


























LEGEND

	CONDUIT RUN CONCEALED IN FINISHED AREAS AND EXPOSED IN UNFINISHED AREAS.		MOTOR
	TICK MARKS: INDICATE NUMBER OF CONDUCTORS IN A CONDUIT IN ADDITION TO EGC. NO TICK MARKS INDICATE TWO CONDUCTORS IN ADDITION TO EGC		NON-FUSIBLE DISCONNECT SWITCH, 30AMP, UNLESS NOTED OTHERWISE. 2 OR 3 POLE, AS APPLICABLE
	CONDUIT HOMERUN TO PANEL, NO. OF ARROWS INDICATE NUMBER OF CIRCUITS		208/120V, 3 PH, 4W PANELBOARD
	2'X4' FLUORESCENT LIGHTING FIXTURE		480/277V, 3 PH, 4W PANELBOARD
	2'X4' FLUORESCENT LIGHTING FIXTURE ON WATCHMAN'S CIRCUIT		PANEL OR CABINET AS NOTED
	1'X4' FLUORESCENT LIGHTING FIXTURE		TELEPHONE OUTLET
	6'X4' WALL MOUNTED FLUORESCENT LIGHTING FIXTURE		COMPUTER OUTLET
	H.I.D. LIGHTING FIXTURE		PLC MONITORING SYSTEM DATA PORT
	WALL MOUNTED EXIT LIGHT		UTILITY-FURNISHED CURRENT TRANSFORMER
	BATTERY POWERED EMERGENCY LIGHT		TRANSFORMER
	SINGLE POLE SWITCH		
	THREE WAY SWITCH		
	NEMA 5-20R DUPLEX RECEPTACLE		
	QUAD (2 NEMA 5-20R DUPLEX) RECEPTACLE		
	NEMA 5-20R GROUND-FAULT INTERRUPTER DUPLEX RECEPTACLE		

ABBREVIATIONS

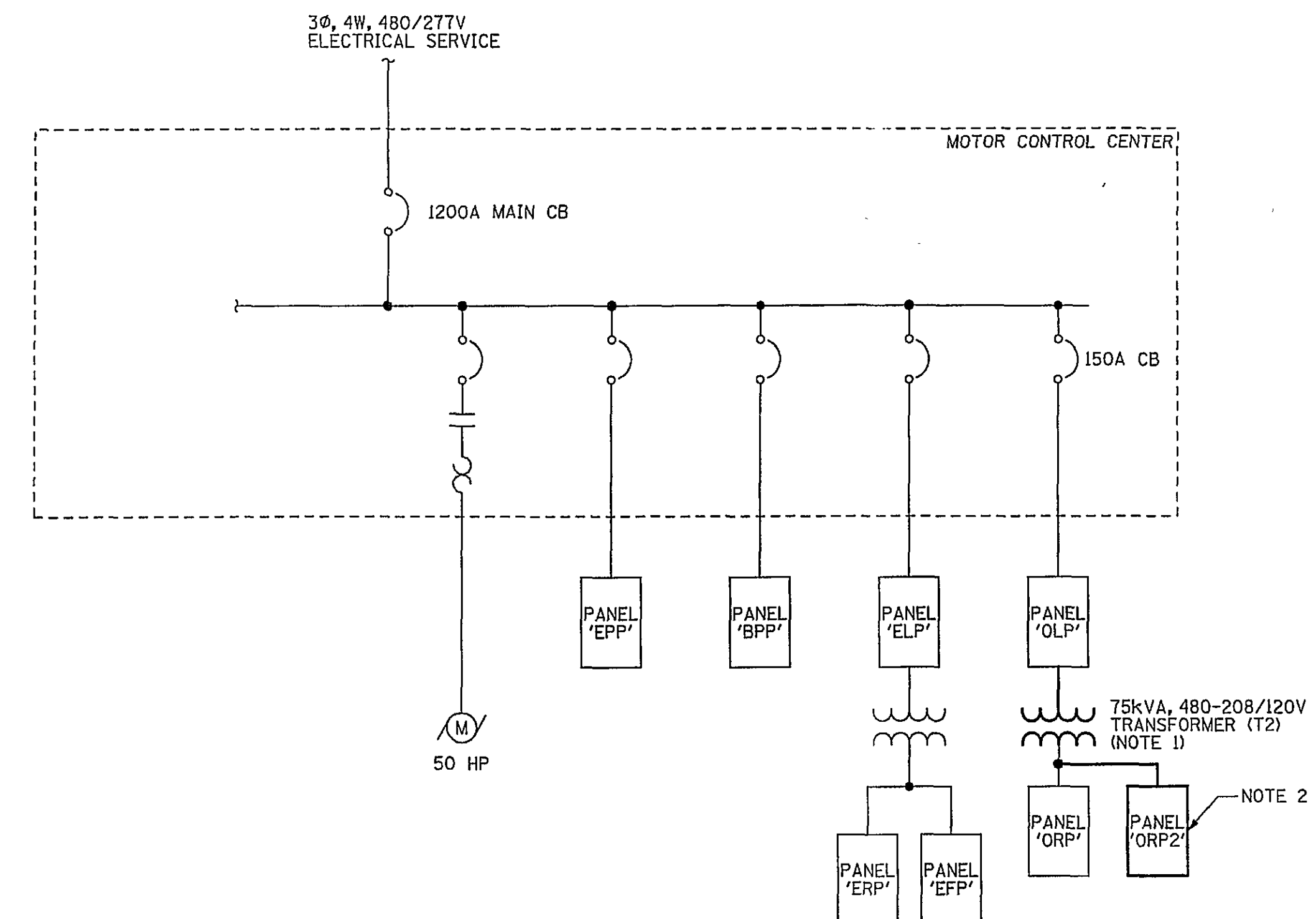
A, AMP	AMPERE(S)	P	POLE
AF	AMPERE FRAME		
AFF	ABOVE FINISHED FLOOR	RECEPT	RECEPTACLE
AT	AMPERE TRIP	RMS	ROOT MEAN SQUARE
AWG	AMERICAN WIRE GAUGE		
BLDG	BUILDING	SYM	SYMMETRICAL
C	CONDUIT	TYP	TYPICAL
CB	CIRCUIT BREAKER		
CKT	CIRCUIT	UH	UNIT HEATER
DWG	DWG	V	VOLT(S)
EGC	EQUIPMENT GROUNDING CONDUCTOR	W	WATT(S), WIRE
EMT	ELECTRICAL METAL TUBING		
EXIST	EXISTING	XFMR	TRANSFORMER
GFI	GROUND FAULT INTERRUPTER	Ø	PHASE
HID	HIGH INTENSITY DISCHARGE		
HP	HORSEPOWER		
kmil	THOUSAND CIRCULAR MILS		
kVA	KILOVOLT-AMPERE(S)		
KW	KILOWATT		
NEUT	NEUTRAL		

GENERAL NOTES

1. ALL EXISTING DEVICES TO REMAIN ARE SHOWN WITH LIGHTWEIGHT LINES. ALL NEW WORK DEVICES ARE SHOWN WITH HEAVYWEIGHT LINES.

NOTES

1. DISCONNECT GROUNDING ELECTRODE CONDUCTOR FROM EXISTING 45KV+ TRANSFORMER AND LEAVE CONDUCTOR IN PLACE. REMOVE PRIMARY CONDUCTORS BACK TO PANEL "OLP" AND LABEL CIRCUIT AS SPARE. DISCONNECT SECONDARY CONDUCTORS FEEDING PANEL "ORP" AND LEAVE IN PLACE. REMOVE 45KV+ TRANSFORMER "T2" AND REPLACE WITH NEW 75KV+ TRANSFORMER. RECONNECT GROUNDING ELECTRODE CONDUCTOR TO NEW TRANSFORMER. PROVIDE NEW PRIMARY CONDUCTORS TO FEED 75KV+ TRANSFORMER FROM PANEL "OLP" AS INDICATED ON PANEL "OLP" SCHEDULE ON DRAWING E-4. RECONNECT EXISTING SECONDARY CONDUCTORS FEEDING PANEL "ORP" PROVIDE NEW SECONDARY CONDUIT AND CONDUCTORS TO FEED NEW PANEL "ORP2". SEE TRANSFORMER SCHEDULE ON DRAWING E-4 FOR DETAILS.
2. NEW 208/120V PANEL FED FROM NEW 75KV+ TRANSFORMER. SEE PANEL "ORP2" SCHEDULE ON DRAWING E-4 FOR DETAILS.



ELECTRICAL DISTRIBUTION SYSTEM ONE-LINE DIAGRAM
NO SCALE

[illegible]