

ELECTRICAL SYMBOL LIST

LIGHTING SYMBOLS

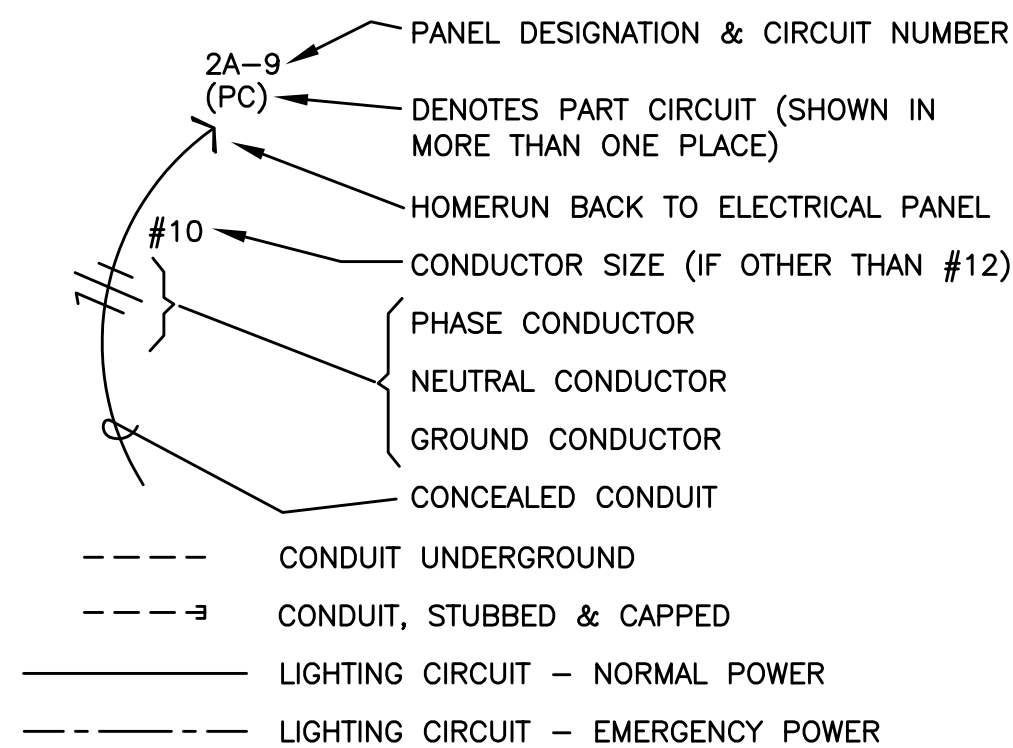
	FLUORESCENT LIGHT FIXTURE, RECESSED. TYPE AS NOTED.
	FLUORESCENT LIGHT FIXTURE, RECESSED - EMERGENCY
	FLUORESCENT LIGHT FIXTURE, SURFACE MOUNT
	FLUORESCENT LIGHT FIXTURE, STRIP
	FLUORESCENT LIGHT FIXTURE, STRIP - EMERGENCY
	DOWNLIGHT FIXTURE, RECESSED
	DOWNLIGHT FIXTURE, RECESSED - EMERGENCY
	FLUORESCENT LIGHT FIXTURE, WALL MOUNT
	LIGHT FIXTURE, WALL MOUNT
	LIGHT FIXTURE, TRACK W/ HEADS AS SHOWN ON PLAN
	EXIT SIGN, UNIVERSAL SYMBOL, W/ DIRECTIONAL ARROW
	VANITY LIGHT, MOUNTED 6" ABOVE MIRROR
	AREA LUMINAIRE, POLE MOUNT

SWITCH SYMBOLS

\$	SWITCH, SPST +44" A.F.F.
\$ ₃	SWITCH, 3-WAY +44" A.F.F.
\$ ₃₍₂₎	(2) SWITCHES, 3-WAY +44" A.F.F.
\$ ₄	SWITCH, 4-WAY +44" A.F.F.
\$ ₀	SWITCH, DIMMER +44" A.F.F.
\$ _p	SWITCH, SPST, W/PILOT LIGHT +44" A.F.F.
\$ _k	SWITCH, KEY-OPERATED +44" A.F.F.

	PHOTOEYE
	OCCUPANCY SENSOR CONTROL, CEILING MOUNTED
	OCCUPANCY SENSOR CONTROL-TYPE 1 WITH INTEGRAL SWITCHES FOR DOUBLE SWITCHING, WALL MOUNTED

WIRING SYMBOLS



NOTATIONS

	DRAWING NOTE
	DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
	MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
	REVISION DELTA
	FEEDER NO. (SEE FEEDER SCHEDULE)

POWER SYMBOLS

	RECEPTACLE, DUPLEX +18" AFF
	RECEPTACLE, QUAD +18" AFF
	RECEPTACLE, MT'D ABOVE COUNTER OR HT. INDICATED
	RECEPTACLE, DUPLEX ON 'SWITCHED' CIRCUIT +18" AFF
	RECEPTACLE, QUAD ON 'EMERGENCY' CIRCUIT +18" AFF
	EMERGENCY DEVICES MT'D ABOVE COUNTER OR HT. INDICATED
	FURNITURE SYSTEM CONNECTION POKE THRU
	RECEPTACLE, SPECIAL (COORDINATE WITH EQUIPMENT SERVED)
	FLOORBOX WITH QUAD RECEPTACLE, REFER TO LOW VOLTAGE DRAWINGS FOR ADD'L REQUIREMENTS
	POWER POLE
	MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER
	RELAY
	PUSHBUTTON STATION
	JUNCTION BOX
	THERMOSTAT, +44" AFF
	TRANSFORMER
	DISCONNECT, NON-FUSED
	DISCONNECT, FUSED
	MOTOR
	277/480V ELECTRICAL PANEL
	120/208V ELECTRICAL PANEL
	ELECTRICAL PANEL, RECESSED (FLUSH)
	ELECTRICAL PANEL, SURFACE
	MISCELLANEOUS PANEL, RECESSED
	MISCELLANEOUS PANEL, SURFACE

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	GND	GROUND	SPD	SURGE PROTECTIVE DEVICE (TVSS)
AFG	ABOVE FINISH GRADE	HID	HIGH INTENSITY DISCHARGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
'ATS'	AUTOMATIC TRANSFER SWITCH	HP	HORSEPOWER	UG	UNDERGROUND
BOF	BOTTOM OF FIXTURE	JB	JUNCTION BOX	UNO	UNLESS NOTED OTHERWISE
C (C/W)	CONDUIT (CONDUIT & WIRE)	MCB	MAIN CIRCUIT BREAKER	VFD	VARIABLE FREQUENCY DRIVE
CATV	CABLE TELEVISION	MLO	MAIN LUGS ONLY	W	WIRE
CB	CIRCUIT BREAKER	'MTS'	MANUAL TRANSFER SWITCH	WG	WIRE GUARD
CCT	CIRCUIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	WP	WEATHERPROOF
CF/CI	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED	NEC	NATIONAL ELECTRICAL CODE	XFMR	TRANSFORMER
CT	CURRENT TRANSFORMER	NIC	NOT IN CONTRACT	XP	EXPLOSION PROOF
DBL	DOUBLE (AS IN DOUBLE SWITCHED)	NL	NIGHT LIGHT		
(E)	EXISTING	OL	OVERLOAD		
EG	EQUIPMENT GROUND	OF/OI	OWNER FURNISHED / OWNER INSTALLED		
EPO	EMERGENCY POWER OFF	OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED		
FA	FIRE ALARM	(PC)	PART CIRCUIT		
FACP	FIRE ALARM CONTROL PANEL	RGSC	RIGID STEEL CONDUIT		
GFI	GROUND FAULT INTERRUPTER	SEC	SECONDARY		

ONE LINE DIAGRAM SYMBOLS

	CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
	MAIN SWITCH (RATING & POLES AS INDICATED ON PLAN)
	FUSE (RATING & CLASS AS INDICATED ON PLAN)
	GENERATOR (RATING AS INDICATED ON PLAN)
	TRANSFORMER (RATING AS INDICATED ON PLAN)
	TRANSFER SWITCH (MANUAL OR AUTOMATIC)
	FUSE (RATING & CLASS AS INDICATED ON PLAN)
	GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
	WATER PIPE GROUND ELECTRODE
	UTILITY METER & METER BASE
	UTILITY METER CURRENT TRANSFORMER

(SCALE AS INDICATED ON PLANS)

(SCALE AS INDICATED ON PLANS)

(SCALE AS INDICATED ON PLANS)

FIRE RATED INSTALLATION NOTE:

ELECTRICAL ITEMS (LIGHT FIXTURES, BOXES, ETC.) WHICH ARE RECESSED INTO FIRE-RATED CEILINGS OR WALLS, SHALL BE 'ALCOVED' IN GYPSUM BOARD ENCLOSURES PER ARCHITECTURAL DETAILS, OR THE DEVICES SHALL BE 'UL' LISTED WITH FIRE-RATING EQUAL TO OR GREATER THAN THE FIRE-RATING OF THE ADJACENT CONSTRUCTION.

1. SYMBOLS & ABBREVIATIONS MAY OR MAY NOT APPLY TO PROJECT
2. REFER TO LOW VOLTAGE DRAWINGS FOR ASSOCIATED SYMBOLS

STUDIO

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IN THE EVENT CONFLICTS ARE DISCOVERED
BETWEEN THE ORIGINAL SIGNED AND SEALED
DOCUMENTS PREPARED BY THE ARCHITECTS
AND/OR THEIR CONSULTANTS, AND ANY COPY OF
THE DOCUMENTS TRANSMITTED BY MAIL, FAX,
ELECTRONICALLY OR OTHERWISE, THE ORIGINAL
SIGNED AND SEALED DOCUMENTS SHALL GOVERN.

PROJECT # 2014-75
DATE: 10-08-2015

REVISIONS
02.05.16 PLAN REVIEW

VANCOUVER AVE PHASE II
MIXED USE BUILDING
NEC N VANCOUVER AVE & N SHAVER ST, PORTLAND, OR 97227

SHEET:

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