

POWER (SCHEMATIC & SINGLE LINE)	
	POWER TRANSFORMER
	DELTA - WYE TRANSFORMER
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	CIRCUIT BREAKER A = AMPS P = POLE(S) LSI = LONG-TIME + SHORT-TIME + INSTANTANEOUS LSIG = LONG-TIME + SHORT-TIME + INSTANTANEOUS + GROUND FAULT
	DRAW OUT CIRCUIT BREAKER A = AMPS P = POLE(S)
	ZONE SELECTIVE INTERLOCKING (ZSI)
	KIRK KEY INTERLOCK
	CAPACITOR
	FUSED DISCONNECT
	FUSE
	FUSE WITH TERMINALS
	3-WAY TRANSFER SWITCH
	3 POSITION SWITCH
	(N.O.) NORMALLY OPEN CONTACT
	(N.C.) NORMALLY CLOSED CONTACT
	GENERAL SWITCH
	PUSHBUTTON SWITCH (NO) NORMALLY OPEN
	PUSHBUTTON SWITCH (NC) NORMALLY CLOSED
	MUSHROOM HEAD PUSHBUTTON SWITCH
	TIMER CONTACT INSTANT CLOSE (OFF DELAY)
	THERMAL SWITCH (NC) NORMALLY CLOSES ON RISING TEMP.
	TRANSIENT SURGE PROTECTOR
	RESISTOR
	OVERLOAD
	GROUND
	RELAY PILOT LIGHT WHERE X DENOTES: A = AMBER B = BLUE C = CLEAR R = RED G = GREEN W = WHITE
	RELAY OPERATING COIL
	UTILITY METER
	REDUCED VOLTAGE STARTER
	SURGE PROTECTION DEVICE
	DISCONNECT SWITCH
	FUSED DISCONNECT IN ENCLOSURE
	COMBINATION FVNR MAGNETIC STARTER WHERE X = STARTER SIZE
	FIELD WIRING
	MANUFACTURER WIRING

TERMINAL	
	STARTER TERMINAL
	RVS TERMINAL
	RTU TERMINAL
	LOCK-OUT RELAY PANEL TERMINAL

POWER	
	DUPLEX RECEPTACLE
	ELECTRICAL PANELBOARD - SURFACE MOUNTED
	SITE ELECTRICAL HYDRO POLE
	RECTANGULAR JUNCTION BOX
	FIELD DEVICE EQUIPMENT
	EQUIPMENT LOAD
	MOTOR
	MOTOR STARTER
	LOCAL DISCONNECT SWITCH
	CONDUIT RUN DOWN
	CONDUIT RUN UP
	CONDUIT HOMERUN
	CONDUIT STUB END
	GROUND ROD
	GROUND WELDED CONNECTION
	EMERGENCY STOP PUSHBUTTON (MUSHROOM HEAD TYPE)

LIGHTING	
	SUSPENDED OR SURFACE MOUNT LIGHT FIXTURE
	SUSPENDED OR SURFACE MOUNT LIGHT FIXTURE - NIGHT LIGHT CIRCUIT
	POLE MOUNT LUMINAIRE
	CEILING MOUNT PENDANT
	1 POLE WALL SWITCH

EMERGENCY LIGHTING	
	EXIT SIGN C/W BATTERY BANK AND REMOTE HEAD (DOUBLE)

GROUNDING	
	BURIED OR CONCEALED GROUND CONDUCTOR
	EXOTHERMIC CONNECTION
	COPPER CONDUCTOR PIGTAIL
	GROUND ROD
	BOLTED/COMPRESSION CONNECTION

GENERAL	
	DETAIL / SECTION REFERENCE
	DRAWING REFERENCE



B.M.	-
ELEV.	-
NO.	REVISIONS
00	ISSUED FOR TENDER AND CONSTRUCTION
DATE	2019/07/12
DESIGN	LU
CHECK	JAB

KGS GROUP CONSULTING ENGINEERS	
DESIGNED BY: L. UPPAL	CHECKED BY: J. BOUCHARD
DRAWN BY: G. NELSON	APPROVED BY: J. BOUCHARD
SCALE: AS NOTED	ISSUED FOR CONSTRUCTION BY: DATE: 2019/07/12
CONSULTANT NO.: 19-0107-002_E01	

ENGINEER'S SEAL

 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT		
CLIFTON FLOOD PUMPING STATION UPGRADES		
ELECTRICAL LEGEND		
CITY DRAWING NUMBER	SHEET	REV. SIZE
1-0125F-E0002-001	00	A1