ABBREVIATIONS

AMPERE ABOVE FINISHED FLOOR
ABOVE FINISHED GRADE
AUTHORITY HAVING JURISDICTION
AMPERE INTERRUPTING CAPACITY AMERICAN WIRE GAUGE BELOW FINISHED GRADE BUILDING BOTTOM OF STEEL CONDUIT CATV CABLE TELEVISION CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION
CONTROL POWER TRANSFORMER
CURRENT TRANSFORMER CU DACT DB DISC DN EMT EWC DIGITAL ALARM COMMUNICATOR TRANSMITTER
DIRECT BURIED DISCONNECT DOWN ELECTRICAL METALLIC TUBING ELECTRIC WATER COOLER ELECTRIC WATER HEATER FOUIPMENT EXISTING
FIRE ALARM ANNUNCIATOR
FIRE ALARM CONTROL PANEL
FURNISHED BY OTHERS FB0 FLR FLOOR FWE FURNISHED WITH FOUIPMENT GROUND FAULT CIRCUIT INTERRUPT GFCI CLG CEILING GND HP HTR GROUND HORSEPOWER
HEATER
ISOLATED GROUND
INTERMEDIATE METAL CONDUIT KCMII THOUSAND CIRCULAR MILS KILOVOLT - AMPERE
KILOVOLT - AMPERE REACTIVE KILOWATT-HOUR LA LTG MC MCB LIGHTNING ARRESTER LIGHTING ARRESTER
LIGHTING
METAL CLAD
MAIN CIRCUIT BREAKER MANUFACTURER MINERAL INSULATED MAIN LUG ONLY
MASS NOTIFICATION SYSTEM
MOUNTED
MEDIUM VOLTAGE NORMALLY CLOSED NATIONAL ELECTRICAL CODE NC NEC NEG NEUT NIC NO NTS NEGATIVE NORMALLY OPEN NOT TO SCALE POWER FACTOR PF PH PVC RM RSC RTD SN SPD STP STT SWBD POLYVINYL CHLORIDE ROOM RIGID STEEL CONDUIT RESISTANCE TEMPERATURE DETECTOR SOLID NELTRAL SULID NEUTRAL
SURGE PROTECTIVE DEVICE
SHIELDED TWISTED PAIR
SHIELDED TWISTED TRIPLET SWITCHBOARD SWGR TOS TANSF SWITCHGEAR TOP OF STEEL TRANSFORMER VOLT-AMPERE REACTIVE WATT METER

WEATHER PROOF TRANSFORMER EXPLOSION PROOF

GENERAL NOTES

- ALL GENERAL NOTES, SYMBOL LISTS AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWNIGS FOR THIS PROJECT. SYMBOLS AND ABBREVATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC) 2017.
- ALL FIRE ALARM WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-72 AND THE CITY OF PORTLAND FIRE DEPARTMENT RULES AND REGULATIONS.
- FIRE ALARM SHALL BE TESTED PRIOR TO START OF WORK TO ENSURE PROPER OPERATION. TEST FIRE ALARM AFTER COMPLETION OF WORK ENSURE PROPER OPERATION OF COMPLETE SYSTEM.
- REMOVE ALL ELECTRICAL EQUIPMENT COMPLETELY WHERE INDICATED. REMOVE ALL CIRCUIT CONDUCTORS, SWITCHES, LIGHTIMS FIXTURES AND MISCELLANEOUS APPLIANCES BACK TO ENERGIZING SOURCE OR JUNCTION BOX WHERE MULTIPLE EQUIPMENT IS POWERED.
- ALL CONDUCTOR MATERIAL, INCLUDING WIRING, PANELBOARD BUSES, TRANSFORMER WINDINGS, AND GROUNDING SHALL BE COPPER. ALUMINUM CONDUCTORS SHALL NOT BE ALLOWED.
- UNLESS OTHERWISE NOTED, WIRING SHALL BE 2#12 AWG CONDUCTORS AND #12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG
- ALL INTERIOR DISTRIBUTION AND BRANCH WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION. ALL EXTERIOR DISTRIBUTION AND BRANCH WIRING SHALL BE 600V, COPPER WITH XHHW INSULATION.
- ALL INTERIOR CONDUIT SHALL BE TYPE EMT. FLEXIBLE METAL COMDUIT SHALL BE USED ONLY INSIDE EXISTING WALLS AND CEILINGS AS NEEDED. ALL EXTERIOR CONDUIT SHALL BE TYPE SCHEDULE 40 PVC. ALL CONDUIT SHALL BE MINIMUM SIZE. 3/4.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 277/120 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW, LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH
- 11. CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR OR APPROVED SOLVE.
- 12. ALL EQUIPMENT DISCONNECTS AND MANUAL MOTOR STARTERS ARE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE). MOUNT ALL DISCONNECTS AND MOTOR STARTERS IN ACCESSIBLE LICACITON WITHIN SIGHT OF THE LOAD SERVED.
- UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF AND LIGHTING TOGGLE SWITCHES 48-INCHES AFF.
- 14. ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
- 15. EQUIPMENT CONNECTIONS ARE SHOWN FOR BASIS—OF-DESION PRODUCTS. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT CONNECTIONS INCLUDING DISCONNECTING MEANS, OVERCURRENT PROTECTION, AND WRE SIZING WITH SELECTED MANUFACTURER'S RECOMMENDED INSTRUCTIONS.
- 16. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE NECESSARY FOR A COMPLETE INSTALLATION. MOUNT EQUIPMENT AND ROUTE COMDUIT SO AS NOT TO INTERFERE WITH OPERATIONS SUCH AS OVERHEAD DOORS,

- 17. MANUFACTURERS NAME AND MODEL NUMBERS ARE USED THROUGHOUT THE PROJECT FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO HIDICARE THE STANDARD OF MATERIAL. OR ARTICLES REQUIRED. DESIGN IS PREDICATED AROUND LISTED MANUFACTURERS AS NOTED ON SCHEDULES AND NOTES AND IS NOT INTENDED TO LIMIT THE CONTRACTION TO ME MANUFACTURER.
- 18. CARBON MONOXIDE DETECTORS SHALL ACTIVATE A TEMPORAL 4 EVACUATION ALARM SIGNAL DISTINCT FROM A GENERAL FIRE ALARM SIGNAL FACP SHALL TRANSMIT SIGNAL TO PORTLAND FIRE DEPARTMENT.

19. EFFICIENCY MAINE

- 19.1. CONTRACTOR SHALL ASSIST OWNER (PORTLAND HOUSING AUTHORITY) IN APPLYING FOR EFFICIENCY MAINE REBATES FOR NEW LED LIGHT FIXTURES.
- 19.2. NEW FIXTURES SHALL BE ELIGIBLE FOR EFFICIENCY
- MAINE INCENTIVES.

 19.3. INSTALLER SHALL BE A QUALIFIED PARTNER OF EFFICIENCY MAINE.

	TE OF MA	
1.	JASON BEAULEU	
A		
0	SAME ELECTRICAL	

PORTLAND HOUSING AUTHORITY
PORTLAND, MAINE
PHA RIVERTON HEAD START
BUILDING 14, UNITS 102 AND 104

I ISSUED FOR BID JAMB MRIL GOSTORT

EV DESCRIPTION DWN JAPP DATE
ABBREVIATIONS

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