CITY OF SACRAMENTO

Permit No: 9808740

1231 I Street, Sacramento, CA 95814

Insp Area: I

Site Address: 2222 N ST SAC
Parcel No: 0070253006

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

CONTRACTOR

OWNER
CASTRO RICK
2218 N ST
SACRAMENTO CA 95816

ARCHITECT

Nature of Work: INSTALL GAS AND ELECTRIC METERS AND 2 NEW AC UNITS

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'sAddress_____

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_____ License Number_____ Date_____ Contractor Signature_____

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, orrepair 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 4 September 1998 Owner Signature Rick Castro

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 herby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 4 September 1998 Applicant/Agent Signature Rick Castro

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, forthe 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_____ Policy Number_____

X (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 4 September 1998 Applicant Signature Rick Castro

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.

PERMIT NO. 980574-R

CITY OF SACRAMENTO
1231 I ST. ROOM 200
BUILDING INSPECTIONS DIVISION

AREA NO. 1R

WHEN CORRECTIONS HAVE BEEN MADE, CALL **264-5191** FOR REINSPECTION OF WORK.

JOB LOCATION 2232 N ST

INSPECTION REQUESTED SERVICES

THE UNDERSIGNED ○ BUILDING ○ PLUMBING ○ MECHANICAL ✓ ELECTRICAL INSPECTOR THIS DAY INSPECTED THIS STRUCTURE FOR THE REQUESTED INSPECTION AND FOUND THE FOLLOWING VIOLATIONS OF CITY AND/OR STATE LAWS GOVERNING SAME:

1) BLANKS MISSING IN DEAD FRONT UNIT 2
2) REMOVE GROUND WIRES FROM NEUTRAL BUSS AND INSTALL GROUND BUSS.
3) CAN NOT SPLICE SERVICE CONDUCTORS IN LB CONDUIT REPULL WIRE FROM METER TO SUB PANEL #2
4) WHITE TAPE ON NEUTRAL BUS SUB PANELS
5) NO EMT BELOW GRADE USE PVC TO UFER

INSPECTOR [signature] DATE 1/4/01

BUILDING INSPECTIONS 264-5716

INSPECTOR'S COPY

SMUD
SACRAMENTO MUNICIPAL UTILITY DISTRICT
The Power To Do More.SM

P.O. Box 15830, Sacramento, CA 95852-1830; 1-888-742-SMUD (7683)

October 17, 2000

DAN BENKIN

WA #75683

SMUD COMMITMENT LETTER

Thank you for submitting your plans for 2222 N ST for an electric service commitment. Your cooperation enables us to give you the best service possible, as well as provide for your future requirements.

We are returning one copy of your plans indicating the service location and other requirements checked below. Our commitment is subject to changing conditions and, as a result, may not be valid after twelve months.

Please contact the Estimator if additional information is desired.

Estimator: DAVE SMITH Dave Smith Telephone (916) 732-5776

Service will be: Overhead X Underground

Volts: 120/208 Phase: 1 Wire: 3 Type: STAR

(Street light service voltage will be the same as above.)

Transformer pad required:	Yes	No	X	SMUD Dwg._____
Conduit required:	Yes	No	X	(see sketch)
Right-of-way required:	Yes	No	X	
Transformer protection required:	Yes	No	X	see sketch and SMUD Dwg._____
Primary pull box required:	Yes	No	X	Number: SMUD Dwg._____
Service box required:	Yes	No	X	Number: SMUD Dwg._____
Switchgear pad required:	Yes	No	X	Number: SMUD Dwg._____
Street light service box required:	Yes	No	X	(see sketch)

Other requirements: See enclosed Booklet N/A Prints N/A

*A maximum fault current of 10400 amps symmetrical is based on the largest transformer that could be needed to serve the combined main size of 250 amps.

Metering will be outside, if possible. If in a meter room, outside access door must be keyed for a SMUD key. Contact the Estimator for details.

*If future load growth necessitates increasing the main switch size, the available fault current should be recalculated.

NOTE: This commitment letter may be required by local inspection authority as part of its plan check requirements.

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNER

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed improvement (yes or no) _____

2. I (have/have not) _____ signed an application for a building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name_____ Address_____

City_____ Telephone_____

Contractors License No._____

4. I plan to provide portions of the work, but I have hired the following person to coordinate, supervise, and provide the major work.

Name _____ Address_____

City_____ Telephone_____

Contractors License No._____

5. I will provide some of the work but I have contracted (hired) the following to provide the work indicated:

Name	Address	Phone	Type of Work

Signed X Rick Castro

Job Address X 2222 N Street Date X September 4 1998

Permit No.:_____

113.525

CITY OF SACRAMENTO

SUBMIT TWO COPIES

THIS COPY SHALL BE ON JOB SITE AT ALL TIMES

LOAD CALCULATION - N.E.C. 220-30

CONTRACTOR/OWNER RICK CASTRO JOB ADDRESS: 2222 N ST House TOTAL SQ. FT. 47

NUMBER	ITEM	WATTS
47	Sq. ft @ 3 watts per sq. ft.	141
	20 Amp. Appliance circuits @ 1,500 watts each	
	Range (Nameplate Rating = N.P.R.)	
	Oven (N.P.R.)	
	Cooking Units (N.P.R.)	
	Water Heater (N.P.R.)	
	Dishwasher (N.P.R.)	
	Disposal (N.P.R.)	
	Washer [1500 watts min. - N.E.C. 220-16(b)]	
	Dryer [5000 watts min. or N.P.R. if larger) N.E.C. 220-18]	
	Meters (N.P.R.)	
	Other (N.P.R.)	
	Other (N.P.R.)	

Air conditioning example (Not heat pump)

Compressor 20 amps
Fan 5 amps
Unit Total Load - 25 amps x 240V.
Electric Furnace @ N.P.R. - 6,000 watts X 65% = 3900 Watts
Use 6000W., since it is larger.

Heat Pump Note:
Be careful when doing load calculations where heat pumps are installed. The load for most heat pumps that are equipped with auxilliary heat strips will be larger under the demand for heat. For the purposes of load calculations only, on heat pumps, use 100% of the heat pump compressor and fans and 65% of auxilliary heat load to show total heat pump load.

Heat Pump Example
Compressor 20 Amps
Fans 5 amps

Heat Pump Load = 25A X 240V = 6,000
Aux. Heat Strip = 6,000W X 65% = 3,900W
Total Heat Pump Load = 9,900W

Air Conditioning Equipment
Air Conditioning [cooling @ (N.P.R. X 100%)] =

Electrical Heating @ (N.P.R.) X 65% =

NOTE: USE THE LARGEST LOAD - HEAT OR COOL =

Heat pump (compressor & fans) X 100% =

Aux. heat strips (or elect. furnace) X 65% =

Total Heat Pump Load =

NOTE = AMPS X CIRCUIT VOLTAGE = WATTS

Sub-Total = 141
(Less 1st 10KW) - 10,000 @100% = 10,000 Watts

Remainder @ ~~40%~~ @~~40%~~ 100% 141 Watts

Total Air Cond. and/or heat pump load = 0 Watts

Total Service Load = 141 Watts

Total Service Load 141 watts + 208V = 1.475 Amps

Service Size 40 AMPS

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LOAD CALCULATION - N.E.C. 220-30

CONTRACTOR/OWNER RICK CASTRO JOB ADDRESS: 2222 N ST #1 TOTAL SQ. FT. 650

NUMBER	ITEM		WATTS
650	Sq. ft @ 3 watts per sq. ft.		1950
5	20 Amp. Appliance circuits @ 1,500 watts each		7500
1	Range (Nameplate Rating = N.P.R.)	GAS	1200
	Oven (N.P.R.)	GAS	
	Cooking Units (N.P.R.)		
	Water Heater (N.P.R.)	GAS	
1	Dishwasher (N.P.R.)		1032
1	Disposal (N.P.R.)		960
1	Washer [1500 watts min. - N.E.C. 220-16(b)]		1500
1	Dryer [5000 watts min. or N.P.R. if larger) N.E.C. 220-18]	8 AMP GAS	5000
	Meters (N.P.R.)		
	Other (N.P.R.)		
	Other (N.P.R.)		

Air conditioning example (Not heat pump)

Compressor 20 amps
Fan 5 amps
Unit Total Load - 25 amps x 240V
Electric Furnace @ N.P.R. - 6,000 watts X 65% = 3900 Watts
Use 6000W., since it is larger.

Heat Pump Note:
Be careful when doing load calculations where heat pumps are installed. The load for most heat pumps that are equipped with auxilliary heat strips will be larger under the demand for heat. For the purposes of load calculations only, on heat pumps, use 100% of the heat pump compressor and fans and 65% of auxilliary heat load to show total heat pump load.

Heat Pump Example
Compressor 20 Amps
Fans 5 amps

Heat Pump Load = 25A X 240V = 6,000
Aux. Heat Strip = 6,000W X 65% = 3,900W
Total Heat Pump Load = 9,900W

Air Conditioning Equipment
Air Conditioning [cooling @ (N.P.R. X 100%)] = 4296

Electrical Heating @ (N.P.R.) X 65% =

NOTE: USE THE LARGEST LOAD - HEAT OR COOL = 4296

Heat pump (compressor & fans) X 100% =

Aux. heat strips (or elect. furnace) X 65% =

Total Heat Pump Load =

NOTE = AMPS X CIRCUIT VOLTAGE = WATTS

Sub-Total = 19142
(Less 1st 10KW) - 10,000 @100% = 10,000 Watts

Remainder @ 40% @40% 3656.8 Watts

Total Air Cond. and/or heat pump load = 4296 Watts

Total Service Load = 7953 Watts

Total Service Load 7953 watts + 208V = 38.23 Amps

Service Size 40 50 Amp

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LOAD CALCULATION - N.E.C. 220-30

CONTRACTOR/OWNER Rick Castro JOB ADDRESS: 2222 N ST #2 TOTAL SQ. FT. 828

NUMBER	ITEM	WATTS
828	Sq. ft @ 3 watts per sq. ft.	2484
5	20 Amp. Appliance circuits @ 1,500 watts each	7500
1	Range (Nameplate Rating = N.P.R.)	1200
	Oven (N.P.R.) Gas	
	Cooking Units (N.P.R.) Gas	
	Water Heater (N.P.R.) Gas	
1	Dishwasher (N.P.R.)	1032
1	Disposal (N.P.R.)	960
1	Washer [1500 watts min. - N.E.C. 220-16(b)]	1500
1	Dryer [5000 watts min. or N.P.R. if larger) N.E.C. 220-18] 8 amp Gas	5000
	Meters (N.P.R.)	
	Other (N.P.R.)	
	Other (N.P.R.)	

Air conditioning example (Not heat pump)

Compressor 20 amps
Fan 5 amps
Unit Total Load - 25 amps x 240V
Electric Furnace @ N.P.R. - 6,000 watts X 65% = 3900 Watts
Use 6000W., since it is larger.

Heat Pump Note:
Be careful when doing load calculations where heat pumps are installed. The load for most heat pumps that are equipped with auxiliary heat strips will be larger under the demand for heat. For the purposes of load calculations only, on heat pumps, use 100% of the heat pump compressor and fans and 65% of auxiliary heat load to show total heat pump load.

Heat Pump Example
Compressor 20 Amps
Fans 5 amps

Heat Pump Load = 25A X 240V = 6,000
Aux. Heat Strip = 6,000W X 65% = 3,900W
Total Heat Pump Load = 9,900W

Air Conditioning Equipment
Air Conditioning [cooling @ (N.P.R. X 100%)] = 4375

Electrical Heating @ (N.P.R.) X 65% = (9.5 FAN)

NOTE: USE THE LARGEST LOAD - HEAT OR COOL = 4375

Heat pump (compressor & fans) X 100% =

Aux. heat strips (or elect. furnace) X 65% =

Total Heat Pump Load =

NOTE = AMPS X CIRCUIT VOLTAGE = WATTS

Sub-Total = 19676
(Less 1st 10KW) - 10,000 @100% = 10,000 Watts

Remainder @ 40% @40% 3870.4 Watts

Total Air Cond. and/or heat pump load = 4375 Watts

Total Service Load = 8245.4 Watts

Total Service Load 8245.4 watts ÷ 2 V = 39.64 Amps

Service Size ~~40 Amps~~ 50 Amp

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LOAD CALCULATION - N.E.C. 220-30

CONTRACTOR/OWNER RICK CASTRO JOB ADDRESS: 2222 N ST #3 TOTAL SQ. FT. 500

NUMBER	ITEM		WATTS
500	Sq. ft @ 3 watts per sq. ft.		1500
4	20 Amp. Appliance circuits @ 1,500 watts each		6000
1	Range (Nameplate Rating = N.P.R.)	GAS	1200
1	Oven (N.P.R.)	GAS	
	Cooking Units (N.P.R.)		
	Water Heater (N.P.R.)	GAS	
1	Dishwasher (N.P.R.)		1032
1	Disposal (N.P.R.)		960
1	Washer [1500 watts min. - N.E.C. 220-16(b)]		1500
1	Dryer [5000 watts min. or N.P.R. if larger) N.E.C. 220-18]	5 AMP GAS?	5000
	Meters (N.P.R.)		
	Other (N.P.R.)		
	Other (N.P.R.)		

Air conditioning example (Not heat pump)

Compressor 20 amps
Fan 5 amps
Unit Total Load - 25 amps x 240V
Electric Furnace @ N.P.R. - 6,000 watts X 65% = 3900 Watts
Use 6000W., since it is larger.

Heat Pump Note:
Be careful when doing load calculations where heat pumps are installed. The load for most heat pumps that are equipped with auxilliary heat strips will be larger under the demand for heat. For the purposes of load calculations only, on heat pumps, use 100% of the heat pump compressor and fans and 65% of auxilliary heat load to show total heat pump load.

Heat Pump Example
Compressor 20 Amps
Fans 5 amps

Heat Pump Load = 25A X 240V = 6,000
Aux. Heat Strip = 6,000W X 65% = 3,900W
Total Heat Pump Load = 9,900W

Air Conditioning Equipment
Air Conditioning [cooling @ (N.P.R. X 100%)] = 4296 (17.9 t.)

Electrical Heating @ (N.P.R.) 1.5 (6.4) X 65% =

NOTE: USE THE LARGEST LOAD - HEAT OR COOL = 4296

Heat pump (compressor & fans) X 100% =

Aux. heat strips (or elect. furnace) X 65% =

Total Heat Pump Load =

NOTE = AMPS X CIRCUIT VOLTAGE = WATTS

Sub-Total = 17192
(Less 1st 10KW) - 10,000 @100% = 10,000 Watts

Remainder @ 40% @40% 2876.8 Watts

Total Air Cond. and/or heat pump load = 4296 Watts

Total Service Load = 7173 Watts

Total Service Load 7173 watts ÷ 208V = 34.48 Amps

Service Size ~~40~~ AMPS. 50