

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0305495

Insp Area: I  
Thos Bros: 297 C4

Site Address: 515 P ST SAC  
Parcel No: 006-0300-005

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

CONTRACTOR  
UNITED BUILDING SERVICES  
9881 HORN RD  
SAC CA 95827

OWNER  
PIONEER TOWERS  
515 P ST  
SACRAMENTO CA 95814

ARCHITECT

Nature of Work: REPLACE CHILLER ON ROOF 100 TON

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 C20 License Number 624157 Date 7/2/03 Contractor Signature Paul Hinkel

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 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/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 a ny 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 herby authorize representative(s) of this city to enter upon the above mentioned property for inspection purposes.

Date 7/2/03 Applicant/Agent Signature Paul Hinkel

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.

PH 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 STATE FUND Policy Number 8417-2003 Exp Date 01/01/2004

(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 manner 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 7/2/03 Applicant Signature Paul Hinkel

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.

# UNITED BUILDING SERVICES

## FACSIMILE TRANSMITTAL SHEET

TO: Mr. Tom Melavic & Kim FROM: Phil Hinkel  
FAX NUMBER: 264-5987 DATE: 6/24/03  
COMPANY: City of Sacramento TOTAL NO. OF PAGES INCLUDING COVER: 1  
PHONE NUMBER: 264-5941 REFERENCE NUMBER:

RE:

URGENT  FOR REVIEW  PLEASE COMMENT  PLEASE REPLY  
RE: 515 P Street-Permit-Chiller Replacement

### NOTES/COMMENTS:

Per your request: Description/ratings for Main Rooftop Electrical Panel. Sylvania 1000 AMP supply. Subpanels as required in other areas. This panel services the following equipment:  
Chiller #1-Trane RT100 (new chiller to be installed) Maximum amp dwg. is 483 Amps. 100 tons in size.  
Chiller #2- Chrysler-Backup machine. 75 tons in size. Maximum Amp dwg. is 378 Amps.  
One-chilled water pump-Maximum Amp dwg. is 19 Amps.  
One-hot water pump-Maximum Amp. dwg. is 21 Amps.  
One-Air Handler-Maximum Amp. dwg. is 30 Amps.  
Elevator Motor #1-Maximum Amp. dwg. is 46.3 Amps.  
Elevator Motor #2-Maximum Amp. dwg. is 85.5 Amps.  
These Amp. ratings even at Maximum allow for far more than enough power in the panel because: Both chillers cannot run at the same time, the controls don't allow it and there is only one Air Handler, not two that would be required. The #1 machine is main with #2 as a backup if # fails. In the cooling mode, with #1 at full amperage and all other equipment at full amperage, the total load is 663.8 Amps. In the cooling mode with #2 at full amperage and all other equipment at full amperage, the total load is 558.8 Amps. Both well under the capacity of the Panel. In addition, the system does not run cooling and heating at the same time. This should resolve all questions about Panel Capacity. If you require additional information, please don't hesitate to call. Due to the urgency of this job and the time already elapsed, PLEASE contact me personally as soon as you receive/review this and OK my permit, so that I may pay and obtain it ASAP. Thanks in advance for your prompt response and assistance.

Regards, *Phil Hinkel*

9881 HORN ROAD, SUITE D • SACRAMENTO, CA 95827  
PHONE: 916-363-1651 • FAX: 916-363-1639



# Ireland Electric, Inc.



217 Dove Meadow Ct. Roseville, Ca 95661 (916) 781-2398 Fax: (916) 781-3699

Date: 6/16/03  
Page: 1 of 1  
Project: 515 P street  
Attention: Phil Hinkel  
Documents: Job walk only.

Installation of the electrical portion of work for this project as per our job walk today and the following scope of work.  
Based upon a connected load of 483-amps at 208-Volt.

1. Remove the existing 4/0 conductors from the existing conduit and discard.
2. Replace the existing 2 inch flex whips as they will probably not reach the disconnect and are difficult to pull through.
3. Pull in, three new 250 MCM copper conductors and one #4 copper ground conductor in the existing conduit.
4. Mount owner supplied 600-amp 240-volt service disconnect on the new chiller within 10 feet of the existing conduits.
5. Install new 2 inch flex and fittings and terminate in the owner supplied 600 amp 240 volt rated service disconnect.
6. Complete the connections between the disconnect based upon a single point connection and re-label the panel, disconnect and chiller as needed.

#1 ground per NEC-250-122

## Project Exclusions

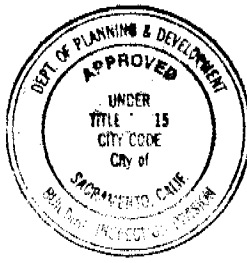
CG2010-1185 or EQUAL project insurance coverage.  
Replacement of conduit run if needed.  
Mounting of disconnect free standing if needed

Modifications to existing service panel.  
Based upon the disconnect being on the roof.

## General Exclusions

Permit and applicable utility company fees  
Fire caulking of conduit penetrations.  
Telephone and data system installation.  
Construction temp power, lighting and security.

Sealing of roof penetrations if applicable.  
Fire and intrusion alarm system installation.  
Repair and upgrades of existing electrical.  
Repairs to utilities damaged during construction.



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.

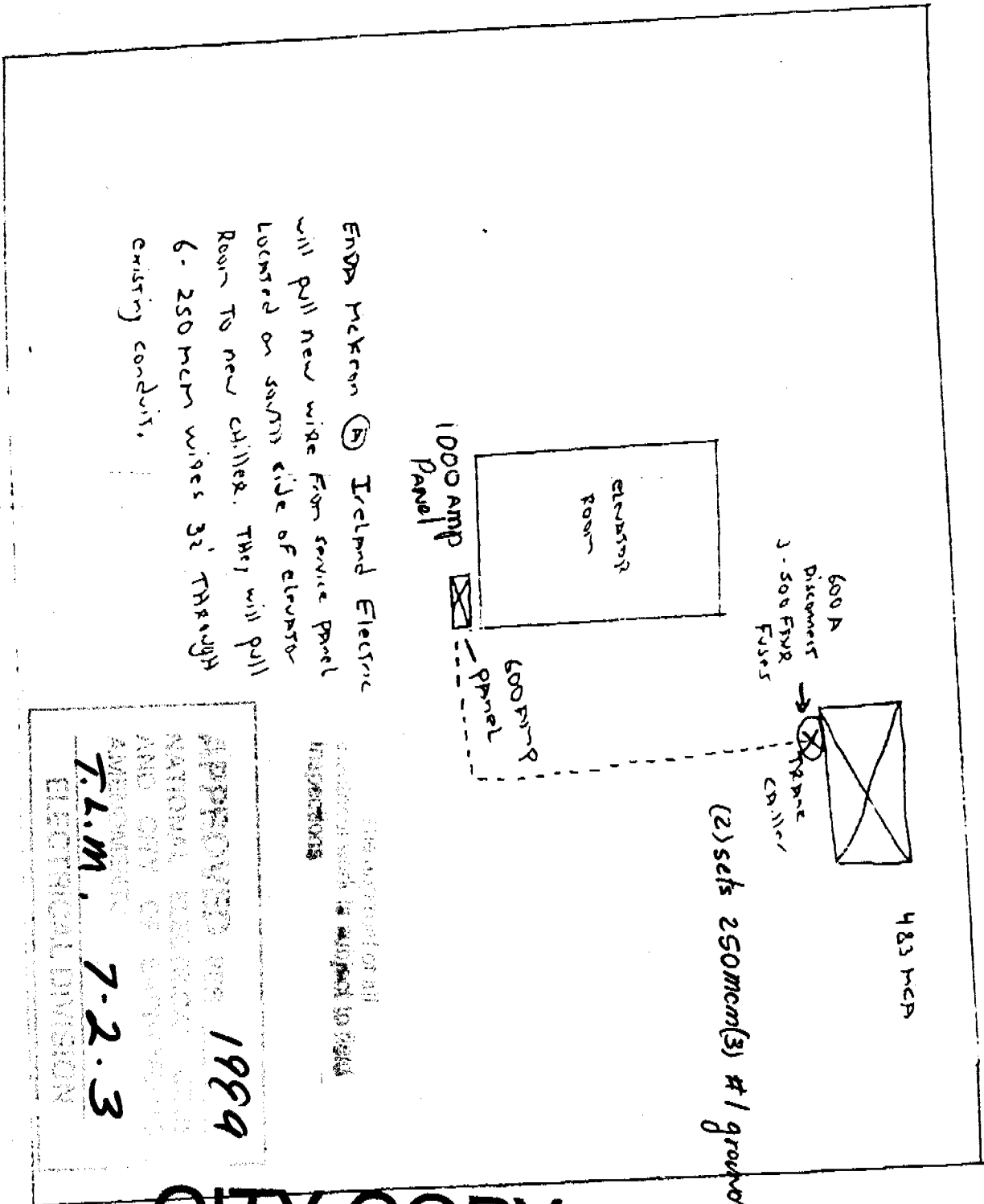
The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.

**ISSUED**

JUL 02 2003

Sacramento Building Division

515 P. ST  
Pioneer Tower



ENDA McKern (B) Ireland Electric will pull new wire from service panel located on south side of elevator room to new chiller. They will pull 6-250mm wires 3' THROUGH existing conduit.

APPROVED ON 1989  
NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION  
AND ONE OF SACRAMENTO  
AMERICAN  
T.L.M. 7-2-3  
ELECTRICAL DIVISION

**CITY COPY**

515 P ST

030495C

P. STREETS