

ELECTRICAL MOUNTING HEIGHTS	
ITEM	HEIGHT A.F.F. TO CENTER LINE
THERMOSTATS	48"
DOOR HOLDERS	75" TO CENTER
EMERGENCY CALL	42"
SPEAKERS & PULL STATIONS	42"
WALL LIGHTS IN CORRIDORS	80" TO CENTER LINE
EXTERIOR WALL LIGHTS	96" TO CENTER LINE (U.N.O.)
OUTLETS (COMMON AREAS)	17"
OUTLETS (SUITE AREAS)	24"
LIGHT SWITCH	44"
COUNTER OUTLETS	44" TO BOTTOM
STAIR LIGHTS	2" TO BOTTOM, ABOVE TREAD
ELECTRICAL PANEL	80" TO TOP OF PANEL
BATHROOM WALL VANITY LIGHT	6'-11" TO CENTER (SEE NOTE #1)

- NOTES:
- CENTER OVER CABINET BASE PROVIDE BACKING IF REQUIRED.
 - INFORMATION SHOWN FOR REFERENCE. CONFORM TO ARCH, ADA, AND CODE REQUIREMENTS.

GENERAL NOTES:

SEE ELECTRICAL ES-X SHEETS FOR TYPICAL ELECTRICAL IN RESIDENTIAL SUITES, BASEBOARD AND WALL HEATERS TO BE WHITE.

CONNECT SUITES TO PANELS AS INDICATED ON POWER PLANS.

CONSULT FINISH SCHEDULE FOR CEILING TYPE IN COMMON AREAS. COORDINATE FIXTURE TYPE AND MOUNTING WITH CEILING TYPE.

SEE LIGHT FIXTURE PROTECTION DETAIL ON 6/E2.2b AND TYPICAL FOR RECESSED LIGHT FIXTURES AND EXHAUST FANS IN FIRE RATED CEILINGS. MODIFY DETAIL AS NEEDED TO MATCH UNIT INSTALLED.

PENETRATIONS OF FIRE RATED CONSTRUCTION OR DRAFT STOP CONSTRUCTION TO BE INSTALLED AND PROTECTED AS REQUIRED BY LOCAL CODES AND BUILDING AUTHORITY. SEE ARCH. FOR REQUIREMENTS.

ELECTRICAL CONTRACTOR RESPONSIBLE FOR DETERMINING NUMBER AND SIZE OF CONDUCTORS, GROUND, AND NEUTRAL WIRES. SEE PANEL SCHEDULES FOR MIN. SIZES.

COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS WITH MECHANICAL DRAWINGS AND EQUIPMENT FURNISHED. VERIFY LOCATIONS, CHARACTERISTICS AND LOADS, AND ADJUST WIRE AND BREAKER SIZES AS NEEDED. CONNECT PERIPHERALS AND INTERLOCK WITH OTHER MECHANICAL EQUIPMENT AS SHOWN ON MECHANICAL DRAWINGS OR AS REQUIRED.

PROVIDE DUCT SMOKE (PHOTO TYPE) DETECTORS AT RETURN OF AIR HANDLING EQUIPMENT IF REQUIRED BY LOCAL CODE.

CONNECT DUCT SMOKE DETECTORS TO SHUT DOWN AIR HANDLING UNIT AND PROVIDE REMOTE RESET LIGHT/ALARM IN CORRIDOR WALL CLOSEST TO UNIT. CONNECT SMOKE DETECTOR OUTPUT TO FIRE ALARM PANEL.

CONNECT CORRIDOR NON-EMERGENCY LIGHTING THROUGH AUTOMATIC LIGHTING CONTROLLER LOCATED IN MECHANICAL ROOM.

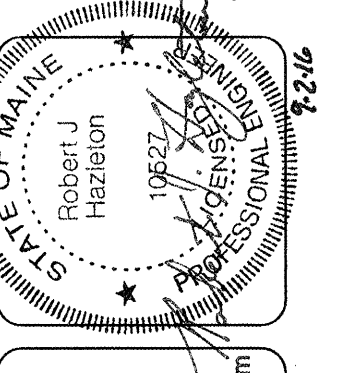
PROVIDE LINK SEAL LINK SLEEVES AT BUILDING ELECTRICAL PENETRATIONS IN FOUNDATION OR WHERE EXPOSED TO EARTH/ELEMENTS.

DO NOT USE HAMMERS OR BLUNT FORCE DEVICES TO "KNOCK-OUT" WIREWAYS IN BUILDING MATERIALS MAINTAIN NOT LESS THAN 18" FROM EDGE OF JOISTS. SEE DETAIL #1/E2.2b AND #14/E2.2b FOR ALLOWABLE BORING/NOTCHING OF MEMBERS. SEE ARCH FOR REQUIREMENTS.

CIRCUIT "E" DESIGNATED LIGHT AND RECEPTACLE FIXTURES TO EMERGENCY PANEL.

ELECTRICAL KEY NOTES:

- CONNECT 120 VOLT SINGLE PHASE WASHING MACHINE. PROVIDE ONE CIRCUIT FOR EACH MACHINE. (MOUNT 40" A.F.F.)
- CONNECT 120 VOLT SINGLE PHASE GAS CLOTHES DRYER. PROVIDE ONE CIRCUIT FOR EACH MACHINE. RUN 3/4" EMT FROM 1ST FLOOR LAUNDRY ROOM TO ATTIC FOR FUTURE DRYER BOOSTER FAN. (MOUNT 40" A.F.F.)
- ELECTRIC RANGE. PROVIDE NEMA 14-50R 50 AMP 120/208 VOLT SINGLE PHASE RANGE RECEPTACLE AT 6" A.F.F.
- ENTRY CANOPY EXIT LIGHTS. CONNECT TO EXTERIOR LIGHTING CONTROL. SEE DETAIL 3/E2.2b.
- PROVIDE A 30-AMPERE, 120-VOLT CIRCUIT WITH A NEMA 15-20R RECEPTACLE INSTALLED AT THE STANDPIPE RISER, SUPPLIED FROM THE EMERGENCY PANEL. THE WIRING SHALL BE IN METAL CONDUIT WITH APPROPRIATE GALVANIZED BOXES AND WITH WEATHERPROOF GASKETED FLAP-UP COVER. RECEPTACLE SHALL BE MOUNTED AS HIGH AS THE STANDPIPE AND WITHIN 2'. EACH OUTLET BOX MUST BE PAINTED "FIRE-ALARM RED" IN COLOR AND BE MARKED "ONLY FOR FIRE DEPARTMENT USE."
- PROVIDE TYPE "V" FIXTURE AND GFI RECEPTACLE IN ELEVATOR PIT. DO NOT CONNECT ON SAME CIRCUIT. MOUNT SWITCH IN PIT. MOUNT FIXTURES TO AVOID CAR.
- PROVIDE 20 AMP ELEVATOR CAB LIGHT FUSED DISCONNECT IN EQUIPMENT ROOM CIRCUIT TO EXTERIOR PARKING AREA. FUSE SIZE PER MANUFACTURER.
- TO EXTERIOR LIGHTING CONTROL. SEE SITE PLAN DRAWING(S) FOR LOCATIONS AND QUANTITIES.
- ELECTRICAL MAIN DISTRIBUTION PANEL. SEE ONE-LINE.
- DOMESTIC COLD WATER AND FIRE SPRINKLER SERVICE ENTRANCES FOR GROUNDING. COORDINATE WITH PLUMBING CONTRACTOR.
- EMERGENCY STANDBY ENGINE GENERATOR. SEE SPECIFICATIONS. SEE SITE (E1.0A.1) PLAN FOR LOCATION.
- AUTOMATIC TRANSFER SWITCH FURNISHED AS PART OF ENGINE GENERATOR PACKAGE. SEE SPECIFICATIONS FOR LOCATION AND WIRING.
- PROVIDE FUSED DISCONNECT ELEVATOR MODULE WITH INTEGRAL SHUNT-TRIP FOR ELEVATOR MACHINE. COORDINATE FUSE REQUIREMENTS WITH ELEVATOR MANUFACTURER. CONNECT TO FIRE ALARM AND REMOTE SHUNT-TRIP SWITCH. COOPER BUSMAN EATON ELEVATOR CONTROL SWITCH ES SERIES, OR APPROVED.
- TELEPHONE TERMINAL BOARD. SEE TELEPHONE SECTION OF SPECIFICATIONS. PROVIDE DOUBLE DUPLEX RECEPTACLE MOUNTED ON BACKBOARD AND TWO DEDICATED CIRCUITS AND #6 EQUIPMENT GROUND CONNECTED TO GROUND BUS AT MDP.
- TELEVISION TERMINAL BD. SEE TELEVISION SECTION OF SPECIFICATIONS. PROVIDE DOUBLE DUPLEX RECEPTACLE MOUNTED ON BACKBOARD AND TWO DEDICATED CIRCUITS AND #6 EQUIPMENT GROUND CONNECTED TO GROUND BUS AT MDP.
- IRRIGATION CONTROL PANEL. PROVIDE RECEPTACLE ON DEDICATED CIRCUIT. STUB OUT A 2" PVC CONDUIT TO EXTERIOR OF BUILDING. COORDINATE LOCATION AND REQUIREMENTS WITH IRRIGATION CONTRACTOR.
- POWER DOOR CONNECTED TO ATRIUM SMOKE CONTROL SYSTEM. SEE DETAIL 15/E2.2b AND SEQUENCE OF OPERATION ON E1.7P. SEE SPECIFICATION SECTION 15100 FOR ADDITIONAL WIRING REQUIREMENTS.
- INSTALL RECEPTACLE HORIZONTALLY.
- LOCATE FIXTURES IN ATTIC SPACE FOR EACH WING. MOUNT IN AREAS TO PROVIDE LIGHT FOR MAINTENANCE USE. PROVIDE PILOT LIGHT SWITCH AT EACH ACCESS INSIDE OF STAIR DOOR.
- PROVIDE WEATHERPROOF LIGHT FIXTURE AND WEATHERPROOF GFI RECEPTACLE WITHIN 10 FEET OF MECHANICAL EQUIPMENT. COORDINATE LOCATION WITH MECHANICAL.
- KITCHEN MAKE-UP AIR UNIT. ROUTE FAN POWER CONDUCTORS THROUGH SUPPLY VTDW#1 LOCATED IN ENERGY MANAGEMENT SYSTEM CONTROL PANEL LOCATION ON THE SIDE OF THE KITCHEN HOOD. PROVIDE ONE 3/4" CONDUIT FOR CONTROL WIRING FROM EMS CONTROL PANEL TO MAKE-UP AIR UNIT. PROVIDE TWO SETS OF 2-WIRE 16 AWG SHIELDED MULTI-CONDUCTOR CABLES BETWEEN MAKE-UP AND EMS PANEL. DO NOT ROUTE CONTROL CABLE ADJACENT TO HIGH POWER WIRING. COORDINATE WITH KITCHEN HOOD VENTILATION CONTROL CONSULTANT DRAWINGS H-3 AND H-4. ACTIVATION OF ANSUL SYSTEM SHALL SHUT DOWN MAU. FUSE SIZE PER MANUFACTURER.
- THRU-WALL HVAC UNIT. SEE MECHANICAL SPECIFICATION. FURNISHED BY OWNER. INSTALLED BY MECHANICAL CONTRACTOR. CONNECTED BY ELECTRICAL CONTRACTOR.
- GAS FIRED WATER HEATERS. CIRCUIT ELECTRICAL GAS WATER HEATER CONNECTIONS TO BACK-UP POWER PANEL.
- HOT WATER RECIRCULATING PUMPS. FRACTIONAL HORSEPOWER 120V SINGLE PHASE. CIRCUIT TO BACK-UP POWER PANEL.
- AC-1 PACKAGED ROOFTOP GAS PACK AIR CONDITIONING EQUIPMENT. SEE MECHANICAL EQUIPMENT SCHEDULE. SEE DETAIL 17/E2.2b.
- AC-2 GASPACK ROOFTOP GAS PACK AIR CONDITIONING EQUIPMENT. SEE MECHANICAL EQUIPMENT SCHEDULE. FUSE PER MANUFACTURER. SEE DETAIL 17/E2.2b.
- COORDINATE LIGHTING WITH EQUIPMENT. CHAIN OR SURFACE MOUNT.
- MOUNT LIGHTS, RECEPT. SWITCHES AND TIMERS ON WALL NEXT TO CATWALK.
- SF-2 SUPPLY FAN FOR COOLING AND HEATING CORRIDORS. SEE MECHANICAL EQUIPMENT SCHEDULE FOR DESCRIPTION. SEE DETAIL 17/E2.2b.
- 1/12 HP ATTIC FAN ON ROOF. PROVIDE INDIVIDUAL DISCONNECTS. MOUNT FAN CONTROL 12" BELOW ROOF SHEATHING ON WALL NEXT TO CATWALK. SEE DETAIL 8/E2.2b.
- QMARK MUX-03-81 RATED 3KW AT 208 VOLT 1 PHASE. SUSPENDED FROM CEILING. CONTROLLED BY REMOTE WALL THERMOSTAT.
- 30 AMP 2 POLE CIRCUIT FOR COMBO WASHER & DRYER UNIT.
- PROVIDE POWER FOR ELECTRIC FIRE PLACE PER MANUFACTURER REQUIREMENTS.
- LOCATION OF FUTURE DOOR (DO NOT CIRCUIT (WIRE) IN THIS LOCATION).
- NOT USED
- AREA OF RESCUE ASSISTANCE ANNUNCIATOR. CORNELL 4200 SERIES. WIRE PER MANUFACTURER REQUIREMENTS. NOT LESS THAN #12 AWG. COPPER FOR POWER. PROVIDE BATTERY BACKUP BY MANUFACTURER AND LOCATED IN CLOSET IN OFFICE151. SEE 15E1.1 LABEL ANNUNCIATOR PER AHJ REQUIREMENTS. SYSTEM PROVIDED BY OWNER.
- AREA OF RESCUE CALL STATION. CORNELL 4200 SERIES. CONNECT TO ANNUNCIATOR PANEL IN FOYER. PER MANUFACTURER REQUIREMENTS. SYSTEM PROVIDED BY OWNER.
- EMERGENCY CALL REMOTE HEAD END. VERIFY LOCATION AND ELECTRICAL REQUIREMENTS WITH GENERAL CONTRACTOR.
- SHUTDOWN KITCHEN EQUIPMENT AND RECEPTACLE POWER UNDER HOOD UPON ACTIVATION OF ANSUL SYSTEM. SEE KITCHEN DRAWINGS.
- GFI RECEPTACLE @ +48 FOR WATER SOFTENER. CONNECT TO DEDICATED 120V CIRCUIT. OWNER SUPPLIED WATER SOFTENER. CONTRACTOR TO INSTALL.
- FRACTIONAL HP FAN MOTOR, 120V. CONNECT TO SWITCHED LEG OF LIGHTING CIRCUIT.
- PROVIDE GFI BREAKER.
- KITCHEN WALK-IN FREEZER & COOLER CONDENSING UNITS. REFER TO KITCHEN PLANS.
- FIRE/SMOKE DAMPER CONNECTION. CIRCUIT TO BACK-UP POWER PANEL. SEE DETAIL 12/E2.2b. DO NOT CONNECT MORE THEN SEVEN FSYS TO EACH CIRCUIT.
- EMERGENCY CALL SYSTEM BACK BOARD. PROVIDE RECEPTACLE ON DEDICATED CIRCUIT.
- NOT USED
- BROAD MODEL 154 LOW PROFILE CEILING HEATER. 120 VOLT, 1,250 WATTS. WITH MODEL 69W LINE VOLTAGE THERMOSTAT
- PROVIDE UN-SWITCHED UNCONTROLLED HOT TO EXIT SIGNS, TYPICAL.
- WIRE ATTIC LIGHTS TO EMERGENCY CIRCUIT.
- PROVIDE #6 CU GROUND WIRE FOR P.A. SYSTEM TO BUILDING GROUND IN MECHANICAL ROOM.
- ELECTRIC DRYER-VERIFY ELEC. REQUIREMENTS.
- WIRE FOR FUTURE THRU-WALL PTAC UNIT TO REPLACE BASEBOARD IN "C" UNIT BEDROOMS. SEE DETAIL "C-UNIT, TYPICAL." ON ES-X SERIES. DO NOT CIRCUIT (WIRE) IN THIS LOCATION.
- PROVIDE EMERGENCY POWER SWITCH/DIMMER BYPASS RELAY. SEE DETAIL 5/E2.2b.
- PROVIDE SEPARATE BOX FOR EMERGENCY CIRCUIT.
- CONNECT VIA LIGHTING CONTROLLER. SEE DETAIL 3/E2.2b.
- SINGLE POINT POWER CONNECTION. PROVIDE CONNECTION TO EXTERIOR CONDENSING UNIT. SEE MECHANICAL.
- PROVIDE CONDUCTORS FOR BASEBOARD CONNECTIONS. INCLUDE REMOTE THERMOSTAT WIRING.
- ONLY HEAT AND FAN TO OPERATE WHEN EMERGENCY POWER IS IN OPERATION. PROVIDE DUAL CONNECTION TO UNIT. MECHANICAL UNIT MODIFICATIONS IS NOT ACCEPTABLE. SEE MECHANICAL.
- PROVIDE CF-1 CEILING FAN WITH SEPARATE SWITCH FOR FAN AND LIGHT. SEE ES SHEETS.



lenity
architecture

3150 Kettle Court SE, Salem, Oregon 97302
P: 503.399.1090 W: lenityarchitecture.com

COLSON AND COLSON
GENERAL CONTRACTOR, INC.

2280 McGLICHRIST STREET SE, SUITE 200
SALEM, OREGON, 97302
PHONE (503) 586-7401

PORTLAND
RETIREMENT RESIDENCE

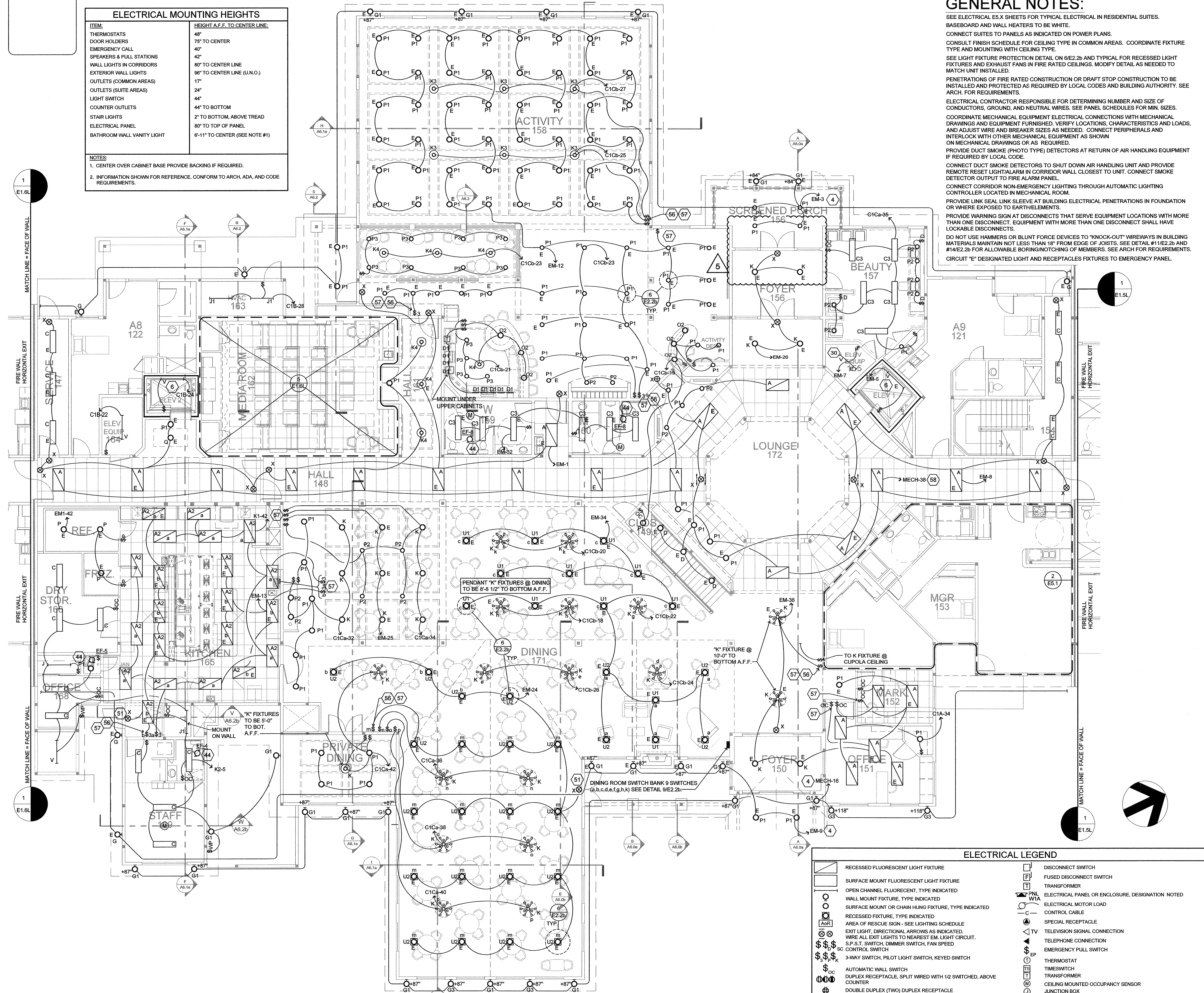
802 OCEAN AVE. PORTLAND, MAINE 04103

FIRST FLOOR
LIGHTING
CORE PLAN

DATE
8/28/2015

REVISED DATE
9/22/2015
2/2/2016
7/18/2016

SHEET
E1.1L



FIRST FLOOR - LIGHTING
SCALE: 1/8"=1'-0"

ELECTRICAL LEGEND	
[Symbol]	RECESSED FLUORESCENT LIGHT FIXTURE
[Symbol]	SURFACE MOUNT FLUORESCENT LIGHT FIXTURE
[Symbol]	OPEN CHANNEL FLUORESCENT, TYPE INDICATED
[Symbol]	WALL MOUNT FIXTURE, TYPE INDICATED
[Symbol]	SURFACE MOUNT OR CHAIN HUNG FIXTURE, TYPE INDICATED
[Symbol]	RECESSED FIXTURE, TYPE INDICATED
[Symbol]	AREA OF RESCUE SIGN - SEE LIGHTING SCHEDULE
[Symbol]	EXIT LIGHT, DIRECTIONAL ARROWS AS INDICATED.
[Symbol]	WIRE ALL EXIT LIGHTS TO NEAREST EM. LIGHT CIRCUIT.
[Symbol]	S.P.S.T. SWITCH, DIMMER SWITCH, FAN SPEED CONTROL SWITCH
[Symbol]	3-WAY SWITCH, PILOT LIGHT SWITCH, KEYED SWITCH
[Symbol]	AUTOMATIC WALL SWITCH
[Symbol]	DUPLEX RECEPTACLE, SPLIT WIRED WITH 1/2 SWITCHED, ABOVE COUNTER
[Symbol]	FLOOR BOX RECEPTACLE
[Symbol]	DOUBLE DUPLEX (TWO) DUPLEX RECEPTACLE
[Symbol]	208V, 1P RECEPTACLE - 20A EXCEPT WHEN NOTED
[Symbol]	THROUGH WALL PTAC UNIT. SEE MECHANICAL.
[Symbol]	DISCONNECT SWITCH
[Symbol]	FUSER DISCONNECT SWITCH
[Symbol]	TRANSFORMER
[Symbol]	ELECTRICAL PANEL OR ENCLOSURE, DESIGNATION NOTED
[Symbol]	ELECTRICAL MOTOR LOAD
[Symbol]	CONTROL CABLE
[Symbol]	SPECIAL RECEPTACLE
[Symbol]	TELEVISION SIGNAL CONNECTION
[Symbol]	TELEPHONE CONNECTION
[Symbol]	EMERGENCY PULL SWITCH
[Symbol]	THERMOSTAT
[Symbol]	TIMESWITCH
[Symbol]	TRANSFORMER
[Symbol]	CEILING MOUNTED OCCUPANCY SENSOR
[Symbol]	JUNCTION BOX
[Symbol]	"E" INDICATES WIRING TO EMERGENCY POWER. SEE SCHEDULE ON E2.1.
[Symbol]	WEATHER PROOF
[Symbol]	GFI
[Symbol]	CONVENIENCE OUTLET

DATE PLOTTED: 8/28/2015 11:13 AM USER: jhazleton PLOT: E:\Projects\2015\1501\1501_Plan\Lighting.dwg E1.1L