

www.souratigroup.com

Martha's Vineyard Office  
107 Beach Rd., Suite 202  
P.O. Box 4458, Vineyard Haven, MA 02568  
Phone: 508-693-9933, Fax: 508-693-4933

Nantucket Office:  
35 Old South Road, Nantucket, MA 02554  
Phone: 508-228-7888, Fax: 508-228-5511

July 10, 2020

Oak Bluffs Zoning Board of Appeals  
P.O. Box 1327  
Oak Bluffs, MA 02557

RE: **Application for a Special Permit**  
**Josh Schawbel, Applicant**  
**Eulalie M. Lee, Owner**  
**Assessor's Map 7, Parcel 119**  
**52 Eastville Avenue, Oak Bluffs, MA 02557**  
**Demo Residence and Garage, Construct New Residence,**  
**Sewage Disposal System and Associated Utilities**

Dear Board Members,

Please find enclosed a Zoning Board of Appeals Request for a Hearing for the above described property. The applicant is seeking permission to demolish an existing residence and a detached garage, and to construct a new single family residence, sewage disposal system and associated utilities on the property. A portion of the project lies below the 100 year Flood Zone. Enclosed is a filing fee check in the amount of \$275.00.

Supporting documents enclosed:

- A copy of the current property deed, Book 213, Page 503.
- A copy of the filing fee check.
- Certified Abutters list Request, to be provided to ZBA by the Assessor's Office.
- A New Sewage Disposal System Plan in Oak Bluffs, MA prepared for Josh Schawbel, Applicant, by Sourati Engineering Group, LLC dated March 16, 2020, revised June 24, 2020, scale as noted (2 copies).
- Proposed Architectural Plans prepared for Josh Schawbel (2 copies).
- A Foundation Plan prepared for Josh Schawbel, Applicant, by Sourati Engineering Group, LLC dated March 16, 2020, revised June 24, 2020, scale as noted (2 copies).

Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "George Sourati".

George A. Sourati, P.E.

SEG 102263



# TOWN OF OAK BLUFFS Zoning Board of Appeals Request for a Hearing

July 10, 2020

PLEASE PRINT

**Applicant Information:**

JOSH SCHAWBEL

Name (print) 211 SCHOOLMASTER'S LANE Phone \_\_\_\_\_ Email \_\_\_\_\_  
DEDHAM, MA 02026

Address PO Box City/Town  
Property in Oak Bluffs to be reviewed by the OB ZBA  
Map 7 Lot 119 Street Address 52 EASTVILLE AVENUE  
Property Owner EULALIE M. LEE, C/O DR. ARTHUR LEE  
Business Owner \_\_\_\_\_

**The Applicant is Petitioning the Zoning Board of Appeals for (please Check):**

Special Permit OB Bylaws S. 10.3 MGL C.40A §§ 6, 9

Variance OB Zoning Bylaws S. 10.2.2 MGL C. 40A §10

Review a Zoning Action or Enforcement or Lack thereof. Zoning Bylaws S. 10.2.3, MGL C. 40A §§8, 15

The undersigned hereby petitions the Board of Appeals to grant a Special Permit, Variance, or to Review a Zoning Decision or any action or lack of enforcement pertaining thereto of the Zoning By-Laws of the Town of Oak Bluffs at the address located at 52 EASTVILLE AVENUE, in the Town of Oak Bluffs, in the following respect: **Section 9.1.A Coastal District:** To allow the ridge height of the single family residence 26'-3" above mean grade instead of 24'. **Section 8.1 Flood Plain Overlay District:** To allow the construction of a single family residence a driveway, a sewage disposal system and associated utilities all partially located below the 100-year flood elevation.

Relating to Section(s) 9.1.A Coastal District; 8.1 Flood Plain Overlay District of The Town of Oak Bluffs Zoning Bylaws

Name George A. Sourati, Representative

Signature *George Sourati*

**SOURATI ENGINEERING GROUP, LLC**

107 BEACH RD., STE. 202 P.O. BOX 4458  
VINEYARD HAVEN, MASSACHUSETTS 02568  
(508) 693-9933



**Martha's Vineyard**

SAVINGS BANK  
Edgartown, MA  
53-7292/2113



7-13-20

PAY TO THE  
ORDER OF

*Town of Oak Bluffs*  
*Two hundred seventy-five <sup>00</sup>/<sub>100</sub>*

\$275.00

DOLLARS

MEMO *102263 Schaubel*  
*ZBA filing fee*



*George Lozada*

AUTHORIZED SIGNATURE

⑈0080⑈ ⑆2⑆⑆372925⑆ 45 170⑆⑆9⑈

**SOURATI ENGINEERING GROUP, LLC**

7-13-20

*Town of Oak Bluffs*

\$275.00

*102263 Schaubel*

*ZBA application fee*

**SOURATI ENGINEERING GROUP, LLC**



Town of Oak Bluffs Assessing Department

PO Box 1327  
Oak Bluffs, MA 02557  
(508) 693-3554  
FAX (508) 696-7736

**CERTIFIED ABUTTERS LIST REQUEST**

Name of person requesting abutters list: Debbie McCormick  
Address of person requesting abutters list: Sourati Engineering Group, LLC  
Phone: 508-693-9933

Abutters to (subject property): Map 7 Parcel 119  
Map \_\_\_\_\_ Parcel \_\_\_\_\_

Street address of subject property: 52 EASTVILLE AVENUE

Sets of Label 1 (ZBA)

Check one:

- Properties within 300'
- Direct abutters (includes properties across street)
- Immediate abutters (includes only properties with a common property line)
- Other (specify) \_\_\_\_\_

PLEASE SUBMIT FEE WITH APPLICATION

Fee: \$28.00



2019 00003113

Bk: 1498 Pg: 492 Doc: TAKE  
Page: 1 of 1 06/12/2019 09:09 AM

COMMONWEALTH OF MASSACHUSETTS  
TOWN OF OAK BLUFFS  
Office of the Collector of Taxes

INSTRUMENT OF TAKING

I, CHERYLL A. SASHIN, CMMC,  
Collector of Taxes for the City/Town of  
OAK BLUFFS, acting under  
General Laws Chapter 60, Sections 53 and 54,  
hereby take for the city/town the real property  
described below:

DESCRIPTION OF PROPERTY

PROPERTY: LAND & BUILDING  
CONTAINING: 0.64 AC (more or less)  
LOCATION: 52 EASTVILLE AV  
PARCEL ID: 0007-0119  
REGISTRY: 213/503  
LAND COURT: -  
RECORDED AT: DUKES COUNTY REGISTRY OF DEEDS

This land is taken because taxes, as defined in Chapter 60,  
Section 43, assessed on the property to:  
LEE EULALIE M

for the fiscal year 2018 were not paid within fourteen (14)  
days after a demand for payment was made on  
LEE EULALIE M on May 14, 2018  
After notice of intention to take the land was given as  
required by law, they remain unpaid along with interest  
and incidental expenses and costs to the date of taking  
as follows:

Fiscal Year 2018 TAXES REMAINING UNPAID. . . . .	\$37.99
INTEREST to date of taking . . . . .	\$5.32
INCIDENTAL EXPENSES AND COSTS to Date of Taking. . . . .	\$89.00
TOTAL FOR WHICH LAND/LEASE IS TAKEN. . . . .	\$132.31

*Cheryl A. Sashin*

CHERYLL A. SASHIN, CMMC

Executed as a sealed instrument on May 1, 2019

THE COMMONWEALTH OF MASSACHUSETTS

On this day of MAY 1, 2019 before me,  
the undersigned Notary Public, personally  
appeared CHERYLL A. SASHIN, CMMC, proved to me through  
satisfactory evidence of identification, which were  
to be the person whose name is  
signed on the preceding or attached document, and acknowledged  
to me that he/she signed it voluntarily for its stated purpose,  
as Collector of Taxes for the town of  
OAK BLUFFS

*Oliver Ryan Butler*



My commission expires MARCH 26, 2021

THIS FORM APPROVED BY THE COMMISSIONER OF REVENUE

ATTEST: Paulo C. DeOliveira, Register

Dukes County Registry of Deeds

THIS HOME HAS BEEN DESIGNED SPECIFICALLY

BUILDER:  
**ARROW HEAD HOMES**

CHAMPION FACTORY 041  
CHAMPION MODULAR, INC.  
10642 S. SUSQUEHANNA TRAIL  
LIVERPOOL, PA 17045

CHAMPION  
MODULAR

BRAND:



BUILDER:

**ARROW HEAD HOMES**

CUSTOMER/PROJECT:

ENGINEER'S / ARCHITECT'S SEAL



APPROVERS SEAL

MODIFICATIONS

PD#2	11/8/19	DLN
PD3	11-18-19	SAN
PD#4	11/25/19	DLN
PD5	1-23-20	JPF
FN	2/11/20	KHH
SN	3/16/20	ATT

PROJECT:

**42245  
CAPE**

TITLE:

**COVER SHEET**

DRAWN BY: SAN

DATE: 11-04-19

SCALE:

FILENAME: 42245 SN

SHEET:

**COVER**

1

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52 EASTVILLE AV  
OAK BLUFFS  
MASS 02557

DUKES COUNTY

- ALL ON-SITE CONNECTIONS TO BE VERIFIED BY THE CONSTRUCTION SUPERVISOR
- THERE ARE NO LOT LINE FIRE SEPERATION REQUIREMENTS
- THIS HOUSE IS PREPPED FOR ON-SITE SOLAR PANELS
- THERE ARE NO LOT LINE FIRE SEPERATION REQUIREMENTS

**PFS CORPORATION**  
Approval Limited to Factory Built Portion Only

State: **Massachusetts**  
Signature: *Harold Raup*  
Title: **Staff Plan Reviewer**  
Date: **4/22/20**

**DRAWING INDEX:**

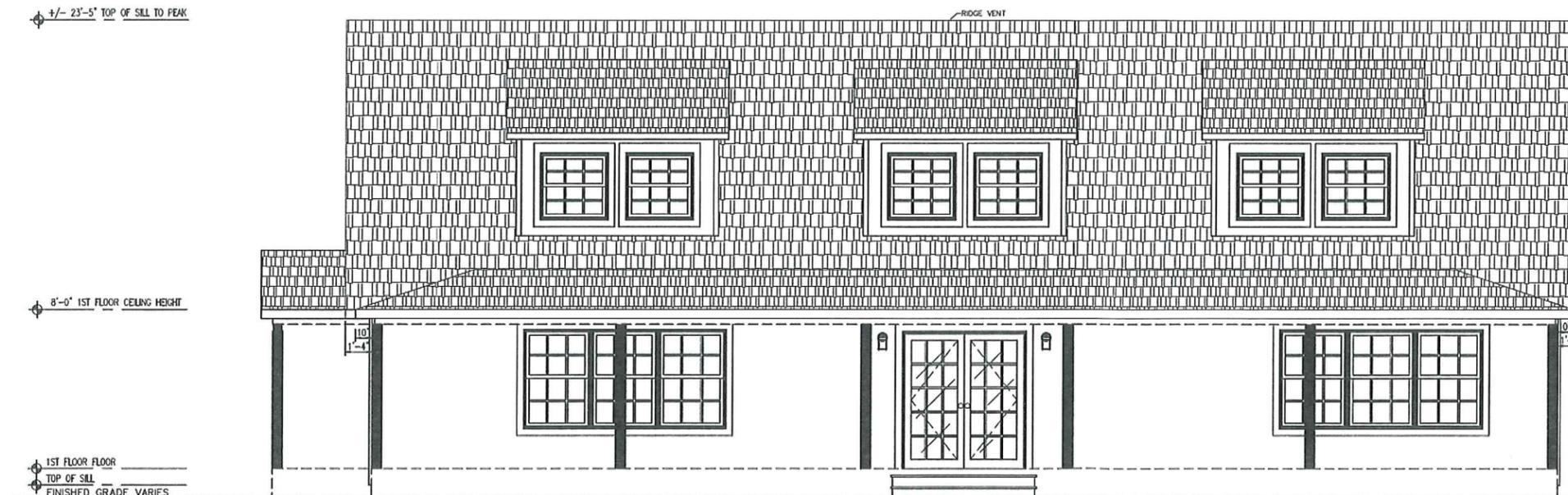
PAGE NUMBER	DESCRIPTION
1	COVER SHEET
2	ELEVATIONS
3	1ST FLOOR PLAN
4	2ND FLOOR PLAN
5	1ST FLR ELECTRICAL
6	PANEL SCHEDULE
7	ELECTRIC INFORMATION
8	FOUNDATION
9	CROSS SECTION (2 PAGES)
10	WINDOW/DOOR SCHEDULE
11	1ST FLR SHEAR WALL
12	2ND FLR SHEAR WALL
13	TYPICAL PLUMBING (3 pgs)
14	HEAT LOSS
15	RES CHECK (11 pgs.)
16	ROOF PRINTS (2 pgs)
17	HEADER CALCULATIONS (7 pgs)
18	BRACED WALL CALCULATIONS (4 pgs)
19	SITE MAP (1 pgs)
TOTAL PAGES	

**SITE CONDITIONS:**

GROUND SNOW LOAD:	25 PSF
WIND SPEED:	140 Vult MPH
EXPOSURE:	C
SEISMIC CATEGORY:	B
USE GROUP:	SINGLE FAMILY
CONSTRUCTION TYPE:	VB WOOD FRAME UNPROTECTED

**SQUARE FOOTAGE:**

FIRST FLOOR:	1,650 SQ. FT.
SECOND FLOOR:	- SQ. FT.
BONUS ROOM:	- SQ. FT.
GARAGE:	- SQ. FT.
TOTAL:	1,650 SQ. FT.
OVERALL SIZE:	27'-6" x 60'-0"
MODEL:	RANCH



\*\* EXPOSED RAFTER TAILS ON PORCH (NOT HOUSE) \*\*

ACCESS TO GRADE PROVIDED AND INSTALLED ON-SITE BY BUILDER

OMIT SIDING

COLUMNS, STEPS, RAILING, PORCH FLR., HEADER, AND ROOF TO BE SUPPLIED AND INSTALLED BY BUILDER.

**NOTES:**

- ITEMS SHOWN ON THE EXTERIOR ELEVATION DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY
- GRILLS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY (SEE WINDOW MANUFACTURER CATALOG FOR ACTUAL GRILL PATTERN)

**FRONT ELEVATION**

**BUILDER / OWNER SIGNATURES:**

ACCEPTED BY:

DATE:

TITLE:

CHAMPION FACTORY 041  
 CHAMPION MODULAR, INC.  
 10642 S. SUSQUEHANNA TRAIL  
 LIVERPOOL, PA 17045



BRAND:

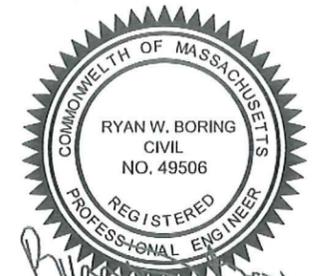


BUILDER:

ARROW HEAD HOMES

CUSTOMER/PROJECT:

ENGINEER'S / ARCHITECT'S SEAL



Apr 21, 2020

APPROVERS SEAL

**PFS Corporation**  
**Northeast Region**  
**APPROVED**  
**H Raup - 3**  
**4/22/20**  
 Approval limited to  
 Factory Built Portion

MODIFICATIONS

PROJECT:

42245  
 CAPE

TITLE:

ELEVATIONS

DRAWN BY: SAN

DATE: 11-04-19

SCALE:

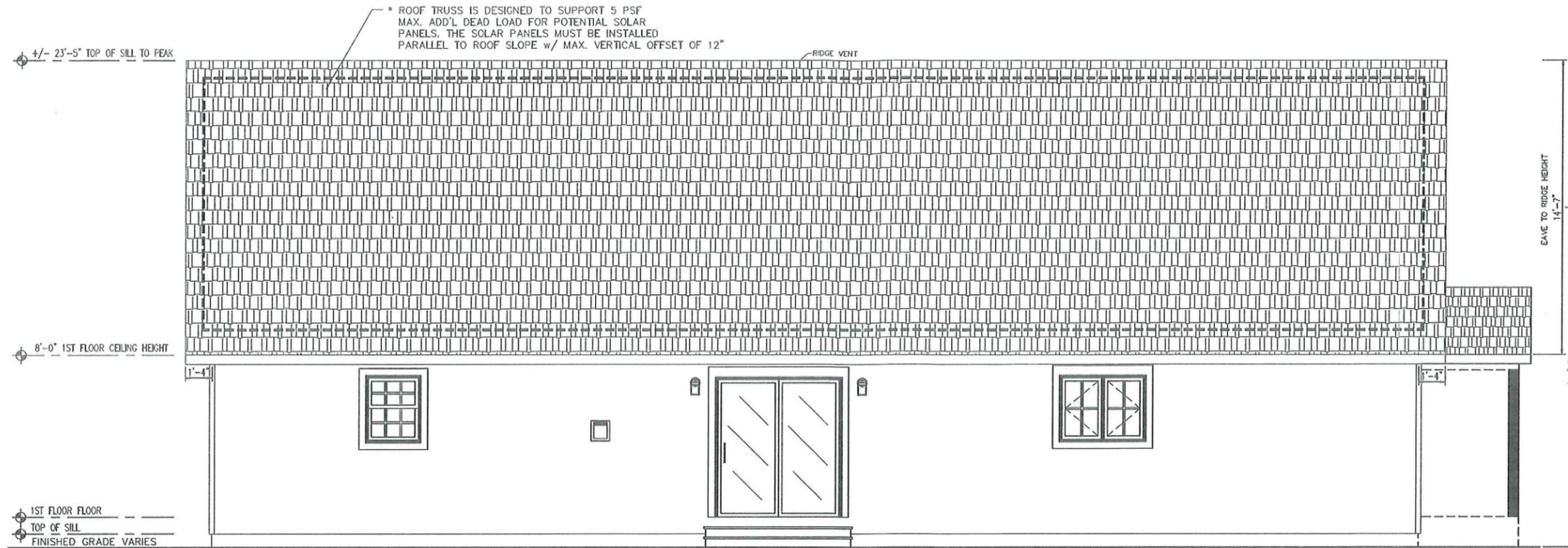
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SHEET:

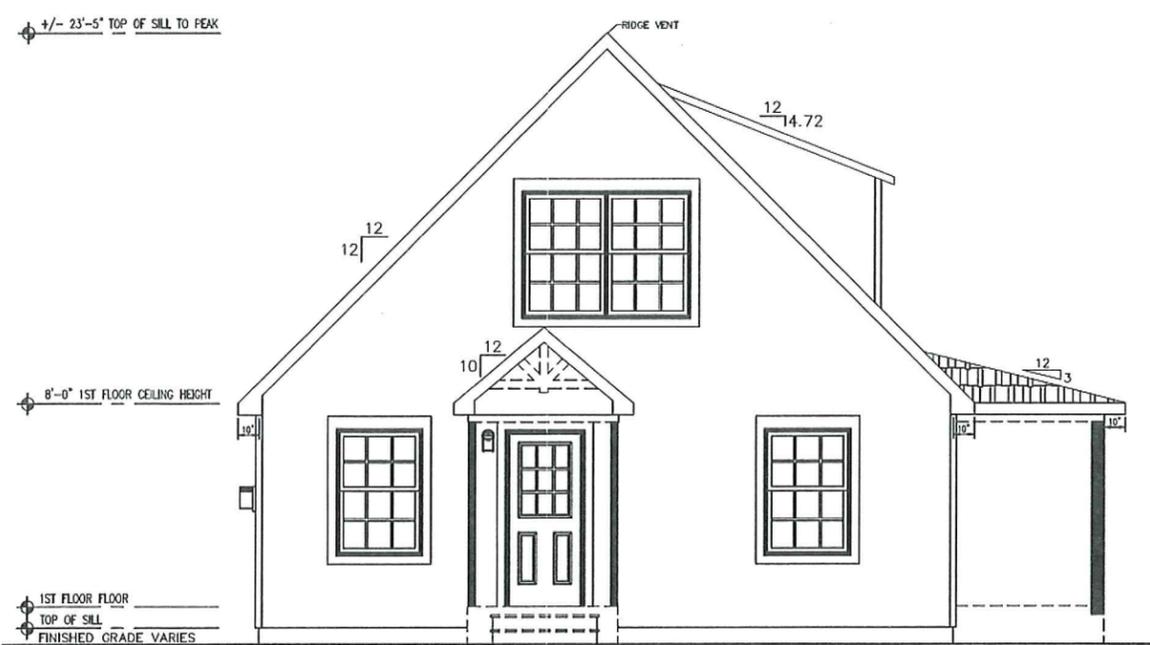
**ELEVATIONS**

2

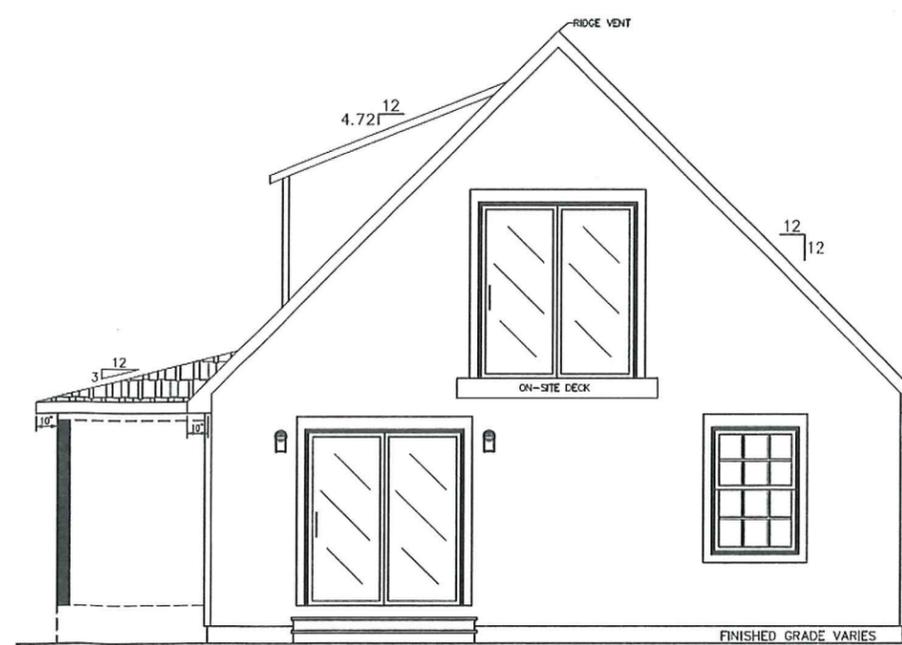
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REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

BUILDER / OWNER SIGNATURES:

ACCEPTED BY:

DATE:

TITLE:

NOTES:

1. ITEMS SHOWN ON THE EXTERIOR ELEVATION DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY

CHAMPION FACTORY 041  
 CHAMPION MODULAR, INC.  
 10642 S. SUSQUEHANNA TRAIL  
 LIVERPOOL, PA 17045

**CHAMPION**  
 MODULAR

BRAND:



BUILDER:

**ARROW HEAD HOMES**

CUSTOMER/PROJECT:

ENGINEER'S / ARCHITECT'S SEAL



Apr 21, 2020

APPROVERS SEAL

**PFS Corporation**  
 Northeast Region  
**APPROVED**  
 H Raup - 3  
 4/22/20  
 Approval limited to  
 Factory Built Portion

MODIFICATIONS

PROJECT:

**42245  
 CAPE**

TITLE:

**FIRST FLOOR  
 FLOOR PLAN**

DRAWN BY: SAN

DATE: 11-04-19

SCALE: 3/16" = 1'-0"

FILENAME: 42245 SN

SHEET:

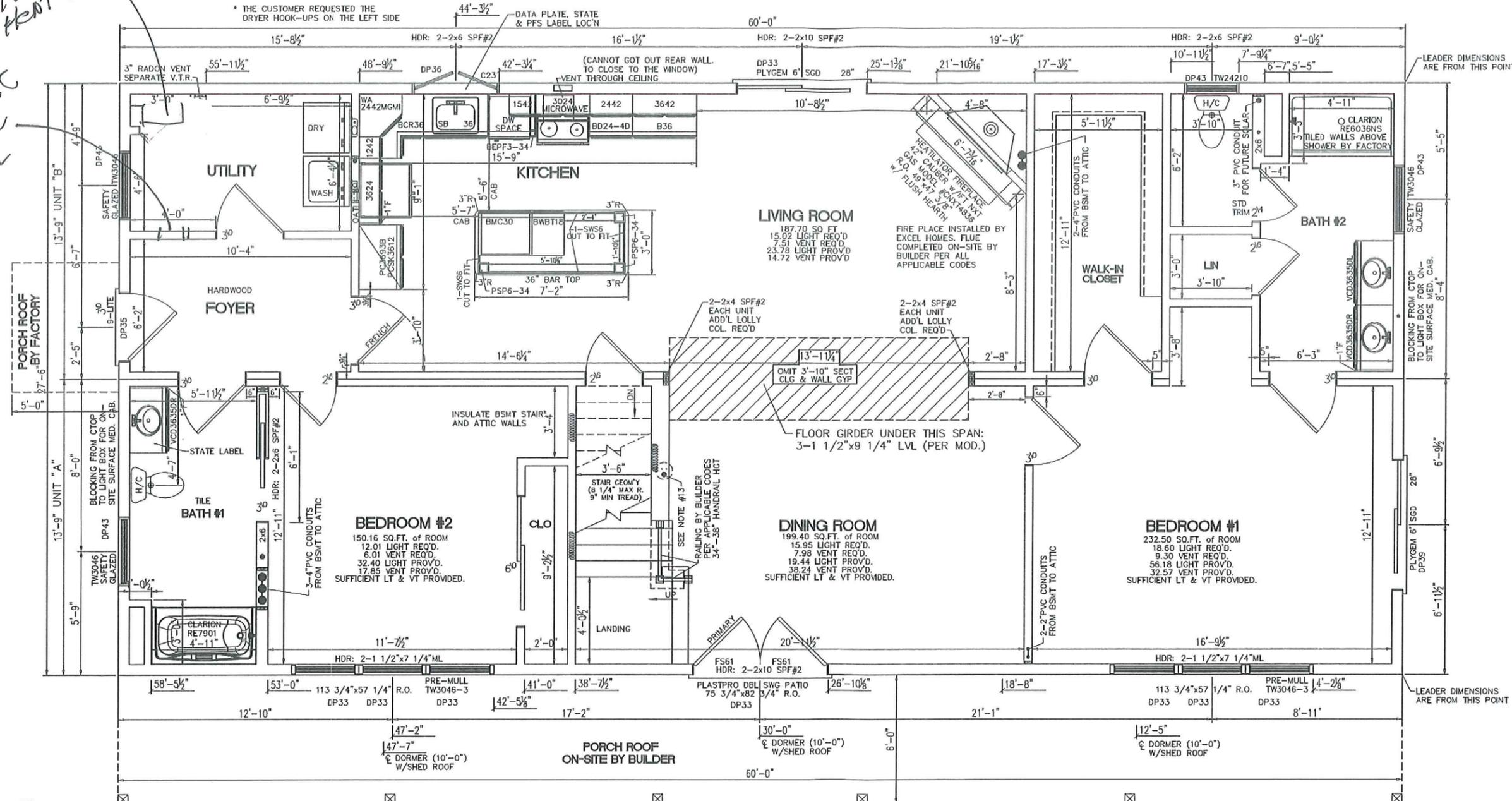
**1ST FLR**

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\*\*\* RAISE ALL SHOWER HEADS 6" HIGHER THAN STD LOCATION

\* THE CUSTOMER REQUESTED THE DRYER HOOK-UPS ON THE LEFT SIDE

ON DEMAND Hot Water Heater  
 ELECTRICAL SERVICE PANEL



- NOTES:
- 2x6 EXT WALLS @ 24" O.C./2x4 MARR WALLS @ 16" O.C.
  - 8'-0" CLG HT.
  - 2x10 SPF#2 FLOOR JOISTS @ 16" O.C.
  - ROOF SYSTEM TO BE 16" O.C.
  - ANDERSEN 400 SERIES WINDOWS
  - FLR CENTER GIRDER UNDER UNITS "A" & "B" TO BE: 2-1 1/2"x9 1/4"x60'-0" LVL (PER MODULE)
  - CLG BEAM OVER LR/DR TO BE: 2-1 1/2"x9 1/4" LVL
  - BLDR INSTALLED HEATING SYSTEM TO COVER A 42,000 BTU LOSS
  - HEAT WAS CALCULATED W/ R-19 FLOOR INSULATION.
  - RANGE HOOD AND BATH FANS ARE VENTED TO EXTERIOR.
  - A WEATHER PROTECTIVE BARRIER THAT MEETS THE REQUIREMENTS OF ASTM D226 WILL BE INSTALLED UNDER THE VINYL SIDING
  - THE BUILDER IS RESPONSIBLE TO PROVIDE AND INSTALL A WHOLE HOUSE VENTILATION SYSTEM PER ALL APPLICABLE CODES.
  - PROVIDE 1-3" DRAIN & 2-3/4" SUPPLY LINES TO SECOND STORY
  - BASED ON 140VIT MPH WIND LOAD & EXPOSURE "C"
  - SITE LOCATION: WEST TISBURY, MA; DUKES COUNTY; 25 PSF GROUND SNOW LOAD

MASSACHUSETTS  
 MA FUEL / GAS / PLUMBING CODE (248 CMR)  
 MA SINGLE AND TWO-FAMILY DWELLING CODE (780 CMR) 9TH EDITION  
 2015 INTERNATIONAL MECHANICAL CODE WITH MA AMENDMENTS  
 2015 INTERNATIONAL ENERGY CONS. CODE WITH MA AMENDMENTS  
 2020 NATIONAL ELECTRICAL CODE W/ MA AMENDMENTS

CALC MANUAL PAGE NUMBERS:  
 WINDOW & DOOR HEADERS: 6.0.8, 6.2.14, 6.2.20

--MECHANICALLY FASTEN CEILING DRYWALL--

DOOR W/SWEEP LOCATED AT THE BOTTOM OF THE BASEMENT STAIRS TO CLOSE OFF THE BASEMENT FROM THE THERMAL ENVELOPE OF THE 1ST STORY

- \* ALL SHOWER COMPARTMENTS TO CONFORM TO "248 CMR 10.10(7)(c) \*
- \*\*\* WINDOWS INSTALLED WITHIN 24" OF THE FINISHED FLOOR, THE BUILDER WILL INSTALL WINDOW GUARDS IN ACCORDANCE WITH IRC (2015 IRC, R312.2)
- \*\*\* A 48-HOUR NOTICE, PRIOR TO THE SET, MUST BE GIVEN TO THE LOCAL BUILDING AUTHORITY, BY THE CSL OF RECORD FOR THIS PROJECT. IF ANY SITE CONNECTIONS ARE CONCEALED PRIOR TO INSPECTION, THE BUILDING OFFICIAL CAN REQUEST REMOVAL OF ELEMENTS THAT CONCEAL THESE CONNECTIONS TO PROVIDE ACCESS.
- \*\*\* ALL CONNECTIONS DONE ON-SITE MUST BE INSPECTED BY THE CONSTRUCTION SUPERVISOR

**BUILDER / OWNER SIGNATURES:**

ACCEPTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

CHAMPION FACTORY 041  
 CHAMPION MODULAR, INC.  
 10642 S. SUSQUEHANNA TRAIL  
 LIVERPOOL, PA 17045  
**CHAMPION**  
 MODULAR



BUILDER:  
**ARROW HEAD HOMES**

CUSTOMER/PROJECT:



APPROVERS SEAL  
**PFS Corporation**  
 Northeast Region  
**APPROVED**  
 H Raup - 3  
 4/22/20  
 Approval limited to  
 Factory Built Portion

MODIFICATIONS

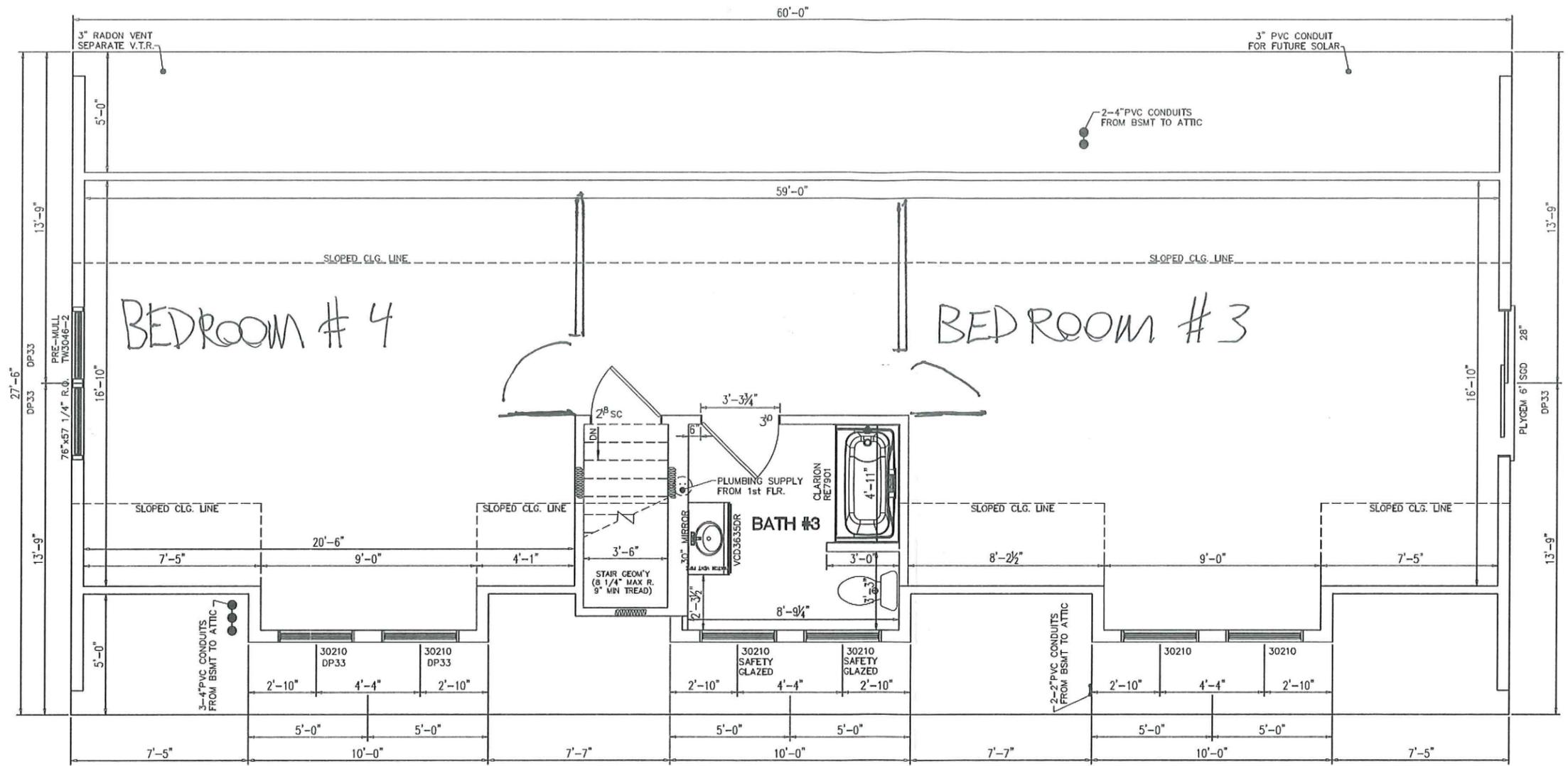
PROJECT:  
**42245  
 CAPE**

TITLE:  
**SECOND FLOOR  
 FLOOR PLAN**

DRAWN BY: STAFF  
 DATE: 11-04-19  
 SCALE: 3/16" = 1'-0"  
 FILENAME: 42245 SN

SHEET:  
**2ND FLR**

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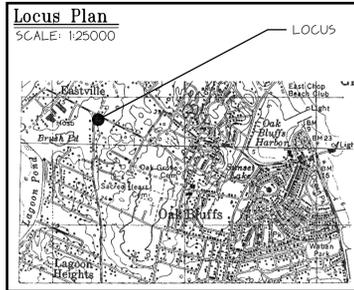
**PROPOSED 2ND FLOOR PLAN**  
 ALL FINISH MATERIALS SUPPLIED AND INSTALLED ON-SITE BY BUILDER  
 KNEE WALL AND FLAT CEILING LINE LOCATIONS MAY CHANGE UPON TRUSS DESIGN.  
 MUST BE INSPECTED AND APPROVED BY THE LOCAL BUILDING INSPECTOR

BUILDER IS RESPONSIBLE TO PROVIDE MECHANICAL VENTILATION  
 IN ACCORDANCE WITH IRC SECTION R303.1-EXCEPTION 1  
 BUILDER IS RESPONSIBLE TO PROVIDE ARTIFICIAL LIGHT  
 IN ACCORDANCE WITH IRC SECTION R303.1-EXCEPTION 2

**BUILDER / OWNER SIGNATURES:**

ACCEPTED BY:	DATE:
TITLE:	





**Plan of Land**  
 SCALE: 1"=20'  
 MAP NO.: 7  
 PARCEL NO.: 119  
 AREA: 27,959± S.F.

**VARIANCE REQUEST FROM OAK BLUFFS ZONING BY-LAWS**  
 SECTION XVIII(A)(7)(D): TO REDUCE THE REQUIRED DISTANCE FROM THE PROPOSED SANITARY DISPOSAL FACILITY TO SEVERAL NEIGHBORING SANITARY DISPOSAL FACILITIES FROM 300' DOWN TO 74± (NEAREST) (ASSESSOR PARCEL 7-119.2).

**Legend**

- 100 — EXISTING CONTOUR
- 100+0 EXISTING SPOT ELEVATION
- 100 — PROPOSED CONTOUR
- TH1 PERCOLATION TEST
- X SEWAGE LINE
- W — WATER LINE
- — APPROXIMATE PROPERTY LINE
- O.W. — U.E. — OVERHEAD WIRE OR UNDERGROUND ELECTRIC

- Notes**
- GENERAL NOTES:**
- THIS PLAN IS TO BE USED ONLY FOR THE PERMITTING AND INSTALLATION OF A SEWAGE DISPOSAL SYSTEM. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE.
  - NO CHANGES TO THIS PLAN ARE PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF SOURATI ENGINEERING GROUP, LLC.
  - INSTALLATION SHALL BE IN STRICT CONFORMITY WITH TITLE 5 OF THE MASSACHUSETTS STATE SANITARY CODE AND THE RULES & REGULATIONS OF THE TOWN OF OAK BLUFFS BOARD OF HEALTH.
  - MACHINERY THAT MAY DISTURB PIPE ALIGNMENT IN THE DISPOSAL SYSTEM SHALL NOT BE USED ON THE DISPOSAL AREA.
  - NO EXISTING WELLS WERE FOUND WITHIN 100' FROM THE PROPOSED SOIL ABSORPTION SYSTEM, OR WITHIN 50' FROM THE SEPTIC TANK.
  - FINISHED SURFACE OF LEACHING AREA SHALL BE GRADED TO INSURE RUNOFF (2% MINIMUM SLOPE).
  - THE SEPTIC TANK AND THE DISTRIBUTION BOX SHALL BE EITHER:
    - A WATER TIGHT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND WARRANTY, OR
    - MADE WATER TIGHT BY THE MANUFACTURER, EQUIPMENT SUPPLIER OR INSTALLER, USING ASPHALT OR SYNTHETIC POLYMER SEALER SPECIFIED BY THE CONCRETE OR SYNTHETIC MATERIAL MANUFACTURER.
  - SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ONTO WHICH 6 INCHES OF CRUSHED STONE HAVE BEEN PLACED TO MINIMIZE UNEVEN SETTLING.
  - ALL SYSTEM COMPONENTS SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIALS.
  - ALL PIPING SHALL BE A MINIMUM OF SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
  - DISTRIBUTION BOX OUTLET LINES SHALL BE LEVEL FOR A MINIMUM OF THE FIRST TWO FEET OF THEIR LENGTH.

**SOILS LOG**

TEST HOLE #1 DATE: 2/25/2020 ELEV. + 10.2

DEPTH	HORIZON	TEXTURE
00-05"	A	LOAMY SAND
05-26"	B	LOAMY SAND
26-120"	C	LOAMY SAND

GROUND WATER SEEPING AT 10' BELOW GRADE, ESTIMATED HIGH GROUND WATER IS AT EL. 2.2

TEST HOLE #2 DATE: 2/25/2020 ELEV. + 10.0

DEPTH	HORIZON	TEXTURE
00-14"		FILL
14-72"		FILL
72-114"	C	LOAMY SAND

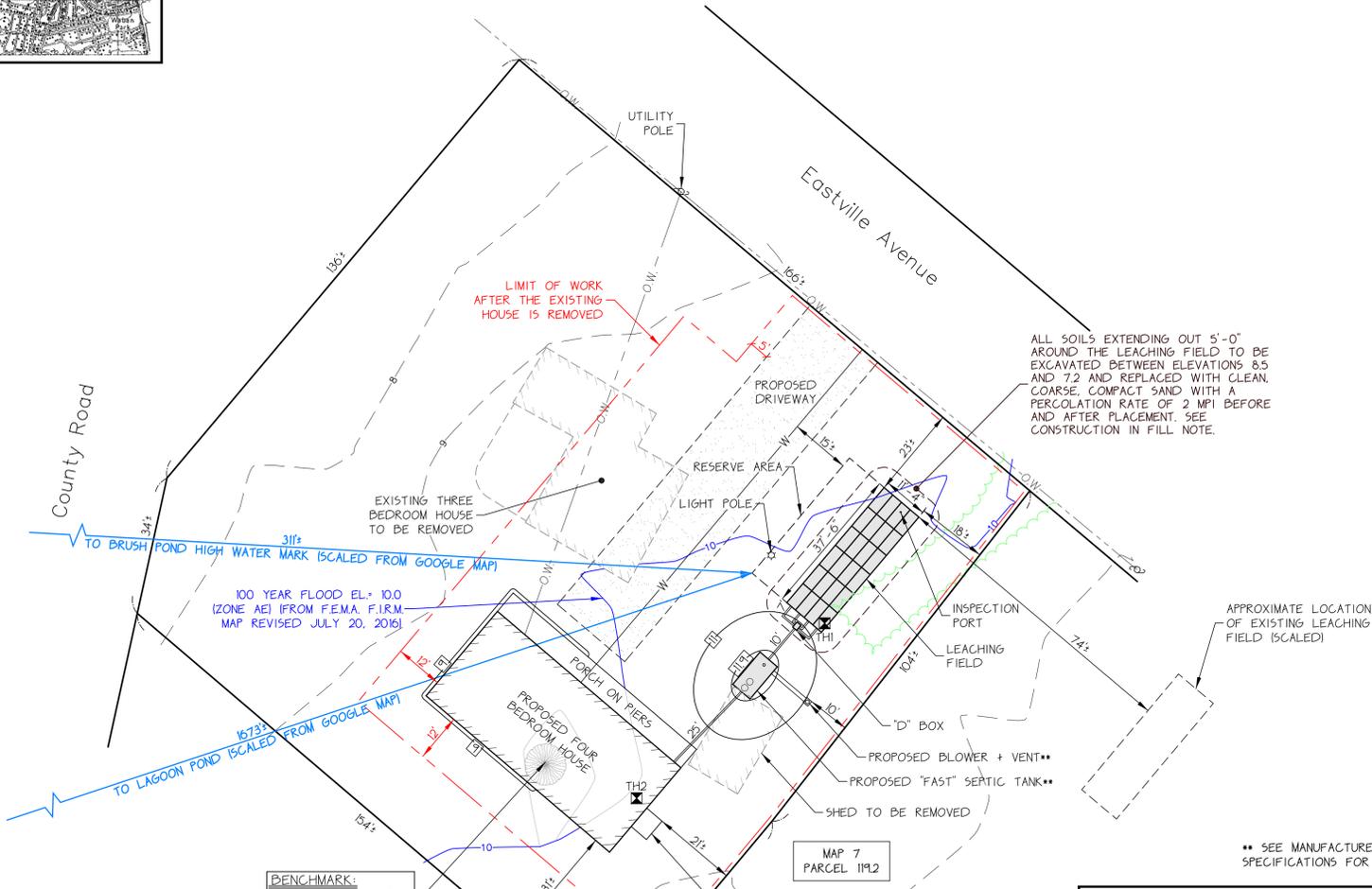
**CONSTRUCTION IN FILL:**

1. FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN TWO INCHES. A SIEVE ANALYSIS USING A #4 SIEVE SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL BE PERFORMED ON THE FRACTION OF THE FILL SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSES MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS:

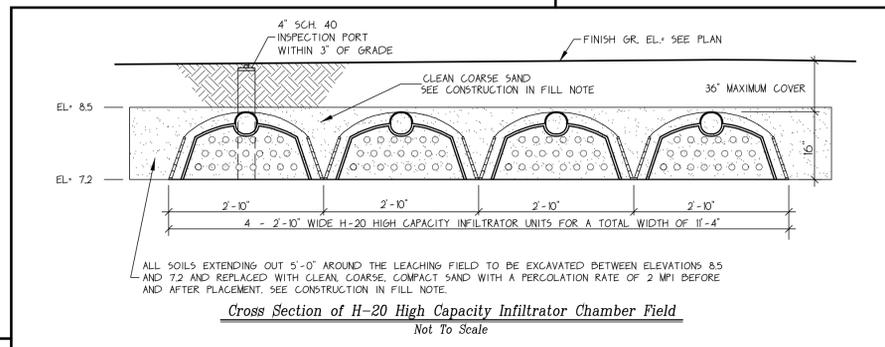
SIEVE SIZE	EFFECTIVE PARTICLE SIZE	% THAT MUST PASS SIEVE
#4	4.75 MM	100 %
#50	0.30 MM	10 % - 100%
#100	0.15 MM	0 % - 20%
#200	0.075 MM	0 % - 5%

**HIGH CAPACITY INFILTRATOR CHAMBER SOIL ABSORPTION SYSTEM:**

1. THE INFILTRATORS SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURER SPECIFICATIONS.



- NOTES:**
- THE OWNER SHALL SUBMIT THE EXISTING HOUSE FLOOR PLANS TO THE OAK BLUFFS BOARD OF HEALTH FOR THEIR APPROVAL.
  - ALL UNDERGROUND UTILITIES, INCLUDING WATER, PHONE, AND ELECTRICAL LINES, MUST BE LOCATED BY THE CONTRACTOR AND DIG SAFE SYSTEM, INC. MUST BE CONTACTED AT 1-888-344-7233 PRIOR TO ANY EXCAVATION.
  - ENGINEER SHALL INSPECT BOTTOM OF EXCAVATION IN THE LEACHING FIELD PRIOR TO PLACEMENT OF ANY FILL.
  - THE ENTIRE LOT LIES WITHIN THE COASTAL DISTRICT (INLAND ZONE).
  - EXISTING SOIL ABSORPTION SYSTEM COULD NOT BE LOCATED. SEWAGE DISPOSAL SYSTEM INSTALLER SHALL LOCATE THE EXISTING SOIL ABSORPTION SYSTEM. PUMP DRY, CRUSH AND BACKFILL WITH CLEAN, COARSE, COMPACT SAND. SHOULD THE EXISTING SOIL ABSORPTION SYSTEM IS FOUND TO BE LOCATED WITHIN 5 FEET OF THE PROPOSED LEACHING FIELD, THE EXISTING SOIL ABSORPTION SYSTEM SHOULD BE PUMPED DRY, DUGOUT, REMOVED OFFSITE, AND BACKFILLED WITH CLEAN, COARSE, COMPACT SAND. SEE CONSTRUCTION IN FILL NOTE.
  - EXISTING WATER SERVICE COULD NOT BE LOCATED BY THE OAK BLUFFS WATER DISTRICT. EXISTING WATER SERVICE SHALL BE DISCONNECTED IN ACCORDANCE WITH THE OAK BLUFFS WATER DISTRICT REGULATIONS AND RELOCATED AS SHOWN ON THE PLAN AND APPROVED BY THE OAK BLUFFS WATER DISTRICT.



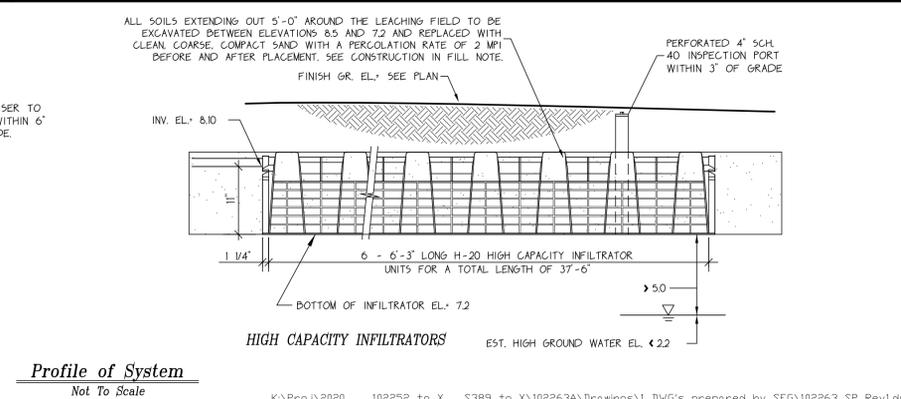
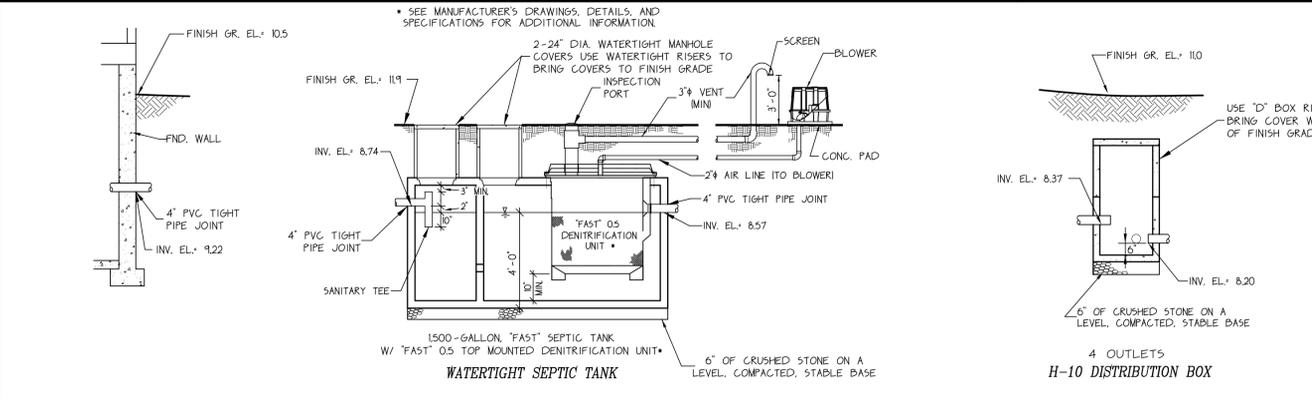
**Design Computations:**

**HYDRAULIC LOADING:**  
 4 BEDROOMS AT 110 GPD = 440 GPD  
 A GARBAGE DISPOSAL IS NOT ALLOWED IN THIS DESIGN.

**SEPTIC TANK SIZE:**  
 USE 1500-GALLON MICROFAST® SEPTIC TANK W/ 'FAST' 0.5 TOP MOUNTED DENITRIFICATION UNIT \*

**LEACHING CAPACITY:**  
 DESIGN PERCOLATION RATE 15.5 MIN/INCH SOIL TYPE: CLASS 1  
 EFFLUENT LOADING RATE 0.74 G/5F/D  
 USE 1 LEACHING FIELD WITH 24 CHAMBERS.

TOTAL AREA OF FIELD = 24 CHAMBERS X 6.25 L/F/CHAMBER X 4.73 S.F./L.F. = 709 S.F.  
 TOTAL LEACHING CAPACITY PROVIDED = 709 S.F. X 0.74 G/5F/D = 525 G/D.  
 TOTAL LEACHING CAPACITY PROVIDED = 525 G/D.  
 TOTAL HYDRAULIC LOADING REQUIRED = 440 G/D.



**New Sewage Disposal System**  
 In The Town Of  
**Oak Bluffs**

Site:  
 Proposed Four Bedroom House  
 Map 7, Parcel 119  
 52 Eastville Avenue

Owner:  
 Eulalie M. Lee  
 4560 Sentinel Post NW  
 Atlanta, GA 30327

Scale: As Shown Date: March 16, 2020  
 Job No.: 102263 Drawn By: H. Chen  
 Drawing No.: 102263SP Designed By: H. Chen  
 Sheet 1 of 1 Checked By: G. Sourati

Professional civil engineers  
**Sourati Engineering Group**  
 Professional Land Surveyors

P.O. Box 4458  
 107 Beach Road, Suite 202  
 Vineyard Haven, MA 02568  
 Phone: (508) 693-9933  
 Fax: (508) 693-4933