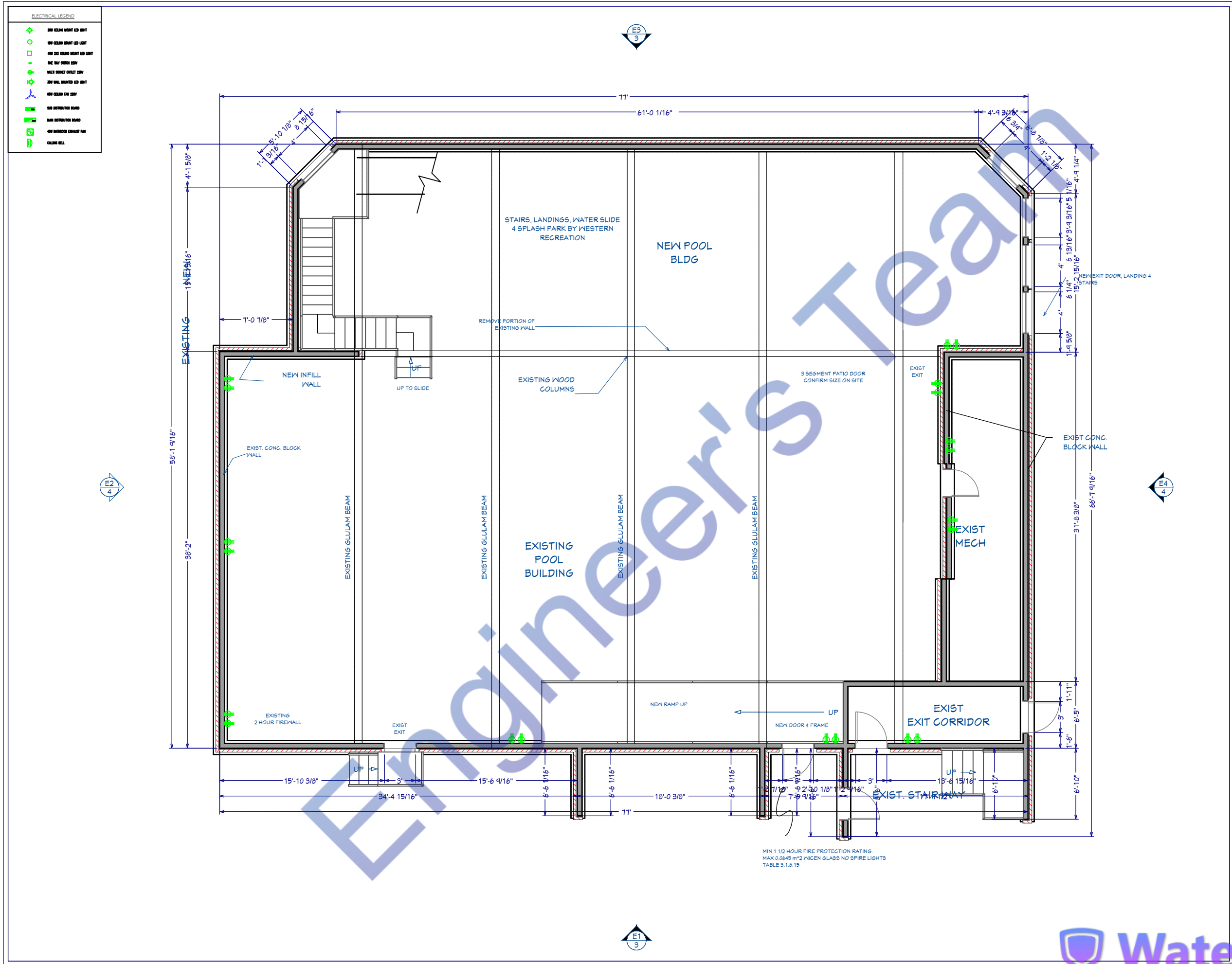




AIRPORT MOTOR INN/POOL
PATIO ADDITION
170 Murray Park Rd, Winnipeg, MB
R3J 3X5, Canada

ELECTRICAL PLAN

DRAWINGS BY:
ENGR. AL AMIN

DATE:

6/4/2024

SCALE:

1:100

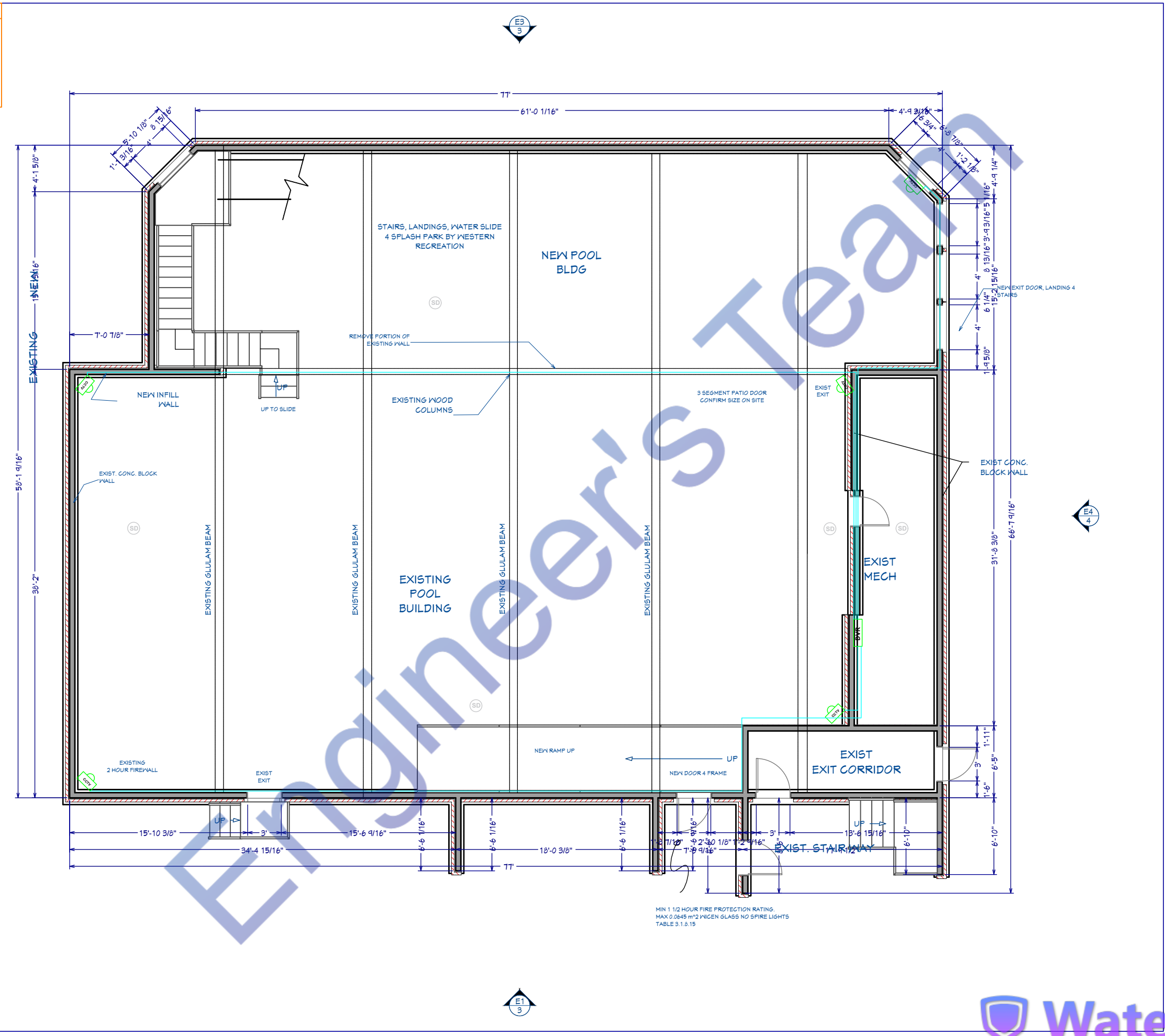
SHEET:

A-6

Watermarkly

TELECOMMUNICATION LEGEND

- CCTV CLOSE CIRCUIT TELEVISION
- AC AC THERMOSTAT
- SS SOUND SYSTEM SPEAKER
- DVR DIGITAL VIDEO RECORDER
- SD SMOCK DETECTOR



AIRPORT MOTOR INN/POOL
PATIO ADDITION

170 Murray Park Rd, Winnipeg, MB
R3J 3X5, Canada

ELECTRICAL LOW
VOLTAGE PLAN

DRAWINGS BY:
ENGR. AL AMIN

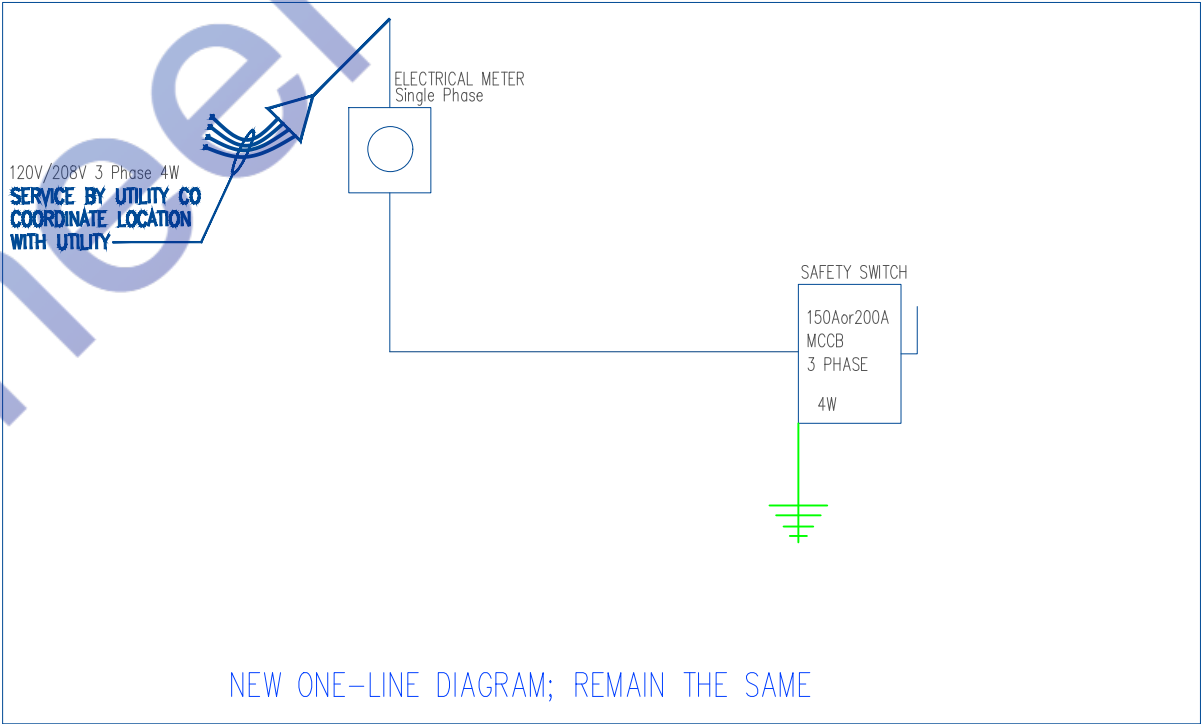
DATE:
6/4/2024

SCALE:
1:100

SHEET:
A-7

ELECTRICAL PANEL M															
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE A	PHASE B	PHASE C	WIRE SIZE	BKR TRIP	TYPE	CKT #	LOAD SERVED
WATER PUMP	1		30	#10	2982.8			2000			#14	20		2	LIGHTS & OTHERS
WATER HEATER	3		30	#10		2000			15826		#14	20		4	HVAC & TONS
	5		30	#10			2000			15826	#14	20		6	
	7		20	#12	0			0			#14	20		8	
SPAR	9		20	#12		0		0			#14	20		10	SPAR
	11		20	#14			0		0		#14	20		12	
TOTAL VA PHASE A					2982.8		2000								4962.8
TOTAL VA PHASE B							2000		15826						17826
TOTAL VA PHASE C									15826						17826
TOTAL VOLT-AMPS															40635
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE TO PHASE)								208		AMPS		195			
DIVIDE AMPS BY 3 PHASE MULTIPLIER								1.732		3 PHASE AMPS		113			
TOTAL CONNECTED LOAD (AMPS)															113
TOTAL CONNECTED LOAD (AMPS) @ 125%										141					
MAIN TYPE AND AMPERE RATING								150 - 200 AMP MCCB							
PANEL FEEDER SIZE - SEE RISER DIAGRAM															

1 PANEL SCHEDULE & SERVICE CALCULATION



1 SINGLE LINE DIAGRAM

AIRPORT MOTOR INN/POOL
PATIO ADDITION
170 Murray Park Rd, Winnipeg, MB
R3J 3X5, Canada

ELECTRICAL LOAD
SHEDULE PLAN

DRAWINGS BY:
ENGR. AL AMIN

DATE:

6/4/2024

SCALE:

NO SCALE

SHEET:

A-8