

B

Type

12

Docs

1

Plans

BLD05-1002

Building Permit Number (List all associated with these documents)

5985

Street Number

Lone Pine Road

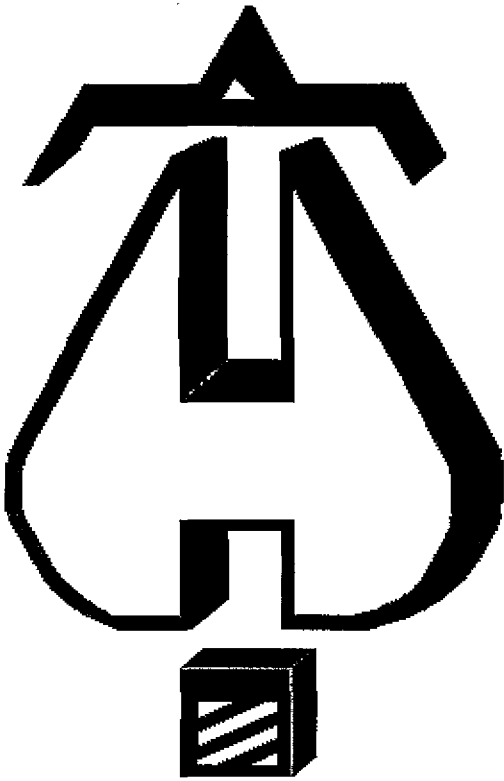
Street Name

Hes

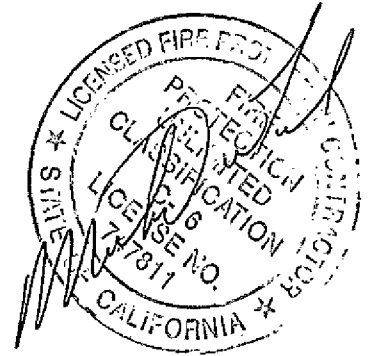
Community Code

063-090-050

APN



... Fire Protection by Computer Design



FIRE PROTECTION UNLIMITED
211 CRESCO COURT
SUITE B
SANTA ROSA CA 95407
707-584-2774

Job Name : NIX BARN CONVERSION
Building : 1
Location : 5985 LONE PINE ROAD, SEBASTOPOL CA.
System : 1
Contract : RS-25016
Data File : 25016-1A.WX1

HYDRAULIC DESIGN INFORMATION SHEET

Name - NIX BARN CONVERSION Date - 2/22/05
Location - 5985 LONE PINE ROAD, SEBASTOPOL CA.
Building - 1 System No. - 1
Contractor - FPU, INC. Contract No. - RS-25016
Calculated By - REF Drawing No. - FSP-1
Construction: (X) Combustible () Non-Combustible Ceiling Height VARIES
OCCUPANCY - SINGLE FAMILY DWELLING

S Type of Calculation: () NFPA 13 Residential () NFPA 13R (X) NFPA 13D
Y Number of Sprinklers Flowing: (X) 1 () 2 () 4 ()
S () Other
T () Specific Ruling Made by Date
E
M Listed Flow at Start Point - 18 Gpm System Type
Listed Pres. at Start Point - 17.5 Psi (X) Wet () Dry
D MAXIMUM LISTED SPACING 16 x 16 () Deluge () PreAction
E Domestic Flow Added - 5 Gpm Sprinkler or Nozzle
S Additional Flow Added - Gpm Make RELIABLE Model RFC43
I Elevation at Highest Outlet - 116 Feet Size 1/2" K-Factor 4.3
G Note: Temperature Rating 165
N

Calculation Gpm Required 23.18 Psi Required 54.526 At SRC
Summary C-Factor Used: Overhead 150 Underground 150

W Water Flow Test: Pump Data: Tank or Reservoir:
A Date of Test - Rated Cap. Cap.
T Time of Test - @ Psi Elev.
E Static (Psi) - 5 Elev.
R Residual (Psi) - 3 Other Well
Flow (Gpm) - 50 Proof Flow Gpm
S Elevation - 96

P Location:
P
L Source of Information: BUILDER
Y

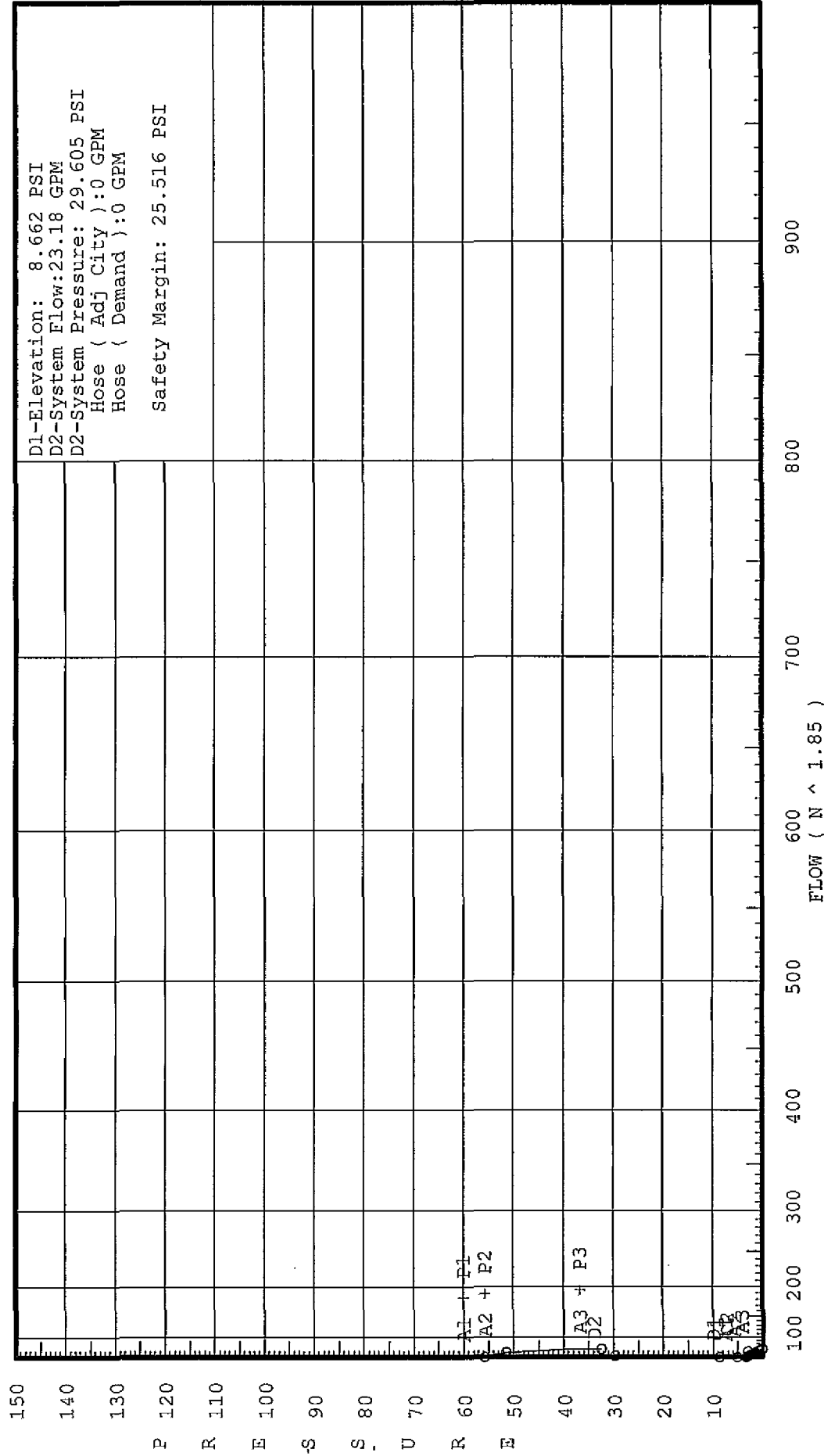
City Water Supply:

C1-Static Pressure: 5 PSI
C2-Residual Pressure: 3 PSI
C2-Residual Flow: 50 GPM

City Water Adjusted to Pump Inlet
for Pf - Elev - Hose Flow
A1-Adjusted Static: 3.268 PSI
A2-Adj Resid: 1.407 PSI @ 45 GPM
A3-Adj Resid: 0 PSI @ 61.2 GPM

Pump Data:

P2-Pump Rated Pressure: 50 PSI
P2-Pump Rated Flow: 45 GPM
P1-Pump Churn Pressure: 52.5 PSI
P3-Pump Pressure @ Max Flow: 32.5 PSI
P3-Pump Max Flow: 61.20 GPM
City Residual Flow @ 0 PSI = 82.05 GPM
City Residual Flow @ 20 PSI = GPM
City Water @ 150% of Pump = 2.09 PSI
Pump flow terminated at adjusted curve 0 psi



Fitting Legend

Abbrev.

Name

A	GENERIC ALARM VALVE
B	GENERIC BUTTERFLY VALVE
F	CPVC 45 DEG ELBOW
G	GENERIC GATE VALVE
N	CPVC 90 DEG ELBOW
O	COPPER M 90 DEG ELBOW
P	COPPER M BRANCH TEE
Q	COPPER M RUNTHRU TEE
R	CPVC RUNTHRU TEE
S	SWING CHECK VALVE
T	CPVC BRANCH TEE
U	COPPER K 90 DEG ELBOW
V	COPPER K BRANCH TEE
W	COPPER K RUNTHRU TEE
X	COPPER L 90 DEG ELBOW
Y	COPPER L BRANCH TEE
Z	COPPER L RUNTHRU TEE

Unadjusted Fittings Table

	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
A							7.7	21.5		17.0
B							7	10		12
F		1	1	2	2	2	3	4		
G			1	1	1	1	1	1	1	2
N		7	7	8	9	11	12	13		
O		2	3	3	5	7				
P		4	8	7	9	13				
Q		1	3	2	3	5				
R		1	1	1	1	1	2	2		
S	4	5	5	7	9	11	14	16	19	22
T		3	5	6	8	10	12	15		
U		1	2	3	4	6				
V		3	6	5	8	12				
W		1	2	2	3	4				
X		2	3	3	4	6				
Y		4	7	6	9	12				
Z		1	2	2	3	4				

	5	6	8	10	12	14	16	18	20	24
A	17	27	29							
B	9	10	12	19	21					
F										
G	2	3	4	5	6	7	8	10	11	13
N										
O										
P										
Q										
R										
S	27	32	45	55	65	76	87	98	109	130
T										
U										
V										
W										
X										
Y										
Z										

Node No.	Elevation	K-Fact	Pt Actual	Pn Actual	Flow Added	Density Req.	Area	Press Req.
S1	116		18.94	na				
S1	116		18.94	na				
S2	116	4.3	17.87	na	18.18	.071	256	17.5
1	116		18.59	na				
2	113		20.95	na				
T	106		25.28	na				
B	104		26.66	na				
D	102		28.09	na	5			
U	96		30.77	na				
PO	100		29.6	na				
PI	100		48.31	na				
SRC	96		46.51	na				

The maximum velocity is 6.67 and it occurs in the pipe between nodes B and D

Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/UL	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	***** Notes *****
S1 to 1	-7.00 -7.00	1.101 150 -0.0098	3N 1T	7.000 5.000	9.250 26.000 35.250	18.939 -0.344	Vel = -2.359
	-7.00				18.595		K Factor = -1.62
S1 to 2	7.00 7.00	1.101 150 0.0098	4R 4N 2T	1.000 7.000 5.000	31.250 42.000 73.250	18.939 1.299 0.715	Vel = 2.359
	7.00				20.953		K Factor = 1.53
S2 to 1	18.18 18.18	1.101 150 0.0570	1N 1T	7.000 5.000	0.750 12.000 12.750	17.867 0.727	K Factor = 4.3 Vel = 6.126
1 to 2	-7.01 11.17	1.101 150 0.0232	2N 2R 1T	7.000 1.000 5.000	24.750 21.000 45.750	18.594 1.299 1.060	Vel = 3.764
2 to T	7.01 18.18	1.101 150 0.0570	1T 1R 1N	5.000 1.000 7.000	13.750 9.000 22.750	20.953 3.032 1.297	Vel = 6.126
T to B		1.101 150 0.0570	2R 1S	1.000 5.000	2.000 7.000 9.000	25.282 0.866 0.513	Vel = 6.126
B to D		1.055 150 0.0703	2O	3.000	2.000 6.000 8.000	26.661 0.866 0.562	Vel = 6.672
D to U	5.00 23.18	2.003 150 0.0048	1Z 1G 1X	4.000 1.000 6.000	6.000 11.000 17.000	28.089 2.599 0.082	Qa = 5 Vel = 2.360
U to PO		2.003 150 0.0048	2N	11.000	95.000 22.000 117.000	30.770 -1.732 0.567	Vel = 2.360
	23.18				29.605		K Factor = 4.26
System Demand Pressure					29.605		
Safety Margin					25.516		
Continuation Pressure					55.121		
Pressure @ Pump Outlet					55.121		
Pressure From Pump Curve					-52.399		
Pressure @ Pump Inlet					2.722		
PI to SRC		2.003 150 0.0048	1V	12.000	1.000 12.000 13.000	2.722 1.732 0.063	Vel = 2.360
	23.18				4.517		K Factor = 10.91

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
2550 VENTURA AVENUE, SANTA ROSA, CA 95403-2829
(707) 565-1900 FAX (707) 565-1103

Building Permit Invoice: BLD05-1002

Project Address: 5985 LONE PINE RD HES
Cross Street: EVELYN CT

APN: 063-090-050

Description: RESIDENTIAL FIRE SPRINKLERS

Res/Com: R
Std/Quick: Q
Fire District: GOLD RIDGE FIRE

Status: **PREISSUE**
Printed: March 08, 2005
Initialized by: LHELTON
Activity Type: B-BLD 401

Insp Area: 10
Site Review File #:
Site Review Fees Paid: \$0.00

Owner: NIX PHILIP C TR
5985 LONE PINE RD
SEBASTOPOL CA 95472-5612
707 284 3209

Applicant: F P U INC
211 CRESCO ST STE B
SANTA ROSA CA
FIRE PROTECTION UNLIMITEDHIC 95407
707 584 2770

Occupancy	Type	Factor	Sq Feet	Valuation
	Totals...			\$0.00*

Fees:

Item#	Description	Account Code	Tot Fee	Prev. Pmts	Cur. Pmts
119	FIRE COMMERCIAL REVIEW	649103-3661	630.00	210.00	.00
140	TECH ENHANCEMENT FEE	025015-4040	3.15	3.15	.00

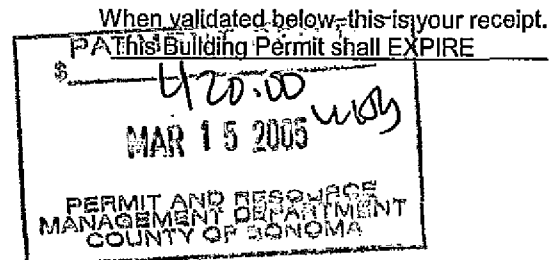
\$633.15 \$213.15

Total Fees: \$633.15

Total Paid: \$213.15

Balance Due: \$420.00

Refunds are regulated by the California Building Code (CBC) which reads: "Under Section 107.6, CBC, the building official may authorize refunding of not more than 80 percent of the plan review fee paid when an application is withdrawn or canceled before any plan reviewing is done. The building official may authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under the permit. There shall be no refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment."



California Home

Tuesday, March 08, 2005

Welcome to

California

License Detail

CALIFORNIA CONTRACTORS STATE LICENSE BOARD

Contractor License # 747811

DISCLAIMER

A license status check provides information taken from the CSLB license data base. Before relying on this information, you should be aware of the following limitations:

- CSLB complaint disclosure is restricted by law (B&P 7124.6). If this entity is subject to public complaint disclosure, a link for complaint disclosure will appear below. Click on the link or button to obtain complaint and/or legal action information.
- Per B&P 7071.17, only construction related civil judgments known to the CSLB are disclosed.
- Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.
- Due to workload, there may be relevant information that has not yet been entered onto the Board's license data base.

Extract Date: 03/08/2005

***** Business Information *****

F P U INC
211 CRESCO CT SUITE B
SANTA ROSA, CA 95407
Business Phone Number: (707) 584-2770

Entity: **Corporation**
Issue Date: 04/06/1998 Expire Date: 04/30/2006

***** License Status *****

This license is current and active. All information below should be reviewed.

***** Classifications *****

Class	Description
C16	FIRE PROTECTION CONTRACTOR

***** Bonding Information *****

CONTRACTOR'S BOND: This license filed Contractor's Bond number 21025 in the amount of \$10,000 with the bonding company
AMERICAN CONTRACTORS INDEMNITY COMPANY.
Effective Date: 01/01/2004

Contractor's Bonding History

BOND OF QUALIFYING INDIVIDUAL(1): This license filed Bond of Qualifying Individual number 21026 for MICHAEL WILFRED TUCK in the amount of \$7,500 with the bonding company **AMERICAN CONTRACTORS INDEMNITY COMPANY.**

Effective Date: 07/08/1999

BQI's Bonding History***** Workers Compensation Information *****

This license has workers compensation insurance with the

ZENITH INSURANCE COMPANY

Policy Number: Z066422301 Effective Date: 10/01/2004 Expire Date: 10/01/2005

Workers Compensation History

Personnel listed on this license (current or disassociated) are listed on other licenses.

Personnel List **Other Licenses**

License Number Request

Contractor Name Request

Personnel Name Request

Salesperson Request

Salesperson Name Request

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RS-25016

2550 Ventura Avenue, Santa Rosa, CA 95403

(707) 565-1900

FAX (707) 565-1103

Please Print
Your Name:

Chris Hoke

Date
Applied:

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

Site Address: 5985 Lone Pine Road		City: Sebastopol, CA		ZIP: 95472
Cross Street: Evelyn Ct.		Subd. Name: 0603-090-050		Project Fax #: ()
Directions:		Unit #	Lot #	
Describe Project: Install Fire Sprinkler System		Living Area: 821	Contract Price:	
		Garage: 348		
		Docks:		

OWNER NAME AND ADDRESS			APPLICANT NAME AND ADDRESS		
Name: Philip & Susan Nix			Name: Fire Protection Unlimited		
Mailing Address: 5985 Lone Pine Road			Mailing Address: 211 Cresco Ct. Ste. B		
City: Sebastopol	State: CA	ZIP: 95472	City: Santa Rosa	State: CA	ZIP: 95407
Day Ph: (707) 284-3209	Fax: ()		Day Ph: (707) 584-2770	Fax: (707) 584-2774	

COMPANY INFORMATION			OWNER INFORMATION		
Company Name: Fire Protection Unlimited			Name:		
Address: 211 Cresco Ct. Ste. B			Address:		
City: Santa Rosa	State: CA	ZIP: 95407	City:	State:	ZIP:
Day Ph: (707) 584-2770	Fax: (707) 584-2774		Day Ph: ()	Fax: ()	
License No:			Exp. Date:		

WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: Zenith Insurance Co.
Policy No: 2066422301

(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Exp. Date: 10/1/05 Applicant: Mike Turk

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3700 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code; Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.)

☐ I am exempt under Sec. B & P.C. for this reason:

Date: _____ Owner: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. Class: C16 Lic. No: 747811

Exp. Date: 4/30/06 Contractor: Mike Turk

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that () does () does not contain asbestos, or that: ☐ no demolition is authorized by this permit.

I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: [Signature] DATE: 7/10/05

ADDRESS: 211 Cresco Ct. Ste. B Santa Rosa 95407 CITY: ZIP:

☐ Contractor ☐ Owner ☐ Other Licensed Professional

Final Date: 8/19/05 Inspector: [Signature]

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

CONSTRUCTION LENDING DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Ch. C.)

Lenders Name: _____

Lenders Address: _____

FOR DEPARTMENT USE

Zoning: _____ File No: _____ Acres: _____

Existing Use/Structures: _____

Proposed Use/Structures: _____

Zoning Min. Yard Requirements: Front _____ Left _____ Right _____ Back _____

NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. ☐ Mitigation Required ☐ Address subject to change

Approval for Permit Issuance: _____ Approval for Occupancy: _____

By: _____ Date: _____

Conditions: _____

Sewer Connection: ☐ Available ☐ Fees Paid

Approved by: _____ Date: _____

Road Encroachment: ☐ Fees Paid

Approved by: _____ Date: _____

Septic System Permit/Clearance # _____

Approved by: _____ Date: _____

Flood Zone: ☐ Yes ☒ No 100 Year Flood Elevation: _____

Site Review: _____

Drainage Review: _____

Approved by: _____ Date: _____

Fire: _____

Approved by: _____ Date: _____

Code Enforcement Violation ☐ Yes ☒ No Violation # _____

This permit is limited to _____ days.

Work Authorized: Res fire sprinklers

☒ Plans Approved ☐ No Plans Subject to Field Inspection

☐ Post FIRM ☐ Attest Prior Report Available

☐ Pre FIRM ☐ Geotechnical report Available

Planned Clearance: _____

Auto. Fire Sprinklers Req'd: _____

No. of Units: _____

Certificate of Occupancy: _____

Machine Space for Permit Fees: _____

PAYMENT REC'D

DATE: MAR 12 2003

Distribution: White - File Canary - Applicant Pink - Adult Copy Blue - Assessor's Cardstock - Inspector

JOB ADDRESS: 5985 Lone Pine Rd, HES

PERMIT NUMBER: P0005-1002

INSPECTION AREA: 10

131)	SPECIAL INSPECTION REQUIRED	YES	NO	IF YES, SEE ADDITIONAL SHEET
	INSPECTION RECORD	DATE	NAME	REMARKS
101)	ROUGH GRADING			
103)	FOUNDATION			
	FORMS/SETBACK			
	FOOTING			
	WALLS			
106)	UFER GROUND #			
104)	CAISSONS/PIERS			
105)	SLAB			
107)	UNDERGROUND UTILITIES			
110)	MASONRY			
109)	RETAINING WALLS			
113)	FIREPLACE			
	FOOTING			
	HEARTH/PROTECTION			
	THROAT			
114)	CHIMNEY			
120)	UNDERFLOOR/UNDERSLAB			
115)	HYDRONICS			
116)	U/F ELECTRICAL			
117)	U/F MECHANICAL			
118)	U/F PLUMBING			
119)	U/F FRAMING			
139)	U/F INSULATION			
126)	SHEAR WALLS			
	☐ INTERIOR ☐ EXTERIOR			
127)	DIAPHRAGMS			
	☐ ROOF ☐ FLOOR			
134)	SIDING/SHEATHING			
125)	HOLD DOWNS			
132)	CLOSE-IN			
122)	ROUGH ELECTRICAL			
123)	ROUGH MECHANICAL			
124)	ROUGH PLUMBING			
128)	ROUGH FRAME			
160)	SMOKE DETECTORS			
139)	INSULATION			
142)	WALLBOARD			
143)	FIREWALLS			
135)	STUCCO/PLASTER			
	☐ LATH ☐ SCRATCH			
137)	ROOFING			
130)	TUB/SHOWER PAN			
162)	FIRE DAMPERS/DOORS			
164)	SUSPENDED CEILING			
	☐ ROUGH ELEC. ☐ ROUGH MECH.			
165)	EXITING - RAMPS/STAIRS			
163)	HANDRAILS/GUARDRAILS			
	CORRIDORS/DOORS			
166)	ACCESSIBILITY COMPLIANCE			650) SUSMP INSPECTION
144)	WATER TANKS			651) NPDES EROSION COMPLIANCE
	☐ SLAB ☐ WALLS			652) NPDES SEDIMENT COMPLIANCE
170)	TEMPORARY OCCUPANCY			653) NPDES DOCS/SWPPP
171)	TEMPORARY ELECTRICAL			FIRE INSPECTION REQUIRED
172)	TEMPORARY GAS			☒ Yes ☐ No
174)	ELECTRIC METER AUTHORIZATION			759) KNOX BOX
152)	PANEL BOARDS/SERVICE			760) PROPANE TANK HOLD DOWNS
189)	SEPTIC ELECTRIC FINAL			772) SPRINKLER FINAL
175)	GAS METER AUTHORIZATION			771) ABOVEGROUND HYDROSTATIC
153)	GAS PRESSURE TEST			772) UNDERGROUND HYDROSTATIC
	HOUSE YARD			773) UNDERGROUND FLUSH
190)	MANUF. HOME FOUNDATION			774) THRUST BLOCKS
191)	MANUF. HOME INSTALLATION			775) PIPE WELD
	CONTINUITY			776) HYDRANTS/APPLIANCES
	STAIRS/SKIRTS			775) PUMP ACCEPTANCE
	RIDGE BOLTING			776) WATER SUPPLY/TANK
193)	MANUF. HOME COND. FINAL			777) ALARM SYSTEM
	SWIMMING POOLS			780) HOOD & DUCT SYSTEM
194)	PRE-GUNITE			781) ABOVEGROUND TANK/DISPENSER
195)	PRE-DECK			198) FIRE FINAL
196)	PRE-PLASTER/FENCE			CLEARANCES:
197)	VINYL/FIBERGLASS POOL EXCAVATION			FIRE ☐ Local ☐ County
102)	GRADING FINAL			HEALTH DEPARTMENT
176)	ELECTRICAL FINAL			ZONING
177)	MECHANICAL FINAL			SANITATION
178)	PLUMBING FINAL			
199)	FINAL			PLAN RETENTION REQUIRED?
	OCCUPANCY (OK TO OCCUPY)			☐ Yes ☐ No

PERMIT # BUDS-1022