

Commission for Architectural Review Application for Certificate of Appropriateness

900 E. Broad Street, Room 510
Richmond, VA 23219 | (804)-646-6569
www.rva.gov/planning-development-review/commission-architectural-review



Property (location of work)

Address: 3601 E Marshall St.

Historic District: Chimborazo Park

Applicant Information Billing Contact

Name: Fletcher Bulifant

Email: Fletch@bulifant.com

Phone: 804-475-4577

Company: H.F. Bulifant & Sons, Inc.

Mailing Address: 2001 Semmes Ave.
Richmond

Applicant Type: Owner Agent Lessee

Architect Contractor

Other (specify): _____

Owner Information Billing Contact

Same as Applicant

Name: Jason Alky + Mercedes Schaum

Email: Jason@alkyjones.com

Phone: 804-852-4838

Company: _____

Mailing Address: 3601 E Marshall St.
Richmond, VA 23223

****Owner must sign at the bottom of this page****

Project Information

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

Project Description (attach additional sheets if needed):

1 story addition to rear of property as per plans

Acknowledgement of Responsibility

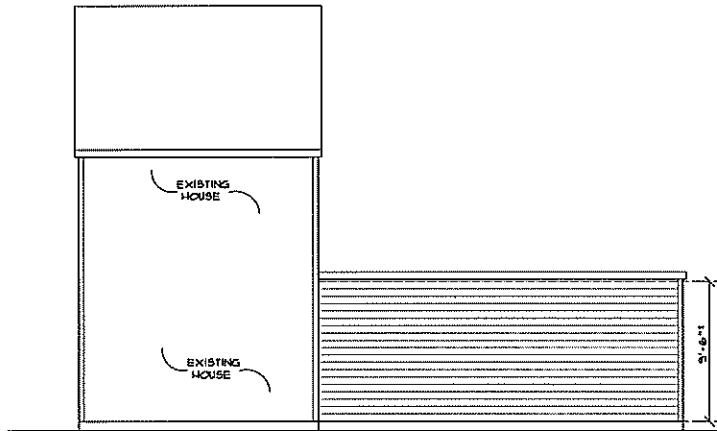
Compliance: If granted, you agree to comply with all conditions of the certificate of appropriateness (COA). Revisions to approved work require staff review and may require a new application and approval from the Commission of Architectural Review (CAR). Failure to comply with the conditions of the COA 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 and payment of associated fee.

Requirements: A complete application includes all applicable information requested on checklists available on the CAR website to provide a complete and accurate description of existing and proposed conditions, as well as payments of the application fee. Applications 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.

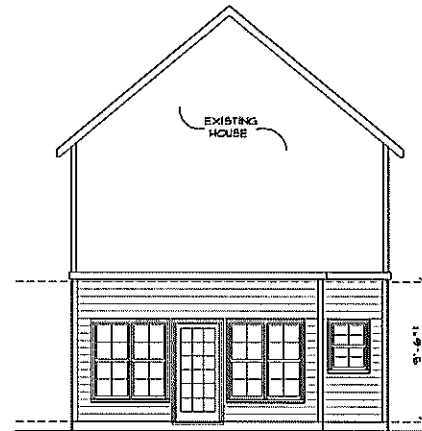
Zoning Requirements: Prior to Commission review, it is the responsibility of the applicant to determine if zoning approval is required and application materials should be prepared in compliance with zoning.

Signature of Owner

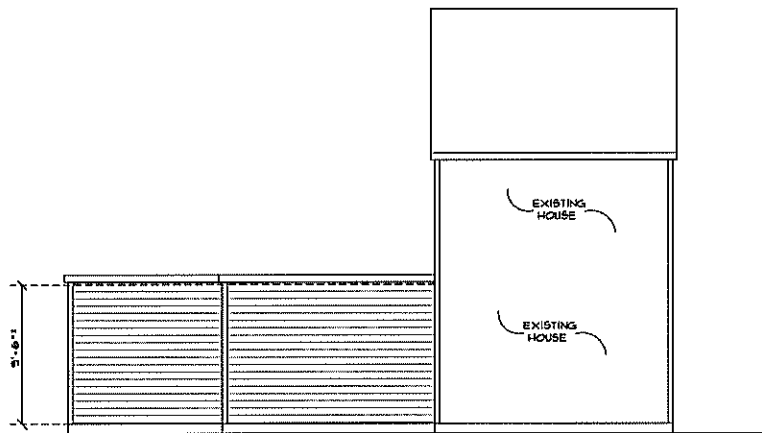
Date 2-17-23



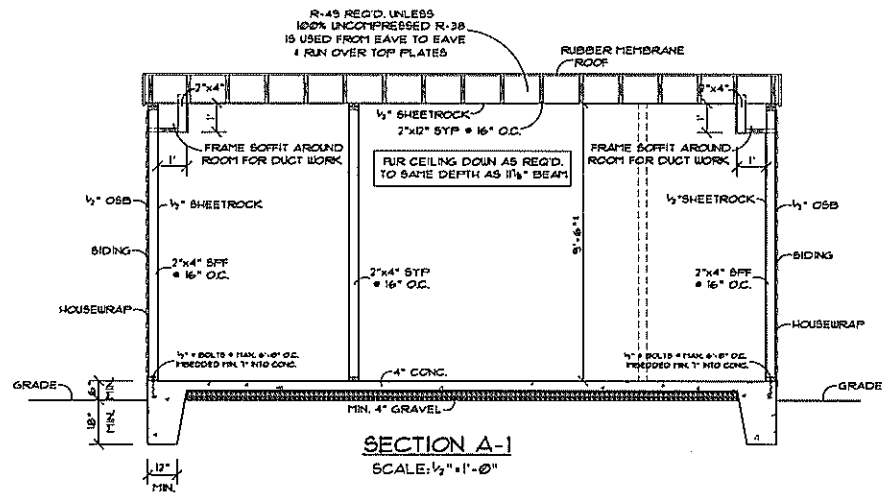
RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



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



LEFT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



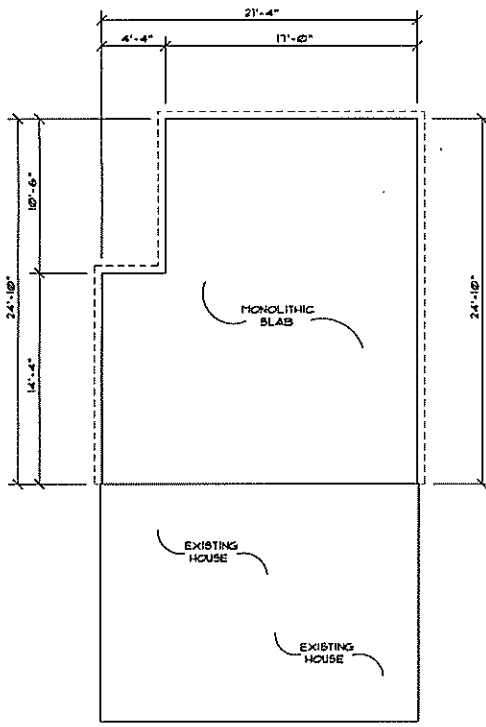
SECTION A-1
SCALE: 1/2" = 1'-0"

CHECK AND VERIFY ALL
DIMENSIONS ON JOB SITE

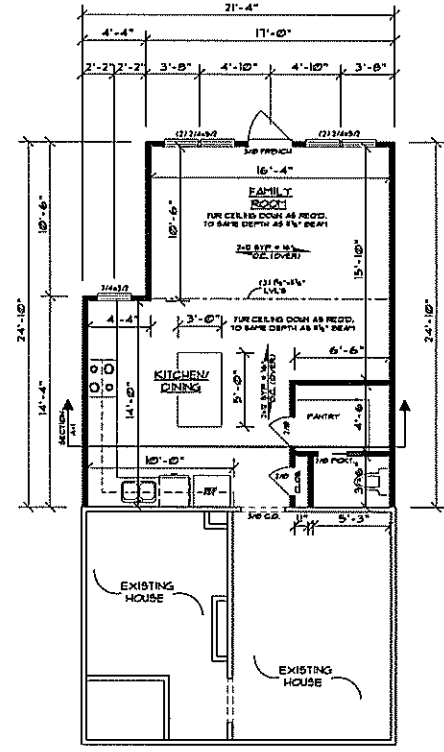
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OWNER: D & MOWEL TURNER	DATE: 8/18/2022	PLAN NO:
OCCUPANCY: RESIDENT	SCALE: AS SHOWN	22
REVISIONS: 1/2023	SHEET NO. 2 OF 2	184

ALLEY ADDITION
Turner Designs LLC
400 S. BROADWAY, SUITE 200
FROST BERKELEY, CA 94933



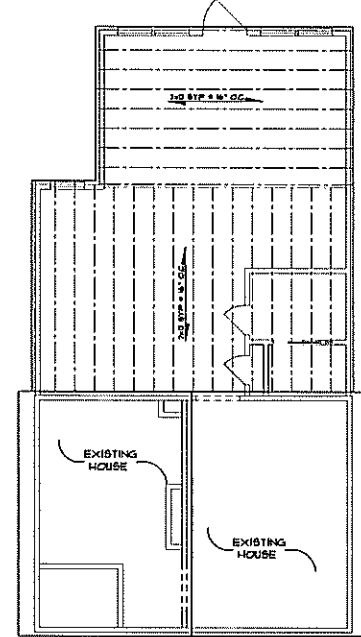
FOUNDATION PLAN
ACCESS DOOR LOCATION
DETERMINED ON JOB SITE



FLOOR PLAN
484 SQ. FT. (NEW ADDITION)

- EXISTING WALLS
- NEW WALLS
- WALLS TO BE REMOVED

CHECK AND VERIFY ALL
DIMENSIONS ON JOB SITE



ROOF PLAN

ALL EXTERIOR WINDOW
AND DOOR HEADERS TO
BE (2) 2"x8" SYP UNLESS
NOTED OTHERWISE

ALL INTERIOR HEADERS
TO BE (2) 2"x6" SYP
UNLESS NOTED OTHERWISE

TO COMPLY WITH IRC 2018 THESE PLANS
ARE DESIGNED USING METHOD 607.10.5
FOR BRACED WALL PANELS

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DRAWN BY: MICHEL TURNER
OCCUPATION: ENGINEER
REVISIONS: 1/1/22

1. The contractor and their subcontractors shall be responsible to check and verify that the actual conditions will be represented and that the construction shall conform to the contractor's responsibility prior to starting the structural or finishing work.
2. The contractor and their subcontractors shall verify dimensions and conditions on the job site to the plan and shall adjust plans during work as needed to conform with the actual conditions.
3. Specific responsibilities of the contractor shall be the responsibility of the contractor. The contractor is to fill out the plan and accept responsibility for accuracy. The contractor shall be responsible for any errors, omissions, or omissions. The contractor shall be responsible for any errors, omissions, or omissions. The contractor shall be responsible for any errors, omissions, or omissions.

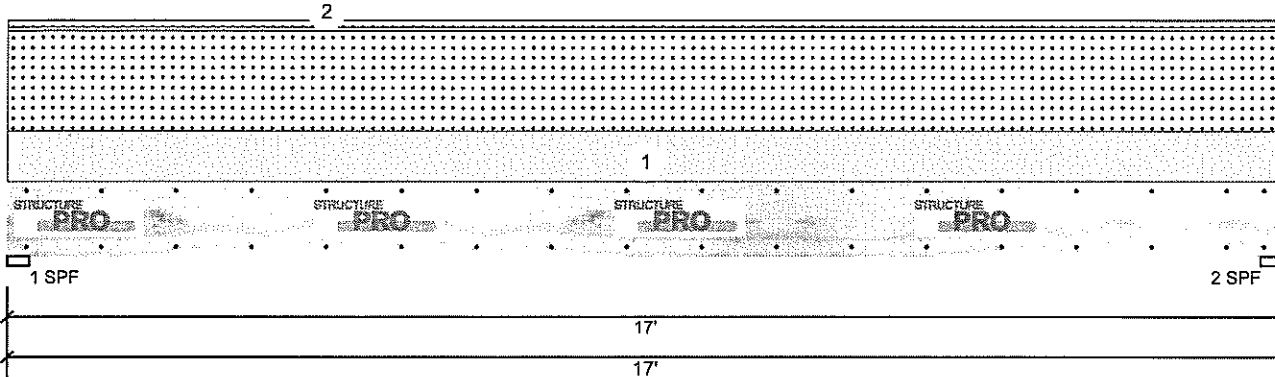
DATE: 11/16/2022
SCALE: 1/4"=1'-0"
SHEET NO. 1 OF 2

PLAN NO.
22
18.4

ALLEY ADDITION
Turner Designs LLC
1000 S. 10th St., Suite 100
Tulsa, Oklahoma 74106
(918) 438-3377

B2 StructurePRO LVL 2.0E 1.750" X 11.875" 3-Ply - PASSED

Level: Level



Member Information

Type:	Girder
Plies:	3
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal - II
Temperature:	Temp <= 100°F

Application:	Roof
Slope:	0/12
Design Method:	ASD
Building Code:	IBC 2018
Load Sharing:	Yes
Deck:	Not Checked

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1427	2578	0	0
2	Vertical	0	1427	2578	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	51%	1427 / 2578	4005	L	D+S
2 - SPF	3.500"	Vert	51%	1427 / 2578	4005	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	16443 ft-lb	8'6"	38203 ft-lb	0.430 (43%)	D+S	L
Unbraced	16443 ft-lb	8'6"	16450 ft-lb	1.000 (100%)	D+S	L
Shear	3417 lb	1'3 3/8"	13622 lb	0.251 (25%)	D+S	L
LL Defl inch	0.363 (L/552)	8'6 1/16"	0.418 (L/480)	0.869 (87%)	S	L
TL Defl inch	0.564 (L/356)	8'6 1/16"	0.835 (L/240)	0.675 (67%)	D+S	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Compression edge bracing required at 8'1" o.c. or less.
- 7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	145 PLF	0 PLF	290 PLF	0 PLF	0 PLF	
2	Uniform		0-8-0	Top	10 PSF	0 PSF	20 PSF	0 PSF	0 PSF	
	Self Weight				16 PLF					

Notes

Calculated Structural Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

Manufacturer Info

Pacific Woodtech Corp
1850 Park Lane
Burlington, WA 98233
(888) 707-2285
www.pacificwoodtech.com
APA: PR-L233, ICC-ES: ESR-2909

R.C. Goodwyn & Sons, Inc.
mat@goodwynlumber.com
804.598.3633



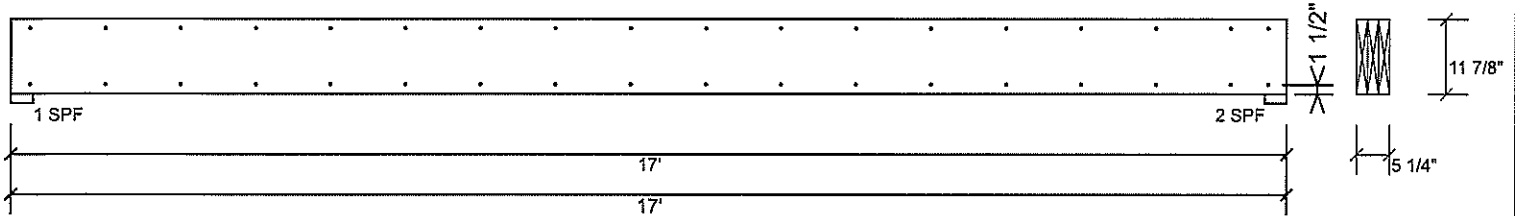


Client:
Project:
Address:

Date: 1/11/2023
Input by: RCG
Job Name: Alley Addition
Project #:

B2 StructurePRO LVL 2.0E 1.750" X 11.875" 3-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Nail from both sides. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	181.1 PLF
Yield Limit per Fastener	90.5 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes

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Lumber

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2. LVL not to be treated with fire retardant or corrosive

chemicals

Handling & Installation

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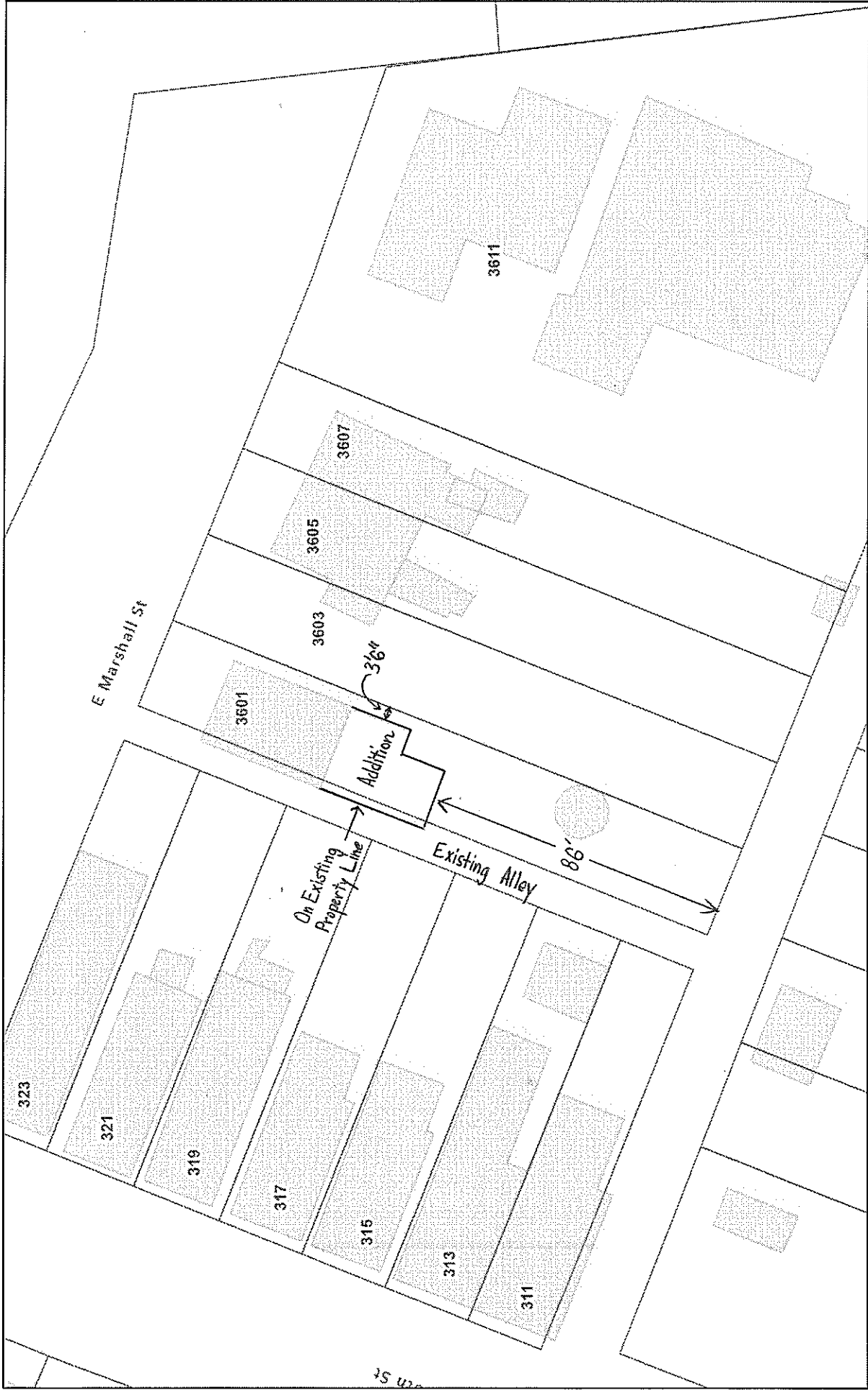
Manufacturer Info

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1850 Park Lane
Burlington, WA 98233
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APA: PR-L233, ICC-ES: ESR-2909

R.C. Goodwyn & Sons, Inc.
matt@goodwynlumber.com
804.598.3633



Richmond Parcel Map

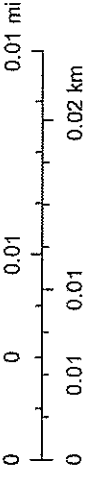


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 City Boundary  Parcels

Address Labels

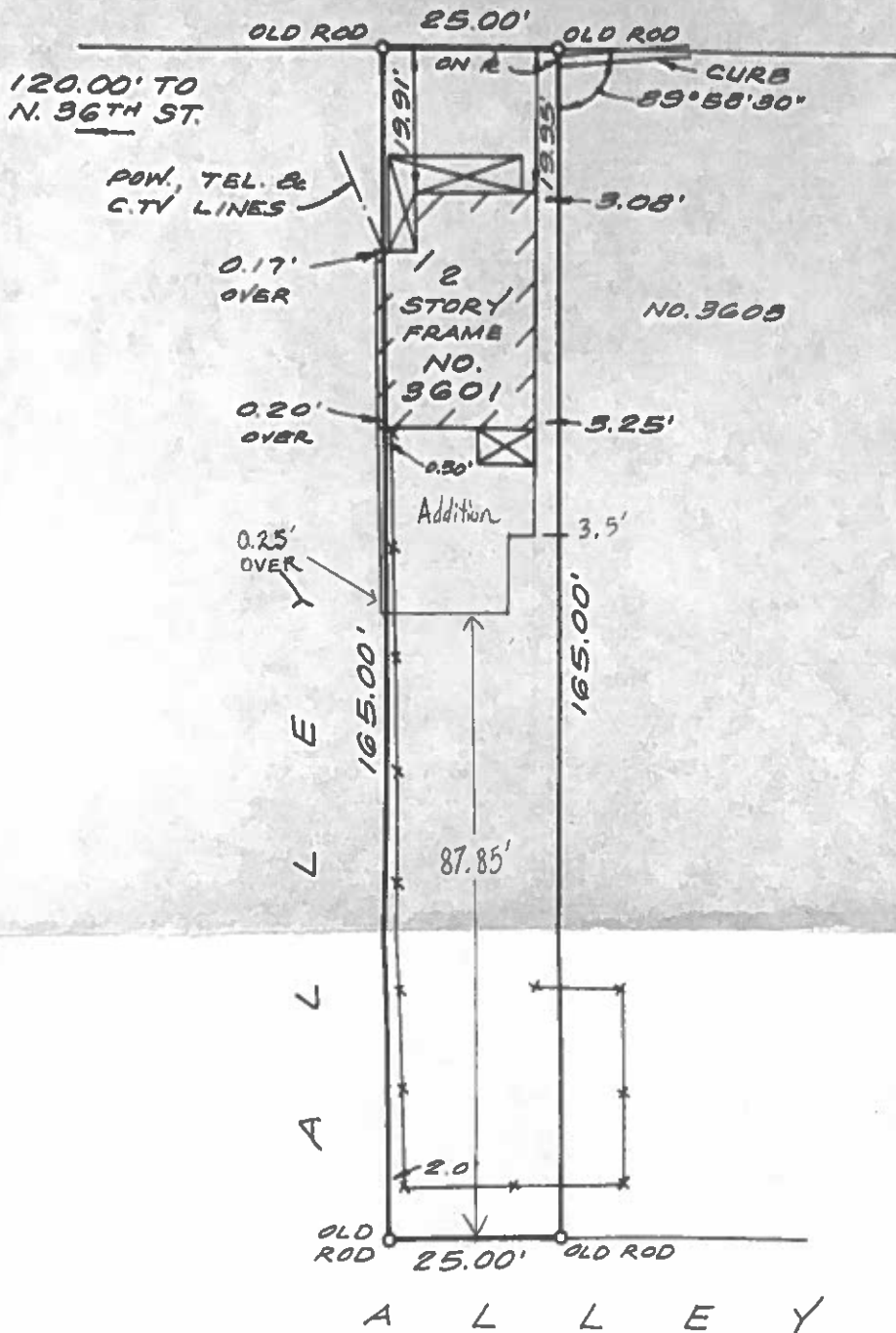
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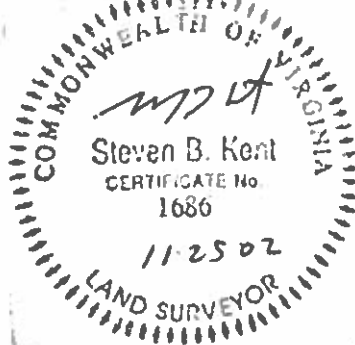
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EAST MARSHALL STREET



NOTE:
THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT, THEREFORE, NECESSARILY INDICATE ALL ENCUMBRANCES ON THE PROPERTY.

NOTE:
THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED BY THE SECRETARY OF HOUSING & URBAN DEVELOPMENT. (IN ZONE C)



PLAT OF PROPERTY SITUATED ON THE SOUTHERN LINE OF EAST MARSHALL STREET AND EAST OF N. 36TH STREET RICHMOND, VA.

NOV. 25, 2002 SCALE: 1" = 25'

CERTIFICATION

THIS IS TO CERTIFY THAT WE MADE AN ACCURATE FIELD SURVEY OF THE PREMISES SHOWN HEREON THAT ALL IMPROVEMENTS AND VISIBLE EASEMENTS ARE SHOWN HEREON THAT THERE ARE NO ENCROACHMENTS BY IMPROVEMENTS EITHER FROM ADJOINING PREMISES OR FROM SUBJECT PREMISES, OTHER THAN SHOWN HEREON.

STEVEN B. KENT & ASSOCIATES, P.C.
LAND SURVEYORS
1521 Brook Road
Richmond, VA 23220
PH. 804-643-6113

FILE E-1288