ABBREVIATIONS

A
A AMPERE
AF AMPERE FRAME (CIRCUIT BREAKER RATING)
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AHU AIR HANDLING UNIT
AIC AMPERE INTERRUPTING CAPACITY
AL ALUMINUM
AM AMMETER
AUTO AUTOMATIC
ANN ANNUNCIATOR
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH ARCHITECTURAL
AS AMMETER SELECTOR
AT AMPERE TRIP
ATC AUTOMATIC TEMPERATURE CONTROL
ATS AUTOMATIC TRANSFER SWITCH
AWG AMERICAN WIRE GAUGE

B
BAS BUILDING AUTOMATION SYSTEM
BD BOARD
BKBD BACKBOARD
BKR CIRCUIT BREAKER
BLDG BUILDING
BWE BAKED WHITE ENAMEL

C
C CONDUIT
CAB CABINET
CAT CATALOG
C.B. CIRCUIT BREAKER
CH CABINET HEATER
CIR CIRCUIT
CKT CIRCUIT
CLG CEILING
COL COLUMN
CNTL CONTROLLER
COM COMMUNICATION
COMB COMBINATION
CON CONNECTION
CRIT CRITICAL
CS CONTROL SWITCH
CT CABLE TRAY/CURRENT TRANSFORMER
CU COPPER

D
D DEMAND
DIA DIAMETER
DWG DWG

E
E WIRED ON EMERGENCY CIRCUIT
EA EACH
EC EMPTY CONDUIT
EF EXHAUST FAN
ELEC ELECTRICAL
ELEV ELEVATOR
EM EMERGENCY
EMT ELECTRICAL METALLIC TUBING
EO ELECTRICALLY OPERATED
EQUIP EQUIPMENT
EX EXAM LIGHT
EXH EXHAUST
EXP EXPLOSION PROOF

F
F FLUSH
FA FIRE ALARM
FC FAN COIL UNIT
FDR FEEDER
FI FILM ILLUMINATOR
FLUOR FLUORESCENT
FPU FIELD PROCESSING UNIT
FS FUSED SWITCH
FT FEET

G
G GROUND
GA GAUGE
GEN GENERATOR
GF GROUND FAULT
GFCI GROUND FAULT CIRCUIT INTERRUPTING
GFI GROUND FAULT INTERRUPTING
GND GROUND

H
HH HANDHOLE
HID HIGH INTESITY DISCHARGE
HOA HAND OFF AUTO
HP HORSEPOWER
HTR HEATER

I
IC INTERRUPTING CAPACITY
INC INCANDESCENT

J
JB JUNCTION BOX

K
KCMIL ONE THOUSAND CIRCULAR MILS
KV KILOVOLT
KVA KILOVOLT AMPERE
KVAR KILOVOLT AMPERE REACTIVE
KW KILOWATT
KWH KILOWATT HOUR

L
LA LIGHTNING ARRESTER
LS LIFE SAFETY
LTG LIGHTING

M
MAX MAXIMUM
MCB MAIN CIRCUIT BREAKER
MCC MOTOR CONTROL CENTER
MCP MOTOR CIRCUIT PROTECTOR
MDP MAIN DISTRIBUTION PANEL
MECH MECHANICAL
MFS MAIN FUSED SWITCH
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
ML MATCH LINE
MLO MAIN LUGS ONLY
MTD MOUNTED
MTS MANUAL TRANSFER SWITCH
MV MEDIUM VOLTAGE

N
NA NOT APPLICABLE
NC NORMALLY CLOSED
NEC NATIONAL ELECTRIC CODE
NEMA NATIONAL ELECTRIC MANUFACTURES ASSOCIATION
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
NIC NOT IN CONTRACT
NL NIGHTLIGHT
NM NURSE MASTER
NO NORMALLY OPEN
NTS NOT TO SCALE

O
OCP OVERCURRENT PROTECTION DEVICE
OPER OPERATOR

P
P POLE
PT POTENTIAL TRANSFORMER
PVC POLYVINYL CHLORIDE

R
R RISERS
RGS RIGID GALVANIZED STEEL

S
S SURFACE
SCR SHORT CIRCUIT INTERRUPTING RATING
SP SPARE
SW SWITCH

T
TEL TELEPHONE

U
UG UNDERGROUND
UNO UNLESS NOTED OTHERWISE

V
V VOLT

W
W WATT
WP WEATHERPROOF

X
XFMR TRANSFORMER

Y
Y WYE

ELECTRICAL LEGEND

CONVENIENCE OUTLET (HOSPITAL GRADE) – REFER TO ARCHITECTURAL ELEVATIONS

- 12 — STANDARD RECEPTACLE DESIGNATION: "12" INDICATES BRANCH CIRCUIT NUMBER
- NEMA 5-20R DUPLEX RECEPTACLE (NORMAL CIRCUIT)
- NEMA 5-20R DUPLEX RECEPTACLE (EMERGENCY CRITICAL CIRCUIT)
- W — NEMA 5-20R DUPLEX RECEPTACLE – 9" BELOW FINISHED CEILING – U.N.O.
- T — NEMA 5-20R DUPLEX RECEPTACLE – TAMPER PROOF
- NEMA 5-20R DUPLEX RECEPTACLE – GROUND FAULT INTERRUPTING
- NEMA 5-20R DUPLEX RECEPTACLE – GROUND FAULT INTERRUPTING (EMERGENCY CRITICAL CIRCUIT)
- C — NEMA 5-20R DUPLEX RECEPTACLE – MOUNTED 6" ABOVE COUNTER BACKSPLASH – U.N.O.
- WP — NEMA 5-20R DUPLEX RECEPTACLE – WEATHERPROOF
- ISO — NEMA 5-20R DUPLEX RECEPTACLE – ISOLATED GROUND
- NEMA 5-20R DOUBLE DUPLEX RECEPTACLE (NORMAL CIRCUIT)
- NEMA 5-20R DOUBLE DUPLEX RECEPTACLE (EMERGENCY CRITICAL CIRCUIT)
- NEMA 5-20R SINGLE RECEPTACLE
- NEMA L5-20R TWIST LOCK SINGLE RECEPTACLE (NORMAL CIRCUIT)
- NEMA L5-20R TWIST LOCK SINGLE RECEPTACLE (EMERGENCY CRITICAL CIRCUIT)
- SPECIAL PURPOSE WIRING DEVICE, NEMA CONFIGURATION AS INDICATED
- FLUSH FLOOR BOX ASSEMBLY WITH INDICATED DEVICE
- FLUSH FLOOR BOX ASSEMBLY WITH INDICATED DEVICE (EMERGENCY CRITICAL CIRCUIT)
- PP — POWER POLE
- SURFACE METAL RACEWAY WITH DEVICES INDICATED ON PLAN
- MULTI-OUTLET ASSEMBLY

MISCELLANEOUS

- LIGHTING AND/OR POWER PANELBOARD
- EXISTING LIGHTING AND/OR POWER PANELBOARD
- JUNCTION BOX
- LGA — LOCAL GAS ALARM PANEL CONNECTION
- MGA — MASTER GAS ALARM PANEL CONNECTION
- FI — FILM ILLUMINATOR CONNECTION
- FLOOR JUNCTION BOX
- G 3 — GROUND JACK – NUMBER INDICATES QUANITY
- MOTOR CONNECTION
- DISCONNECT SWITCH – FUSED
- DISCONNECT SWITCH – UNFUSED
- P — PULL BOX
- T — DRY-TYPE TRANSFORMER
- MOTOR STARTER AND/OR CONTROL SWITCH
- COMBINATION DISCONNECT SWITCH AND MOTOR STARTER WITH PILOT WITH HAND-OFF-AUTO SELECTOR SWITCH
- CB — ENCLOSED SEPARATELY MOUNTED CIRCUIT BREAKER
- EGA — REMOTE GENERATOR ANNUNCIATOR PANEL
- TC — TIME CLOCK
- R — EMERGENCY SUPERVISORY RELAY
- LC — LIGHTING CONTACTOR (i.e. ASCO 917)

CONDUIT RUNS

- LGE-1,3 — HOMERUN TO PANELBOARD "LGE" CIRCUIT NO.'S 1 AND 3 SLASH LINES INDICATE NO. OF CONDUCTORS; NO SLASH LINES INDICATE (2) CONDUCTORS. REQUIRED GROUND CONDUCTORS ARE NOT INDICATED. MINIMUM SIZE NO. 12AWG AND 3/4" CONDUIT UNLESS OTHERWISE INDICATED
- TURNING UP
- TURNING DOWN
- XM — EXISTING BRANCH CIRCUIT WIRING TO BE MAINTAINED
- XM — EXISTING BRANCH CIRCUIT HOMERUN TO BE MAINTAINED

LIGHTING FIXTURE AND OUTLET BOX – LETTER REFERS TO FIXTURE SCHEDULE

- FR / 8 / b — STANDARD LIGHTING FIXTURE DESIGNATION: "FR" INDICATES LIGHTING FIXTURE TYPE (REFER TO LIGHTING FIXTURE SCHEDULE); "8" INDICATES BRANCH CIRCUIT NUMBER; "b" INDICATES SWITCH CONTROL
- FLUORESCENT LIGHTING FIXTURE (NORMAL CIRCUIT)
- FLUORESCENT LIGHTING FIXTURE (EMERGENCY LIFE SAFETY CIRCUIT)
- FLUORESCENT LIGHTING FIXTURE (EMERGENCY CRITICAL CIRCUIT)
- RECESSED LIGHTING FIXTURE (NORMAL CIRCUIT)
- RECESSED LIGHTING FIXTURE (EMERGENCY LIFE SAFETY CIRCUIT)
- RECESSED LIGHTING FIXTURE (EMERGENCY CRITICAL CIRCUIT)
- WALL MOUNTED (BRACKET OR FLUSH) LIGHTING FIXTURE (NORMAL CIRCUIT)
- WALL MOUNTED (BRACKET OR FLUSH) LIGHTING FIXTURE (EMERGENCY LIFE SAFETY CIRCUIT)
- WALL MOUNTED (BRACKET OR FLUSH) LIGHTING FIXTURE (EMERGENCY CRITICAL CIRCUIT)
- EXIT SIGN – CEILING MOUNTED – REFER TO PLANS FOR DIRECTIONAL ARROWS
- EXIT SIGN – WALL MOUNTED – REFER TO PLANS FOR DIRECTIONAL ARROWS
- EMERGENCY LIGHTING BATTERY UNIT
- EMERGENCY REMOTE LIGHTING HEAD
- LIGHTING BOLLARD

TUMBLER SWITCHES

- S — 20 AMPERE 120/277 VOLT, SINGLE POLE SWITCH – LETTER INDICATES SWITCHING ARRANGEMENT
- S2a — 20 AMPERE 120/277 VOLT, TWO POLE SWITCH – LETTER INDICATES SWITCHING ARRANGEMENT
- S3a — 20 AMPERE 120/277 VOLT, THREE POLE SWITCH – LETTER INDICATES SWITCHING ARRANGEMENT
- S4a — 20 AMPERE 120/277 VOLT, FOUR POLE SWITCH – LETTER INDICATES SWITCHING ARRANGEMENT
- SK — 20 AMPERE 120/277 VOLT, SINGLE POLE KEY SWITCH
- S2K — 20 AMPERE 120/277 VOLT, TWO POLE KEY SWITCH
- S3K — 20 AMPERE 120/277 VOLT, THREE POLE KEY SWITCH
- S4K — 20 AMPERE 120/277 VOLT, FOUR POLE KEY SWITCH
- ST — SINGLE POLE SWITCH WITH THERMAL ELEMENT
- SP — SINGLE POLE SWITCH WITH PILOT LIGHT
- SD — DIMMER SWITCH
- MD — MOTION DETECTOR OR SENSOR
- MS — MULTI SCENE CONTROL STATION

MASTER CLOCK

- CLOCK OUTLET (WALL MOUNTED)
- CLOCK OUTLET (CEILING MOUNTED)
- E — ELAPSED TIMER
- ELAPSED TIMER CONTROLLER
- PS — POWER SUPPLY

SECURITY SYSTEM

- PB — EMERGENCY PUSHBUTTON; 4" SQUARE BOX WITH SINGLE-GANG PLASTER RING
- DR — DOOR RELEASE PUSHBUTTON
- CCTV — CLOSE CIRCUIT TELEVISION CAMERA JUNCTION BOX MOUNTED ABOVE SUSPENDED CEILING
- CR — CARD READER
- EL — ELECTRO-MAGNETIC DOOR LOCK
- DS — DOOR SWITCH
- M CCTV — CLOSED CIRCUIT TELEVISION MONITOR

NURSE CALL SYSTEM

- N 1B — SINGLE BED STATION WITH WALL SPEAKER AND PATIENT CONTROL UNIT
- N 1BC — SINGLE BED STATION WITH WALL SPEAKER AND SINGLE ACTION PUSH BUTTON CORD SET
- N PB — PUSH BUTTON TYPE PATIENT STATION
- N 2B — DUAL BEDSIDE STATION WITH WALL SPEAKER AND TWO PATIENT CONTROL UNITS
- N T — TOILET/DRESSING ROOM STATION
- N S — SHOWER STATION, CEILING MOUNTED WITH PULL CORD
- N CB — CODE BLUE STATION
- DOME LIGHT WITH SINGLE LAMP, CEILING MOUNTED
- DOME LIGHT WITH SINGLE LAMP, WALL MOUNTED
- N DS — DUTY STATION
- N SS/CB — STAFF STATION/CODE BLUE COMBINATION STATION
- N SA — STAFF ASSIST STATION
- N SE — STAFF EMERGENCY STATION – NICU MD ALERT
- Z — ZONE DOME LIGHT, CEILING OR WALL MOUNTED
- CB — CODE BLUE ZONE DOME LIGHT WITH 2 LAMPS, CEILING OR WALL MOUNTED
- N P — PSYCHATRIC PATIENT STATION
- N PA — PSYCHATRIC SPEAKER/MICROPHONE, CEILING MOUNTED
- N MS — NURSE CALL TOUCH SCREEN MASTER STATION, WALL OR DESK MOUNTED
- N CBA — NURSE CALL CODE BLUE ANNUNCIATOR, WALL OR DESK MOUNTED
- N EC — NURSE CALL EQUIPMENT CABINET "EC" INDICATES INDIVIDUAL CABINET DESIGN
- N A — NURSE CALL ANNUNCIATOR STATION
- N AA — NURSE CALL AUXILIARY ANNUNCIATOR STATION
- N RC — NURSE CALL RELAY CABINET
- N FAM — NURSE CALL FIRE/AUX MODULE

PHYSIOLOGICAL MONITORING

- PM OBTV — PHYSIOLOGICAL MONITORING OBTV STATION – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RG-6 PLENUM CONNECTION AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) 75-OHM BLACK RG-6 COAXIAL CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. REFER TO ARCHITECTURAL ELEVATIONS TO CONFIRM MOUNTING HEIGHT.
- PM CM — PHYSIOLOGICAL MONITORING CARDIAC MONITORING STATION – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RG-6 PLENUM CONNECTION AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) 75-OHM BLACK RG-6 COAXIAL CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. REFER TO ARCHITECTURAL ELEVATIONS TO CONFIRM MOUNTING HEIGHT.
- PM INF — PHYSIOLOGICAL MONITORING INFANT STATION – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RG-6 PLENUM CONNECTION AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) 75-OHM BLACK RG-6 COAXIAL CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. REFER TO ARCHITECTURAL ELEVATIONS TO CONFIRM MOUNTING HEIGHT.
- PM MS — PHYSIOLOGICAL MONITORING SYSTEM MASTER STATION – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RG-6 PLENUM CONNECTION AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) 75-OHM BLACK RG-6 COAXIAL CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. REFER TO ARCHITECTURAL ELEVATIONS TO CONFIRM MOUNTING HEIGHT.

FIRE ALARM SYSTEM

- F — MANUAL PULL STATION
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL)
- FIRE ALARM SIGNAL (VISUAL ONLY)
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL) – 30 CANDELA
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL) – 60 CANDELA
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL) – 95 CANDELA
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL) – CHIME
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL) – GONG
- FIRE ALARM SIGNALS (AUDIBLE AND VISUAL) (CEILING MTD)
- HEAT DETECTOR – RATE OF RISE
- HEAT DETECTOR – FIXED TEMPERATURE
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR IN SUPPLY AND/OR RETURN AIR DUCTS
- DD — HVAC DUCT DAMPER
- FLAME DETECTOR
- T — BEAM DETECTOR TRANSMITTER
- R — BEAM DETECTOR RECEIVER
- FIRE ALARM MINI HORN/STROBE UNIT
- RTS — SMOKE DETECTOR REMOTE TEST STATION
- DH — ELECTRO-MAGNETIC DOOR HOLDER CONNECTION
- SM — SYNCHRONIZATION MODULE
- FS — FLOW SWITCH – FURNISHED BY DIVISION 15, WIRED BY DIVISION 16
- TS — TAMPER SWITCH – FURNISHED BY DIVISION 15, WIRED BY DIVISION 16
- PS — PRESSURE SWITCH – FURNISHED BY DIVISION 15, WIRED BY DIVISION 16
- FACP — FIRE ALARM CONTROL PANEL
- FATC — FIRE ALARM TRANSPONDER CABINET
- FAA — FIRE ALARM ANNUNCIATOR
- FIRE ALARM MASTER BOX
- FIRE FIGHTERS TELEPHONE
- REMOTE INDICATING LIGHT

ONE LINE DIAGRAM SYMBOLS

- MEDIUM VOLTAGE INTERRUPTOR SWITCH
- FUSE
- MEDIUM VOLTAGE CABLE TERMINATION
- TRANSFORMER
- MEDIUM VOLTAGE SURGE ARRESTER
- MEDIUM VOLTAGE DRAW OUT VACUUM CIRCUIT BREAKER
- LOW VOLTAGE DRAW OUT POWER CIRCUIT BREAKER
- LOW VOLTAGE CIRCUIT BREAKER
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSER
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER
- DMM — DIGITAL MULTIFUNCTIONAL METER
- GFI — GROUND FAULT INTERRUPTER

COMMUNICATIONS

- P — TELEPHONE OUTLET DEVICE (PUBLIC) – PROVIDE SINGLE GANG BACKBOX WITH BLANK FACE PLATE AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) FOUR-PAIR CAT 3 UTP CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE. PROVIDE 10' OF SLACK CABLE FOR SERVICE LOOP BOTH AT THE CLOSET IN A TRAY AND AT THE STATION END IN A SECOND COIL.
- W — TELEPHONE OUTLET DEVICE (WALL MOUNTED) – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RJ25C VOICE JACK AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) FOUR-PAIR CAT 3 UTP CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE. PROVIDE 10' OF SLACK CABLE FOR SERVICE LOOP BOTH AT THE CLOSET IN A TRAY AND AT THE STATION END IN A SECOND COIL.
- PARX — PARX SYSTEM OUTLET DEVICE (WALL MOUNTED) – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RJ25C VOICE JACK AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) FOUR-PAIR CAT 3 UTP CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE. PROVIDE 10' OF SLACK CABLE FOR SERVICE LOOP BOTH AT THE CLOSET IN A TRAY AND AT THE STATION END IN A SECOND COIL. MOUNT 18" BELOW CEILING.
- TEL/DATA OUTLET DEVICE – PROVIDE SINGLE GANG BACKBOX WITH VOICE AND DATA JACKS AS INDICATED IN VOICE AND DATA DEVICE TERMINATION DETAIL ON E801. PROVIDE 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) FOUR PAIR CAT 3 UTP AND (1) FOUR PAIR CAT 5-E UTP CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. PROVIDE 10' OF SLACK CABLE BOTH AT THE CLOSET IN A TRAY AND AT THE STATION END IN A SECOND COIL. REFER TO ARCHITECTURAL ELEVATIONS TO CONFIRM MOUNTING HEIGHT.
- VCONF — VIDEO CONFERECING OUTLET DEVICE – PROVIDE SINGLE GANG BACKBOX WITH VOICE AND DATA JACKS AS INDICATED IN VIDEO CONFERECING OUTLET DEVICE TERMINATION DETAIL ON E801. PROVIDE 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) FOUR PAIR CAT 3 UTP AND (2) FOUR PAIR CAT 5-E UTP CABLES FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. PROVIDE 10' OF SLACK CABLE BOTH AT THE CLOSET IN A TRAY AND AT THE STATION END IN A SECOND COIL. REFER TO ARCHITECTURAL ELEVATIONS TO CONFIRM MOUNTING HEIGHT.
- TELE/DATA FLOOR BOX – PROVIDE SINGLE GANG BACKBOX WITH VOICE AND DATA JACKS AS INDICATED IN VOICE AND DATA DEVICE TERMINATION DETAIL ON E801. PROVIDE 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) FOUR PAIR CAT 3 UTP AND (1) FOUR PAIR CAT 5-E UTP CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. PROVIDE 10' OF SLACK CABLE BOTH AT THE CLOSET IN A TRAY AND AT THE STATION END IN A SECOND COIL. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
- TV — INTERACTIVE TELEVISION OUTLET DEVICE – PROVIDE SINGLE GANG BACKBOX WITH SINGLE RG-6 PLENUM CONNECTOR AND 3/4" CONDUIT TO ABOVE HUNG CEILING TO WITHIN 12" OF CABLE MANAGEMENT SYSTEM. PULL (1) 75-OHM BLACK RG-6 COAXIAL CABLE FROM INDICATED COMMUNICATIONS CLOSET TO BACKBOX AND TERMINATE AT BOTH ENDS. MOUNT AT 96" AFF.
- IC — INTERCOM OUTLET DEVICE
- M — MONITOR OUTLET DEVICE – PROVIDE 3/4" C. TO ABOVE HUNG CEILING
- CMS — CABLE MANAGEMENT SYSTEM; SUPPORT CLIPS WITH 2" DIAMETER LOOP MOUNTED 12" ABOVE ACCESSIBLE CEILING VIA 3/8" THREADED ROD EVERY 4 FEET ON CENTER. EACH SUPPORT CLIP SHALL CONTAIN FOUR (4) 2" DIAMETER LOOPS; CADDY NO. CAT32AF14 CAT 5 CABLE SUPPORT CLIP OR APPROVED EQUAL.
- CMS — CABLE MANAGEMENT SYSTEM WALL PENETRATION; PROVIDE (2) 4" SLEEVES THROUGH WALL, MAINTAIN FIRE/SMOKE BARRIER OF WALL AS REQUIRED BY CODE.
- TEL/DATA BACKBOARD – 3/4" THICK FIRE RATED, PAINTED WHITE. REFER TO ARCHITECTURAL PLAN. FOR MOUNTING REQUIREMENTS AND SIZES.

PUBLIC ADDRESS

- S — FLUSH CEILING SPEAKER – PULL (1) ONE 4-PAIR CAT 3 UTP CABLE FROM INDICATED COMMUNICATIONS CLOSET TO EACH SPEAKER (HOME RUN). TERMINATE AT SPEAKER AND ON DEDICATED BIX BLOCK FOR PUBLIC ADDRESS SYSTEM IN CLOSET.
- WALL MOUNTED SPEAKER BI-DIRECTIONAL
- V — VOLUME CONTROL
- M — MICROPHONE OUTLET DEVICE
- A — AMPLIFIER
- PS — POWER SUPPLY

DRAWING NOTES AND DESIGNATIONS

- KEY NOTES
- EQUIPMENT DESIGNATIONS
- ROOM NUMBERS
- FEEDER AND/OR BRANCH CIRCUIT NUMBER
- REVISION NOTATION (• INDICATES NUMBER)

DEMOLITION LEGEND

- "X" EXISTING ELECTRICAL DEVICE TO BE REMOVED
- "XM" EXISTING ELECTRICAL DEVICE TO BE MAINTAINED
- "XR" EXISTING ELECTRICAL DEVICE TO BE REMOVED AND RELOCATED
- "XL" EXISTING ELECTRICAL DEVICE RELOCATED

PANEL DESIGNATION

DP N 4 B N 1

"N" NORMAL BRANCH
"LS" LIFE SAFETY BRANCH
"CR" CRITICAL BRANCH
"EQ" EQUIPMENT BRANCH
"EL" EQUIPMENT BRANCH (ELEVATOR)
"RB" RICHARDS BUILDING
"PG" PARKING GARAGE
"PP" POWER PLANT
(BLANK) CHARLES STREET

FLOOR
"S" SUBBASEMENT
"B" BASEMENT
"G" GROUND
"1" FIRST FLOOR
"2" SECOND FLOOR
"3" THIRD FLOOR
"4" FOURTH FLOOR
"5" FIFTH FLOOR
"6" SIXTH FLOOR

PANEL NUMBER

"DP" DISTRIBUTION PANEL
"MCC" MOTOR CONTROL CENTER
(BLANK) BRANCH CIRCUIT PANEL

RISER
"S" SOUTH
"N" NORTH
(BLANK) DOES NOT APPLY

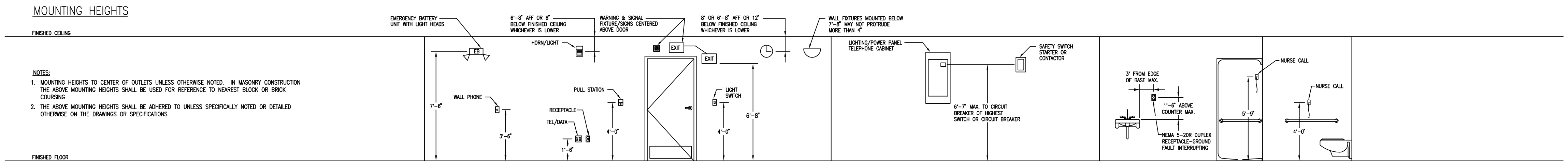
VOLTAGE
"4" 480/277V OR 480V
"2" 208/120V OR 208V

DRAWING LIST

ELECTRICAL

E001	ELECTRICAL LEGEND, GENERAL NOTES AND ABBREVIATIONS
E030	ELECTRICAL SITE PLAN
E10B	ELECTRICAL BASEMENT POWER DEMOLITION AND TEMPORARY POWER PLAN
E25B	ELECTRICAL SUB-BASEMENT LIGHTING PLAN
E20B	ELECTRICAL BASEMENT LIGHTING PLAN
E20G	ELECTRICAL GROUND FLOOR LIGHTING PLAN
E202	ELECTRICAL SECOND FLOOR LIGHTING PLAN
E203	ELECTRICAL THIRD FLOOR LIGHTING PLAN
E204	ELECTRICAL FOURTH FLOOR LIGHTING PLAN
E205	ELECTRICAL FIFTH FLOOR LIGHTING PLAN
E35B	ELECTRICAL SUB-BASEMENT POWER PLAN
E30B	ELECTRICAL BASEMENT POWER PLAN
E30G	ELECTRICAL GROUND FLOOR POWER PLAN
E302	ELECTRICAL SECOND FLOOR POWER PLAN
E303	ELECTRICAL THIRD FLOOR POWER PLAN
E304	ELECTRICAL FOURTH FLOOR POWER PLAN
E305	ELECTRICAL FIFTH FLOOR POWER PLAN
E306	ELECTRICAL SIXTH FLOOR LIGHTING, POWER AND SIGNAL PLAN
E45B	ELECTRICAL SUB-BASEMENT SIGNAL PLAN
E40B	ELECTRICAL BASEMENT SIGNAL PLAN
E40G	ELECTRICAL GROUND FLOOR SIGNAL PLAN
E402	ELECTRICAL SECOND FLOOR SIGNAL PLAN
E403	ELECTRICAL THIRD FLOOR SIGNAL PLAN
E404	ELECTRICAL FOURTH FLOOR SIGNAL PLAN
E405	ELECTRICAL FIFTH FLOOR SIGNAL PLAN
E500	ELECTRICAL BEAN BUILDING BASEMENT POWER PART PLANS
E620	ELECTRICAL EXISTING RICHARDS BUILDING NORMAL ONE LINE DIAGRAM
E621	ELECTRICAL EXISTING RICHARDS BUILDING EMERGENCY ONE-LINE DIAGRAM
E622	ELECTRICAL RICHARDS BUILDING TEMPORARY ONE-LINE DIAGRAM
E623	ELECTRICAL CHARLES ST. POWER ONE-LINE DIAGRAM
E624	ELECTRICAL POWER CHARLES ST. RISER DIAGRAM
E625	ELECTRICAL EXISTING RICHARDS BUILDING POWER RISER DIAGRAM
E626	ELECTRICAL NEW RICHARDS BUILDING POWER RISER DIAGRAM
E630	ELECTRICAL FIRE ALARM RISER DIAGRAM
E631	ELECTRICAL NURSE CALL RISER DIAGRAM
E632	ELECTRICAL LOW VOLTAGE RISER DIAGRAMS
E700	ELECTRICAL LIGHTING FIXTURE SCHEDULE
E701	ELECTRICAL SCHEDULES SHEET 1 OF 3
E702	ELECTRICAL SCHEDULES SHEET 2 OF 3
E703	ELECTRICAL SCHEDULES SHEET 3 OF 3
E800	ELECTRICAL DETAILS SHEET 1 OF 2
E801	ELECTRICAL DETAILS SHEET 2 OF 2

MOUNTING HEIGHTS



NOTES:
1. MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY CONSTRUCTION THE ABOVE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING
2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS

General Notes:

GENERAL NOTES:

1. THIS IS A STANDARD SYMBOL LIST. ALL DEVICE SYMBOLS AND ABBREVIATIONS MAY NOT NECESSARILY APPEAR ON THE FLOOR PLANS OR DETAIL SHEET. ONLY THOSE SYMBOLS INDICATED ON THE FLOOR PLANS ARE USED AND OTHERS SHOULD BE DISREGARDED.
2. MOUNTING HEIGHTS SHALL BE AS INDICATED ON MOUNTING HEIGHT DETAIL (BELOW) UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
3. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS BEFORE INSTALLING SWITCH BOXES.
4. FOR EXACT LOCATION OF LIGHTING FIXTURES SEE REFLECTED CEILING PLAN DRAWINGS.
5. FOR MOUNTING HEIGHT OF UNDER-COUNTER LIGHTING FIXTURES AND OTHER TASK LIGHTING, REFER TO ARCHITECTURAL DRAWINGS.
6. ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES.
7. FOR EXACT LOCATION AND RATING OF MECHANICAL EQUIPMENT (AC UNITS, FANS, PUMPS, ETC.) REFER TO RESPECTIVE TRADES DRAWINGS.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXPANSION FITTINGS IN ALL RACEWAYS CROSSING CONSTRUCTION OR EXPANSION JOINTS.
9. ALL WIRE SHALL BE 600V RATED COPPER. WIRE SIZE #14 THRU #3/0 SHALL BE DUAL RATED TYPE THHN/THWN, #4/0 AND LARGER SHALL BE TYPE THHN/THWN OR XHHW. WIRE SIZE #14 THRU #10 SHALL BE SOLID, #8 AND LARGER SHALL BE STRANDED. ALL POWER WIRING FOR MECHANICAL EQUIPMENT SHALL BE A MINIMUM OF THREE (3) #10's. ALL CONTROL WIRING SHALL BE A MINIMUM OF TWO (2) #14's. ALL HOMERUNS IN EXCESS OF 100 FEET FROM SOURCE SHALL BE A MINIMUM OF THREE (3) #10's. ALL OTHER WIRING SHALL BE A MINIMUM OF THREE (3) #12's.
10. ALL CURRENT CARRYING MATERIAL USED SHALL BE COPPER, INCLUDING PANELBOARD BUS MATERIALS AND TRANSFORMER WINDINGS.
11. FURNISH GROUNDING/BONDING BUSHINGS ONTO ALL CONDUIT ENTERING/LEAVING BOXES.
12. ALL GROUND CONDUCTORS SHALL BE GREEN, ISOLATED GROUND CONDUCTORS SHALL BE GREEN/YELLOW STRIPPED, AND NEUTRAL CONDUCTORS SHALL BE WHITE.
13. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRE, AND LABOR AS REQUIRED BY THE FIRE ALARM MANUFACTURER TO PROPERLY CONNECT THE DEVICES INDICATED ON THE DRAWINGS. FIRE ALARM SHOP DRAWING SUBMITTAL SHALL INCLUDE A RISER DIAGRAM AND COMPLETED BATTERY CALCULATIONS.

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/24/04	PERMIT SET – NOT FOR CONSTRUCTION

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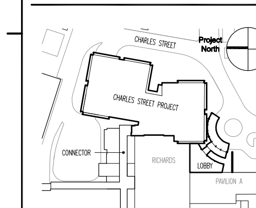

Key Plan

TRO
ARCHITECTURE
PLANNING
ENGINEERING
INTERIOR DESIGN
The Ritchie Organization
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Newton, MA 02458-1134
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Maine Medical Center
Charles Street Project
Portland, Maine MMC Project No. 21841

Drawing Title
ELECTRICAL LEGEND, GENERAL NOTES AND ABBREVIATIONS

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