B

Type

Plans

BLD17-2756

Permit Number

22079

Street Number

Gordon Ct

Street Name

JEN

Community Code

109-410-040

APN

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print Your Name: Katriina Abrescy **Date Applied:** 6/14/17

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 22079 Gordon Court | City: Jenner | Zip: ~~95450~~

Cross-Street: | APN: 109 410 040 | Project Phone #: 9258251798 | Project Fax #: ( ) 95450

Directions: | Email address: dvasquez@eagleliftinc.com | Unit # | Lot #

Describe Project: Voluntary Remedial foundation leveling | Living Area | Garage | Decks | Contract Price: 20 K

OWNER NAME AND ADDRESS

Name: Ruth Marshal

Mailing Address: 22079 Gorlatt Ct

City: Jenner | State: CA | Zip: 95450

Day Ph: 4084669825 | Fax: ( )

APPLICANT NAME AND ADDRESS

Name: Katriina Abrescy

Mailing Address: 2430 Sprig Court #D

City: Concord | State: CA | Zip: 94520

Day Ph: 9258251798 | Fax: 9258251802

CONTRACTOR INFORMATION

Company Name: Eagle LIFT

Address: 2430 Sprig Court #D

City: Concord | State: CA | Zip: 94520

Day Ph: 9258251798 | Fax: 9258251802

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name: | Address: | City: | State: | ZIP: | 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 The Hartford Co. Policy No. EAWC 805698

(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: 1-1-18 Applicant: KAbrescy

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 3706 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 Contractors 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 Contractors 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 Contractors License Law.).

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

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following website: http://www.leginfo.ca.gov/calaw.html.

6/14/17 KAbrescy
Date Signature of Property Owner or Authorized Agent

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 A C10 D06 Lic. No. 778157

Exp. Date 5/31/18 Contractor Eagle LIFT

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.

KAbrescy
PERMITTEE SIGNATURE

2430 Sprig Ct #D Concord CA 94520
ADDRESS CITY ZIP

☑ Contractor ☐ Owner ☑ Other Licensed Professional Agent

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, Civ. C.).

Lenders Name _____

Lenders Address _____

FOR DEPARTMENT USE

Zoning RR CC BF 3R File No. _____ Acres 1.14

Existing Use/Structures SFD

Proposed Use/Structures Foundation Repair

Zoning Min. Yard Requirements: Front 30 Left 5 Right 5 Back 20

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: By: _____ Date: _____

Approval for Occupancy: By: G. Hannah Date: 6.14.17

Conditions ~~COASTAL COMMISSION~~ Exemption #7 Repair/maintenance ~~TIMBER CUT~~

Sewer Connection: ☐ Available ☐ Fees Paid
Approved by: _____ Date: _____

Road Encroachment: ☐ Fees Paid
Approved by: _____ Date: _____

Septic System Permit Clearance #
Approved by: _____ Date: 6/14/17

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: Push Piers Retrofit

☒ Plans Approved ☐ No Plans Subject to Field Inspection
☐ Post FIRM ☐ Alquist Priolo Report Available
☐ Pre FIRM ☐ Geotechnical report Available

Plancheck Cleared By	Date	Type of Construction	Occupancy	No. of Stories	No. of Bedrooms
	6-14-17	V-B			

Permit Cleared for Issuance By	Date	Auto. Fire Sprinklers Req'd	No of Units	Certificate of Occupancy
SH	6/14/17			

Machine Space for Permit Fee

PAID $1535.29 JUN 15 2017 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

Distribution: White - File Canary - Applicant Blue -Assessor Cardstock - Inspector

cmuller s:\handouts\css\CIS-007.cdr Revised: 01/29/2009

JOB ADDRESS: 22079 GORDON CT. TM

PERMIT NUMBER: BLD17-2756

INSPECTION AREA: 2

131) SPECIAL INSPECTION REQUIRED ☒ YES ☐ NO IF YES, SEE ADDITIONAL SHEET

INSPECTION RECORD	DATE	NAME
101) ROUGH GRADING		
103) FOUNDATION		
FORMS/SETBACK	8-11-17	RP
FOOTING		
WALLS		
106) UFER GROUND #		
104) CAISSONS/PIERS	8-11-17	RP
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		
144) WATER TANKS		
☐ SLAB ☐ WALLS		
170) TEMPORARY OCCUPANCY		
171) TEMPORARY ELECTRICAL		
172) TEMPORARY GAS		
174) ELECTRIC METER AUTHORIZATION		
152) PANEL BOARDS/SERVICE		
189) SEPTIC ELECTRIC FINAL		
175) GAS METER AUTHORIZATION		
153) GAS PRESSURE TEST		
HOUSE YARD		
190) MANUF. HOME FOUNDATION		
191) MANUF. HOME INSTALLATION		
CONTINUITY		
STAIRS/SKIRTS		
RIDGE BOLTING		
193) MANUF. HOME COND. FINAL		
SWIMMING POOLS		
194) PRE-GUNITE		
195) PRE-DECK		
196) PRE-PLASTER/FENCE		
197) VINYL/FIBERGLASS POOL EXCAVATION		
102) GRADING FINAL		
176) ELECTRICAL FINAL		
177) MECHANICAL FINAL		
178) PLUMBING FINAL		
199) FINAL	9.1.17	JP.
OCCUPANCY (OK TO OCCUPY)		

REMARKS

8-11-17

(103) Foundation lift to support house; House jacks in place. Ready to pour. RP

650) SUSMP INSPECTION		
651) NPDES EROSION COMPLIANCE		
652) NPDES SEDIMENT COMPLIANCE		
653) NPDES DOCS/SWPPP		

FIRE INSPECTION REQUIRED ☐ Yes ☐ No	DATE	NAME
759) KNOX BOX		
760) PROPANE TANK HOLD DOWNS		
770) SPRINKLER FINAL		
771) ABOVEGROUND HYDROSTATIC		
772) UNDERGROUND HYDROSTATIC		
773) UNDERGROUND FLUSH		
774) THRUST BLOCKS		
775) PIPE WELD		
776) HYDRANTS/APPLIANCES		
777) PUMP ACCEPTANCE		
778) WATER SUPPLY/TANK		
779) ALARM SYSTEM		
780) HOOD & DUCT SYSTEM		
781) ABOVEGROUND TANK/DISPENSER		
198) FIRE FINAL		

CLEARANCES:

FIRE ☐ Local ☐ County

HEALTH DEPARTMENT

ZONING

SANITATION

PLAN RETENTION REQUIRED? ☐ Yes ☐ No

PERMIT # BLD17256

sennis CIS-008.cdr Rev. 04/15/04

Approved RP

permit SONOMA

COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403-2829
(707) 565-1900 FAX (707) 565-1103

Application Fees / Invoice # 300436 on 06/14/2017 for: BLD17-2756

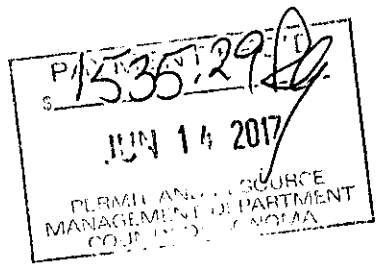
Site Address: 22079 Gordon Ct [TIM]
APN: 109-410-040
Fire District: Timber Cove FPD
Valuation: $20,000.00
Description: FOUNDATION REPAIR - SFD

Activity Type: Building Permit With Plan Check
Initialized By: JTOLBERT
Bldg Insp Area: 02
Ag/Comm/Res: Residential

Owner: MARSHALL RUTH A
1640 ELWOOD DR
LOS GATOS, CA 95032

Applicant: EAGLELIFT INC
10410 TRADEMARK STREET
RANCHO CUCAMONGA, 91730
(909) 980-6222

Fee Item	Description	Account Code	Total Fee
0140-015	Technology Enhancement - Type III	26010104-46040-10005	$48.00
0735-005	NPDES Fees - > $500	26010112-41142-10005	$77.60
0366-000	Building Clearance Office Review	26010113-41053-10005	$104.00
0060-000	Plan Check Fee	26010115-41051-10005	$406.01
0132-000	Building Permit Fees - New Construction	26010115-41051-10005	$646.68
1165-000	Zoning Permit Level I (no notice, including Hosted Rentals)	26010121-45063-10005	$153.00
0145-000	Planning Administration Fee	26010400-45061-11110	$97.00
0050-000	Strong Motion - 1 to 3 Story Residential	80170200-46040-82385	$2.00
0052-000	California Building Standards Admin Fee	80170300-46040-82390	$1.00
		Invoiced Fees:	**$1,535.29**
When validated below, this is your receipt		**Total Paid:**	**$0.00**
		Project Balance Due:	**$1,535.29**



Refunds of fees paid may be made pursuant to Section 108.6 of Appendix 1 of the California Building Code and adopted model codes, subject to the following:
1) 100% of a fee erroneously paid or collected.
2) 90% of the plan review fee when an application for a permit is withdrawn or cancelled or expires or becomes void before any plan review effort has been expended. No portion of the plan review fee shall be refunded when any plan review effort has been expended.
3) 90% of the building, plumbing, electrical, and/or mechanical fee may be refunded when a permit is withdrawn, or cancelled or expires or becomes void before any work was done and before any inspections are performed. No portion of these fees shall be refunded when any work was done and/or any inspections have been performed.
4) Application for refund must be made within one year.

SFA Design Group, LLC
STRUCTURAL | CIVIL | LAND USE PLANNING | SURVEYING
9020 SW Washington Square Dr., Suite 505 - Portland, OR 97223
1813 Rutan Dr., Suite C - Livermore, CA 94551
P: (503) 641-8311 F: (503) 643-7905
www.sfadg.com

Special Inspection
FINAL SUMMARY REPORT

August 18, 2017

City of Jenner – Building Department
ATTN: Special Inspections

RE:	Project Name:	Marshall Residence Underpinning
	SFA Project No.:	EL16-035
	Permit No.:	BLD-17-2756
	Project Address:	22079 Gordon St. Jenner, CA 95450

Dear Building Department:

This letter serves to certify that in accordance with Chapter 17 of State and International Building Code requirements outlined in the General Structural Notes on S1.1 of the approved permit drawings, SFA Design Group, LLC has performed special inspection as detailed below.

Proper installation of (12) EFB-LD push piers has been confirmed, including pier location, installation depth, installation pressure, bracket type, pier type, pier diameter and thickness. The results of observed pier performance load testing after installation were within approved allowances and the field installation logs appear to be in compliance with the intent of our design. Due to field conditions, Pier #2 was not installed. This area was stabilized with deep polyurethane injections. SFA confirmed (6) injections points including location of injection, depth of injection, and volume of polyurethane. Please see the attached field logs dated 08/03/17 and 08/12/17. All observed anchors/injections were installed per the intent of the design generated by this office. Any installation deviations were reviewed and approved by this office with no outstanding non-compliance items.

Our inspection and testing services do not constitute a warranty or guarantee of any type and were provided and intended to help reduce the risk of construction defects, deficiencies or omissions that may arise during and after construction. It is the contractor's responsibility to perform their work in accordance with the approved construction documents. All inspections and tests were performed and reported according to the requirements of the City Building Regulations and these Administrative Rules and, to the best of my knowledge, the work was in conformance with the applicable workmanship provisions of the State Building Code and Standards.

Sincerely,

Keith Caylor
Operations Manager – SFA Design Group

Cc: David Vasquez - EagleLift

Reviewed by: Jeff Fitch, PE, P.Eng - SFA Design Group

*Residential Statement of Special Inspections***

CNI-033R

Name of Owner: Marshall

Address: 22079 Gordon Court, TIM

Permit Number: BLD17-2756

Job Description: Push Pier Foundation Retrofit

This Statement of Special Inspections is submitted to outline the requirements of 2016 CBC Chapter 17. Included are:

- Schedule of special inspections and tests applicable to this project.
  - o Special inspections, per Section 1704 & 1705
  - o Special inspection for seismic resistance, per Sections 1704.3.2, 1705.12, 1705.13
  - o Structural observations, per Section 1704.6
  - o Material testing and/or load testing, per Sections 1706 through 1709
- List of the special inspector, testing agencies, and registered design professionals that will be retained to conduct the applicable tests, observations, and testing required.
- Contractor's statement of responsibility, per Section 1704.4

Special inspections and testing, and structural observations, shall be performed in accordance with the approved plans and specifications, this statement, approved testing procedures, applicable listing information for fabricated items, and CBC Section 17.

The Schedule of Special Inspections summarizes the special inspections and tests required. Special inspectors shall refer to the approved plans and specifications for detailed special inspection requirements. Any additional tests or observations required by the approved plans, specifications, or required by the building official shall also be performed.

Interim reports will be submitted to the building official and the registered design professional in responsible charge, in accordance with CBC Section 1704.2.4.

At the conclusion of work included in the permit, a report of special inspections and structural observations shall be submitted to the building inspector. This final report shall document:

- Required special inspections
- Final results of structural testing
- Correction of discrepancies noted in inspections
- Written statement of structural observations, and identify any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved

This plan has been developed with the understanding that the building official shall:

- Review and approve the qualifications of special inspectors who shall perform inspections
- Review submitted inspection reports
- Perform inspections as required by the locally adopted building codes

Prepared By:

Registered Design Professional in Responsible Charge:

License Number:

Signature:

Date:

BUILDING PLAN CHECK

Building Official Approval:

APPROVED

JUN 14 2017

PERMIT AND RESOURCE DEPARTMENT

Owner's Authorizaton:

Owner:

Signature:

Schedule of Inspections, Testing Agencies, and Inspectors

The following are the testing agencies, registered design professionals, and special inspectors that will be retained to conduct tests, inspections, and structural observations for this project:

Responsibility	Firm	Address, telephone, e-mail
1. Special Inspection (Except for geotechnical)		
2. Material Testing		
3. Geotechnical Inspections		
4. Structural Observations		

Seismic Requirements (Section 1704.3.2):

Identify the designated seismic systems and seismic-force-resisting systems subject to special inspections, per CBC Sections 1705.12. Identify any required testing and qualification for seismic resistance per CBC Section 1705.13.

Summary of Required Special Inspections, Structural Testing, and Structural Observations:

Brief description of required special inspections and structural observations for this project. Full schedule of inspections are those that are checked off on the following pages. Include additional sheets as necessary to identify frequency and extent of structural observations.

Special Inspections:	Structural Observations:
-Pier Installation (Similar to Helical) -Welding	

**This form is for Residential Structures and Accessory U-Occupancies. The inspections listed in this form are intended to represent special inspections most common to residential projects which include: wood frame structures, moment frames, pier and grade beam foundations, and geotechnical engineering. Form CNI-033 which includes all inspections from CBC Chapter 17 should be used for commercial permits and residential permits that include foundations other than shallow footings or pier and grade beams, permits to address code violations, alternate materials/methods, and construction materials other than wood or steel used to resist lateral loads (e.g. concrete and masonry).

Schedule of Special Inspections

Column headers:

C = Full-time observation of work by an approved special inspector while the work is being performed.

P = Intermittent observation of work by an approved special inspector where the work has been performed and at the completion of work.

Box entries:

X = Is placed in the appropriate column denoting either "C" continuous or "P" periodic inspections.

– = Denotes an activity that is either a one-time activity or whose frequency is defined in some other manner.

Notes/Referenced Standards: Indicates the applicable reference standard applicable to the criteria, method and

Additional details regarding inspections and tests are provided in the project specifications or notes on the drawings.

Verification and Inspection	C	P	✓ if Req'd	Notes/Referenced standards
1704.2.5 & 1705.10 -Fabricated Items				
1. Fabrication and implementation	--	--	☐	
2. Fabricator approval and certificate of compliance	--	--	☐	CBC 1704.2.5.1
1704.6 - Structural Observations				
1. Prior to the commencement of observations, the structural observer shall submit to the building official a written statement identifying the frequency and extent of structural observations	--	--	☐	
2. At the conclusion of work included in the permit, the structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies which have not been resolved	--	--	☐	
3. Structural observations for seismic resistance	--	--	☐	CBC 1704.6.1
1705.1.1 – Special Cases:				
1. Construction materials and systems that are alternatives to materials and systems prescribed by the applicable code	--	--	☐	
1705.2 – Steel Construction, Quality Assurance per AISC 360				
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents. Includes structural steel, castings, forgings, fasteners, rods, welding, anchors, braces, stiffeners, member locations, joint details, etc.)		X	☐	AISC 360: Chapter N
2. Identification markings for structural steel materials conform to ASTM standards specified in the approved construction documents (e.g. structural shapes, castings, forgings, bolts, washers, nuts, rods, consumables for welding, anchors, etc.)		X	☐	AISC 360: A3
3. Embedments (Verify diameter, grade, type, length, and depth of embedded item)		X	☐	AISC 360: N5.7
4. Verify compliance with details on the construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection.		X	☐	AISC 360: N5.7

5. **Structural Steel Welding:**				
a. Inspection tasks **Prior** to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1).	Random Basis (O) or Each Joint or Member (P) per applicable table		☑	See form **CNI-033A** Statement of Special Inspections Steel Appendix.
b. Inspection tasks **During** Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2).			☑	
c. Inspection tasks **After** Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3).			☑	
d. Nondestructive Testing (NDT) of welded joints:				AISC 360: N5.5
1) Complete penetration groove welds 5/16" or greater in risk category III or IV.		X	☐	N5.5b
2) Complete penetration groove welds 5/16" or greater in risk category II.		X	☐	N5.5b
3) Thermally cut surfaces of access holes when material t > 2".		X	☐	N5.5c
4) Welded joints subject to fatigue when required by AISC 360, App. 3, Table A-3.1.		X	☐	N5.5d
5) Fabricator's NDT reports when fabricator performs NDT.		X	☐	N5.5g
6. Inspection of High-Strength Bolting				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1).	Random Basis (O) or Each Joint or Member (P) per applicable table.		☐	See N5.6 for exceptions based on installation method. See form **CNI-033A** Statement of Special Inspections Steel Appendix.
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2).			☐	
1) Pre-tensioned and slip-critical joints.			☐	
2) Snug-tight joints			☐	
c. Inspection tasks **After** Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3).			☐	
Table 1705.3 – Concrete Construction				
1. Inspection reinforcement, including prestressing tendons, and verify placement.		X	☐	ACI 318 Ch. 20, 25.2, 25.3, 26.5.1-26.5.3, CBC 1908.4
2. Reinforcing bar welding:				
a. Verify weldability of reinforcing bars other than ASTM A706		X	☐	AWS D1.4, ACI 318: 26.5.4, CBC 1708.3.1
b. Inspect single-pass fillet welds, maximum 5/16"		X	☐	
c. Inspect all other welds	X		☐	
3. Inspect anchors cast in concrete		X	☐	ACI 318: 17.8.2
4. Inspect anchors post-installed in hardened concrete members (see footnote b. Table 1705.3)				
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resists sustained tension loads	X		☐	ACI 318: 17.8.2.4
b. Mechanical anchors and adhesive anchors not defined in 4.a		X	☐	ACI 318: 17.8.2
5. Verify use of required design mix		X	☐	ACI 318: Ch. 19, 26.4.3, 26.4.4, CBC 1904.1, 1904.2, 1908.2, 1908.

6.	Prior to concrete placement, fabricate specimens for strength tests, preform slump and air content tests, and determine the temperature of the concrete.	X		☐	ASTM C172, ASTM C31, ACI 318: 26.4.5, 26.12, CBC 1908.10
7.	Inspect concrete and shotcrete placement for proper application techniques.	X		☐	ACI 318: 26.4.5, CBC 1908.6, 1908.7, 1908.8
8.	Verify maintenance of specified curing temperature and techniques		X	☐	ACI 318: 26.4.7-26.4.9, CBC 1908.9
9.	Inspect prestressed concrete for:				
	a. Application of prestressing forces; and	X		☐	ACI 318: 26.9.2.1
	b. Grouting of bonded prestressing tendons	X		☐	ACI 318: 26.9.2.3
10.	Inspect erection of precast concrete members		X	☐	ACI 318: Ch. 26.8
11.	Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs		X	☐	ACI 318: 26.10.2
12.	Inspect formwork for shape, location, and dimenstions of the concrete member being formed.		X	☐	ACI 318: 26.10.1 (b)
13.	Material tests in absence of sufficient data or documentation	--	--	☐	CBC 1705.3.2
Table 1705.6 – Verification and Inspection of Soils					
1.	Verify materials below shallow foundations are adequate to achieve the design bearing capacity		X	☐	
2.	Verify excavations are extended to proper depth and have reached proper material		X	☐	
3.	Perform classification and testing of compacted fill materials		X	☐	
4.	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	X		☐	
5.	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly	X		☐	
Table 1705.8 – Verification and Inspection of Cast-in-place Deep Foundation Elements					
1.	Inspect drilling operations and maintain complete and accurate records for each element	x		☐	
2.	Verify placement locations and plumbness, confirm element diameters, bell diameters, lengths, embedment into bedrock and adequate end-bearing strata capacity. Record concrete or grout volumes	x		☐	
3.	For concrete elements, perform additional inspections in accordance with Section 1705.3	--	--	☐	

1705.9 – Helical Pile Foundations					
1.	Continuous inspection is required during installation of helical pile foundations. Record installation equipment used, pile dimensions, tip elevations, final depth, final installation torque, and other pertinent data as required. The approved geotechnical report and construction documents shall be used to determine compliance.	X		☑	
1705.12 – Verification and Inspection for Seismic Resistance					
1.	**Structural Steel:**				CBC 1705.12.1, AISC 341: Chapter J Quality Control and Quality Assurance
a.	Seismic force-resisting systems, 1705.12.1.1: Joint Details, Connection Details, Welding, Nondestructive Testing, High-strength bolting, Composite Structures, Piling, Etc.	See form CNI-033A Statement of Special Inspections Steel Appendix		☐	
b.	Structural steel elements, 1705.12.1.2: inspection of steel elements in the seismic force-resisting system not covered in 1705.12.1.1, including struts, collectors, chords, foundation elements, etc.			☐	
2.	**Structural Wood:**				CBC 1705.12.2
a.	Inspection of field gluing operations of elements of the seismic-force resisting system.	X		☐	
b.	Nailing, bolting, fastening, and other fastening of components within the seismic-force-resisting system, where the fastener spacing of the sheathing is 4 inches or less on center.		X	☐	
3.	Cold-formed steel special bolted moment frames		X	☐	
1705.13 –Testing and Qualification for Seismic Resistance					
1.	**Structural Steel:** Nondestructive testing for Seismic force-resisting systems per 1705.13.1.1 and/or Structural steel elements per 1705.13.1.2	See form CNI-033A Statement of Special Inspections Steel Appendix		☐	CBC 1705.13.1, AISC 341

Contractor Responsibility

Per Section 1704.4, each contractor responsible for the construction of a main seismic-force resisting system, designated seismic system or a seismic-resisting component listed in the Statement of Special Inspections shall submit a written statement of responsibility to the building official and the owner **prior to the commencement of work** on the system or component. The contractor's statement of responsibility shall contain acknowledgement of

Each contractor responsible for the construction of the applicable system or component as specified above shall use the following lines to enter their name, signature, company, license number, date, and particular system or component that they are taking responsibility for prior to commencement of work on the indicated system or component. A copy of this page shall be presented to the building official, and it is the contractor's responsibility to also provide the owner a copy of this document.

Name:	
Signature:	
Company:	
License Number:	
Date:	

Statement of Special Inspections: Steel Appendix

CNI-033A

This appendix supplements the Statement of Special Inspections Form when steel inspections are required per:

- CBC 1705.2.1 – Steel Construction in accordance with AISC 360
- CBC 1705.12 – Structural Steel for Verification and Inspection for Seismic Resistance in accordance with AISC 341
- CBC 1705.13 – Structural Steel for Testing and Qualification for Seismic Resistance in accordance with AISC 341

The following tables are reproduced from **AISC 360 Chapter N** and **AISC 341 Chapter J** for Quality Control (QC) and Quality Assurance (QA). Generally, QC governs inspections for shop fabrication and the related field assembly and QA governs primarily site built assemblies. Reference those chapters for additional information. The following inspections are required if applicable to details in the construction documents.

Table Entries:

NR	- Not Required
O	- Observe these items on a random basis. Operations need not be delayed pending these inspections.
P	- Perform these tasks for each welded joint or member. (AISC 360) - These inspections shall be performed prior to the final acceptance of the item. (AISC 341)
D	- Document: The inspector shall prepare reports indicating that the work has been performed in accordance with the contract documents. See reference for specifics.

TABLE N5.4-1 Inspection Tasks Prior to Welding	QC	QA	✓ if Required
Welding procedure specifications (WPSs) available	P	P	☐
Manufacturer certifications for welding consumables available	P	P	☐
Material identification (type/grade)	O	O	☐
Welder identification system[1]	O	O	☐
Fit-up of groove welds (including joint geometry) • Joint Preparation • Dimensions (alignment, root opening, root face, bevel) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location) • Backing type and fit (if applicable)	O	O	☐
Configuration and finish of access holes	O	O	☐
Fit-up of fillet welds • Dimensions (alignment, gaps at root) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location)	O	O	☑
Check welding equipment	O	NR	☐

[1] The fabricator or erector, as applicable, shall maintain a system by which a welder who has welded a joint or member can be identified. Stamps, if used, shall be the low-stress type.

TABLE N5.4-2 Inspection Tasks During to Welding	QC	QA	✓ if Required
Use of qualified welders	O	O	☑
Control and handling of welding consumables • Packaging • Exposure control	O	O	☐
No welding over cracked tack welds	O	O	☐
Environmental conditions • Wind speed within limits • Precipitation and temperature	O	O	☐
WPS followed • Settings on welding equipment • Travel speed • Selected welding materials • Shielding gas type/flow rate • Preheat applied • Interpass temperature maintained (min./max.) • Proper position (F, V, H, OH)	O	O	☑
Welding techniques • Interpass and final cleaning • Each pass within profile limitations • Each pass meets quality requirements	O	O	☑

TABLE N5.4-3 Inspection Tasks After to Welding	QC	QA	✓ if Required
Welds cleaned	P	P	☐
Size, length and location of welds	P	P	☑
Welds meet visual acceptance criteria • Crack prohibition • Weld/base-metal fusion • Crater cross section • Weld profiles • Weld size • Undercut • Porosity	P	P	☑
Arc strikes	P	P	☐
k-area[1]	P	P	☐
Backing removed and weld tabs removed (if required)	P	P	☐
Repair activities	P	P	☐
Document acceptance or rejection of welded joint or member	P	P	☐

[1] When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of the weld.

TABLE N5.6-1 Inspection Tasks Prior to Bolting	QC	QA	✓ if Required
Manufacturer's certifications available for fastener materials	O	P	☐
Fasteners marked in accordance with ASTM requirements	O	O	☐
Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)	O	O	☐
Proper bolting procedure selected for joint detail	O	O	☐
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	O	O	☐
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	P	O	☐
Proper storage provided for bolts, nuts, washers and other fastener components	O	O	☐

TABLE N5.6-2 Inspection Tasks During Bolting	QC	QA	✓ if Required
Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required	O	O	☐
Joint brought to the snug-tight condition prior to the pretensioning operation	O	O	☐
Fastener component not turned by the wrench prevented from rotating	O	O	☐
Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	O	O	☐

TABLE N5.6-3 Inspection Tasks After Bolting	QC	QA	✓ if Required
Document acceptance or rejection of bolted connections	P	P	☐

TABLE N6.1 Inspection of Steel Elements of Composite Construction Prior to Concrete Placement	QC	QA	✓ if Required
Placement and installation of steel deck	O	O	☐
Placement and installation of steel headed stud anchors	O	O	☐
Document acceptance or rejection of steel elements	O	O	☐

TABLE J6-1 Visual Inspection Tasks Prior to Welding	QC		QA		✓ If Required
	Task	Doc.	Task	Doc.	
Material identification (type/grade)	O	NR	O	NR	☑
Welder identification system	O	NR	O	NR	☑
Fit-up of groove welds (including joint geometry) • Joint Preparation • Dimensions (alignment, root opening, root face, bevel) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location) • Backing type and fit (if applicable)	P/O**	NR	O	NR	☑
Configuration and finish of access holes	O	NR	O	NR	☑
Fit-up of fillet welds • Dimensions (alignment, gaps at root) • Cleanliness (condition of steel surfaces) • Tacking (tack weld quality and location)	P/O**	NR	O	NR	☑
** Following performance of this inspection task for ten welds to be made by a given welder, with the welder demonstrating understanding of requirements and possession of skills and tools to verify these items, the Perform designation of this task shall be reduced to Observe, and the welder shall perform this task. Should the inspector determine that the welder has discontinued performance of this task, the task shall be returned to Perform until such time as the Inspector has re-established adequate assurance that the welder will perform the inspection tasks listed.					

TABLE J6-2 Visual Inspection Tasks During Welding	QC		QA		✓ If Required
	Task	Doc.	Task	Doc.	
WPS followed • Settings on welding equipment • Travel speed • Selected welding materials • Shielding gas type/flow rate • Preheat applied • Interpass temperature maintained (min./max.) • Proper position (F, V, H, OH) • Intermix of filler metals avoided unless approved	O	NR	O	NR	☑
Use of qualified welders	O	NR	O	NR	☑
Control and handling of welding consumables • Packaging • Exposure control	O	NR	O	NR	☑
Environmental conditions • Wind speed within limits • Precipitation and temperature	O	NR	O	NR	☑
Welding techniques • Interpass and final cleaning • Each pass within profile limitations • Each pass meets quality requirements	O	NR	O	NR	☐
No welding over cracked tacks	O	NR	O	NR	☐

TABLE J6-3 Visual Inspection Tasks After Welding	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Welds cleaned	O	NR	O	NR	☑
Size, length, and location of welds	P	NR	P	NR	☑
Welds meet visual acceptance criteria • Crack prohibition • Weld/base-metal fusion • Crater cross section • Weld profiles and size • Weld size • Undercut • Porosity	P	D	P	D	☑
Placement of reinforcing or contouring fillet welds (if required)	P	D	P	D	☐
Backing removed, weld tabs removed and finished, and fillet welds added (if required)	P	D	P	D	☐
Repair activities	P	NR	P	D	☐

TABLE J7-1 Inspection Tasks Prior to Bolting	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Proper fasteners selected for the joint detail	O	NR	O	NR	☐
Proper bolting procedure selected for joint detail	O	NR	O	NR	☐
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	O	NR	O	NR	☐
Pre-installation verification testing by installation personnel observed for fastener assemblies and methods used	P	D	O	D	☐
Proper storage provided for bolts, nuts, washers and other fastener components	O	NR	O	NR	☐

TABLE J7-2 Inspection Tasks During Bolting	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Fastener assemblies placed in all holes and washers (if required) are positioned as required	O	NR	O	NR	☐
Joint brought to the snug tight condition prior to the pretensioning operation	O	NR	O	NR	☐
Fastener component not turned by the wrench prevented from rotating	O	NR	O	NR	☐
Bolts are pretensioned progressing systematically from the most rigid point toward the free edges	O	NR	O	NR	☐

TABLE J7-3 Inspection Tasks After Bolting	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Document accepted and rejected connections	P	D	P	D	☐

TABLE J8-1 Other Inspection Tasks	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
RBS requirements, if applicable • Contour and finish • Dimensional tolerances	P	D	P	D	☐
Protected zone—no holes and unapproved attachments made by fabricator or erector, as applicable	P	D	P	D	☐

TABLE J9-1 Inspection of Composite Structures Prior to Concrete Placement	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Material identification of reinforcing steel (Type/Grade)	O	NR	O	NR	☐
Determination of carbon equivalent for reinforcing steel other than ASTM A706	O	NR	O	NR	☐
Proper reinforcing steel size, spacing and orientation	O	NR	O	NR	☐
Reinforcing steel has not been rebent in the field	O	NR	O	NR	☐
Reinforcing steel has been tied and supported as required	O	NR	O	NR	☐
Required reinforcing steel clearances have been provided	O	NR	O	NR	☐
Composite member has required size	O	NR	O	NR	☐

TABLE J9-2 Inspection of Composite Structures During Concrete Placement	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Concrete: Material identification (mix design, compressive strength, maximum large aggregate size, maximum slump)	O	D	O	D	☐
Limits on water added at the truck or pump	O	D	O	D	☐
Proper placement techniques to limit segregation	O	NR	O	NR	☐

TABLE J9-3 Inspection of Composite Structures After Concrete Placement	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Achievement of minimum specified concrete compressive strength at specified age	NR	D	NR	D	☐

TABLE J10-1 Inspection of H-Piles	QC		QA		✓ if Required
	Task	Doc.	Task	Doc.	
Protected zone—no holes and unapproved attachments made by the responsible contractor, as applicable	P	D	P	D	☐

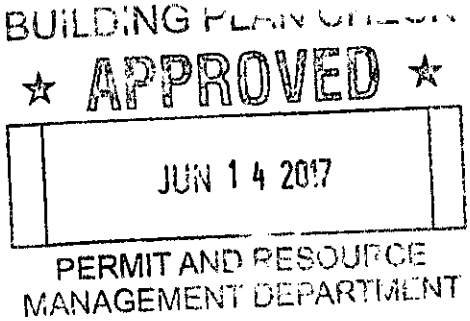
SFA Design Group, LLC
STRUCTURAL | CIVIL | LAND USE PLANNING | SURVEYING
9020 SW Washington Square Dr, Suite 505 - Portland, OR 97223
1813 Rutan Dr, Suite C - Livermore, CA 94551
P: (503) 641-8311 F: (503) 643-7905
www.sfadg.com

STRUCTURAL CALCULATIONS

Marshall Residence Underpinning

22079 Gordon Ct, Jenner, CA 95450

EagleLIFT



LIMITATIONS

ENGINEER WAS RETAINED IN A LIMITED CAPACITY FOR THIS PROJECT. DESIGN IS BASED UPON INFORMATION PROVIDED BY THE CLIENT WHO IS SOLELY RESPONSIBLE FOR ACCURACY OF SAME. NO RESPONSIBILITY AND/OR LIABILITY IS ASSUMED BY, OR IS TO BE ASSIGNED TO THE ENGINEER FOR ITEMS BEYOND THAT SHOWN ON THESE SHEETS.

Project No. EL16-035
November 15, 2016

File
BC017-2756

865 Cotting Lane, Suite A
Vacaville, California 95688
(707) 447-4025, fax 447-4143

8798 Airport Road
Redding, California 96002
(530) 222-0832, fax 222-1611

KC ENGINEERING COMPANY

A SUBSIDIARY OF MATERIALS TESTING, INC.

"CONTRACT FOR TESTING & SPECIAL INSPECTION SERVICES"

By signing in the spaces provided below, the parties agree and contract to the following terms and conditions:

ORDER RECEIVED BY: David V. Cymanski DATE: June 20, 2017

AUTHORIZED BY: Mr. Dave Vasquez PROJECT NO. VV

INVOICE TO: EagleLIFT

10410 Trademark Street

Rancho Cucamonga, CA 91730

Phone: 909-334-0456 (Cell)/ Office: 877-752-2522

Email: dvasquez@eaglelifting.com

DESCRIPTION OF WORK: Provide special inspection services of the distressed Marshall Residence Underpinning, located at 22079 Gordon Court in Jenner, CA. Provide report with drive logs.

TIME FOR PERFORMANCE: As Scheduled

FEES TO BE CHARGED: T&E: Special Inspectors:$90/hr *(4hr min), Mileage: $0.75 p mile; Final Report $300 (Estimated Cost: $1,200-$1,500)

* Fee Schedule, if attached, is incorporated into this contract. [check here if Fee Schedule is attached: _____]

* Unless otherwise stated, fees are the best estimate of MTI-KC ENGINEERING CO. As such, the fees are approximate only and not to be considered a fixed fee or a maximum fee.

TERMS

1. KC ENGINEERING CO. agrees to perform and client agrees to pay for the performance of services as set forth in this agreement.
2. Invoices will be submitted at completion of the work herein, or at approximately 4 week intervals, whichever is earlier, and are due and payable upon presentation.
3. Accounts not paid within 30 days from the date of the billing are subject to a service charge of 18% per annum on the unpaid balance. In the event payment is not made when due and it becomes necessary to commence suit to collect amounts due, Client agrees to pay all interest and principal, plus attorney's fees and court costs as the court may deem reasonable.
4. Client and KCE agree as specifically negotiated to limit the liability, including but not limited to liability for consequential damages, of KCE, including its shareholders, officers, directors, employees, agents and representatives for any acts, errors, omissions, breaches of contract or negligence, on the part of KCE, arising directly or indirectly from the performance of the services under this agreement, to Client to $5,000 or an amount equal to KCE's invoiced fee, whichever is greater.
5. Any cancellation of this Contract by Client must be in writing. Client agrees to pay for work completed up to time notice of cancellation is received by KC ENGINEERING CO.
6. Client acknowledges this agreement supersedes all oral agreements, if any, between the parties, and that this agreement together with any Cost Proposal constitute the entire and only agreement pertaining to the work to be performed hereunder. This agreement can only be modified by an agreement in writing signed by both parties. Additional services are subject to a future written agreement.
7. Client agrees that MTI-KCE is not responsible for obtaining Grading, Building or any other necessary permits. In addition, by signing below, Client agrees to obtain all necessary Grading, Building or other permits prior to our services and provide such documentation for our records.

KC ENGINEERING CO.

BY: David V. Cymanski, G.E. 2585

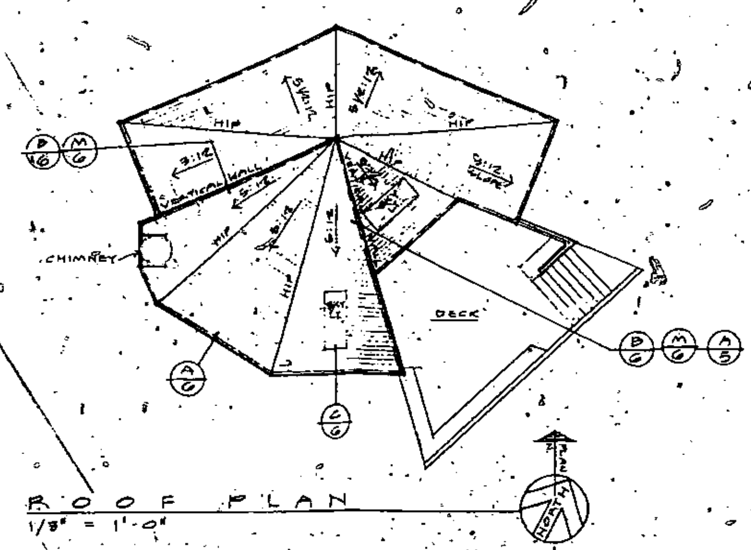
*Over 8 hrs per day & Saturday:
1.5 times hourly Rate (4 hr. minimum)
Sunday: 2 times hourly Rate (4 hr. minimum)

AGREED TO AND ACCEPTED:

FIRM NAME: _____

CLIENT SIGNATURE: Ruth A. Marshall

DATE: 6-29-17



ROOF PLAN
1/8" = 1'-0"

ZONING APPROVAL

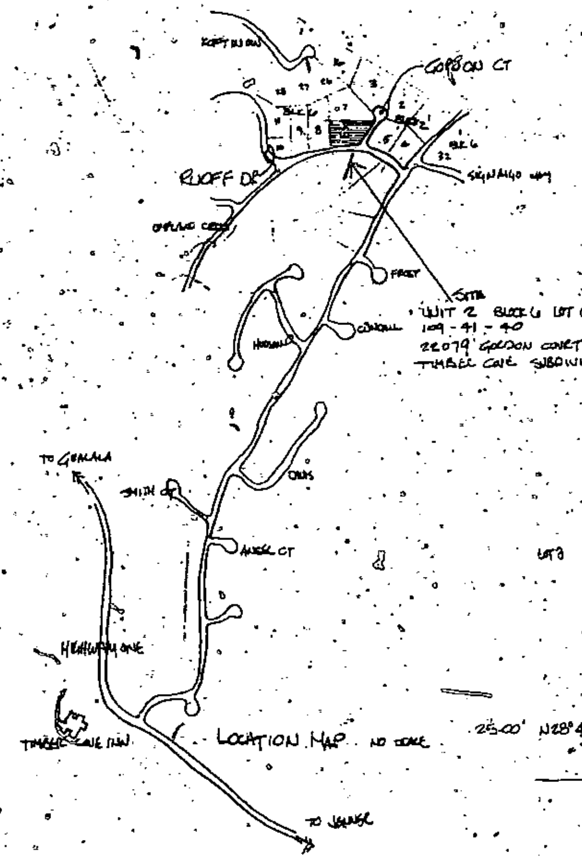
WORK INDICATED ON THESE DRAWINGS IS APPROVED ON THE BASIS THAT ALL WORK WILL COMPLY WITH ALL REQUIREMENTS OF THE COUNTY OF SONOMA, WHETHER SHOWN ON THESE DRAWINGS OR NOT. G. Hassabed 6.14.17

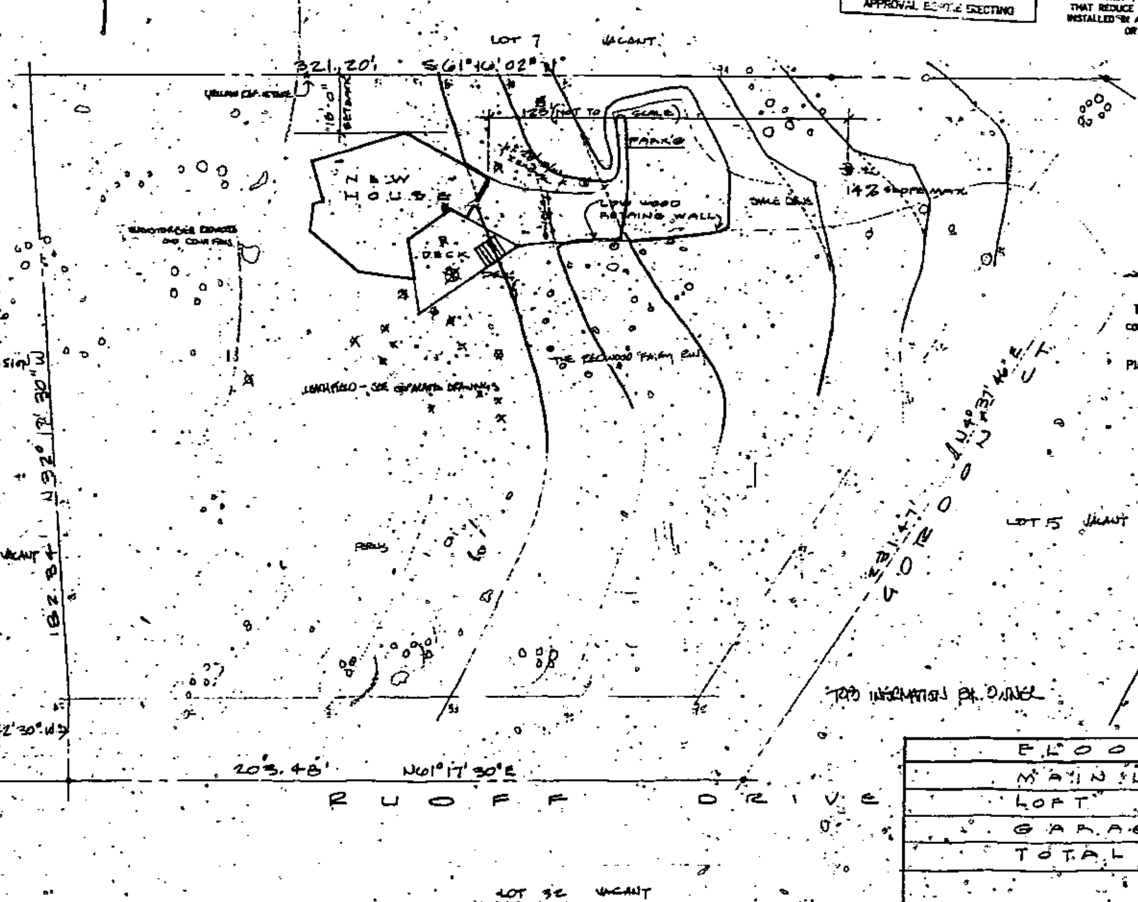
PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT

INDEX OF SHEETS

1 SITE PLAN/ROOF PLAN
2 FLOOR PLAN
3 EXTERIOR ELEVATIONS
4 FOUNDATION/FLOOR FRAMING
ROOF FRAMING PLAN
5 SECTIONS
6 DETAILS
7 SPECIFICATIONS
8 SPECIFICATIONS

SITE PLAN AND ROOF PLAN





SUBMIT "NTC CERTIFICATE OF COMPLIANCE" FOR ALL ... SPECIFIC GUIDELINE REQUIREMENTS FOR THIS JOB

STATE LAW REQUIRES WATER CLOSETS USING LESS THAN 3.5 GAL. PER FLUSH BE INSTALLED, AND COUNTY ORD. ... SHOWER HEADS THAT REDUCE FLOW TO ... OF NORMAL BE INSTALLED IN ANY MOTEL, HOTEL, APARTMENT OR DWELLING HOUSE.

SUBMIT ... & OBTAIN APPROVAL SEPTIC ...

CONTRACTOR SHALL NOT DEVIATE FROM THE APPROVED PLANS. ... CHANGES SHALL BE ... TO THE BUILDING INSPECTION DEPARTMENT. CHANGES MADE WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REJECTION OF THE WORK.

The approval of these plans is subject to complete compliance with code requirements and field inspection.

Please read all items on the attached plan check sheet and pertinent sections of applicable codes.

PLYWOOD NAILING MUST BE INSPECTED BEFORE COVERING

Approved Job Copy Of Plans and Job Cards To be on Job Site.

★ APPROVED ★

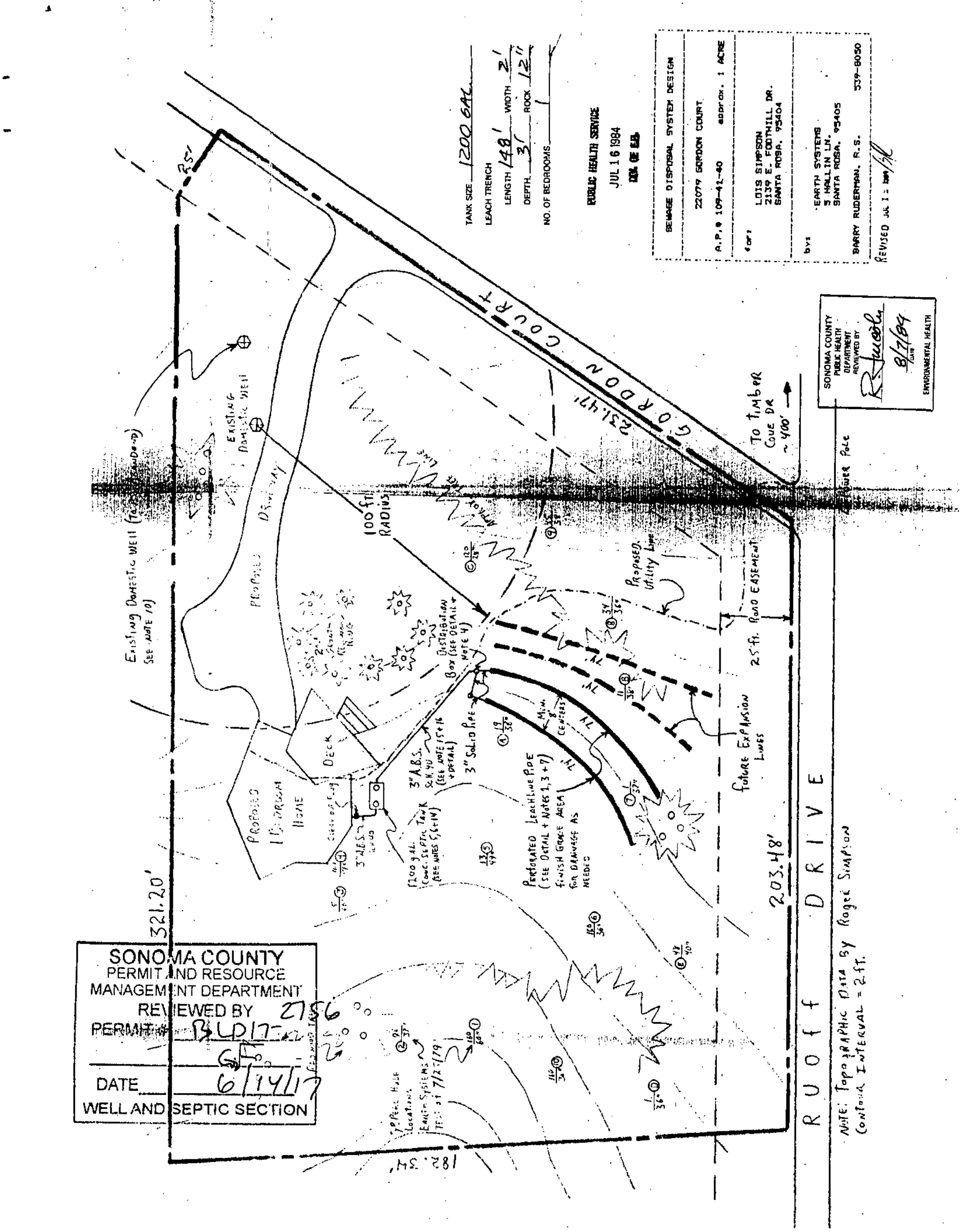
FLOOR AREAS	SQ.FT.
MAIN LEVEL	1050
LOFT	105
GARAGE	222
TOTAL HEATED	1155

THE SHIPSON FAMILY CABIN
UNIT 2, BLOCK 2, LOT 6, 109-410-40
22079 GORDON COURT, TIMBER COVE

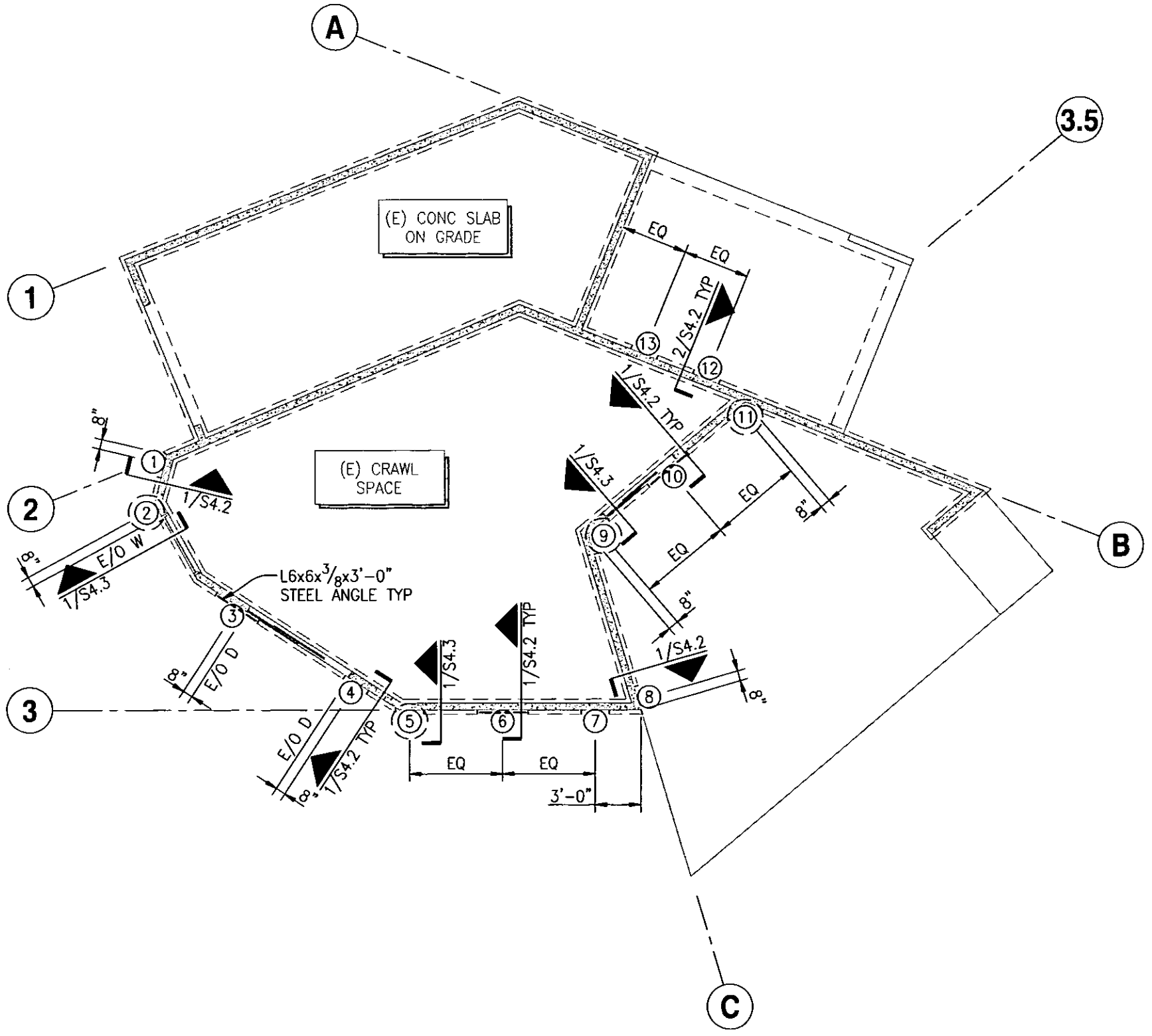
J. CARSON DOOLER
JOHN F. COOK, ARCHITECTS

BUILDING PLAN CHECK
★ APPROVED ★
JUN 14 2017
PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
BCD 17-2756
Fees

24 X


SEWAGE DISPOSAL SYSTEM DESIGN
22079 GORDON COURT
A.P.# 109-41-40
approx. 1 ACRE
for: LOIS SIMPSON
2139 E. FOOTHILL DR.
SANTA ROSA, 95404
by: EARTH SYSTEMS
5 HALLIN LN.
SANTA ROSA, 95405
BARRY RUDERMAN, R.S.
539-8050
TANK SIZE 1200 GAL
LEACH TRENCH
LENGTH 148' WIDTH 2'
DEPTH 3' ROCK 12"
NO. OF BEDROOMS
PUBLIC HEALTH SERVICE
JUL 16 1984
SONOMA COUNTY PUBLIC HEALTH DEPARTMENT REVIEWED BY
8/7/84
ENVIRONMENTAL HEALTH
GORDON COURT
RUOFF DRIVE
231.47'
203.48'
321.20'
182.34'
25'
To timber Cove Dr ~400'
100 ft RADIUS
Existing Domestic Well
Proposed Driveway
Proposed Home
Deck
Distribution Box (See Detail + Note 4)
3" Solid Pipe
1200 gal. Conc. Septic Tank
Perforated Leachline Pipe
Future Expansion Lines
Proposed Utility Line
25 ft. Road Easement
Power Pole
Note: Topographic Data by Roger Simpson
Contour Interval = 2 ft.

SONOMA COUNTY
PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
REVIEWED BY
PERMIT # BLD17-2756
DATE 6/14/17
WELL AND SEPTIC SECTION



(E) FOUNDATION/(N) PIER LAYOUT PLAN

SCALE: 1/8"=1'-0"

N

(E) FOUNDATION/(N) PIER LAYOUT PLAN NOTES:

1. REFERENCE S1.1 FOR GENERAL REQUIREMENTS
2. CONTRACTOR TO NOTIFY ENGINEER OF RECORD OF DISCREPANCIES BETWEEN FIELD CONDITIONS & THOSE SHOWN IN THESE DOCUMENTS PRIOR TO CONSTRUCTION/INSTALLATION OF PIERS TYP
3. INDICATES (E) CONC STEMWALL ON (E) CONC FOOTING (CONTRACTOR TO VERIFY 6"Wx1'-6"DP (E) CONC STEMWALL AND 1'-0"Wx6"DP (E) CONC FOOTING MIN TYP (NOTIFY ENGINEER OF RECORD IF FIELD CONDITIONS DIFFER))
4. INDICATES (E) CONC STEMWALL ON (E) CONC FOOTING (CONTRACTOR TO VERIFY 1'-0"Wx1'-4"DP (E) CONC TURNDOWN FOOTING MIN TYP (NOTIFY ENGINEER OF RECORD IF FIELD CONDITIONS DIFFER))
5. INDICATES (N) CONC BACKFILL PER DETAIL 1/S4.3
6. X/SX.X SECTION CUT – DETAIL NUMBER/SHEET NUMBER
7. E/O W – INDICATES EDGE OF (E) WINDOW ABOVE
8. E/O D – INDICATES EDGE OF (E) DOOR
9. (#) INDICATES LOCATION OF SAFEBASE PUSH PIER W/ SAFEBASE-LD FOUNDATION BRACKET PER DETAILS 1/S4.1

   PUSH PIER INSTALLATION NOTES:
   - MAX LOAD TO ANCHOR = 11479 LBS
   - 2.875"ø PIPE PILE W/ 0.1875" THICK WALL
   - 3.5"øx48" LONG PIPE SLEEVE W/ 0.220" WALL
   - MINIMUM 10'-0" INSTALLATION DEPTH
   - MINIMUM 2400 PSI INSTALLATION PRESSURE
   - MINIMUM 1/4" FOUNDATION LIFT DURING INSTALLATION
10. PIER SPACING SHALL BE AS INDICATED ON PLAN (4'-6" OC MAX)
11. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF (E) FOUNDATION CRACK IS PRESENT IN THE SPAN BETWEEN FOUNDATION BRACKETS
12. ALL CONSTRUCTION MATERIALS ON PLANS, ELEVATIONS & DETAILS ARE (N) UNO

REGISTERED PROFESSIONAL ENGINEER
JEFFREY S. FITCH
C64889
EXP. 6/30/17
CIVIL
STATE OF CALIFORNIA

BUILDING PLAN CHECK
APPROVED
JUN 14 2
PERMIT AND RESOURCE DEPARTMENT

sfa
SFA Design Group, LLC
STRUCTURAL | CIVIL | LAND USE PLANNING
8228 SW Washington Square Dr., Suite 505
Portland, Oregon 97223
1913 Rutan Dr., Unit C
Livermore, California 94551
p: 503.841.8311 www.sfadg.com

EAGLELIFT
SHALL RESIDENCE UNDERPINNING
22079 GORDON CT
JENNER, CA 95450
MARSHALL

(E) FOUNDATION/ (N) PIER LAYOUT PLAN

REVISIONS

PROJECT NO: EL16-035
DESIGNED BY: NS
DRAWN BY: BJR
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