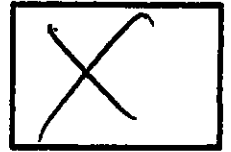




Type



Plans

B- 008205

Permit Number

4051

Street Number

Harrison Grade Rd

Street Name

Seb

Community Code

074-040-079

APN

When validated this permit will cover work as noted.

JUL 17-74 PAID
 JUL 17-74 SCBI
 568H ***10.00
 568H ***82.05

To: COUNTY OF SONOMA, BUILDING INSPECTION DEPARTMENT
The undersigned applicant for building permit certifies as follows:

CONTRACTOR'S LICENSE LAW CERTIFICATE

(COMPLETE EITHER A OR B)

- ☐ A. THE APPLICANT IS LICENSED UNDER THE PROVISIONS OF THE CONTRACTORS LICENSE LAW UNDER LICENSE NUMBER _____ WHICH LICENSE IS IN FULL FORCE AND EFFECT.
- ☒ B. THE APPLICANT IS EXEMPT FROM THE PROVISIONS OF THE CONTRACTORS LICENSE LAW FOR THE FOLLOWING REASONS:
CITY OF SONOMA

DATE

SIGNATURE

WORKMEN'S COMPENSATION CERTIFICATE

(One of three must be completed)

- ☒ 1. A currently effective certificate of Workmen's Compensation Insurance coverage is on file with this office.
- ☐ 2. I certify that in the performance of the work for which this permit will be issued I shall not employ any person in any manner so as to become subject to the workmen's compensation laws of California.
- ☐ 3. I do not regularly engage in construction work, however, I certify that Workmen's

Compensation Insurance _____ Policy # _____
is currently in force.

APPLICANT

APPROVED INSPECTION	DATE	INSPECTED BY
ROUGH WIRING		
ELECTRICAL SERVICES AND SWITCHBOARDS		
SERVICE & EQUIPMENT GROUNDING		
FINISH WIRING		
FIXTURE INSTALLATION		
FINAL ELECTRICAL		
TEMPORARY POWER POLES		
METER SET		
ELECTRICAL		
ELECTRICAL	FEE	NO.
OUTLETS	FIRST 20 @ 25c EACH OVER 20 @ 10c EACH	25c 10c
LIGHTING	FIRST 20 @ 25c EACH OVER 20 @ 10c EACH	25c 10c
FIXTURES	10c EACH	10c
RANGE OVER WATER HEATER, CLOTHES DRYER, MOBILE HOME, FORCED AIR UNIT, DISPOSAL DISHWASHER, ETC. / REFRIGERATOR		2.00
SERVICE AS NOTED		
AIR HEATERS	(PER KW)	10c
MOTORS		
NEW SINGLE FAMILY DWELLING (PER SQUARE FOOT OF LIVING AREA)		.0150
OTHER		
PLAN CHECKING FEE		
PERMIT FEE		3.00

TOTAL ELECTRICAL FEES →

UNDER FLOOR DUCTS		
FINAL DUCT WORK		
VENTS & FLUES		
ROOF MOUNTS FOR EQUIPMENT, INCLUDING PITCH ROCKETS		
ELECTRICAL WIRING AND DISCONNECTS		
EQUIPMENT AND GRILL INSTALLATION		
FINAL MECHANICAL		
INSTALLATION OF LADDERS		
MECHANICAL (DOES NOT APPLY TO SWIMMING POOL EQUIPT.)		
FORCED AIR OR GRAVITY FURNACE OR BURNER	1-100,000 BTU @ \$4.00 100,000 BTU & OVER @ \$5.00	\$4.00 \$5.00
FLOOR FURNACE, SUSPENDED HEATER, RECESSED WALL HEATER OR FLOOR MOUNTED UNIT HEATER		\$4.00
APPLIANCE VENT, VENT FAN (SINGLE-PHASE)		\$2.00
REFRIGERATION, COMFORT COOLING, ABSORPTION, OR EVAPORATIVE COOLING UNITS		\$4.00
BOILER, COMPRESSOR OR ABSORPTION SYSTEM - (REFER TO CODE FOR RATES)		\$3.00
AIR HANDLING UNITS - 1-10,000 CFM @ \$3.00 10,001 AND OVER @ \$5.00		\$3.00 \$5.00
EVAPORATIVE COOLER, SEPARATE VENTILATION SYSTEM, HOOD FOR EXHAUST SYSTEM		\$3.00
INCINERATOR - DOMESTIC - \$5.00 INDUSTRIAL OR COMMERCIAL - \$20.00		\$5.00 \$20.00
OTHER APPLIANCES OR EQUIPMENT		\$3.00
NEW SINGLE OR TWO FAMILY DWELLING (PER SQUARE FOOT OF LIVING AREA)		.0150
PERMIT FEE		
		3.00

TOTAL MECHANICAL FEES →

ROUGH PLUMBING		
ROUGH PLUMBING AND SHOWER PAN TESTS		
GAS PIPING		
FINAL ROUGH PLUMBING		
HOUSE SEWER		
HOT WATER HEATER INSTALLATION & VENT		
FINISH PLUMBING		
FINAL GAS PIPING		
METER SET		
FINAL INSPECTION		
PLUMBING		
PLUMBING FIXTURES		\$1.50
SEWER		\$5.00
GAS OUTLETS - 1 TO 5 @ \$1.50 OVER 5 @ 30c EACH		\$1.50
HOT WATER HEATER AND/OR VENT (ELECTRIC)		\$1.50
WATER PIPING		\$1.50
VAC. BREAKER W/WATER PIPING		\$2.00
NEW SINGLE FAMILY DWELLING (PER SQUARE FOOT OF LIVING AREA)		.0150
OTHER		
PLAN CHECKING FEE		
PERMIT FEE		2.00

TOTAL PLUMBING FEES

Application is hereby made to the Sonoma County Health Officer for a permit to construct or repair a sewage disposal system as described below in compliance with the code of Sonoma County or for clearance for other construction.

APPLICANT: FILL IN BETWEEN HEAVY LINES ONLY
AND REVERSE SIDE OF SHEET 1

OWNER NAME: Mr. & Mrs. W. P. R. S.

MAILING ADDRESS: 4151 Harrison Blvd.

CITY: San Rafael TEL. NO.: 325-6504

GENERAL CONTRACTOR: _____

SEPTIC SYSTEM CONTRACTOR: _____

ADDRESS: _____ TEL. NO.: _____

JOB ADDRESS: 4151 Harrison Blvd.

ASSESSOR'S PARCEL NO.: 77-046-79

SUBDIVISION: _____ LOT: _____ BLK: _____

CITY: San Rafael

PREVIOUS APPLICATION ☐ YES; ☒ NO. SYSTEM NEW ☐ ADDN/ALTER ☐

Installation will serve:

Residence ☒ Apt. House ☐ Commercial ☐ Mobile Home ☐ Motel ☐

Other ☐ Building Const. NEW ☐ ADDN/ALTER ☐

No. of Units	No. of Bedrooms	GARBAGE DISPOSAL UNIT
WATER SUPPLY	PUBLIC ☐	YES ☐ NO ☐
PRIVATE ☒	LOT SIZE	<u>3 1/2 AC.</u>

APPLICATION PROCEDURES

1. Call your district Sanitarian for discussion of preliminary plans. (Sanitarian's are available in the office between 8 A.M. and 9 A.M. Telephone 527-2711).
 - a) A preliminary plot plan is required.
 - b) Soil percolation tests may be required.
2. Submit completed Application, including detailed plot plan, to the County Public Health Service Office.
3. Obtain Validated Permit from the Building Inspection Department upon notification of approval and payment of fee.

I agree to obtain sanitarian's or design engineer's inspection of installation prior to covering.

I agree to construct this disposal system in accordance with all the provisions of the Code of Sonoma County, and Sec. 7031.5, Business and Professional Code, and with the plan drawn herein.

It is understood that the issuance of a permit in no way indicates that a guarantee of perfect and in-definite operation of this system is made by the Sonoma County Public Health Service, and that the homeowner is required to make any repairs necessary to confine sewage below the surface of the ground.

APPLICANT MUST COMPLETE REVERSE SIDE OF SHEET 1

Signature: W. P. R. S. Date: 1-1-79

Owner ☒ Agent ☐

BUILDING PERMIT NO.	RECEIPT NO.	NO FEE	NEW	REPAIR	DATE ISSUED	PERMIT NO.
A		X			7-17-74	511441
		FEE \$10	FEE \$5			

SEWERAGE SYSTEM LAYOUT PLAN

APPLICANT TO DRAW SYSTEM LOCATION, SHOWING DISTANCE TO BUILDINGS, PROPERTY LINES, WELLS, STREAMS, CUT BANKS, ETC. ALSO INDICATE SLOPE AND TERRAIN FACTORS.

of record

Proposed Bay 6

prop. bay 6
no pump bay
50 ft. dia.

Stanley Rd.

LAYOUT PLAN PREPARED BY _____ DATE _____

IMPORTANT: 1. Any deviation in construction from above sketch must be approved in writing.
2. Structural plans for the septic tank must be submitted to and approved by the Sonoma County Building Inspection Department prior to installation.
3. Final approval of any engineer-designed installation requires a signed statement by the design engineer certifying that the installation complies with the plans submitted and approved.
4. This permit expires at the same time as a building permit as provided for in Sec. 302(c) of the Uniform Building Code.

LAYOUT PLAN _____ DATE _____
APPROVED BY _____
CONSTRUCTION _____
APPROVED BY _____

**COUNTY OF SONOMA
PUBLIC HEALTH SERVICE**

3313 CHANATE RD. • SANTA ROSA, CALIF. 95404 • PHONE 527-2711

SONOMA COUNTY

BUILDING INSPECTION DEPARTMENT

House Sewer Permits obtained under provisions of Ordinance No. 320 from County Sanitation Department when in a sewer district.

Room 115A - 2555 Mendocino Ave.
Santa Rosa, Calif. 95401
(707) 527-2221

APPLICATION FOR PLUMBING WORK

WHEN VALIDATED THIS IS YOUR PERMIT

BLDG. PERMIT NO. A	COMMERCIAL ☐	NEW ☐	OCCUPANCY	RECEIPT NO.	PERMIT NO. P 16855
STOCK PLAN NO.	DATE RECEIVED 2-24-70	RECEIVED BY Mail			DATE ISSUED 2-24-70

NATURE OF INSTALLATION

PLUMBING FIXTURES		GAS INSTALLATION	
ROUGH PLUMBING	FIXTURES	HOT WATER HEATER	COMPLETE
HEATERS	SEPTIC TANK	CENTRAL FURNACE	SEWER
GAS PIPING		WALL FURNACE	
		FLOOR FURNACE	
		CIRCULATING HEATER	
		RANGE	
		TOTAL OUTLETS	
		OTHER PLUMBING EQUIPMENT	
		LAWN SPRINKLER SYSTEM	
		VACUUM BREAKERS	
		WATER SOFTENER	
TOTAL FIXTURES			

APPLICANT: FILL IN BETWEEN HEAVY LINES ONLY

OWNER Mr. H. N. Arelius
 JOB ADDRESS 4051 Harrison Grade Rd.
 CITY Occidental TEL NO 823-2927
 SUBDIVISION _____ LOT _____ BLK. _____
 NEAREST CROSS STREET _____
 NAME James Fisher & Son, Inc. Culligan
 ADDRESS 1236 Cleveland Ave.
 CITY Santa Rosa ZIP CODE 95401
 STATE _____ LICENSE NO. 248084 TEL NO 545-1330

I hereby acknowledge that I have read this application and agree to comply with all County Ordinances and State Laws regulating building construction. This permit will expire by limitation if work authorized is not commenced within 60 days or if work is suspended or abandoned for a period of 60 days.

APPLICANT

Notes: FEES IN ACCORDANCE WITH U.P.C., Sec. 1.13

WHEN VALIDATED THIS IS YOUR PERMIT

FEB 24-70 PAID
FEB 24-70 PAID
502P *****3.50
502 *****168.55

FEES	NO.	RATE	AMOUNT
PLUMBING FIXTURES		\$1.50	1 50
SEWER		5.00	
GAS OUTLETS - 1 TO 5 \$1.50 30¢ EA. OVER 5			
HOT WATER HEATER (ELECTRIC ☐) AND/OR VENT		1.50	
WATER PIPING		1.50	
TRAILER TRAP		1.50	
VAC. BREAKER W/WATER PIPING		2.00	
NEW SINGLE FAMILY DWELLING PER SQUARE FOOT OF LIVING AREA @		.0125	
PERMIT FEE			2 00
TOTAL FEE			\$ 3 50

APPROVALS DATE INSPECTOR

ROUGH PLUMBING
GAS PIPING
FINAL ROUGH PLUMBING
HOUSE SEWER
FINISH PLUMBING
FINAL GAS PIPING
METER SET

WORKMEN'S COMPENSATION CERTIFICATE

(One of three must be completed)

1. A currently effective certificate of Workmen's Compensation Insurance coverage is on file with this office.

BUILDING INSPECTOR

By _____

2. I certify that in the performance of the work for which this permit will be issued I shall not employ any person in any manner so as to become subject to the workmen's compensation laws of California.

Applicant _____

3. I do not regularly engage in construction work, however, I certify that Workmen's Compensation Insurance _____

Policy # _____ is currently in force.

Applicant _____

CONTRACTORS LICENSE LAW CERTIFICATE

TO: COUNTY OF SONOMA, BUILDING INSPECTION DEPARTMENT

The undersigned applicant for building permit certifies as follows: (Complete either A or B)

A. The applicant is licensed under the provisions of the Contractors License Law under license number _____ which license is in full force and effect.

B. The applicant is exempt from the provisions of the Contractors License Law for the following reasons:

10/05

6

Dated 10/05 By _____

10/05

20

Pine Barn

4051 Harrison Grade Rd.

Sebastopol, Co.

Roof Loads

Corrugated aluminum sheeting	1.0
2x rafters	2.0
3/8" std. sheeting	1.0
Misc.	1.0
	5.0 D.L.
	16.0 L.L.
	21.0 T.L.

Floor load

8.0 D.L.
125. L.L. Storage
133. 133 T.L.

Roof rafter

Span 10.5 ft.

@ 24" o.c. $w = 42 \frac{\text{lb}}{\text{ft}}$

$$M_b = (10.5)^2 (42) (0.125) = 560 \text{ ft-lb}$$

$$F_b = \frac{(560)(12)}{750} = 875 \frac{\text{lb}}{\text{ft}^2} \text{ for } 2 \times 6 @ 24" \text{ o.c.}$$

USE 2x6 @ 24" o.c.
Maximum
spacing

* APPROVED *

Raymond 7/17/74

Sonoma County Building Inspection

Pike Barn
4051 Harrison Grade Rd.
Sebastopol, Ca.

Roof ridge beam

Span 20 ft.

trib = 10.5

$$W = (10.5)(21) = 215 \frac{\#}{ft}$$

$$M_o = (215)(20)^2(0.125) = 10.5 \text{ ft-k}$$

$$f_b = \frac{(10.5)(12)}{(75)(125)} = 1.38 \frac{\#}{in^2}$$

$$\Delta_{T.L.} = \frac{(0.0141)(210)(20)^4}{415} = 1.12 \text{ in}$$

$$\Delta_{OL} = \frac{5}{20}(\Delta_{T.L.}) = 0.36 \text{ in}$$

USE 4x12
Grade # 2

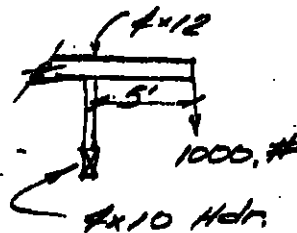
Hoist beam over front

extend 4x12 out 5'-0"

P = 1000. #

M_o = 5.0 ft-k

f_b = OK



$$\text{Foot reaction} = \left(\frac{25}{20}\right)(5) = 6.25 \text{ k}$$

Shear to header = 3.12 k

$$f_v = \frac{(1.5)(3.12)}{(59.4)(1.25)} = 95 \frac{\#}{in^2}$$

5'-0" overhang
beam good for
1000. # load
17KX11KX11

Sheet 3 of 5
 Price Barn
 4051 Harrison Grade Rd.
 Sebastopol, Cal.

Valley beam

Span 10 ft.

trib = 10.5 ft.

$W = 210 \frac{\#}{ft}$

$$M_b = (100)(210)(125) = 263 \text{ ft-k}$$

$$f_b = \frac{(263)(12)}{(50)(125)} = 500 \frac{\#}{in^2}$$

USE 4x10 Gr # 2

Loft floor joists

$$\begin{aligned} D.L. &= 8.0 \frac{\#}{ft^2} \\ L.L. &= 125 \frac{\#}{ft^2} \end{aligned} \quad \left. \begin{aligned} &103 \frac{\#}{ft^2} = T.L. \end{aligned} \right\}$$

trib = 133 ft.

$W = 177 \frac{\#}{ft}$

$$M_b = (177)(10)^2(0.125) = 2212 \text{ ft-k}$$

$$f_b = \frac{(2212)(12)}{21.4} = 1240 \frac{\#}{in^2}$$

$$\Delta = \frac{(0.014)(177)(10)^3}{99} = .25 \text{ in}$$

$$f_v = \frac{(1.5)(2212)}{13.9} = 95.5 \frac{\#}{in^2} \checkmark$$

USE 2x10 @ 16" o.c. Gr. # 2

Loft floor beam

span 9'-6" ft. clear

trib 10 ft.

$$W = (133 \frac{\#}{ft^2})(10) = 1330 \frac{\#}{ft}$$

$$R = 1330(2.75) = 3657.5 \text{ k} \quad V = 3657.5 - (\frac{1.5}{12})(1330) = 4770 \text{ k}$$

$$f_v = \frac{(1.5)(4770)}{7.3} = 96 \frac{\#}{in^2}$$

$$M_b = (1330)(10)^2(0.125) = 16625 \text{ ft-k}$$

$$f_b = \frac{(16625)(12)}{167} = 1200 \frac{\#}{in^2}$$

USE 6x14 $\checkmark$ Doug fir gr. # 2

Price Barn.
405 Harrison Grade
Seabrook Co.

Loft header. (interior of over well)

Span 9'-0"
trib 5'-0"

$$W = (83)(5) = 415 \frac{\text{lb}}{\text{ft}}$$

$$R = (4.75)(415) = 3.2$$

$$V = 3200 - 415 = 2535$$

$$L_v = \frac{(1.5)(2535)}{39.4} = 96 \frac{\text{lb}}{\text{in}^2}$$

USE 4x12
Header
down for GC #3

Lateral

Wind governs @ 20 $\frac{\text{lb}}{\text{ft}^2}$
total height = 22'

$$w/\text{ft} = (20)(11) = 220 \frac{\text{lb}}{\text{ft}} \text{ to roof}$$

Roof diaphragm
USE 3/8" std shlg
w/ 8d @ 4' o.c.
@ perimeter
6" o.c. @ sheet
edges.

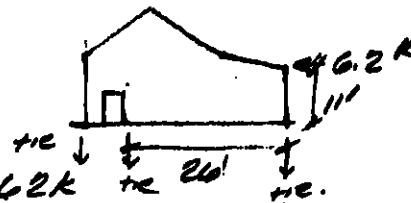
Rear wall. (worst case.)

$$w/\text{ft} = 220 \left(\frac{26}{24} \right) = 237 \frac{\text{lb}}{\text{ft}}$$

@ max

$$V = (237)(24) = 5.68 \text{ K}$$

$$\text{tie down} = (5.68) \left(\frac{1}{6} \right) = 0.947 \text{ K}$$



USE 1/2" std shlg
w/ 10d @ 6" o.c.
1/2" x 10" db. @ 4'-0"
tie rear wall
down 3 locations
Simpson HD-2

Sheet 5 of 5

Price Barn.
4051 Harrison Gr.
Schwartz, Co.

Chord stress @ top R.

$$2/4 = 220 \text{ #/ft}$$

$$\text{chord} = \frac{(220)(32)^2(0.125)}{28} = 1005 \text{ #}$$

lap splice top R
4'-0" min w/10-16s
ea. side of splice.