

Record Detail * (This section is required.)

Permit Type	Permit Number	Opened Date
Building/Residential/Alteration/SFD	B24000046	01/04/2024
Description of Work		
SFD/ Supply & install a Pneumatic Vacuum Elevator PVE37" (3 Stops)		

[check spelling](#)

Revisions Required
gjb 1/29/24

Address * (This section is required.)

Search Reset Clear Get Parcel & Owner

Street #	Street Name	Street Type
10606	REYNOLDS	CT
Unit Type	Unit #	X Coordinate
-Select-		-76.88416
		Y Coordinate
		39.25833
City	State	Zip Code
ELLCOTT CITY	MD	21042
	Primary	
	Yes	

Approved due to scope of work; if floor plans are provided later then they should be uploaded with this permit. gjb 4/24/23

Parcel * (This section is required.)

Search Reset Clear Get Address & Owner

GIS ID *	Parcel	Parcel Area	Land Value	Improved Value	Exemption Value	Plan Area
11061267	0148	0	0	0	0	RURAL
Legal Description						

[check spelling](#)

Block	Lot	Census Tract	Council Dist	Inspection Dist	Supervisor Dist	Map #	DAP Zone
23	1	602303	5				
Plan Area	State Tax Id	Subdivision Name					
		Kings Forest					
Section	Area	Tax Map					
		23					
Grid	Zoning District	ADC Map					
23-23		4814-J9					
SDP No.	Final Plan No.	WP File No.					
	ECP-14-046						
Record Plat No.	WS Contract No.	FDP No.	Primary				
25764-2576			Yes				
Owner Occupied	Year Built	Historic District					
<input type="radio"/> Yes <input type="radio"/> No		<input checked="" type="radio"/> Yes <input type="radio"/> No					
Historic District Registry No.	Stat Area	Flood Plain					
	2-08B	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Building No							

Owner (This section is not required.)

Search Reset Clear

Name *

Rajat Mathur & Ruchi Prasad

Address Line 1

10606 Reynolds Ct

Address Line 2

Address Line 3

Mail City

Elicott City

Phone

240-899-1430

E-mail

rickyrajat@gmail.com

Cell Number

Mail State

MD

Mail Zip Code

21042(-6364)

Primary

Yes

Fax Number

Submit Cancel

THIS PLAN IS AN INTERPRETATION OF THE GENERAL APPEARANCE AND DIMENSIONS IT IS NOT INTENDED TO BE A PRECISE DEPICTION

This drawing is the property of Signature Elevators and Accessible Design, LLC. The use of these drawings without written approval by Signature Elevators and Accessible Design is prohibited. This drawing is not to be copied, reproduced, or shared with any third party without written.

STRUCTURAL NOTES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION AND INTERNATIONAL RESIDENTIAL CODE (IRC), 2021 EDITION, OSHA SAFETY REQUIREMENTS, CODE OF FEDERAL REGULATIONS, TITLE 29, AND STATE CODE OF MARYLAND AND ANY OTHER LOCAL REGULATIONS, LATEST EDITION.

A. DESIGN LOADS:

- 1. LIVE LOADS ROOF
SECOND FLOORS
FIRST FLOORS
- 2. SNOW LOADS:
GROUND SNOW LOAD P
SNOW WITH DRIFTING SNOW
UNDER SECTION 1608.1 (IBC 2021)
- 3. WIND LOADS:
BASIC WIND SPEED
DESIGN PRESSURE

Digitally signed
by Quinton
Worrell
DN: cn=Quinton, o=QAD, ou=QAD, email=quinton.worrell@qad.com



B. SOIL BEARING VALUE:

MINIMUM REQUIRED ALLOWABLE SOIL BEARING CAPACITY:
1,500 PSF ON ORIGINAL UNDISTURBED SOIL

ALL EXTERIOR FOOTINGS ON UNDISTURBED ORIGINAL SOIL SHALL BE A MINIMUM OF 2'-6" BELOW ADJACENT FINISHED EXTERIOR GRADE.
ALL FOOTINGS SHALL BE CARRIED TO AT LEAST 12" BELOW THE UNDISTURBED SOIL.

THE BOTTOM OF NEW CONC FOOTING ELEVATION SHALL MATCH WITH THE BOTTOM ELEVATION OF THE EXISTING WALL FOOTING. FOOTING ELEVATIONS HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND SHALL NOT BE CONSTRUED AS WAIVING ANY OF THE MINIMUM REQUIREMENTS AS STATED ABOVE.

C. STRUCTURAL STEEL:

- 1. STRUCTURAL STEEL SHALL CONFORM TO AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" LATEST EDITION.
- 2. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36M-03a, UNLESS OTHERWISE NOTED.
- 3. SEE ARCHITECTURAL DRAWINGS FOR ALL REQUIRED MISCELLANEOUS AND PREFABRICATED METAL NOT SHOWN ON STRUCTURAL DRAWINGS.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO: 84664 EXP: 05.18.24

D. FRAMING LUMBER:
DESIGN AND FABRICATION SHALL BE IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION LATEST EDITION, THE AITC STANDARD AND IBC RECOMMENDED FASTENING SCHEDULE. PLYWOOD SHALL CONFORM TO APA (THE ENGINEERED WOOD ASSOCIATION).
MINIMUM REQUIRED WORKING STRESS SHALL BE AS FOLLOWS:

- EXTREME FIBER IN BENDING: SINGLE/REPETITIVE FRAMING LUMBER:
- 1,200/1,400 PSI
- HORIZONTAL TENSION 800 PSI
- HORIZONTAL SHEAR: 95 PSI
- COMPRESSION PARALLEL TO GRAIN: 1050 PSI
- COMPRESSION PERPENDICULAR TO GRAIN: 450 PSI
- MODULUS OF ELASTICITY: 1,400,000 PSI
- FRAMING LUMBER: SOUTHERN PINE NO. 2 OR HEM-FIR NO. 1 OR BETTER

E. GLUED LAMINATED WOOD:
DESIGN AND FABRICATION SHALL BE IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR STRESS GRADE LUMBER AND ITS FASTENINGS" LATEST EDITION; AND THE AITC STANDARD.
CONFORM TO APA (THE ENGINEERED WOOD ASSOCIATION).
MINIMUM REQUIRED WORKING STRESS SHALL BE AS FOLLOWS:

- 1. GLUED LAMINATED WOOD:
- EXTREME FIBER IN BENDING:
- TENSION PARALLEL TO GRAIN:
- HORIZONTAL SHEAR:
- COMPRESSION PARALLEL TO GRAIN:
- COMPRESSION PERPENDICULAR TO GRAIN: MODULUS OF ELASTICITY:

F. EXISTING STRUCTURE:
ALL EXISTING CONDITIONS, MATERIALS, DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING WORK. EXTREME CARE AND SAFETY MEASURES MUST BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE EXISTING STRUCTURES IN ANY WAY. ANY DAMAGE RESULTING FROM CONSTRUCTION WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
PROVIDE TEMPORARY SHORING AS NECESSARY TO ENSURE SAFETY.

G. MISCELLANEOUS:
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY INSERTS, SLEEVES, CLIPS, ANCHORS AND MISCELLANEOUS DEVICES AS MAY BE REQUIRED FOR CONSTRUCTION. DIMENSIONS AND LOCATIONS OF THESE ITEMS SHALL BE VERIFIED BEFORE INSTALLATION.

THIS PLAN IS AN INTERPRETATION OF THE GENERAL APPEARANCE AND DIMENSIONS. IT IS NOT INTENDED TO BE A PRECISE DEPICTION.

This drawing is the property of Signature Elevators and Accessible Design, LLC. The use of these drawings without written approval by Signature Elevators and Accessible Design is prohibited. This drawing is not to be copied, reproduced, or altered in any way without written consent.



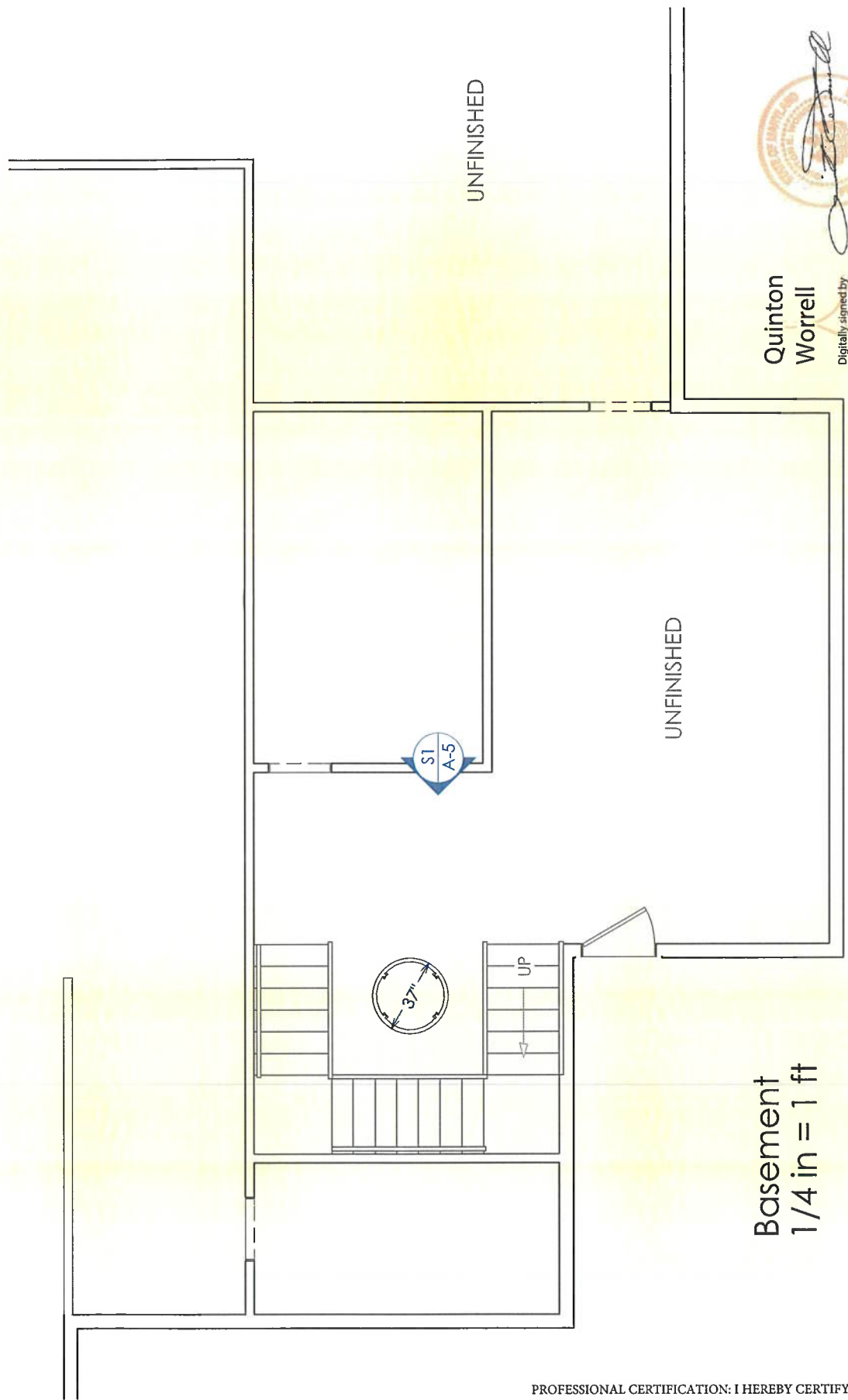
SIGNATURE ELEVATORS & ACCESSIBLE DESIGN LLC
850 E. Gude Dr., Suite C
Rockville, MD
(301) 251-1880

PROJECT OWNER & LOCATION:
Rajat Mathur & Ruchi Prasad
1060B Reynolds Ct.,
Ellicott City, MD, 21042
(240) 899-1430

SCOPE OF WORK:
Supply & install a
Pneumatic Vacuum
Elevator PVE3™
(3 Stops)

SHEET TITLE:
Proposed
Elevator
Installation

A-2



Basement
1/4 in = 1 ft

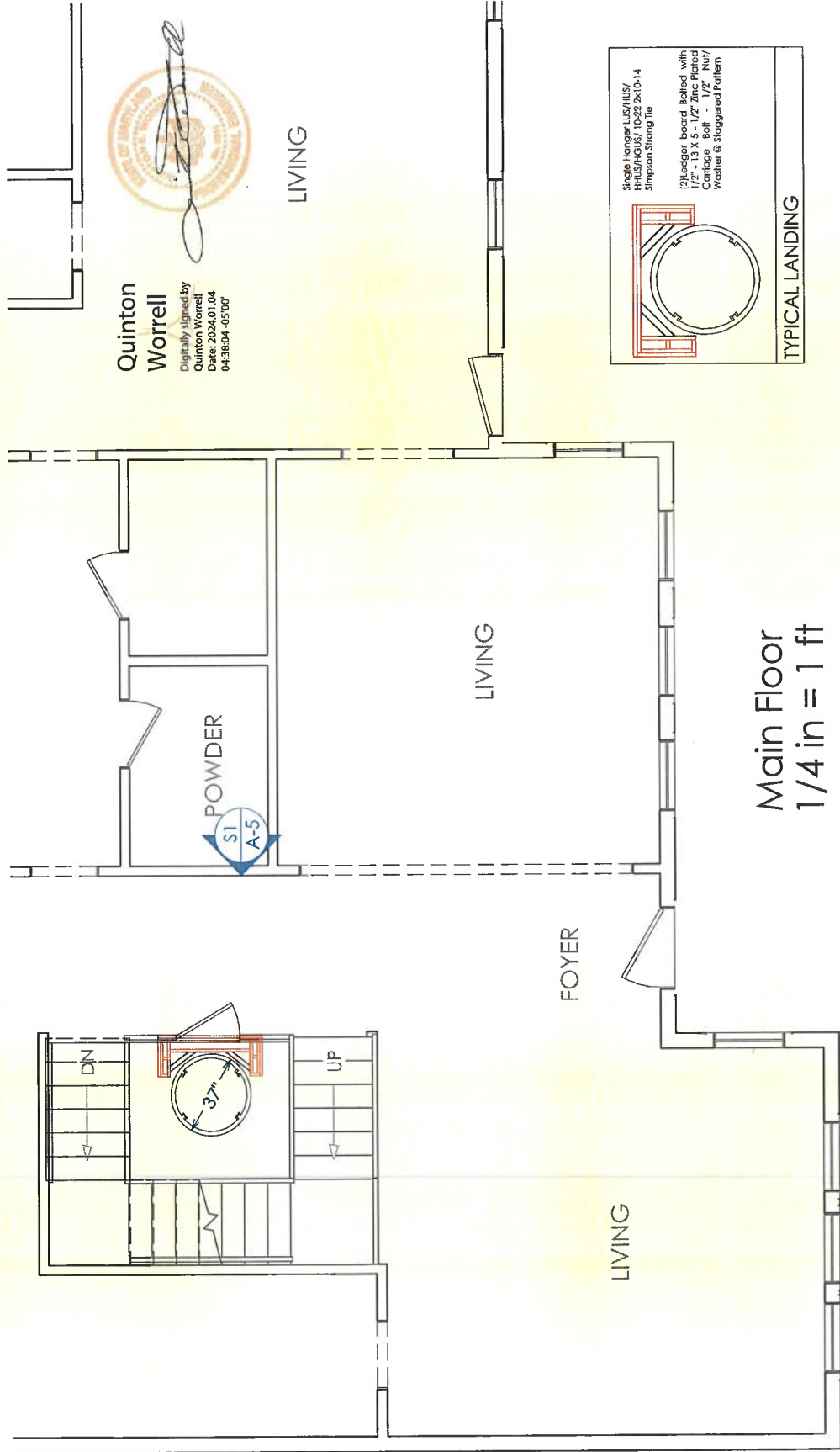


Quinton
Worrell
Digitally signed by
Quinton Worrell
Date: 2024.01.04
04:37:50 -05'00'

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO: 8464 EXP.: 05.18.24

THIS PLAN IS AN INTERPRETATION OF THE GENERAL APPEARANCE AND DIMENSIONS IT IS NOT INTENDED TO BE A PRECISE DEPICTION

This drawing is the property of Signature Elevators and Accessibility Design, LLC. All rights reserved. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or stored with any third party without written permission.



Quinton
Worrell

Digitally signed by
Quinton Worrell
Date: 2024.01.04
09:58:04 -05'00'



LIVING

Main Floor
1/4 in = 1 ft

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO: 8464 EXP.: 05.18.24

SIGNATURE
ELEVATORS & ACCESSIBLE DESIGN LLC
850 E. Gude Dr. Suite C
Rockville, MD
(301) 251-1660

PROJECT OWNER & LOCATION:
Rajat Mathur & Ruchi Parasad
10506 Reynolds Ct.
Ellicott City, MD, 21042
(240) 899-1430

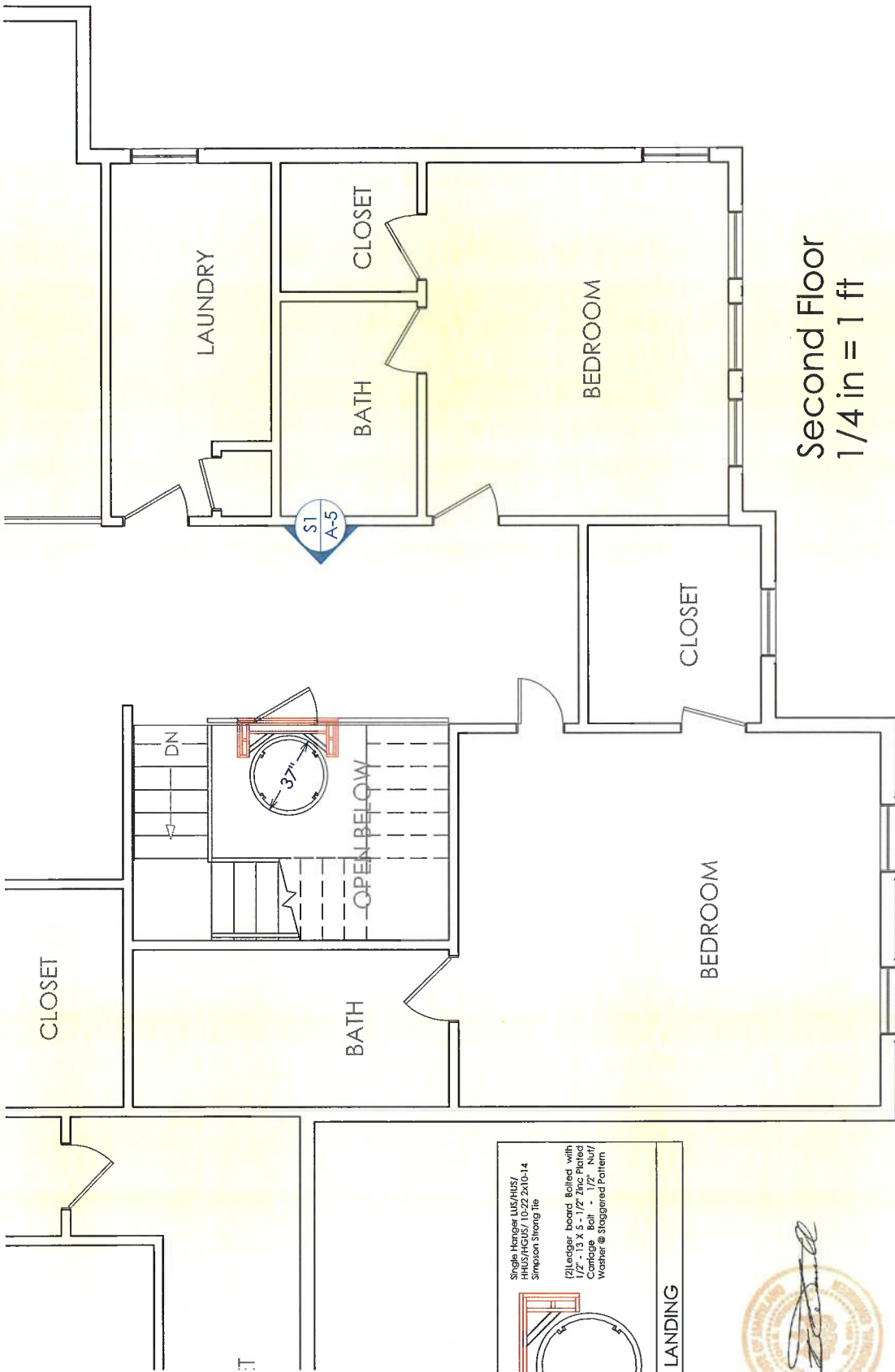
SCOPE OF WORK:
Supply & install a
Pneumatic Vacuum
Elevator PVE37™
(3 Stops)

SHEET TITLE:
Proposed
Elevator
Installation

A-3

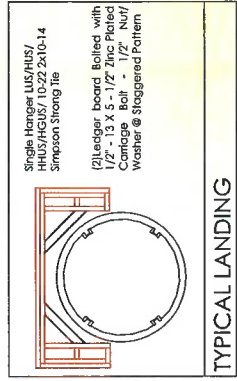
THIS PLAN IS AN INTERPRETATION OF THE GENERAL APPEARANCE AND DIMENSIONS IT IS NOT INTENDED TO BE A PRECISE DEPICTION

This drawing is the property of Signature Elevators and Accessible Design, LLC. The use of these drawings without written approval by Signature Elevators and Accessible Design is prohibited. This drawing is not to be copied, reproduced, or placed with any third party without written consent.



Second Floor
1/4 in = 1 ft

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO: 8464 EXP.: 05.18.24



Digitally signed by Quinton Worrell
 Date: 2024.01.04 04:38:17 -05'00'

SIGNATURE
 ELEVATORS & ACCESSIBLE DESIGN LLC
 850 E. Gude Dr. Suite C
 Rockville, MD
 (301) 251-1880

PROJECT OWNER & LOCATION:
 Rajat Mathur & Ruchi Prasad
 1050B Reynolds Ct.
 Ellicott City, MD, 21042
 (240) 899-1430

SCOPE OF WORK:
 Supply & install a
 Pneumatic Vacuum
 Elevator PVE37M
 (3 Stops)

SHEET TITLE:
 Proposed
 Elevator
 Installation



SIGNATURE ELEVATORS & ACCESSIBLE DESIGN LLC
 850 E. Gude Dr. Suite C
 Rockville, MD (301) 251-1880

PROJECT OWNER & LOCATION:
 Rajat Mathur & Ruchi Prasad
 10509 Reynolds Ct.
 Ellicott City, MD, 21042
 (240) 699-1430

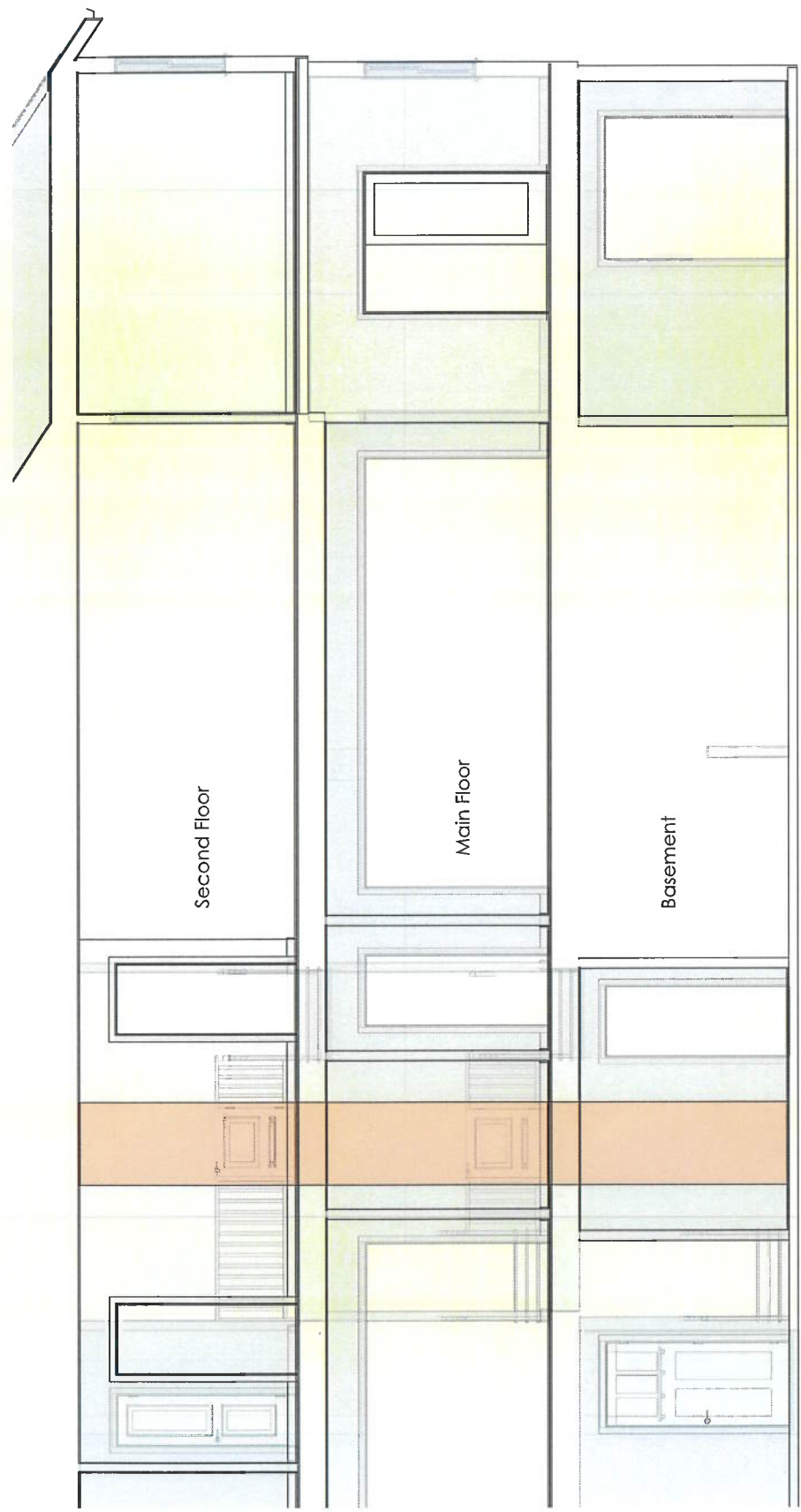
SCOPE OF WORK:
 Supply & install a
 Pneumatic Vacuum
 Elevator PVE37™
 (3 Stops)

SHEET TITLE:
 Cross Section

A-5

This drawing is the property of Signature Elevators and Accessible Design, LLC. The use of these drawings without written approval by Signature Elevators and Accessible Design is prohibited. This drawing is not to be copied, reproduced, or stored with any third party without written.

THE PLAN IS AN INTERPRETATION OF THE GENERAL APPEARANCE AND DIMENSIONS IT IS NOT INTENDED TO BE A PRECISE DEPICTION



PVE37™

Cross Section 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSES PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO: 8464 EXP.: 05.18.24

