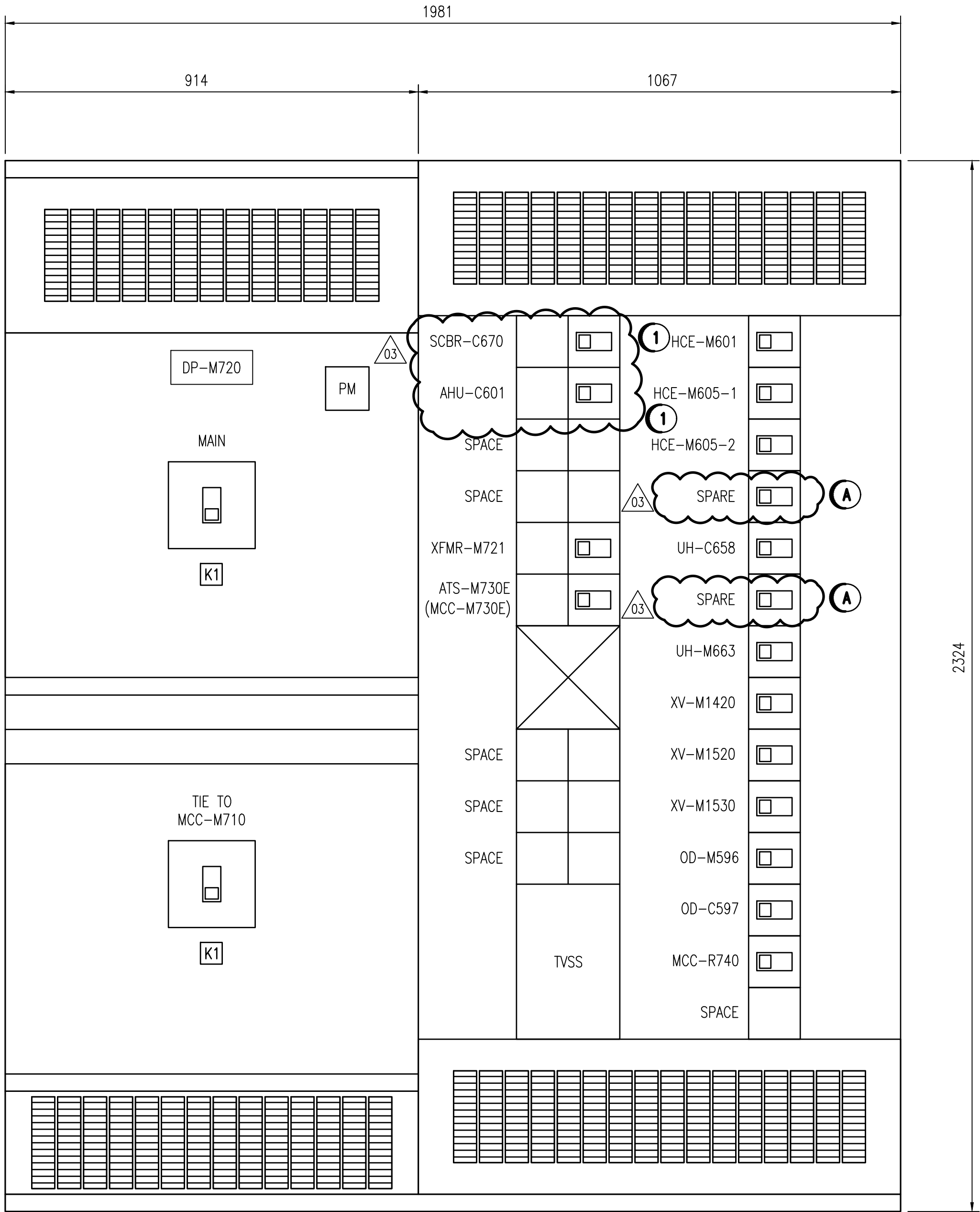


PANEL ID: DP-M720		AMPS: 600A		VOLTS: 600/347V		PHASE: 3P		WIRE: 4W				
DESCRIPTION: NON-ESSENTIAL DISTRIBUTION PANEL		LOCATION: ELECTRICAL ROOM										
MIN INTERRUPTING RATING: 18 KA ☐ SERIES RATED ☒ ALL BREAKERS FULLY RATED		MOUNTING & ORIENTATION: ☒ SURFACE MOUNT ☐ FLUSH MOUNT ☐ TOP FED ☐ BOTTOM FED										
PANEL MFG: SQUARE D		MODEL: QED I-LINE										
MAIN BREAKER: 800AF		TRIP RATING: 352A										
MODEL: PKM36080U43BJR		MAIN BREAKER TYPE: LSI										
SETTINGS: SEE BELOW												
BKR ID	DESCRIPTION			TYPE	TRIP (A)	SETTINGS	NOTE	WIRE	LOAD (KVA)	#A	#B	#C
CB-M601-2	HCE-M601 ELECTRIC HEATER FOR AHU-M601 (WAS E2)			TM	80			1	60	X	X	X
CB-M605-1	HCE-M605-1 ELECTRIC HEATER FOR AHU-M605 (WAS E4)			TM	20			10	12	X	X	X
CB-M605-2	HCE-M605-2 ELECTRIC HEATER FOR AHU-M605 (WAS E5)			TM	15			12	10	X	X	X
SPARE				TM	15					X	X	X
CB-M663	UH-M663 AMMONIA ROOM UNIT HEATER (WAS E13)			TM	15			12	3	X	X	X
SPARE				TM	20					X	X	X
CB-M663	UH-M663 AMMONIA ROOM UNIT HEATER (WAS E13)			TM	15			12	3	X	X	X
CB-M1420	XV-M1420 SUCTION HEADER BUTTERFLY VALVE (WAS SHV-2)			TM	15			12	3	X	X	X
CB-M1520	XV-M1520 DISCHARGE HEADER BUTTERFLY VALVE (WAS DHV-2)			TM	15			12	3	X	X	X
CB-M1530	XV-M1530 DISCHARGE HEADER BUTTERFLY VALVE (WAS DHV-3)			TM	15			12	3	X	X	X
CB-M596	OD-M596 PUMP ROOM MOTORIZED DOOR (WAS D1)			TM	15		6	12	3	X	X	X
CB-C597	OD-C597 CL2 ROOM MOTORIZED DOOR (WAS D2)			TM	15		6	12	3	X	X	X
CB-M721	XFMR-M721 PNL-M721 TRANSFORMER			LI	50	BELOW		3	45	X	X	X
CB-R740	MCC-R740 RESERVOIR VALVE HOUSE			TM	110			3/0	85.8	X	X	X
CB-M730-A	ATS-M730E MCC-M730E AUTOMATIC TRANSFER SWITCH			LSI	225	BELOW	2	250 MCM	117.1	X	X	X
CB-TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR			TM			5		0	X	X	X
CB-M720-T	MCC-M720E DP-M720 TIE			TM	400		3	500 MCM	0	X	X	X
CB-C670	XFMR-C670, SCBR-C670, CHLORINE BUILDING SCRUBBER			TM	90					X	X	X
CB-C601	AHU-C601 MAKE-UP AIR UNIT CHLORINE BUILDING			TM	150			1/0		X	X	X
TOTAL CONNECTED LOAD: 554 KVA				PHASE A: 184.5 KVA		531.8 A						
DEMAND LOAD-SUMMER: 224 KVA				PHASE B: 184.5 KVA		531.8 A						
DEMAND LOAD-WINTER: 368 KVA				PHASE C: 184.5 KVA		531.8 A						
NOTES: 1. ALL BREAKERS MUST MEET THE MINIMUM INTERRUPTING RATING. 2. PRIMARY FEED TO MCC-M730E, NORMALLY CLOSED. 3. TIE BREAKER IS NORMALLY OPEN. 4. CB-M720-T TO BE KIRK-KEY INTERLOCKED WITH DP-M720.MCB, MCC-M710.MCB AND CB-M710-T. 5. RATING OF CB-TVSS TO BE DETERMINED BY MANUFACTURER. 6. LOAD RATING ASSUMED.												

DP-M720 SCHEDULE

SCALE: NTS

MOULDED CASE BREAKER SETTINGS										
BRK ID	MODEL	FRAME	SENSOR	LTPU	LTD	STPU	STD	INST	GFPU	GFD
DP-M720.MCB	PKM36080U43BJR	800A	400A	B 0.88 (352A)	16	6	0.2	12 (4800A)	N/A	N/A
CB-M720-T	LJA36400U31X	400A	400A	400A	16	N/A	N/A	12 (4800A)	N/A	N/A
CB-M730-A	JJA36250U43XENYH1	250A	250A	225A	16	7	0.1	12 (3000A)	N/A	N/A
CB-M721	HJA36150U43XENYH1	150A	150A	50A	8	N/A	N/A	12 (1800A)	N/A	N/A



DP-M720 ELEVATION

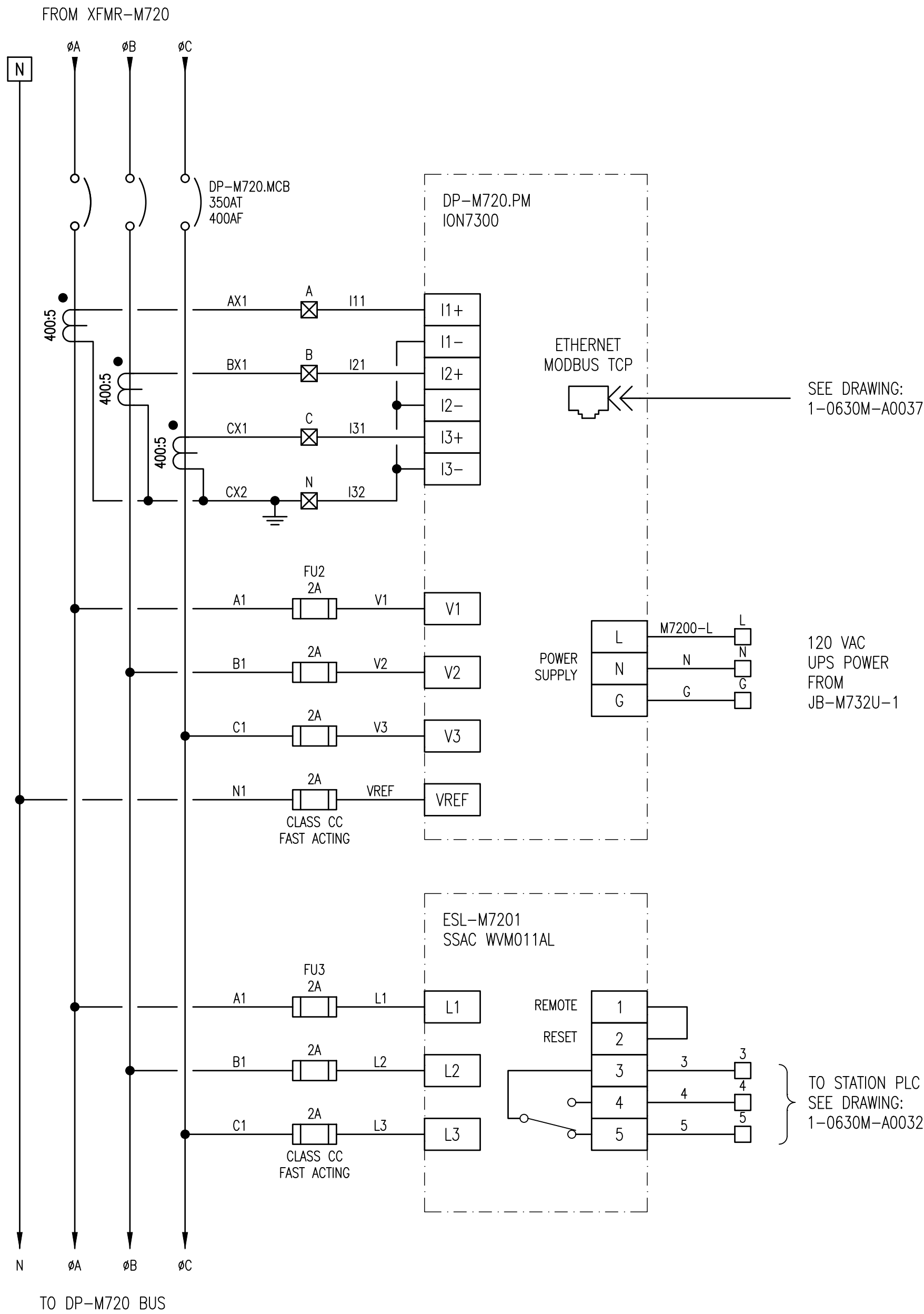
SCALE: 1:8

SPECIFIC NOTES

1 PROVIDE NEW THERMAL MAGNETIC BREAKER. SIZE AS INDICATED ON DRAWING. PROVIDE NEW LAMACOID

DEMOLITION NOTES

A DEMOLISH LOAD. MARK BREAKER AS SPARE.



DETAIL: DP-M720 POWER METER AND VOLTAGE MONITOR

SCALE: NTS

1-0630M-E0066	JB-M732U-1 LAYOUT AND SCHEMATIC
1-0630M-E0024	SINGLE LINE DIAGRAM - DP-M720
DRAWING NUMBER	REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AtkinsRéalis Canada Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
03	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE
02	AS-BUILT	2013/07/24	-	BJC
01	ISSUED FOR CONSTRUCTION	2012/11/29	BJC	CJR
00	ISSUED FOR TENDER, BID OPP: 490-2012	2012/07/23	BJC	CJR

AtkinsRéalis
148 Nature Park Way, Winnipeg, Manitoba
Canada R3P 0X7

DESIGNED BY: B. CLEVEN
CHECKED BY: C. REIMER
DRAWN BY: M.J. PERSSON
APPROVED BY: C. REIMER
SCALE: AS SHOWN
DATE: 2012/01/04
CONSULTANT NO.: 508955-0000-47DD-0029

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MACLEAN WATER PUMPING STATION

PANEL SCHEDULE AND DETAILS
DP-M720

CITY DRAWING NUMBER: 1-0630M-E0029
SHEET: 001
REV: 03
SIZE: A1