

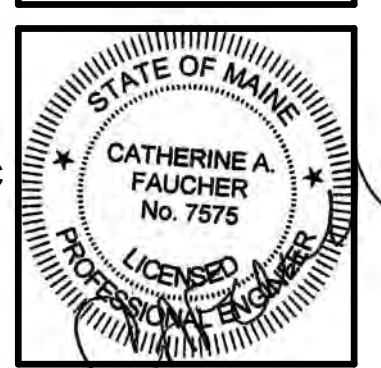


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ALLIED PROJECT No.:  
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**E.M.G. - PHASE 2 ADDITION & RENOVATION**  
 53 Sewall Street, Portland, ME 04102



PDT JOB NO.  
 12084

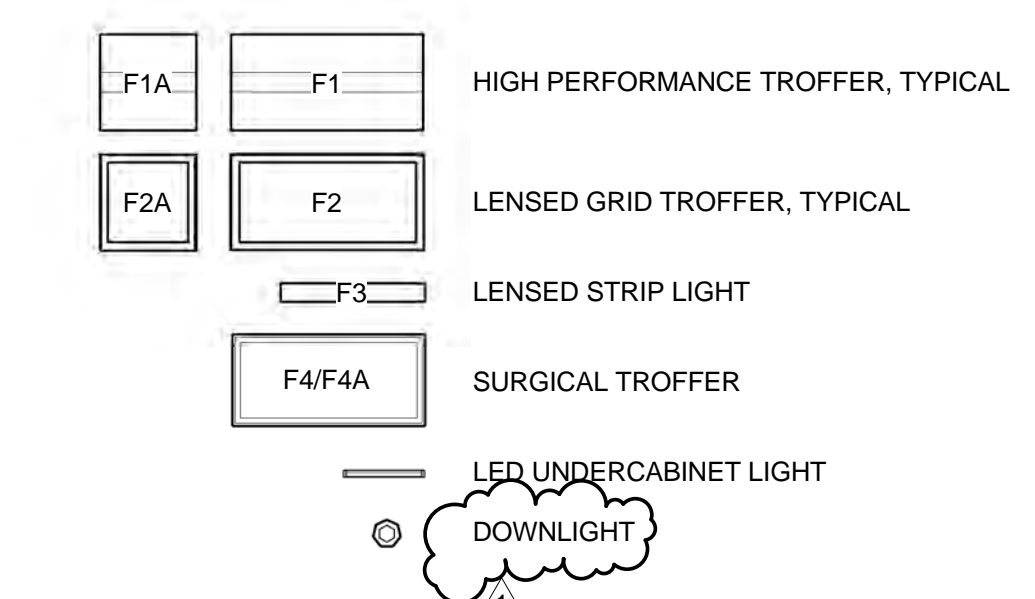
DRWN. CHK  
 SRM

SCALE:  
 As indicated

ISSUE: SITE AND  
 FOUNDATION  
 PACKAGE  
 JUNE 13, 2013

TITLE  
 ELECTRICAL  
 LEGENDS,  
 ABBREVIATIONS  
 AND GENERAL  
 NOTES

SHEET  
**E000**



**G7 SINGLE RECEPTACLES**

- 20A, 125V, 2P, 3W, NEMA 5-20R
- 20A, 125V, 2P, 3W, NEMA L5-20R (TWISTLOCK)
- 30A DRYER RECEPTACLE-250V, 2P, 3W, GROUNDING, NEMA 14-30R, (3)#10-(1)#10G TO 30A, 2P CIRCUIT BREAKER
- 30A, 250V, 2P, 3W, NEMA 6-30R
- 50A RANGE RECEPTACLE-250V, 2P, 3W, NEMA 14-50R, (3)#8+(1)#10 TO 40A, 2P CIRCUIT BREAKER

- NOTES:
- MOUNT RECEPTACLES WITH CENTERLINE 18" AFF UNO
  - MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24" AFF UNO

**G9 LUMINAIRES**

- HATCHING INDICATES FIXTURE CONNECTED TO GENERATOR - PROVIDE EMERGENCY SHUNT RELAY TO BYPASS SWITCHING
- EXIT SIGN, SELF-POWERED, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED
- EXIT SIGN, SELF-POWERED, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR

**D7 RECEPTACLES**

- DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
- DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX
- JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX
- EMPTY FLUSH FLOOR BOX
- DUPLEX RECEPTACLE, PEDESTAL MOUNTED
- SINGLE RECEPTACLE, PEDESTAL MOUNTED
- JUNCTION BOX, PEDESTAL MOUNTED
- DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
- DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
- DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
- DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING
- DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE
- JUNCTION BOX, FLUSH MOUNTED IN CEILING
- OVERHEAD RECEPTACLE DROP, DUPLEX
- OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX
- OVERHEAD RECEPTACLE DROP, GFCI
- OVERHEAD DATA DROP

**D9 EMERGENCY LIGHTING**

- CENTERLINE 48" AFF. UNO -
- LIGHT SWITCH, 20A, 125/277V, LETTER INDICATES SWITCHING
- THREE-WAY LIGHT SWITCH
- FOUR-WAY LIGHT SWITCH
- TWO-POLE SWITCH
- MOTOR OPERATED SWITCH
- MOTOR RATED SWITCH
- SINGLE POLE SWITCH WITH RED PILOT LIGHT - RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED
- MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING
- OCCUPANCY SENSOR SWITCH, WALL MOUNTED
- 2-BUTTON OCCUPANCY SENSOR SWITCH
- OCCUPANCY SENSOR, CEILING MOUNTED
- OCCUPANCY SENSOR, WALL MOUNTED
- INCANDESCENT DIMMER SWITCH
- FLUORESCENT DIMMER SWITCH
- HANDICAP SWITCHES FOR HOOD LIGHT AND FAN
- TIMER SWITCH, 60 MINUTES
- LIGHTING TIME CLOCK
- LIGHTING CONTACTOR
- LIGHTING CONTROL PANEL
- PHOTOCELL

**A7 FLOOR AND CEILING DEVICES**

**A9 LIGHT SWITCHES**

- PANELBOARD - SURFACE MOUNTED
- PANELBOARD - FLUSH MOUNTED
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- MOTOR STARTER
- COMBINATION MOTOR STARTER/FUSED DISCONNECT
- MOTOR
- METER AND CABINET
- JUNCTION BOX - CEILING MOUNTED
- JUNCTION BOX - WALL MOUNTED
- JUNCTION BOX FOR OR CLOCK POWER
- TRANSFORMER - NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE
- VARIABLE FREQUENCY DRIVE
- TRANSIENT VOLTAGE SURGE SUPPRESSOR
- EMERGENCY SHUTOFF SWITCH - WALL MOUNTED 48" TO CENTERLINE - PROVIDE TAMPER-PROOF COVER
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- WIRING UNDERGROUND OR UNDERSLAB
- HOMERUN TO PANEL FOR OUTLETS CONNECTED TO DEDICATED 20A BRANCH CIRCUIT - (2)#12+(1)#12G UNO
- SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- L-20A, 1P INDICATES 20A, 1P LOCKING CIRCUIT BREAKER
- FLEXIBLE CONNECTION
- GROUNDING SYSTEM
- MOTORIZED DOOR OPERATOR AND PUSH PADDLE - FURNISHED BY DIVISION 08, WIRED BY DIVISION 26
- DOORBELL PUSHBUTTON
- DOORBELL CHIME
- SYSTEMS FURNITURE WHIP
- PATIENT GROUNDING MODULE

**D5 POWER DISTRIBUTION**

- BRANCH CIRCUIT WIRING NOT SHOWN. CIRCUITING SHALL BE FROM EXISTING BRANCH-CIRCUIT PANELS AND IN ACCORDANCE WITH APPLICABLE CODES AND STANDARD PRACTICE. PROVIDE A 20A, 1P CIRCUIT BREAKER FOR EACH LIGHTING AND RECEPTACLE CIRCUIT UNLESS OTHERWISE INDICATED OR NOTED. CONNECT NO MORE THAN SIX DUPLEX CONVENIENCE RECEPTACLES PER BRANCH CIRCUIT. CONNECTED LOAD ON LIGHTING CIRCUITS SHALL NOT EXCEED 12 AMPS. EXAM ROOM LIGHTING SHALL BE CONNECTED TO A BRANCH CIRCUIT PANEL THAT IS BACKED UP BY THE FACILITY'S ON-SITE GENERATOR.
- DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF THIS PROJECT. WHERE ELECTRICAL ITEMS ARE REMOVED, REMOVE CONDUIT AND WIRING BACK TO SOURCE, UNLESS DIRECTED OTHERWISE BY OWNER. TAG SPARE CONDUITS AND CONDUCTORS TO IDENTIFY SOURCE.
- DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET STRUCTURAL/ARCHITECTURAL REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
- ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
- COORDINATE WORK WITH OTHER DIVISIONS. VERIFY EXACT POWER REQUIREMENTS OF MECHANICAL EQUIPMENT WITH DIVISION 23. POWER WIRING FOR EQUIPMENT & CONTROL SHALL BE PERFORMED BY DIVISION 26. CONTROL WIRING BY DIVISION 23.

**A5 GENERAL NOTES**

- FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
- FIRE ALARM ANNUCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
- SMOKE DETECTOR
- SMOKE DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL
- SINGLE STATION SMOKE DETECTOR WITH AUDIBLE INDICATING APPLIANCE, WALL MOUNTED
- SINGLE STATION SMOKE DETECTOR WITH AUDIBLE/VISUAL INDICATING APPLIANCE
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- REMOTE TEST/INDICATOR FOR DUCT SMOKES, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS
- MANUAL PULL STATION, MOUNT 48" AFF
- HORN/STROBE, CANDELA AS NOTED ON PLANS
- STROBE ONLY INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS
- STROBE, 15 CANDELA, 120V, CONNECT TO OPERATE UPON ACTIVATION OF ROOM SMOKE DETECTOR
- SPEAKER/STROBE, CANDELA AS NOTED ON PLANS
- MINI HORN
- HORN/STROBE WITH PULL STATION DIRECTLY BELOW
- MAGNETIC DOOR HOLD OPEN DEVICE
- TRANSFORMER
- SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM CHECK VALVE PRESSURE SWITCH, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26
- KNOX BOX, MOUNT 60" AFF
- FA GONG
- SMOKE DAMPER

**D3 FIRE ALARM SYSTEM**

- INTERCOM STATION
  - NURSE CALL PATIENT STATION, PROVIDE EMPTY CONDUITS FOR USE BY OWNER'S NURSE CALL VENDOR. COORDINATE WITH OWNER.
  - NURSE CALL DOME LIGHT, PROVIDE EMPTY CONDUITS FOR USE BY OWNER'S NURSE CALL VENDOR. COORDINATE WITH OWNER.
  - PAGING SPEAKER
  - MUSIC SPEAKER
  - VOLUME CONTROL
  - TELEPHONE WALL OUTLET, 44" AFF UNO
  - TELEPHONE OUTLET FOR ELEVATOR CONNECTION
  - TELEPHONE OUTLET, 18" AFF UNO
  - TEL/DATA OUTLET, 18" AFF UNO
  - DATA OUTLET, 18" AFF UNO
  - WIRELESS ACCESS POINT CEILING MOUNTED
  - WIRELESS ACCESS POINT WALL MOUNTED
  - EXPEDITOR SYSTEM BOX TYPE A
  - EXPEDITOR SYSTEM BOX TYPE B
  - TEL/DATA OUTLET, MOUNT IN FLUSH FLOOR BOX
- PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED
  - PROVIDE CONDUIT TO NEAREST ACCESSIBLE CORRIDOR CEILING - 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.
  - PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED

**A3 TECHNOLOGY**

**NOTE**  
 SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN

- CLOCK
- LARGE CLOCK
- SPEAKER, CEILING MOUNTED
- SPEAKER, WALL MOUNTED
- SPEAKER, HIGH OUTPUT, CEILING MOUNTED
- LARGE SPEAKER
- INTERCOM

NOTE: DIVISION 26 SHALL WIRE AND CONNECT 120 VOLT WIRING FOR THE CLOCKS IN EACH AREA TO CIRCUIT INDICATED. PROVIDE (2)#12+(1)#12G. PROVIDE TRANSFORMERS AS REQUIRED. LOW VOLTAGE AND SYSTEM WIRING BY DIVISION 27.

**F1 CLOCKS AND SPEAKERS (PA)**

- ABOVE FINISHED FLOOR (E) EXISTING ITEM TO REMAIN
- ABOVE FINISHED GRADE (R) REMOVE ITEM AND DISPOSE OF PROPERLY
- BUILDING AUTOMATION SYSTEM (ER) RELOCATED ITEM AT NEW LOCATION
- BACKBOARD
- CIRCUIT BREAKER (RL) REMOVE AND RELOCATE
- TELEPHONE
- MOUNT
- NATIONAL ELECTRICAL CODE
- PART OF
- WIREGUARD
- WEATHERPROOF
- UNDERCOUNTER REFRIGERATOR
- UNLESS NOTED OTHERWISE
- TRANSFORMER

**D1 ABBREVIATIONS**

- SECURITY PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
- ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF
- KEYPAD, MOUNT 48" AFF
- MOTION SENSOR, PASSIVE INFRARED (PIR), WALL MOUNTED 96" AFF
- MOTION SENSOR, PASSIVE INFRARED (PIR), CEILING MOUNTED
- MOTION SENSOR, MICROWAVE, WALL MOUNTED
- MOTION SENSOR, MICROWAVE, CEILING MOUNTED
- MOTION SENSOR, DUAL TECHNOLOGY, PIR/MICROWAVE, WALL MOUNTED
- MOTION SENSOR, DUAL TECHNOLOGY, PIR/MICROWAVE, CEILING MOUNTED
- CAMERA
- CARD ACCESS
- DOOR CONTACT
- MAGNETIC DOOR LOCK
- DOOR RELEASE BUTTON
- DOOR SWITCH
- BELL
- STROBE
- HORN
- TRANSFORMER

**A1 SECURITY SYSTEM**

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