

Panel Board: EXISTING PANEL R741										Rating: 120/208V/3Ø/4Wire 225A	
Item	Load(KW)	Breaker	CCT	A	B	C	CCT	Breaker	Load(KW)	Item	
LIGHTS: UPSTAIRS	0.80	15A/1P	1	●			2	15A/1P	0.25	RECEPT. DOWNSTAIRS	
LIGHTS: OUTSIDE	0.80	15A/1P	3		●		4	15A/1P	0.25	RECEPT. DOWNSTAIRS	
LIGHTS: MAIN FLOOR	0.80	15A/1P	5			●	6	20A/1P		SPARE	
LIGHTS: DOWNSTAIRS	0.80	15A/1P	7	●			8	15A/1P	2.50	WETWELL HEATER	
LIGHTS: DOWNSTAIRS	0.80	15A/1P	9		●		10	15A/1P	0.25	SUMP PUMP VALVE HOUSE	
LRV-1 PIT RECEPT.	0.25	15A/1P	11			●	12	15A/1P	0.25	COMPRESSOR /RECORDER	
LAV-1 PIT RECEPT.	0.25	15A/1P	13	●			14	20A/1P	0.25	CHEMICAL ROOM EXHAUST FAN HF2	
LRV-2 PIT RECEPT.	0.25	15A/1P	15		●		16	20A/1P		SPARE	
LAV-2 PIT RECEPT.	0.25	15A/1P	17			●	18	20A/1P	2.50	HEATER	
RECEPT. OUTSIDE, UPSTAIRS	0.25	15A/1P	19	●			20	15A/1P		SPARE	
RECEPT. EMERGENCY LIGHTS	0.25	15A/1P	21		●		22	15A/1P		SPARE	
EXHAUST FAN HF1	0.25	15A/1P	23			●	24	15A/1P		SPARE	
TVSS	0.60	30A/3P	25	●			26	30A/2P	1.70	HEATER	
	27			●		28	1.70				
	0.60		29			●	30	15A/1P	0.25	PACL SYSTEM	
SPACE		15A/1P	31	●			32	15A/1P	0.50	LCP-R800 CONTROL PANEL	
SPACE		15A/1P	33		●		34	15A/1P		SPARE	
SPACE		15A/1P	35			●	36	15A/1P		SPARE	
SPACE		15A/1P	37	●			38	15A/1P		SPARE	
SPACE		15A/1P	39		●		40	15A/1P		SPARE	
SPACE		15A/1P	41			●	42	15A/1P		SPARE	
Connected Load per phase(kw):				7.9	4.9	5.2					
Total Load(KW):										18.0	
Total Current (A):										49.8	
NOTES: 1. PROVIDE TYPE WRITTEN PANEL DIRECTORY. 2. BALANCE LOADS IN EACH PHASE. 3. PROVIDE PROTECTION CIRCUIT BREAKER LOCK.											
LOAD TYPES		TOTAL CONNECTED LOAD (KW)			DEMAND %			DEMAND LOAD (KW)			
LIGHTING											
COMMUNICATIONS											
ELECTRIC HEAT											
MECHANICAL											
MISCELLANEOUS											
TOTAL DEMAND LOAD										0 KW 0 Amp	

Panel Board: MODIFIED PANEL R741										Rating: 120/208V/3Ø/4Wire 400A	
Item	Load(KW)	Breaker	CCT	A	B	C	CCT	Breaker	Load(KW)	Item	
LIGHTS: UPSTAIRS	0.80	15A/1P	1	●			2	15A/1P	0.25	RECEPT. DOWNSTAIRS	
LIGHTS: OUTSIDE	0.80	15A/1P	3		●		4	15A/1P	0.25	RECEPT. DOWNSTAIRS	
LIGHTS: MAIN FLOOR	0.80	15A/1P	5			●	6	20A/1P		SPARE	
LIGHTS: DOWNSTAIRS	0.80	15A/1P	7	●			8	15A/1P	2.50	WETWELL HEATER	
LIGHTS: DOWNSTAIRS	0.80	15A/1P	9		●		10	15A/1P	0.25	SUMP PUMP VALVE HOUSE	
LRV-1 PIT RECEPT.	0.25	15A/1P	11			●	12	15A/1P	0.25	COMPRESSOR /RECORDER	
LAV-1 PIT RECEPT.	0.25	15A/1P	13	●			14	15A/1P		SPARE	
LRV-2 PIT RECEPT.	0.25	15A/1P	15		●		16	20A/1P		SPARE	
LAV-2 PIT RECEPT.	0.25	15A/1P	17			●	18	20A/1P	2.50	HEATER	
RECEPT. OUTSIDE, UPSTAIRS	0.25	15A/1P	19	●			20	15A/1P	0.34	NEW EXHAUST FAN EF-R601 (3-#12 AWG RW90 IN 21mm C)	
RECEPT. EMERGENCY LIGHTS	0.25	15A/1P	21		●		22	15A/1P	0.17	NEW EXHAUST FAN EF-R611 (3-#12 AWG RW90 IN 21mm C)	
SPARE		15A/1P	23			●	24	15A/1P		SPARE	
TVSS	0.60	30A	25	●			26	30A/1P	1.70	HEATER	
	27			●	28	1.70					
	0.60		29			●	30	15A/1P	0.25	PACL SYSTEM	
SPACE		15A/1P	31	●			32	15A/1P	0.50	LCP-R800 CONTROL PANEL	
SPACE		15A/1P	33		●		34	15A/1P		SPARE	
SPACE		15A/1P	35			●	36	15A/1P		SPARE	
SPACE		15A/1P	37	●			38	15A/1P		SPARE	
SPACE		15A/1P	39		●		40	15A/1P		SPARE	
SPACE		15A/1P	41			●	42	15A/1P		SPARE	
Connected Load per phase(kw):				8.0	5.1	4.9					
Total Load(KW):										18.0	
Total Current (A):										49.9	
NOTES: 1. PROVIDE TYPE WRITTEN PANEL DIRECTORY. 2. BALANCE LOADS IN EACH PHASE. 3. PROVIDE PROTECTION CIRCUIT BREAKER LOCK.											
LOAD TYPES	TOTAL CONNECTED LOAD (KW)			DEMAND %			DEMAND LOAD (KW)				
LIGHTING											
COMMUNICATIONS											
ELECTRIC HEAT											
MECHANICAL											
MISCELLANEOUS											
TOTAL DEMAND LOAD										0 KW 0 Amp	

					ENGINEER'S SEAL		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING SERVICES DIVISION		
					DESIGNED BY	S.N.		CHECKED BY	H.M.
					DRAWN BY	S.N.		APPROVED BY	H.M.
					SCALE: HORIZONTAL VERTICAL	AS NOTED		RELEASED FOR CONSTRUCTION	
2	ISSUED FOR ADDENDUM 3		25-10-01	H.M.				MACLEAN RESERVOIR VALVE HOUSE VENTILATION UPGRADE PANEL SCHEDULES - PANEL R741	CITY FILE NUMBER W-938
1	RE-ISSUED FOR CONSTRUCTION		25-08-27	H.M.					SHEET 4 OF 7
0	ISSUED FOR CONSTRUCTION		25-06-27	H.M.					CITY DRAWING NUMBER 1-0630R-E00010-001
NO	REVISIONS		DATE (YYYY/MM/DD)	BY	DATE (YYYY/MM/DD)				
PLOT DATE:					BID OPP: 808-2025 CONTRACT NUMBER: #		FILE PATH: FILE NAME:		