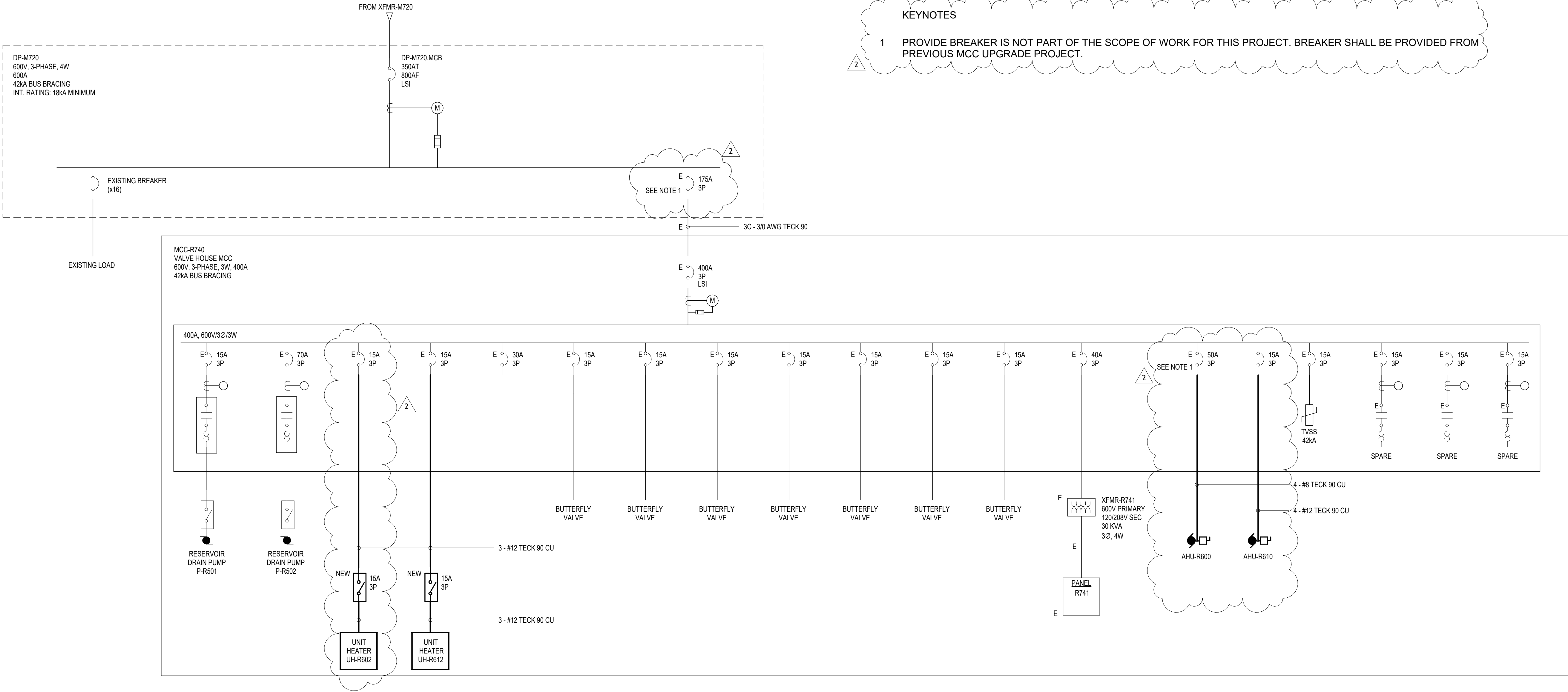


KEYNOTES

1 PROVIDE BREAKER IS NOT PART OF THE SCOPE OF WORK FOR THIS PROJECT. BREAKER SHALL BE PROVIDED FROM PREVIOUS MCC UPGRADE PROJECT.

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1 MODIFIED SINGLE LINE DIAGRAM
SCALE: N.T.S.

CALCULATION FOR EXISTING MCC R740		CALCULATION FOR MODIFIED MCC R740	
EXISTING ELECTRIC HEATER ESTIMATED LOAD EACH HEATER: HEATER HE1 = 7.5 KW HEATER HE2 = 20 KW		NEW MUAs, HEATERS, EFs ESTIMATED LOAD EACH MUAs: AHU-R600 = 35 KW AHU-R610 = 8 KW ESTIMATED LOAD EACH HEATERS: UH-R602 = 10 KW UH-R612 = 2 KW ESTIMATED LOAD EACH EFs: EF-R601 = 0.342 KW EF-R611 = 0.168 KW	
TOTAL LOAD THAT IS BEING TAKEN OUT OF MCC 27.5 KW		TOTAL LOAD THAT IS BEING ADDED INTO MCC 55.5 KW	
NET LOAD = NEW LOAD – EXISTING TOTAL NET LOAD = 55.8 KW - 27.5 KW = 28 KW WE ARE ADDING 28 KW INTO THE EXISTING MCC			

						ENGINEER'S SEAL		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING SERVICES DIVISION	
				DESIGNED BY S.N.		CHECKED BY H.M.		MACLEAN RESERVOIR VALVE HOUSE VENTILATION UPGRADE MODIFIED SINGLE LINE DIAGRAM	
				DRAWN BY S.N.		APPROVED BY H.M.			
				SCALE: HORIZONTAL VERTICAL AS NOTED		RELEASED FOR CONSTRUCTION 2025/08/27			
				DATE		DATE (YYYY/MM/DD)			
				PLOT DATE:		CONSULTANT DRAWING NUMBER E4.1			
						BID OPP: 808-2025 CONTRACT NUMBER: #		FILE PATH: FILE NAME:	
								CITY FILE NUMBER W-938	
								SHEET 6 OF 7	
								CITY DRAWING NUMBER 1-0630R-E0013-001	