

A

B

C

D

M

T

1

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

one half inch = one foot

one quarter inch = one foot

one eighth inch = one foot

GENERAL POWER NOTES

- COORDINATE EXACT LOCATION OF NEW ELECTRICAL DEVICES SUCH AS RECEPTACLES, SWITCHES, FIRE ALARM DEVICES, ETC. WITH PLANS, ELEVATIONS AND DETAILS PRIOR TO START OF WORK. REQUEST CLARIFICATIONS FROM ENGINEER PRIOR TO INSTALLATION.
- ANY RECEPTACLE LOCATED WITHIN 6'-0" OF A WATER SOURCE SHALL BE A GFI RECEPTACLE OR PROTECTED BY A GFI CIRCUIT BREAKER.
- UNLESS OTHERWISE INDICATED, REFER TO MOTOR CIRCUIT SCHEDULE ON DRAWING #E2.0 FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL (HVAC, PLUMBING, FIRE PROTECTION, ETC.) EQUIPMENT. REFER TO DRAWINGS FOR EACH TRADE FOR EXACT LOCATION OF EQUIPMENT.
- DO NOT INSTALL OUTLETS BACK TO BACK. PROVIDE MINIMUM 24 INCH HORIZONTAL SPACING IN FIRE RATED WALLS. MOUNT LOW VOLTAGE AND POWER OUTLETS IN DIFFERENT STUD WALL CAVITIES.
- WHEN THE COMBINING OF CIRCUITS OR HOMERUNS IS PERMITTED ELSEWHERE IN THE CONTRACT DOCUMENTS, RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (THREE PHASE AND THREE NEUTRALS) AND GROUNDING CONDUCTOR UNLESS OTHERWISE INDICATED. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH SINGLE PHASE CIRCUIT UNLESS AN OVERSIZED NEUTRAL IS SPECIFICALLY INDICATED. CONDUCTORS MUST BE DERATED PER THE NATIONAL ELECTRICAL CODE WHEN MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY.
- PROVIDE NYLON PULL STRING IN ALL EMPTY CONDUIT SYSTEMS FOR USE IN INSTALLING SYSTEM WIRING.
- COORDINATE EXACT LOCATION OF JUNCTION BOX FOR EQUIPMENT WHICH IS FURNISHED BY OWNER OR OTHERS WITH EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION. PROVIDE WIRING FROM JUNCTION BOX TO EQUIPMENT CONNECTION AS REQUIRED.
- WIRING INDICATED BY CIRCUIT NUMBER SYMBOL SHALL INCLUDE A NEUTRAL WHEN THE LOAD SERVED HAS PROVISIONS FOR, OR REQUIRES A NEUTRAL. TYPICALLY, ALL FEEDERS AND BRANCH CIRCUITS WILL REQUIRE A NEUTRAL, EXCEPT MOST MOTOR CIRCUITS.

GENERAL FIRE ALARM NOTES

- FIRE ALARM COMPONENTS SHALL BE COMPATIBLE WITH EXISTING BUILDING SYSTEM. PROVIDE ADDITIONAL CARDS AS REQUIRED TO CONTROL ADDITIONAL INITIATION DEVICES.
- PROVIDE ALL ADDITIONAL REQUIRED FIRE ALARM POWER SUPPLIES, INTERFACE DEVICES, CONTROL PANEL REPROGRAMMING AND ADDITIONAL BATTERY CAPACITY TO ACCOMMODATE ALL THE NEW FIRE ALARM DEVICES TO BE PROVIDED AS PART OF THIS PROJECT.
- SHUTDOWNS OF THE BUILDING FIRE ALARM SYSTEM WILL BE REQUIRED TO REMOVE AND REINSTALL FIRE ALARM DEVICES. COORDINATE THE TIME AND DURATION OF ANY FIRE ALARM SYSTEM SHUTDOWNS WITH VA PERSONNEL. UNDER NO CIRCUMSTANCES WILL ANY UNATTENDED AREAS BE LEFT WITHOUT FIRE ALARM SYSTEM PROTECTION.
- WIRING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 760, AND AS RECOMMENDED BY THE MANUFACTURER OF THE FIRE ALARM SYSTEM. ALL WIRES SHALL BE COLOR CODED. NUMBER AND SIZE OF CONDUCTORS SHALL BE AS RECOMMENDED BY THE FIRE ALARM SYSTEM MANUFACTURER, BUT NOT LESS THAN 18 AWG FOR INITIATING DEVICE CIRCUITS AND 14 AWG FOR NOTIFICATION DEVICE CIRCUITS.
- ADDRESSABLE CIRCUITS AND WIRING USED FOR THE MULTIPLEX COMMUNICATION LOOP SHALL BE TWISTED AND SHIELDED UNLESS SPECIFICALLY EXCEPTED BY THE FIRE ALARM EQUIPMENT MANUFACTURER IN WRITING.
- FIRE ALARM WIRING SHALL BE RUN IN EMT (3/4") MINIMUM; CONDUIT FILL SHALL NOT EXCEED 40% DEVICES SHALL BE SECURELY AFFIXED TO BUILDING SURFACES.
- JUNCTION BOXES, PULL BOXES AND OUTLET BOXES IN THE FIRE ALARM SYSTEM SHALL BE PAINTED RED. COVERS SHALL BE PAINTED RED AND SHALL BE IDENTIFIED WITH WHITE MARKINGS AS "FA" FOR JUNCTION BOXES. LETTERING SHALL BE A MINIMUM OF 19 MM (3/4 INCH) HIGH.
- PROVIDE 200 DEGREE FIXED TEMPERATURE THERMOCOUPLE; COMPATIBLE WITH EXISTING BUILDING FIRE ALARM SYSTEM, UL LISTED AND FM APPROVED.
- TEST EVERY DEVICE AND OPERATION, INCLUDING TEST BY SIMULATION OF TROUBLE IN THE PRESENCE OF THE OWNER. NOTIFY THE OWNER AND INTERESTED PARTIES OF TEST 72 HOURS IN ADVANCE.
- THE SYSTEM DESCRIBED SHALL BE INSTALLED, TESTED AND DELIVERED TO THE OWNER IN FULLY OPERATIONAL AND FIRST-CLASS CONDITION. THE SYSTEM SHALL INCLUDE ALL HARDWARE, RACEWAYS, INTERCONNECTING WIRING AND SOFTWARE TO ACCOMPLISH THE REQUIREMENTS OF THIS CONTRACT. THE FIRE ALARM EQUIPMENT SUPPLIER WILL HAVE HAD TEN (10) YEARS PREVIOUS EXPERIENCE WITH THE FACILITY OPERATIONS AND REQUIREMENTS.

GENERAL NOTES:

- WHEREVER THE TERM "REMOVE" OR "DEMOLISH" IS USED, THE INTENT OF THE TERMS SHALL BE TO "REMOVE AND DISPOSE OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, FEDERAL, EPA AND DEP REGULATIONS".
- WHEREVER THE TERM "PROVIDE" OR "NEW" IS USED, THE INTENT OF THE TERMS SHALL BE TO "PROVIDE AND INSTALL".

GENERAL ELECTRICAL NOTES

- ALL HOMERUNS/CIRCUITS TO BE 2#12, 1#12G., 3/4" TO A 20A-1P CIRCUIT BREAKER IN DESIGNATED PANEL, UNLESS NOTED OTHERWISE. NUMBERS SHOWN AT EACH DEVICE/HOMERUN REPRESENT BRANCH CIRCUIT NUMBER IN PANELBOARD.
- WIRE AND RACEWAY SIZES INDICATED ON HOMERUNS/CIRCUITS SHALL BE CONTINUOUS FOR ENTIRE LENGTH, UNLESS NOTED OTHERWISE.
- ALL WIRING (CONDUITS, ETC.) TO BE CONCEALED. NO SURFACE WIRING SHALL BE INSTALLED IN FINISHED AREAS. THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CHANNELING AND PATCHING REQUIRED OF EXISTING WALL AND FLOORS TO ACCOMMODATE NEW WIRING. SEE ARCHITECTURAL SPECIFICATIONS, FLOOR PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION ON DEVICE LOCATIONS AND WIRING ROUTING.
- ALL WIRING ABOVE CEILING THAT IS NOT IN CONDUIT AND IS LOCATED IN A PLENUM SPACE SHALL BE PLENUM RATED, REFER TO MECHANICAL PLANS FOR PLENUM AREAS.
- ELECTRICAL CONDUITS, WIRING, BOXES, ETC. SHALL NOT PENETRATE STAIR ENCLOSURE, UNLESS THEY ARE FEEDING DEVICES LOCATED WITHIN THE STAIR ENCLOSURE.
- PROVIDE ELECTRICAL OUTLET PLATE GASKET SEALS AT RECEPTACLES, SWITCHES AND OTHER ELECTRICAL BOXES ON EXTERIOR WALLS AND INTERIOR WALLS BETWEEN CONDITIONED AND NON-CONDITIONED SPACES.
- ALL INDIVIDUAL OR GENERAL PURPOSE BRANCH 120 VOLT CIRCUITS OVER 100'-0" IN CONDUCTOR LENGTH SHALL BE INCREASED ONE WIRE SIZE (i.e. FROM #12AWG TO #10AWG) AND CIRCUITS OVER 170'-0" IN CONDUCTOR LENGTH SHALL BE INCREASED TWO WIRE SIZES (i.e. FROM #12AWG TO #8AWG) UNLESS NOTED OTHERWISE.
- ALL INDIVIDUAL OR GENERAL PURPOSE BRANCH 277 VOLT CIRCUITS OVER 230'-0" IN CONDUCTOR LENGTH SHALL BE INCREASED ONE WIRE (i.e. FROM #12AWG TO #10AWG) AND CIRCUITS OVER 380'-0" IN CONDUCTOR LENGTH SHALL BE INCREASED TWO WIRE SIZES (i.e. FROM #12AWG TO #8AWG) UNLESS NOTED OTHERWISE.
- PROVIDE UNIVERSAL BLANK PLUGS ON ALL SPARE CONDUIT EQUAL TO CARLON 'MAEPC' SERIES.
- SEAL ALL CONDUITS AT THE LAST STRUCTURE PRIOR TO CONDUITS ENTERING A BUILDING AND WHERE CONDUITS ENTER A BUILDING WITH CARLON 'MAT' OR 'MAO' SERIES DUCT PLUG FOR CONDUITS WITH WIRES AND CARLON 'MAE' SERIES FOR SPARE CONDUITS OR EQUAL. ALL SPARE CONDUITS SHALL HAVE NYLON PULL STRING AND FOOTAGE TAPE.
- RACEWAY AND WIRING INDICATED ON DRAWINGS ARE RECOMMENDATIONS FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL ROUTING.
- ALTHOUGH ALL FEEDER AND BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SPECIFICALLY SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE FEEDER AND BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
- ALL MOVING OF FURNITURE, CLEANING, REPAIRING OF FINISHES AND/OR CEILING TILES NECESSARY TO PERFORM THE ELECTRICAL WORK FOR THIS PROJECT IS ALSO CONSIDERED PART OF THE BASE BID.

GENERAL ELECTRICAL DEMOLITION NOTES

- DISCONNECT AND REMOVE EXISTING WIRING, CONDUIT, BOXES, ETC. SERVING ALL EQUIPMENT BEING REMOVED BY MECHANICAL AND OTHER TRADES. REFER TO PLUMBING AND MECHANICAL DRAWINGS FOR COORDINATION OF REQUIRED WORK. REMOVALS SHALL BE BACK TO SOURCE PANEL COMPLETE.
- EXISTING ELECTRICAL ITEMS THAT ARE BEING DISCONNECTED AND REMOVED AND NOT BEING REUSED SHALL BE PROPERLY DISPOSED OF AS DIRECTED BY COTR.
- ALL ABANDONED ELECTRICAL WIRING AND DEVICES SHALL BE REMOVED.
- IF CONTINUITY OF WIRING TO EXISTING ELECTRICAL ITEMS IS INTERRUPTED BY REMOVAL OF DEVICES, CONTRACTOR SHALL INSTALL ALL NECESSARY WIRING AND RACEWAY TO ENSURE THE CONTINUITY OF CIRCUITRY IN OTHER AREAS.
- WIRING FOR ITEMS BEING REMOVED SHALL BE REMOVED BACK TO POWER SOURCE OR LAST DEVICE TO REMAIN ACTIVE UNLESS OTHERWISE NOTED.
- NOTIFY COTR OF OPENINGS CAUSED BY REMOVAL OF EXISTING EQUIPMENT NOT BEING REPLACED. ENSURE THE PATCHING IS COMPLETE.
- INSTALL BLANK COVER PLATES ON RECESSED OUTLET BOXES ABANDONED UNDER THIS CONTRACT IN WALLS THAT ARE TO REMAIN.
- REMOVE DEVICE PLATES (AND DEVICES WHERE NECESSARY) TO ACCOMMODATE NEW WALL FINISHES. REINSTALL COVER PLATES AND DEVICES AFTER NEW FINISHES ARE COMPLETE.
- THE BUILDING WILL BE OCCUPIED DURING DEMOLITION. COORDINATE PHASING OF DEMOLITION WORK WITH COTR. ENSURE CONTINUITY OF SERVICES.

FIRE ALARM

	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM BEAM DETECTOR, SUBLETTER INDICATES TRANSMITTER OR RECEIVER
	DUCT SMOKE FIRE ALARM DETECTOR
	HEAT DETECTOR, 130° FIXED RATE OF RISE. HEAT RATING INDICATED BY SUBLETTER IF OTHER THAN 130°
	FIRE ALARM VISUAL INDICATING UNIT
	FIRE ALARM HORN/VISUAL INDICATING UNIT
	FIRE ALARM SPEAKER/VISUAL INDICATING UNIT
	MANUAL FIRE ALARM PULL STATION
	MASTER FIRE ALARM PULL BOX
	REMOTE DUCT SMOKE DETECTOR TEST SWITCH/INDICATOR
	ADDRESSABLE INTERFACE MODULE
	SPRINKLER FIRE ALARM FLOW SWITCH
	SPRINKLER FIRE ALARM SUPERVISORY SWITCH
	SPRINKLER FIRE ALARM PRESSURE SWITCH
	EMERGENCY TELEPHONE
	FIRE ALARM CONTROL PANEL
	SMOKE DAMPER
	FIRE ALARM BELL

POWER

	DUPLEX RECEPTACLE. COORDINATE INSTALLATION WITH ARCHITECT.
	DUPLEX RECEPTACLE. SUBLETTER "d" INDICATES RECEPTACLE TO BE MOUNTED 6" ABOVE COUNTER TOP OR 48" AFF. SUBLETTER "c" INDICATES MOUNTED IN ARCHITECTURAL MILLWORK. SUBLETTER "e" INDICATES CEILING MOUNTED. COORDINATE INSTALLATION WITH ARCHITECT.
	DOUBLE DUPLEX RECEPTACLE. COORDINATE INSTALLATION WITH ARCHITECT.
	DOUBLE DUPLEX RECEPTACLE. SUBLETTER "d" INDICATES RECEPTACLE TO BE MOUNTED 6" ABOVE COUNTER TOP OR 48" AFF. SUBLETTER "c" INDICATES MOUNTED IN ARCHITECTURAL MILLWORK. SUBLETTER "e" INDICATES CEILING MOUNTED. COORDINATE INSTALLATION WITH ARCHITECT.
	SPECIAL-PURPOSE OUTLET. AMPERAGE AND VOLTAGE AS INDICATED ON PLANS. CONTRACTOR TO VERIFY CONNECTION/NECA CONFIGURATION REQUIREMENTS WITH EQUIPMENT BEING FURNISHED.
	DUPLEX RECEPTACLE, EMERGENCY POWER. SUBLETTER "d" INDICATES RECEPTACLE TO BE MOUNTED 6" ABOVE COUNTER TOP OR 48" AFF. SUBLETTER "c" INDICATES MOUNTED IN ARCHITECTURAL MILLWORK. SUBLETTER "e" INDICATES CEILING MOUNTED. COORDINATE INSTALLATION WITH ARCHITECT.
	DOUBLE DUPLEX RECEPTACLE, EMERG. POWER. SUBLETTER "d" INDICATES RECEPTACLE TO BE MOUNTED 6" ABOVE COUNTER TOP OR 48" AFF. SUBLETTER "c" INDICATES MOUNTED IN ARCHITECTURAL MILLWORK. SUBLETTER "e" INDICATES CEILING MOUNTED. COORDINATE INSTALLATION WITH ARCHITECT.
	SURFACE RACEWAY WITH OUTLETS AS INDICATED ON PLANS, MOUNTED AT 18" AFF, UNLESS OTHERWISE NOTED
	ELECTRICAL PANEL 480/277 VOLT
	ELECTRICAL PANEL 120/208 VOLT
	SPECIAL-PURPOSE ELECTRICAL PANEL OR EQUIPMENT
	ELECTRICAL POWER TRANSFORMER
	MAGNETIC STARTER
	FUSED DISCONNECT SWITCH WITH AMP FRAME OVER AMP TRIP
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH
	ELECTRIC MOTOR
	VARIABLE FREQUENCY DRIVE
	JUNCTION BOX
	ELECTRIFIED BUS DUCT WITH FUSIBLE, PLUG-IN, BRANCH CIRCUIT DEVICE
	HARD-WIRED EQUIPMENT CONNECTION
	RELAY
	ELECTRONIC FAUCET/FLUSH VALVE CONTROL TRANSFORMER
	TRAP PRIMER SOLENOID CONTROL TRANSFORMER

LIGHTING

SYMBOL	DESCRIPTION
	CEILING MOUNTED LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	WALL MOUNTED LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	2'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	DUAL BALLAST 2'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	1'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	6'x4' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	2'x2' CEILING MOUNTED FLUORESCENT LIGHT FIXTURE; SUBLETTER INDICATES FIXTURE TYPE
	TYPICAL CEILING MOUNTED FLUORESCENT FIXTURE - NORMAL/EMERGENCY; SUBLETTER INDICATES ALL FIXTURE TYPES IN A ROW
	CONTINUOUS FLUORESCENT LIGHT FIXTURE; SUBLETTER INDICATES ALL FIXTURE TYPES IN A ROW
	LIGHT ON EMERGENCY CIRCUIT; SUBLETTER INDICATES FIXTURE TYPE
	SINGLE OR DUAL HEAD, WALL MOUNTED, REMOTE EMERGENCY LIGHT; SUBLETTER INDICATES FIXTURE TYPE
	DOUBLE FACED CEILING OR WALL-MOUNTED, EXIT SIGN WITH EMERGENCY POWER BACK UP AND CHEVRONS AS INDICATED ON PLANS; SUBLETTER INDICATES FIXTURE TYPE
	SINGLE FACED CEILING OR WALL-MOUNTED EXIT SIGN WITH EMERGENCY POWER BACK UP AND CHEVRONS AS INDICATED ON PLANS; SUBLETTER INDICATES FIXTURE TYPE
	CEILING OR WALL-MOUNTED, SELF-CONTAINED EMERGENCY LIGHT UNIT; SUBLETTER INDICATES MONITOR LIGHTING CIRCUIT IN AREA; SUBLETTER INDICATES FIXTURE TYPE
	EMERGENCY LIGHTING BATTERY UNIT

ONE-LINE

	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	FUSE
	FUSE CUT OUT
	FUSE & SWITCH
	SWITCH
	CIRCUIT BREAKER
	GROUND
	RELAY/COIL
	N/O CONTACT
	N.C. CONTACT
	AMMETER
	AMMETER SWITCH
	VOLTMETER
	VOLTMETER SWITCH
	WATT-OUR METER
	WATTMETER
	TRANSFORMER (WITH GROUNDING ON SECONDARY SIDE)
	SHIELDED TRANSFORMER (WITH GROUNDING ON SECONDARY SIDE)
	AUTO TRANSFORMER
	LIGHTNING ARRESTOR
	GENERATOR
	DELTA
	WYE
	AUTOMATIC TRANSFER SWITCH (A.T.S.)
	BYPASS / ISOLATION AUTOMATIC TRANSFER SWITCH
	MAIN LUG ONLY PANELBOARD
	MAIN CIRCUIT BREAKER PANELBOARD
	CIRCUIT BREAKER WITH AMP FRAME OVER AMP TRIP
	FUSED DISCONNECT SWITCH, WITH SWITCH SIZE OVER FUSE SIZE

SWITCHES

	SINGLE-POLE SWITCH
	3-WAY SWITCH
	4-WAY SWITCH
	SINGLE-POLE SWITCH WITH PILOT LIGHT
	BOILER EMERGENCY SWITCH
	SINGLE-POLE DIMMER SWITCH
	MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION
	SINGLE-POLE KEYED SWITCH
	OCCUPANCY SENSOR SWITCH
	CEILING MOUNTED OCCUPANCY SENSOR; SUBLETTER INDICATES TYPE: P - PASSIVE/INFARED, U - ULTRASONIC, D - DUAL TECHNOLOGY
	CONTACTOR, COMPLETE WITH NEMA ENCLOSURE
	TIME CLOCK
	PHOTOCELL
	LIGHTING CIRCUIT MONITOR CONTROL MODULE
	LIGHTING CIRCUIT TRANSFER CONTROL MODULE
	PUSHBUTTON SWITCH
	EMERGENCY POWER OFF PUSHBUTTON SHUT-OFF SWITCH

SPECIAL SYSTEMS

SYMBOL	DESCRIPTION
	COMBINATION DATA/TELEPHONE OUTLET WITH BACKBOX AND EMPTY CONDUIT STUBBED UP TO ABOVE FINISHED CEILING, INCLUDING DRAG LINE.
	TELEPHONE OUTLET WITH BACKBOX AND EMPTY CONDUIT STUBBED UP TO ABOVE FINISHED CEILING, INCLUDING DRAG LINE. SUBLETTER "W" INDICATES WALL-MOUNTED.
	DATA OUTLET WITH BACKBOX AND EMPTY CONDUIT STUBBED UP TO ABOVE FINISHED CEILING, INCLUDING DRAGLINE
	EMERGENCY CALL-FOR-AID SWITCH
	EMERGENCY CALL-FOR-AID VISUAL INDICATING UNIT
	EMERGENCY CALL-FOR-AID VISUAL/AUDIO INDICATING UNIT

ABBREVIATIONS

SYMBOL	DESCRIPTION
A	AMPERE
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
C	CONDUIT
CATV	CABLE TELEVISION
C/B	CIRCUIT BREAKER
CIR	CIRCUIT
COTR	CONTRACTING OFFICER TECHNICAL REPRESENTATIVE (VA REPRESENTATIVE)
CUH	CABINET UNIT HEATER
CT	CABLE TRAY
EE	STANDBY POWER ELECTRICAL SERVICE
ER	EXISTING TO REMAIN
EF	EXHAUST FAN
ELTR	EXISTING LIGHTING TO REMAIN (WITHIN SPECIFIED AREA)
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EPTR	EXISTING POWER TO REMAIN (WITHIN SPECIFIED AREA)
EW	ELECTRIC WATER COOLER
EMH	ELECTRIC WATER HEATER
F	FUSED
FA	FIRE ALARM
FMC	FLEXIBLE METALLIC TUBING
GFI	GROUND FAULT INTERRUPTER
IG	ISOLATED GROUND
MAU	MAKE-UP AIR UNIT
MD	MOTORIZED DAMPER
NF	NON-FUSED
NE	NEW LOCATION OF EXISTING RELOCATED
NL	NIGHT LIGHT
NR	NEW TO REPLACE EXISTING
P	POLE
PE	PRIMARY ELECTRIC SERVICE
PVC	POLYVINYL CHLORIDE CONDUIT
RE	REMOVE EXISTING
REF	ROOF EXHAUST FAN
RL	RELOCATE EXISTING
RMC	RIGID METALLIC CONDUIT
RR	REMOVE AND REPLACE ON NEW SURFACE
RTU	ROOFTOP UNIT
SD	SMOKE DAMPER
SE	SECONDARY ELECTRIC SERVICE
S&P	SPACE AND PROVISION
ST	SHUNT TRIP
T	TELEPHONE SERVICE
TPC	TEMPERATURE CONTROL PANEL
TP	TRAP PRIMER (PLUMBING SOLENOID VALVE)
TX	TRANSFORMER
W	WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
UNIV	UNIVERSAL

WIRING

	BRANCH CIRCUIT POWER WIRING
	BRANCH CIRCUIT SWITCHED WIRING
	CONDUIT UP
	CONDUIT DOWN
	HOME RUN, 3/4" CONDUIT, 2#12 AND 1#12 GROUND, UNLESS OTHERWISE NOTED. NOTE: HOME RUN SHALL BE FROM FIRST ELECTRICAL DEVICE BACKBOX IN CIRCUIT TO ELECTRICAL PANEL.
	TELECOMMUNICATION SYSTEM RACEWAY
	UNDERGROUND EMERGENCY ELECTRICAL SERVICE

LEGEND NOTE

THESE ARE THE GENERAL LEGENDS OF SYMBOLS AND ABBREVIATIONS, AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. NOT ALL SYMBOLS OR ABBREVIATIONS DEFINED ARE NECESSARILY USED ON THIS PROJECT.

ENGINEERS:

HVAC / ELECTRICAL / PLUMBING / FIRE PROTECTION:
VanZelm Heywood & Shadford
10 Talcott Notch
Farmington, CT 06032
T: 860. 284.5064
F: 860. 284.5098
VZHS PROJECT# 2007190.88

CONSULTANTS:

STRUCTURAL:
The Louis Berger Group, Inc.
1001 Elm Street, Suite 203
Manchester, NH 03101
T: 603. 644. 5200
F: 603. 644. 5220

Drawing Title ELECTRICAL LEGENDS AND GENERAL NOTES

Approved: Safety Manager

Approved By: Project Engineer

Approved By: Chief, FMS

Project Title BOILER PLANT MODIFICATIONS VETERANS INTEGRATED SERVICE NETWORK 1

Location
MANCHESTER, N.H.

Building #
7

Scale
NONE

Checked
CWP

Drawn
PWM

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Office of Facilities Management

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