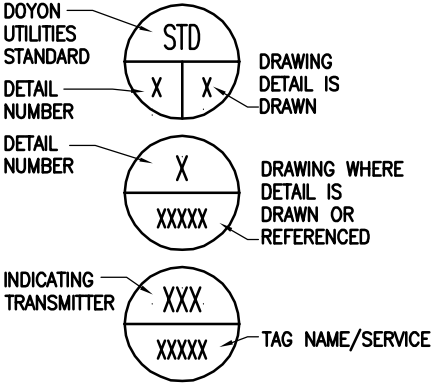


ABBREVIATIONS:

A	ANCHOR
ACM	ASBESTOS CONTAINING MATERIAL
C	RIGID STEEL CONDUIT
CMP	CORRUGATED METAL PIPE
CP	CONTROL PANEL
CV	CONTROL VALVE
DCW	DOMESTIC COLD WATER
DIP	DUCTILE IRON PIPE
DIP@50%	DUCTILE IRON PIPE WITH SLOPE
DLG	DELUGE
DU	DOYON UTILITIES
(E)GRD	EXISTING GRADE
EJ	EXPANSION JOINT
FH	FIRE HYDRANT
FM	FORCED MAIN
G	GROUND
GCO	GRADE CLEAN OUT
GFI	GROUND FAULT INTERRUPTER
H5-1-1S	SANITARY MANHOLE NO.
H5-1-1F	EXISTING FIRE HYDRANT NO.
H5-1-1H	NEW FIRE HYDRANT NO.
H5-1-1	VAULT NO.
HPR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
INV	INVERT
LPR	LOW PRESSURE CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
MH	ACCESS VAULT
MPR	MEDIUM PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
(N)GRD	NEW GRADE
NRS	NON-RISING STEM VALVE
PCR	PUMPED CONDENSATE RETURN
PP	POWER PANEL
RECIR	RECIRCULATION OF DCW MAINS
SAN	GRAVITY SEWER
TOL	TOP OF LID
UG	NO DIRECT VAULT ACCESS

V	VALVE
VAC	VOLTS – ALTERNATING CURRENT
VDC	VOLTS – DIRECT CURRENT
VLT	VAULT

STANDARD SYMBOLS:



SYMBOLS:

	POINT OF REMOVAL (DEMOLITION)
	POINT OF CONNECTION (NEW WORK)
	NEW WORK (PER DISCIPLINE)
	NEW WORK (OF OTHER DISCIPLINES)
	EXISTING TO REMAIN (BY OTHERS)
	UNDERGROUND UTILITIES (AS NOTED ON DRAWINGS)
	ACCESS HATCH
	VENTILATION STACK
	BOLLARD
	POINT OF DEMARCATION
	THRUST BLOCK
	HYDRANT
	STEAM TRAP ASSEMBLY
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	REDUCTION
	METER (FLOW)
	ANCHOR
	EXPANSION JOINT
	ELECTRIC CONTROL VALVE
	PUMP
	PIPE GUIDE
	HOMERUN CONDUIT WITH PANELBOARD AND CIRCUIT SHOWN
	120 VAC DUPLEX RECEPTACLE
	120 VAC DUPLEX GROUND FAULT INTERRUPTION RECEPTACLE
	LIGHT SWITCH
	LED LIGHT WITH JUNCTION BOX
	JUNCTION BOX

SYMBOLS:

	DISCRETE DEVICE WITH (2) #14 UNLESS OTHERWISE NOTED. DISCRETE DEVICE (THHN)
	DISCRETE DEVICE WITH (1) BELDEN 8461 UNLESS OTHERWISE NOTED. DISCRETE DEVICE (CABLE)
	ANALOG DEVICE WITH (1) BELDEN 8760 UNLESS OTHERWISE NOTED. 2-WIRE ANALOG DEVICE
	ANALOG DEVICE WITH (1) VENDOR CABLE UNLESS OTHERWISE NOTED. VENDOR SENSOR
	DISCRETE DEVICE WITH (1) BELDEN 8791 UNLESS OTHERWISE NOTED. LIMIT SWITCHES (2)
	DISCRETE DEVICE WITH (4) #12 AND (1)-#12 GND. UNLESS OTHERWISE NOTED. ELECTRIC 2-POSITION VALVES

REV. NO.	DATE	DESCRIPTION	<div>FOSDICK & HILMER CONSULTING ENGINEERS 309 VINE STREET, SUITE 50 TELEPHONE (513)241-5640</div> <div>CINCINNATI, OHIO 45202 WWW.FHENG.COM</div>	<div>DOYON UTILITIES</div> <div>Jimmy Huntington Building 714 Fourth Avenue, Suite 201 Fairbanks, Alaska 99701 Telephone (907) 455-1500 Fax (907) 455-6788</div>	Date: 19 FEB 2010	UTILITY SERVICE EXTENSION TO AIRCRAFT PARTS STORAGE SYMBOLS, ABBREVIATIONS & GENERAL NOTES FORT WAINWRIGHT, AK. DU PROJECT NO. J101395, 101396, 101397	Drawing No. X-01
	04/09/10	ISSUED FOR CONSTRUCTION			Scale: NTS		
					Designed By: DLW		
					Drawn By: CDH		
					Checked By: NEM		