

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
ADO	AUTOMATIC DOOR OPENER	MH	MANHOLE
AF	AMPERE FRAME	MTD	MOUNTED
AFF	ABOVE FINISHED FLOOR	MTG HGT	MOUNTING HEIGHT
AT	AMPERE TRIP	NFSS	NON-FUSED SAFETY SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	P	POLE BOX
CB, C/B	CIRCUIT BREAKER	PNL	PANEL
CKT BKR	CIRCUIT BREAKER	POD	POWER OPERATED DAMPER
C	CONDUIT	PTRV	POWER TYPE ROOF VENTILATION
CCTV	CLOSED CIRCUIT T.V.	PWR	POWER
CLG	CEILING	RGIP	RECEPTACLE REMOTE GROUND INDICATOR PANEL
DB	DIRECT BURIAL	SS	SAFETY SWITCH STATION
EC	EMPTY CONDUIT	STA	STATION
EG	EQUIPMENT GROUND	TEL	TELEPHONE
EX	EXISTING	TV	TELEVISION
EJ	EXPANSION JOINT	TVSS	SURGE PROTECTIVE DEVICE
EXP. XP	EXPLOSION PROOF	UC	UNDER COUNTER UNIT HEATER
EMERG	EMERGENCY	UH	VOLTAGE VAPOR PROOF WIRE
ELEC	ELECTRIC	V	WITH WEATHER PROOF WATER TIGHT TRANSFORMER
EWC	ELECTRIC WATER COOLER	W/	WITH WEATHER PROOF WATER TIGHT TRANSFORMER
ESM	ELECTRIC STRIP MOLD FUSE	WF.	WATER TIGHT TRANSFORMER
F	FUSE	XFMR	TRANSFORMER
FA	FIRE ALARM		
FACP	FIRE ALARM CONTROL PANEL		
FI	FILM ILLUMINATOR		
FCU	FAN COIL UNIT		
FIXT	FIXTURE		
FLOOR	FLOURESCENT		
FSS	FUSED SAFETY SWITCH		
ESCP	FLAME SAFEGUARD CONTROL PANEL		
G, GND	GROUND		
GEN	GENERATOR		
GTB	GROUND TERMINAL BOX		
GFI	GROUND FAULT INTERRUPTER		
HOA	HAND OFF AUTOMATIC		
HH	HANDHOLE		
HP	HORSE POWER		
HV	HIGH VOLTAGE		
INCAND	INCANDESCENT		
JB	JUNCTION BOX		
LTP	LOCAL TEMPERATURE CONTROL PANEL		
LTS	LIGHTS		
LTG	LIGHTING		
LV	LOW VOLTAGE		
MATV	MASTER ANTENNA TELEVISION		
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		
MDP	MAIN DISTRIBUTION PANEL		
MLO	MAIN LUGS ONLY		

1 EXISTING SINGLE LINE DIAGRAM
SCALE: NONE

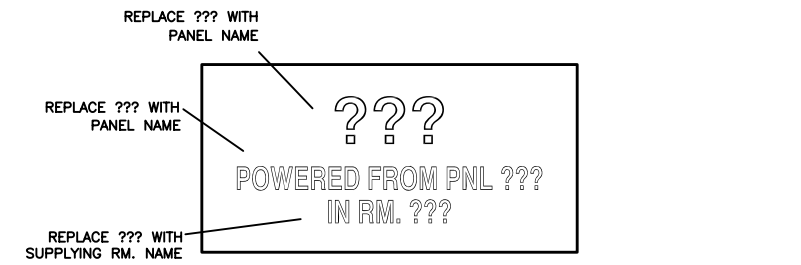
CONDUCTOR/CONDUIT SCHEDULE

④	MINIMUM CONDUIT(S)	CONDUCTOR(S)
⑨	(1) 3" CONDUIT WITH	(4) #4/0 THHN AND (1) #6 GND

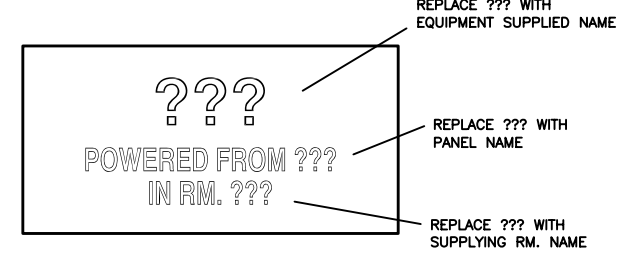
- NOTES**
- CONTRACTOR TO GET AIC RATING AT UTILITY CONNECTION FROM UTILITY IN WRITING. CONTRACTOR TO FORWARD TO ENGINEER FOR CALCULATION OF AIC REQUIREMENTS OF EQUIPMENT.
 - NEW 200 FUSED DISCONNECT FOR PANEL C SHALL BE LOCATED IN EXISTING MECHANICAL RM. 003

GENERAL NOTES

- PERFORM ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE 2005 EDITION.
- RUN ALL CONDUIT PARALLEL AND PERPENDICULAR TO BUILDING LINES.
- ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY CABLES, JUMPERS, ETC. TO INSURE CONTINUOUS GROUND IN CONDUIT AND WATER SYSTEMS.
- ALL WIRING SHALL BE RUN IN CONDUIT OR TYPE AC CABLE. WIRING IN PATIENT CARE AREAS SHALL BE AS PER NFPA 70 (2006) ARTICLE 517.
- MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG Cu.
- FURNISH A TYPE WRITTEN CIRCUIT DIRECTORY CARD FOR POWER PANELS. PROVIDE ENGRAVED NAME PLATES FOR ALL PANELS AND DISCONNECT SWITCHES.
- NO ELECTRICAL DEVICES ARE TO BE LOCATED BACK TO BACK IN THE SAME STUD CHASE.



2 PANEL ENGRAVED NAME PLATE
SCALE: FULL



3 DISCONNECT ENGRAVED NAME PLATE
SCALE: FULL

C		PANEL SCHEDULE			120/208 VOLT LOCATION - MECH. RM. 003			MAIN BREAKER - 200 AMP BUS - COPPER, 200 AMP			BOLT ON BREAKERS 3φ, 4-WIRE, ICR - TBD AMPS			20 INCH WIDE, SURFACE MOUNT NEMA 1		
ITEM	POLES C.B.	CIRC. NO.	CIRCUIT SERVES			WATTS L1	WATTS L2	WATTS L3	CIRCUIT SERVES			CIRC. NO.	POLES C.B.	ITEM		
-	1	20	1	LIGHTS - PT/REHAB 124A, TOI. 112			1026			LIGHTS - ENTRANCE 100, WAITING 101, TOI'S 119, 120			2	1	-	
-	1	20	3	LIGHTS - THERAPY 102, 104, 106, PAPERWORK 103, HALL 105			1362			LIGHTS - OFFICES 113, 114, 115, EXAM 116, 118			4	1	-	
-	1	20	5	LIGHTS - RECEPTACLES - 108, 109, KITCH. 110					936	RECEPTACLES - THERAPY 102, PAPERWORK 103			6	1	-	
-	1	20	7	RECEPTACLES - PT/REHAB 124A, TOI. 112			1080			RECEPTACLES - THERAPY 106			8	1	-	
-	1	20	9	RECEPTACLES - THERAPY 104, PT/REHAB 124A			900			RECEPTACLES - HALL 105			10	1	-	
-	1	20	11	RECEPTACLES - ENTRANCE 100, WAITING 101, TOI. 119, 120					1260	RECEPTACLES - 108, 109, KITCH 110			12	1	-	
-	1	20	13	RECEPTACLES - EXAM RMS. 116, 118			1140			COMPUTERS - PAPERWORK 103			14	1	-	
-	1	20	15	RECEPTACLES - WEIGHT 117, J.C. 112, HALL			900		900	COMPUTERS - RECEPTION 108			16	1	-	
-	1	20	17	OFFICES 113, 114, 115					1080	COMPUTERS - RECEPTION 109			18	1	-	
-	1	20	19	COUNTER RECEPTACLES - KITCHEN 110			360		900	COMPUTERS - BILLING OFFICE 113			20	1	-	
-	1	20	21	MICROWAVE - KITCHEN 110					1000	COMPUTERS - OFFICE 115			22	1	-	
-	1	20	23	REFRIGERATOR - KITCHEN 110					600				24	1	-	
-	1	20	25	WATER COOLER - HALL			460		1104				26	1	-	
H	2	45	27	AC1					3640				28	1	-	
			29						1104				30	2	H	
H	2	45	31	AC2			3640		2080				32	1	30	
			33				2080		3640	AH3			34	1	20	
-	1	20	35	WH - JAN. CLOS. 112					1252	LIGHTS - PT/REHAB 124A			36	1	20	
-	1	20	37	SPARE					200	SPARE			38	1	20	
-	1	20	39	SPARE					0	SPARE			40	1	20	
-	1	20	41						0	BLANK			42	1	20	
										BLANK						
					SUB TOTALS EACH LEG			15390	17838	14340						
					TOTAL AMPS PER LEG = 1.25 x (L1 + L2 + L3)/3(120) =			166 AMPS PER LEG			TOTAL 47.6 KW					
					LOAD SUMMARY						CONNECTED APPLIANCE LOAD			- KW		
											CONNECTED LIGHTING			- KW		
											CONNECTED COOLING/HEATING			- KW/ - KW		
											CONNECTED MOTOR			- KW		
					ITEM											
					L-LOCKED S-SWITCH RATED											
					H-HCAR T-SHUNT TRIP											