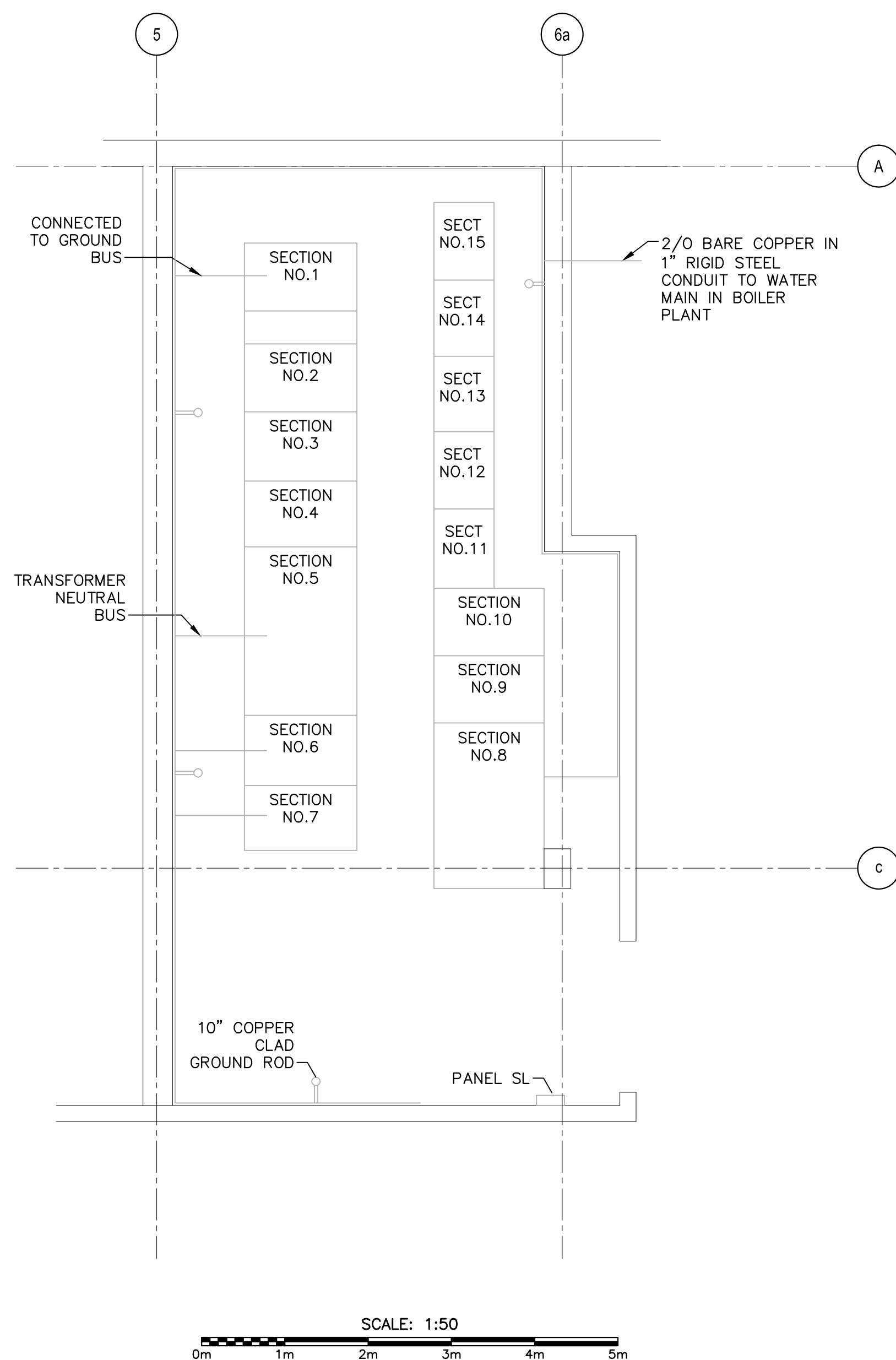
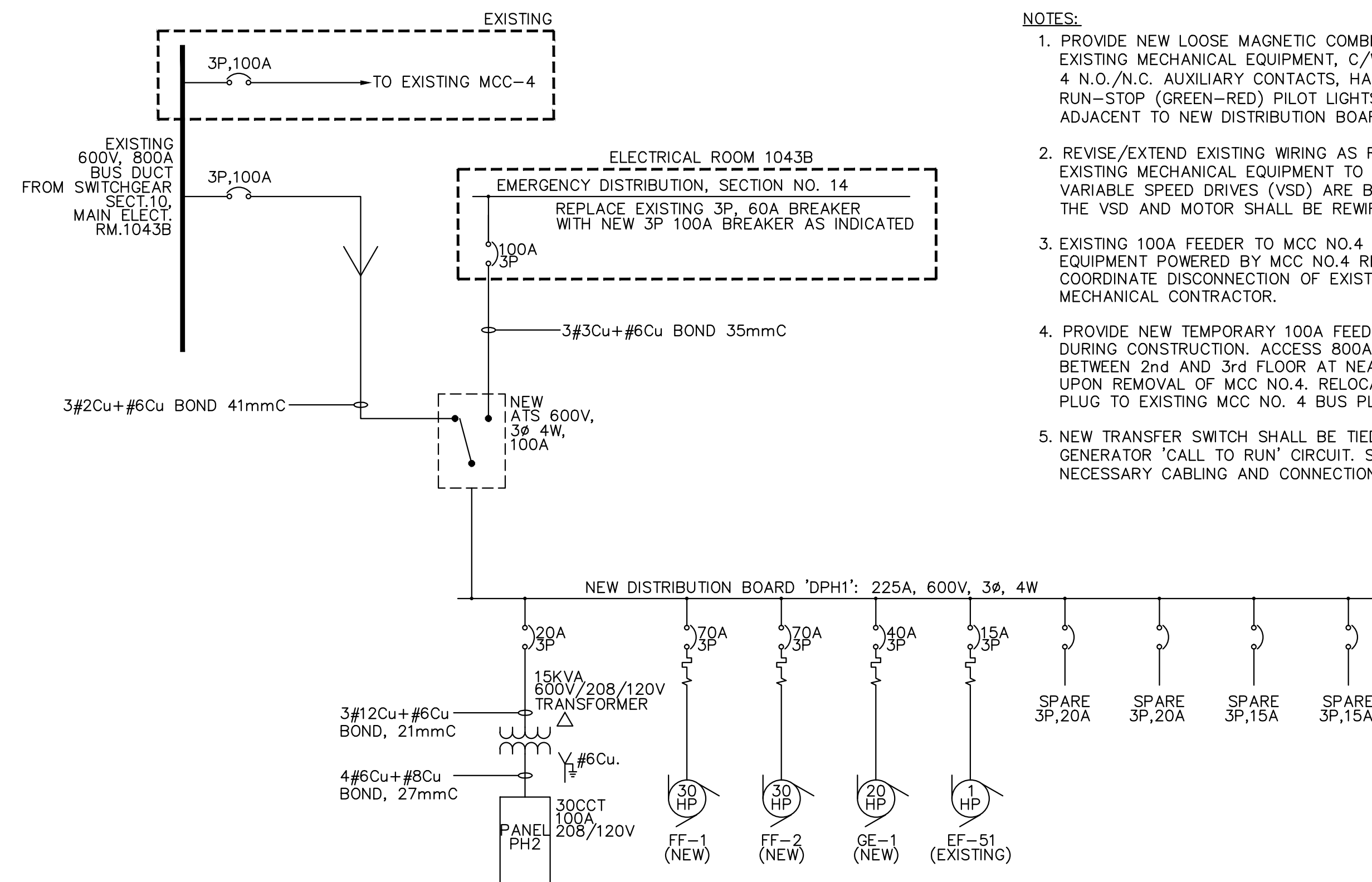


EXISTING PARTIAL SINGLE LINE DIAGRAM MCC NO.4



ELECTRICAL ROOM 1043B



NEW PARTIAL SINGLE LINE DIAGRAM

- NOTES:
1. PROVIDE NEW LOOSE MAGNETIC COMBINATION STARTERS FOR NEW AND EXISTING MECHANICAL EQUIPMENT, C/W 120V CONTROL TRANSFORMER, 4 N.O./N.C. AUXILIARY CONTACTS, HAND-OFF-AUTO SWITCH AND RUN-STOP (GREEN-RED) PILOT LIGHTS. MOUNT STARTERS ON WALL ADJACENT TO NEW DISTRIBUTION BOARD.
 2. REVISE/EXTEND EXISTING WIRING AS REQUIRED TO RECONNECT EXISTING MECHANICAL EQUIPMENT TO NEW DISTRIBUTION BOARD, WHERE VARIABLE SPEED DRIVES (VSD) ARE BEING INSTALLED, WIRING BETWEEN THE VSD AND MOTOR SHALL BE REWIRED WITH VSD CABLE.
 3. EXISTING 100A FEEDER TO MCC NO.4 TO BE MAINTAINED WHILE EQUIPMENT POWERED BY MCC NO.4 REMAINS OPERATIONAL. COORDINATE DISCONNECTION OF EXISTING MECHANICAL DEVICES WITH MECHANICAL CONTRACTOR.
 4. PROVIDE NEW TEMPORARY 100A FEEDER TO DISTRIBUTION BOARD DURING CONSTRUCTION. ACCESS 800A BUS DUCT VIA PIPE CHASE BETWEEN 2nd and 3rd FLOOR AT NEAREST ACCESSIBLE LOCATION. UPON REMOVAL OF MCC NO.4, RELOCATE TEMPORARY FEEDER BUS PLUG TO EXISTING MCC NO. 4 BUS PLUG LOCATION.
 5. NEW TRANSFER SWITCH SHALL BE TIED INTO EXISTING EMERGENCY GENERATOR 'CALL TO RUN' CIRCUIT. SUPPLY AND INSTALL ALL NECESSARY CABLING AND CONNECTIONS.

NOTES	PANEL SCHEDULE - PANEL M										NOTES			
	DESIGNATION					WATTAGE								
	PH A PH B PH C					PH A PH B PH C								
	PH A PH B PH C					PH A PH B PH C								
	VOLTS	120/208V				PANEL	PH2				TYPE	— I.C. 10 KA		
	PHASE	3				LOCATION	ELECT. RM. 1043B				MAINS	100 AMPS		
	WIRE	4				FED FROM	DPH1 VIA 1K1KVA XFMR				ENTER AT	MTG S		

PANEL SCHEDULE - PANEL M

MOTOR STARTER AND CONTROL LIST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
E-ELECTRICAL M-MECHANICAL A-ARCHITECTURAL O-OTHERS X-PROVIDE		1-VARIABLE SPEED DRIVE 2-INTERGRATED CONTROL PANEL 3-DIRECT CONNECTION 4-ENERGY MANAGEMENT SYSTEM 5-MOTORIZED DAMPER		6-LINE VOLTAGE THERMOSTAT 7-LOW VOLTAGE THERMOSTAT 8-REVERSE ACTING THERMOSTAT 9-CO SENSOR 10-KEY SWITCH		11-SOLENOID 12-FIRE ALARM 13-FIRE ALARM SHUTDOWN 14-STOP - STOP 15-ON - OFF		16-HAND-OFF-AUTO 17-PILOT LIGHT 18-CONTROL RELAY 19-CONTROL TRANSFORMER 20-AUXILIARY CONTACTS		21-TIME CLOCK 22- 23- 24- 25-		26- 27- 28- 29- 30-		31- 32- 33- 34- 35-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
EQUIPMENT INFORMATION				EQUIP. RATING		VOLTAGE		PHASE		CCT. NO. & BKS. SIZE OR MCC & FUSE SIZE		STARTER INFORMATION										LOCATE AT MOTOR		REMOTE CONTROL		FEEDER DETAILS		EQUIPMENT LABEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
EQUIPMENT LABEL	LOCATION	APPLICATION	SUPPLIED UNDER									INSTALLED UNDER	WIRING UNDER	IN COVER					IN COVER					DIECT SWITCH	TOGGLE SWITCH					RECEPTACLE TYPE	LEGEND ABOVE	NOTES	SUPPLIED UNDER	INSTALLED UNDER	WIRING UNDER	LEGEND ABOVE	NOTES	SUPPLIED UNDER	INSTALLED UNDER	WIRING UNDER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				MANUAL	TOGGLE	KEY	PISTON LIGHT	MAGNETIC	COMBINATION	TWO SPEED	REVERSE			FUSE TYPE	CONTROL	XMR12/20V	AUX. CONTACTS	2 N.O./2 N.C.	STOP - START	ON - OFF	HAND-OFF-AUTO	ON LIGHT-RED	NOTES			CSA ENCL. TYPE	LEGEND ABOVE	NOTES	LEGEND UNDER												NOTES	LEGEND UNDER	NOTES	LEGEND UNDER	NOTES	LEGEND UNDER	NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
SF-5A	MECHANICAL 11, C-1	SUPPLY AIR FAN	M	E		50	600	3P,100A MCC-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								