



O 16-04-19 Issued for Construction

No. DATE ISSUANCE

Seal



Certificate of Authorization

Epp Siepman Engineering Inc.

No. 4035



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Winnipeg, MB R3B 0P4

T 204 453 1080

Client

Project
PAN AM POOL VALVE AND SERVICES
REPLACEMENTS
25 POSEIDON BAY

Sheet Title

ELECTRICAL SCHEDULES

1 : 100

Bid
Opportunity
383-2016

E1.3

MECHANICAL EQUIPMENT SCHEDULE

NO.	DESCRIPTION	ROOM	LOAD			VOLT	PH	CIRCUIT	CONDUIT & WIRE SIZE	STARTER	CONTROL DEVICE		DISCONNECT		NOTES	
			HP	A	W					COMPONENT	FURN. INST. WIRED	COMPONENT	FURN. INST. WIRED	COMPONENT		FURN. INST. WIRED
P-1b	PUMP		5 HP	0 A	0 W	208 V	3	R-43,44,45	21(3/4")C-3#10 #10 GND	FVNR	DIV. 26 DIV. 26 DIV. 26	S/S RP GP	DIV. 26 DIV. 26 DIV. 26	NFS	DIV. 26 DIV. 26 DIV. 26	

STARTER TYPES:
 FVNR FULL VOLTAGE NON-REVERSING
 FVR FULL VOLTAGE REVERSING
 2-SPD TWO SPEED
 VFD VARIABLE FREQUENCY DRIVE
 RVS REDUCED VOLTAGE

COMBINATION DISCONNECT TYPES:
 FS FUSED SWITCH
 NFS NON-FUSED SWITCH
 MCP MOTOR CIRCUIT PROTECTOR
 CB CIRCUIT BREAKER

CONTROL DEVICES:
 HOA HAND-OFF-AUTO SWITCH
 RP RED (RUN) PILOT LIGHT
 GP GREEN (POWER) PILOT LIGHT
 O/O ON-OFF SELECTOR SWITCH
 S/S STOP-START PUSHBUTTONS

ABBREVIATIONS:
 EC ELECTRICAL CONTRACTOR
 MC MECHANICAL CONTRACTOR
 GC GENERAL CONTRACTOR
 TC TEMPERATURE CONTROL

GENERAL NOTES:
 A. CIRCUITING IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING ARRANGEMENTS ON SITE WITH EXISTING CONDITIONS.
 B. WIRING BETWEEN VSIDS AND MOTORS SHALL BE RATED FOR VSD USE.
 C. INPUT AND OUTPUT CONDUCTORS TO AND FROM VFD'S SHALL BE INSTALLED IN SEPARATE RACEWAYS, INDEPENDENT FROM ANY OTHER CONDUCTORS, AND SHALL NOT PASS THRU ANY COMMON WIREWAY OR RACEWAY

NOTES:
 1. N/A