A1 ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERES INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BKBD	BACKBOARD
C	CONDUIT
CAT	CATALOG, CATEGORY
CATV	CABLE TV
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CM	CIRCULAR MILS
COMM	COMMUNICATIONS
CU	MECH CONDENSING UNIT
CU	COPPER
CUH	CABINET UNIT HEATER
DDC	DIGITAL DIRECT CONTROL
DN	DOWN
DW	DISHWASHER
DWG	DRAWING
EF	EXHAUST FAN
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF
ERU	ENERGY RECOVERY UNIT
EWC	ELECTRIC WATER COOLER
FACP	FIRE ALARM CONTROL PANEL
FB	FLOOR BOX
FLA	FULL LOAD AMPS
FWE	FURNISHED WITH EQUIPMENT
G, GND	GROUND
GD	GARBAGE DISPOSAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO SELECTOR SWITCH
HP	HORSEPOWER
HVAC	HEATING, VENTILATION AND COOLING UNIT
IDS	INTRUSION DETECTION SYSTEM
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
IR	INFRARED
K	KILO
KCMIL	KILO CIRCULAR MILS
KW	KILOWATT
KVA	KILO VOLT-AMPS
LAN	LOCAL AREA NETWORK
LC	LIGHTING CONTACTOR
LF	LINEAR FEET
LC	LOADCENTER
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MH	MOUNTING HEIGHT
MICRO	MICROWAVE
MLO	MAIN LUG ONLY
MT	MOUNT
MTS	MANUAL TRANSFER SWITCH
MCP	MOTOR CONTROL PANEL
MH	METAL HALIDE
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NF	NON-FUSED
NO	NORMALLY OPEN
NO., #	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OCC	OCCUPANCY
OH	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PH,	PHASE
PIR	PASSIVE INFRARED
PNL	PANELBOARD
P/O	PART OF
PV	PHOTOVOLTAIC
PVC	POLY-VINYL CHLORIDE
REC, RECEPT	RECEPTACLE
REF	REFRIGERATOR
RF	RETURN FAN
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMC	RIGID METAL CONDUIT
RTU	ROOFTOP UNIT
REF	REFRIGERATOR
SF	SUPPLY FAN
SPDT	SINGLE POLE, DOUBLE T HROW
SQ	SQUARE
TEL	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UF	UNDER FLOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
WG	WIREGUARD
XFMR	TRANSFORMER
(E)	EXISTING ITEM TO REMAIN
(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
(ER)	RELOCATED ITEM AT NEW LOCATION
(RL)	REMOVE AND RELOCATE

A3 TECHNOLOGY

AR — AREA OF RESCUE ASSISTANCE CALL STATION MOUNTED AT 36" AFF

AS — AREA OF RESCUE ASSISTANCE SIGN MOUNTED ABOVE PUSH BUTTON STATION AT 84"

AM — AREA OF RESCUE ASSISTANCE MASTER STATION MOUNTED 36" AFF

EC — EMERGENCY CALL STATION

H3 MISCELLANEOUS

20A, 125V, 2P, 3W, NEMA 5-20R

20A, 125V, 2P, 3W, NEMA L5-20R (TWISTLOCK)

30A DRYER RECEPTACLE ~ 125/250V, 3P, 4W, GROUNDING, NEMA 14-30R, (3)#10+(1)#10G TO 30A, 2P CIRCUIT BREAKER

30A, 250V, 2P, 3W, NEMA 6-30R

50A RANGE RECEPTACLE ~ 125/250V, 3P, 4W, GROUNDING, NEMA 14-50R, (3)#6+(1)#10 TO 50A, 2P CIRCUIT BREAKER

NOTE:

PROVIDE MATCHING CORD AND PLUG FOR SINGLE RECEPTACLES

F3 SINGLE RECEPTACLES

LIGHT FIXTURE, RECESSED TROFFER, TYPICAL

RECESSED DOWNLIGHT

RECESSED WALL WASHER DOWNLIGHT

WALL MOUNTED LIGHT FIXTURE

CEILING SURFACE MOUNTED LIGHT FIXTURE

PENDANT MOUNTED LIGHT FIXTURE

LINEAR LIGHT FIXTURE, CEILING SURFACE MOUNTED

LINEAR LIGHT FIXTURE, PENDANT MOUNTED

LINEAR LIGHT FIXTURE, WALL MOUNTED

UNDERCOUNTER LIGHT

NOTE TYPICAL FOR ALL LUMINAIRES:

F1 a — INDICATES LIGHT FIXTURE TYPE ON LUMINAIRE SCHEDULE; LOWER CASE LETTER INDICATES SWITCHING

D3 LUMINAIRES

IC — INTERCOM STATION

N — NURSE CALL PATIENT STATION, PROVIDE EMPTY CONDUITS FOR USE BY OWNER'S NURSE CALL VENDOR. COORDINATE WITH OWNER.

L — NURSE CALL DOME LIGHT, PROVIDE EMPTY CONDUITS FOR USE BY OWNER'S NURSE CALL VENDOR. COORDINATE WITH OWNER.

SP — PAGING SPEAKER

SM — MUSIC SPEAKER

V — VOLUME CONTROL

W — TELEPHONE WALL OUTLET, 44" AFF UNO

E — TELEPHONE OUTLET FOR ELEVATOR CONNECTION

FF — FIREFIGHTERS TELEPHONE

TELEPHONE OUTLET, 18" AFF UNO

TEL/DATA OUTLET, 18" AFF UNO

DATA OUTLET, 18" AFF UNO

WA — WIRELESS ACCESS POINT CEILING MOUNTED

WA — WIRELESS ACCESS POINT WALL MOUNTED

TV — CATV OUTLET

1. PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED
2. IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING ~ 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.
3. PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED

A5 GENERAL NOTES

1. BRANCH CIRCUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL ITEMS TO CIRCUITS INDICATED.
2. 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.
3. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
4. 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.
5. ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
6. 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.

F5 RECEPTACLES

DUPLEX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R

DOUBLE DUPLEX RECEPTACLE

DUPLEX RECEPTACLE CONNECTED TO XXX

GFCI DUPLEX RECEPTACLE, MOUNT 44" AFF UNO

GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 44" AFF UNO

WP — GFCI RECEPTACLE WITH WEATHERPROOF COVER

WP — GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF

MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO, MOUNT 44" AFF UNO

EWC — GFCI RECEPTACLE FOR ELECTRIC WATER COOLER, COORDINATE LOCATION WITH WATER COOLER MANUFACTURER

NOTES:

1. MOUNT RECEPTACLES WITH CENTERLINE 18"AFF UNO
2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24"AFG UNO

D5 EMERGENCY LIGHTING

HATCHING INDICATES FIXTURE WITH ONE LAMP ON EMERGENCY SYSTEM

EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED, CONNECT TO EMERGENCY SYSTE4 LIGHTING CIRCUIT SERVING LOCAL AREA

EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, CONNECT TO EMERGENCY SYSTE4 LIGHTING CIRCUIT SERVING LOCAL AREA

EM — INDICATES EMERGENCY FIXTURE ON FIXTURES TOO SMALL TO HATCH

NOTE

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

A7 FLOOR AND CEILING DEVICES

F — DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX

F — DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX

F J — JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX

F E — EMPTY FLUSH FLOOR BOX

P — DUPLEX RECEPTACLE, PEDESTAL MOUNTED

P — SINGLE RECEPTACLE, PEDESTAL MOUNTED

P J — JUNCTION BOX, PEDESTAL MOUNTED

C — DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING

C — DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING

C — DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING

C — DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING

C D — DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE

C J — JUNCTION BOX, FLUSH MOUNTED IN CEILING

OVERHEAD RECEPTACLE DROP, DUPLEX

OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX

OVERHEAD RECEPTACLE DROP, GFCI

D — OVERHEAD DATA DROP

D7 FIRE ALARM SYSTEM

FACP — FIRE ALARM CONTROL PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72"AFF

FAA — FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72"AFF

S — SMOKE DETECTOR

S E — SMOKE DETECTOR, "E" INDICATES CONNECTION FOR ELEVATOR RECALL

SS S — SINGLE STATION SMOKE DETECTOR WITH AUDIBLE INDICATING APPLIANCE, WALL MOUNTED

AV S SS — SINGLE STATION SMOKE DETECTOR WITH AUDIBLE/VISUAL INDICATING APPLIANCE

H — HEAT DETECTOR

D — DUCT SMOKE DETECTOR

RTS — REMOTE TEST/INDICATOR FOR DUCT SMOKES, MOUNT ON CEILING BENEATH UNIT, OR WALL MOUNT WHERE INDICATED ON PLANS

F — MANUAL PULL STATION, MOUNT 48" AFF

30 F — HORN/STROBE, CANDELA AS NOTED ON PLANS

15 F — STROBE ONLY INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS

R F — STROBE, 15 CANDELA, 120V, CONNECT TO OPERATE UPON ACTIVATION OF ROOM SMOKE DETECTOR

30 S — SPEAKER/STROBE, CANDELA AS NOTED ON PLANS

M — MINI HORN

30 F F — HORN/STROBE WITH PULL STATION DIRECTLY BELOW

DH — MAGNETIC DOOR HOLD OPEN DEVICE

T — TRANSFORMER

F — SPRINKLER SYSTEM WATER FLOW SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26

T — SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED UNDER DIVISION 26

C — SPRINKLER SYSTEM CHECK VALVE PRESSURE SWITCH, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26

P — SPRINKLER SYSTEM EXCESS PRESSURE PUMP, FURNISHED AND INSTALLED UNDER DIVISION 23, WIRED UNDER DIVISION 26

K — KNOX BOX, MOUNT 60" AFF

SD — SMOKE DAMPER

D9 POWER DISTRIBUTION

PANELBOARD, SURFACE MOUNTED

PANELBOARD, FLUSH MOUNTED

FUSED DISCONNECT SWITCH

NON-FUSED DISCONNECT SWITCH

MOTOR STARTER

COMBINATION MOTOR STARTER/FUSED DISCONNECT

PUMP, MECHANICAL EQUIPMENT

MOTOR OR FAN

M — METER AND CABINET

J — JUNCTION BOX ~ CEILING MOUNTED

J — JUNCTION BOX ~ WALL MOUNTED

C — JUNCTION BOX FOR CLOCK POWER

H — JUNCTION BOX MOUNTED AT 32" FOR HAND DRYER

T# — TRANSFORMER ~ NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE

VFD — VARIABLE FREQUENCY DRIVE

TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR

E — EMERGENCY SHUTOFF SWITCH ~ WALL MOUNTED 48" TO CENTERLINE ~ PROVIDE TAMPER-PROOF COVER

CONDUIT TURNING UP

CONDUIT TURNING DOWN

WIRING UNDERGROUND OR UNDERSLAB

HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT COMPUTER AND LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)

SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT

3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT

FLEXIBLE CONNECTION

GROUNDING SYSTEM

P — MOTORIZED DOOR OPERATOR AND PUSH PADDLE ~ FURNISHED BY DIVISION 08, WIRED BY DIVISION 26

DOORBELL PUSHBUTTON

C — DOORBELL CHIME

T — TELEPHONE/FUTURE WHIP

CO — CARBON MONOXIDE DETECTOR

~ CENTERLINE 48" AFF, UNO ~

$a — LIGHT SWITCH, 20A,125/277V, LETTER INDICATES SWITCHING

$ — THREE-WAY LIGHT SWITCH

$4 — FOUR-WAY LIGHT SWITCH

$2 — TWO-POLE SWITCH

$K — KEY OPERATED SWITCH

$M — MOTOR RATED SWITCH

$P — SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED

$a $b — MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING

$OS — OCCUPANCY SENSOR SWITCH, WALL MOUNTED

$OS2 — 2-BUTTON OCCUPANCY SENSOR SWITCH

OS — OCCUPANCY SENSOR, CEILING MOUNTED

OS — OCCUPANCY SENSOR, WALL MOUNTED

$D — DIMMER SWITCH, COORDINATE DIMMING TECHNOLOGY WITH DIMMED LOAD IN EACH AREA

$LV — LOW VOLTAGE SWITCH, MOMENTARY CONTACT

$LV2 — 2-BUTTON LOW VOLTAGE SWITCH

$LV4 — 4-BUTTON LOW VOLTAGE SWITCH

$LVD — LOW VOLTAGE DIMMER SWITCH

$HC — HANDICAP SWITCHES FOR HOOD LIGHT AND FAN

$T — TIMER SWITCH, 60 MINUTES

LTC — LIGHTING TIME CLOCK

LC — LIGHTING CONTACTOR

LCP — LIGHTING CONTROL PANEL

PC — PHOTOCELL

A9 LIGHT SWITCHES

LAVALLEE|BRENSINGI

155 Dow Street, Suite 400, Mar
92 Montvale Ave., Suite 2150, S
NH: 603.622.5450 MA: 781.46

Reviewed for Code Compliance Inspectional Services Division Approved with Conditions Date: 02/09/16

Allied Engineering
Structural Mechanical Electrical Commissioning

160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

The Park Danforth

777 Stevens Ave, Portland, ME, 04103

NO.	DESCRIPTION	DATE
1	Addendum No 2	2015-06-25

N

CONTENT:

ELECTRICAL LEGENDS, ABBREVIATIONS AND GENERAL NOTES

DRAWN BY:	DLL
PROJECT NO:	-
DATE:	06/05/2015
REVISED:	
SCALE:	AS NOTED

E0.1

Project Phase

100% CONSTRUCTION DOCUMENTS

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