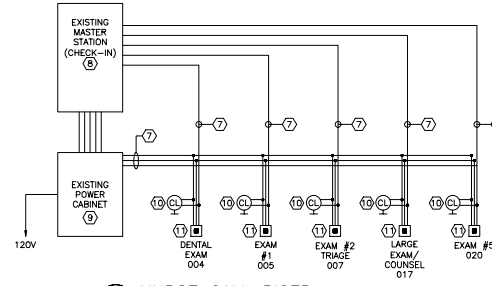


1 ELECTRICAL POWER & SYSTEMS PLAN
SCALE: 1/4"=1'



2 NURSE CALL RISER
SCALE: NOT TO SCALE

DIRECTORY	KVA LOAD			% FS	BKR AMPS	PHASE	BKR AMPS	% FS	KVA LOAD			DIRECTORY	
	A	B	C						A	B	C		
SPARE	*			1	20	A	2	5.0				ROOFTOP CONDENSER CU-3	
DENTAL EXAM RECEP.TS	*	*		3	20	B	50	4	5.0				
DENTAL CHAIR 1	*	*		5	20	C	6				5.0		
DENTAL CHAIR 2	*			7	20	A	8	0.4				AIR HANDLER 3	
STAFF ROOM	*	*		9	20	B	10		0.4				
SPARE	*			11	20	C	12			2.3		ROOFTOP CONDENSER CU-10	
DENTAL ROOMS	*			13	20	A	14	2.3					
DENTAL EQUIP. PROC. RECEP.TS	0.8			15	20	B	16		0.4			AIR HANDLER #10	
CHECK-IN RECEP.TS	*			17	20	C	18			0.5		EXISTING EMERGENCY LTS	
LARGE EXAM/COUNSEL RECEP.TS	0.8			19	20	A	20	0.8				TELEPHONE PANEL	
COUNSEL TOILET	*			21	20	B	22		1.5			CORRIDOR LTS	
WAITING AREA RECEP.TS	*			23	20	C	24			1.0		CORRIDOR LTS	
CHECK-IN RECEP.TS	1.4			25	20	A	20/20	2.6	1.2			XRAY RECEP.TS	
EXISTING CIRCUIT	*			27	20	B	28		1.2			XRAY RECEP.TS	
EXISTING CIRCUIT	*			29	20	C	25	3.0		*		XRAY PANOGRAPH	
PANEL P1	3.5			31		A	30	32	2.3			WATER HEATER	
		4.1		35		B	30	34		2.3		DENTAL AIR COMPRESSOR	
			3.6			C	20	36		*		DENTAL VACUUM	
BATHROOM	*			37	20	A	20	38	*			SPARE	
EXAM #1 RECEP.TS	0.8			39	20	B	20	40	*			SPARE	
DENTAL EXAM RECEP.TS	*			41	20	C	20	42		*		SPARE	
SUBTOTAL	###	###	###				###	###	###			SUBTOTAL	
VOLTAGE: 208Y/120V				PHASE: 3	POLES: 4	TOTAL KVA A-PHASE			###	PANEL			P
MAIN LUGS ONLY				BUS AMPS: 200A		TOTAL KVA B-PHASE			###	LOCATION			CORRIDOR 012
MOUNTING: RECESSED						TOTAL KVA C-PHASE			###				
SHORT CIRCUIT RATING: 10KAC						TOTAL KVA			###				

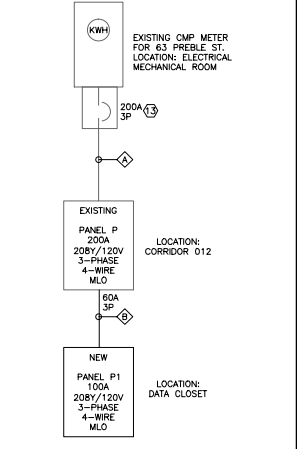
DIRECTORY	KVA LOAD			% FS	BKR AMPS	PHASE	BKR AMPS	% FS	KVA LOAD			DIRECTORY	
	A	B	C						A	B	C		
SPARE	*			1	20	A	15	2	0.4	0.4		ERV-1	
STAFF TEAM ROOM RECEP.TS	1.2			3	20	B	4						
STAFF TEAM ROOM RECEP.TS	1.4			5	20	C	6			0.1		ERV MODS	
CHECK-IN COPIER	1.0			7	20	A	8	0.9				ENTRANCE ELECTRIC BASEBOARD HEAT	
CARD ACCESS PANEL	1.0			9	20	B	10		0.9				
UNDERCOUNTER REFRIGERATOR		1.0		11	20	C	12			1.0		CLINICAL LAB RECEP.TS	
UNDERCOUNTER REFRIGERATOR	1.0			13	20	A	14	0.2				PHLEBOTOMY ALCOVE RECEP.TS	
UNDERCOUNTER REFRIGERATOR	1.0			15	20	B	16		*			SPARE	
EXAM #2 (TRIAE) RECEP.TS	0.8			17	20	C	18		0.8			EXAM #5 (ISOL) RECEP.TS	
CORRIDOR SCALE RECEP.T	0.2			19	20	A	20	0.8				MED. ROOM RECEP.TS	
SPARE	*			21	20	B	22	*				SPARE	
SPARE	*			23	20	C	24	*		*		SPARE	
SUBTOTAL	2.2	3.2	3.2						2.3	1.3	1.9		
VOLTAGE: 208Y/120V				PHASE: 3	POLES: 4	TOTAL KVA A-PHASE			4.5	PANEL			P1
MAIN LUGS ONLY				BUS AMPS: 100A		TOTAL KVA B-PHASE			4.5	LOCATION			DATA CLOSET
MOUNTING: SURFACE						TOTAL KVA C-PHASE			5.1				
SHORT CIRCUIT RATING: 10KAC						TOTAL KVA			14.1				

3 PANEL SCHEDULES
SCALE: NOT TO SCALE

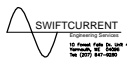
- NOTES:
- SEE EDO FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
 - 20 AMP DUPLEX OR QUAD HOSPITAL GRADE RECEPTACLES REQUIRED FOR ALL EXAM ROOMS, LABS, TREATMENTS ROOMS AND PROCESSING ROOMS.
 - 2" x 4" WORK BOX SHALL BE USED AT EACH VOICE AND DATA JACK LOCATION. STUB UP TO CEILING WITH 3/4" MINIMUM EMT CONDUIT. DEVICES AND INSTALLATION SHALL BE BY OWNER'S I.T. PROVIDER. VOICE/DATA CABLES WILL BE TERMINATED IN DATA CLOSET OFF THE STAFF LOUNGE.
 - ALL NEW CIRCUITS AND NEW PANEL ARE IN BOLD TYPE. EXISTING PANEL AND EXISTING CIRCUITS ARE IN REGULAR TYPE.

- KEYED NOTES:
- MOUNT 42" ABOVE FINISHED FLOOR.
 - MOUNT 6" ABOVE COUNTERTOP. COORDINATE WITH BACKSPLASH.
 - CIRCUIT FOR MOTOR-OPERATED DEVICES.
 - 15 AMP 2-POLE CIRCUIT FOR ENERGY RECOVERY UNIT. LOCATION ABOVE CEILING.
 - MOUNT QUAD POWER RECEPTACLES AND PHONE/DATA CONNECTOR BELOW COUNTERTOPS.
 - EXISTING DOMESTIC HOT WATER HEATER. REFER TO MANUFACTURERS WIRING DIAGRAM FOR CALL LIGHT AND CALL STATION WIRING DETAILS.
 - REFER TO MANUFACTURERS WIRING DIAGRAM FOR CALL LIGHT AND CALL STATION WIRING DETAILS.
 - EXISTING NURSE CALL MASTER STATION.
 - EXISTING NURSE STATION POWER SUPPLY.
 - NEW CALL LIGHT. MATCH WITH EXISTING MANUFACTURER AND PART NUMBER.
 - NEW EMERGENCY PULL CORD MATCH WITH EXISTING MANUFACTURER AND PART NUMBER.
 - FURNISH BOXES AND CONDUITS FOR CARD READER AND ELECTRIC LOCK/STRIKE. COORDINATE WITH DOOR HARDWARE. WIRE BACK TO DATA ROOM.
 - NEW 200A 3-POLE BREAKER. MATCH KAC RATING TO THE EXISTING 150 AMP 3-POLE BREAKER.
 - UNDER COUNTER REFRIGERATOR RECEPTACLE.

- WIRING SCHEDULE:
- 4#3/0AWG CU & #6GND, 2"C.
 - 4#3AWG CU & #6GND, 1-1/4"C.



4 ONE-LINE DIAGRAM
SCALE: NOT TO SCALE



REV	DESCRIPTION	DATE