



# COMMISSION OF ARCHITECTURAL REVIEW

## APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

**PROPERTY** (location of work)

Address 316 N 21st Street  
Historic district Shockhoe Valley

Date/time rec'd: _____
Rec'd by: _____
Application #: _____
Hearing date: _____

**APPLICANT INFORMATION**

Name Glen Walker  
Company \_\_\_\_\_  
Mailing Address 316 N 21st Street  
Richmond, VA 23223

Phone 8043897121  
Email gdwalk1975@aol.com  
Applicant Type:  Owner  Agent  
 Lessee  Architect  Contractor  
 Other (please specify): \_\_\_\_\_

**OWNER INFORMATION** (if different from above)

Name \_\_\_\_\_  
Mailing Address \_\_\_\_\_

Company \_\_\_\_\_  
Phone \_\_\_\_\_  
Email \_\_\_\_\_

**PROJECT INFORMATION**

Review Type:  Conceptual Review  Final Review  
Project Type:  Alteration  Demolition  New Construction  
(Conceptual Review Required)

**Project Description:** (attach additional sheets if needed)

We intended to tear down the existing two-story deck as the support beam for the second floor and most corner posts are rotten. We intended to replace the decking exactly as is, with the alteration of screening in the second floor deck, including a roof.

**ACKNOWLEDGEMENT OF RESPONSIBILITY**

**Compliance:** If granted, you agree to comply with all conditions of the certificate of appropriateness (COA). Revisions to approved work require staff review and may require a new application and approval from the Commission of Architectural Review (CAR). Failure to comply with the COA may result in project delays or legal action. The COA is valid for one (1) year and may be extended for an additional year, upon written request.

**Requirements:** A complete application includes all applicable information requested on checklists to provide a complete and accurate description of existing and proposed conditions. Applicants proposing major new construction, including additions, should meet with Staff to review the application and requirements prior to submitting an application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

**Zoning Requirements:** Prior to Commission review, it is the responsibility of the applicant to determine if zoning approval is required and application materials should be prepared in compliance with zoning.

**Signature of Owner** \_\_\_\_\_

Date 5/25/20



# CERTIFICATE OF APPROPRIATENESS

## NEW CONSTRUCTION CHECKLIST

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**Well in advance of the COA application deadline contact staff to discuss your project, and if necessary, to make an appointment to meet with staff for a project consultation in the office or on site.**

Complete all applicable sections and submit with the COA application form. Staff can assist you in determining what items are required for your scope of work. An incomplete application may cause delays in processing or may be deferred to the next agenda. Application materials must clearly represent current and proposed conditions. Refer to Standards for New Construction outlined in Section 30.930.7(c) of the City Code, as well as, the *Richmond Old and Historic Districts Handbook and Design Review Guidelines*.

**PROPERTY ADDRESS:** \_\_\_\_\_

### NEW BUILDING TYPE

- single-family residence
- multi-family residence
- commercial building
- mixed use building
- institutional building
- garage
- accessory structure
- other

### DRAWINGS (refer to required drawing guidelines)

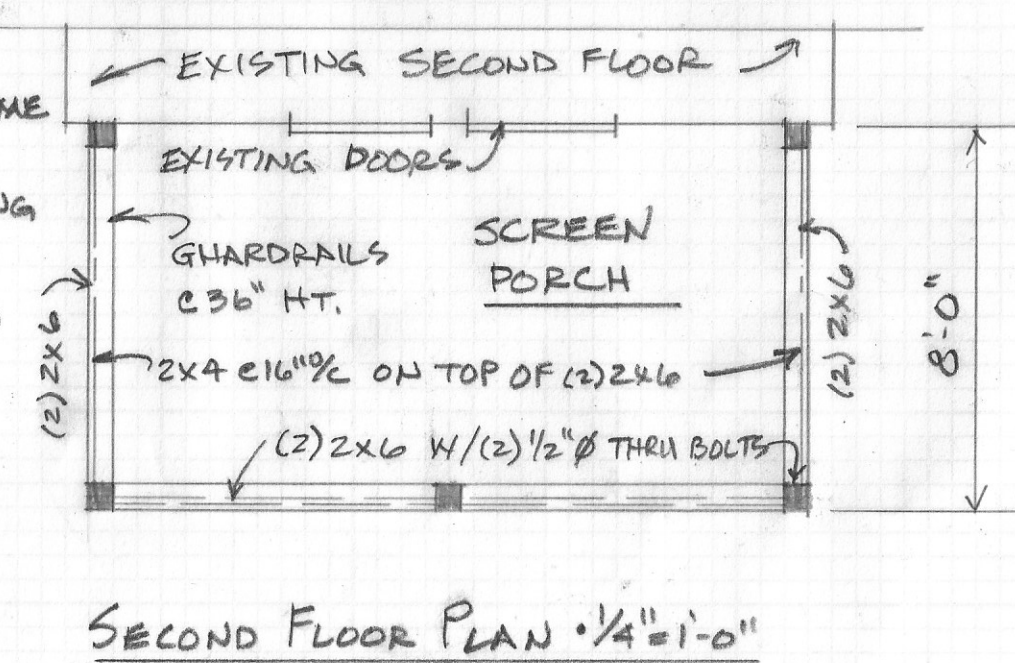
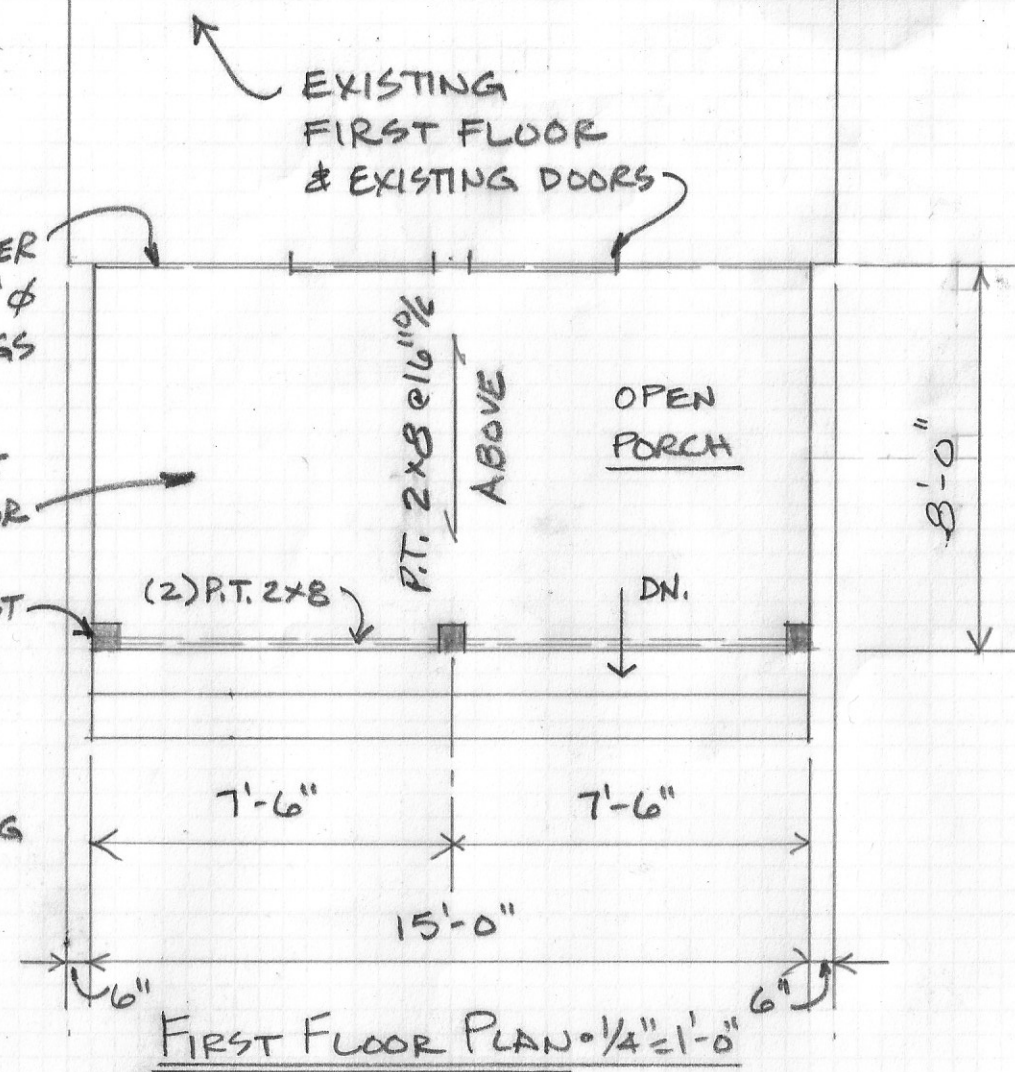
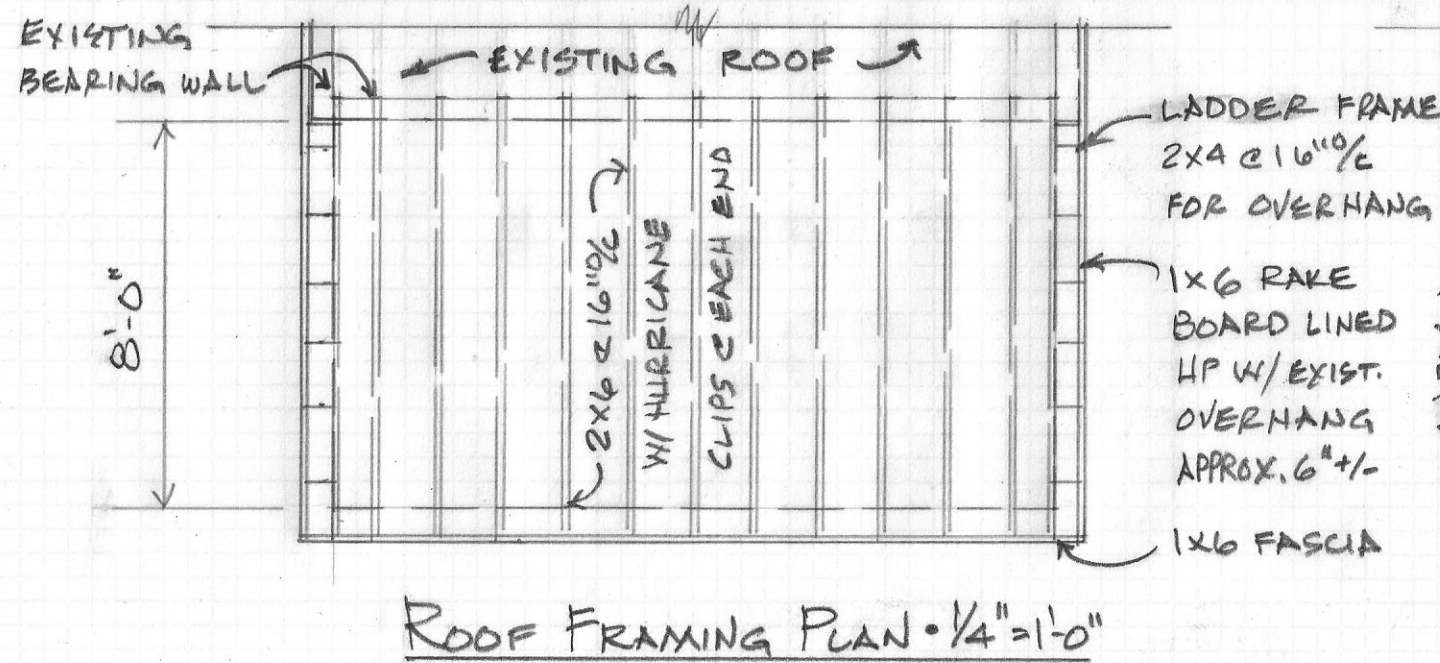
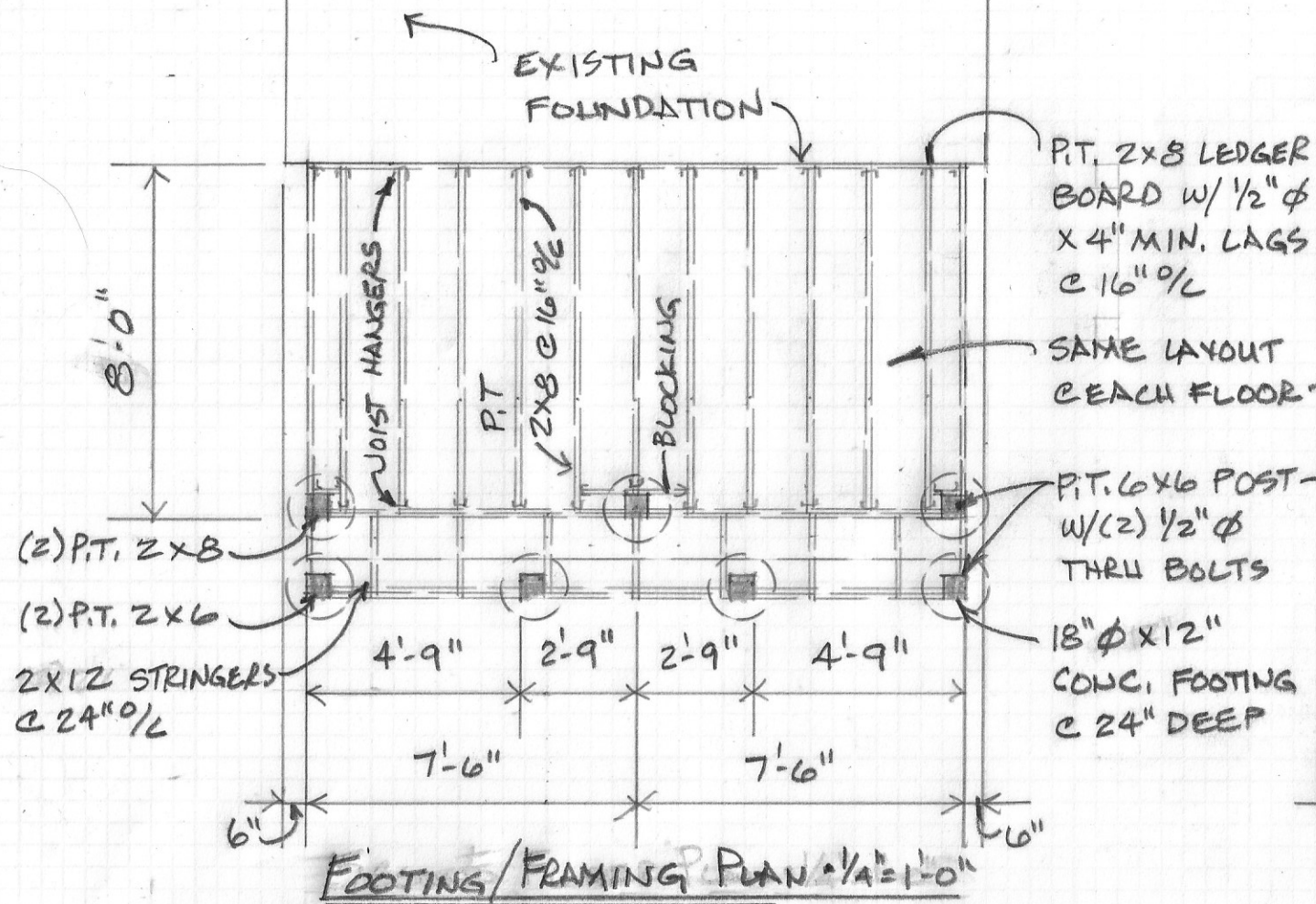
- floor plans
- elevations (all sides)
- roof plan
- list of windows and doors, including size, material, design
- context drawing showing adjacent buildings
- perspective
- site plan
- legal plat of survey

### WRITTEN DESCRIPTION

- describe new structure including levels, foundation, siding, windows, doors, roof and details
- state how the *Richmond Old and Historic Districts Handbook and Design Review Guidelines* informed the proposed work, site specific pages and sections of the *Guidelines* that apply
- material description; attach specification sheets if necessary

### PHOTOGRAPHS place on 8 ½ x 11 page, label photos with description and location (refer to photograph guidelines)

- site as seen from street, from front and corners, include neighboring properties



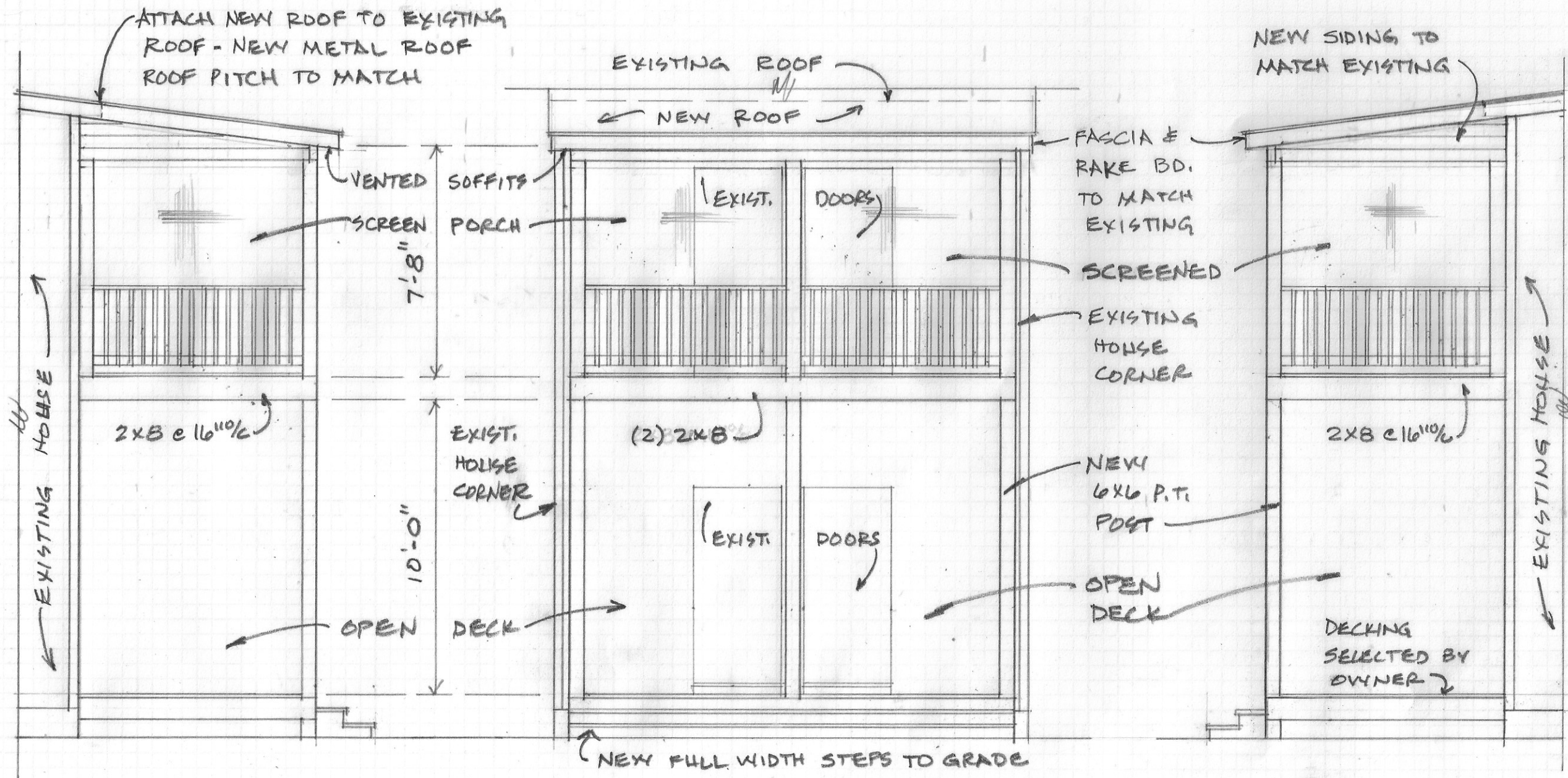
- REMOVE EXISTING TWO STORY DECKS COMPLETELY REPLACE WITH NEW 1<sup>ST</sup> FLOOR OPEN DECK AND 2<sup>ND</sup> FLOOR SCREEN PORCH.
- ALL FINISH MATERIALS TO MATCH EXISTING

ADAMS DRAFTING & DESIGN LLC  
 16019 GENITO ROAD  
 MOSELEY, VA 23120  
 RICHARD ADAMS - OWNER  
 804-608-8844

TWO STORY PORCH REPLACEMENT  
 SCHEELE RESIDENCE  
 316 N. 21<sup>ST</sup> STREET  
 RICHMOND, VA. 23223

26 MAY 2020  
 SHEET  
 1 OF 3

- REMOVE EXISTING TWO STORY DECK AND REPLACE WITH NEW 1<sup>ST</sup> FLOOR OPEN DECK AND 2<sup>ND</sup> FLOOR SCREEN PORCH
- NEW DECK & PORCH LOCATED IN THE EXACT SAME LOCATION AS EXISTING.
- ALL FINISH MATERIALS TO MATCH EXISTING MATERIAL.
- REMOVE AND REPLACE ANY DAMAGED WOOD AT DEMO OF EXISTING DECKS.



RIGHT SIDE ELEV. • 1/4" = 1'-0"

REAR ELEVATION • 1/4" = 1'-0"

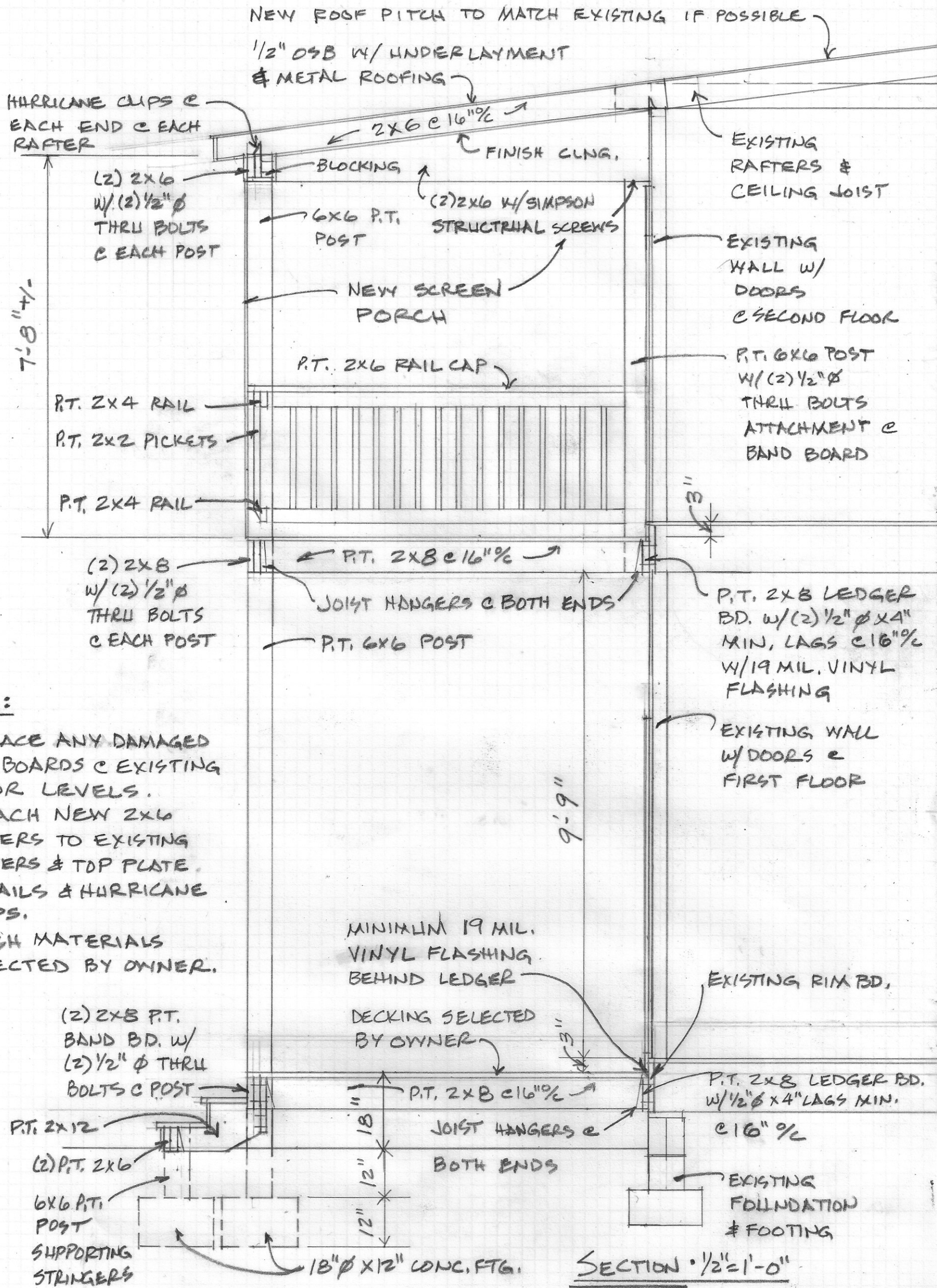
LEFT SIDE ELEV. • 1/4" = 1'-0"

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TWO STORY PORCH REPLACEMENT  
 SCHEELE RESIDENCE  
 316 N. 21<sup>ST</sup> STREET  
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26 MAY 2020

SHEET  
 2 OF 3



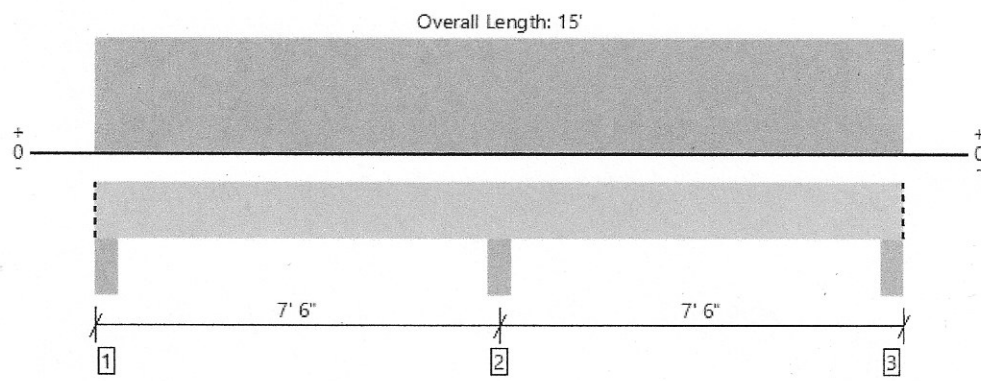
**NOTE:**

- REPLACE ANY DAMAGED RIM BOARDS & EXISTING FLOOR LEVELS.
- ATTACH NEW 2x6 RAFTERS TO EXISTING RAFTERS & TOP PLATE W/ NAILS & HURRICANE CLIPS.
- FINISH MATERIALS SELECTED BY OWNER.

SECTION 1/2" = 1'-0"

30 = 3 SHEET	26 MAY 2020	<b>TWO STORY PORCH REPLACEMENT</b> SCHEELE RESIDENCE 316 N. 21 <sup>ST</sup> STREET RICHMOND, VA, 23223	ADAMS DRAFTING & DESIGN LLC 16019 GENITO ROAD MOSELEY, VA 23120 RICHARD ADAMS - OWNER 804-608-8844
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Level, Roof: Drop Beam  
**2 piece(s) 2 x 6 Southern Pine No. 2**



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1507 @ 7' 6"	9323 (5.50")	Passed (16%)	--	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	638 @ 8' 2 1/4"	2406	Passed (27%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	-1080 @ 7' 6"	1575	Passed (69%)	1.25	1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.053 @ 11' 4 7/8"	0.239	Passed (L/999+)	--	1.0 D + 1.0 Lr (Alt Spans)
Total Load Defl. (in)	0.085 @ 3' 6 1/8"	0.358	Passed (L/999+)	--	1.0 D + 1.0 Lr (Alt Spans)

System : Roof  
 Member Type : Drop Beam  
 Building Use : Residential  
 Building Code : IBC 2015  
 Design Methodology : ASD  
 Member Pitch : 0/12

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 15' o/c based on loads applied, unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 15' o/c based on loads applied, unless detailed otherwise.
- Applicable calculations are based on NDS.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Roof Live	Total	
1 - Column - SYP	5.50"	5.50"	1.50"	226	303	529	Blocking
2 - Column - SYP	5.50"	5.50"	1.50"	670	837	1507	None
3 - Column - SYP	5.50"	5.50"	1.50"	226	303	529	Blocking

• Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (non-snow: 1.25)	Comments
0 - Self Weight (PLF)	0 to 15'	N/A	4.2	--	
1 - Uniform (PSF)	0 to 15' (Top)	4'	15.1	20.0	Default Load
2 - Uniform (PSF)	0 to 15' (Top)	8 1/16"	15.1	20.0	

**Member Notes**  
 PORCH BEAM

**Weyerhaeuser Notes**  
 Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards. Weyerhaeuser Engineered Lumber Products have been evaluated by ICC-ES under evaluation reports ESR-1153 and ESR-1387 and/or tested in accordance with applicable ASTM standards. For current code evaluation reports, Weyerhaeuser product literature and installation details refer to [www.weyerhaeuser.com/woodproducts/document-library](http://www.weyerhaeuser.com/woodproducts/document-library).  
 The product application, input design loads, dimensions and support information have been provided by RICK ADAMS

ForteWEB Software Operator	Job Notes
RICHARD ADAMS Adams Drafting & Design, LLC (804) 839-0995 ADAMSDRAFTINGDESIGN@GMAIL.COM	PORCH BEAM



5/25/2020 4:43:22 PM UTC  
 ForteWEB v2.4, Engine: V8.0.1.5, Data: V7.3.2.0  
 File Name: alice  
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## Pictures for 316 N 21st Street



Front of the house street view -  
316 Property in center



Front of the house  
street view right  
corner of cross street -  
316 Property third  
from right



Front of the house  
street view left  
corner of cross street-  
316 Property fifth  
from left



back of the house  
street view right  
corner- 316 Property  
obscured by tree.  
Red circle indicates  
location behind tree.





back of the house  
street view right  
corner (slightly to the  
left of corner)- 316  
Property less  
obscured by tree.  
Red circle indicates  
property



back of the house  
street view left  
corner from alley- 316  
Property third from  
left



Back of house view from backyard. Intention of project is to replace existing porch with same but new material. Would prefer to screen in second floor with addition of roof.