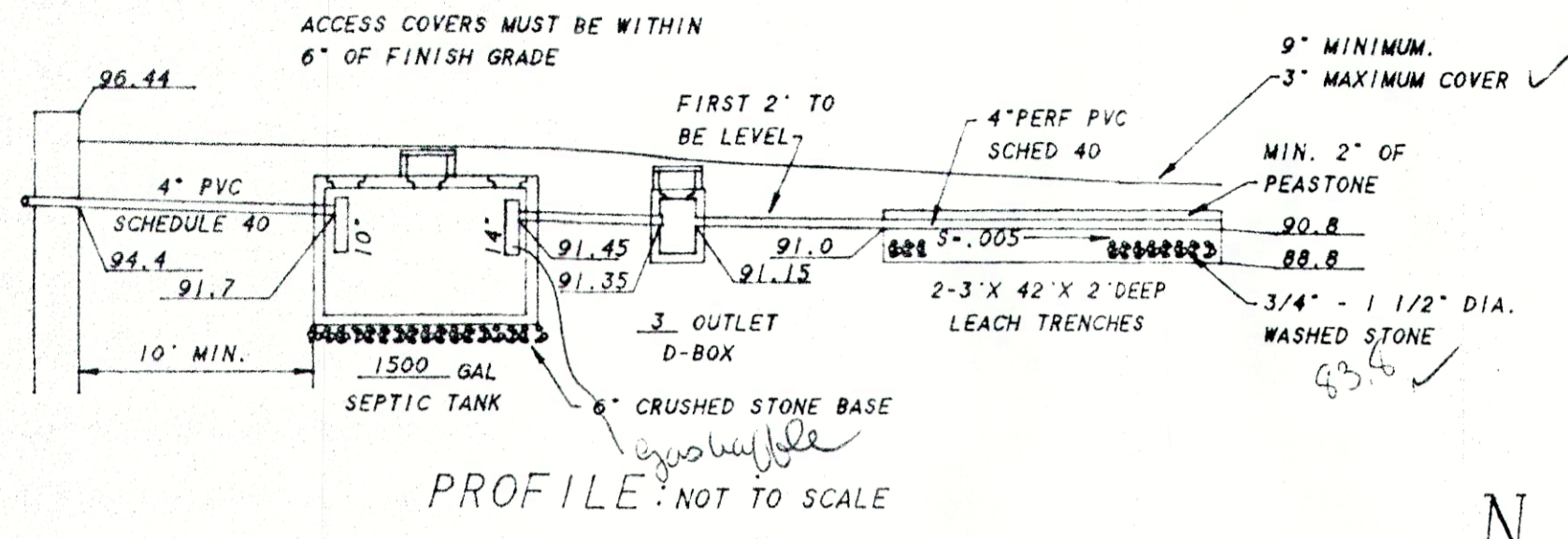


3014

**GENERAL NOTES:**

1. THIS PLAN IS FOR THE DESIGN AND CONSTRUCTION OF THE SEWAGE DISPOSAL SYSTEM ONLY.
2. ALL CONSTRUCTION METHODS AND MATERIALS AND MAINTENANCE OF THE SEPTIC SYSTEM SHALL CONFORM TO MASS. D.E.P. TITLE 5 AND LOCAL BOARD OF HEALTH REGULATIONS.
3. ALL SEPTIC SYSTEM COMPONENTS LOCATED UNDER AREAS SUBJECT TO VEHICULAR TRAFFIC OR GREATER THAN 3' IN DEPTH SHALL BE CAPABLE OF WITHSTANDING H-20 WHEEL LOADS.
4. ALL SEWER PIPE SHALL BE SCHEDULE 40 OR APPROVED EQUAL.
5. BEFORE CONSTRUCTION CALL "DIG-SAFE", 1-800-322-4844 AND THE LOCAL WATER DEPT. FOR LOCATION OF UNDERGROUND UTILITIES.
6. VERTICAL DATUM IS: ASSUMED
7. FOR BENCH MARKS SET. SEE SITE PLAN.
8. SEPTIC SYSTEM INSTALLER SHALL NOTIFY THE DESIGN ENGINEER ONE WEEK PRIOR TO CONSTRUCTION OF THE SYSTEM TO ALLOW FOR SCHEDULING OF THE CONSTRUCTION INSPECTIONS.
9. EXISTING CESSPOOLS TO BE PUMPED DRY, REMOVED IF IN THE AREA OF THE NEW LEACHING FACILITY AND BACKFILLED WITH SAND.



**INVERT ELEVATIONS:**

INVERT AT BUILDING:	94.40
INVERT IN SEPTIC TANK:	91.70
INVERT OUT SEPTIC TANK:	91.45
INVERT IN DIST. BOX:	91.35
INVERT OUT DIST. BOX:	91.15
INVERT IN LEACH TRENCH:	91.00
INVERT END LEACH TRENCH:	90.80
BOTTOM OF LEACH TRENCH:	88.80
ADJUSTED GROUND WATER:	N/A
OBSERVED GROUND WATER:	N/A
BOTTOM OF TEST HOLE #2:	83.8

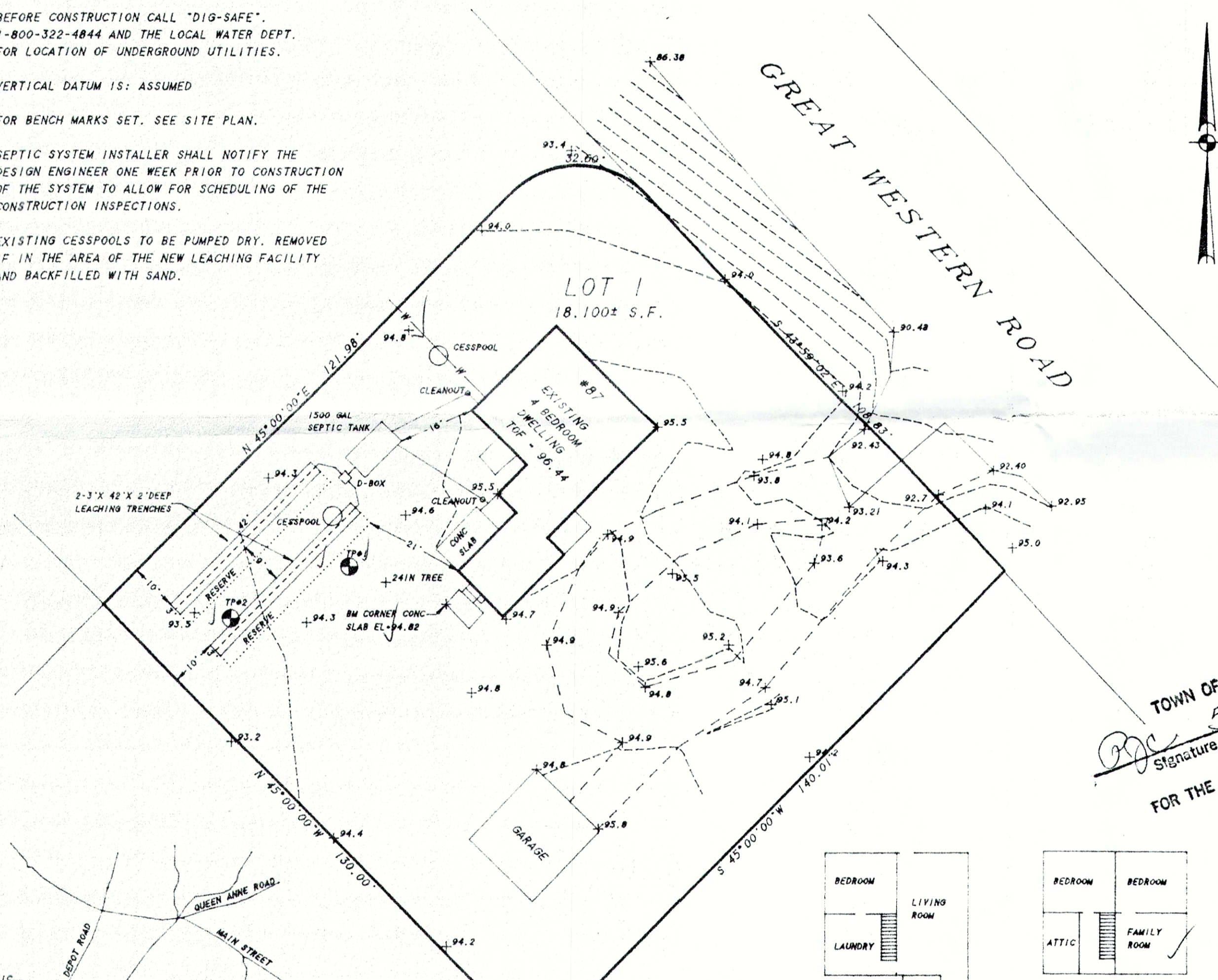
**DESIGN CRITERIA:**

DESIGN FLOW:  
 4 BEDROOMS AT 110 G.P.D. PER BEDROOM EQUALS 440 G.P.D. ✓  
 NO GARBAGE GRINDER  
 SEPTIC TANK REQUIRED:  
 440 G.P.D. X 200% = 880 GAL.  
 SEPTIC TANK PROVIDED: 1500 GAL.  
 SOIL ABSORPTION SYSTEM REQUIRED:  
 DESIGN PERC RATE = 5 MIN/INCH  
 SOIL TEXTURAL CLASS = L  
 EFFLUENT LOADING RATE = 0.74 GPD/SF  
 440 GPD / 0.74 GPD/SF = 595 S.F.  
 PROVIDED: 2-2' DEEP X 3' WIDE X 42' LONG LEACHING TRENCHES, A = 612 S.F.

**SOIL TEST PIT DATA**

TP# 1					TP# 2						
GRND EL. 94.3					GRND EL. 93.8						
G.W. EL. N/A					G.W. EL. N/A						
0'	HORIZON	TEXTURE	COLOR	OTHER	94.3	0'	HORIZON	TEXTURE	COLOR	OTHER	93.8
9'	A <sub>p</sub>	LOAMY SAND			93.6	11'	A <sub>p</sub>	LOAMY SAND			92.9
20'	B	LOAMY SAND			92.6	20'	B	LOAMY SAND			92.1
	C <sub>i</sub>	MED-FINE SAND	2.5Y 6/3				C <sub>i</sub>	MED-FINE SAND	2.5Y 6/3		
120'					84.3	120'					83.8

INDICATES PERCOLATION TEST (cross-hatched)  
 INDICATES OBSERVED GROUNDWATER (inverted triangle)

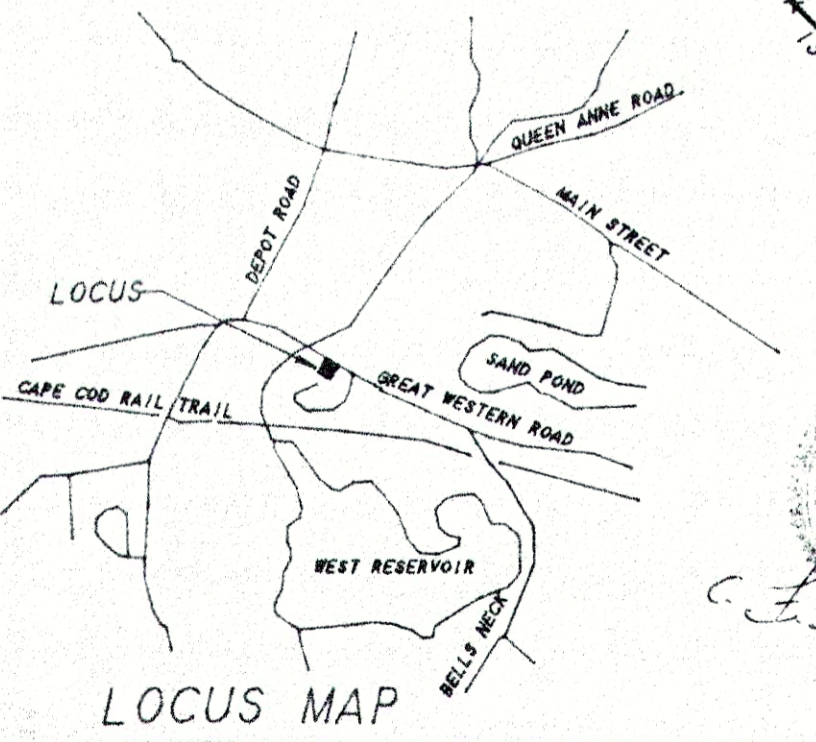
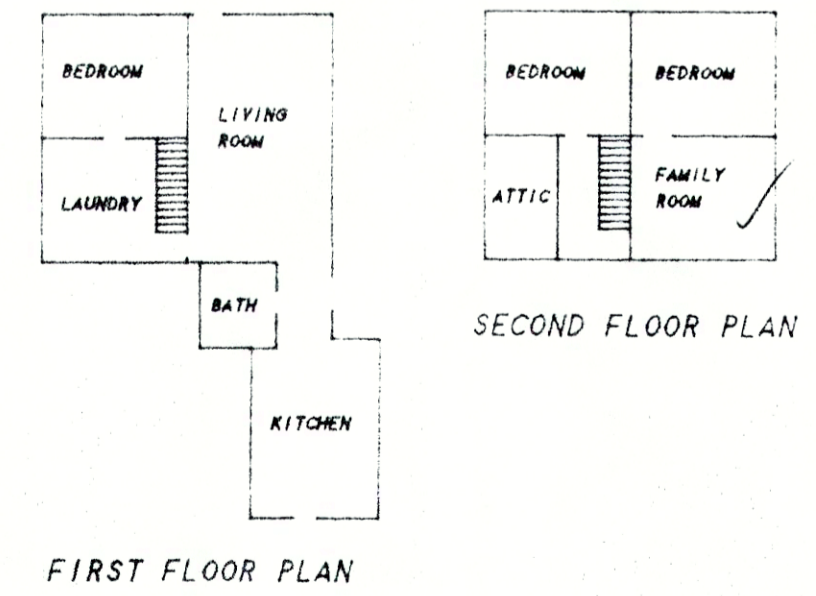


TOWN OF HARWICH  
 Signature: [Signature] Date: 5-13-96  
 FOR THE BOARD OF HEALTH

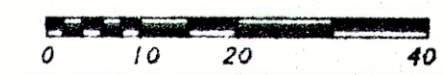
DATE: JULY 12, 1995  
 TEST BY: STEPHEN HAAS  
 WITNESSED BY: WILLIAM DOUBLEDAY  
 PERC RATE: 2 MIN/INCH

**SEPTIC SYSTEM DESIGN  
 IN  
 NORTH HARWICH, MA.**

PREPARED FOR:  
**MARIA DEDOMINICUS**  
 87 GREAT WESTERN RD. N. HARWICH, MA 02645  
 SCALE: 1" = 20'  
 AUGUST 30, 1995  
**EAGLE SURVEYING & ENGINEERING, INC.**  
 10 Seaboard Lane  
 Hyannis, Ma. 02601  
 (508) 778-4422  
 (508) 432-5333



Professional Engineer Seal: FRANK WHITTING No. 28960  
 Date: 8/30/95  
 Signature: [Signature]



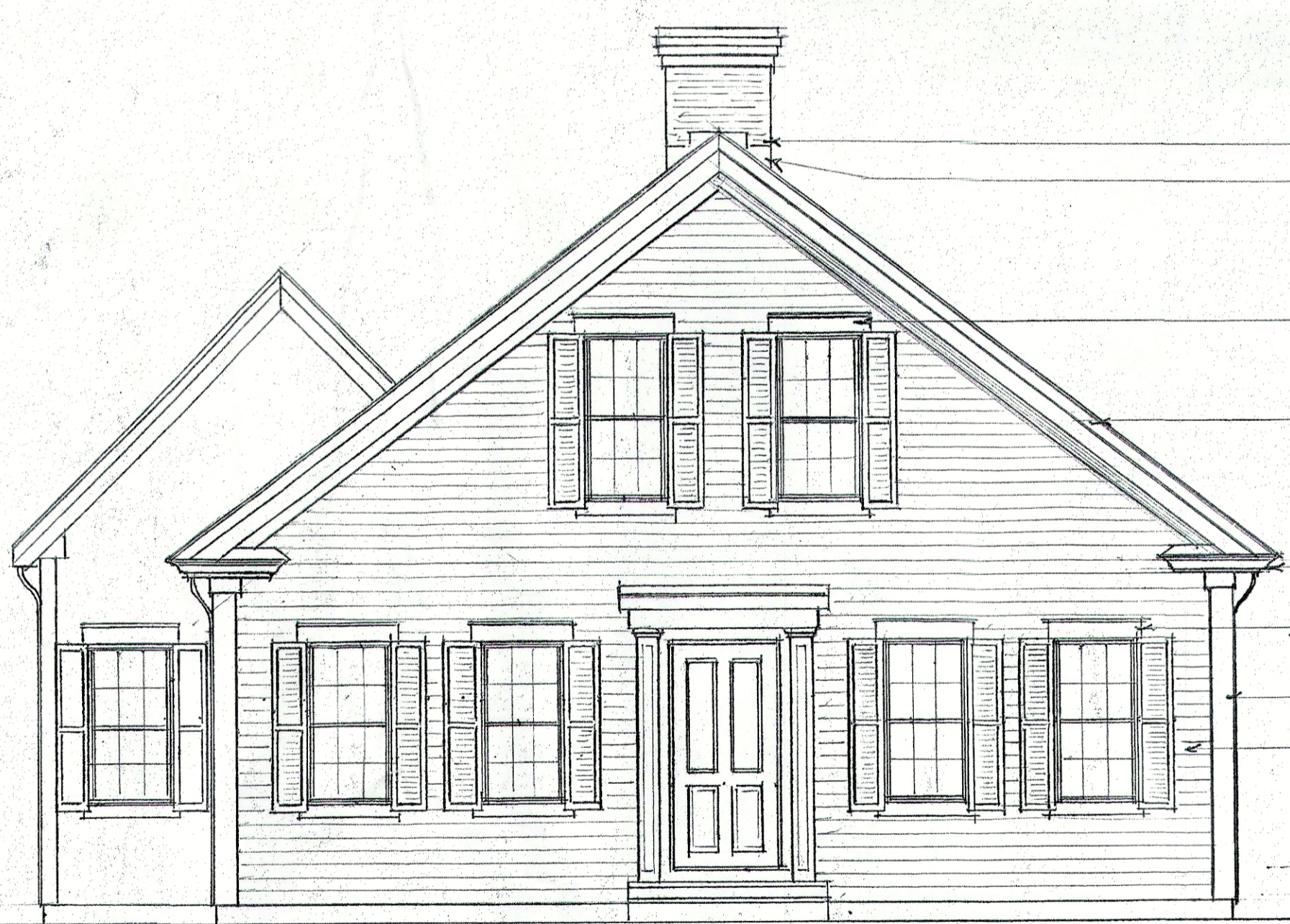
JOB NO: 95-272	FIELD: RVB/PDR	CALC: SAH/CFW	CHECK: CFW	DRN: SAH
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REAR ELEVATION



LEFT ELEVATION

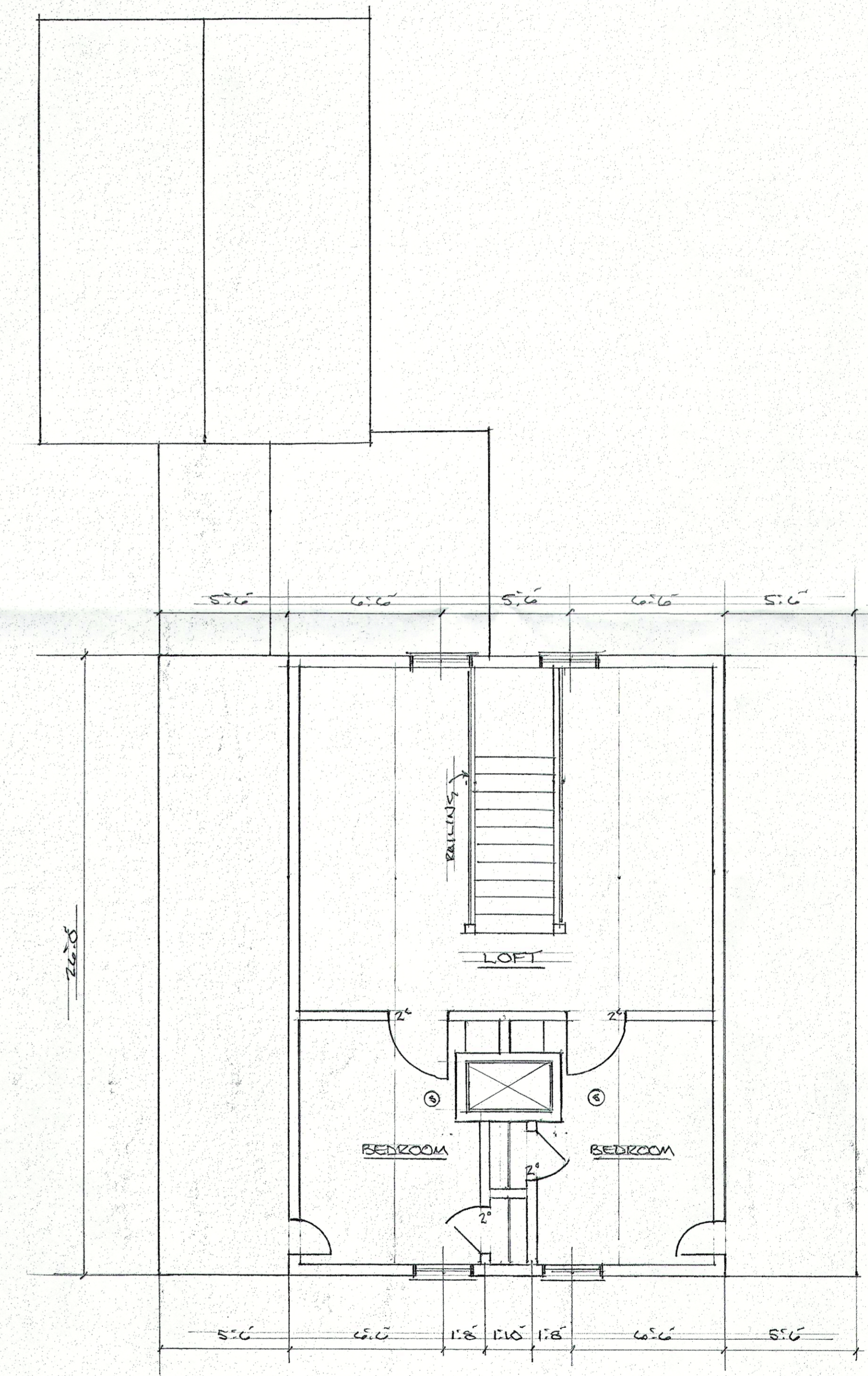
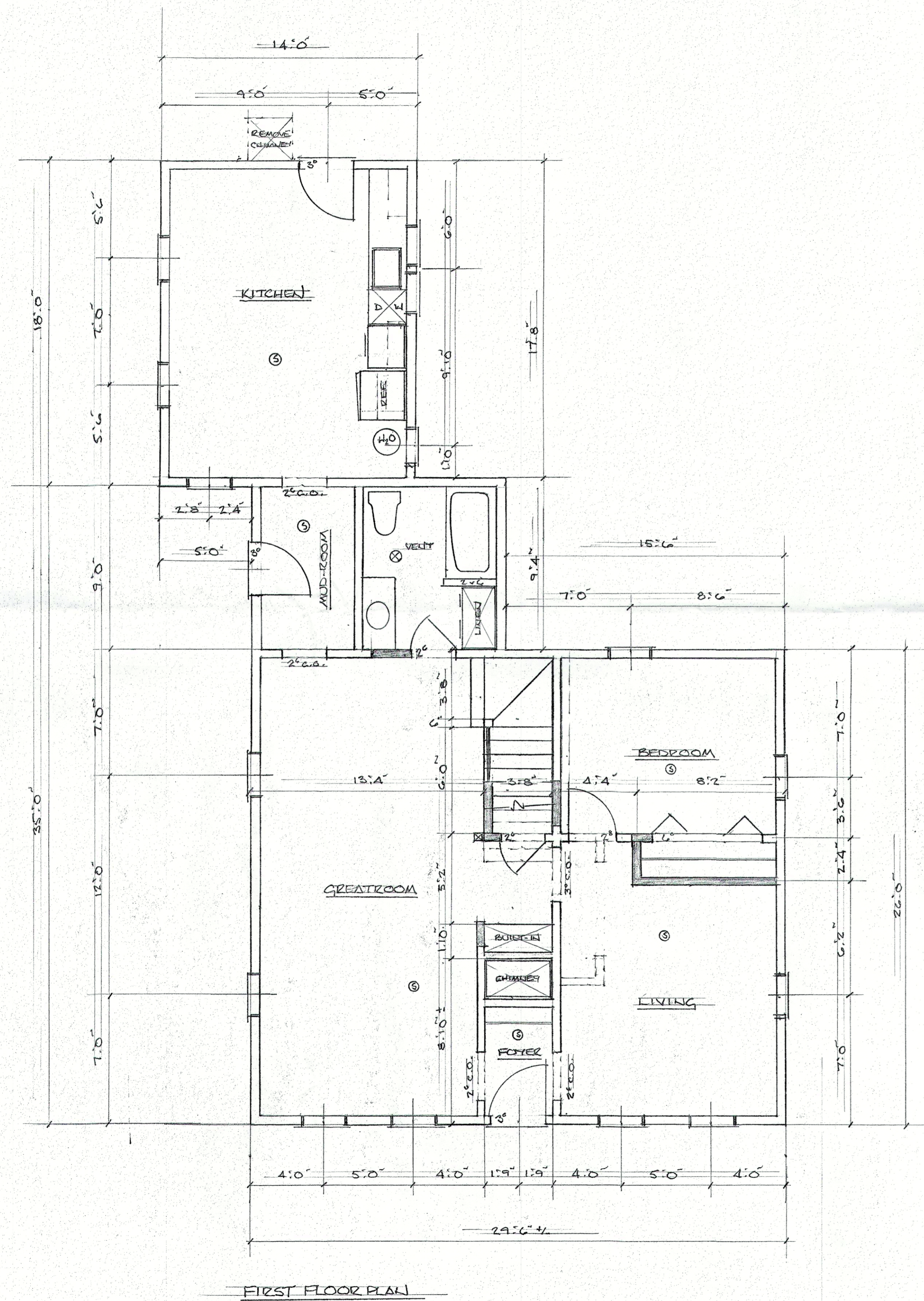


FRONT ELEVATION



RIGHT ELEVATION

GRAVEN ARCHITECTURAL DESIGN		
SCALE: 1/4" = 1'-0"	PH: 508-681-9830	
DATE: 8/15/13	JGRAVEN12102@GMAIL.COM	BY: J.S.
REMODEL - 87 GREAT WESTERN RD., HARVARD, MA		
D & S CONSTRUCTION		AT



GRAVEN ARCHITECTURAL DESIGN	
SCALE: 1/4" = 1'-0"	
DATE: 8/11/25	
REMODEL - 87 GREAT WESTERN RD., HARWICH	
D+S CONSTRUCTION	AZ