

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0003233
Insp Area: 1

Site Address: 8485 LAKE FOREST DR SAC
Parcel No: 007-8042-003 OKI PARK

Sub-Type: ACOM
Housing (Y/N): N

CONTRACTOR
DITTA ELECTRIC
3261 HILZGERALD ROAD
RANCHO CORDOVA 95742

OWNER
CITY OF SAC

ARCHITECT

Nature of Work: ADD/ALT ANTENNAS AND COMM EQUIP

CONSTRUCTION LENDING AGENCY: 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).

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS 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.

License Class B License Number 434215 Date 8/18/00 Contractor Signature Richard Hughes

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors 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 Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 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 (\$500.00):

I, as a 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 Professional 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/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/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 & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the above-mentioned property for inspection purposes.

Date 8/18/00 Applicant/Agent Signature Richard Hughes

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 workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

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

Carrier EXPLORER INSURANCE CO. Policy Number WSA1699145-00 Exp Date 10/01/2000

(This section need not be completed if the permit is for \$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 trade so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 8/18/00 Applicant/Agent Signature Richard Hughes

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 FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

APPLICATION FOR COMMERCIAL BUILDING PERMIT

CITY OF SACRAMENTO
DEVELOPMENT SERVICES DIVISION
PERMIT SERVICES SECTION
 1231 I Street, Rm. 200
 Sacramento, CA

Insp. Area _____

ACTIVITY # 0003233

ADDRESS 8485 LAKEFOREST DR Suite _____
 PARCEL # 078-042-003 078-042002+3

Applicant MUST complete ALL Unshaded areas

CONTACT
 Name BRYAN SATLER
 Street Address 255 PARKSHORE DR.
 City/State/Zip Folsom CA 95630
 Phone 916-761-4801 FAX _____
 E-mail: _____

LICENSED CONTRACTOR Lic No. # _____
 Name _____
 Address _____
 City/State/Zip _____
 Phone _____ FAX _____
 E-mail: _____

ARCHITECT/ENGINEER
 Name BRYAN BONNO-LAUNENOUR + MEIKLE
 Address 608 COURT ST
 City/State/Zip WOODLAND CA
 Phone 530-662-1755 FAX _____
 E-mail: _____

OWNER
 Name AIRTOUCH CELLULAR
 Address 255 PARKSHORE DR
 City/State/Zip Folsom CA 95630
 Phone 916-761-4801 FAX _____
 E-mail: _____

→ Will permittee have any employees on the jobsite? No Yes → INSURANCE CO: _____ EXPIRATION DATE: _____
 → WORKER'S COMPENSATION POLICY # _____

NATURE OF WORK IN DETAIL: ADD ANTENNAS AND TELECOMMUNICATIONS EQUIPMENT TO AN EXISTING SITE IN THE PARK

VALUATION: \$ _____

OCCUPANT/TENANT: _____

FLOOD STATUS:			S.C.A.T.										
			BLDG	SHELL	APT	TI ()	REM ()	SW	FIRE	ADD	OTH		
JOB DESCRIPTION			BLDG	MECH	PLUMB	ELEC	SITE	FIRE					
INSPECTION DISCIPLINES			BLDG	MECH	PLUMB	ELEC	SITE	FIRE					
# Stories	1st flr Area	Total Area	Use Zone	Occp Group	Const type	Fire Req. Y/N		Fed Code	Vio. File				
						SPR	ALARM		[H]	[Quad]			
B	L	P	M	E	F	S		D	PW	UTIL			

COMMENTS: DAVE Hay to review ADDRESS + Parcel

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No

WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS? Provided Faxed

FALLON ENGINEERING

REVISED
STRUCTURAL CALCULATIONS
FOR

AIRTOUCH CELLULAR

GLENBROOK TOWER EXTENSION

CITY OF SACRAMENTO
PERMIT ASSISTANCE

AUG 07 2000

RECEIVED

DATE 8-2-00

SHEETS 1-3/3



11899 EDGEWOOD ROAD SUITE P
AUBURN, CALIFORNIA 95603
(530)-885-3760

STP CALCS
FOR
AIR TOUCH.
OKI - GLENBROOK
1 LAKE FOREST DRIVE.

1/3

REVISED CALCS.

WIND - 80 MPH
EXP C.

WIND FORCES:

$$P = C_e C_g q_s I$$

$$0-20' \quad P = (1.13)(1.3)(16.4)(1.0) = 24 \text{ PSF}$$

$$20-40' \quad P = (1.31)(1.3)(16.4)(1.0) = 28 \text{ PSF}$$

$$40-60' \quad P = (1.43)(1.3)(16.4)(1.0) = 30 \text{ PSF}$$

LOADING

1. 1200 # AIR RAID SIREN. C. 54'
2. (3) 1' x 8' AIR TOUCH. C 40'
3. (2) 1' x 3' ATT. ANT C 52' ±

USE AVE DIAMETER. 18"
USE: 28 PSF. AVERAGE LOADING.

$$W_1 = (1.5)(28) = 42 \text{ psf}$$

$$P_4 = (8)(30)(54) = 12960$$

(SIRENS)

$$M_1 = \frac{(42)(52)^2}{2} = 56784 \text{ #}'$$

(POLE)

$$P_2 = (2)(1)(3)(52)(30) = 9360 \text{ #}'$$

(ATT.)

$$P_3 = (2)(8)(40)(30) = 19200 \text{ #}'$$

(AIR TOUCH)

$$M_T = 56784 + 9360 + 19200 + 129600 = 205344 \text{ #}'$$

PILE CAP CENT.

Prop $M = 98304 \text{ #}'$

$M_{\text{IN-K}} = 98304(12)/1000 = 1179.65 \text{ IN-KIP}$

ALLOWABLE PER VALMONT DATED: 1/25/96
 CROSSR. 12705-96.

$M \text{ ALLOW} = 3912 \text{ IN-KIP} > 1179.65 \text{ IN-KIP}$

EXTENSION OK.

FOUNDATION.

SEE ATTACHED REPORT # 3162
 BY DR. T. LEE DE 2548 8/9/96.

DESIGN CRITERIA. SHT 1 OF 3

$M = 3912 \text{ IN-KIP} > 1179.65 \text{ IN-KIP}$
 $SHT = 12.94 \text{ KIP} > 3.84 \text{ K}$
 $VERT = 5.14 \text{ KIP}$

EXISTING FOUNDATION OK.

CHECK CONNECTION OF FLANGE TO PILE. (10" ϕ SS) (EXTREME CONSU) $F_y = 36 \text{ KSI}$. BASIS FORGE

$3/8" \text{ WELD } (12.4 \text{ KSI}) = 4.65 \text{ K/IN.}$

CIRCUM OF 10" PPG. = $3.14 (10) = 31.40 \text{ in}$

ALLOWABLE RESISTANCE = $31.4 (4.65) = 146,010 \text{ #}'$

REQD $98,304 \text{ #}' < 146,010 \text{ #}'$ (OK $3/8" \text{ CONT WELD}$)

CONNECTION CONT.

RESISTANCE BY (A) 5/8" ϕ BARS.

FORCES @ SPACES.

$M_1 = 42 \text{ pcf}$

$M_2 = 42(20)^2/2 = 8400 \text{ #}'$

$M_3 = (2)(1)(3)(22)(30) = 3960 \text{ #}'$

$M_4 = (2)(8)(30)(10) = 4800 \text{ #}'$

$M_5 = (8)(30)(24) = 5760 \text{ #}'$

$M_T = 22920 \text{ #}'$

TENSION - 4 BARS

$W/BAR = 22920/4(.833) = 6878 \approx 6.9 \text{ K}$

USE (B) A-325 BARS/CONC