

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

ELECTRICAL PLAN SHEETS

NOTE(S):

1. ELECTRICAL EQUIPMENT, DEVICES AND FEEDERS SHOWN AS HALFTONE ARE EXISTING TO REMAIN, UNLESS NOTED.
2. ELECTRICAL EQUIPMENT, DEVICES AND FEEDERS SHOWN AS FULL-TONE ARE NEW, UNLESS OTHERWISE NOTED
3. INTERIOR RACEWAY SHALL BE CONCEALED WHEN LOCATED WITHIN FINISHED SPACES UNLESS NOTED.
4. RACEWAY SHALL BE IN CEILING UNLESS NOTED.
5. REFER TO ARCHITECTURAL CEILING PLANS, ELEVATIONS, AND FLOOR PLANS FOR LOCATIONS OF CEILING, WALL, AND FLOOR MOUNTED DEVICES AND EQUIPMENT. WHERE INTERIOR ELEVATIONS DIFFER BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS, NOTIFY THE PORT.
6. THE FIRE ALARM SYSTEM IS A CONTRACTOR DESIGN-BUILD SYSTEM. SELECT DEVICES ARE SHOWN FOR COORDINATION. PROVIDE REQUIRED DEVICES TO COMPLY WITH CODE THROUGHOUT REMODELED SPACES. CONTRACTOR SHALL PROVIDE FIRE ALARM/VOICE EVACUATION DEVICES, ACCESSORIES AND ALL ADDITIONAL ITEMS REQUIRED FOR A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM. CONDUIT ROUTING, SIZING, AND QUANTITIES, REFERENCE SPECIFICATION DIVISION 28 46 00 FOR ADDITIONAL INFORMATION.
7. PROVIDE FLEXIBLE CONDUIT CONNECTIONS NEAR EXPANSION JOINTS FOR CONCRETS THIC CROSS SEISMIC EXPANSION JOINTS REFER TO STRUCTURAL DRAWINGS FOR SEISMIC JOINT LOCATIONS.
8. DIVISION 28 TO PROVIDE FIRESTOPPING AT PENETRATIONS THROUGH RATED STAIR ENCLOSURES, RATED EGRESS CORRIDORS, RATED SHAFTS, FLOOR AND CEILING ASSEMBLIES IN ACCORDANCE WITH DIVISION 07.
9. REFER TO SPECIFICATION 28 05 53 FOR PORT STANDARD IDENTIFICATION AND LABELING REQUIREMENTS OF ELECTRICAL EQUIPMENT.

DEMOLITION PLAN SHEETS

NOTE(S):

1. ELECTRICAL EQUIPMENT, DEVICES AND FEEDER SHOWN AS HALFTONE ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. WHERE ALL LOAD IS REMOVED FROM A CIRCUIT, THE CONDUIT, CONDUCTOR AND HANGERS SHALL BE REMOVED IN ENTIRETY BACK TO THE SOURCE PANEL. WHERE CONDUIT IS CONCEALED, REMOVE CONDUCTORS AND ABANDON CONDUIT.
3. REMOVE BRANCH CIRCUITING ASSOCIATED WITH ITEMS IDENTIFIED FOR DEMOLITION. PROVIDE CONDUIT AND CONDUCTORS TO MAINTAIN CONNECTION TO ALL ITEMS THAT REMAIN WHERE SERVICE IS INTERRUPTED WITH DEMOLITION.
4. ALL DEMOLITION ITEMS SHOWN ARE BASED UPON RECORD DRAWINGS AND SITE OBSERVATIONS, NOT ALL DEVICES MAY BE SHOWN.
5. REMOVE ALL BRANCH CIRCUITING AND HANGERS ASSOCIATED WITH ITEMS SHOWN FOR DEMOLITION.
6. AFTER REMOVAL OF ELECTRICAL SYSTEMS, RESTORE DAMAGED SURFACES AND FINISHES TO MATCH EXISTING.
7. THE FIRE ALARM SYSTEM IS CONTRACTOR DESIGN-BUILD. CONTRACTOR TO IDENTIFY ALL FIRE ALARM SYSTEM COMPONENTS AND SYSTEMS FOR DEMOLITION, AND PROVIDE DEMOLITION SHOP DRAWINGS. PROVIDE AND INDICATE SYSTEM RE-ROUTES AND TEMPORARY SYSTEM INTERIM CONDITIONS UNTIL PDX 2021-510 COMPLETED SYSTEM SHOP DRAWINGS ARE AVAILABLE AND SYSTEM BUILD OUT CAN BE COMPLETED.

EQUIPMENT CONNECTION SCHEDULE SHEETS

NOTE(S):

1. REFER TO ONE-LINE DIAGRAM OR PANEL SCHEDULES FOR OVERCURRENT PROTECTION CHARACTERISTICS AND CIRCUIT NUMBERS.
2. COORDINATE EQUIPMENT CONNECTION REQUIREMENTS WITH INSTALLING CONTRACTOR PRIOR TO PERFORMING ANY ELECTRICAL WORK.
3. COMBINATION STARTER/DISCONNECTS AND DISCONNECT SWITCHES SHALL BE LOCATED WITHIN SIGHT OF AND ADJACENT TO EQUIPMENT SERVED. COORDINATE DISCONNECT INSTALLATION AND LOCATION WITH EQUIPMENT INSTALLER.
4. EQUIPMENT LOCATIONS ARE SHOWN ON ELECTRICAL DRAWINGS FOR REFERENCE, BUT MAY NOT INCLUDE EVERY ITEM LISTED IN SCHEDULE. LOCATIONS SHOWN ON OTHER DISCIPLINE DRAWINGS TAKE PRECEDENCE.

ONE LINE SHEETS

NOTE(S):

1. ALL ELECTRICAL EQUIPMENT, DEVICES AND FEEDERS SHOWN AS HALFTONE ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ALL ELECTRICAL EQUIPMENT, DEVICES AND FEEDERS SHOWN AS SOLID DASH ARE DEMOLITION, UNLESS OTHERWISE NOTED.
3. DEMOLISHED ITEMS SHOWN AND ASSOCIATED FEEDERS, CONDUIT, CONDUCTORS AND HANGERS SHALL BE REMOVED IN THEIR ENTIRETY.
4. REFER TO SPECIFICATION FOR EQUIPMENT TO BE SALVAGED AND RETURNED TO PORT.
5. ALL ELECTRICAL EQUIPMENT, DEVICES AND FEEDERS SHOWN AS SOLID ARE NEW, UNLESS OTHERWISE NOTED.

PANEL SCHEDULE SHEETS

NOTE(S):

1. ALL BRANCH CIRCUITS SHOWN IS EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
2. ALL DEMOLISHED BRANCH CIRCUITS SHALL HAVE BREAKER TURNED OFF AND MARKED AS SPARE WITHIN PANEL DIRECTORY.

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	NTS	NOT TO SCALE
DAS	DISTRIBUTED ANTENNA SYSTEM	PA	PUBLIC ADDRESS
DIV	DIVISION	PBB	PASSENGER BOARDING BRIDGE
DN	DOWN	PCA	PRE-CONDITIONED AIR
EOB	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
EWV	ELECTRIC WATER COOLER	STR	STARTER
FA	FIRE ALARM	SV	SOLENOID VALVE
FLA	FULL LOAD AMPS	SW	SWITCH
FLUOR	FLOUORESCENT	TD	TIME DELAY
FCIC	FURNISHED BY CONTRACTOR	TECH	TECHNOLOGY
FOIC	INSTALLED BY CONTRACTOR	TGB	TECHNOLOGY GROUND BAR
FOIO	FURNISHED BY OWNER	TMGB	TECHNOLOGY MAIN GROUND BAR
	INSTALLED BY OWNER	TGDS	TEMPORARY GENERATOR DOCKING STATION
	INSTALLED BY OWNER	TP	TAMPERPROOF
GB	GROUND BAR	TSA	TRANSPORTATION SECURITY ADMINISTRATION
GFP	GROUND FAULT PROTECTION	TTB	TELEPHONE TERMINAL BOARD
GFI	GROUND FAULT INTERRUPTER	TTC	TELEPHONE TERMINAL CABINET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
GSHP	GROUND SOURCE HEAT PUMP SYSTEM	UNO	UNLESS NOTED OTHERWISE
HP	HORSEPOWER	UPS	UNINTERRUPTABLE POWER SUPPLY
HV	HIGH VOLTAGE	UPSTC	UNINTERRUPTABLE POWER SUPPLY
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	USB	UNIVERSAL SERIAL BUS
HZ	HERTZ	V	VOLTAGE
IG	ISOLATED GROUND	VA	VOLT AMPERES
JB	JUNCTION BOX	VP	VAPOR PROOF
KW	KILOWATT	W	WATTS
KWH	KILOWATT HOUR	WAP	WIRELESS ACCESS POINT
KV	KILOVOLT	WP	WEATHER PROOF
		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 - HO EMPLOYEE PARKING LOT
EXP - ECONOMY LOT EXIT PLAZA BUILDING
GS - GROUND SOURCE WELL SITES
H - HEADQUARTERS (HO)
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

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 U = UPS S = STANDBY C = CRITICAL H = SPLIT RECEPTACLE T = TAMPERPROOF RECEPTACLE
		DENOTES PANELBOARD AND CIRCUIT NUMBER.
		DENOTES CIRCUIT NUMBER. REFER TO SHEET GENERAL NOTES FOR PANELBOARD.
		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
		GROUND CONNECTION, GROUND ROD IN TEST WELL
		GROUND PAD
		NETWORKED POWER METERING/MONITORING
		ENCLOSED CIRCUIT BREAKER
		BUSPLUG

FIRE ALARM:

		SPRINKLER SYSTEM SWITCH: FLOW, TAMPER
		MANUAL FIRE ALARM STATION, OUTPUT MODULE
		DETECTOR: IONIZATION, HEAT, PHOTOELECTRIC
		DETECTOR: BEAM TRANSMITTER, BEAM RECIEVER
		DUCT DETECTOR, TYPE AS NOTED
		FIREMANS PHONE JACK
		MAGNETIC DOOR HOLDER, CLOSER
WALL	CEILING	NOTIFICATION DEVICES
		FIRE ALARM: VISUAL
		FIRE ALARM: HORN; HORN W/VISUAL
		FIRE ALARM: SPEAKER; SPEAKER W/VISUAL
		FIRE ALARM: BELL; BELL W/VISUAL
		FIRE ALARM: CHIME; CHIME W/VISUAL

DESIGNATION SYMBOLS:

		STRUCTURAL ENABLING SCOPE IDENTIFIER
		EXISTING TO REMAIN, EXISTING TO BE REMOVED
		REPLACE, RELOCATED EXISTING
		NEW, CONNECT TO FUTURE
		NOTE
		HARDWIRED CONNECTION, SEE SCHEDULE.
		MECHANICAL/PLUMBING CONNECTION, SEE SCHEDULE.
		INTEGRATED TECH POLE

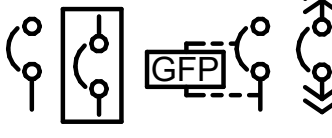
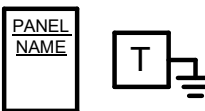
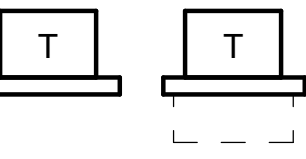
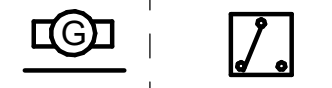
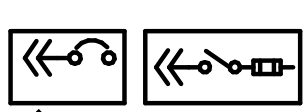
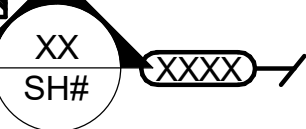
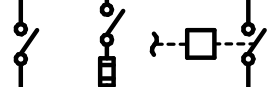
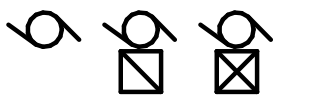
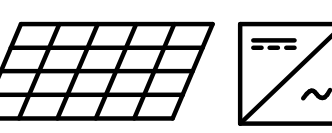
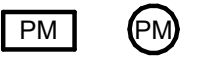
NOTE:

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

LIGHTING LEGEND:

		EMERGENCY TRACK LIGHTING WITH , WITHOUT CURRENT LIMITER
		TRACK LIGHTING: RECESSED: SQUARE, ROUND
		DOWNLIGHT: RECESSED: SQUARE, ROUND
		WALL WASHER: RECESSED: SQUARE, ROUND
		ADJUSTABLE ACCENT: RECESSED: SQUARE, ROUND
		DOWNLIGHT: SURFACE: SQUARE, ROUND
		WALL WASHER: RECESSED SQUARE, ROUND
		ADJUSTABLE ACCENT: SURFACE: SQUARE, ROUND
		ADJUSTABLE ACCENT: MULTILAMP
		LINEAR: RECESSED
		LINEAR: RECESSED ASYMMETRIC
		LINEAR: SURFACE
		LINEAR: SURFACE ASYMMETRIC
		LINEAR: SUSPENDED
		LINEAR: SUSPENDED ASYMMETRIC
		LINEAR: WALL MOUNTED
		LINEAR: WALL MOUNTED ASYMMETRIC
		STRIP LIGHT
		LINEAR: UNDERCABINET
		LINEAR ACCENT: ARCHITECTURE INTEGRATED
		PENDANT: SQUARE, ROUND
		EXIT SIGN: TOP SURFACE OR TOP RECESSED: SINGLE, DOUBLE
		EXIT SIGN: SIDE OR FLAG MOUNT: SINGLE, DOUBLE
		EXIT SIGN: BACK SURFACE MOUNT
		WALL MOUNTED: RECESSED: SQUARE, ROUND
		WALL MOUNTED: SURFACE: SQUARE, ROUND
		POLE-MOUNTED: AREA: SQUARE, ROUND
		POLE-MOUNTED: STREET, RECTANGULAR, OVAL
		POLE-MOUNTED: PEDESTRIAN: SQUARE, ROUND
		BOLLARD 360: SQUARE, ROUND
		BOLLARD 180: SQUARE, ROUND
		INGRADE SQUARE, ROUND
		INGRADE ADJUSTABLE SQUARE, ROUND
		FLOOD LIGHT
		WALL SWITCH: 1 POLE, 2 POLE
		WALL SWITCH: 3 WAY, 4 WAY
		WALL SWITCH: KEY LOCK, MOMENTARY
		WALL SWITCH: LOW VOLTAGE, PILOT
		WALL SWITCH: TIMER, MANUAL DIMMER
		WALL SWITCH: COMBINATION OCCUPANCY SENSOR / SWITCH
		CONTROL STATION SUGGESTED LOCATION
		WALL SWITCH COMBINATION OCCUPANCY SENSOR / DIMMING SWITCH, VACANCY SENSOR/DIMMING SWITCH
		DESIGNATES LUMINAIRE TYPE (SEE LUMINAIRE SCHEDULE)
		YY DENOTES UNIQUE FIXTURE ID (WHERE DMX CONTROLLED)
		DESIGNATES NORMAL LUMINAIRE ZONE, DESIGNATES EMERGENCY LUMINAIRE ZONE (SEE LIGHTING CONTROL SCHEDULE)
		DESIGNATES EMERGENCY FIXTURE
		PHOTOELECTRIC CELL, WALL MOUNTED, CEILING MOUNTED
		OCCUPANCY SENSOR: CEILING OR WALL MOUNTED
		"X" DESIGNATES DEVICE TYPE: U: ULTRASONIC R: INFRARED DT: DUAL TECHNOLOGY
		LIGHTING CONTROL RELAY SUGGESTED LOCATION
		LIGHTING DRIVER SUGGESTED LOCATION
		POWER PACK SUGGESTED LOCATION

POWER - SINGLE LINE DIAGRAM & RISER:

	CIRCUIT BREAKER, ENCLOSED, WITH GROUND FAULT PROTECTION, DRAW OUT
	DISTRIBUTION BOARD, WITH INTERNAL BUS
	PANELBOARD, TRANSFORMER
	SERVICE TRANSFORMER, WITH VAULT
	GENERATOR, AUTOMATIC TRANSFER SWITCH
	UTILITY METER, METER
	VOLTAGE SENSOR, CURRENT SENSOR
	SURGE PROTECTION DEVICE, PUSH BUTTON
	ELECTRICAL BUSDUCT RISER, BUS PLUG-IN CIRCUIT BREAKER, BUS PLUG-IN FUSED SWITCH
	FEEDER CONTINUATION CALLOUT, FEEDER TAG
	FEEDER: DROP, RISE, CAP, BREAK, CONTINUATION
	SWITCH, FUSED SWITCH, SWITCH WITH OPERATOR
	DISCONNECT, FUSED DISCONNECT, ENCLOSED CIRCUIT BREAKER
	MOTOR, MOTOR WITH CONTROLLER, MOTOR WITH STARTER
	PV ARRAY, INVERTER
	NETWORKED POWER METERING/MONITORING
	ETHERNET SWITCH
	UTILITY METER, OR TENANT PROVIDED METER