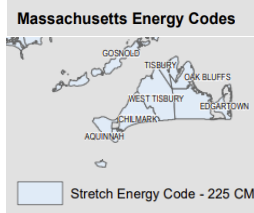


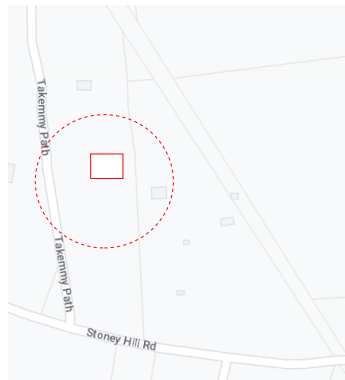
**BASE BUILDING CODES:**

780 CMR: Massachusetts State Building Code (2015 IRC with MA Amendments)  
 527 CMR: Massachusetts Fire Prevention Regulations (NFPA 1 - 2015)  
 527 CMR: 12: Massachusetts Electrical Code (NFPA 70 - 2023)  
 2015 International Mechanical Code (HVAC mechanical systems)  
 248 CMR: Massachusetts Mechanical Code  
 2018 IECC (Energy Code) Stretch Code 2023 Update



GROUND SNOW LOAD: #25  
 EXPOSURE "B"  
 WIND LOAD: 140 3 sec gust  
 ASCE 7-10 optional design

**LOCUS:**



**OPENING SCHEDULE:**

ID	UNIT	R.O.	#
1	ADH3050	3-0 x 5-0	19
2	AAN2424	2-4 x 2-4	11
3	(2)ADH3058	6-2 x 5-8	1
4	(3)ADH2040	6-5 x 4-0	1
5	ADH3044	3-0 x 4-4	6
D	6-0 ENTRY	6-3 x 6-11	1
C	ENTRY	3-3 x 7-3	2
B	ENTRY	3-3 x 7-3	2
A	SLIDER	7-3 x 8-3	2

**DRAWING INDEX:**

- G100 GENERAL INFORMATION
- A100 BASEMENT PLAN
- A101 FIRST FLOOR PLAN
- A102 SECOND FLOOR PLAN
- A300 SECTION
- A301 ROOF PLAN
- A500 ELEVATION PLAN
- A501 ELEVATION PLAN
- S100 FRAMING PLAN FLOORS
- S101 FRAMING PLAN ROOF DESIGN GUIDES



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**SOUZA RESIDENCE**  
**TAKEKEMY PATH LOT 3-D**  
**WEST TISBURY, MA**

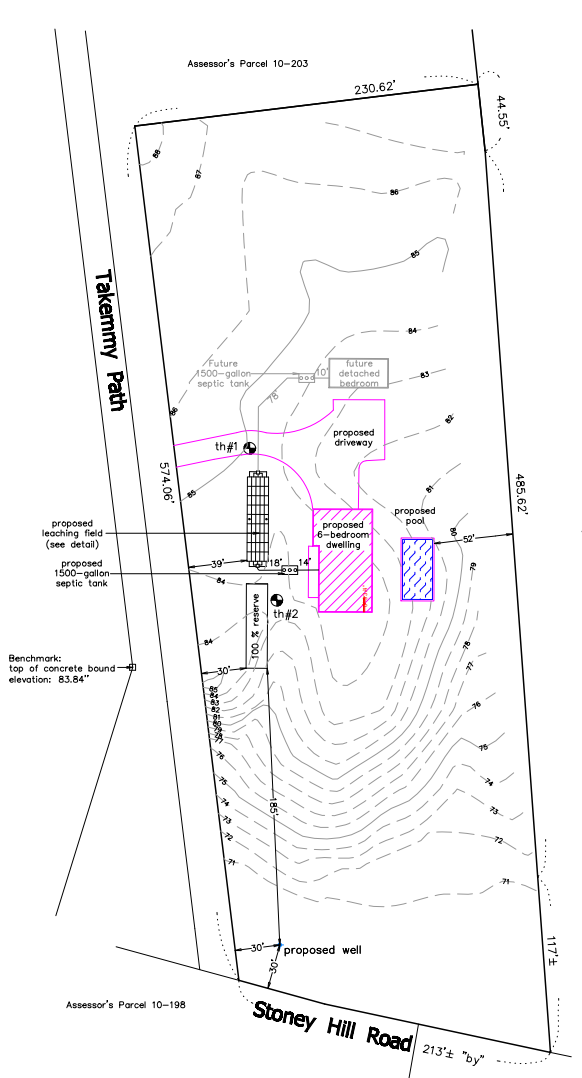
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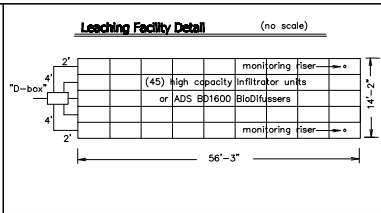
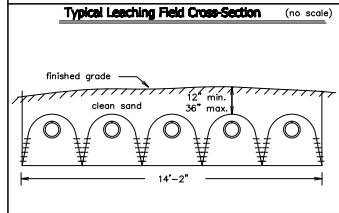
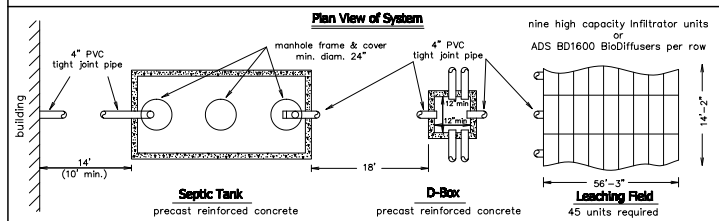
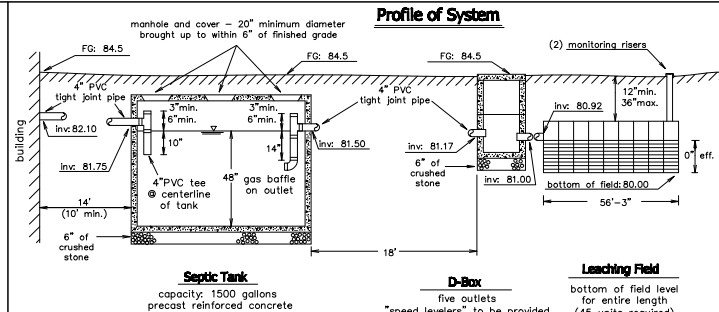
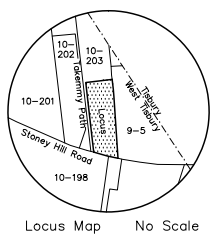
DRAWN BY: MBR

**G100**

**Plot Plan**  
Scale: 1"=40'  
Lot Area: 3.05 ± acres



Notes:  
A. No wells were found within 150' of the proposed leaching field  
B. No leaching fields were found within 150' of proposed well



**Schedule of Elevations**

	finished grade above structure	finished grade above structure
Top of foundation:	85.50*	
Basement floor:	(see arch)	
Inverts at foundation:	82.10	84.5
Invert at septic tank inlet:	81.75	
Invert at septic tank outlet:	81.50	84.5
Invert at distribution box inlet:		81.17
Invert at distribution box outlet:		81.00
Invert at infiltrator inlet:		80.92
Elevation of field bottom:		80.00

**Deep Test Pit 1 (Surface Elevation: 85.0)**

Depth	Horiz.	Soil Description
0'-8"	A	Sandy LOAM
8'-36"	B	Sandy LOAM w/gravel & stone
36'-120"	C	Loamy SAND to SAND w/gravel to cobble

**Deep Test Pit 1 (Surface Elevation: 84.0)**

Depth	Horiz.	Soil Description
0'-7"	A	Sandy LOAM
7'-36"	B	Sandy LOAM w/gravel & cobbles
36'-60"	C1	Loamy SAND to m-c SAND w/gravel to cobble
60'-126"	CII	m-c SAND

**Percolation Test Data**

test pit #	date	top of 12" of water depth from top of pit	elevation	rate: (mpi)
1	5/12/22	36"	82.0	<2
2	5/12/22	36"	81.0	<5

Groundwater was not encountered at a depth of 120" (elevation: 75.0)

Groundwater was not encountered at a depth of 126" (elevation: 73.5)

- General Notes**
- Elevations refer to NAVD88 datum. See bench mark on plot plan located on concrete bound (elevation: 83.84")
  - Finished grading to be done in accordance with plot plan.
  - Percolation tests to be performed in accordance with the instructions of Title V of the Massachusetts State Environmental Code.
  - All construction to conform to Title V and Board of Health requirements.
  - Septic tank and distribution box shall be watertight after construction, including covers.
  - No driveway, parking or turning area or other impervious areas shall be located above the soil absorption system.
  - No permanent structure may be constructed over the 100% expansion area.
  - Schofield, Barbini & Hoehn Inc. will not be responsible for the performance of the system unless constructed as shown. Any alterations must be approved in writing by Schofield, Barbini & Hoehn Inc.
  - The Board of Health shall require inspection of all construction by the design engineer and by the agent of the Board of Health.
  - The design engineer and the system installer shall certify in writing to the approving authority that the system has been constructed in compliance with the approved plans.
  - For proper performance, the septic tank should be inspected at least once a year and when the total depth of scum and solids exceed 1/3 the liquid depth of the tank, the tank should be pumped.
  - Distribution box cover to be brought to finish grade.

- Design Data**
- Estimated Hydraulic Loading: Five bedrooms plus office and one detached bedroom at 110 gallons per day per bedroom = 770 GPD. Garbage disposal is not allowed with this design.
  - Septic Tank Size: Required tank capacity: 660/110 x 200% = 1320/220 gallons (minimum). Septic tank provided: (2) 1500 gallon tanks (one future)
  - Design percolation rate: 5 MPF. Soil textural class: I. Loading rate: 0.74 GPD/SF
  - Leaching Area: Total leaching area provided: 424 SF. Maximum Allowable Loading: 424 SF x 1.67 (chamber general permits) x 0.74 GPD/SF = 523 GPD. Actual hydraulic loading: 110 GPD

- Legend**
- XX---
  - F.G. = XX.X
  - XX
  - ⊙
  - E.T.C.I.
  - W
  - Q.W.
  - D
- Denotes proposed contour  
Denotes proposed finished grade  
Denotes existing contour  
Denotes test hole location  
Denotes catch basin  
Denotes extra heavy cast iron  
Denotes water service  
Denotes approximate property line  
Denotes overhead wires  
Denotes storm drain pipe  
Denotes "clean-out" to grade

**Proposed Sewage Disposal System**

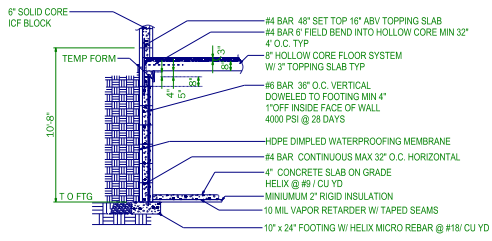
To Serve a Proposed Five-Bedroom Plus Office & Detached Bedroom  
335 Takemmy Path - Assessor Parcel 10-203.1  
West Tisbury, Massachusetts

App: Robert K. Souza, Jr., et al ph:(508) 639-2781  
c/o Schofield, Barbini & Hoehn, Inc.  
PO Box 339  
Vineyard Haven, Mass. 02568

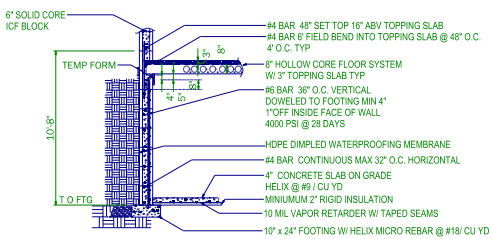
date: June 21, 2023  
designed by: TED  
drawn by: TED  
checked by: CHD

Schofield, Barbini & Hoehn, Inc.  
Land Surveying Civil Engineering  
12 Surveyor's Lane, Box 339  
Vineyard Haven, Mass. 02568  
508-633-2781  
www.sbhinc.net

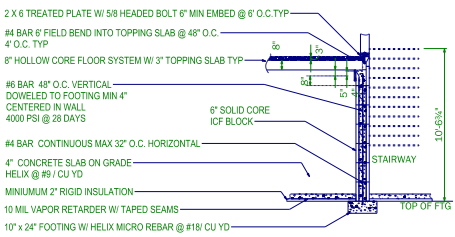
MV 12129



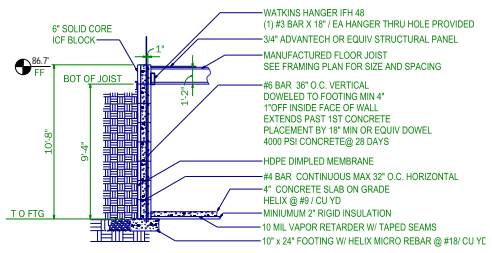
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1/4" = 1'



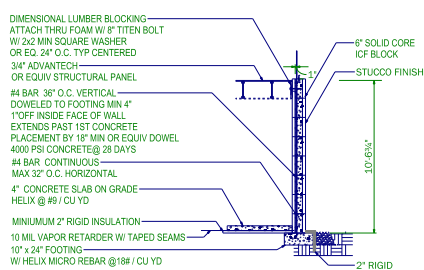
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1/4" = 1'



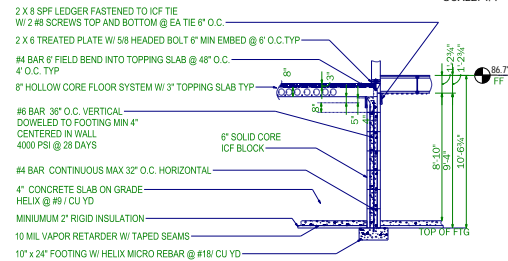
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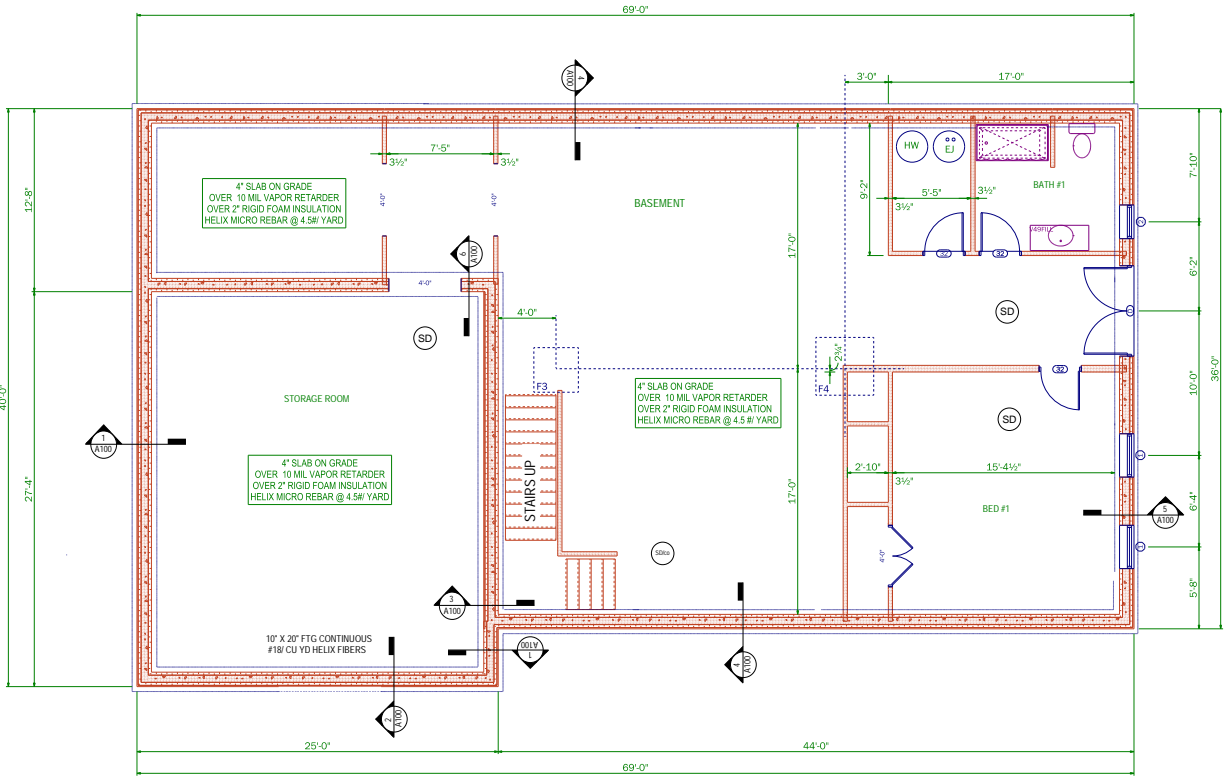
4 EXTERIOR ICF WALL  
A100  
1/4" = 1'



5 EXTERIOR ICF WALL  
A100  
1/4" = 1'



6 INTERIOR ICF WALL  
A100  
1/4" = 1'

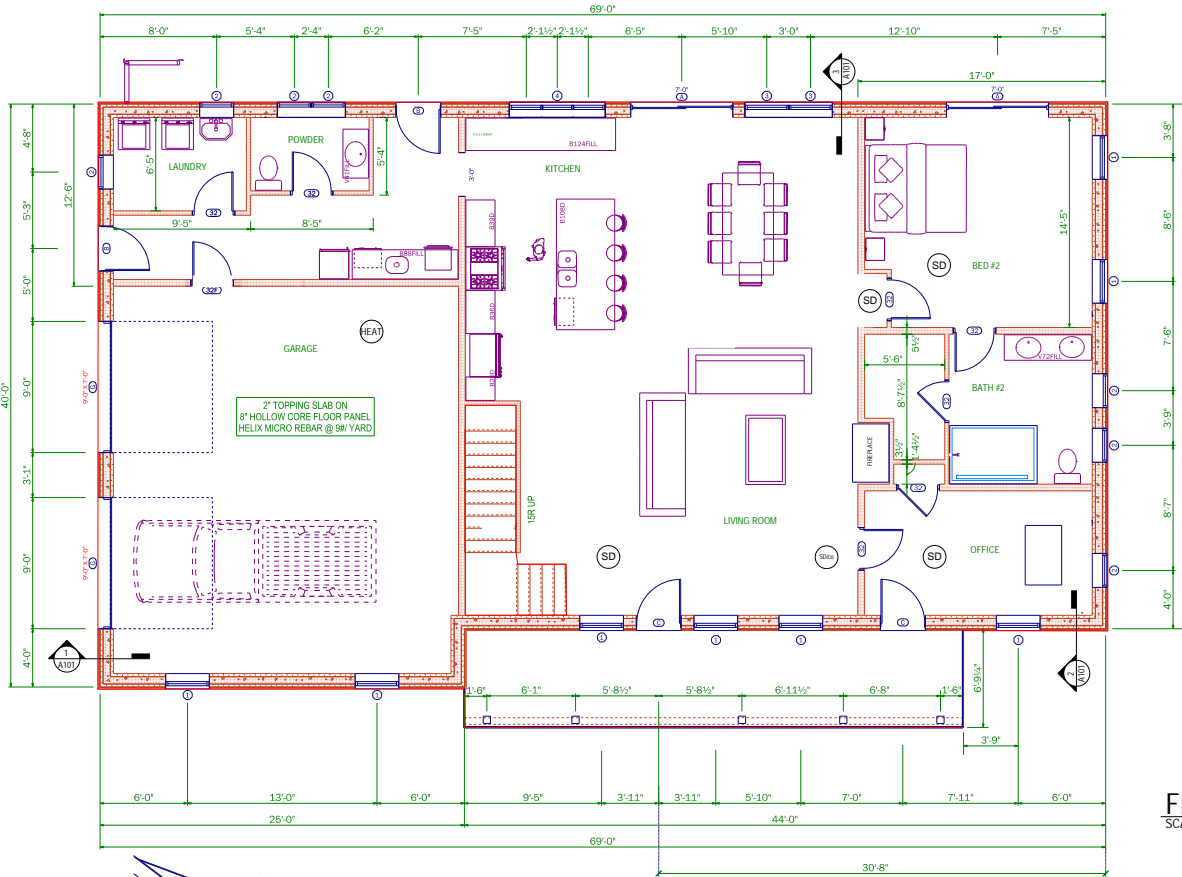


BASEMENT PLAN  
SCALE: 1/4" = 1'

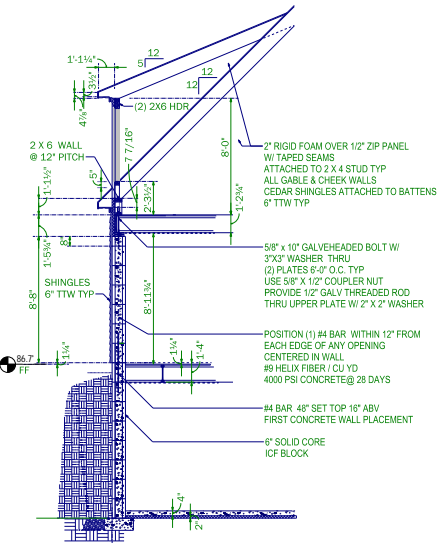
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DRAWN BY: MBR

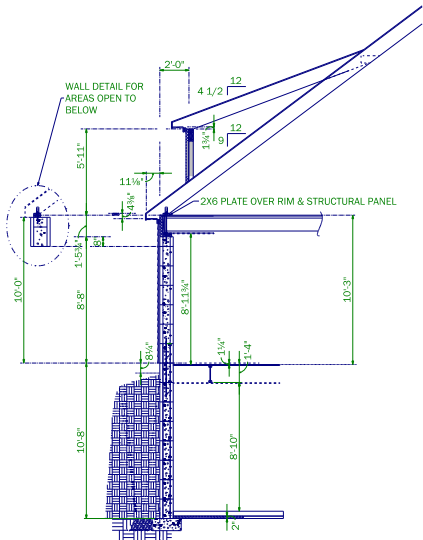
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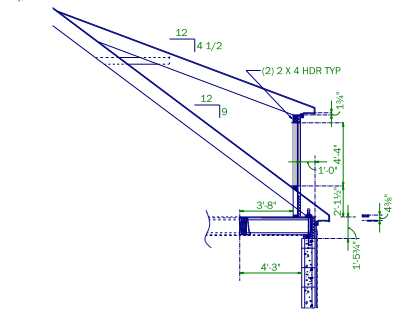
FIRST FLOOR PLAN  
SCALE: 1/4" = 1'



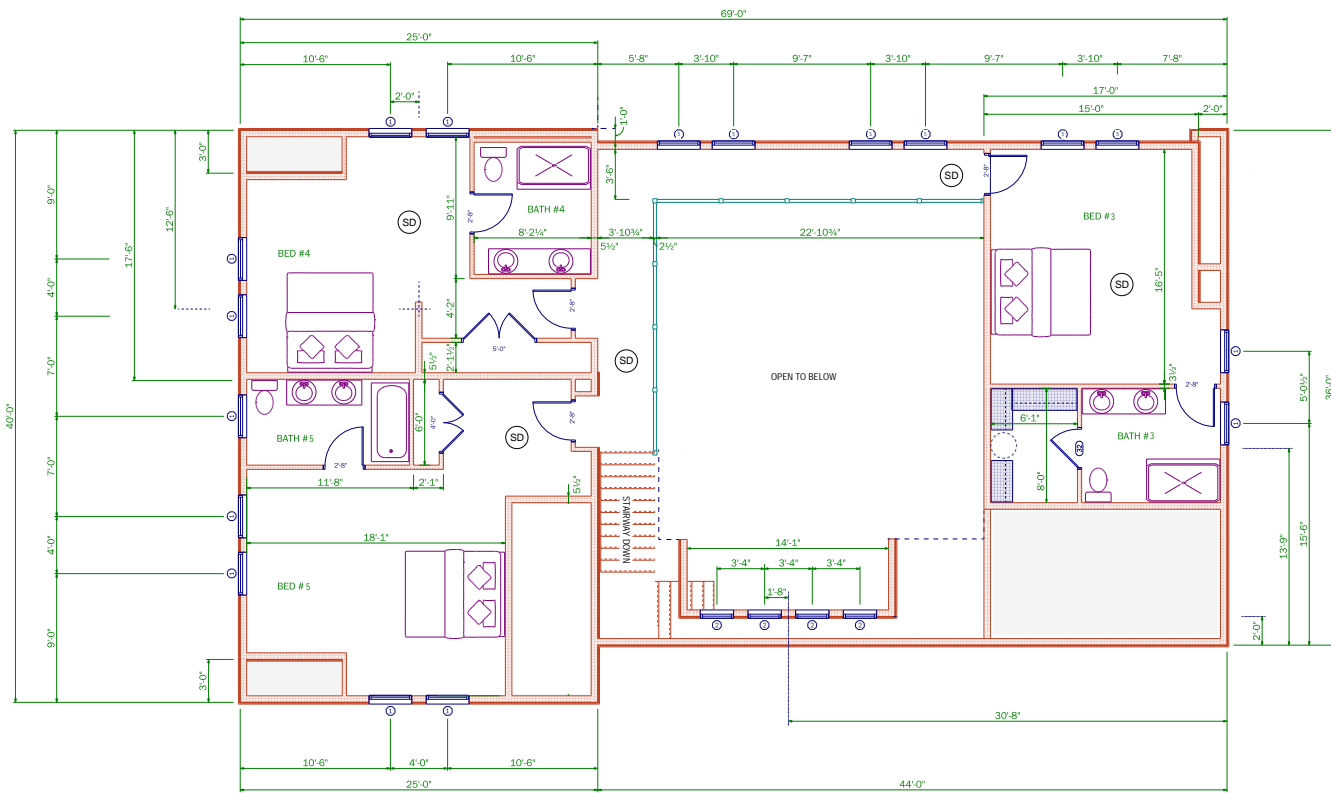
1 EXTERIOR ICF WALL  
1/4" = 1'



2 EXTERIOR ICF WALL  
1/4" = 1'



3 EXTERIOR ICF WALL  
1/4" = 1'



**SECOND FLOOR PLAN**  
SCALE: 1/4" = 1'



**SOUZA RESIDENCE**  
**TAKEMMY PATH LOT 3-D**  
**WEST TISBURY, MA**

PERMIT SET

DATE: 4.22.22  
REVISED: 6.14.23  
DRAWN BY: MBR

**A102**



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4/28/2022

SOUZA RESIDENCE  
TAKEMMY PATH LOT 3-D  
WEST TISBURY, MA

PRELIMINARY

DATE: 4.22.22

DRAWN  
BY: MBR

A500



WEST ELEVATION  
SCALE: 1/4" = 1'



EAST ELEVATION  
SCALE: 1/4" = 1'

PROPOSED APPROXIMATE GRADE



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6/18/2023

SOUZA RESIDENCE  
TAKEMMY PATH LOT 3-D  
WEST TISBURY, MA

PRELIMINARY

DATE: 4.22.22

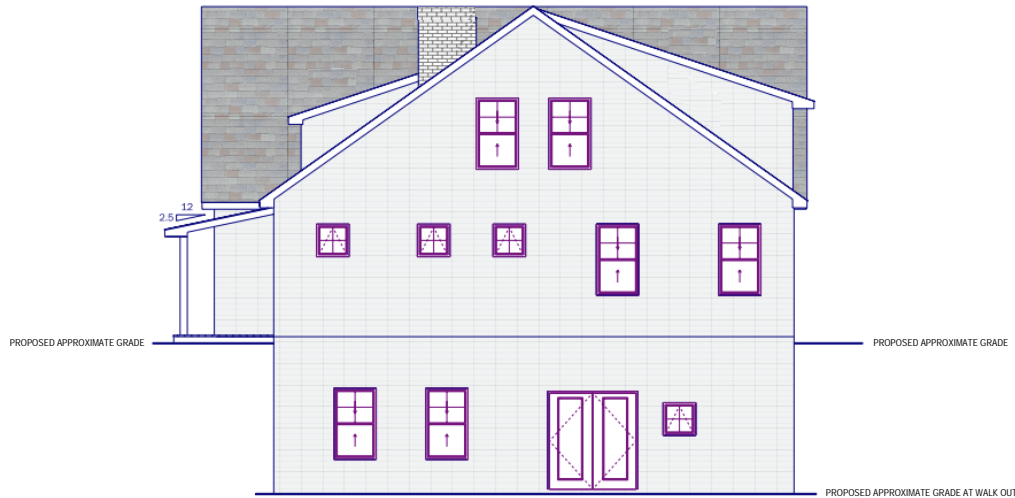
DRAWN BY: MBR

A501



**NORTH ELEVATION**

SCALE: 1/4" = 1'



**SOUTH ELEVATION**

SCALE: 1/4" = 1'