TELCOM SYMBOL LIST

SIGNAL SYMBOLS

- TELEPHONE OUTLET +18" A.F.F.
- W — WALL TELEPHONE OUTLET +48" A.F.F.
- CABLE FOR WIRELESS ACCESS POINT
- (2) PORTS PER OUTLET +18" A.F.F., U.O.N.
- C — 'C' INDICATES OUTLET ABOVE COUNTER
- (X) — 'X' INDICATES CABLE/PORT COUNT IN FP
- OUTLET IN FLOOR BOX (2) PORTS U.O.N.
- OUTLET INSTALLED IN POKE-THROUGH
- CATV OUTLET +18" A.F.F., U.O.N.
- JUNCTION BOX
- AV — AUDIO/VISUAL OUTLET +18" A.F.F., U.O.N.
- CLOCK
- FLOOR STANDING DATA RACK
- DOUBLE SIDED VERTICAL CABLE MANAGER
- LADDER RACK/ CABLE TRAY

WIRING SYMBOLS

- 1-1/4"C — CONDUIT SIZE
- CONDUIT (UNDER SLAB OR FLOOR)
- FLEXIBLE CONNECTION
- CONDUIT, STUBBED & CAPPED

FIRE ALARM SYMBOLS

- F — FIRE ALARM MANUAL PULL STATION, +48" A.F.F.
- M — MAGNETIC DOOR HOLDER
- I — SMOKE DETECTOR, DUCT, IONIZATION TYPE W/SAMPLING TUBE
- P — SMOKE DETECTOR, DUCT, PHOTO TYPE W/SAMPLING TUBE
- I — SMOKE DETECTOR, IONIZATION TYPE
- P — SMOKE DETECTOR, PHOTO TYPE
- H — HEAT DETECTOR, RATE-OF-RISE OR FIXED TEMP.
- FIRE MAIN FLOW DETECTION SWITCH
- FIRE MAIN TAMPER DETECTION SWITCH
- FIRE ALARM BELL, +80" A.F.F., U.O.N.
- F — FIRE ALARM HORN, +80" A.F.F.
- F — FIRE ALARM HORN/STROBE, +80" TO 96" A.F.F.
- F OR F — FIRE ALARM STROBE, +80" TO 96" A.F.F.
- IM — FIRE ALARM INPUT MODULE
- OM — FIRE ALARM OUTPUT MODULE
- FACP — FIRE ALARM CONTROL PANEL
- FARA — FIRE ALARM REMOTE ANNUNCIATOR
- S — STAND ALONE – RESIDENTIAL SMOKE DETECTOR 120V W/ BATTERY
- CO — CARBON MONOXIDE DETECTOR RESIDENTIAL 120V W/ BATTERY

NOTATIONS

- 1 — DRAWING NOTE
- 2 / E3 — DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
- EF / 2 — MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
- AAA — EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)

SECURITY SYMBOLS

- CCTV CAMERA
- PTZ — DOME CAMERA (W/ PTZ OR FIX)
- I 'X' — INTRUSION SENSOR ('X' INDICATES DEG. OF COVERAGE)
- G.B. — GLASS BREAK SENSOR
- D — DOOR POSITION SENSOR
- K — KEYPAD +48" A.F.F.
- C.R. — PROXIMITY CARD READER +48" A.F.F.
- E.L. — ELECTRIC LATCH/LOCK
- REX — REQUEST TO EXIT DEVICE
- APPROX. CAMERA VIEW
- ENTRY — APARTMENT ENTRY SYSTEM

PAGING AND INTERCOM SYMBOLS

- S — CEILING MOUNTED SPEAKER
- S — WALL MOUNTED SPEAKER
- INTERCOM CALL SWITCH
- SIGNAL BUZZER
- SIGNAL HORN
- VC — VOLUME CONTROL +48" A.F.F.
- Z01 — HOMERUN TO EQUIPMENT
- ZONE INDICATION
- SPEAKER CONNECTION, NOT INDICATING CABLE PATH

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
APP.	APPROXIMATE
C	CONDUIT
C.O.	CONDUIT ONLY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING MOUNTED
(E)	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FP	FACEPLATE
FS	FLOW SWITCH (SEE FIRE ALARM SYMBOLS)
FSD	FIRE/SMOKE DAMPER
GND	GROUND
I R	INFRARED
JB	JUNCTION BOX
N.I.C.	NOT IN CONTRACT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P.A.	PUBLIC ADDRESS
P.E.T.	PROTECTIVE ENTRANCE TERMINAL
SD	SMOKE DAMPER
TS	TAMPER SWITCH (SEE FIRE ALARM SYMBOLS)
TTB	TELEPHONE TERMINAL BOARD
TYP.	TYPICAL
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
W.G.	WIRE GUARD
W.P.	WEATHERPROOF
X.P.	EXPLOSION PROOF

NOTE: SOME OF THE SYMBOLS AND ABBREVIATIONS ON THIS LIST MAY NOT APPLY TO THIS PROJECT.

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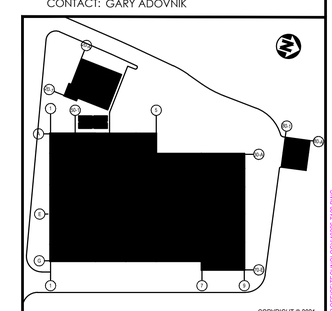

FIRE RATED INSTALLATION NOTE:

TECHNOLOGY AND LOW VOLTAGE ITEMS 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.

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APPROVED FOR _____

CLIENT PROJECT MGR | DEPARTMENT MGR | PROJECT MGR

PROJECT PHASE

PROJECT NO. 6817210029

SCALE AS NOTED

	BY	DDMMMYY
DES	DMT	
DRN		
CHK	RLC	
APP		

FOOTHILLS WATER PARTNERS
EPC^R AECON wood. FLANC
wood.

SUBJECT
ELECTRICAL
SYMBOL LIST

CITY OF LAKE OSWEGO
FOOTHILLS ROAD
LAKE OSWEGO
OREGON

AREA 50 — AREA NAME WASTEWATER TREATMENT PLANT

PROJECT TITLE
LAKE OSWEGO WASTEWATER TREATMENT FACILITY

DRAWING NO. 10296-T100 — REV

SAVED: 03-Dec-21 12:07 PM PLOTTED: 03-Dec-21 12:08 PM USER: GARY ADOVNIK

CAD FILE: G:\10-PROJ\LAKE OSWEGO WWTP EPC\ELECTRICAL\10296-T100.DWG

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