



Howard County
Health Department

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 9/15/25 **ONSITE SEWAGE DISPOSAL SYSTEM** P 590203

APPROVAL DATE: 10/20/25 **PERMIT: NEW CONSTRUCTION** A _____

PROPERTY ADDRESS: 1400 Shaffersville Road

SUBDIVISION: _____ LOT: _____ TAX ID: _____

CONTRACTOR: Freedom Septic EMAIL: _____

CONTRACTOR ADDRESS: 2809 Liberty Rd. Ellersburg 21784 PHONE: _____

PROPERTY OWNER: The David W Rushe Revocable trust EMAIL: _____

OWNER ADDRESS: 941 Sperry Way, Sykesville, MD 21784 PHONE: 301-440-7510

SEPTIC TANK SIZE: 1500 PUMP SIZE: _____ PUMP TANK CAPACITY: _____

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>121</u> <u>4@31'</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7.5</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>12</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3</u>
LOCATION:	SYSTEM TO BE STAKED BY DESIGNER AND VERIFIED BY APPROVING AUTHORITY DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:		

ISSUED BY: Hank Oswald ISSUE DATE: 9/15/25 EXPIRATION DATE: 9/15/26

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
 NOTE: CONTRACTOR REGISTERED WITH THE STATE OF MD ON-SITE WASTEWATER PROFESSIONALS BOARD: CONFIRMED

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
 NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
 NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
 NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E _____

NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.

NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.

NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

See separate sheet
for Asphalt

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
5'	2.5'-3'	7.5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		121'
ABSORPTION AREA		263ft ² + Sidewall
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL Yes

MANUFACTURER Babylon

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 2'

BAFFLES 6" Front / 4" back

BAFFLE FILTER -

MANHOLE LOC Front/Back

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED Yes

DATE ON LID 9-9-25

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

SEPTIC CONTRACTOR ONSITE INSTALLING SYTEM: Don Farrow

SEPTIC CONTRACTOR ONSITE LICENSED WITH THE STATE OF MD: (YES) NO

PRE-CONSTRUCTION NOTES:

9/16/25 - laid out 4 trenches @ 31' each w/ contractor.

Septic tank's dbox are staked but contractor will be moving

the dbox closer to the beginning of the first trench - ok to

start install - (sewer line coming out of the house under the footer. (MR))

INSTALLATION NOTES:

10/10/25 Contractor has sewer house connection, front line, and Septic tank installed. Pipe is bedded on dirt. Tank is level. 2' cover max. 6" front baffle in. Told contractor that any work completed on Monday (holiday) will need to be left open. Per RW contractor can leave 10' of each trench open for inspection and cover the rest. (MR)

10/14/25 Contractor has d box and all four trenches installed. Inlets at 2.5-3' Stone OK. Distance between trenches OR Trench lengths OK. D-box leveled. Geotextile Fabric and obs. ports installed. 4" back baffle installed in ST. OK to backfill work. (MR)

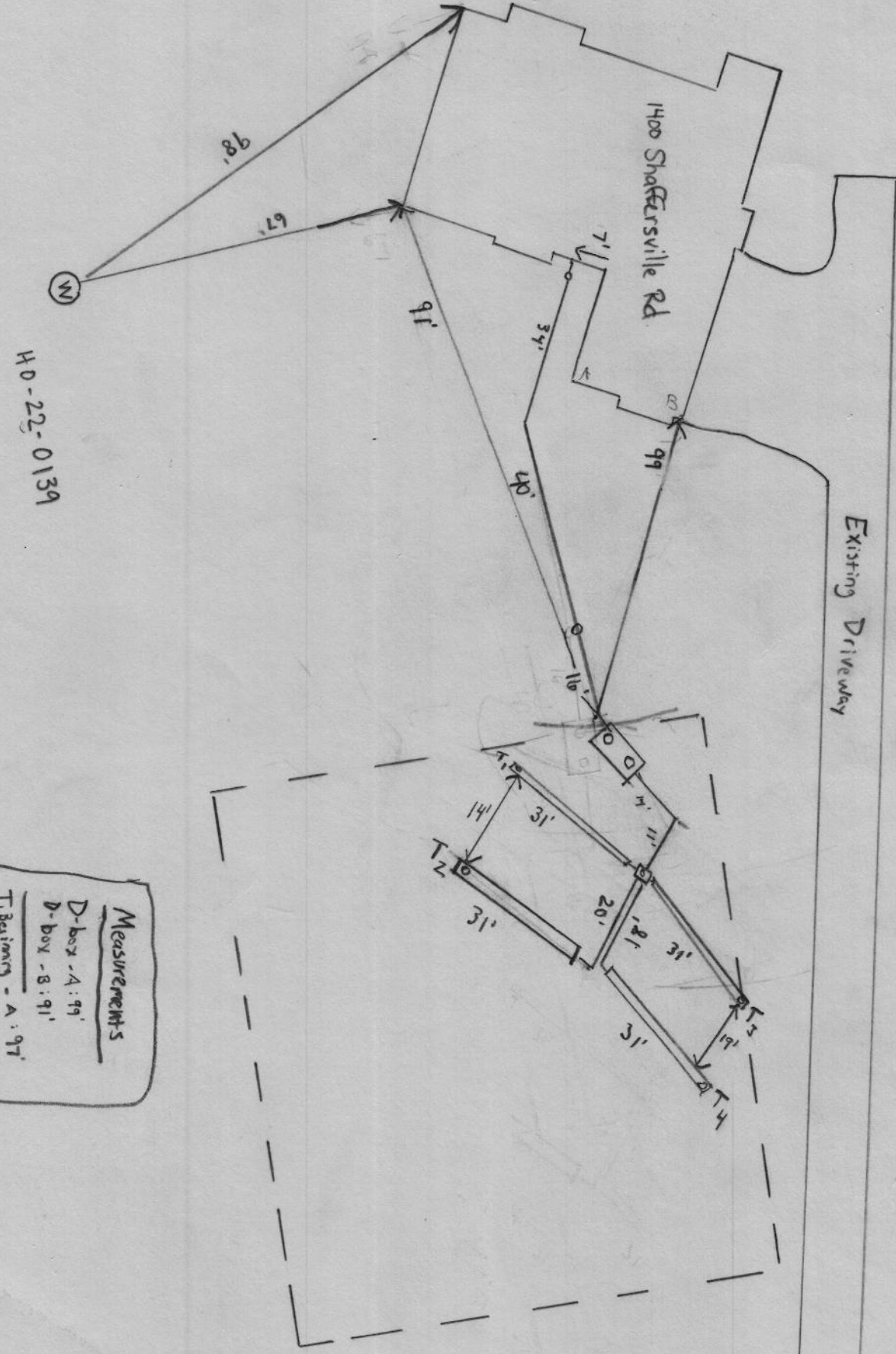
CONTROL PANEL DATA

CONTROL PANEL HEIGHT N/A
(MIN 30")

INSPECTION DATE ↓

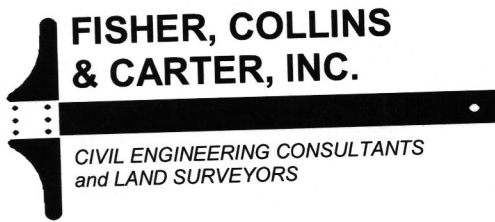
INSPECTION: PASS/FAIL (CIRCLE ONE)

NOT TO SCALE 1" = 30'



Measurements
D-box - A : 99'
D-box - B : 91'
T1 Beginning - A : 97'
T1 Beginning - B : 90'
T1 End - A : 75'
T1 End - B : 73'

105
106
B 13
A 79



5. *Match legend symbol color for well box to WB shown in layout.*

Response: The legend symbol color has been revised to WB.

6. *Label initial, 1st and 2nd replacement systems shown in layout.*

Response: The initial, 1st and 2nd replacement system has been labeled.

Thank you for your technical review. The comments have been addressed on the revised plans.

Very Truly Yours,
Fisher, Collins and Carter, Inc.

Paul G. Cavanaugh, P.E.

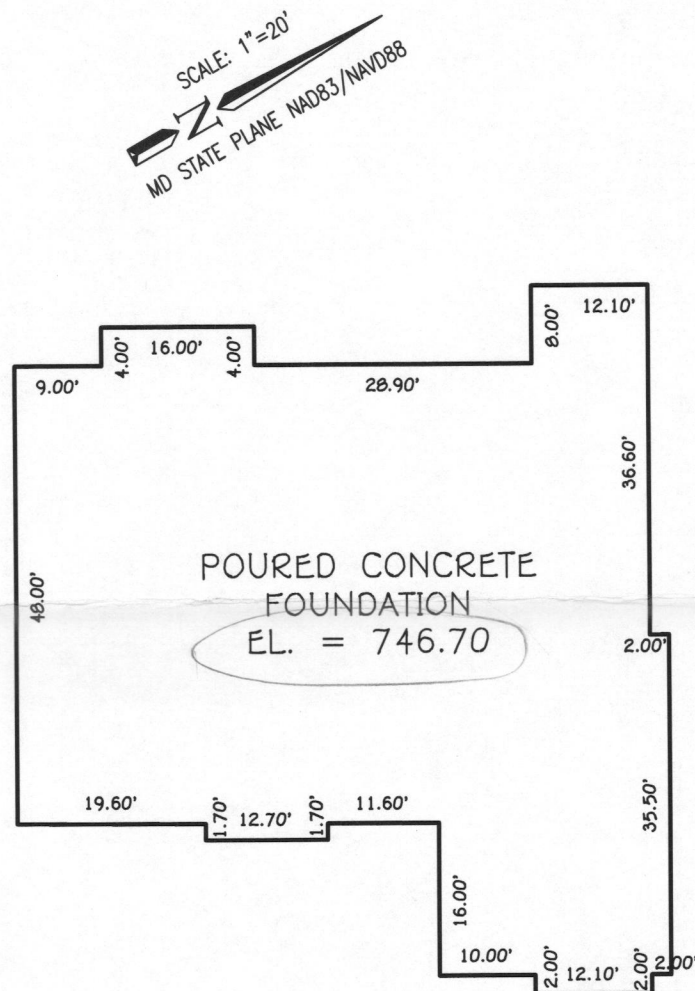
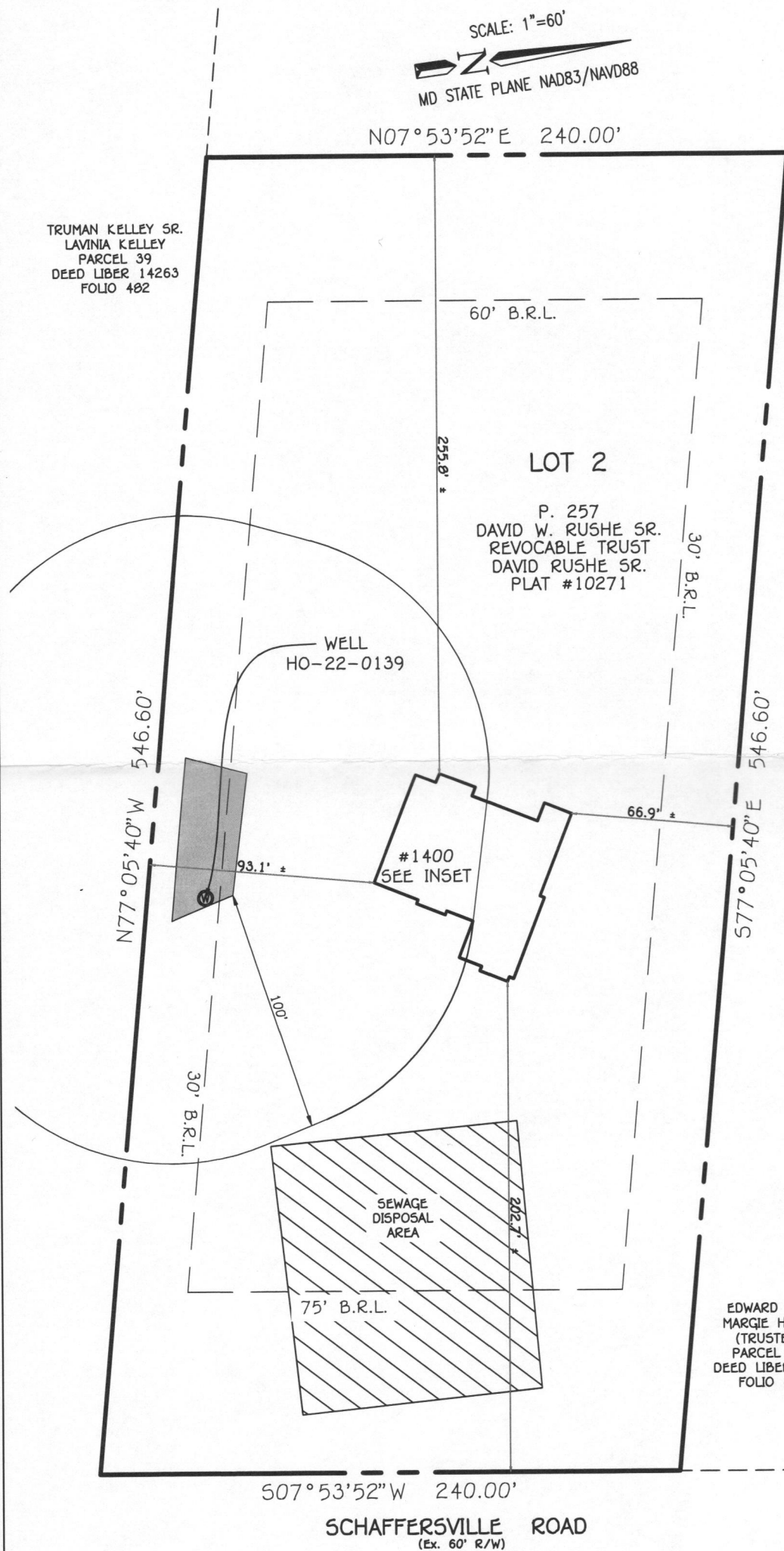
A handwritten signature in black ink, appearing to read "Paul G. Cavanaugh". The signature is written in a cursive style and is enclosed within a large, sweeping, handwritten flourish that extends to the left and then underlines the text below.

W.O. # 24053

Cc: File

GENERAL NOTES:

- 1) THE PURPOSE OF THIS SURVEY IS TO REPRESENT THE POSITION OF THE POURED CONCRETE FOUNDATION AND OTHER VISIBLE IMPROVEMENTS AFFECTING THE SUBJECT PROPERTY BASED OFF OF A FIELD RUN SURVEY PERFORMED SEPTEMBER 9, 2025.
- 2) THIS SPECIAL PURPOSE SURVEY IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATION OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS; AND DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES.
- 3) DIMENSIONS TO THE BOUNDARY LINES SHOWN HEREON ARE PLUS OR MINUS ONE HALF FOOT (0.5').
- 4) THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE X, WHICH IS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD HAZARD, AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP FOR HOWARD COUNTY, MARYLAND, MAP NUMBER 24027C0010D WITH AN EFFECTIVE DATE OF NOVEMBER 06, 2013.
- 5) B.R.L. = BUILDING RESTRICTION LINE
- 6) BUILDING PERMIT: B25001430
- 7) THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-22-0139) HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN
- 8) NO TITLE REPORT WAS REVIEWED AND IS SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 9) SURVEYORS CERTIFICATION: I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON WAS OBTAINED USING ACCEPTED LAND SURVEYING PRACTICES; AND THAT THE BOUNDARY INFORMATION SHOWN HEREON IS TAKEN FROM AVAILABLE DEEDS AND RECORDS; AND THAT THIS PLAT AND THE SURVEY ON WHICH IT IS BASED ON WERE PREPARED UNDER MY RESPONSIBLE CHARGE AND ARE IN COMPLIANCE WITH COMAR REGULATION 09.13.06.12; AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 22030, EXPIRATION DATE MAY 11, 2026.



INSET
SCALE 1" = 20'

Well Check Okay
-H.O.

#1400 SHAFFERSVILLE ROAD
TAX MAP: 6, GRID: 12, PARCEL: 257
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2955

STATE OF MARYLAND
ROBERT EVANS WALKER
PROFESSIONAL LAND SURVEYOR
No. 22030
9/12/2025
PROFESSIONAL LAND SURVEYOR DATE
REG. #22030 EXP. 05/11/2026

SPECIAL PURPOSE SURVEY

FOUNDATION LOCATION: 9/9/25
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=60'
DATE: 9/12/2025
DRAWN BY: ZCB
CHECKED BY: REW
PROJECT No.: 24053

7/22/24	RB
8/29/24	RB
9/8/24	RB
12/17/24	RB
2/12/25	RB
4/17/25	RB

RB Home Design
 1419 CHESAPEAKE AVE. MIDDLE RIVER MD 21220
 RBHOMEDSIGN@HOTMAIL.COM
 443-613-5115

RUSHE RESIDENCE
 1400 SHAFFERSVILLE RD
 MOUNT AIRY MD 21771

THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRECTED AT SITE. FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION OF THE WORK OF ALL TRADES.

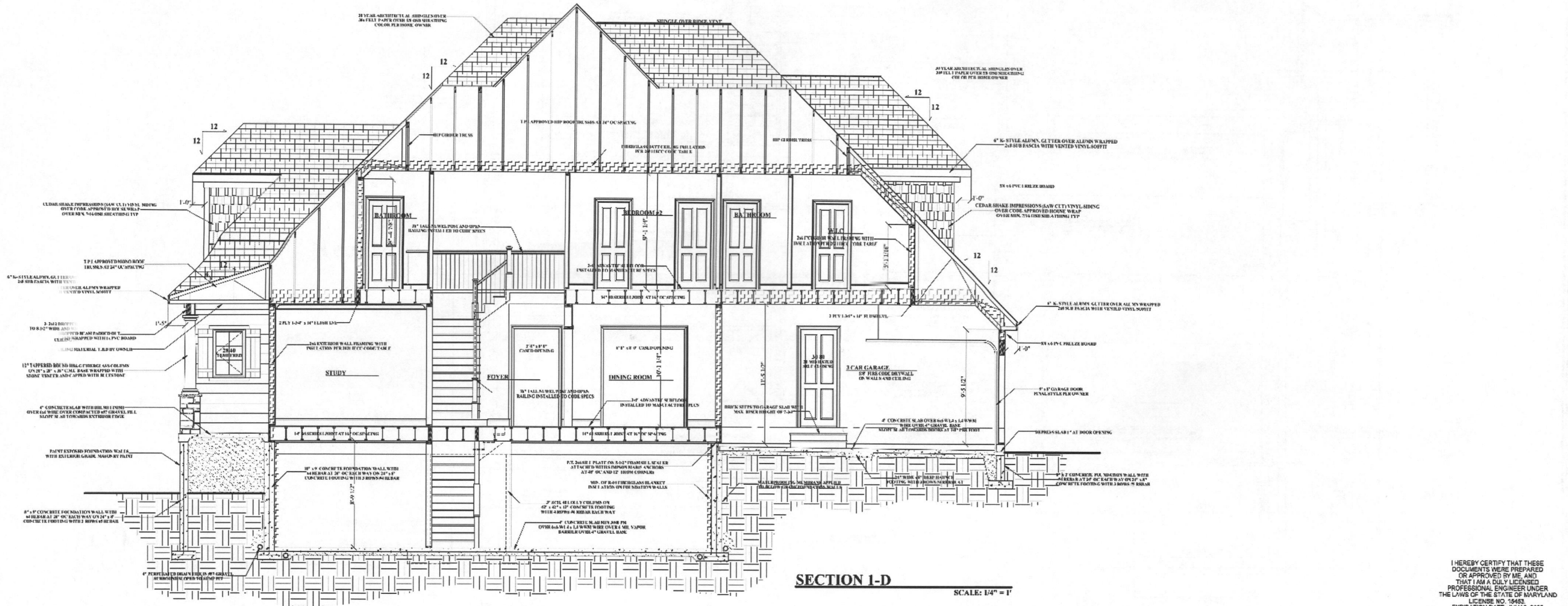
RB HOME DESIGN
 DATE: 4/17/25
 SCALE: 1/4" = 1'
 DRAWN BY: RB
BUILDING SECTIONS
 SHEET NO. **A-6**

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. 19482. EXPIRATION DATE: JULY 2, 2025.

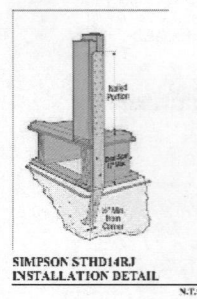
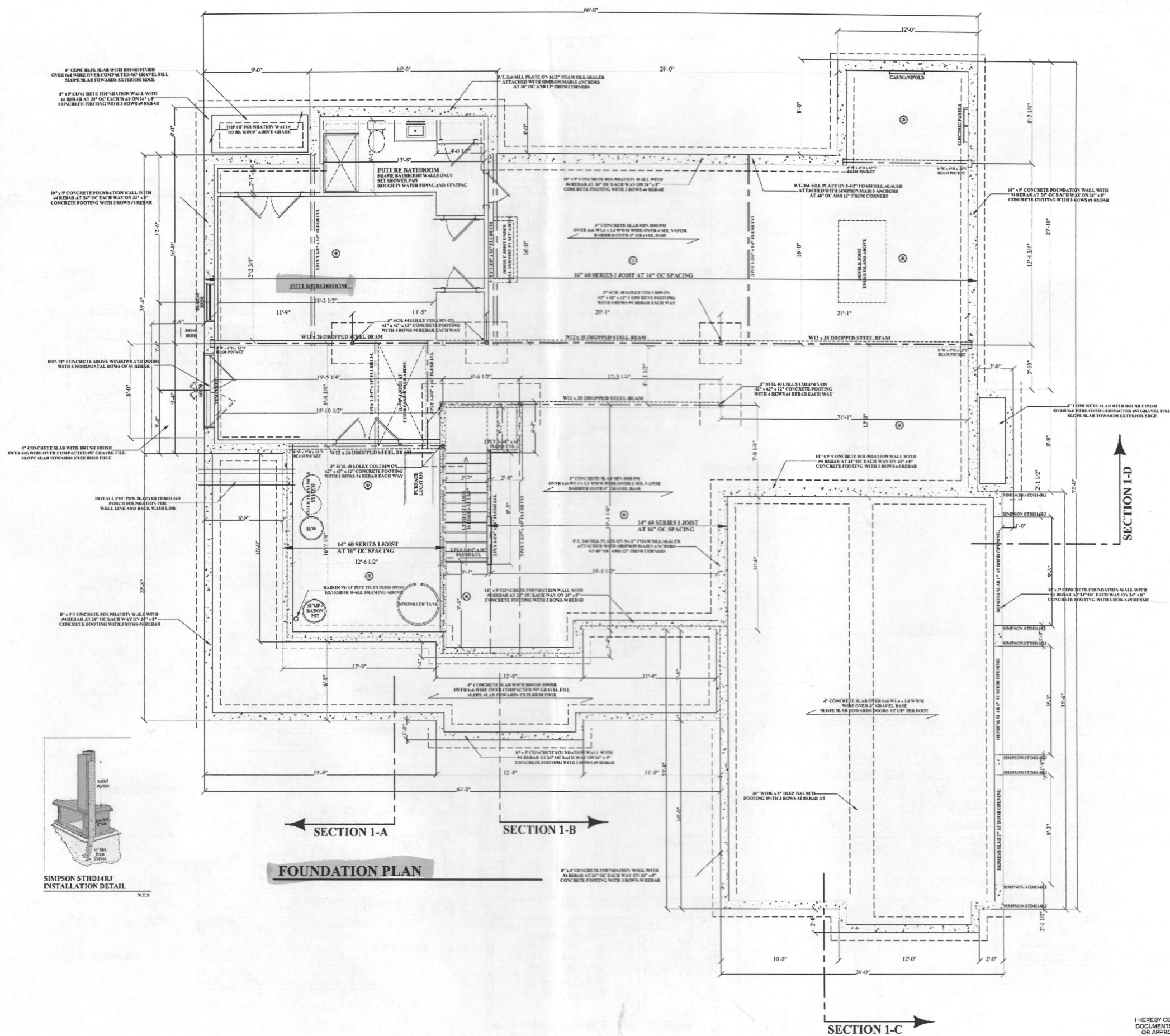
FOR CONSTRUCTION PLANS



SECTION 1-C
 SCALE: 1/4" = 1'



SECTION 1-D
 SCALE: 1/4" = 1'



FOUNDATION PLAN

7/22/24	RB
8/29/24	RB
9/8/24	RB
12/17/24	RB
2/12/25	RB
4/17/25	RB

RB Home Design
 1419 CHESAPEAKE AVE. MIDDLE RIVER MD 21220
 RBHOMEDSIGN@HOTMAIL.COM
 443-613-5115

RUSHE RESIDENCE
 1400 SHAFFERSVILLE RD
 MOUNT AIRY MD 21771

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RB HOME DESIGN

DATE: 4/17/25

SCALE: 1/4" = 1'

DRAWN BY: RB

FOUNDATION PLAN

SHEET NO.

S-1

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. 15453 EXPIRATION DATE: JULY 2, 2025

FOR CONSTRUCTION PLANS

7/22/24	RB
8/29/24	RB
9/8/24	RB
12/17/24	RB
2/12/25	RB
4/17/25	RB

RB Home Design
 1419 CHESAPEAKE AVE, MIDDLE RIVER MD 21220
 RBHOMEDSIGN@HOTMAIL.COM
 443-613-5115

RUSHE RESIDENCE
 1400 SHAFFERSVILLE RD
 MOUNT AIRY MD 21771

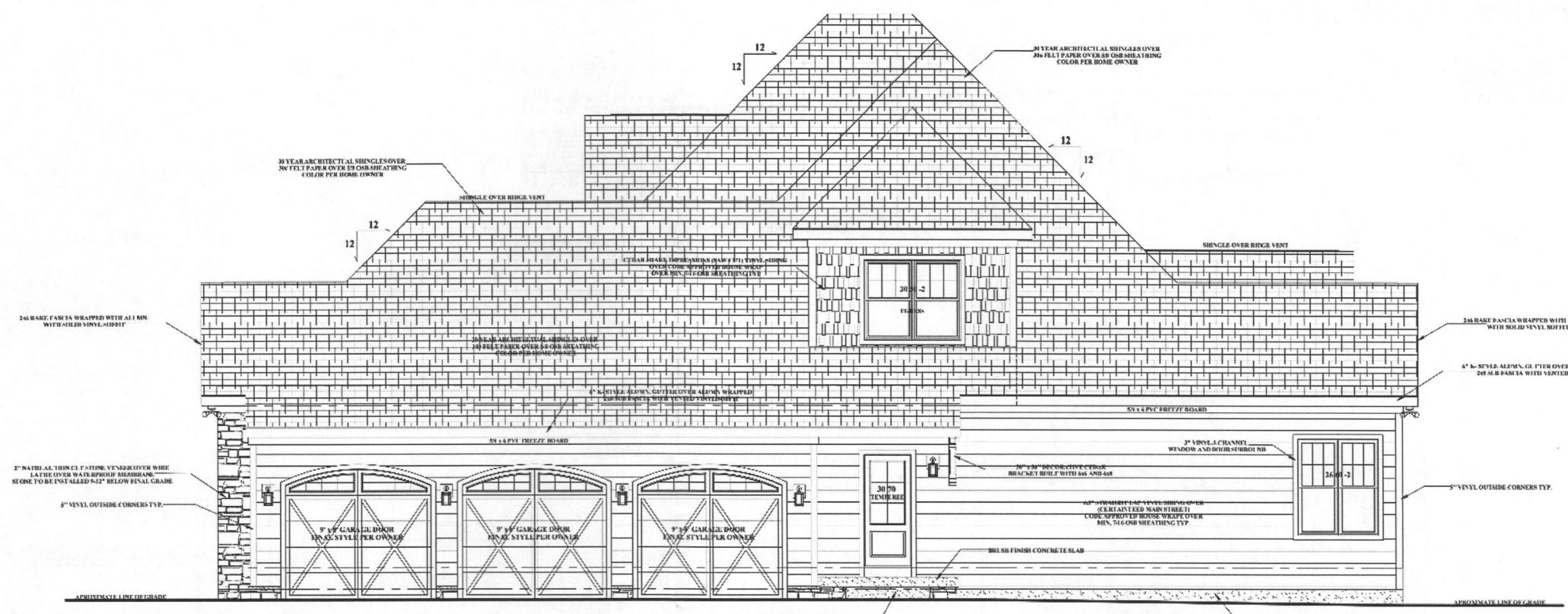
THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRECTED AT SITE FOR INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION OF THE WORK OF ALL TRADES

RB HOME DESIGN
 DATE: 4/17/25
 SCALE: 1/4" = 1'
 DRAWN BY: RB
 LEFT / RIGHT ELEVATIONS
 SHEET NO.

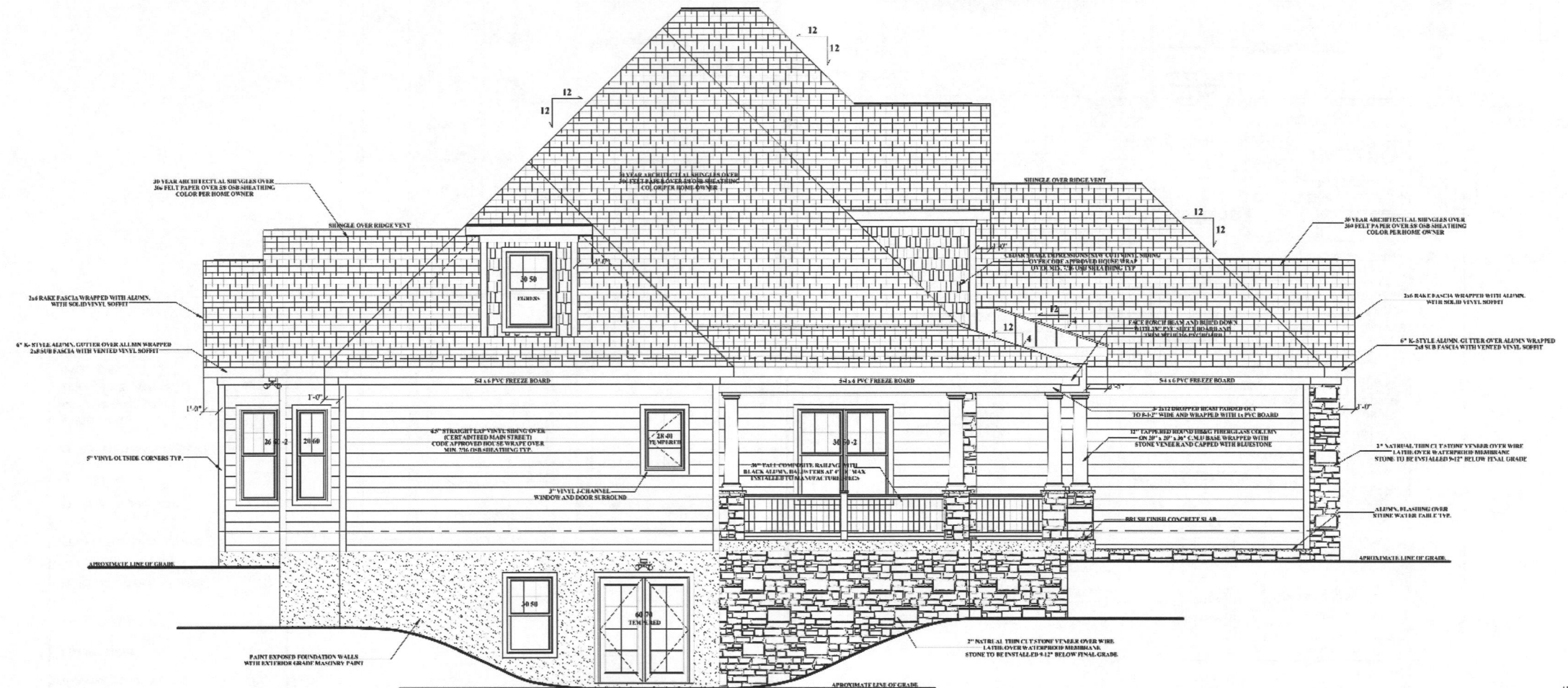
A-2

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. 15485 EXPIRATION DATE: JULY 2, 2026

FOR CONSTRUCTION PLANS

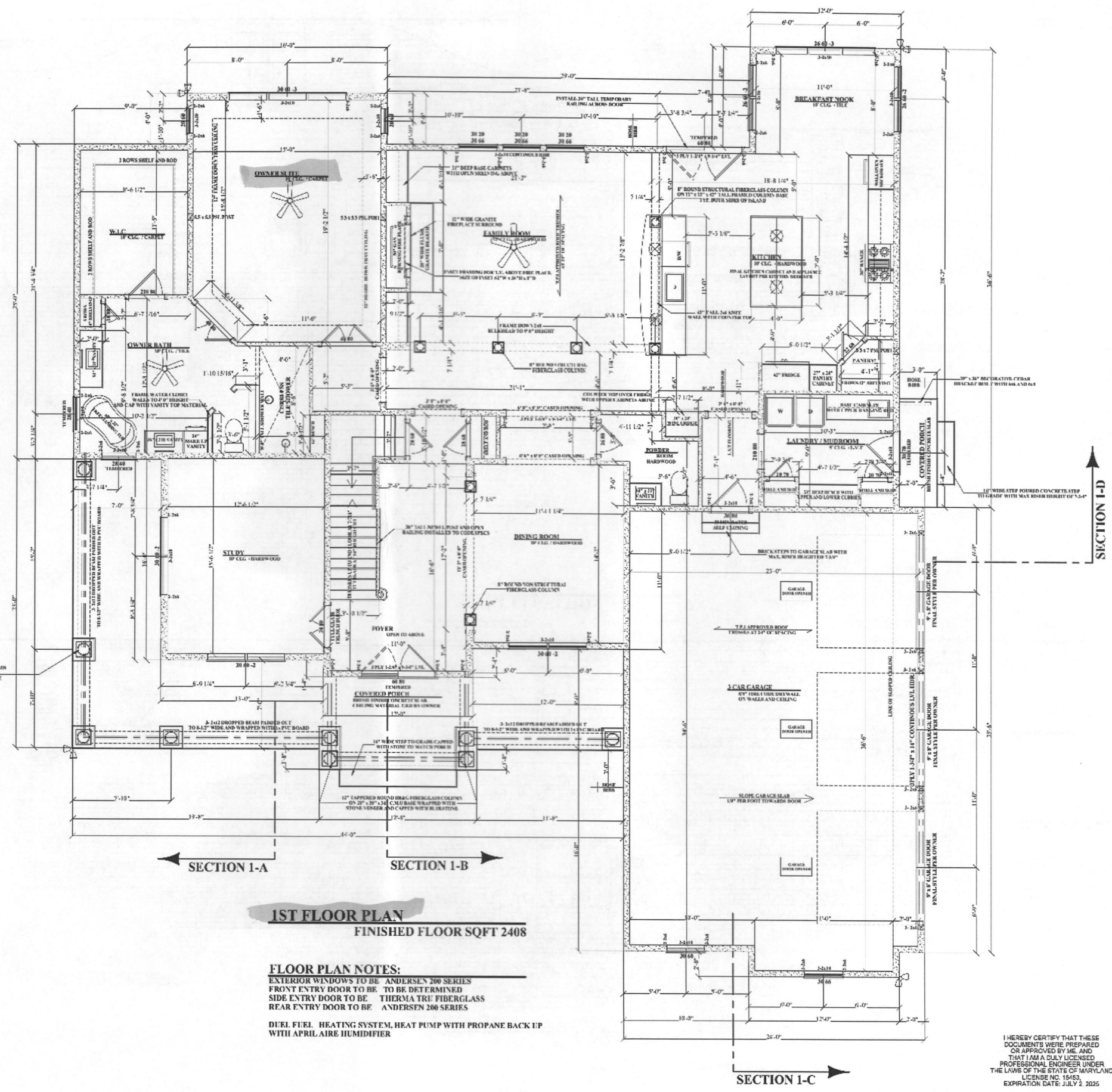


RIGHT ELEVATION



LEFT ELEVATION

ELECTRICAL SYMBOL LEDGEND	
STANDARD LIGHT BULB	
RECESSED LIGHT	
2" EYEBALL RECESSED LIGHT	
HANGING PENDENT LIGHT	
CEILING LIGHT	
EXHAUST FAN	
LIGHT / EXHAUST FAN COMBO	
CEILING FAN / LIGHT COMBO	
EXTERIOR FLOOD LIGHT	
WALL SCONCE	
24" x 48" FLUORESCENT LIGHT	
CABLE JACK	
DUPLEX RECEPTACLE	
SINGLE POLE SWITCH	
3 WAY SWITCH	



1ST FLOOR PLAN
FINISHED FLOOR SQFT 2408

FLOOR PLAN NOTES:
 EXTERIOR WINDOWS TO BE ANDERSEN 200 SERIES
 FRONT ENTRY DOOR TO BE TO BE DETERMINED
 SIDE ENTRY DOOR TO BE THERMA TRU FIBERGLASS
 REAR ENTRY DOOR TO BE ANDERSEN 200 SERIES
 DUEL FUEL HEATING SYSTEM HEAT PUMP WITH PROPANE BACK UP
 WITH APRIL AIRE HUMIDIFIER

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. 16463 EXPIRATION DATE: JULY 2, 2025

FOR CONSTRUCTION PLANS

7/22/24	RB
8/29/24	RB
9/8/24	RB
12/17/24	RB
2/12/25	RB
4/17/25	RB

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 RBHOMEDSIGN@HOTMAIL.COM
 443-613-5115

RUSHE RESIDENCE
 1400 SHAFFERSVILLE RD
 MOUNT AIRY MD 21771

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RB HOME DESIGN
 DATE: 2/12/25
 SCALE: 1/4" = 1'
 DRAWN BY: RB
 1ST FLOOR PLAN
 SHEET NO.

A-3