

PANEL NAME P1					
MAIN BKR	400A				
FEEDER	4#500MCM, 1#3GND				
VOLTAGE/PHASE	120/208V, 3 PHASE				
C.B. RATING	25,000A				
SUBFEED LUGS	NO				
FED FROM	MAIN SWITCH				
MOUNTING	SURFACE				
NO.	DESCRIPTION	C.B.	NO.	DESCRIPTION	C.B.
1	LTG	20A/1	2	LTG	20A/1
3	LTG	20A/1	4	LTG	20A/1
5	LTG	20A/1	6	LTG	20A/1
7	LTG	20A/1	8	LTG	20A/1
9	LTG	20A/1	10	LTG	20A/1
11	EMERG	20A/1	12	EXIT LTS	20A/1
13	RECP	20A/1	14	RECP	20A/1
15	LTG	20A/1	16	RECP	20A/1
17	RECP	20A/1	18	LTG	20A/1
19	RECP	20A/1	20	LTG	20A/1
21	RECP	20A/1	22	LTG	20A/1
23	FA PANEL	20A/1	24	DOOR ANS	20A/1
25	TEL/TV	20A/1	26	CUH107	60A/2
27	CUH109	60A/2	28		
29			30	CUH112	30A/1
31	CUH210	30A/1	32		
33			34	CUH307	30A/1
35	CUH309	30A/1	36		
37			38	CUH310	30A/1
39	CUH407	30A/1	40		
41			42	CUH411	30A/1
43	SPARE	20A/1	44		
45	SPARE	20A/1	46	SPARE	20A/1
47	SPARE	20A/1	48	SPARE	20A/1
49	SPARE	20A/1	50	SPARE	20A/1
51	SPACE		52	SPACE	
53	SPACE		54	SPACE	
55	SPACE		56	SPACE	
57	SPACE		58	SPACE	
59	SPACE		60	SPACE	

LOAD CENTER R (TYPICAL)					
MAIN LUGS	125A				
FEEDER	3#1.1#8GND				
VOLTAGE/PHASE	120/208V, SINGLE PHASE				
C.B. RATING	10,000A				
SUBFEED LUGS	NO				
FED FROM	METER CENTER				
MOUNTING	RECESSED				
NO.	DESCRIPTION	C.B.	NO.	DESCRIPTION	C.B.
1	RANGE	50A/2	2	DRYER	30A/2
3			4		
5	EWH	30A/2		COND UNIT	20A/2
7					
9	AHU	20A/1	10	DW	20A/1
11	DISP	20A/1	12	LTG	20A/1
13	LTG	20A/1	14	BED R RECP	20A/1 AF
15	BED R RECP	20A/1 AF	16	BATH RECP	20A/1
17	SM APPL RECP	20A/1	18	SM APPL RECP	20A/1
19	RECP	20A/1	20	RECP	20A/1
21	RECP	20A/1	22	WASHER	20A/1
23	ELEC HTG UNIT	20A/1 *	24	SPARE	20A/1
25			26		
27			28		
29			30		

AF MEANS ARC FAULT CKT BKR  
\* ONLY IN UNITS ON MEZZ.  
401,402,403,404,405 AND 406.

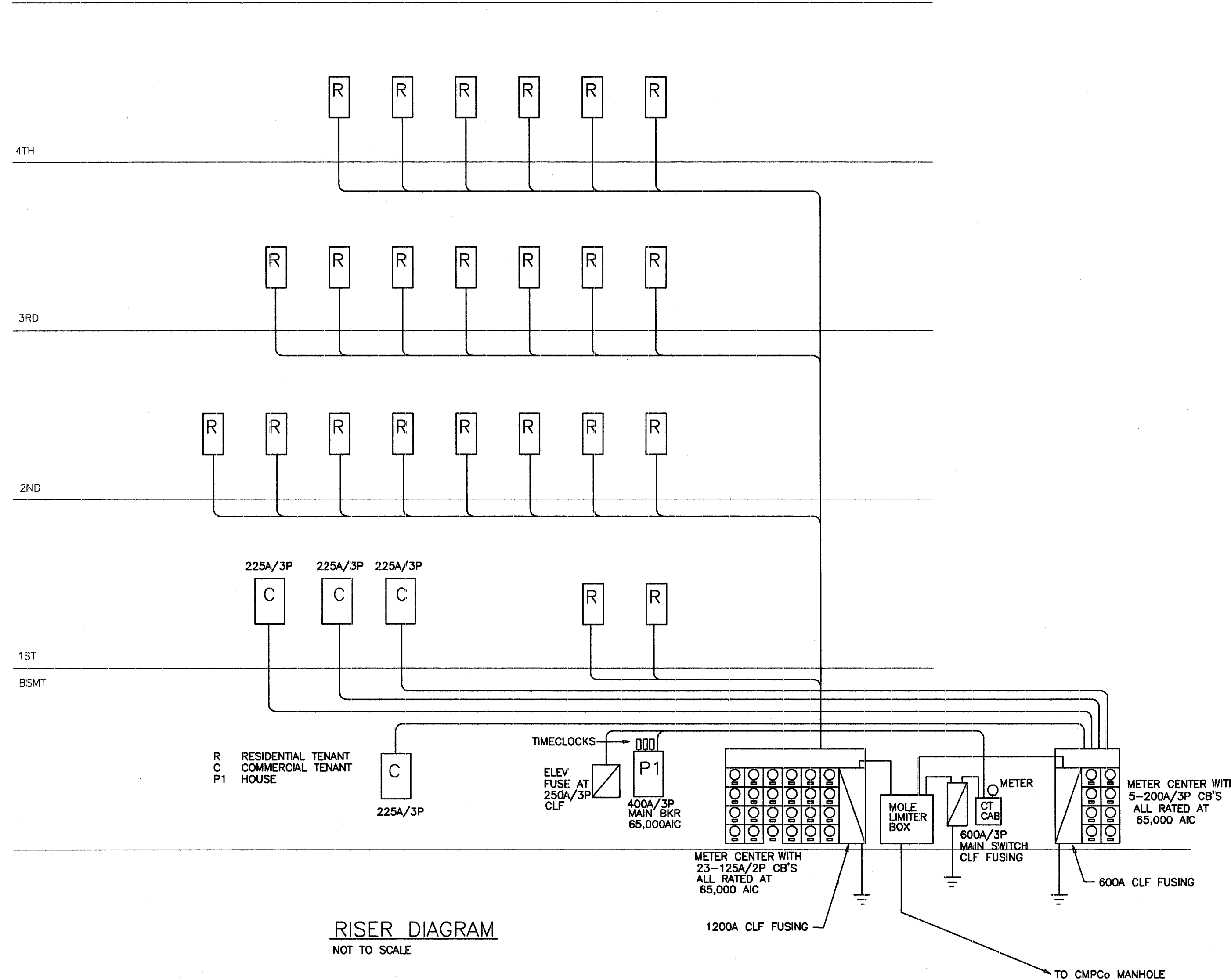
FIXTURE SCHEDULE-HOUSE				
TYPE	MANUFACTURER	CATALOG NO.	LAMPS	MTG. & DESCRIPTION
A	-----	-----	2-F032/TB	4' STRIP-SURFACE
B	-----	-----	4-F032/TB	8' STRIP-SURFACE
C	TERON	EMLR-F213T-120E--SW-35K	2-13W/T	WALL, SURFACE
C1	TERON	V1132XE	1-32W/TBX	WALL, SURFACE, WET LOCATION
D	PROGRESS	P7116-60EB	2-F032/TB	SURFACE OVER MIRROR
E	LEVITON		1-100W/A19	SURFACE WITH GLOBE & GUARD

LEGEND

- ||--- CONDUIT AND/OR WIRING RUN CONCEALED - ARROW DENOTES HOMERUN TO PANEL - HASHMARKS DENOTE NUMBER OF WIRES OTHER THAN TWO
- CONDUIT AND WIRING RUN CONCEALED IN OR UNDER SLAB OR BELOW GRADE
- DC WIRING FOR EMERGENCY LIGHTING - SIZED AS REQ'D
- [ ] LIGHTING AND POWER PANEL
- [ ] FLUORESCENT FIXTURE
- [ ] LIGHTING FIXTURE - WALL OUTLET
- [ ] LIGHTING FIXTURE - CEILING OUTLET
- [ ] RECESSED FIXTURE
- [ ] TRACK LIGHTING
- S SINGLE POLE SWITCH
- S2 TWO POLE SWITCH
- S3 THREE WAY SWITCH
- S4 FOUR WAY SWITCH
- S5 SWITCH AND PILOT ASSEMBLY
- S6 DIMMER SWITCH
- SOL THERMAL OVERLOAD SWITCH
- [ ] DUPLEX CONVENIENCE OUTLET 18" AFF EXCEPT AS NOTED
- [ ] DUPLEX CONVENIENCE OUTLET 44" AFF
- [ ] RANGE OUTLET - 50A-250V
- [ ] VOICE/DATA OUTLET - WALL TYPE MOUNTED 18" AFF EXCEPT AS NOTED - RUN 3/4" CONDUIT FROM BOX TO ACCESSIBLE CEILING. MOUNTING HEIGHT SHALL BE COORDINATED W/ HEATING UNITS
- [ ] TELEVISION OUTLET - WALL TYPE MOUNTED 18" AFF EXCEPT AS NOTED - MOUNTING HEIGHT SHALL BE COORDINATED W/ HEATING UNITS
- [ ] JUNCTION BOX - SIZED AS REQUIRED
- [ ] ELECTRIC MOTOR - NUMBER INDICATED H.P.
- [ ] DISCONNECT SWITCH - FUSED AS REQUIRED
- [ ] ELECTRIC MOTOR CONTROLLER
- [ ] EMERGENCY LIGHTING UNIT W/REMOTE HEADS AS SHOWN - MOUNTED SO TOP OF HEADS ARE 6" BELOW CEILING
- [ ] EMERGENCY LIGHTING BATTERY UNIT
- [ ] EXIT LIGHTING UNIT - CEILING OUTLET
- [ ] EXIT LIGHTING UNIT - WALL OUTLET
- [ ] FIRE ALARM MANUAL STATION
- [ ] FIRE ALARM HORN AND LIGHT UNIT - MOUNT 80" AFF EXCEPT NO CLOSER THAN 6" TO CEILING - BUILDING SYSTEM
- [ ] FIRE ALARM VISUAL UNIT - BUILDING SYSTEM
- [ ] FIRE ALARM HORN - APARTMENT TYPE - BUILDING SYSTEM - L MEANS STROBE TYPE
- [ ] SMOKE DETECTOR - "D" DENOTES DUCT TYPE - BUILDING SYSTEM
- [ ] FIRE ALARM THERMAL DETECTOR - COMBINATION
- [ ] SMOKE DETECTOR - SINGLE STATION SYSTEM
- [ ] SMOKE DETECTOR - SINGLE STATION SYSTEM WITH STROBE
- [ ] FIRE ALARM VISUAL UNIT - SINGLE STATION SYSTEM
- AF ARC FAULT CIRCUIT BREAKER SIMILAR TO GEN ELECT #THQL1120AF
- AFF ABOVE FINISH FLOOR
- AFG ABOVE FINISH GRADE
- DD DOUBLE DUPLEX
- GFI GROUND FAULT INTERRUPTER
- EF EXHAUST FAN
- WP WEATHERPROOF
- EWB ELECTRIC WATER HEATER
- EHU ELECTRIC HEATING UNIT
- UH UNIT HEATER
- PC PARTIAL CIRCUIT
- CP CIRCULATING PUMP
- [ ] SPECIAL PURPOSE OUTLET - SIZED AS REQUIRED

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND THE N.E.C.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING THE LOAD ON THE PANELS.
3. SWITCHES SHALL BE MOUNTED 4'-0" TO TOP OF PLATE. SWITCHES SHOWN IN SAME AREA SHALL BE GANGED UNDER A COMMON PLATE. LOCATE SWITCHES AS CLOSE AS POSSIBLE TO EDGE OF DOOR FRAME ON LOCKSIDE.
4. MINIMUM WIRE SIZE SHALL BE #12AWG COPPER. ALL REFERENCE TO WIRE SIZE IS INTENDED AS COPPER. CIRCUIT BREAKER SIZE (AS PER PANEL SCHEDULE) SHALL DICTATE WIRE SIZE OF ALL CONDUCTORS.
5. THE ENTIRE ELECTRICAL SYSTEM SHALL BE GROUNDED BY MEANS OF A SEPARATE GROUND CONDUCTOR. CONDUIT SHALL NOT BE CONSIDERED A GROUND CONDUCTOR, BUT SHALL BE GROUNDED. (USE TABLE 250-95 IN N.E.C.)
6. THIS CONTRACTOR SHALL COORDINATE WITH OTHER TRADES WHERE EQUIPMENT AND/OR DEVICES ARE FURNISHED BY OTHER TRADES AND WIRED WHOLLY OR IN PART BY THIS CONTRACTOR SO AS TO ACHIEVE A COMPLETE AND OPERATING SYSTEM.
7. OUTLETS OR JUNCTION BOXES MOUNTED BACK TO BACK SHALL BE PROHIBITED.
8. PROVIDE 2-1" EMPTY FROM EACH RECESSED PANEL EXTENDED TO ACCESSIBLE CEILING SPACE ABOVE EACH PANEL OR TO BOX 10" AFF IF NO CEILING. CAP FOR FUTURE USE.
9. OUTLETS BACK TO BACK WITHIN 24 INCHES OF EACH OTHER IN FIRE RATED WALLS, SHALL BE ENCASED WITH FIRE RATED BACKER.
10. THIS CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF FIRE RATED WALLS BY SEALING ALL WIRING, CONDUIT, ETC., WHICH PASSES THROUGH SUCH WALLS WITH AN APPROVED FIRE RATED SEALANT.
11. THIS CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS FOR ALL OUTLETS. COORDINATE RECEPTACLES CAREFULLY PRIOR TO INSTALLATION.
12. ALL H&V SCHEMATICS SHOWN ARE DIAGRAMMATICAL ONLY. REFER TO EQUIPMENT AND CONTROL MANUFACTURER'S SHOP DRAWINGS FOR EXACT WIRING.
13. ALUMINUM CABLES SHALL BE THREADED WITH COMPRESSION FITTINGS; USE ANTI-OXIDE PASTE.
14. DIAGRAMS DO NOT NECESSARILY SHOW ALL ITEMS INCLUDED IN THE SYSTEM. REFER TO FLOOR PLANS, ETC., FOR COMPLETE SYSTEM.
15. LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, TELEPHONE OUTLETS, ETC. SHALL BE CONFIRMED AND VERIFIED FROM ARCHITECTURAL DRAWINGS, I.E. ELEVATIONS, SECTIONS, REFLECTED CEILINGS, ETC.
16. THE LIGHTING FIXTURE SCHEDULE SHALL NOT BE THE SOLE LIGHTING REFERENCE. REFER TO THE DRAWINGS TO VERIFY QUANTITIES, BALLAST CONFIGURATIONS, AND DIMENSIONS OF FIXTURES PRIOR TO BIDDING.
17. TOP CIRCUIT BREAKER IN ALL APARTMENT LOADCENTERS SHALL BE NO MORE THAN 48" AFF.



490 Congress Street Portland, Maine	E-8
Kimball Building, LLC Portland, Maine	
James Sterling Architect 142 High Street Portland, Maine	
ELECTRICAL DETAILS AND SCHEDULES	
scale: 1/8" = 1'-0"	
date: 27 May 2005	

