



ZONING BOARD OF APPEALS
Town of Chilmark

TOWN OFFICES:
Beetlebung Corner
Post Office Box 119
Chilmark, MA 02535
(508) 645-2110 Fax

THE COMMONWEALTH OF MASSACHUSETTS
To The Board of Appeals, TOWN OF CHILMARK

November 20 23

The undersigned hereby petitions the Board of Appeals to issue a VARIANCE under the terms of the Zoning By-laws of the Town of Chilmark:
Article 4, Section 4.2.a.1

at the premises owned by (Owner of Record)

SOLMSSEN FAMILY LLC

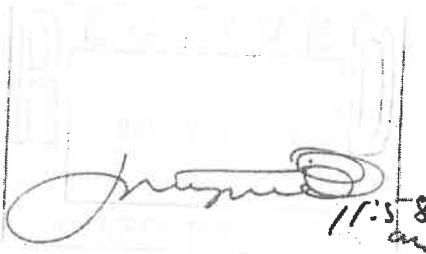
at 56 North Abel's Hill Road (street address),

Assessor's parcel MAP 18 LOT 84

In the following respect or limitation, extension, change, alteration or modification of use, or method of use as may at hearing appear as necessary or proper in the premises.

State Briefly Reasons for the Variance

INCLUSIONS OF SCREENS ON GUEST HOUSE,


11-5-23

Petitioner Hans & Sally Solmsen

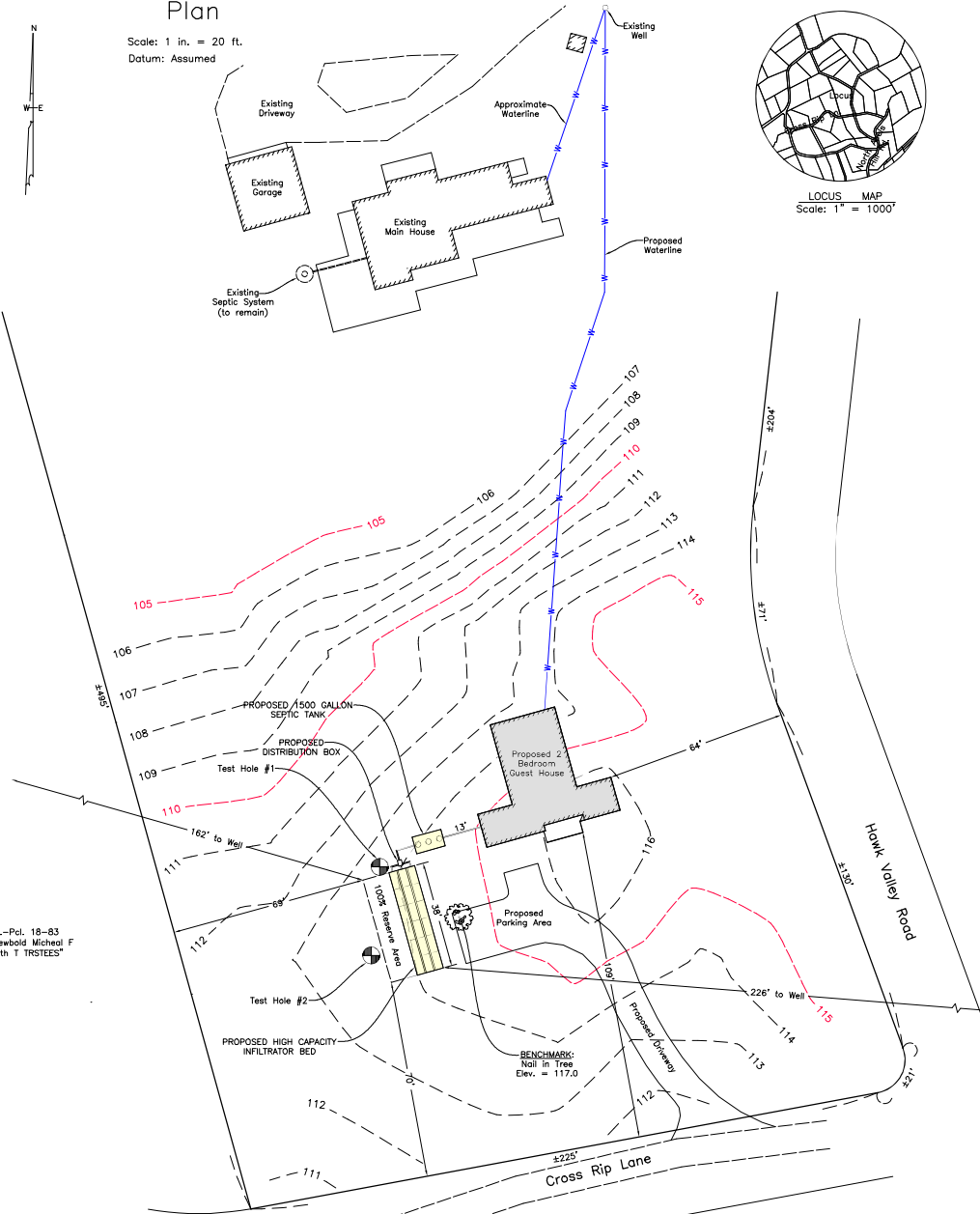
Address 56 North Abel's Hill Rd.

Plan

Scale: 1 in. = 20 ft.
Datum: Assumed



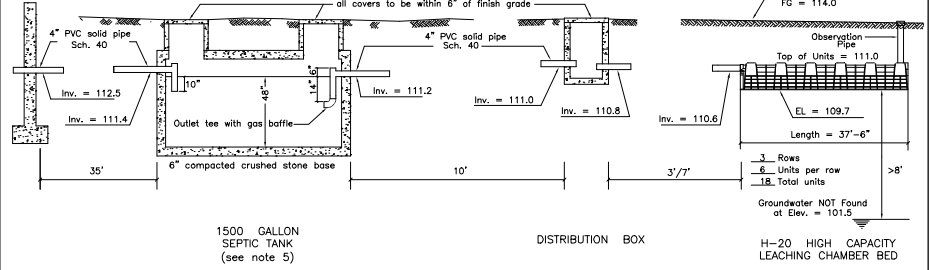
LOCUS MAP
Scale: 1" = 1000'



Assr.-Pcl. 18-83
"N/F Newbold Michael F & Beth T TRUSTEES"

PROPOSED CONTOUR
EXISTING CONTOUR
+100.7 EXISTING SPOT ELEVATION
W WATER SERVICE LINE
TEST HOLE LOCATION

System Profile



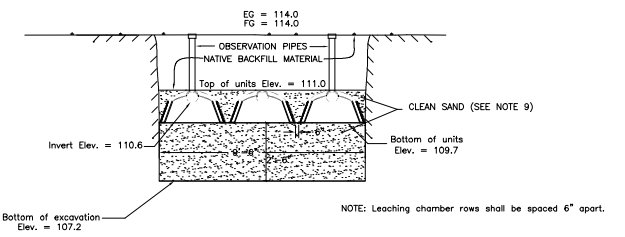
1500 GALLON SEPTIC TANK (see note 5)

DISTRIBUTION BOX

H-20 HIGH CAPACITY LEACHING CHAMBER BED

System Cross Section

NOTE: Not to scale



To avoid compaction, no machinery is allowed within three vertical feet of bottom of excavation without the specific approval of the design engineer. This leaching facility is not designed for H-20 loads and shall not be driven upon, even though H-20 leaching chambers are specified.

Notes

- This plan is to be used only for the approval and installation of a sewage disposal system and is not to be used for any other purpose.
- All construction and components shall conform to Massachusetts State Environmental Code TITLE V and Local Board of Health Requirements.
- This design does not warrant the location of underground pipes, wires, utilities or other underground structures. The installer shall be responsible for locating and relocating these objects as necessary.
- No garbage grinder is allowed with this system.
- Any portion of this system subject to vehicular traffic shall be capable of H-20 loading.
- An observation pipe shall be placed as shown and capped at grade so as to allow monitoring of liquid level in the leaching system. Place re-rod flush at each to aid in relocating with metal detector.
- All access covers are to weigh at least 150 lbs. or screwed down.
- Leaching Chambers shall consist of infiltrator high capacity, ADS high capacity biofilter or an approved equivalent.
- Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
- No wells could be found within 150' of the proposed leaching facility.
- The engineer is to inspect and approve the installation and placement of all septic components before final backfilling.
- A letter certifying satisfactory construction of this system is to be provided to the owner and the Board of Health by the Engineer.

Design Criteria

Design Hydraulic Loading:
2 Bedrooms x 110 GPD/Bedroom = 220 GPD

Septic tank capacity:
Required: 220 GPD x 200% = 440 Gal. minimum
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:
H-20 High Capacity Leaching Chamber Bed
18 Leaching Chamber Units
18 Units x 6.25 linear ft./unit x 4.72 sq.ft./linear ft. = 531 sq.ft.
531 sq.ft. x 0.56 GPD/sq.ft. = 297 GPD

* Per modified certification for general use High capacity leaching chamber units are allowed 4.7 sq.ft. leaching area per linear ft. in bed configuration.

Proposed Septic System on Land in CHILMARK, MASS.

Designed for: HANS SOLMSEN
Street Address: #56 NORTH ABELS HILL ROAD

Assessor No.: 18-84
Lot Area: ±3.73 Acres

Designed By: Troy Silva

Checked By: R.G.S.

Date: March 17, 2022

Revised:



March 23, 2022

Soil evaluator: Reid G. Silva, P.E.

SOIL DATA

Deep Observation Hole 1.
Date: January 11, 2022
Surface elevation = 113.5

Depth	Horizon	Texture
0"-10"	A	Sandy loam
10"-36"	B	Loamy sand
36"-144"	C	medium coarse Sand with trace kaolin

Deep Observation Hole 2.
Date: January 11, 2022
Surface elevation = 113.5

Depth	Horizon	Texture
0"-12"	A	Sandy loam
12"-26"	B	Loamy sand
26"-48"	C1	coarse Sand
48"-72"	C2	medium fine Loamy sand with firm kaolin
72"-120"	C3	medium coarse Loamy sand with trace kaolin

Perc. rate < 10 mpl. @ 48"
No groundwater found at 144" Elev. = 101.5

Perc. rate < 15 mpl. @ 72"
No groundwater found at 120" Elev. = 103.5

VINEYARD LAND SURVEYING & ENGINEERING
12 Cournoyer Road
P.O. Box 421
West Tisbury, MA 02575
P. 508-693-3774 F. 508-629-0440
VLSE.net

Job No. 386-15



DRAWN:
23 March 2022

REVISED:
26 April 2022
6 June 2022
15 June 2022
27 June 2022
19 July 2022
23 August 2022
9 September 2022
19 September 2022
20 September 2022
28 September 2022
10 October 2022

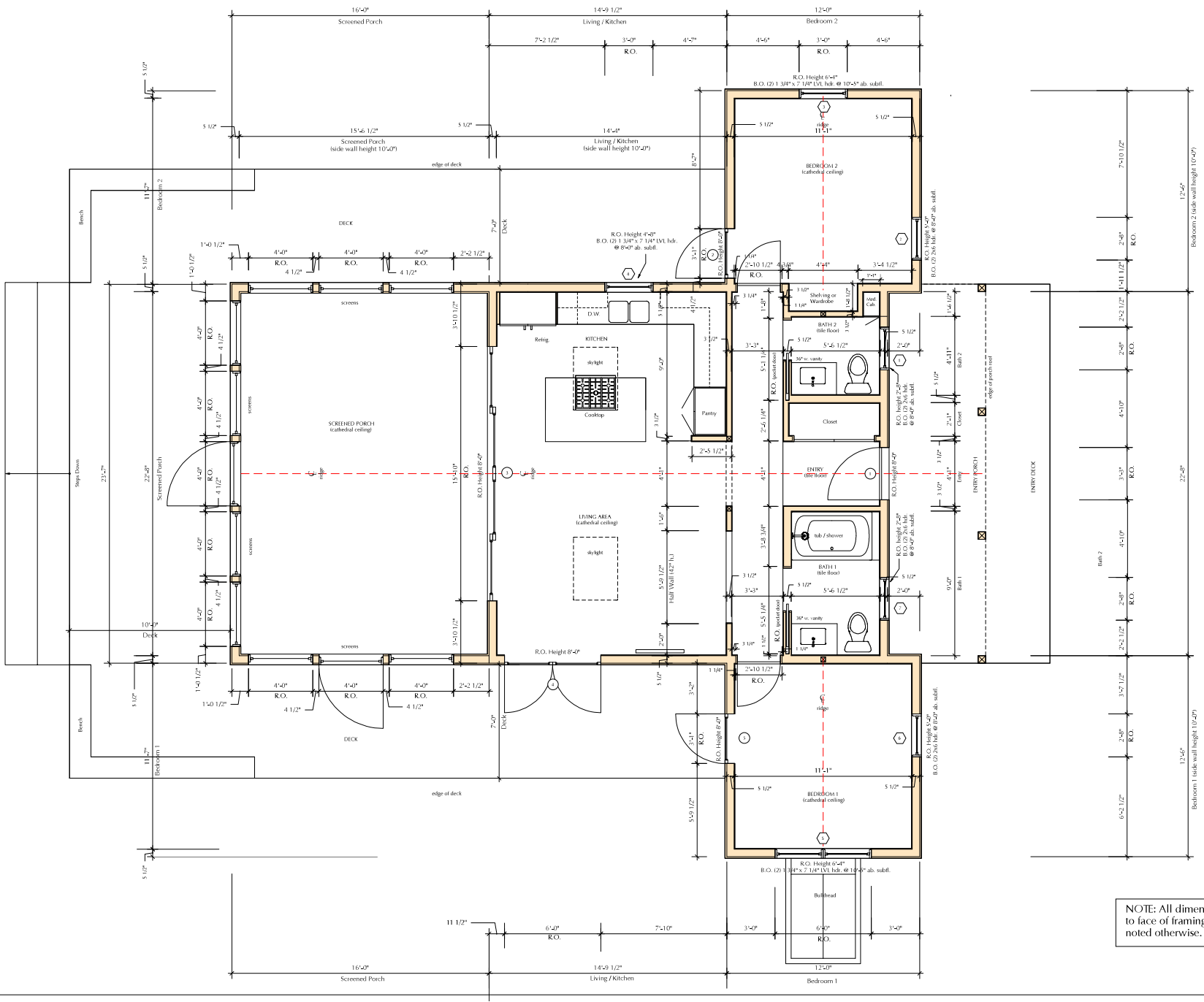
ISSUED FOR
CONSTRUCTION
28 September 2022

FIRST FLOOR
PLAN

Scale: 3/8" = 1'-0"



1.2



NOTE: All dimensions to face of framing unless noted otherwise.



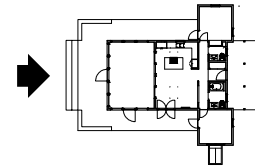
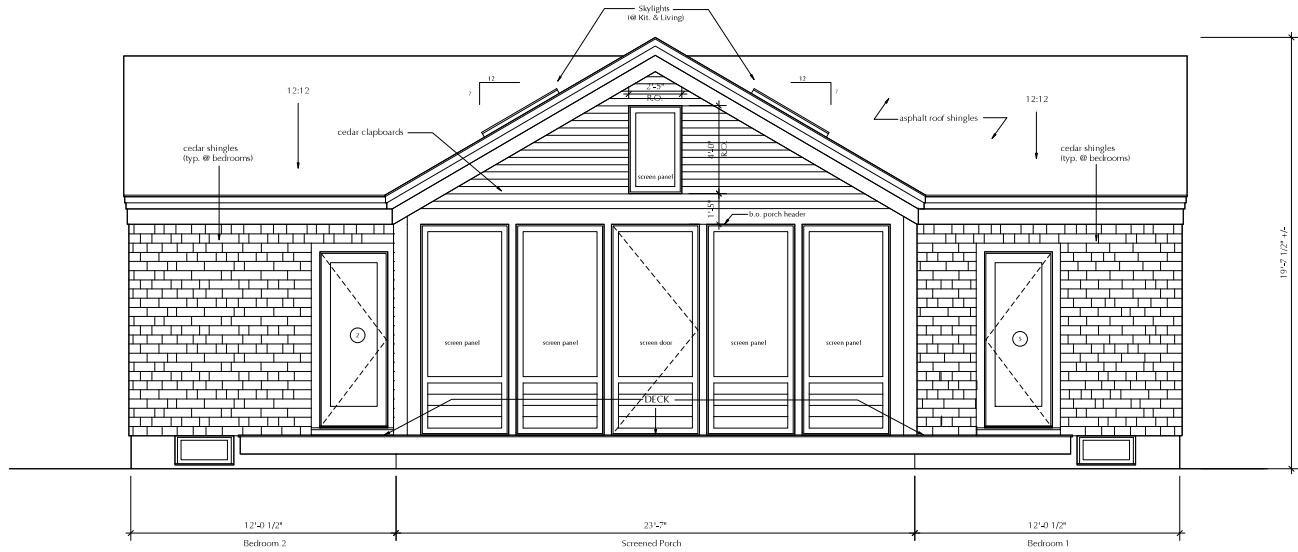
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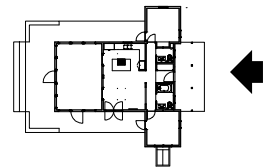
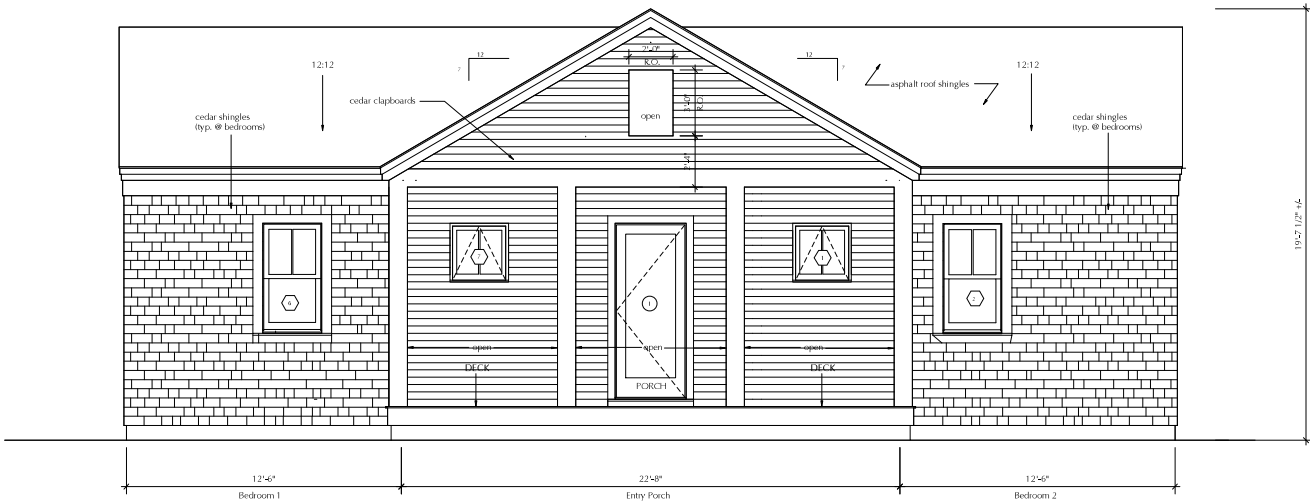
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ELEVATIONS
NORTHWEST
&
SOUTHEAST

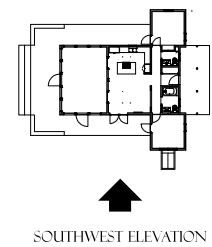
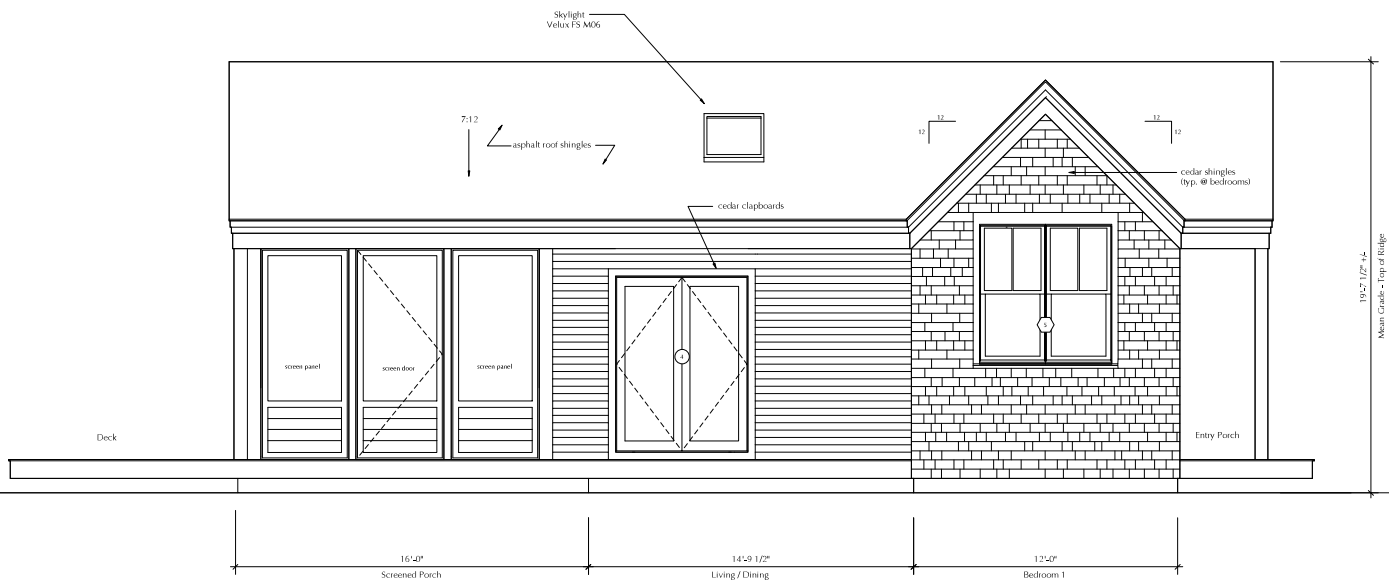
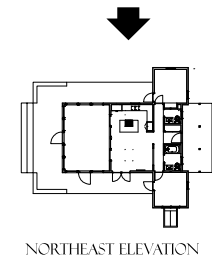
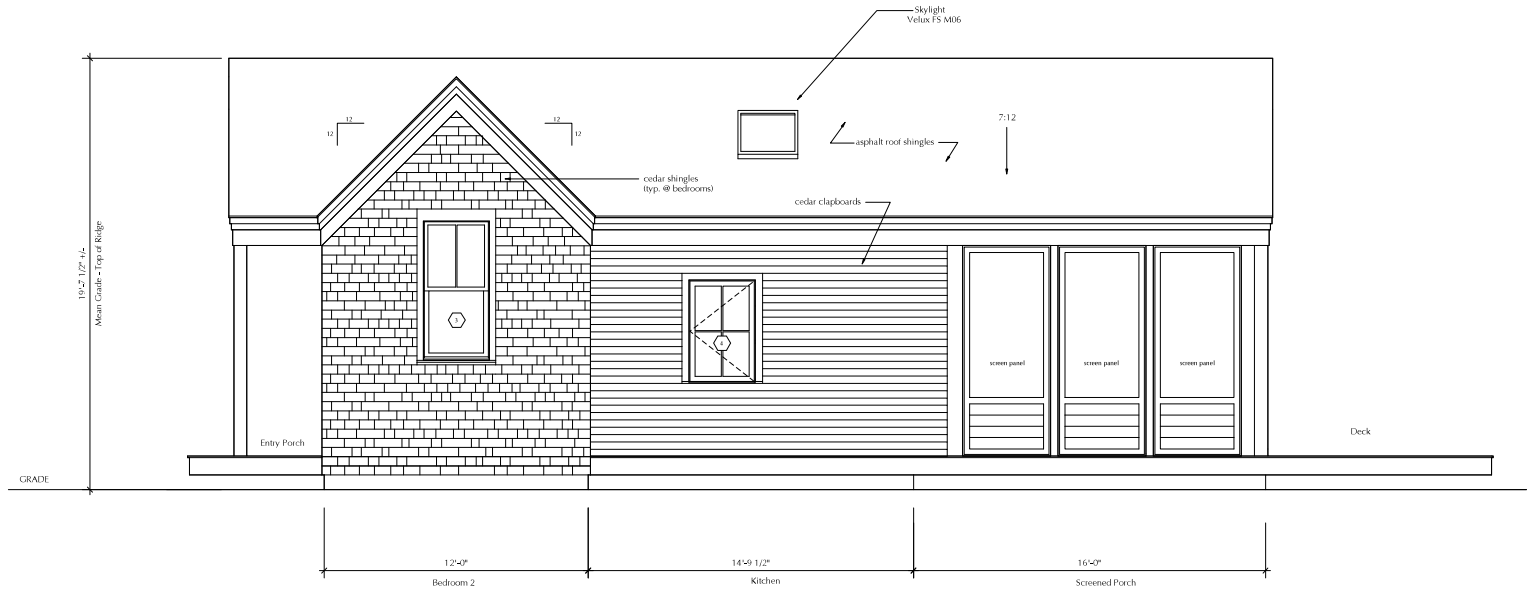
Scale: 3/8" = 1'-0"



NORTHWEST ELEVATION



SOUTHEAST ELEVATION



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ELEVATIONS
NORTHEAST
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Scale: 3/8" = 1'-0"