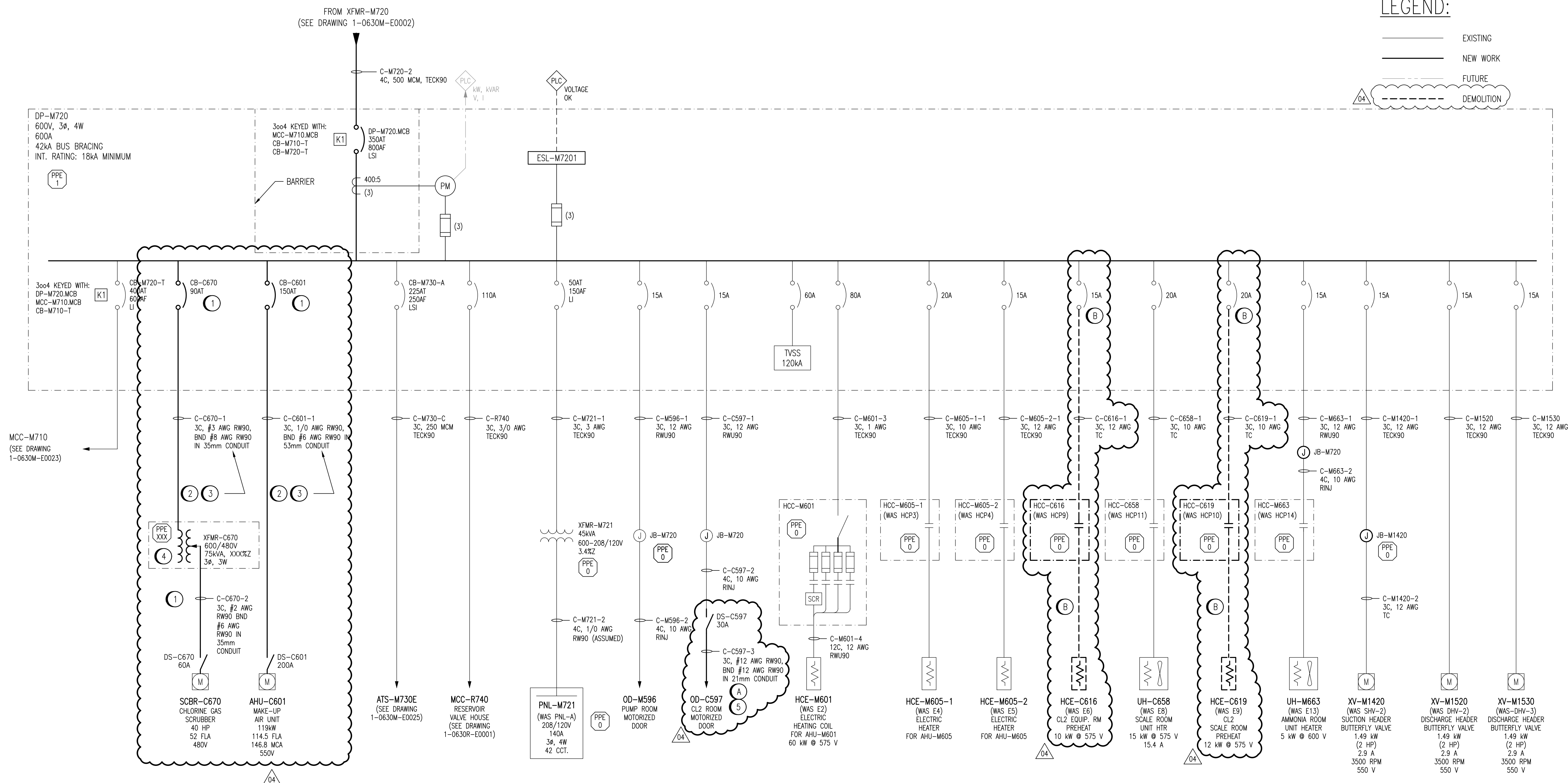




DEMOLITION NOTES:

- (A) DEMOLISH EXISTING OVERHEAD DOOR OD-C597, CONTROLLER AND DISCONNECT SWITCH IN THE CHLORINE TONNER ROOM.
- (B) DEMOLISH EXISTING ELECTRIC HEATERS HCE-C616 AND HCE-C619. REMOVE ALL CABLING/CONDUIT BACK TO SOURCE PANEL. MARK FEEDER BREAKER AS 'SPARE'.

SPECIFIC NOTES:

- 1 PROVIDE NEW CIRCUIT BREAKERS AND ALL REQUIRED CONDUIT AND CABLING TO FEED NEW EQUIPMENT LOADS AHU-C601, XFMR-C670 AND SCBR-C670 FROM DP-M720. BREAKER MODEL AND KAIC RATING TO EXISTING BREAKER IN DISTRIBUTION
- 2 ALL CONDUIT AND CABLING RAN WITHIN THE CHLORINE TONNER ROOM, SCALE ROOM AND CHLORINATOR ROOMS MUST MEET NEMA 4X STANDARDS AND CEC HAZARDOUS LOCATIONS REQUIREMENTS.
- 3 ALL WALL PENETRATIONS INTO THE CHLORINE BUILDING SPACE MUST BE SEALED WITH FIRE STOP OR A SUITABLE ALTERNATIVE.
- 4 PROVIDE NEW 600/480V STEP-DOWN AUTOTRANSFORMER XFMR-C670 TO FEED CHLORINE SCRUBBER UNIT SCBR-C670. TRANSFORMER WILL BE MOUNTED OUTSIDE ON THE SCRUBBER PAD AND SHALL BE MINIMUM NEMA 3R RATED.
- 5 PROVIDE NEW OVERHEAD DOOR, OD-C597, COMPLETE WITH WALL MOUNTED CONTROLLER. PROVIDE NEW FIELD MOUNTED LOCAL DISCONNECT, DS-C597. EXISTING CABLING AND CONDUIT TO BE RETAINED AND EXTENDED AS REQUIRED TO FACILITATE CONNECTION TO NEW LOCAL DISCONNECT SWITCH. PROVIDE NEW CABLING FROM DISCONNECT SWITCH TO OVERHEAD DOOR MOTOR.

CIRCUIT BREAKER PROTECTION SETTINGS								
BREAKER	MODEL	FRAME	SENSOR	LTPU (lr)	LTD (tr)	STPU (lsd)	STD (tsd)	INST (li)
DP-M720-MCB	PKM36080U43BJR	800 A	800 A	352 A (0.44)	16	2112 A (6)	0.2	4800 A (6)
CB-M720-T	LJA36400U31X	600 A	400 A	400 A	16	N/A	N/A	4800 A (12)
CB-M730-A	JJA36250U43X	250 A	250 A	225 A	16	1575 A (7)	0.1	3000 A (12)

					 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT									
					DESIGNED BY: B. CLEVEN		CHECKED BY: C. REIMER		MACLEAN WATER PUMPING STATION ELECTRICAL SINGLE LINE DIAGRAM DP-M720									
					DRAWN BY: S. FUNK		APPROVED BY: C. REIMER											
					SCALE: NTS		ISSUED FOR CONSTRUCTION BY: R. CARROLL											
					DATE: 2011/01/25		DATE: 2012/11/29											
04 ISSUED FOR TENDER AND CONSTRUCTION					2025/04/30		VE		VE		CITY DRAWING NUMBER 1-0630M-E0024							
03 AS-BUILT					2013/07/24		-		BJC						SHEET 001			
02 ISSUED FOR CONSTRUCTION					2012/11/29		BJC		REV. 04									
01 ADDENDUM 2, BID OPP. 490-2012					2012/08/22		BJC										SIZE A1	
00 ISSUED FOR TENDER, BID OPP. 490-2012					2012/07/23		BJC											
NO. REVISIONS					DATE		DESIGN		CHECK									