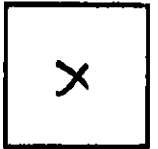




Type



Plans

BUD05 - 2918

Permit Number

14100

Street Number

Bodega Hwy

Street Name

TW1

Community Code

026 - 130 - 016

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:

Nicole Tenenbaum

Date
Applied:

6/8/06

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

Site Address: 14100 Bodega Highway		City: Bodega		ZIP: 94922	
Cross-Street: Valley Road Freestone Rd.		APN: 26-13-16		Project Phone #: 707 953-0464	
Directions: On Highway to Bodega Bay off Hwy 12.		Subd. Name:		Project Fax #:	
Describe Project: Attaching antennas to an existing monopole plus 4 eqmt. cabinets		Living Area:		Contract Price: \$50,000	
Garage:		Decks:			

OWNER NAME AND ADDRESS			APPLICANT NAME AND ADDRESS		
Name: Adeline Blas			Name: Nicole Tenenbaum		
Mailing Address: 14100 Bodega Highway			Mailing Address: 136 14th St. #100		
City: Bodega	State: CA	ZIP: 94922	City: Oakland	State: CA	ZIP: 94612
Day Ph: 707 953-0464	Fax: ()		Day Ph: 415 377-0194	Fax: 510 208-3770	

CONTRACTOR INFORMATION			OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)		
Company Name:			Name:		
Address:			Address:		
City:	State:	ZIP:	City:	State:	ZIP:
Day Ph: ()	Fax: ()		Day Ph: ()	Fax: ()	

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: _____
Policy No.: _____

(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: _____ Applicant: _____

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 3708 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: _____ Lic. No.: _____

Exp. Date: _____ Contractor: _____

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 81 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: _____
ADDRESS: 136 14th St. #100 CITY: Oakland, CA ZIP: 94612

☐ Contractor ☐ Owner ☐ Other Licensed Professional

Final Date: _____ Inspector: _____

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: LEAR 16.0, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8, 16.9, 16.10, 16.11, 16.12, 16.13, 16.14, 16.15, 16.16, 16.17, 16.18, 16.19, 16.20, 16.21, 16.22, 16.23, 16.24, 16.25, 16.26, 16.27, 16.28, 16.29, 16.30, 16.31, 16.32, 16.33, 16.34, 16.35, 16.36, 16.37, 16.38, 16.39, 16.40, 16.41, 16.42, 16.43, 16.44, 16.45, 16.46, 16.47, 16.48, 16.49, 16.50, 16.51, 16.52, 16.53, 16.54, 16.55, 16.56, 16.57, 16.58, 16.59, 16.60, 16.61, 16.62, 16.63, 16.64, 16.65, 16.66, 16.67, 16.68, 16.69, 16.70, 16.71, 16.72, 16.73, 16.74, 16.75, 16.76, 16.77, 16.78, 16.79, 16.80, 16.81, 16.82, 16.83, 16.84, 16.85, 16.86, 16.87, 16.88, 16.89, 16.90, 16.91, 16.92, 16.93, 16.94, 16.95, 16.96, 16.97, 16.98, 16.99, 16.100, 16.101, 16.102, 16.103, 16.104, 16.105, 16.106, 16.107, 16.108, 16.109, 16.110, 16.111, 16.112, 16.113, 16.114, 16.115, 16.116, 16.117, 16.118, 16.119, 16.120, 16.121, 16.122, 16.123, 16.124, 16.125, 16.126, 16.127, 16.128, 16.129, 16.130, 16.131, 16.132, 16.133, 16.134, 16.135, 16.136, 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16.762, 16.763, 16.764, 16.765, 16.766, 16.767, 16.768, 16.769, 16.770, 16.771, 16.772, 16.773, 16.774, 16.775, 16.776, 16.777, 16.778, 16.779, 16.780, 16.781, 16.782, 16.783, 16.784, 16.785, 16.786, 16.787, 16.788, 16.789, 16.790, 16.791, 16.792, 16.793, 16.794, 16.795, 16.796, 16.797, 16.798, 16.799, 16.800, 16.801, 16.802, 16.803, 16.804, 16.805, 16.806, 16.807, 16.808, 16.809, 16.810, 16.811, 16.812, 16.813, 16.814, 16.815, 16.816, 16.817, 16.818, 16.819, 16.820, 16.821, 16.822, 16.823, 16.824, 16.825, 16.826, 16.827, 16.828, 16.829, 16.830, 16.831, 16.832, 16.833, 16.834, 16.835, 16.836, 16.837, 16.838, 16.839, 16.840, 16.841, 16.842, 16.843, 16.844, 16.845, 16.846, 16.847, 16.848, 16.849, 16.850, 16.851, 16.852, 16.853, 16.854, 16.855, 16.856, 16.857, 16.858, 16.859, 16.860, 16.861, 16.862, 16.863, 16.864, 16.865, 16.866, 16.867, 16.868, 16.869, 16.870, 16.871, 16.872, 16.873, 16.874, 16.875, 16.876, 16.877, 16.878, 16.879, 16.880, 16.881, 16.882, 16.883, 16.884, 16.885, 16.886, 16.887, 16.888, 16.889, 16.890, 16.891, 16.892, 16.893, 16.894, 16.895, 16.896, 16.897, 16.898, 16.899, 16.900, 16.901, 16.902, 16.903, 16.904, 16.905, 16.906, 16.907, 16.908, 16.909, 16.910, 16.911, 16.912, 16.913, 16.914, 16.915, 16.916, 16.917, 16.918, 16.919, 16.920, 16.921, 16.922, 16.923, 16.924, 16.925, 16.926, 16.927, 16.928, 16.929, 16.930, 16.931, 16.932, 16.933, 16.934, 16.935, 16.936, 16.937, 16.938, 16.939, 16.940, 16.941, 16.942, 16.943, 16.944, 16.945, 16.946, 16.947, 16.948, 16.949, 16.950, 16.951, 16.952, 16.953, 16.954, 16.955, 16.956, 16.957, 16.958, 16.959, 16.960, 16.961, 16.962, 16.963, 16.964, 16.965, 16.966, 16.967, 16.968, 16.969, 16.970, 16.971, 16.972, 16.973, 16.974, 16.975, 16.976, 16.977, 16.978, 16.979, 16.980, 16.981, 16.982, 16.983, 16.984, 16.985, 16.986, 16.987, 16.988, 16.989, 16.990, 16.991, 16.992, 16.993, 16.994, 16.995, 16.996, 16.997, 16.998, 16.999, 17.000, 17.001, 17.002, 17.003, 17.004, 17.005, 17.006, 17.007, 17.008, 17.009, 17.010, 17.011, 17.012, 17.013, 17.014, 17.015, 17.016, 17.017, 17.018, 17.019, 17.020, 17.021, 17.022, 17.023, 17.024, 17.025, 17.026, 17.027, 17.028, 17.029, 17.030, 17.031, 17.032, 17.033, 17.034, 17.035, 17.036, 17.037, 17.038, 17.039, 17.040, 17.041, 17.042, 17.043, 17.044, 17.045, 17.046, 17.047, 17.048, 17.049, 17.050, 17.051, 17.052, 17.053, 17.054, 17.055, 17.056, 17.057, 17.058, 17.059, 17.060, 17.061, 17.062, 17.063, 17.064, 17.065, 17.066, 17.067, 17.068, 17.069, 17.070, 17.071, 17.072, 17.073, 17.074, 17.075, 17.076, 17.077, 17.078, 17.079, 17.080, 17.081, 17.082, 17.083, 17.084, 17.085, 17.086, 17.087, 17.088, 17.089, 17.090, 17.091, 17.092, 17.093, 17.094, 17.095, 17.096, 17.097, 17.098, 17.099, 17.100, 17.101, 17.102, 17.103, 17.104, 17.105, 17.106, 17.107, 17.108, 17.109

131) SPECIAL INSPECTION REQUIRED		<input type="checkbox"/> YES	<input type="checkbox"/> NO	IF YES, SEE ADDITIONAL SHEET	
INSPECTION RECORD		DATE	NAME	REMARKS	
101)	ROUGH GRADING			* NOTE ONLY 2 CIRCULAR WIRELESS CABINETS (SOUTH SIDE) 2 NORTH CABINETS ARE FUTURE INSTALLATION.	
103)	FOUNDATION				
	FORMS/SETBACK				
	FOOTING	10/28/05	Syl		
	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				
	<input type="checkbox"/> INTERIOR				
	<input type="checkbox"/> EXTERIOR				
127)	DIAPHRAGMS				
	<input type="checkbox"/> ROOF				
	<input type="checkbox"/> 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				
	<input type="checkbox"/> LATH				
	<input type="checkbox"/> SCRATCH				
137)	ROOFING				
130)	TUB/SHOWER PAN				
162)	FIRE DAMPERS/DOORS				
164)	SUSPENDED CEILING				
	<input type="checkbox"/> ROUGH ELEC.				
	<input type="checkbox"/> ROUGH MECH.				
165)	EXITING - RAMPS/STAIRS				
163)	HANDRAILS/GUARDRAILS				
	CORRIDORS/DOORS				
166)	ACCESSIBILITY COMPLIANCE				
144)	WATER TANKS				
	<input type="checkbox"/> SLAB				
	<input type="checkbox"/> 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				
OCCUPANCY (OK TO OCCUPY)					

* NOTE ONLY 2 CIRCULAR WIRELESS CABINETS (SOUTH SIDE) 2 NORTH CABINETS ARE FUTURE INSTALLATION.

10/28/05 Syl

10/28/05 Syl

10/28/05 Syl

INSURANCE - 6-8-05
Please ensure Anderson
are provided with brand
prior to final of day
from 1. See Doug Zimmo.
* contact Planner X 23917

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

FIRE INSPECTION REQUIRED		DATE	NAME
<input type="checkbox"/> Yes	<input type="checkbox"/> No		
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?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No

County of Sonoma
Permit And Resource Management Department
2550 Ventura Avenue, Santa Rosa, CA 95403
Building Inspection Division

CORRECTION NOTICE

Permit # AD052918 Owner PLA

Inspection Code(s) 199

Job Address 14100 BODERA HWY

☐ Other ☐ Foundation ☐ Underfloor ☐ Shear/Roof Nailing ☐ Close-In ☒ Final

I have inspected work under the above permit and have observed the following code violations:

① VERIFY ALL EQUIPMENT GROUNDING PER PLAN.

② INSTALL SIGNS PER PLAN (ALL 4 SIDES OF ENCLOSURE)

③ VERIFY EQUIPMENT NOT INSTALLED IN FUTURE. (NOT ALL EQUIPMENT INSTALLED PER PLAN)

Make corrections before proceeding with other work. When corrections have been made, call 565-3551 or 565-1679 for reinspection.

☐ This Correction Notice must be brought in to PRMD with requested revisions.

Date 1.19.06 Inspector LARRY 707.565-3127

Building/Grading Application Submittal Checklist

CSS-003

14100 Bodega Highway 210-13-16 BLD/GRD Permit # BLD05-2918
Project Address / City APN #
Attaching Antennas to existing monopole NICOLE FENENBAUM
Project Description Applicant / Contact Name
Plan Check Comments / Corrections ☐ Mail to applicant
☒ Call to pick up

This form lists submittal requirements, approvals and development fees that apply to your application as submitted on this date, 6-8-05. Other requirements may be identified during the review process. All requirements must be cleared or approved and fees paid prior to permit issuance.

For Department Use Only - Do not write below this line until directed to sign

Required Plans

- ☒ 4 complete sets of signed and / or stamped plans for building permits
☐ 5 complete sets of signed and / or stamped plans for grading permits
☐ 2 sets of legible site plan and floor plan for Well and Septic approvals

Mandatory Items

- # Received
- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Plot / Site Plan |
| <input checked="" type="checkbox"/> | Floor Plan (electrical, plumbing & mechanical) |
| <input checked="" type="checkbox"/> | Foundation Plan (footing details) |
| <input checked="" type="checkbox"/> | Elevations |
| <input checked="" type="checkbox"/> | Framing Plan |
| <input checked="" type="checkbox"/> | Cross Sections |
| <input checked="" type="checkbox"/> | Structural Details |
| <input checked="" type="checkbox"/> | Signed Drawings (stamped if engineered) |

Other Items Which May be Required

- Required # Received
- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Title 24 Energy Calcs (2 signed, stamped sets) |
| <input checked="" type="checkbox"/> | Engineering Calculations (2 signed, stamped sets) |
| <input checked="" type="checkbox"/> | Hydrology & Hydraulic Calcs (2 signed, stamped sets) |
| <input checked="" type="checkbox"/> | Geotechnical Report (2 signed, stamped sets) |
| <input checked="" type="checkbox"/> | Geotechnical Foundation Approval Letter |
| <input checked="" type="checkbox"/> | Truss Calcs and Layout (2 signed, stamped sets) |
| <input checked="" type="checkbox"/> | Flood Elevation Certificate |
| <input checked="" type="checkbox"/> | Flood Prone Urban Area (drainage review) |
| <input checked="" type="checkbox"/> | Special Inspection Form |
| <input checked="" type="checkbox"/> | Conditions of Planning Approval |

Third Party Plan Check

PRMD Approvals Required for Permit Issuance

- | | | |
|---|---|--|
| 4 | <input type="checkbox"/> Address Verification | <input type="checkbox"/> Road Name Application or Road Map |
| 4 | <input type="checkbox"/> Planning and Zoning | <input checked="" type="checkbox"/> Approved for Issuance <input type="checkbox"/> Approved for Submittal |
| 7 | <input type="checkbox"/> Well and Septic | <input checked="" type="checkbox"/> Approved for Issuance <input type="checkbox"/> Approved for Submittal |
| 6 | <input type="checkbox"/> Road Encroachment | <input checked="" type="checkbox"/> Approved for Issuance <input checked="" type="checkbox"/> Approved for Submittal |
| | <input type="checkbox"/> Sewer / Water | <input type="checkbox"/> Approved for Issuance <input type="checkbox"/> Approved for Submittal |
| 3 | <input type="checkbox"/> Fire Services | <input type="checkbox"/> Approved for Issuance <input checked="" type="checkbox"/> Approved for Submittal |
| | <input type="checkbox"/> Code Enforcement | <input type="checkbox"/> Approved for Issuance <input type="checkbox"/> Approved for Submittal |
| | <input type="checkbox"/> Investigation Fees | <input type="checkbox"/> Penalty Fees |

Other PRMD Approvals Required For Permit Issuance

- 5 ☐ Drainage Review ☒ Project Review - Health

Required Development Fees

- ☒ School Mitigation Fee for _____ sq. ft. ☐ Residential Traffic Mitigation Fee
Payable at: _____ ☐ Commercial Traffic Mitigation Fee
☐ Fire Mitigation Fee ☐ Park Mitigation Fee
Payable at: _____

Other Agency Clearances

These clearances may be required prior to permit issuance:

- Required Received
- | | |
|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> Health Services - Food / Pool |
| <input type="checkbox"/> | <input type="checkbox"/> Emergency Services - Hazardous Materials |
| <input type="checkbox"/> | <input type="checkbox"/> Transport and Public Works |
| <input type="checkbox"/> | <input type="checkbox"/> Water District |
| <input type="checkbox"/> | <input type="checkbox"/> Sewer District |

Air Quality District

- ☐ N. Sonoma County (433-5911)
☐ Bay Area (415-771-6000)

These clearances may be required for your project:

- Contact these agencies directly.
- | |
|---|
| <input type="checkbox"/> CA Regional Water Quality Board North Coast (576-2220) |
| <input type="checkbox"/> CA Regional Water Quality Board San Francisco Bay (510-622-2300) |
| <input type="checkbox"/> Architectural Review / Homeowner's Assoc. |
| <input type="checkbox"/> U.S. Army Corps of Engineers (415-977-8439) |
| <input type="checkbox"/> CA Dept. of Fish & Game (944-5000) |
| <input type="checkbox"/> CA Coastal Commission (415-904-5260) |
| <input type="checkbox"/> Other |

The fees received on this date cover the cost of reviewing your plans prior to permit issuance. All required approvals must be obtained, and additional permit and development fees must be paid, before a building permit can be issued.

Applicant Signature

Staff Signature

Date

Sonoma County Permit and Resource Management Department

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



COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
2550 Ventura Avenue, Santa Rosa, CA 95403
(707) 565-1900 FAX (707) 565-2210

Plan Check Revision & Clearance Notification
This form & redlined plans must be returned with resubmittals

REQK

Project Information:
14100 Bodage Highway
Project address
BLDG5-2918
Building Permit Application # (Plancheck #)

Adeline Plasi
Owner's Name
~~Charles~~ TO PK6
Plan Checker's Name

☒ Pickup ☒ Phone# 415 377-0194 ☐ Mail to: _____
Applicant's Name: Nicole Tenenbaum Address _____
City, St Zip _____

Comments: _____

☐ Continuation sheet attached

PLEASE NOTE!

ALL CHECKED ITEMS MUST BE ADDRESSED OR YOUR RESUBMITTAL WILL NOT BE ACCEPTED.

Residential
☒ 4 complete sets of signed Plans

Commercial
☐ 4 complete sets of signed, stamped Plans

Plans

Redlined plans must be returned with resubmittals

- Rqd. Rcvd.
- ☐ ☐ Plans require correction. Revise original drawings per enclosed check prints. Return 3 revised sets of plans and enclosed check print.
 - ☐ ☐ Plot/Site Plan; Floor Plan (Electrical, Plumbing, Mechanical); Foundation Plan; Elevations; Framing Plan; Cross Sections; Structural Details, Signed (and stamped if "engineered") by designer.
 - ☐ ☐ Title 24 Energy Calculations (2 signed, stamped sets)
 - ☐ ☐ Engineering Calculations with revisions (2 signed, stamped sets)
 - ☐ ☐ Geotechnical Report (2 signed, stamped copies)
 - ☐ ☐ Geotechnical Plan/Foundation Review & Approval Letter
 - ☐ ☐ Truss Calculations & Layout Plan (2 signed, stamped sets) (Architect/Engineer review Required ☐)
 - ☐ ☐ Elevation Certificate (Sections A, B and C completed)
 - ☐ ☐ Grading Permit Required. Submit Separate Application.
 - ☐ ☐ Special Inspections Form, Completed and signed by Engineer or Architect. (Form enclosed ☐)
 - ☐ ☐ Peer Reviewer must review and approve revision prior to resubmittal.
 - ☒ ☐ These are revised plans, approved by planning to relocate equipment.

PLEASE NOTE! Items marked below are required prior to building permit issuance.

- Permit & Resource Management Dept.
- Rqd. Rcvd.
- ☐ ☐ Owner-Builder Form
 - ☐ ☐ Worker's Compensation verification
 - ☐ ☐ Zoning Clearance
 - ☐ ☐ Parcel Map Improvement Conditions
 - ☐ ☐ Grading Permit
 - ☐ ☐ Drainage Review
 - ☐ ☐ Residential Traffic Mitigation Fee
 - ☐ ☐ Commercial Traffic Mitigation Fee
 - ☐ ☐ Park Fee
 - ☐ ☐ Road Encroachment
 - ☐ ☐ Well & Septic
 - ☐ ☐ Sewer
 - ☐ ☐ Code Enforcement
 - ☐ ☐ Investigation Fees (Equal to total of bldg., plmb., elec., mech. fees)
 - ☐ ☐ Penalties (Equal to total of bldg., plmb., elec., mech. fees x _____)

- Dept. Of Health Services
- ☐ ☐ Food Handling
 - ☐ ☐ Hazardous Materials
 - ☐ ☐ Public Pools & Spas
- Special District
- ☐ ☐ Water _____
 - ☐ ☐ Sewer _____
- Fire Marshal
- ☐ ☐ F.S.S. Mitigation Approval Required (Residential)
 - ☐ ☐ Review and Approval Letter (Non-Residential)
- Air Pollution Control District
- ☐ ☐
- School Mitigation Fee
- ☐ ☐
- School District Name _____
- Other
- ☐ ☐ Utility Certificate (City of Santa Rosa)
 - ☐ ☐ Architectural Committee Approval
 - ☐ ☐ Coastal Commission

Grading Permit Questionnaire

BPC-017

Purpose: This form is used to determine if your project requires a grading permit in addition to a building permit. Grading is defined in Appendix Chapter 33 of the 2001 California Building Code (CBC) as "any excavating or filling or combination thereof." Grading can take the form of excavating and/or filling for foundations of structures, driveway construction and modification of topography. No person shall commence any grading without first having obtained a grading permit unless exempt as determined by the Permit and Resource Management Department (PRMD).

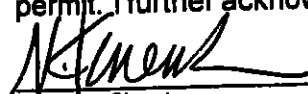
To determine if a project requires a grading permit, please answer the following questions. If you are unable to answer any questions, you should contact your design professional for assistance and/or consult with a PRMD plans examiner.

- ☐ Yes ☒ No ☐ Unknown 1. Does the project include an excavation that (1) is 2 feet or more in depth or (2) creates a cut slope greater than 5 feet in height and steeper than 1 unit vertical in 1 ½ units horizontal that is not an excavation below finished grade for a basement, footing, retaining wall or other structure authorized by a valid building permit?
- ☐ Yes ☒ No ☐ Unknown 2. Does the project include a fill 1 foot or more in depth and placed on natural terrain with a slope steeper than 1 unit vertical in 5 units horizontal?
- ☐ Yes ☒ No ☐ Unknown 3. Does the project include a fill 3 feet or more in depth?
- ☐ Yes ☒ No ☐ Unknown 4. Does the project include a fill that is intended to support structures?
- ☐ Yes ☒ No ☐ Unknown 5. Does the project include a fill that exceeds 50 cubic yards on any one lot?
- ☐ Yes ☒ No ☐ Unknown 6. Does the project include an excavation or fill that alters or obstructs a drainage course?
- ☐ Yes ☒ No ☐ Unknown 7. Does the project include grading more than 5,000 cubic yards? (Soils report mandatory)

ACKNOWLEDGMENT

I, as the applicant, understand that a "YES" answer to any of the above questions means that I will need to apply for a grading permit. If any answers are "UNKNOWN" to me, I should contact my design professional immediately to determine if a grading permit is required.

I acknowledge that I will not be able to obtain a building permit for the site prior to issuance of the grading permit. I further acknowledge that obtaining a grading permit will add additional time to the review process.


Applicant Signature
Nicole Tenenbaum
Applicant Printed Name
210-13-16
Assessor's Parcel Number(s)

6/8/05
Date
4100 Bodiega Highway
Property Address
BLD05-0918
Building Permit (BLD) Number

FOR INTERNAL USE ONLY

Address: Bld 14100 Bodega Hwy P.C.# Bld 05-0702Inspector: JCR Date: 10/12/05

The proposed construction appears to be located in:

Flood Hazard:	<input type="checkbox"/> FIRM Flood Zone (ASFH) BFE = _____ ft. NGVD. Lowest finish floor at 12 above BFE = _____ ft. NGVD. <input type="checkbox"/> Design for moving water is recommended Section _____ is _____ Ft/sec Section _____ is _____ Ft/sec <input type="checkbox"/> Area subject to flooding (not on adopted FIRM). <input type="checkbox"/> Project is on flood zone major damage list. <input type="checkbox"/> Flood Prone Urban Area defined by Ordinance #4906.	<input type="checkbox"/> Portions of property in flood zone but project site not in flood zone. <input type="checkbox"/> Building is in FIRM Floodway <input type="checkbox"/> Main building on site is Post-FIRM <input type="checkbox"/> Sensitive drainage area, review by drainage section recommended. <input type="checkbox"/> Appears to be a "substantial improvement" (40%), therefore flood regulations apply. <input type="checkbox"/> Located inside the <i>Laguna de Santa Rosa</i> below elevation of 75 ft (Ord.#4906).
	<input type="checkbox"/> Area of suspected slides, slumps, earth flow, or soil creep. (a.) <input type="checkbox"/> Area of previous fill placement. (g.) <input type="checkbox"/> Area of suspected expansive soil. (c.) <input type="checkbox"/> Area without sufficient slope setback as set forth in UBC Section 1806. (b.) <input type="checkbox"/> Area subject to possible liquefaction. (e.) <input type="checkbox"/> Area of suspected soft, compressible, or organic soil with low bearing capacity. Soils Investigation:	<input type="checkbox"/> Area without recommended setback from stream (Drainage Division recommendations). <input type="checkbox"/> Area of high moisture content in soil. (f.) <input type="checkbox"/> Area subject to high erosion (water or wind). <input type="checkbox"/> Area of soft soil due to past deep ripping or cultivation below minimum foundation depth. (h.) <input type="checkbox"/> Area within 1000 feet of a solid waste disposal site.
Geo-technical:		Required <input type="checkbox"/> Included <input type="checkbox"/> Available <input type="checkbox"/>
Geologic:	<input type="checkbox"/> Located in the Alquist-Priolo Special Studies Zone.	<input type="checkbox"/> Geologic report required (see CGS Publication 42).
General:	<input type="checkbox"/> Building addition will affect the required light and ventilation in an existing room. <input type="checkbox"/> Existing electric meter must be replaced. <input type="checkbox"/> Existing gas meter must be replaced. Slope is <u>8% to 10%</u>	<input type="checkbox"/> Indications of existing substandard conditions that are not addressed by the proposed construction. <input type="checkbox"/> Indications of past work done without a permit. <input type="checkbox"/> Grading permit required for road, driveway, or site preparation. <input checked="" type="checkbox"/> Site is likely to be acceptable for conventional construction methods.
Wind:	Exposure "B" <input type="checkbox"/> Exposure "C" <input checked="" type="checkbox"/> Exposure "D" <input type="checkbox"/>	N.S.C. Air Pollution Control District <input type="checkbox"/> Yes <input type="checkbox"/> No

① Mono pole is existing. Check permit history & verify if (a) pole was done w/ permit

See Bld 03-0796 for original Mono Pole Antenna.

BUD05 - 2918

OWNER AUTHORIZATION AGREEMENT

RETAIN

Market: California
Site Number: NB012-01
Site Name: Bodega Hwy & Hwy 12
Site Address: 14100 Bodega Highway, Bodega, California 94922

Re: Property described as: 14100 Bodega Highway, Bodega, California, 94922 (the "Property"). Adline A. Blasi, is the owner/representative of the Property (the "Owner") and has the authority to enter into a lease agreement with NEW CINGULAR WIRELESS PCS, LLC a Delaware limited liability company ("Carrier") concerning the portion of the Property that Carrier seeks to occupy.

Owner hereby grants Carrier and its agents a revocable right to enter the Property to perform any reasonable tests that Carrier deems desirable at Carrier's expense to determine the feasibility of constructing and operating its communications facility upon the Property, including but not limited to 1) radio frequency testing; 2) soils testing; 3) environmental audits; 4) boundary surveys; 5) on-site feasibility assessment; and 6) utilities ordering, coordination and installation; and/or 7) filing of zoning applications (the "Access Rights").

Owner may revoke the Access Rights at any time by delivering written notice to Carrier by certified mail, return receipt requested, at the following address:

New Cingular Wireless
4420 Rosewood Drive
Bldg. 2, 3rd Floor
Pleasanton, CA 94588
Attn: Network Deployment Manager

The termination notice will be effective three business (3) days after actual receipt by Carrier, provided, however, that Carrier may still enter the Property to remove any equipment it has placed there.

Carrier agrees to repair any damage to the Property caused by Carrier's use of the Access Rights. Carrier further agrees to indemnify, defend and hold Owner harmless from and against any and all damages, losses and expenses arising out of or resulting from any claim, action or other proceeding that is based upon any negligent act or omission or willful misconduct of Carrier or its employees or agents, arising in connection with the Access Right.

EACH PARTY ACKNOWLEDGES THAT THE OTHER HAS MADE NO REPRESENTATIONS OR COMMITMENTS THAT A LEASE AGREEMENT CONCERNING THE PROPERTY WILL BE ENTERED INTO IN THE FUTURE.

This agreement constitutes the entire understanding between the parties regarding the Access Rights. Any prior understandings, whether oral or written are superseded. This agreement is governed by the laws of the State in which the Property is located.

CARRIER

NEW CINGULAR WIRELESS PCS, LLC,
a Delaware limited liability company

Date: _____, 2005

By: _____
F. Kevin Flaherty

OWNER

ADLINE A. BLASI,

By: Adline A. Blasi

Name: Adline Blasi

Title: _____

Address 400 Pleasant Ave
Santa Rosa, CA

95403
Feb 9, 2005

Call

319-963

Bill Casebeer

Reliable Crane & Rigging

1-800-222-7263

Carl / Diamond Service -

BLDOS-2918 +

707-751-5900

1411 Bodega Hwy

Jackie -

996-6644 -

School fees

P.O. Box 444

El Varano

Ca

95433

maybe R.C. never used
rolled plans.



ICBO Evaluation Service, Inc.

5360 WORKMAN MILL ROAD • WHITTIER, CALIFORNIA 90601-2299

A subsidiary corporation of the International Conference of Building Officials

APPROVED 5/11
OCT 13 2005
ER-3987
REISSUED JULY 7, 1998

EVALUATION REPORT

Copyright © 1998 ICBO Evaluation Service, Inc.

Filing Category: FASTENERS—Concrete and Masonry Anchors (066)

HILTI HSL CARBON STEEL AND STAINLESS STEEL METRIC HEAVY DUTY CONCRETE ANCHORS

HILTI, INC.
5400 SOUTH 122ND EAST AVENUE
TULSA, OKLAHOMA 74146

1.0 SUBJECT

Hilti HSL Carbon Steel and Stainless Steel Metric Heavy Duty Concrete Anchors.

2.0 DESCRIPTION

2.1 HSL Metric:

2.1.1 General: Hilti HSL Carbon Steel and Stainless Steel Metric Heavy Duty Concrete Anchors are Type A (torque-set) anchors. Anchors are available in four styles, three of which are illustrated in Figure 1.

All carbon steel parts have a minimum 5-mil-thick galvanized zinc coating followed by a chromate treatment. Dimensions and installation criteria are set forth in Table 1. Drill bits and hammer drills are supplied by Hilti; drill bits comply with DIN 8035. Allowable shear and tension values are set forth in Tables 2 and 3.

2.1.2 HSL (Bolt): The anchor consists of a stud bolt, steel washer, steel sleeve, collapsible plastic sleeve, steel expansion sleeve and steel cone. This anchor is available in carbon steel only. The material specifications are as follows:

2.1.2.1 Bolt: Carbon steel per DIN 931, Grade 8.8.

2.1.2.2 Washer: Carbon steel per DIN 1544, Grade ST37.

2.1.2.3 Expansion Sleeve: Carbon steel per DIN 2393, Grade ST52-3.

2.1.2.4 Expansion Cone: Carbon steel per DIN 1654, Type CQ35.

2.1.2.5 Collapsible Sleeve: Acetal resin plastic.

The interaction of the bolt with the cone causes the expansion sleeve to expand. A defined tightening torque is produced by the friction among the bolt thread, cone, expansion sleeve, and base material. Torquing increases the expansion force in a controlled manner. When a tensile load acts along the longitudinal axis of the bolt, the cone slides further into the force-controlled expansion anchor. The collapsible sleeve is the only plastic part of the anchor. The washer is strain-hardened steel. To press the component being fastened against the base material, the plastic sleeve shears at the predetermined point and telescopes, thus overcoming gaps between the work surface and the component fastened. Also, ribs in the plastic sleeve prevent the anchor's turning in the hole during setting.

2.1.3 HSLG (Stud): The anchor consists of a steel threaded rod, steel nut, steel washer, steel sleeve, collapsible plastic sleeve, steel expansion sleeve and steel cone. It is available

in both carbon and stainless steel. The material specifications are as follows:

2.1.3.1 Threaded Rod: Carbon steel per DIN 931, Grade T1-8.8, or stainless steel per DIN 267, Type A4-70.

2.1.3.2 Washer: Carbon steel per DIN 1544, Grade ST37, or stainless steel per DIN 17441.

2.1.3.3 Expansion Sleeve: Carbon steel per DIN 2393, Grade ST52-3, or stainless steel per DIN 17440.

2.1.3.4 Expansion Cone: Carbon steel per DIN 1654, Type CQ35, or stainless steel per DIN 17440.

2.1.3.5 Nut: Carbon steel per DIN 934, Grade 8, or stainless steel per DIN 934-Stainless.

2.1.3.6 Collapsible Sleeve: Acetal resin plastic.

The working principle of the HSLG anchor corresponds to that of the HSL metric heavy-duty anchor. To prevent damage to the anchor threads during installation, the M8 and M10 anchor rods have an oversized thread lead-on, while the anchor rods of the M12 through M20 anchors have an impact section. A slot on the impact end of the threaded rod enables it to be removed and adjusted for standoff fastenings.

2.1.4 HSLB (Torque Indicator Bolt): The anchor consists of the same components as the HSL (bolt) with the addition of a torque cap nut. This anchor is available in carbon steel and only in 12 mm (0.47 inch) through 24 mm (0.94 inch) diameters. The torque cap is zinc alloy complying with DIN 1743. A hexagonal nut is fastened to the bolt head by three countersunk rivets. When the anchor is tightened, the torque is transmitted to the cap. When the torque required for correct anchor expansion is attained, the three countersunk rivets shear. A green seal then becomes visible, verifying proper torquing of the anchor.

2.1.5 HSL I M12 (Stud with Torque Indicating Nut): The anchor consists of carbon steel and is available in 12 mm (0.47 inch) diameter only. The components are similar to those of the HSLG with the addition of a torque indicating nut. The torque cap is zinc alloy complying with DIN 1743. The nut is hexagonal with a circular groove machined at the top, resulting in a reduced cross section. A free-spinning circular plastic sleeve covers the nut. As the anchor is tightened, torque is transmitted across the reduced cross section of the nut. When the required torque for anchor expansion is attained, the nut shears at the reduced cross section. The remaining portion of the hexagonal nut remains with the circular plastic sleeve. A slot on the exposed end of the threaded rod allows removal and adjustment for standoff fastenings.

2.2 Installation:

Installation details for the HSL, HSLB, HSL I M12, HSLG-N, and HSLG-12 are described in Tables 1 and 2 and in Figures 2 and 3. Drill bits used to predrill holes are supplied by Hilti, Inc. The HSLG I M12 must be installed with a Hilti HSL-I setting tool.

Evaluation reports of ICBO Evaluation Service, Inc., are issued solely to provide information to Class A members of ICBO, utilizing the code upon which the report is based. Evaluation reports are not to be construed as representing aesthetics or any other attributes not specifically addressed nor as an endorsement or recommendation for use of the subject report.

This report is based upon independent tests or other technical data submitted by the applicant. The ICBO Evaluation Service, Inc., technical staff has reviewed the test results and/or other data, but does not possess test facilities to make an independent verification. There is no warranty by ICBO Evaluation Service, Inc., express or implied, as to any "Finding" or other matter in the report or as to any product covered by the report. This disclaimer includes, but is not limited to, merchantability.

2.3 Design:

Allowable static shear and tension loads are described in Tables 3 and 4. Allowable loads for anchors subjected to combined shear and tension are determined by the following equation:

$$(P_s/P_t)^{5/3} + (V_s/V_t)^{5/3} \leq 1$$

where:

P_s = Applied tension load.

P_t = Allowable tension load.

V_s = Applied shear load.

V_t = Allowable shear load.

The anchors cannot be subjected to vibratory loads such as reciprocating engines, crane loads and moving loads due to vehicles.

2.4 Special Inspection:

Where special inspection is required, compliance with Section 1701.5.2 of the code is necessary. The special inspector must be on the jobsite continuously during anchor installation to verify anchor type, anchor dimensions, concrete type, concrete compressive strength, hole dimensions, anchor spacings, edge distances, slab thickness, anchor embedment, and tightening torque.

2.5 Identification:

The anchors are identified by packaging labeled with the manufacturer's name (Hilti, Inc.) and address, anchor name, anchor size, evaluation report number (ICBO ES ER-3987), and the name of the quality control agency, Underwriters Laboratories, Inc. The anchors have the letters HSL..M and the anchor size embossed on the sleeve.

3.0 EVIDENCE SUBMITTED

Data in accordance with the ICBO ES Acceptance Criteria for Expansion Anchors in Concrete and Masonry Elements (AC01), dated September 1997.

4.0 FINDINGS

That the Hilti HSL metric concrete anchors described in this report comply with the 1997 *Uniform Building Code*[™], subject to the following conditions:

- 4.1 Anchor sizes, dimensions and minimum embedment depths are as set forth in the tables included with this report.
- 4.2 Allowable loads are as set forth in Section 2.3 of this report.
- 4.3 Calculations justifying that applied loads comply with this report must be submitted to the building official for approval.
- 4.4 Anchors are limited to installation in concrete not subjected to tensile stresses exceeding 170 psi (1.2 MPa).
- 4.5 Anchors are limited to nonfire-resistive construction unless appropriate data is submitted to demonstrate anchor performance is maintained in fire-resistive situations.
- 4.6 Special inspection is provided according to Section 2.4 of this report.
- 4.7 Anchors are manufactured by Hilti, Inc., at Plant 12, West Midlands, Great Britain, with quality control inspections by Underwriters Laboratories Inc. (AA-637).
- 4.8 Use of zinc-coated carbon steel anchors is limited to dry, interior locations. Use of stainless steel anchors is permitted in exterior-exposure or damp environments.
- 4.9 Use of anchors in resisting earthquake or wind loads is permitted within the scope of this report, and tabulated values may be increased 33 1/3 percent for short-term loading.
- 4.10 Anchors are not subject to vibratory loads such as those created by reciprocating engines, crane loads, and moving loads due to vehicles.

This report is subject to re-examination in two years.

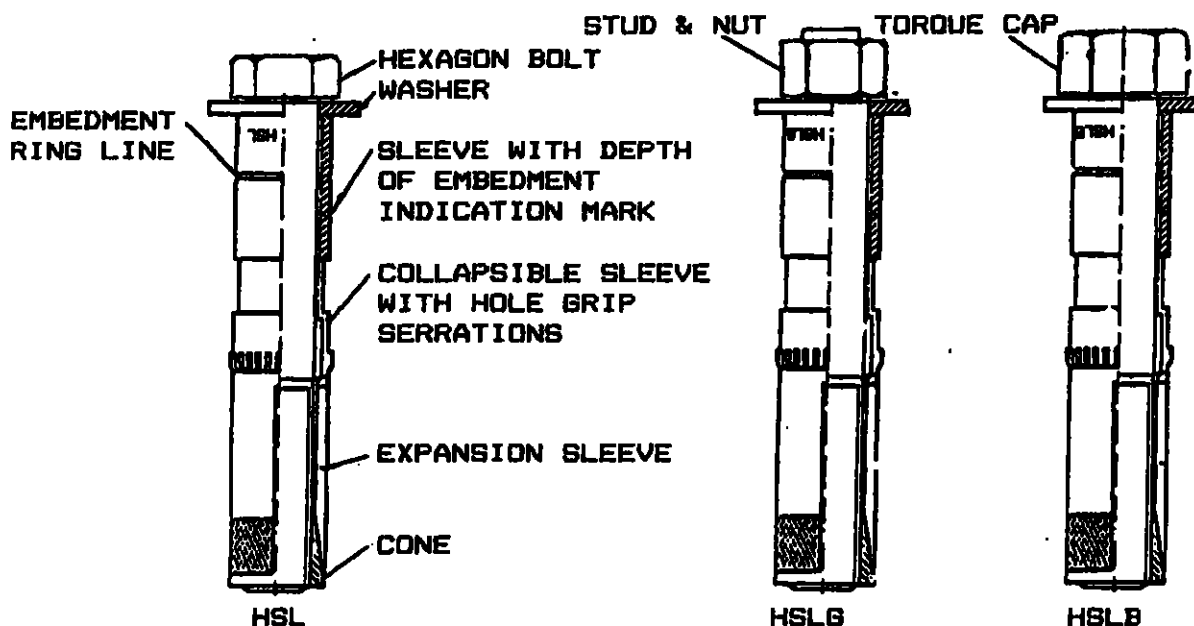


FIGURE 1—HSL METRIC CONCRETE ANCHORS

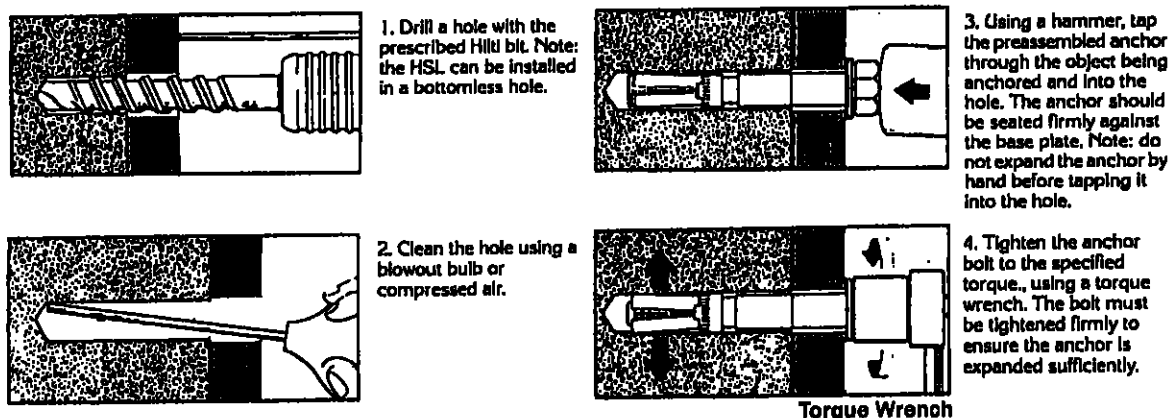


FIGURE 2—HSL INSTALLATION INSTRUCTIONS

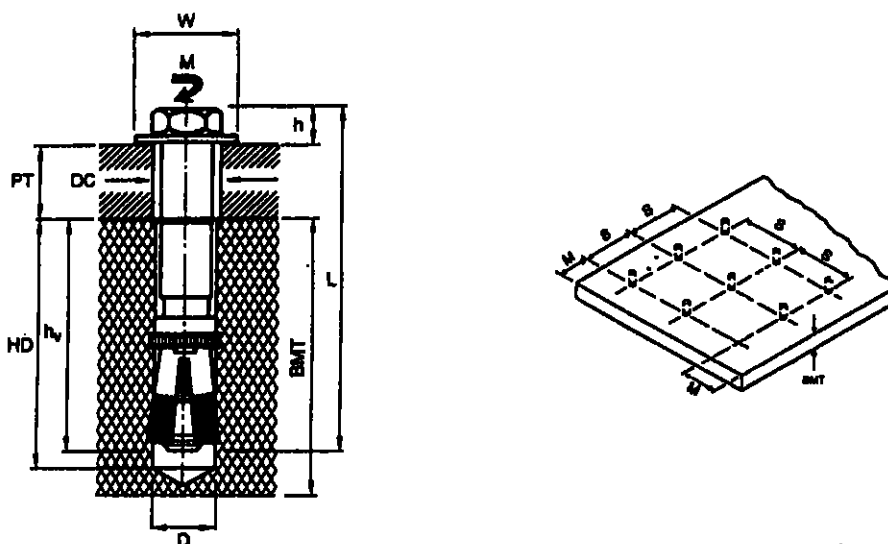


TABLE 1—HSL METRIC DIMENSIONS INSTALLATION CRITERIA, ANCHOR SPACING AND EDGE DISTANCES

TABLE 1-10E MINIMUM DIMENSIONS INSTALLATION CRITERIA, ANCHOR CRACKING AND EDGE DISTANCES																
SETTING DETAILS		ANCHOR SIZE		M8/20	M8/40	M10/20	M10/40	M12/25	M12/50	IM12	M16/25	M16/50	M20/30	M20/60	M24/30	M24/60
D (mm) drill bit diameter				12		15		18			24		28		32	
HD (mm) hole depth				75		85		100			125		150		175	
h _v (mm) minimum depth of embedment				65		75		80			105		130		155	
M _{cr}	Edge distance required to obtain maximum working load (mm)			162		187		200			262		325		387	
M _{min}	Minimum allowable edge distance (mm)			65		75		80			105		130		155	
PT (mm) max. thickness fastened				20	40	20	40	25	50	—	25	50	30	60	30	60
L (mm) anchor length				95	115	107	127	120	145	—	148	173	183	213	205	235
h (mm) head height + washer				7.5		10		11		—	14		17		19	
M (ft.-lbs.)	max. tightening torque			20		40		60		—	150		300		525	
	min. tightening torque			17		34		51			125		255		445	
Max. gap (mm)				4		5		8		—	9		12		16	
Wrench size (mm)		HSL		13		17		19		19	24		30		36	
		HSLB		—		—		24			30		36		41	
DC (mm) clearance hole				14-15		17-18		20-21		—	26-28		31-33		35-37	
W (mm) washer diameter				20		25		30		—	40		45		50	
BMT (mm) minimum base material thickness				120		140		160		—	180		220		270	
Drill bit				TE-C-12/20 TE-F-12/34		TE-C-15/25 TE-F-15/34		TE-C-18/20 TE-F-18/34		—	TE-C-24/25 TE-F-24/32		TE-F-28/37		TE-F-32/37	

(Continued)

TABLE 1—HSL METRIC DIMENSIONS INSTALLATION CRITERIA, ANCHOR SPACING AND EDGE DISTANCES—(Continued)

SETTING DETAILS	ANCHOR SIZE	M8/20	M8/40	M10/20	M10/40	M12/25	M12/50	M12	M16/25	M16/50	M20/30	M20/50	M24/30	M24/50
Hammer drill		TE10, TE12S TE22, TE52, TE72		TE10, TE12S TE22, TE52 TE72		TE10, TE12S TE22, TE52 TE72, TE92		—	TE22, TE52 TE72, TE92		TE52, TE72 TE92		TE52, TE72 TE92	

For SI: 1 ft-lb = 1.36 N·m.

For pound-inch units: 1 mm = 0.039 inch.

TABLE 2

CARBON STEEL HSL
EDGE DISTANCE AND ANCHOR SPACING GUIDELINES

Notes:

1. When using S_{min} and the load is a tensile load, reduce the working load by 30%.2. When using S_{min} and the load is a shear load, reduce the working load by 30%.3. When using m_{min} and the load is a tensile load, reduce the working load by 30%.4. When using m_{min} and the load is a shear load, reduce the load by 70%.

maximum working load (mm)	195	225	240	315	390	465
S_{min} = Minimum allowable spacing between anchors (mm)	1.0 x h_v 65	1.0 x h_v 75	1.0 x h_v 80	1.0 x h_v 105	1.0 x h_v 130	1.0 x h_v 155
m_{min} = Edge distance required for maximum working load (mm)	2.5 x h_v 162.5	2.5 x h_v 187.5	2.5 x h_v 200	2.5 x h_v 262.5	2.5 x h_v 325	2.5 x h_v 387.5
m_{min} = Minimum allowable edge distance (mm)	h_v 65	h_v 75	h_v 80	h_v 105	h_v 130	h_v 155

9/

TABLE 3
CARBON STEEL HSL METRIC—ALLOWABLE TENSION AND SHEAR LOAD VALUES (lb)^{1,2}
NORMAL WEIGHT CONCRETE

ANCHOR	EMBEDMENT DEPTH (mm)	f'c = 2,000 psi			f'c = 4,000 psi			f'c = 6,000 psi		
		TENSION		SHEAR	TENSION		SHEAR	TENSION		SHEAR
		SP. INSP. ³	UNINSP.		SP. INSP. ³	UNINSP.		SP. INSP. ³	UNINSP.	
HSL M8	65	1310	655	1780	1730	865	1065	1730	865	2125
HSL M10	75	1710	855	2620	2475	1240	2835	2785	1390	2935
HSL M12	80	2295	1145	4085	2905	1450	4415	3655	1925	4415
HSL 1 M12	80	2295	1145	2225	2905	1450	2225	3655	1925	2505
HSL M16	105	3905	1950	6175	5040	2530	7940	6630	3315	8090
HSL M20	130	5415	2710	7240	7780	3890	12220	8905	4455	12220
HSL M24	155	6550	3275	14255	10170	5085	—	10455	5255	18480

For SI: 1 lb-ft = 4.45 N, 1 psi = 6.89 kPa.

For pound-inch units: 1 mm = 0.039 inch.

¹The tabulated tension and shear loads apply to anchors complying with this evaluation report and installed in normal-weight concrete having the prerequisite concrete compressive strength at the time of anchor installation.

²Installation requirements are noted in Section 2.2.

³Tension loads apply when anchors are installed with special inspection as set forth in Section 2.3.

6/1

TABLE 4
STAINLESS STEEL HSL METRIC—ALLOWABLE TENSION AND SHEAR LOAD VALUES (lb)^{1,2}
NORMAL WEIGHT CONCRETE

ANCHOR	EMBEDMENT DEPTH (mm)	$f'_c = 2,000 \text{ psi}$			$f'_c = 4,000 \text{ psi}$			$f'_c = 6,000 \text{ psi}$		
		TENSION		SHEAR	TENSION		SHEAR	TENSION		SHEAR
		SP. INSP. ³	UNINSP. ³		SP. INSP. ³	UNINSP. ³		SP. INSP. ³	UNINSP. ³	
HSLG-R M8	65	1110	555	1790	1485	745	—	1485	745	2245
HSLG-R M10	75	1380	690	2780	2315	1160	—	2355	1175	—
HSLG-R M12	80	1760	880	4085	2795	1395	—	3535	1765	5055
HSLG-R M16	105	3570	1785	7020	4900	2450	—	6205	3105	—
HSLG-R M20	130	5085	2540	10705	7355	3680	—	9005	4500	13035

For footnotes, see Table 3.

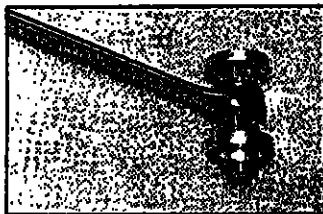


INSTALLATION INSTRUCTIONS FOR

HSL-I M12

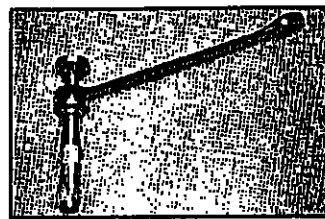
**HSL-I M12 INTERNALLY THREADED ANCHOR (ITEM #002171742)
INSTALL ONLY WITH HILTI HSL-I SETTING TOOL (ITEM #002171767)**

1.



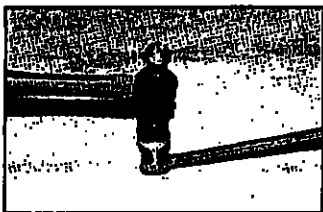
Remove threaded bushing from setting tool and reassemble with box end of wrench on setting tool. *Always ensure that 4-6 threads are projecting below the bushing as shown.*

2.



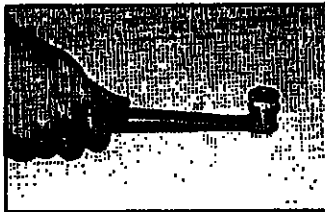
Thread the assembled setting tool into the anchor by turning the anchor clockwise onto the tool, until the bushing contacts the top of the anchor sleeve. Do not overtighten.

3.



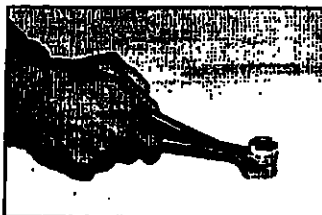
Drill an 18mm hole, at least 100mm (4") into the concrete. Clean the hole thoroughly using compressed air. Tap the anchor/setting tool combination into the hole until the flange on the setting tool firmly contacts the concrete surface.

4.



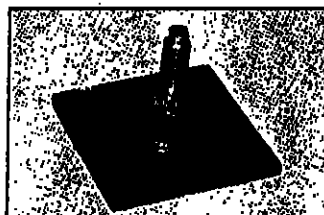
Tighten the bottom nut on the setting tool as shown by turning clockwise, until snug. Do not overtighten.

5.



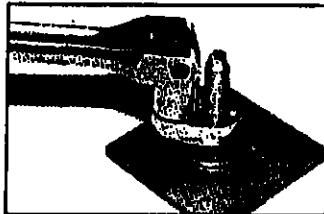
Slide the box wrench to the top nut of the setting tool. Release the setting tool from the anchor by holding the bottom nut with a 18mm wrench, and turning the top nut counter-clockwise until the setting tool releases. Back the setting tool out of the anchor.

6.



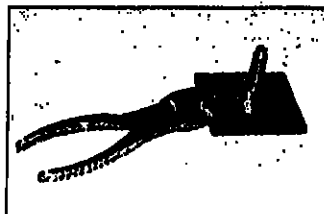
Slide the fixture or equipment into place, to align with the installed anchor. *Do not allow dirt or debris to fall into anchor.* Thread the slotted rod, with torque nut and washer, into the anchor until it bottoms out, always ensuring that at least 5 threads engage in the installed anchor. Thread the torque nut down until firm contact is established.

7.



Use a flare nut wrench or box wrench only to turn the exposed top portion of the torque nut clockwise - *do not use an open ended wrench*, which may distort the torque nut and affect the setting torque. Use a breaker bar or other device capable of safely generating 60 ft.-lbs. of torque. Use of an improperly sized wrench may cause injury.

8.



Continue torquing until the exposed top portion of the torque nut shears off, leaving only the bottom portion with red plastic cover. Red plastic cover can be broken off with pliers if access to the bottom nut is required.

Installation of the HSL-I M12 anchor without the specified setting tool may result in reduced anchor performance



N-9482

FIGURE 3



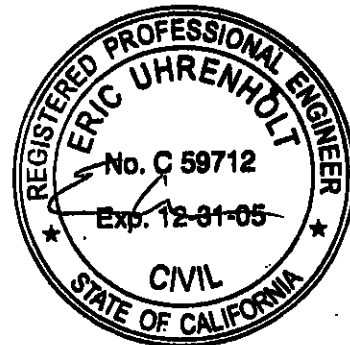
**Diamond
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**STRUCTURAL CALCULATIONS FOR
CINGULAR WIRELESS SITE NB-012-01
BLASI PROPERTY
14100 BODEGA HWY
BODEGA BAY, CA**

**FOR
CINGULAR WIRELESS
4420 Rosewood Drive
Bldg. 2, Third Floor
PLEASANTON, CA**



**DS# C40005004
NB-012-01**

**May 11, 2005
BENICIA, CALIFORNIA**



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Sheet: 1 of 11

Date: 5/11/2005

Job #: NB-012-01

BY = AV

DESIGN CRITERIA

Code: Uniform Building Code 1997

Wind Exposure =

C

Basic Wind Speed =

80

mph.

Seismic Zone: 4 ,

I = 1

Materials (unless noted otherwise)

Reinf. Steel ASTM A615, Grade 60 UNO, Grade 40 #4 and smaller and all CMU Walls.

Structural Steel & Misc Metals:

Shapes & Plates..... ASTM A-36

HSS..... ASTM A-500 Grade B



STRUCTURAL CALCULATIONS

Seismic Load Calculations for new Cingular Wireless Antenna:

Dead load of Antenna = 50 lbs

$Z = 0.4$

Soil Type = S_d

$F_p = 4 C_a I_p W_p$

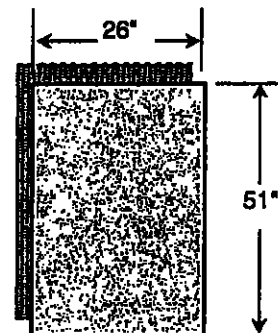
$C_a = 0.44 N_s$

$N_s = 1.3$

$F_p = 114.4$ lbs.

Therefore,

$F_s = 81.7$ lbs.



Wind Load Calculations for new Cingular Wireless Antenna:

$P = C_e \cdot C_q \cdot q_s \cdot I_w$

$C_e = 1.43$

$C_q = 1.4$

$q_s = 16.4$ psf

Therefore,

$P = 32.8$ psf

Wind exposed area = 4.6 ft²

Hence Wind Load = 151 lbs

← GOVERNS

Hence wind load governs.

Assuming 75% of antenna area exposed to wind = 113 lbs

Wind Load for additional four antennas = 453 lbs

Moment due to Antenna Load = $P_{\text{total}} \times \text{Horizontal distance above ground}$

= 453 lbs. x 52.875 ft x 12 in.

= 287 kip. in.

Moment carrying capacity of existing pole:

(Diameter of pole is 20")

$S_{xx} = 120.1$ in³

Allowable Bending Stress for pole = $0.66 \cdot F_y \cdot 1.33$

= 31.6 ksi

Hence, Moment carrying capacity of existing pole = 3795 kip. in.

Hence, ratio of $M_{\text{wind}} / M_{\text{pole}}$ is given by = 0.07

Since the (N) antenna load on existing pole is very small (7% of pole design value), the existing pole is structurally qualified.



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Date: 5/11/2005

Job #: NB-012-01

BY: AV

EQUIPMENT ANCHORAGE TO CONCRETE SLAB

Seismic Forces: 97 UBC Section 1632

$$Z = 0.4$$

$$I_p = 1.0$$

$$h_x = 0.30 \text{ ft.}$$

$$N_s = 1.3$$

$$h_r = 0.30 \text{ ft.}$$

$$\text{Table 16-Q} = 0.44$$

$$\text{Table 16-O: } a_p = 2.5$$

$$R_p = 3.0$$

$$W_p = 1700 \text{ lbs}$$

Cabinet Dimensions;

$$\text{Width (ft.)} = 2.33$$

$$\text{Height (ft.)} = 5.50$$

$$\text{UBC Sec. 1632.2: } C_s = (N_s)(\text{Table 16-Q}) = 0.57$$

$$\text{Eqn. 32-2: } F_p = \frac{[(a_p)(C_s)(I_p)](1 + 3h_x/h_r)}{R_p} \times W_p = 1.91$$

Eqn. 32-3:

$$\text{Lower Boundary } 0.7(C_s)(I_p)W_p = 0.4$$

$$\text{Therefore } F_p = 1.91 \quad W_p$$

$$\text{Upper Boundary } 4.0(C_s)(I_p)W_p = 2.3$$

$$\text{Therefore } F_p = 1.91 \quad W_p$$

$$F_t = F_p/1.4 = 1.91 \quad W_p/1.4 = 2315 \text{ lbs} = 2.3 \text{ kips}$$

$$\text{O.T.M.} = (F_t)(H_r/2) = 6.4 \text{ kip-ft.}$$

$$\text{R.M.} = (W/2)(0.9 \times W_p) = 1.8 \text{ kip-ft.}$$

$$\text{R.M./O.T.} = 0.28 < 1.5 \text{ N.G., Ck Conn}$$

$$R_s = (\text{OTM-RM})/\text{Width} = 2.0 \text{ kips}$$

$$t, \text{ per Anchor} = R_s/2 = 0.98 \text{ kips}$$

$$v, \text{ per anchor} = F_p/4 = 0.58 \text{ kips}$$

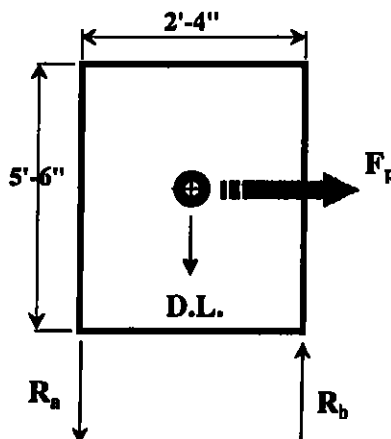
Use HILTI HSL-I M12

Embed = 4" (min)

$$T, \text{ allow} = 1.145 \text{ kips}$$

$$V, \text{ allow} = 2.22 \text{ kips}$$

$$(t/T)^{5/3} + (v/V)^{5/3} = 0.88 \quad \text{O.K.}$$



NO special inspection



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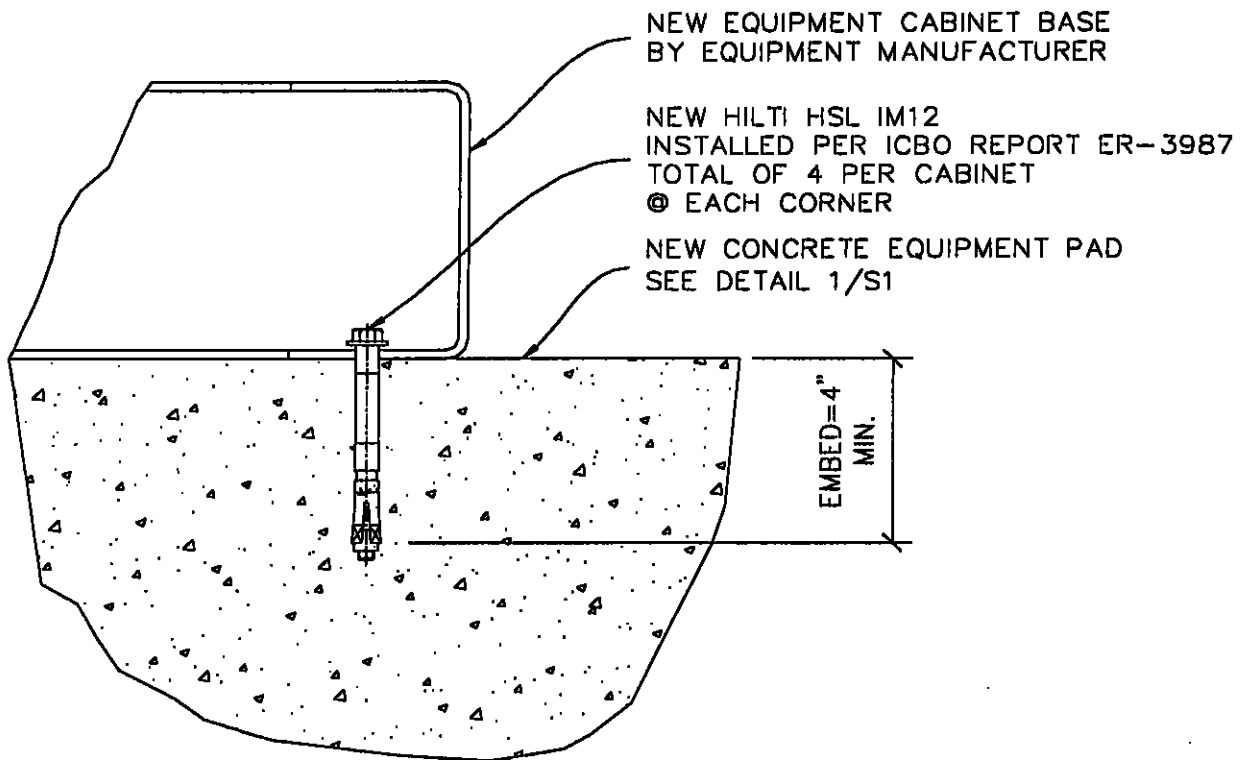
Sheet: 4 of 11

Date: 5/11/2005

Job #: NB-012-01

BY: AV

BTS EQUIPMENT ATTACHMENT



★ **APPROVED** ★

OCT 13 2005

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT