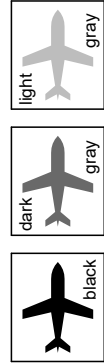


CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.



ELECTRICAL LEGEND:

AFF	ABOVE FINISHED FLOOR	KVA	KILOVOLT AMPERE
A	AMPERE (AMP)	KVAR	KILOVOLT AMPERES REACTIVE
AL	ALUMINUM	LA	LIGHTNING ARRESTOR
AFCI	ARC FAULT CIRCUIT INTERRUPTER	LTG	LIGHTING
ARCH	ARCHITECT / ARCHITECTURAL	LV	LOW VOLTAGE
ASSY	ASSEMBLY	MATV	MASTER ANTENNA TELEVISION
ATS	AUTOMATIC TRANSFER SWITCH	MCA	MINIMUM CIRCUIT AMPS
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BPE	BAGGAGE POWER ENCLOSURE	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MDP	MAIN DISTRIBUTION PANEL
C	CONDUIT	MECH	MECHANICAL
CBRA	CHECKED BAGGAGE RESOLUTION AREA	MIT	MOBILE INSPECTION TABLE
CCTV	CLOSED CIRCUIT TELEVISION	MLO	MAIN LUGS ONLY
CKT	CIRCUIT	MTS	MANUAL TRANSFER SWITCH
CLG	CEILING	NIC	NOT IN CONTRACT
CONC	CONCESSIONS	NGR	NEUTRAL GROUNDING RESISTOR
CT	CURRENT TRANSFORMER	NL	NIGHT LIGHT CIRCUIT
CU	COPPER	N.T.S.	NOT TO SCALE
DAS	DISTRIBUTED ANTENNA SYSTEM	PA	PUBLIC ADDRESS
DIV	DIVISION	PBB	PASSENGER BOARDING BRIDGE
DN	DOWN	PCA	PRE-CONDITIONED AIR
EGB	ELECTRICAL GROUND BAR	PE	PHOTO ELECTRIC CELL
ELECT	ELECTRICAL	PF	POWER FACTOR
ELSE	EXIT LANE SECURITY ENCLOSURE	PLC	PROGRAMMABLE LOGIC CONTROLLER
ELV	ELEVATOR	PNL	PANELBOARD
EM	EMERGENCY	PVC	POLYVINYL CHLORIDE CONDUIT
EMERG	EMERGENCY	PWR	POWER
EMGB	ELECTRICAL MAIN GROUND BAR	PWC	POTABLE WATER CABINET
EMT	ELECTRIC METALLIC TUBING	RCPT	RECEPTACLE
EP	EXPLOSION PROOF	RSP	RESTROOM SENSOR PANEL
EPO	EMERGENCY POWER OFF	SE	SERVICE ENTRANCE
ES	ETHERNET SWITCH	SDP	SUB DISTRIBUTION PANEL
EWC	ELECTRIC WATER COOLER	STR	STARTER
FA	FIRE ALARM	SV	SOLENOID VALVE
FLA	FULL LOAD AMPS	SW	SWITCH
FLUOR	FLUORESCENT	TD	TIME DELAY
FCIC	FURNISHED BY CONTRACTOR	TECH	TECHNOLOGY
	INSTALLED BY CONTRACTOR	TGB	TECHNOLOGY GROUND BAR
FOIC	FURNISHED BY OWNER	TMGB	TECHNOLOGY MAIN GROUND BAR
	INSTALLED BY CONTRACTOR	TGDS	TEMPORARY GENERATOR DOCKNG STATION
FOIO	FURNISHED BY OWNER	TP	TAMPERPROOF
	INSTALLED BY OWNER	TSA	TRANSPORTATION SECURITY ADMINISTRATION
GB	GROUND BAR	TTB	TELEPHONE TERMINAL BOARD
GFP	GROUND FAULT PROTECTION	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TYP	TYPICAL
GND	GROUND	UG	UNDERGROUND
GRC	GALVANIZED RIGID CONDUIT	UNO	UNLESS NOTED OTHERWISE
GSHPs	GROUND SOURCE HEAT PUMP SYSTEM	UPS	UNINTERRUPTABLE POWER SUPPLY
HP	HORSEPOWER	UPSTC	UNINTERRUPTABLE POWER SUPPLY
HV	HIGH VOLTAGE		TIE CABINET
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	USB	UNIVERSAL SERIAL BUS
		V	VOLTAGE
HZ	HERTZ	VA	VOLT AMPERES
IG	ISOLATED GROUND	VP	VAPOR PROOF
JB	JUNCTION BOX	W	WATTS
KW	KILOWATT	WAP	WIRELESS ACCESS POINT
KWH	KILOWATT HOUR	WP	WEATHER PROOF
KV	KILOVOLT	XFMR	TRANSFORMER
		XFSW	TRANSFER SWITCH

PDX ELECTRICAL EQUIPMENT NAMING CONVENTION:

POWER CLASSIFICATION:

BLANK - NORMAL POWER
E - EMERGENCY POWER LEGALLY REQUIRED (NEC 700)
S - STANDBY POWER LEGALLY REQUIRED (NEC 701)
O - OPTIONAL STANDBY POWER (NEC 702)
U - UNINTERRUPTIBLE POWER

VOLTAGE:

2 - 208Y/120V
4 - 480Y/277V
5 - 4160Y/2400V
15 - 12470Y/7200V

EQUIPMENT:

A - AUTOMATIC TRANSFER SWITCH
B - BUSWAY
C - STARTER/CONTROLLER
D - MAIN/SWITCHGEAR DISTRIBUTION PANEL
E - SECTIONALIZING ELBOW CABINET
G - GENERATOR
L - LIGHTING PANEL
LDC - LIGHTING DIMMING RELAY CABINET
LRC - LIGHTING RELAY CABINET
M - MOTOR CONTROL CENTER
P - POWER PANEL
PZ - MINI POWER ZONE
R - RESISTOR
S - SUB DISTRIBUTION PANEL
T - TRANSFORMER
TC - TIE CABINET
U - UPS
V - VARIABLE FREQUENCY DRIVE
W - EXTERNAL UPS WRAP-AROUND BYPASS SWITCH

BUILDING LEVEL OR ELEVATION:

0 - TUNNEL/VAULT/UNDERGROUND
1 - FIRST LEVEL OR GRADE LEVEL (ITEMS EXTERNAL TO TERMINAL)
2 - SECOND LEVEL
3 - THIRD LEVEL
4 - FOURTH LEVEL
5 - FIFTH LEVEL
6 - SIXTH LEVEL
7 - SEVENTH LEVEL

CONCOURSE OR AREA:

AF - AIRFIELD (RUNWAY OR TAXIWAY)
AOA - AIRCRAFT OPERATING AREA
B - CONCOURSE B
C - CONCOURSE C
D - CONCOURSE D
DPS - DEICING PUMP STATION
E - CONCOURSE E
EL - HQ EMPLOYEE PARKING LOT
EXP - ECONOMY LOT EXIT PLAZA BUILDING
GS - GROUND SOURCE WELL SITES
H - HEADQUARTERS (HQ)
HL - TRANSPORTATION PROVIDERS HOLD LOT
M - MAINTENANCE FACILITY
P - PARKING STRUCTURE #1 (SHORT TERM)
P2 - PARKING STRUCTURE #2 (LONG TERM)
P3 - PARKING STRUCTURE #3 (LONG TERM)
PL - PARKING LOT
Q - QTA
R - AIRCRAFT RESCUE & FIREFIGHTING FACILITY (ARFF)
RC - RENTAL CAR CENTER
S - STREET (ITEMS LOCATED ADJACENT TO ROADWAY SYSTEM)
T - TERMINAL (TICKETING AND BAGGAGE)
TP - DEICING TREATMENT PLANT
U - CUP
V - VEHICLE GATE
X - EXIT PLAZA (PARKING EXIT BUILDING)

EQUIPMENT LOCATION WITHIN GRID SYSTEM OR FIELD LOCATED EQUIPMENT:

(WITHIN GRID SYSTEM)
1A - NEAREST GRIDLINE INTERSECTION

IDENTIFIER:

A - FIRST IN SERIES OF EQUIPMENT
B - SECOND IN SERIES OF EQUIPMENT
ETC.

MISCELLANEOUS EQUIPMENT:

ELECTRICAL VEHICLE CHARGING STATION NUMBERING

EV<X> - (AREA)<Y>

<X> = SEQUENTIAL NUMBER
<Y> = LEVEL
(AREA) = CONCOURSE OR AREA

E 4 L 2 T-1A-A

POWER - PLANS:

		WALL RECEPTACLE: DUPLEX, QUADPLEX
		SINGLE WALL RECEPTACLE, FACELESS GFCI REMOTE TEST BUTTON
		DENOTES GFCI
		DENOTES GFCI AND WEATHER PROOF
		DENOTES RECEPTACLE ABOVE COUNTER OR HEIGHT AS NOTED
		SPECIAL PURPOSE RECEPTACLE.
		CEILING RECEPTACLE: DUPLEX, QUADPLEX
		FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
		FLUSH POKE-THROUGH RECEPTACLE. REFER TO SCHEDULE FOR QUANTITY AND TYPES OF DEVICES.
		DENOTES SPLIT-WIRED, HALF SWITCHED / CONTROLLED REFER TO SPECIFICATIONS & PLANS FOR CONTROL INFORMATION.
		DENOTES FULL SWITCHED / CONTROLLED. REFER TO SPECIFICATIONS & PLANS FOR CONTROL INFORMATION.
		SWITCHED / CONTROLLED FLUSH FLOORBOX RECEPTACLE. REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
		SWITCHED / CONTROLLED FLUSH POKE-THROUGH RECEPTACLE. REFER TO SCHEDULE & PLANS FOR CONTROL INFORMATION.
		LETTER DESIGNATOR: E = EMERGENCY IG = ISOLATED GROUND U = UPS P = SURGE PROTECTIVE DEVICE S = STANDBY A = AFCI C = CRITICAL B = WITH USB OUTLETS H = SPLIT RECEPTACLE
		DENOTES PANELBOARD AND CIRCUIT NUMBER.
		DENOTES CIRCUIT NUMBER. REFER TO SHEET GENERAL NOTES FOR PANELBOARD.
		PEDESTAL OUTLET: POWER & SIGNAL COMBINATION
		SURFACE OUTLET STRIP: DIMENSION AS SHOWN. SEE SPECIFICATIONS.
		POWER POLE, POWER, COMBINATION CIRCUITS AS INDICATED.
		JUNCTION BOX
		JUNCTION BOX HOME RUN. CIRCUITS AS INDICATED.
		JUNCTION BOX HOME RUN & FURNITURE FEED. CIRCUITS AS INDICATED.
		CONNECTION TO EQUIPMENT PROVIDED BY OTHERS
		PUSH BUTTON STATION: SINGLE, DOUBLE
		ELECTRICAL EQUIPMENT
		PANELBOARD: SURFACE, RECESSED
		ENCLOSURE: SURFACE, RECESSED
		TRANSFORMER
		DISCONNECT: NON FUSED, FUSED
		GROUND PAD
		NETWORKED POWER METERING/MONITORING
		ENCLOSED CIRCUIT BREAKER



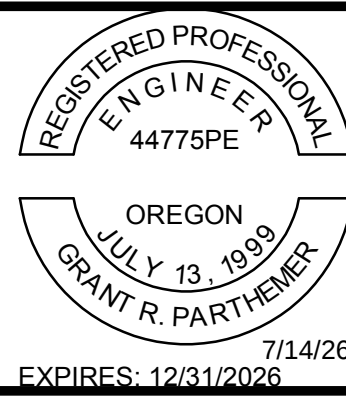
mwa architects



151 SW 1st Avenue #300
Portland, OR 97204

pae-engineers.com

503.226.2921
pae-engineers.com



PORTLAND INTERNATIONAL AIRPORT

TERMINAL RESTROOM REHABILITATION 2026

SYMBOLS, LEGENDS, & ABBREVIATIONS - ELECTRICAL

SUBMITTED BY BRIAN FRANCIS

DESIGNED BY A. NGUYEN

DRAWN BY A. NGUYEN

CHECKED BY J. MUTSCHLER

DATE JULY 2026

SHEET NO. 110

TYPE CD

DRAWING NO.

PDX 2026-510

DISC. SHT. NO.

E0.01