

EQUIPMENT & CONNECT LIST

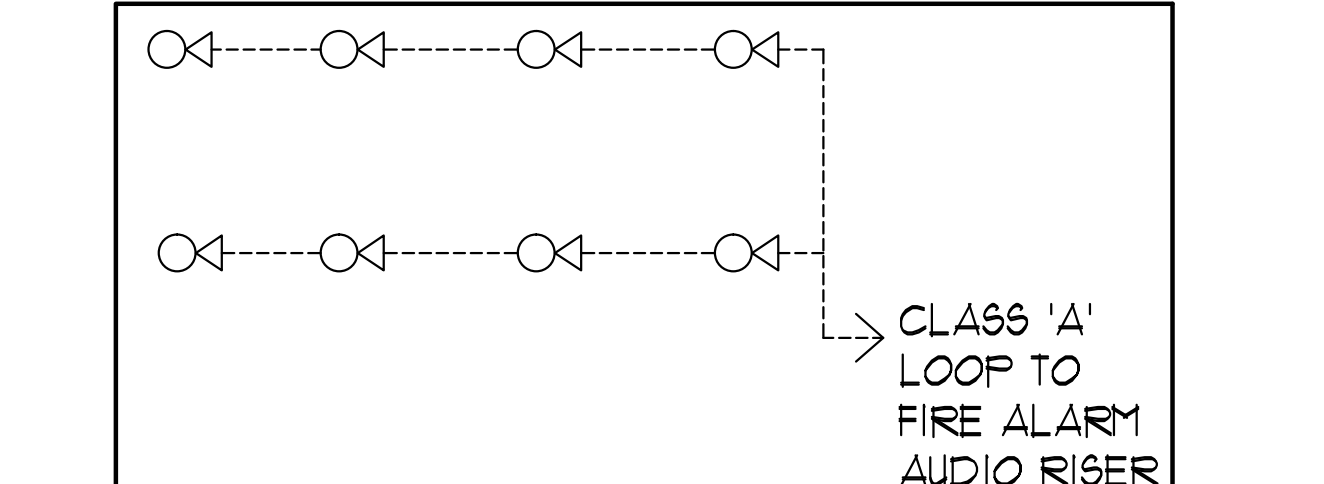
- ① B-1 4 2
515V, 3φ, 3HP
CONN. TO "REDP".
- ② B-3,
515V, 3φ, 15HP
CONN. TO "REDP".
- ③ B-3 FAN, C/W NEUTRAL
120V, 1φ, 11A
CONN. TO "ERI-6".
- ④ HWP-142,
515V, 3φ, 15HP
CONN. TO "REDP".
- ⑤ CWP-142,
515V, 3φ, 40HP
CONN. TO "REDP".
- ⑥ CT-1
515V, 3φ, 10HP
CONN. TO "REDP".
- ⑦ EF-22 4 MD
120V, 1φ, 1/2HP
CONN. TO "R-6".
- ⑧ SCU
208V, 1φ, 9MVA
CONN. TO "R-40,42".
- ⑨ DHURP-2
515V, 3φ, 1/2HP
CONN. TO "REDP".
- ⑩ UH-4
120V, 1φ, 1/2HP
CONN. TO "R-4".
- ⑪ EF-26
120V, 1φ, 1/6HP
CONN. TO "R-31".
- ⑫ EF-21
120V, 1φ, 1/2HP
CONN. TO "R-33".
- ⑬ CHEMICAL PUMP
120V, 1φ, HP
CONN. TO "R-1".
- ⑭ HB-2
240V, 1φ, 3HP
CONN. TO "ERI-12,14".
- ⑮ SAC
208V, 1φ, HP
CONN. TO "R-36,38".
- ⑯ B-1 FAN
208V, 1φ, 14A, C/W NEUTRAL
CONN. TO "ERI-11,13".
- ⑰ B-2 FAN
208V, 1φ, 14A, C/W NEUTRAL
CONN. TO "ERI-12,14".
- ⑱ B-123 IGNITION
120V, 1φ, 15A
CONN. TO "ERI-15".

GENERAL AREA CIRCUITING - TABLE #1

LIGHTING FIXTURE LOCATION	CCT. #
F2 TO F1 - EXIT SIGNS	E-1
G/F TO MPH - EXIT SIGNS	E-3
MPH - EXIT SIGNS	ER-1
STAIR 'A' (F2 TO G/F)	E-5
STAIR 'B' (F2 TO G/F)	E-1
STAIR 'J' (G/F TO 4/F)	E-9
STAIR 'U' (B/F TO 3/F)	E-11
STAIR 'G' (G/F TO 14/F)	E-13
STAIR 'F' (G/F TO 14/F)	E-15
STAIR 'K' (14/F TO MPH) & MPH (G/F)	ER-3ER-5R-11R-15
(G/F)	E-2E-4E-6E-8E-10E-12E-14E-16
(G/F)	B1-2B1-4B1-6B1-8B1-10B1-12B1-14B1-16
(G/F)	B1-18B1-20B1-22B1-24B1-26B1-28B1-30
CORRIDOR (2/F & 3/F)	E-24
CORRIDOR (4/F & 5/F)	E-26
CORRIDOR (6/F & 7/F)	E-28
CORRIDOR (8/F TO 11/F)	E-30
CORRIDOR (12/F TO 14/F)	E-32
CORRIDOR & LOCKER (2/F)	B-46
CORRIDOR (3/F)	B-48
CORRIDOR (4/F)	B-50
CORRIDOR (5/F & 6/F)	B-52
CORRIDOR (7/F & 8/F)	B-54
CORRIDOR (9/F TO 11/F)	B-56
CORRIDOR (12/F TO 14/F)	B-58
ELEVATOR CAB	ER-6, ER-8ER-10
EXTERIOR SITE	E1-1E1-3E1-5E1-7E1-9E1-11
RECEPTACLE LOCATION	CCT. #
ELEC. S. CLOSET (G/F TO 3/F)	B-2
ELEC. N. CLOSET (2/F TO 3/F)	B-4
ELEC. N. CLOSET (10/F TO 14/F)	B-6
ELEC. N. CLOSET (12/F TO 14/F)	B-8
ELEV. LOBBY (F2 TO 8/F)	B-10
CORRIDOR (2/F TO 8/F)	B-12B-14B-16B-18B-20B-22B-24
CORRIDOR (2/F TO 5/F)	B-26B-28
ELEV. LOBBY (9 TO 14/F)	B-30
CORRIDOR (9/F TO 14/F)	B-32B-34B-36B-38
STAIR A (G/F) & 3/F&6/F,3/F	B-40
STAIR F (14/F,11/F&5/F,2/F)	B-42
STAIR H (14/F,11/F&5/F,2/F)	B-44
STAIR 'K' & MPH	R-2

KEY NOTES - INSUITE:

- ① DESIGNATED "LAUNDRY RECEPTACLE" AS DEFINED BY ESA CODE 26-110(e)(1), 26-120(b) AND ESA BULLETIN 26-26-0 (WITHIN 3M RADIUS OF LAUNDRY CLOSET). RECEPTACLE SHALL BE CONNECTED TO A DEDICATED CIRCUIT. SEE DETAIL #4 ON DUG. E-35.
- ② SUITE DOOR CONTACTS AND GLASS BREAK DETECTOR WILL COMPLETE WITH INTRUSION ALARM SYSTEM THAT CONTACT TO THE CONCIERGE STATION (TYPICAL)
- ③ FOR FAN COIL UNITS (FCU) ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL CONDUIT AND JUNCTION BOX FOR REMOTE THERMOSTAT. MECHANICAL CONTRACTOR SHALL SUPPLY WIRE, TERMINATE WIRING AND MOUNT THERMOSTAT.
- ④ INSTALL SIDE-MOUNTED RECEPTACLE ON KITCHEN ISLAND CABINET.
- ⑤ SWITCHES, RECEPTABLES, ETC. TO BE INSTALLED AS TO NOT INTERFERE WITH THE OPENING AND OPERATION OF SLIDING DOOR.



MOUNTING HEIGHT SCHEDULE (TO TOP OF BOX)

OUTLET	SUITES	PUBLIC AREA
RECEPTACLE	400 MM AFF.	400 MM AFF.
TV OUTLET	400 MM AFF.	400 MM AFF.
TELEPHONE OUTLET	400 MM AFF.	400 MM AFF.
MULTI-PORT OUTLET	400 MM AFF.	400 MM AFF.
SWITCH	1200 MM AFF.	1200 MM AFF.
SECURITY PANEL	1200 MM AFF.	
SILENCE SWITCHES	1200 MM AFF.	
THERMOSTAT	1200 MM AFF.	1200 MM AFF.
INTERCOM		1200 MM AFF.
V.C. HANDSET		1200 MM AFF.
FULL STATION		1200 MM AFF.

GENERAL NOTES - RESIDENTIAL:

- 1. ELECTRICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH MECHANICAL, STRUCTURAL, ARCHITECTURAL AND LANDSCAPE DRAWINGS.
- 2. CONTRACTOR SHALL RUN CABLES WITHIN CEILING SLAB OR ENCLOSURES TO RETAIN 2 HOUR FIRE PROTECTION RATING FOR ALL LOADS THAT CONNECT TO EMERGENCY POWER.
- 3. FIRE ALARM RISERS SHALL BE RUN IN 2 HOUR FIRE RATED ELECTRICAL CLOSET. REFER TO DUG. E-32 FOR RISER DIAGRAM AND DETAILS.
- 4. STAIRWAY WALL MOUNTED EMERGENCY LIGHT FIXTURES SHALL BE MOUNTED @ 1' AFF. MIN.
- 5. FOR STORAGE ROOM VENTILATION SYSTEM, DIV. 16 TO PROVIDE CONDUIT, WIRING AND SWITCH (S) TO START/STOP FAN AND DAMPER. FAN AND 100V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
- 6. FOR UTILITY ROOM VENTILATION SYSTEM, DIV. 16 WILL PROVIDE LINE VOLTAGE THERMOSTAT (T) TO DIV. 16. DIV. 16 TO PROVIDE CONDUIT AND WIRING TO START/STOP FAN AND DAMPER VIA THERMOSTAT. FAN AND 100V ACTUATOR TO BE SUPPLIED AND INSTALLED BY DIV. 15.
- 7. FOR UNIT HEATER, DIV. 15 TO PROVIDE LINE VOLTAGE THERMOSTAT (T), DIV. 16, TO PROVIDE CONDUIT AND WIRING TO START/STOP UNIT HEATER.
- 8. REFER TO SPRINKLER DRAWINGS FOR FIRE PROTECTION DEVICE TO BE CONNECTED TO THE FIRE ALARM SYSTEM. THE DEVICE AND EQUIPMENT SHALL FORM AN INTEGRAL PART OF THE ELECTRICAL CONTRACT.
- 9. DIV. 16 SHALL SUPPLY AND INSTALL CONDUITS, WIRES AND INTERLOCK FANS TO MOTORIZED DAMPERS AND TO THE THERMOSTAT.
- 10. DIV. 16 SHALL SUPPLY AND INSTALL CONDUITS, WIRES AND INTERLOCK FANS TO MOTORIZED DAMPERS AND TO THE THERMOSTAT.
- 11. REFER TO SUITE PANEL SCHEDULES FOR INSUITE CIRCUIT ARRANGEMENT.
- 12. ALL DWELLING UNIT RECEPTABLES EXCEPT IN KITCHEN SHALL BE TAMPER PROOF.
- 13. PROVIDE GROUND FAULT PROTECTION FOR SUITE KITCHEN, AMENITY KITCHEN AND WASHROOM RECEPTABLES WITHIN 1500mm OF SINK.
- 14. PROVIDE TELECOMMUNICATION BOX C/W BUILT-IN RECEPTACLE FOR TELECOMMUNICATION. TELECOMMUNICATION BOX SHALL BE COMPLIANT WITH THE TELECOM SERVICE PROVIDER SPECIFICATION. REFER TO DETAIL #9 ON DUG. E-35 FOR TELECOM JUNCTION BOX INSTALLATION.
- 15. DRYER SENSOR TO START DRYER VENTILATION FAN AUTOMATICALLY WHEN DRYER IS RUNNING.
- 16. ALL SMOKE ALARMS WITHIN THE SUITE SHALL BE HARDWIRED TOGETHER AND TO A ISA, IF CIRCUIT BREAKER AHEAD OF OTHER LOADS.
- 17. ALL OUTDOOR RECEPTABLES SHALL BE WEATHERPROOF (LEGRADE CAT 3) 3232TRUR-GRY FOR NON-GFCI AND CAT 3535TRUR-GRY FOR GFCI) AND SHALL BE EQUIPPED WITH A WHILE IN USE CAST ALUMINUM COVERPLATE (LEGRADE CAT 3) W/UCASTI) COVERPLATE.
- 18. REFER TO SPRINKLER DRAWINGS FOR FIRE PROTECTION DEVICE TO BE CONNECTED TO THE FIRE ALARM SYSTEM. THE DEVICE AND EQUIPMENT SHALL FORM AN INTEGRAL PART OF THE ELECTRICAL CONTRACT.

KEY NOTES - RESIDENTIAL - COMMON AREA:

- ① FOR CIRCUITING, REFER TO TABLE #1.
- ② PROVIDE ALARM SPEAKER, SMOKE DETECTOR AND RECEPTACLE AT EVERY THIRD FLOOR STAIR WELLS STARTING FROM TOP FLOOR, AS PER TO DUG. E-32 FOR FIRE ALARM RISER DIAGRAM.
- ③ PROVIDE TELECOMMUNICATION BACKBOARD C/W 15V, 1φ, 15A RECEPTACLE AS PER COMMUNICATION RISER DIAGRAM ON DUG. E-31.
- ④ CONTRACTOR SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAM ON DUG. E-30 AND SDP RISER ON DUG. E-31 FOR SDP LOCATIONS AND DISTRIBUTION.
- ⑤ PROVIDE CONDUIT AS PER RISER DETAIL #9 ON DUG. E-35 FOR TRISORTER CONTROL SYSTEM.
- ⑥ REFER TO SUPERVISED VALVE AND FLOW SWITCH SCHEDULE ON DUG. E-33 FOR DETAILS ON TYPICAL FLOORS.
- ⑦ EMERGENCY LIGHT FIXTURES IN LOCKERS, STORAGE, GARBAGE, UTILITY AND SERVICE ROOMS SHALL BE CONNECTED TO BOTH NORMAL AND EMERGENCY POWER AS PER DETAIL #71 OF DUG. E-35.
- ⑧ ALLOCATE 2, 120V, 15A, CIRCUITS FROM PANEL "LP-P" FOR MECHANICAL CONTROL. CONTRACTOR COORDINATE WITH DIV. 15 FOR EXACT LOCATION.
- ⑨ ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING FOR BOILER:
 - 1) 515V, 3φ, 15A FEEDER FOR BOILER CIRCULATING PUMP.
 - 2) 15V, 1φ, 15A DEDICATED CIRCUIT FOR BOILER IGNITER.
 - 3) BOILER SHUTDOWN PUSH-BUTTON AT EXIT OF MECHANICAL ROOM.
- ⑩ PROVIDE CONDUIT AS PER COMM/SECURITY CONDUIT CONNECTION DIAGRAM ON DUG. E-31.
- ⑪ ALL EXTERIOR LIGHTS SHALL BE CONTROLLED BY A TIMER/CONTACTOR LOCATED NEAR "LP-R"; CONNECT LIGHTS TO CIRCUIT AS SHOWN.
- ⑫ PROVIDE RECEPTABLES FOR MAINTENANCE OF MECHANICAL EQUIPMENT. MOUNTING HEIGHT IS 150MM AFF. AS PER ESA CODE.
- ⑬ 3/4" x 48" x 96" PLYWOOD BACKBOARD FOR SECURITY SYSTEM
- ⑭ 3/4" x 48" x 96" PLYWOOD BACKBOARD FOR T.V. SYSTEM
- ⑮ 3/4" x 48" x 96" PLYWOOD BACKBOARD FOR TEL. SYSTEM
- ⑯ TRANSFORMERS TX-R & TX-RI SHALL BE CEILING MOUNTED.
- ⑰ PROVIDE [Symbol] FOR ALL SUITES ON THIS FLOOR.

ELECTRICAL LEGEND

LIGHTING	
[Symbol]	FLOURESCENT LIGHT FIXTURE, TYPE AS INDICATED
[Symbol]	WALL LIGHT OR LIGHT CONNECTED TO EMERGENCY POWER
[Symbol]	CEILING MOUNTED WALL MOUNTED LIGHT FIXTURE, INCORPORATED LETTER DENOTES TYPE
[Symbol]	POLE MOUNTED LIGHT FIXTURE, INCORPORATED LETTER DENOTES TYPE
[Symbol]	CARRIED CEILING LIGHT OUTLET
[Symbol]	TRACK LIGHT
[Symbol]	STRIP LIGHT
[Symbol]	UNDER CABINET FLOURESCENT LIGHT FIXTURE
[Symbol]	CEILING MOUNTED WALL MOUNTED EXIT SIGN
[Symbol]	EMERGENCY LIGHT FIXTURE, REFER TO DETAIL #
[Symbol]	EMERGENCY BATTERY PACK
[Symbol]	OCCUPANCY SENSOR POWER PACKS
[Symbol]	SINGLE/DOUBLE POLE SINGLE/THREE PHASE TOGGLE SWITCH RESPECTIVELY.
[Symbol]	3/4" x 48" x 96" PLYWOOD BACKBOARD FOR SECURITY SYSTEM
[Symbol]	3/4" x 48" x 96" PLYWOOD BACKBOARD FOR T.V. SYSTEM
[Symbol]	3/4" x 48" x 96" PLYWOOD BACKBOARD FOR TEL. SYSTEM
[Symbol]	TRANSFORMERS TX-R & TX-RI SHALL BE CEILING MOUNTED.
[Symbol]	PROVIDE [Symbol] FOR ALL SUITES ON THIS FLOOR.

REVISIONS

NO.	DATE	DESCRIPTION
0020B	1	BASED FOR E-16
0020B	2	BASED FOR E-16
0021B	1	BASED FOR E-16
0021B	2	BASED FOR E-16
0021B	3	BASED FOR E-16
0021B	4	BASED FOR E-16
0021B	5	BASED FOR E-16
0021B	6	BASED FOR E-16
0021B	7	BASED FOR E-16
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0021B	49	BASED FOR E-16
0021B	50	BASED FOR E-16

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PROJECT FILE
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DRAWING
DATE: FEB, 13
SCALE: 1:50
PROJECT NUMBER: 1313
DRAWING NUMBER: E-28