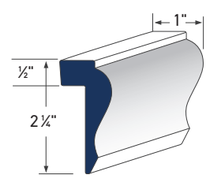
RAKE MOULDING AZM-287
LENGTH: 16'



FLUTED/REEDED AZM-606
LENGTH: 16'



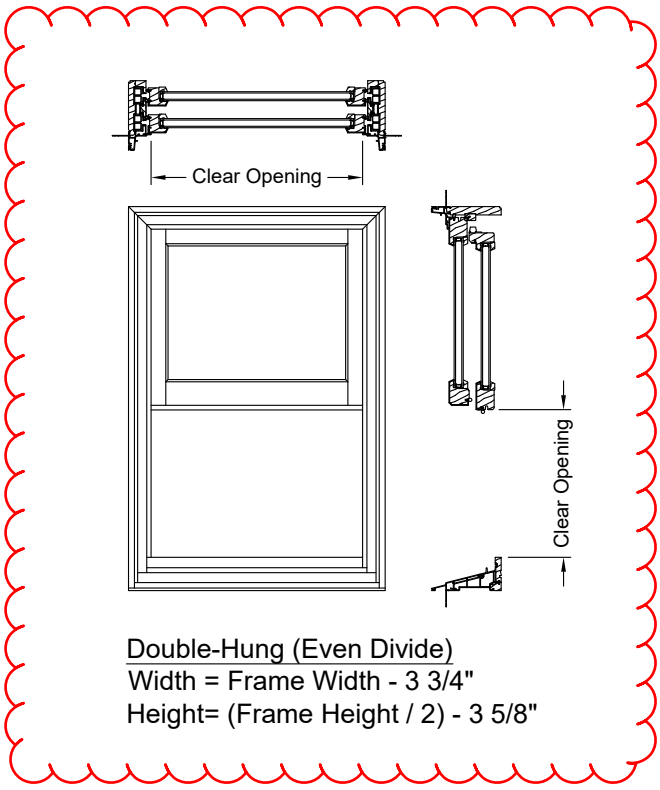
GARAGE DOOR THERMOSTOP
AZM-6936 LENGTHS: 7', 9', and 16'



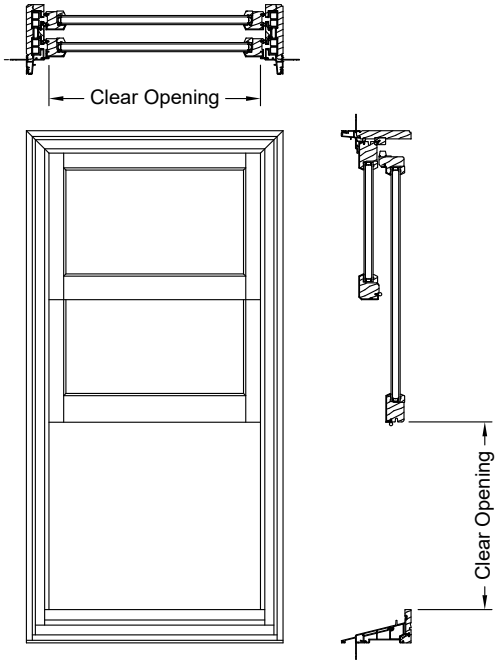
WAINSCOT CAP AZM-284
LENGTH: 16'

*18' Brick Mould (AZM-180) is available in full units only and cannot be ordered via the Pick & Pack program.

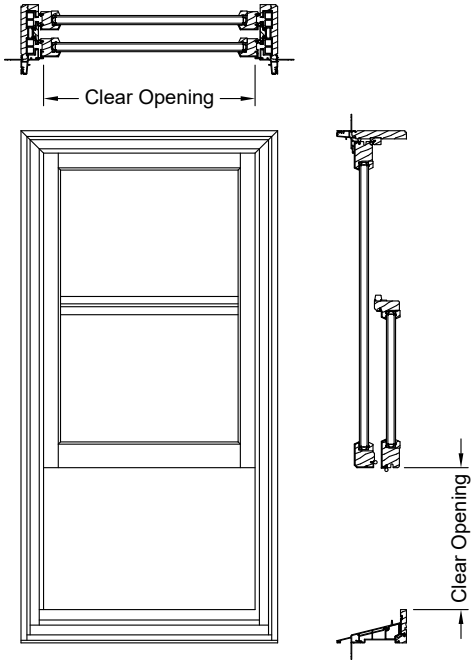
CLEAR OPENING LAYOUT



Double-Hung (Even Divide)
Width = Frame Width - 3 3/4"
Height= (Frame Height / 2) - 3 5/8"

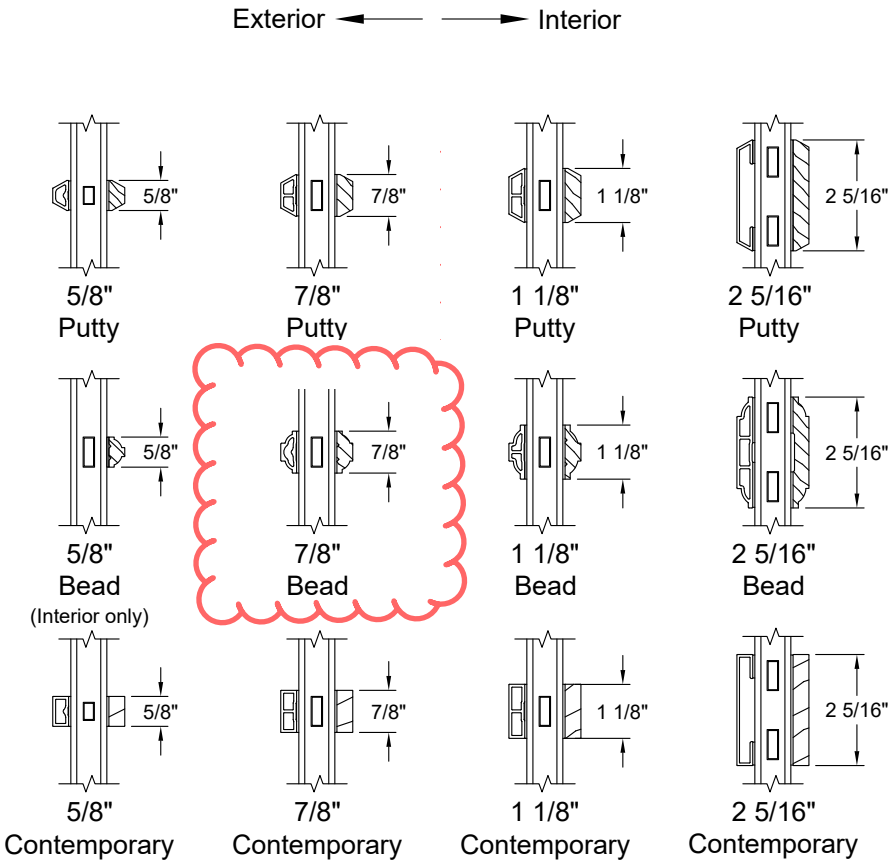


Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 8 5/32"

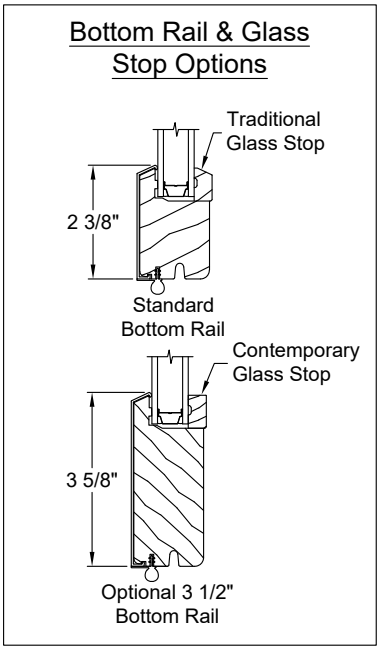


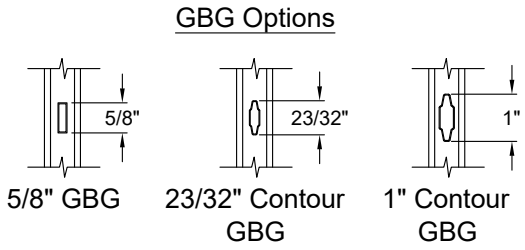
Reverse Cottage Double-Hung
Width = Frame Width - 3 3/4"
Height = (Frame Height / 2) - 7 29/32"

GRID, BOTTOM RAIL & GLASS STOP OPTIONS

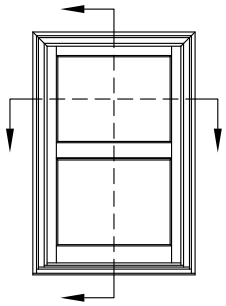


Various Combinations of the SDL Bars Shown are Available

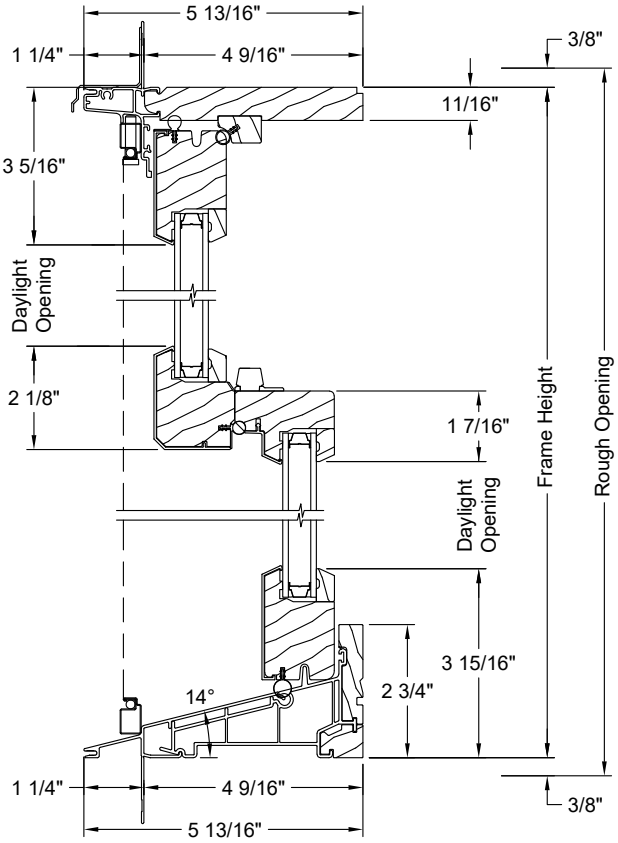


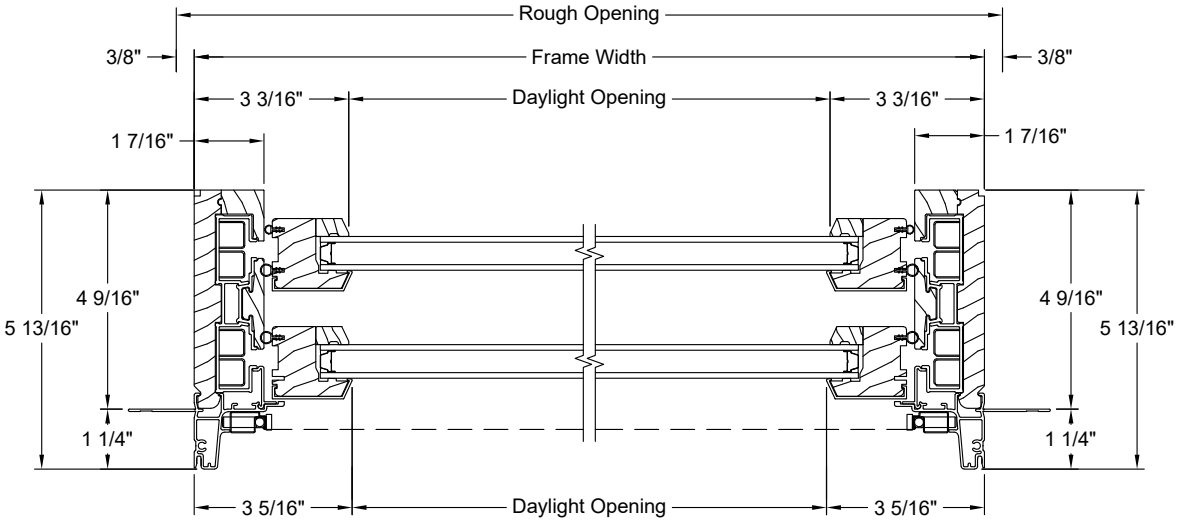


OPERATOR SECTIONS



Not To Scale - Reference Only

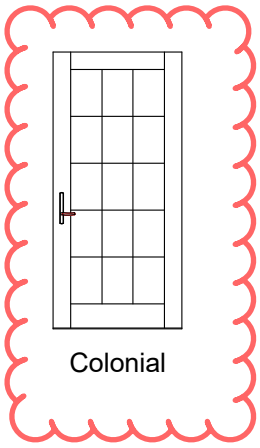




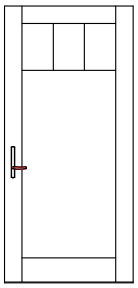
GRID PATTERNS

Siteline® Clad-Wood Inswing Patio Doors are available with Grilles Between Glass (GBG), or Simulated Divided Lites (SDL) in various widths and styles. The standard grid patterns are shown below.

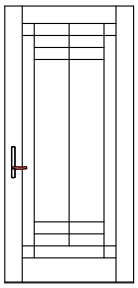
Special grid patterns can include a wide variety of straight line and radius patterns. Non-standard patterns are subject to factory approval.



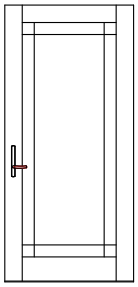
Colonial



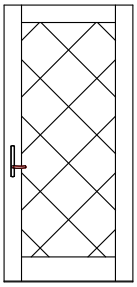
Colonial From Top Down



Uneven



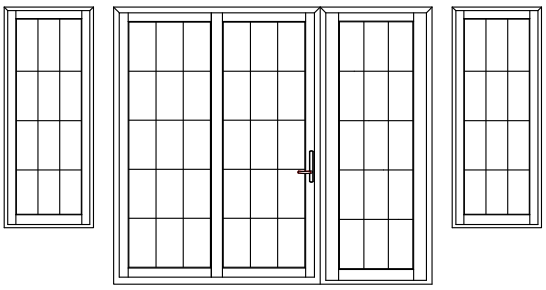
Prairie



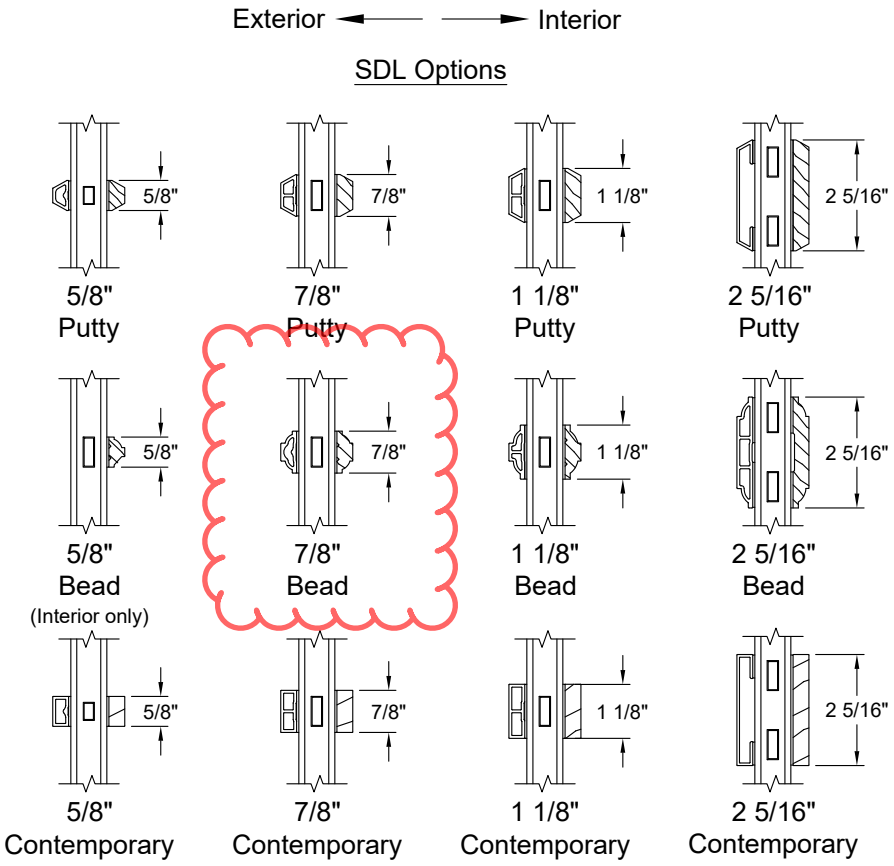
Diamond

Bar Alignment

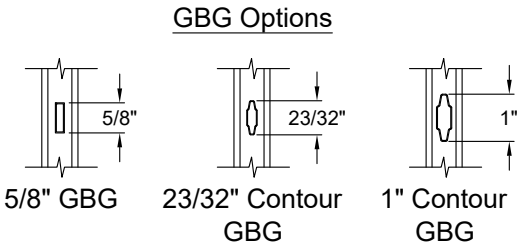
Alignment of bars from patio door to window is often required. SDL, GBG, and wood grilles may be specified with bars aligned.



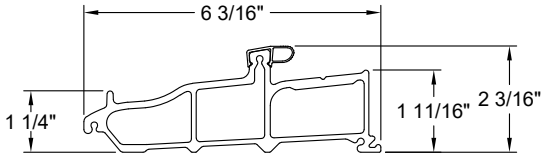
GRID OPTIONS



Various Combinations of the SDL Bars Shown are Available

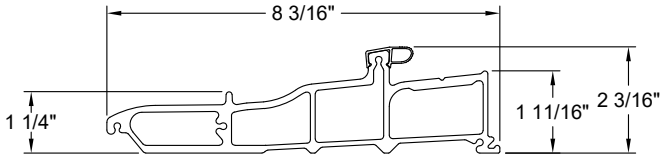


SILL OPTIONS



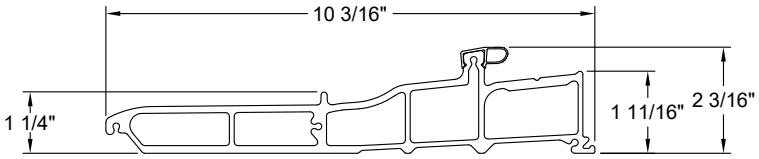
4 9/16" Hydrolock™ Sill

Used on jambs greater than or equal to 4 9/16" and less than 5 1/4"



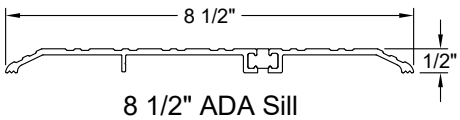
6 9/16" Hydrolock™ Sill

Used on jambs greater than or equal to 5 1/4" and less than 7 1/4"



8 9/16" Hydrolock™ Sill

Used on jambs greater than or equal to 7 1/4" and less than or equal to 9 1/4"

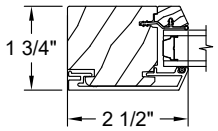


8 1/2" ADA Sill

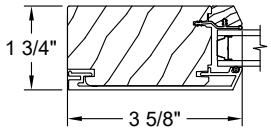
Used on ADA jambs greater than or equal to 4 9/16". Maximum jamb width with ADA sill is 5 5/16".

STILE, BOTTOM RAIL, GLASS STOP & JAMB EXTENDER OPTIONS

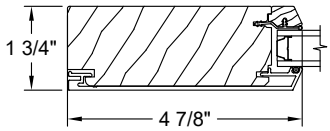
Stile Options



Sidelite Stile

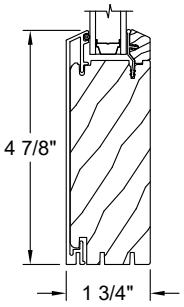


Narrow Stile

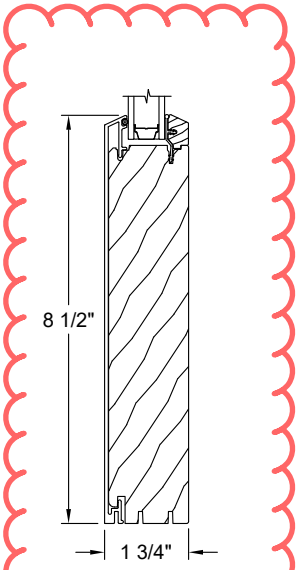


Wide Stile

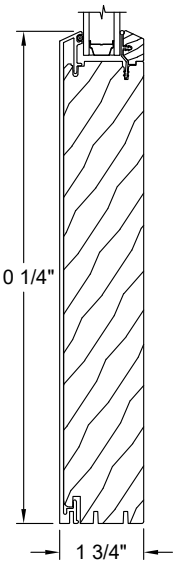
Bottom Rail Options



4 7/8" Contemporary

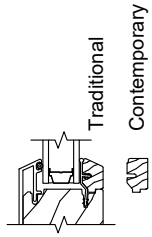


8 1/2" Standard

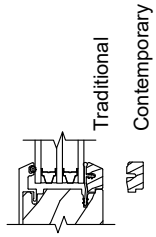


10 1/4"

Glass Stop Options

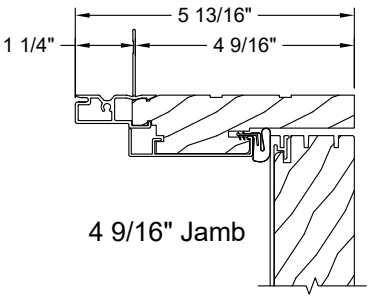


Standard Glaze

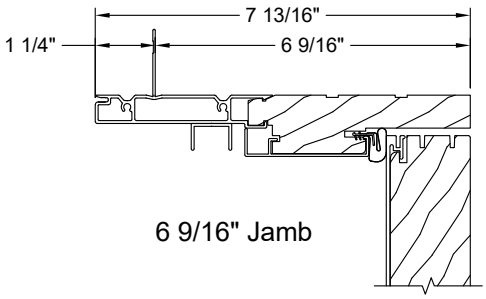


Triple Glaze

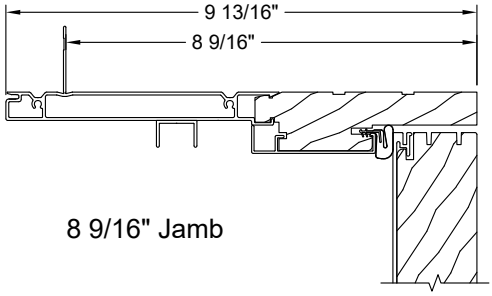
Jamb Extender Options



4 9/16" Jamb



6 9/16" Jamb



8 9/16" Jamb

Note: Triple Glazed units use different cladding and glass stops than standard units.

RAISED PANEL OPTIONS

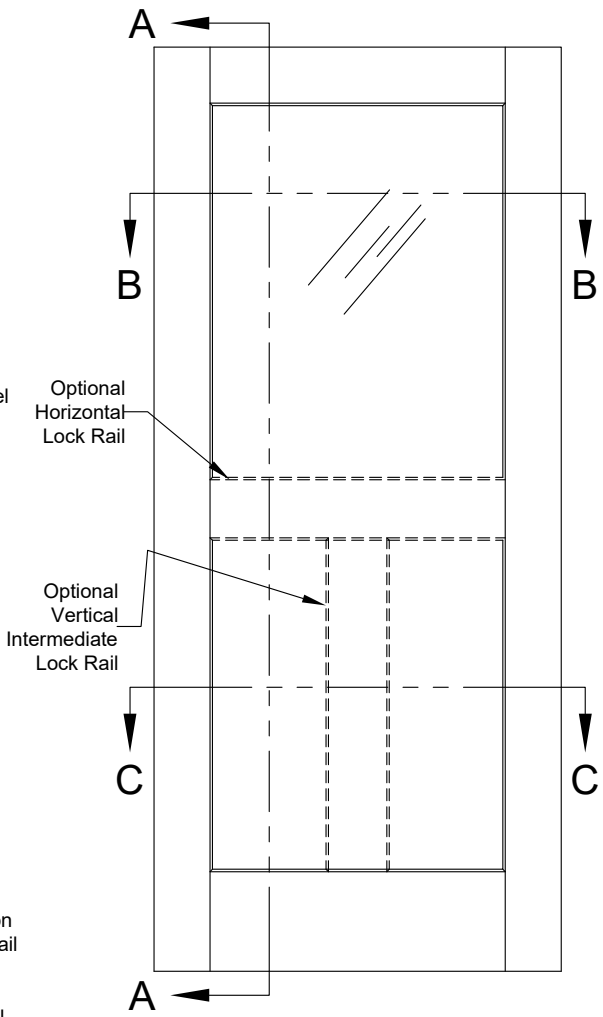
Section A-A

Standard Glazed Panel

Standard Glazed Panel
With Optional
Horizontal Lock Rail

Craftsman Panel Option
With Horizontal Lock Rail
Glass Above
Panels Below
Interior - Flat Panel
Exterior - Flat Panel

Craftsman Panel Option
With Horizontal Lock Rail
Glass Above
Panels Below
Interior - Raised Panel
Exterior - Flat Panel



Section B-B

All Glass Panel Or Glass Above
Optional Horizontal Lock Rail

Section C-C

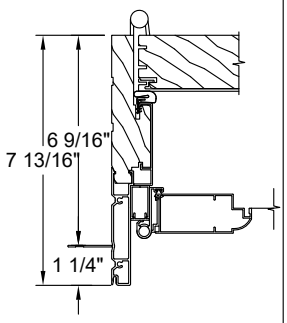
All Glass Panel Or Glass Below
Optional Horizontal Lock Rail

Raised Panel Interior
Flat Panel Exterior

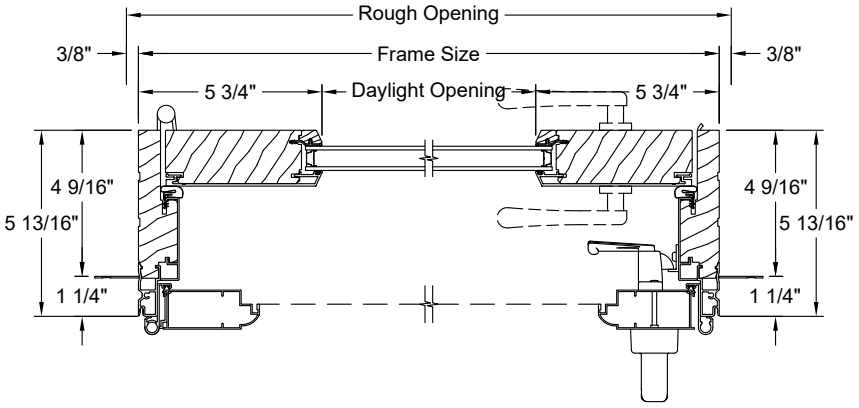
Flat Panel Interior/Exterior

HORIZONTAL OPERATOR SECTIONS - HINGED SCREEN

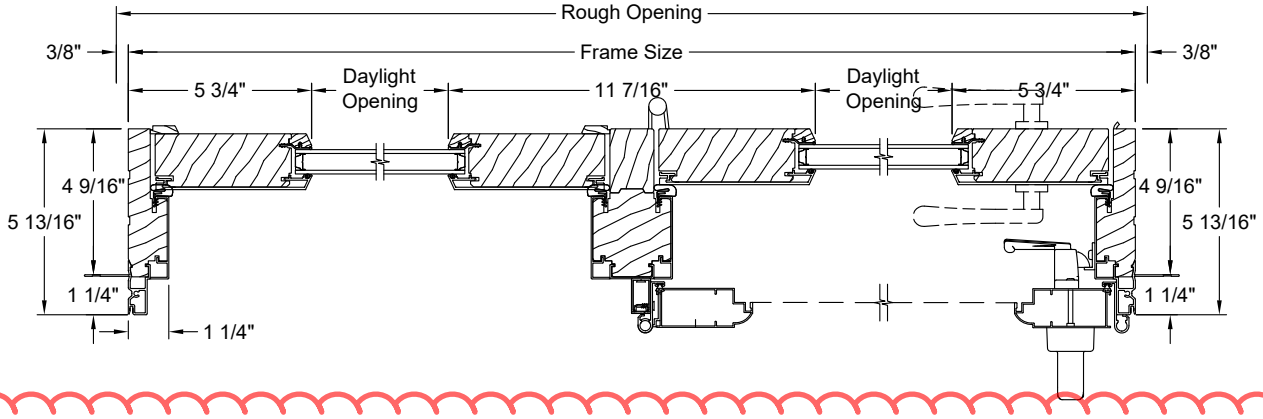
Jamb & head section for jambs 6 9/16" or greater.



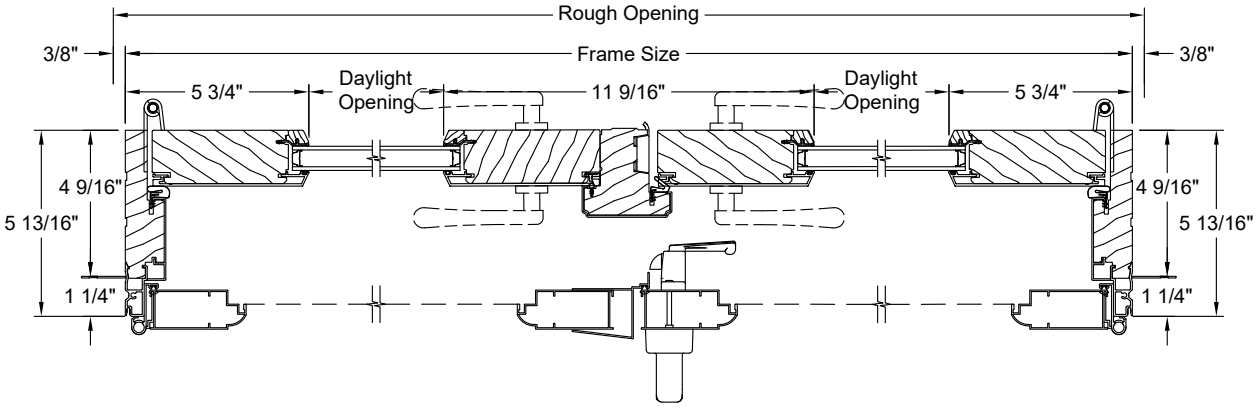
Single Panel



2 Panel

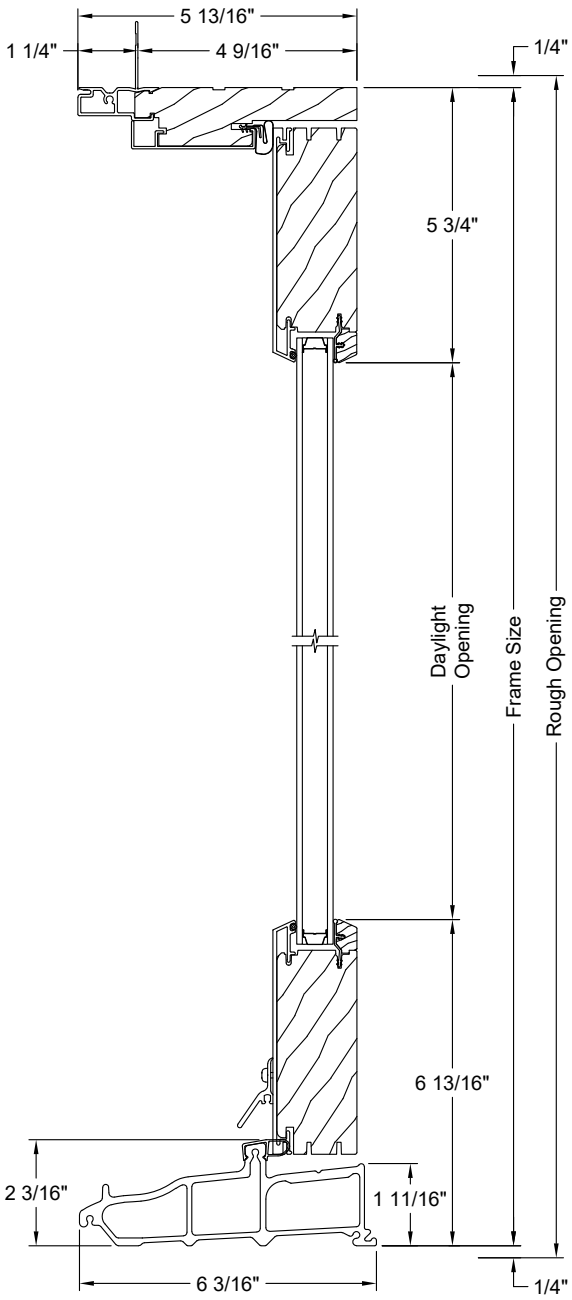


2 Panel French Door

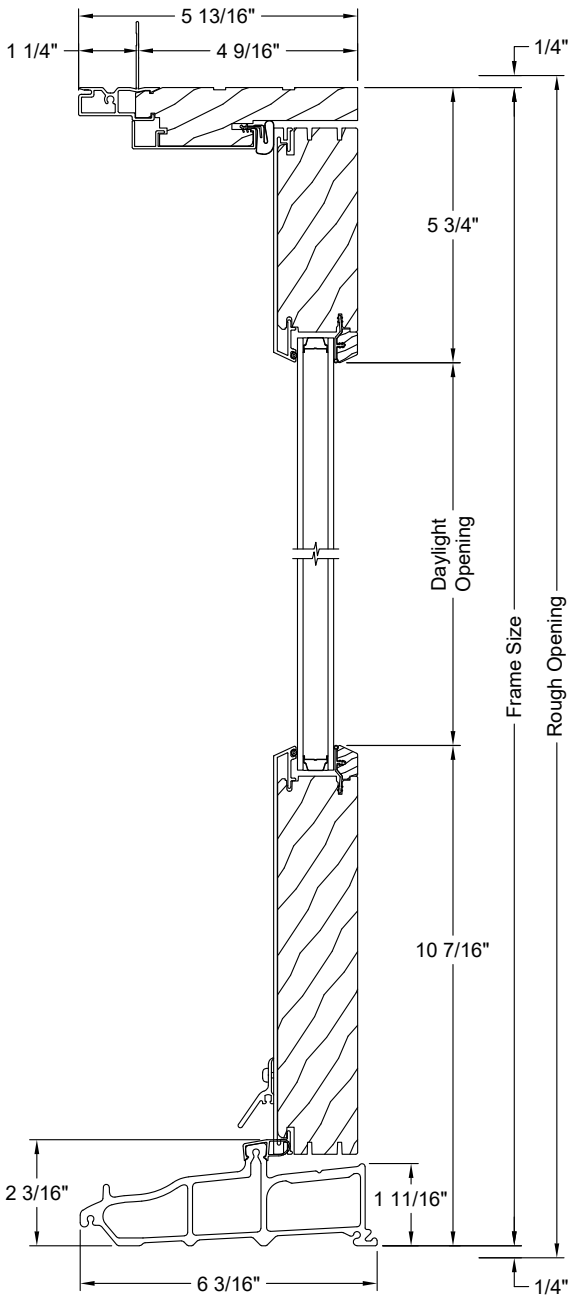


Notes:
- Screen shown on wide stile units; other options are available.
- Sections shown for 4 9/16" jamb depth; sections vary for other depths.

VERTICAL OPERATOR SECTIONS - CONTEMPORARY & STANDARD



4 7/8" Contemporary
Bottom Rail



8 1/2" Standard
Bottom Rail

Hampton RS40
EXTRUDED RAIL

An Economical Rail Solution with Performance Superior to Composite Railing

Hampton Flat with Chamfered Newel & Column Wraps

UNIQUE HAMPTON RAIL FEATURES

- Standard kits ship with solid 1 ¼" square-edge balusters
- FSC Certified Mahogany Cap upgrade available for both hampton profiles!

RAIL ASSEMBLY JIG

Our reusable rail assembly jig is designed specifically to help reduce installation times and labor cost. The Assembly Jig makes it easier to align, center and space balusters.

LONGER, CODE COMPLIANT SPANS

Meets commercial requirements of International Building Code (IBC) and International Residential Code (IRC) for level spans up to 10 feet and stair spans up to 8 feet.

POPULAR UPGRADES FOR HAMPTON:

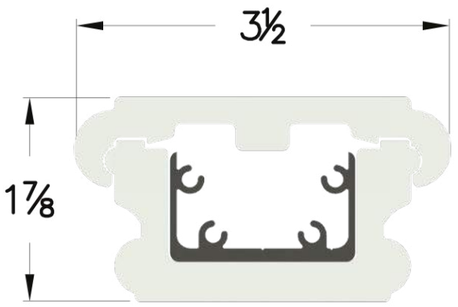
Mahogany Top Cap

Decorative Panels

Radius Rail

3-Line Rail

Details For All Available Rail Upgrades Start On Page 16



HAMPTON RS40350F

Beverage Friendly Top

Hampton Flat is our most popular profile in a beverage-friendly detail. This profile is available as our standard Cellular PVC flat profile or a Mahogany flat profile upgrade.

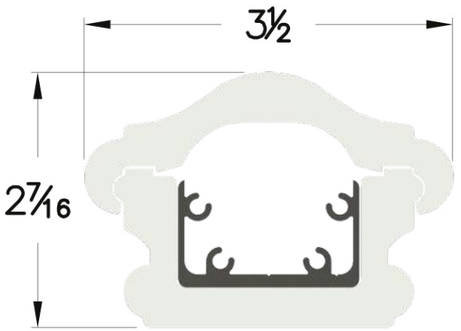
PRICE RANGE:

Installation:

CODE COMPLIANCE Intertek CCRR-0155

RS40 Hampton Kits	6' Length	8' Length	10' Length	12' Length
36" Height	✓	✓	✓	×
42" Height	✓	✓	✓	×
Stair Application	✓	✓	×	×

GET AN INSTANT QUOTE!
INTEXMILLWORK.COM



HAMPTON RS40350P

Traditional Rail Style

Our Peaked Hampton profile brings an added touch of historic detail with its rounded design. This profile is available as our standard Cellular PVC peaked profile or a Mahogany peaked profile upgrade.

PRICE RANGE:

INSTALLATION:

CODE COMPLIANCE Intertek CCRR-0155

Background Image: Hampton Peaked with Radius Bends, & 5" Newel Wraps

Radius Rail
RAIL UPGRADES

Guaranteed Custom Radius Fit with Our Radius Rail Template Kit!


Nautilus 20500 3-Line Rail with Radius Bends, Chamfered 2" Balusters, Recessed Panel Newel Wraps

CUSTOM IN-HOUSE RADIUS BENDS

We are proud to offer in-house Radius Rail arcs from 6ft, 8ft, and 10ft rail spans. For stairway applications 6ft and 8ft spans are available

THE INTEX GUARANTEE

We guarantee the Radius Rail fit when the INTEX Radius Rail Template Kit is used. Call 856-293-4100 to order a Radius Rail Template Kit!

RADIUS RAIL AVAILABILITY

	Level Rail			Stair Rail	
	6'	8'	10'	6'	8'
Liberty	✓	✓	✓	✓	✓
Hampton	✓	✓	✓	✓	✓
Providence	✓	✓	✓	✓	✓
Dartmouth	✓	✓	✓	✓	✓
Nautilus	✓	✓	✓	×	×

SCAN FOR VIDEO GALLERY!
Then scroll to the "Rail Templating" section for Radius Rail tutorials!

Background Image: Nautilus 20500 3-Line Rail with Radius Bends, Chamfered 2" Balusters, Recessed Panel Newel Wraps

Gates
RAIL UPGRADES

Gates for INTEX Rail Systems are reinforced with welded aluminum frames, crafted with no open cells and are available using any of our standard rail profiles. Available as single or double gates. INTEX Gates cannot be trimmed or cut to size.


Liberty Gates


Hampton Gates
Providence Gates


Dartmouth Gates

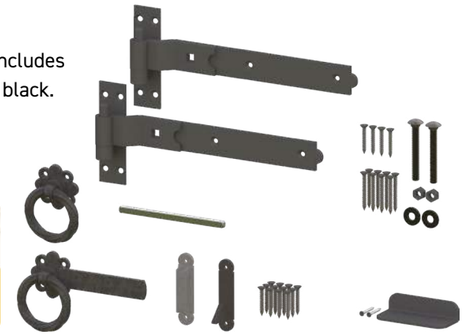

Nautilus Custom Gates


Hampton Flat with Double Gate & 5" Newel Wraps

GATE HARDWARE

INTEX Rail Gate Mounting Hardware set includes Two 12" Band Hinges, Latch & Stop, all in black.

A. Face-Mount Hardware Application
B. In-Line Hardware Application



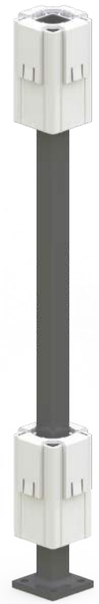
Structural Posts
NEWEL WRAPS

GET AN INSTANT QUOTE!
INTEXMILLWORK.COM

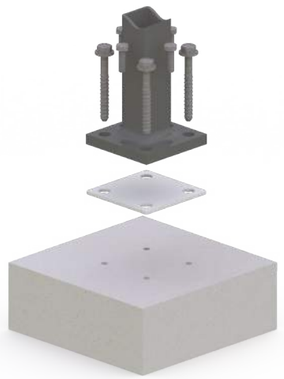
POST-MOUNT & HARDWARE

- Structural Post System requires 2 items to complete; NEWELPOST36/42 (Structural Post) along with one of the following:
  - NEWELMOUNT-W (through bolt detail) **OR**
  - NEWELMOUNT-C (lag bolt detail)
- Includes #10 x 1-1/2" Rail Attachment Screws for proper fastening of rail to post
- Works for 36" & 42" level rail heights, and 36" stair rail heights
- Includes Injection Molded Compression Shims for easy use with NEWEL5 & NEWEL5-EX
- Salt Spray tested for coastal application

	Liberty	Hampton	Providence	Dartmouth	Nautilus
Structural Posts	✓	✓	✓	✓	✓



NEWELPOST36/42
POST MOUNT WITH GUIDES



NEWELMOUNT-C
POST MOUNT HARDWARE KIT FOR CONCRETE APPLICATION

NEWELMOUNT-W
POST MOUNT HARDWARE KIT FOR WOOD APPLICATION

Fabricated & Extruded
NEWEL WRAPS

GET AN INSTANT QUOTE!
INTEXMILLWORK.COM

IMPC5 works with NEWEL5-EX & NEWEL5

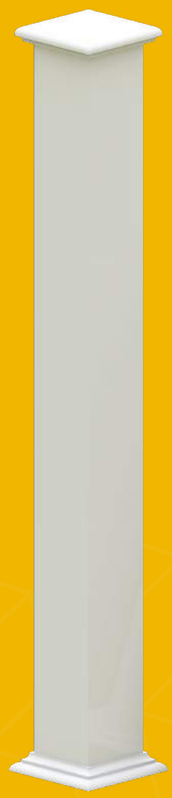
NCFLAT5 works with NEWEL5-EX & NEWEL5
NCFLAT6.5 works with NEWEL6.5

NCPYRAMID5 works with NEWEL5-EX & NEWEL5
NCPYRAMID6.5 works with NEWEL6.5

NCHAR5 works with NEWEL5-EX & NEWEL5
NCHAR6.5 works with NEWEL6.5

NEWEL SHAFT ONLY

NEWEL5-EX WITH IMPC5 & IMTR5



NEWEL5 WITH NCFLAT5 & NBTR5

NEWEL6.5 WITH NCPYRAMID6.5 & NBTR6.5

NOTE: Newel Wraps, Caps and Trim Rings are sold separately. These renders depict common Cap & Trim Ring scenarios/compatibility for Fabricated & Extruded Newel Wraps.

IMTR5 works with NEWEL5-EX & NEWEL5

NBTR5-EX works with NEWEL5-EX
NBTR5 works with NEWEL5
NBTR6.5 works with NEWEL6.5

EUROPEAN COPPER
BY JACK ARNOLD

PAWN

EUROPEAN COPPER
BY JACK ARNOLD

BISHOP II

EUROPEAN COPPER
BY JACK ARNOLD

BISHOP

EUROPEAN COPPER
BY JACK ARNOLD

KNIGHT II

EUROPEAN COPPER
BY JACK ARNOLD

KNIGHT

EUROPEAN COPPER
BY JACK ARNOLD

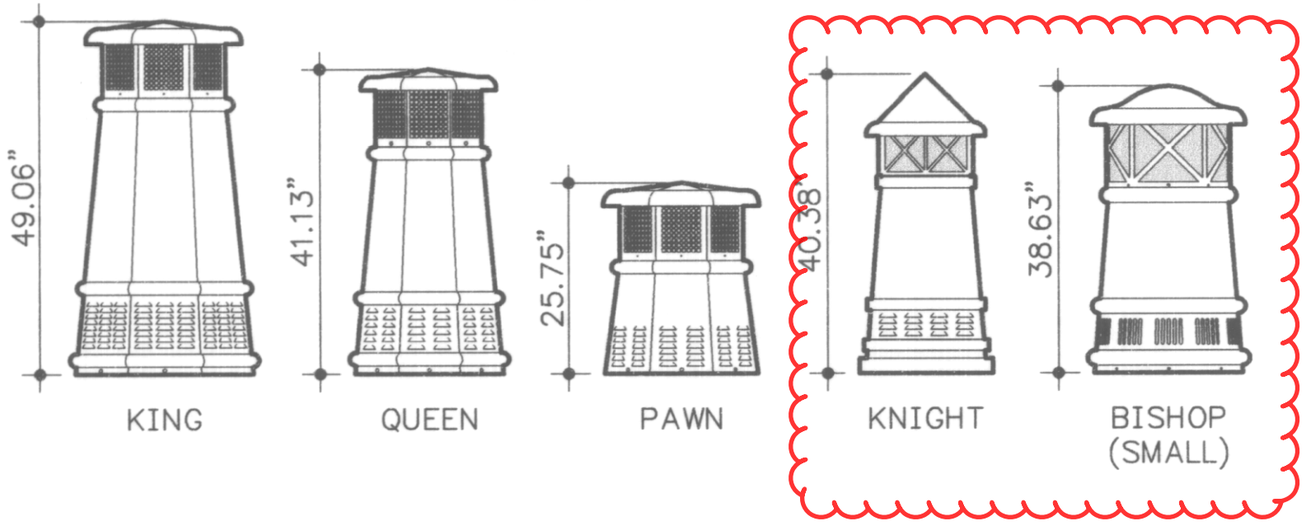
QUEEN

EUROPEAN COPPER
BY JACK ARNOLD

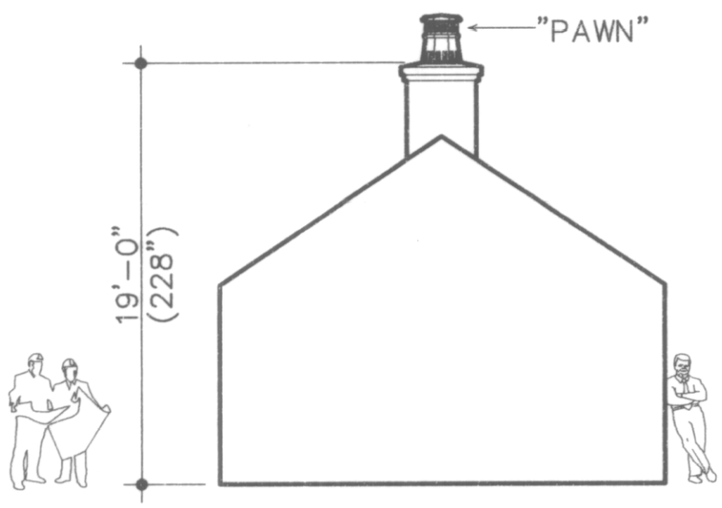
KING

RECOMMENDED SELECTIONS BASED ON CHIMNEY HEIGHT

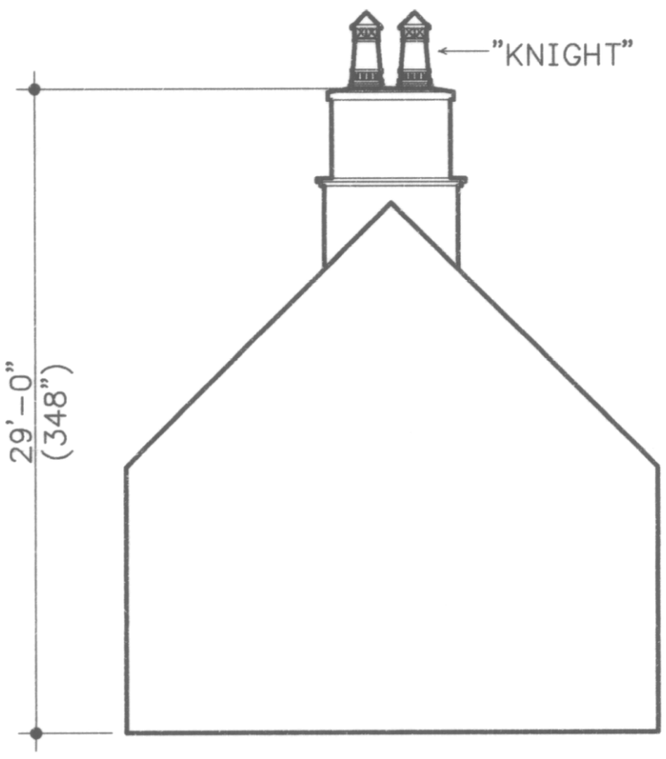
AVAILABLE MODELS



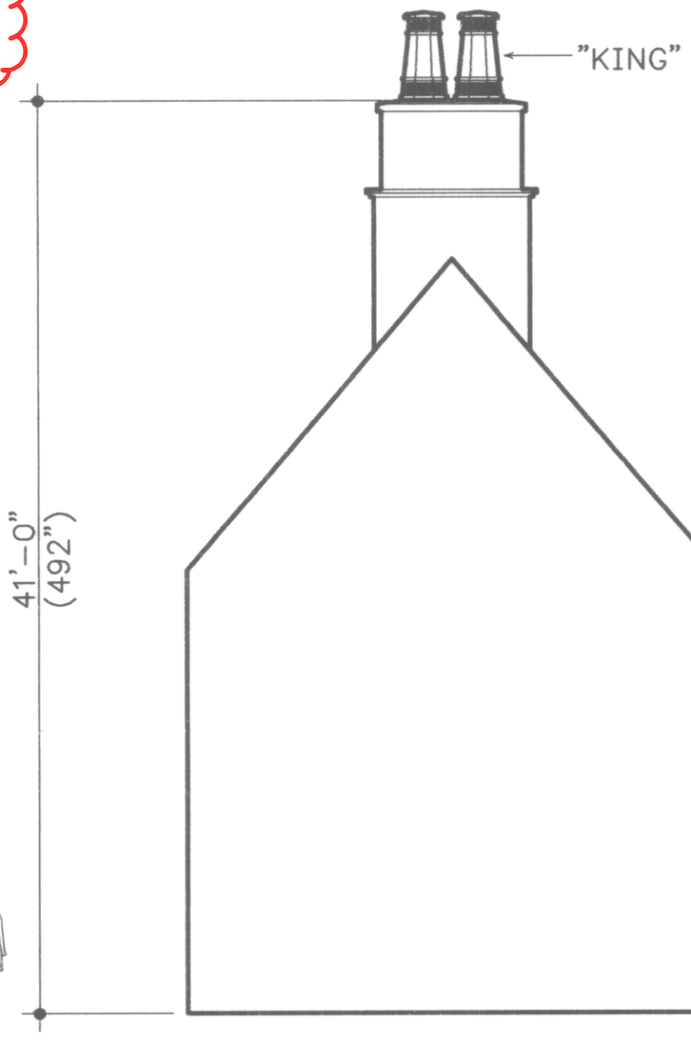
FOR ASTHETIC REASONS, EUROPEAN COPPER RECOMMENDS USING A CHIMNEY POT THAT IS APPROXIMATLY 9% – 15% OF THE HEIGHT OF THE CHIMNEY ON WHICH IT IS TO BE INSTALLED.



EXAMPLE "A"
HEIGHT OF PAWN IS 25.75" WHICH EQUALS 11% OF THE CHIMNEY HEIGHT



EXAMPLE "B"
HEIGHT OF KNIGHT IS 40.38" WHICH EQUALS 12% OF THE CHIMNEY HEIGHT



EXAMPLE "C"
HEIGHT OF KING IS 49.06" WHICH EQUALS 10% OF THE CHIMNEY HEIGHT

Termination Caps

For Gas & Wood Hearth Systems

A finishing touch

to enhance your

curb appeal.

HEARTH&HOME technologies®

The Hearth Experts™

The Finishing Touch

Termination caps are a critical component to complete any hearth system. These durable caps are UL-listed—proven effective to protect venting components and ensure safe exhaust flow.

Decorative termination shrouds deliver enhanced style and safety for fireplaces, stoves and inserts. A variety of sizes and designs are available, providing a way to accent or disguise any venting system.

The finishing touch to distinguish your home

Don't overlook the finishing touch on a fireplace, stove or insert. Curb appeal is the #2 most important community feature homebuyers look for when choosing their new home[1].

Distinguish your home from the rest of the block. Termination caps and decorative shroud options are available for gas and wood products. Select a cap or shroud to define your style.

1 According to John Burns Real Estate Consulting 2012 Consumer Insights survey

Gas Direct Vent or Wood | Termination Caps & Shrouds

VERTICAL VENTING GAS SHROUD OR WOOD TERMINATION CAP

Terra Cotta Termination Cap/Shroud
The terra cotta finish to this cap provides a traditional, masonry-style look at a fraction of the cost.

TCG375 (for direct vent and b-vent gas, must be used with DVP-TV, DVP-TVHW or SLP-TVHW)
TCT375 (For use with SL300 Series pipe)
TCT1175 (For wood use with SL1100 Series pipe)

VERTICAL VENTING GAS OR WOOD SHROUD

Decorative Shroud
Cloak a round termination cap with this bold decorative shroud for classic style.

LDS33 (For use with TR344/TR342, TR11/TR11T, TS345/TS345P, DVP-TV/DVP-TVHW and SLP-TVHW)
LDS46 (For use with TR344/TR342, TR11/TR11T, TS345/TS345P, DVP-TV/DVP-TVHW and SLP-TVHW)

VERTICAL VENTING GAS SHROUD OR WOOD TERMINATION CAP

Decorative Termination Caps/ Shrouds - Octagon
Create a distinct look atop a home or office with these 8-sided copper-style or black shrouds. Powder coat finishing delivers an authentic, weather-proof finish.

DTO134-CP/BK
DTO146-CP/BK
(For gas use with DVP-TVHW/TV or SLP-TVHW, for wood use with SL300 series pipe - requires CT-3A, SL1100 series pipe - requires CT-11A, Durachimney II pipe - requires CT-14A)

VERTICAL VENTING GAS SHROUD OR WOOD TERMINATION CAP

Decorative Termination Caps/ Shrouds - Square
Add unique style to a home or office with square, copper-style or black shrouds. Powder coat finishing delivers an authentic, weather-proof finish.

DTS134-CP/BK
DTS146-CP/BK
For gas use with DVP-TVHW/TV or SLP-TVHW, for wood use with SL300 series pipe - requires CT-3A, SL1100 series pipe - requires CT-11A, Durachimney II pipe - requires CT-14A)

Wood | Termination Caps & Shrouds

VERTICAL VENTING WOOD TERMINATION CAP

Round Termination Cap
This all-purpose cap is built to handle the elements and can be disguised with shrouds.

TR342/TR344 (For use with SL300 Series pipe)
TR11/TR11T (For use with SL1100 Series pipe)

VERTICAL VENTING WOOD TERMINATION CAP

Decorative Square Termination Cap

TS345 A unique, trapezoid design allows this cap to be a solution for most generations of fireplaces. (For multiple chase-top installations; for use with SL300 Series pipe)

TS345P This version is smooth and black for cloaked venting of any fireplace.
(For multiple chase-top installations; for use with SL300 Series pipe)

VERTICAL VENTING WOOD TERMINATION CAP

Square Termination Cap
Solid construction, a square design and a black or stainless steel finish provide function and utility for any wood fireplace.

ST375/ST375SS (For use with SL300 Series pipe)
ST1175/ST1175SS (For use with SL1100 Series pipe)

Available From:

HEARTH & HOME technologies®
The Hearth Experts™

Hearth & Home Technologies®
800-927-6841
fireplaces.com

c UL us LISTED

HHT-1056U-1020

Glen-Gery

PRODUCT PROFILE

Revised 1/2019

Glen-Gery Clay Thin Brick

(1/2", 3/4" and 1" thick)

General

Glen-Gery provides clay thin brick in a multitude of shades and textures to accommodate the visual and application requirements of most projects. Sizes range from 8 to 16 inch and from extruded to handmade providing the widest range of thin brick available for any application.

The thickness of the thin brick available is based on the method of manufacture and the desired texture/uniformity.

Extruded thin brick available in 1/2" thickness are typically extruded as thin brick with unique surface textures and colors meeting Type TBS tolerances.

Glen-Gery's greatest variety of thin brick are available in molded and extruded 3/4" thickness. This thickness allows units to be cut from full units often specifically manufactured with larger coring and thinner webs to facilitate cutting while reducing the quantity of raw material required for manufacture. Material cut from the thin brick can be ground and reused to manufacture thin or full size units. In addition, Glen-Gery's unique large scale custom cutting operation allows thin brick to be cut from a specific lot of full brick to ensure color matching of both full and thin brick.

Handmade thin brick are available in 1" thickness to accommodate the inherent variation expected from handmade units.

Today's thin brick are installed in a wide variety of different wall systems including thickset, thinset, metal panel systems (such as Glen-Gery Thin Tech® Panels) as well as precast and tilt-up concrete wall systems. The appearance of thin brick, as well as the method of manufacture, affects the potential use of the thin brick in the various wall systems available. The thickness of the individual thin brick typically has minimal, if any, effect on any of the applications.

While each of the three categories of thin brick previously listed can be installed in most of thin brick wall systems, the precast and tilt-up concrete wall systems require thin brick with very rigid tolerances and surface textures limited to smooth or velour (wirecut) textures. In addition the cleaning techniques utilized by concrete panel manufacturers may also limit colors typical of full size units. See additional information at the end of this Profile regarding thin brick for use with precast and tilt-up concrete wall systems.

Additional information is available from your Glen-Gery representative for each thin brick wall system.

Unit Specifications

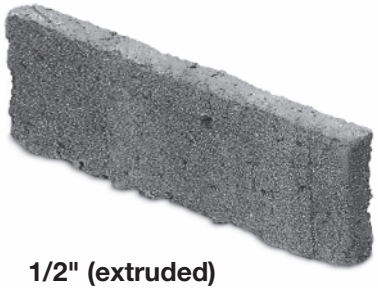
Glen-Gery thin brick are typically manufactured to conform to the requirements of American Society for Testing and Materials (ASTM) Standard Specification C 1088, Grade Exterior. Depending upon the particular product selected, Type TBA, TBS, or TBX may be available. These products also conform to the requirements of ASTM C 1088, Grade Interior. When specifying this product, the specifications should cite:

1) The product name and state "as manufactured by Glen-Gery Corporation."

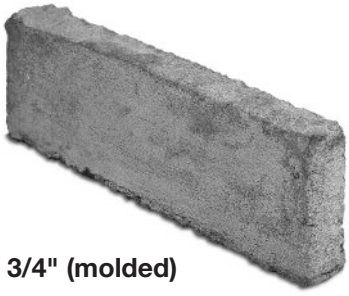
2) Conformance to the requirements ASTM C 1088, Grade Exterior.

3) The actual unit dimensions listed as thickness x height x length.

Example: Harding Blend thin brick as manufactured by Glen-Gery Corporation to conform to the requirements of ASTM C 1088, Grade Exterior, Type TBS. The units shall have dimensions of 3/4" X 2-1/4" X 7-5/8".



1/2" (extruded)



3/4" (molded)

3/4" (extruded)

1" (handmade)

Design Criteria

Size:

Table 1 provides the many sizes in which Glen-Gery manufactures thin brick.

Dimensional Tolerances:

Glen-Gery thin brick are manufactured to provide specific dimensional tolerances. The dimensional tolerances of the product are intended to be within the requirements of ASTM C 1088, Type TBS for general use. Some products (including but not limited to those manufactured at the Hanley Plant) are manufactured to meet Type TBX. Products with colors matching Handmade bricks are manufactured to meet Type TBA. The product ordered will generally contain a number of units which are over or under the specified dimensions.

CONTINUED ON PAGE 3

FIGURE A

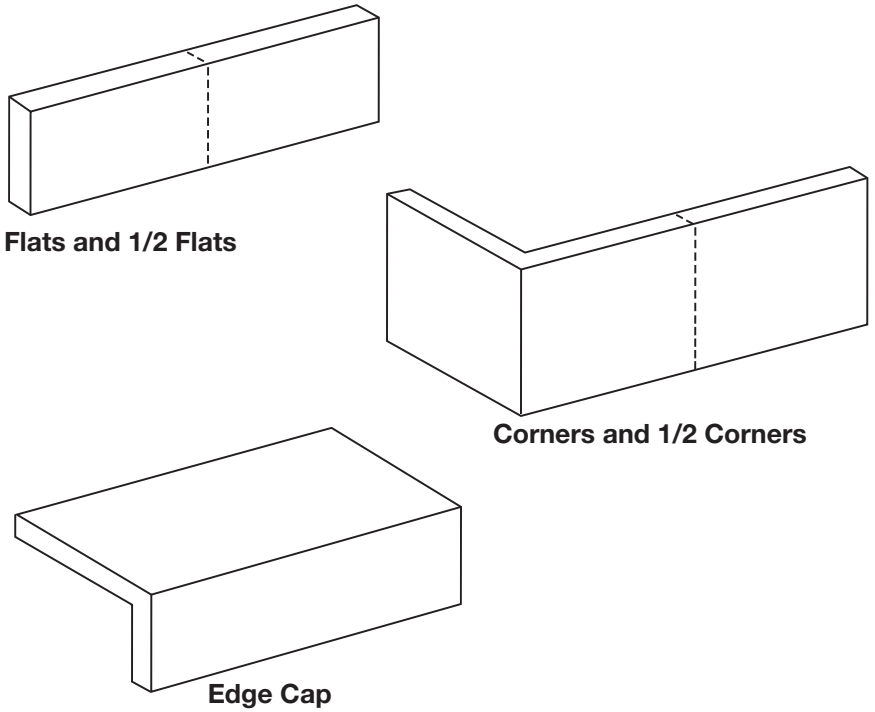


TABLE 1

Thin Brick Size, Coverage and Weight

Thin Brick Size	Specified Dimension						Thin Brick per square foot	Average Weight per unit	
	Thickness (inches)	(mm)	Height (inches)	(mm)	Length (inches)	(mm)			(kg)
Queen	3/4	20	2-3/4	70	7-5/8	194	5.63	1.6	0.7
Lightweight Modular	3/4	20	2-1/4	57	7-5/8	194	6.75	1.0	0.5
Lightweight Engineer Modular	3/4	20	2-3/4	70	7-5/8	194	5.63	1.0	0.5
1/2-Modular (extruded)	1/2	13	2-1/4	57	7-5/8	194	6.75	0.7	0.3
3/4-Modular (extruded/molded)	3/4	20	2-1/4	57	7-5/8	194	6.75	1.1	0.5
Modular (handmade)	1	25	2-1/4	57	7-5/8	194	6.75	1.1	0.5
1/2-Engineer Modular	1/2	13	2-3/4	70	7-5/8	194	5.63	0.8	0.4
3/4- Engineer Modular	3/4	20	2-3/4	70	7-5/8	194	5.63	1.6	0.7
Econo	3/4	20	3-5/8	92	7-5/8	194	4.50	1.5	0.7
Standard	3/4	20	2-1/4	57	8	203	6.55	1.1	0.5
Engineer Standard	3/4	20	2-3/4	70	8	203	5.39	1.7	0.8
Handmade Oversized	1	25	2-3/4	70	8-1/2	216	5.00	1.7	0.8
King Narrow-Bed	3/4	20	2-3/4	70	9-5/8	244	4.55	1.5	0.7
Engineer King	3/4	20	2-3/16	71	9-5/8	244	4.55	1.5	0.7
King	3/4	20	3-5/8	92	9-5/8	244	4.55	1.5	0.7
Roman	3/4	20	1-5/8	41	11-5/8	295	6.00	1.0	0.5
Norman	3/4	20	2-1/4	57	11-5/8	295	4.50	1.5	0.7
Utility	3/4	20	3-5/8	57	11-5/8	295	3.00	2.4	1.1
Kingston	3/4	20	2-3/4	70	11-5/8	295	3.75	1.9	0.9
Viking			1-5/8	41	15-5/8	397	4.50	5.9	2.7
Saxon	3/4	20	2-1/4	57	15-5/8	397	3.38	2.0	0.9
Titan	3/4	20	3-5/8	92	15-5/8	397	2.25	3.0	1.4

Tru-Brix®

Tru-Brix is a mechanically attached brick system designed to permit the use of brick in a variety of situations where the look of brick is required and full size brick are not economical or practical. Using our specially designed system, architects, builders, and homeowners can choose real brick without the need for load carrying steel, footers, or limitations on the height of the wall. Tru-Brix has been used commercially and residentially to produce classic brick architecture and modern style in exciting ways.

Tru-Brix Applications

Architectural solutions

Tru-Brix is more versatile and stronger than any other method of applying thin brick on virtually any wall system or any structure from low to mid to high-rise buildings. Cast stone, window sills and headers, accent bands, soldier courses and special shapes can easily be incorporated into the Tru-Brix System.

2 x 4 stud wall

Concrete masonry wall

Metal stud wall

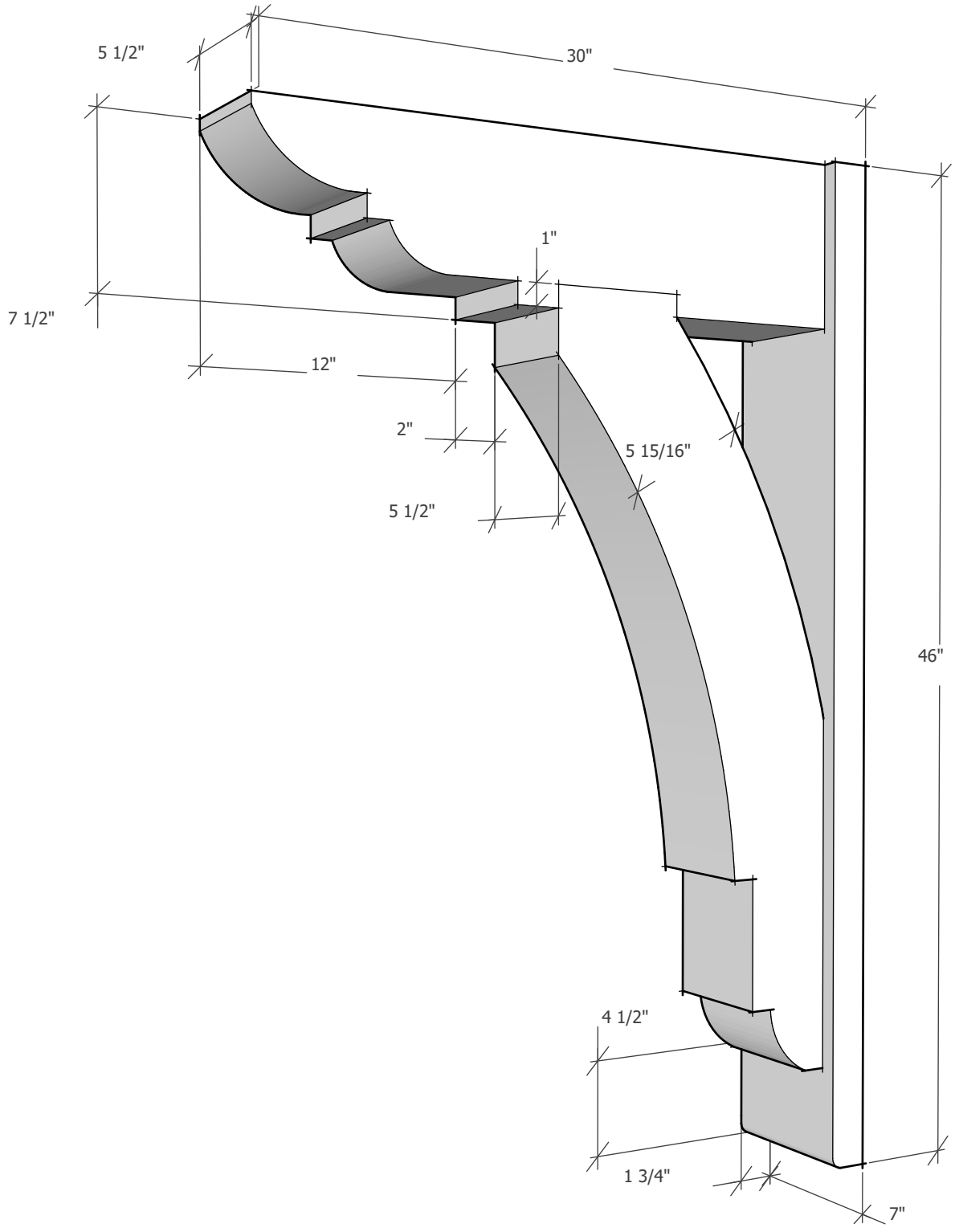
Prefabricated wall

Warranties

Tru-Brix offers a 50-year warranty.

Product Name

Wood Bracket 11T3



To see product options or learn more about this product, go to timberbuild.com and search for: **Wood Bracket 11T3**

770-406-6646
www.TimberBuild.com
Sales@TimberBuild.com

CAD Drawing Available

October 13, 2023

Chris Berger Site Visit 4.3.24
Facade

3705

Chris Berger Site Visit 4.3.24
Front and left elevations

Chris Berger Site Visit 4.3.24
Front and right elevations

Chris Berger Site Visit 4.3.24
Front and right elevations

Chris Berger Site Visit 4.3.24
Rear elevation

Chris Berger Site Visit 4.3.24
Rear elevation

Chris Berger Site Visit 4.3.24
Porch section to be infilled

Chris Berger Site Visit 4.3.24
Porch