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BJC / O'FALLON  
 FAMILY HEALTH CENTER  
 2630 Highway K  
 O'Fallon, Missouri 63366

Revisions  
 Date Description

DR CK DATE  
 MJS ADB 11/4/97

Plotted: 11/4/97

Sheet No. E-2  
 Job No. 9756-0598



KEY NOTES

- Under counter Refrigerator, 33A / 20V. Duplex Recept.
- Coffee Brewer 6A / 20V. Dedicated Duplex Recept. mounted at 44" AFF.
- TV/VCR on portable cart, 2A / 20V. Dedicated Duplex Recept.
- Computer Outlets 200VA / 20V. (4 to 6) Duplex Recept.
- Laser Printer, 200VA/20V. Dedicated Duplex Recept. mounted at 44" AFF.
- Fax Machine, 180VA/20V. Duplex Recept. mounted at 44" AFF.
- Credit Card Super, 180VA/20V. Plug-in above counter top.
- Copier, 26A/20V dedicated circuit.
- Double X-Ray Film Illuminator, GEESB0303. Direct wired with hospital grade TC from J-Box above. Verify mounting height.
- Bright Spot Illuminator, GEESB0303. Plug-in with foot control.
- Paper shredder under counter top. Plug-in 20V.
- Ocscope / Ophthalmoscope, 20V. Plug-in standard recept.
- Typical Ocscope / Ophthalmoscope, 2A/20V. Plug-in Standard Recept.
- Exam Table - 2A/20V - Plug-in Standard Recept.
- Trans. "T-1"
- Panel "DLP"
- Panel "PP"
- BNT Chair, 3A/20V - Plug-in Standard Recept.
- 6ft Lamp, 2A/20V - Plug-in Standard Recept.
- Breath Analyzer, 2A/20V - Plug-in Standard Recept.
- Autoclave counter mounted, dedicated 26A/20V circuit to recept. mounted at 44" AFF.
- Security camera to be installed in the Lobby and outside. Mount J-Box at 6' clear from ceiling or roof line. Run security cable back to monitor located in Urgent care 750.
- 20V USED
- NOT USED
- Ice Machine, counter mounted 3A/20V to be direct connected to J-Box mounted at 44" AFF.
- Centrifuge, 20V Plug-in Recept. mounted at 44" AFF.
- Microscope, 20V Plug-in Recept. mounted at 44" AFF.
- Labs Printer, 20V Plug-in Recept. mounted at 44" AFF.
- Full size Rangefinder, 2A/20V Dedicated circuit to be Plug-in Recept.
- Fluoroscope Over, 3A/20V dedicated recept. mounted at 66" AFF. Verify in field and sheet A&J details.
- Dental Vacuum Pump, 26A/20V. Verify location with Vendor.
- Dental Compressor, 36A/20V. Verify location with Vendor.
- Buck 4 Boost Transformer for Dental equipment, GE 915B010
- Light Communication System furnished by vendor. Verify field wiring with Vendor. Teflon cable to be run from exit station to each exam room.
- The Clock, 20V plug-in recept. mounted at 48" AFF.
- Postage Meter, 20V plug-in Recept.
- High Speed Printer, 2A/20V dedicated recept.
- Full size Copier, 18A/20V dedicated recept.
- Transfer Machine, 20V plug-in Recept.
- Laser Printer, 18A/20V dedicated recept.
- Printer (on cart), 20V plug-in recept.
- Coloscope, 2A/20V plug-in recept.
- Hydrator / Cryo Unit, 2A/20V plug-in Recept.
- Med. Equipment Cart, 20V plug-in Recept.
- Desktop copier, 6A/20V plug-in Recept.
- Credit Card Swipe Unit, 20V plug-in Recept. at 24" AFF.
- Site specific automatic handler for 20V and controlled by switch located in hallway for drug testing area only.
- X-Ray Equipment to be verified with BUC and Vendor Specification.
- 2 1/2" Walker or equal floor duct run between controller and X-Ray Unit.
- X-Ray control station. Verify power & control wiring with BUC and Vendor Specification.
- X-Ray Film Copier, 6A/20V dedicated plug-in Recept.
- X-Ray File Copier, 18A/20V dedicated plug-in Recept. mounted at 44" AFF.
- 26A/20V circuit for Automatic Door Opener.
- Ultrasonic Cleaner, 2A/20V plug-in Recept.
- 26A/20V circuit for sign controlled by TC-1'
- NOT USED
- See site plan for location of security camera on parking pole. Aim camera to cover rear lot area.
- Stub up 3/4" conduit above ceiling and run TV cable to Automatic Fire Alarm design sheet E-3.
- Typical Floor Locations for dental chair. Telephone to be furnished by others. Verify location in field.
- X-Ray power connection 20V. Note control cable to be run over to remote switch. Verify with Vendor drawings.
- Dental Vacuum Pump, 26A/20V. Verify location with Vendor.
- Dental Compressor, 36A/20V. Verify location with Vendor.
- Buck 4 Boost Transformer for Dental equipment, GE 915B010
- Light Communication System furnished by vendor. Verify field wiring with Vendor. Teflon cable to be run from exit station to each exam room.

SCHEDULE FOR PANEL: PP BUSSING AMPS: 400AMP VOLTAGE: 120/208V PHASE: 3 WIRE: 4 NEMA: 1  
 MAINS: 400A M.C.B. MOUNTING: Surface TYPE: PANELBOARD REMARKS: SECTION #1

LOAD DESCRIPTION	WIRE	P	AMP	CCT	V/A	PHASE	V/A	CCT	AMP	P	WIRE	LOAD DESCRIPTION
Fax & Credit Card	12	1	20	1	750	A	1440	2	20	1	12	General Office Recept.
Laser Printer	12	1	20	3	1500	B	1440	4	20	1	12	General Office Recept.
PCs power	12	1	20	5	1000	C	1500	6	20	1	12	Office Printer
General Exam Rm. power	12	1	20	7	1440	A	1000	8	20	1	12	PCs power
PCs power	12	1	20	9	1000	B	1330	10	20	1	12	Copier
Laser Printer	12	1	20	11	1500	A	1000	12	20	1	12	PCs power
PCs power	12	1	20	13	1000	A	1500	14	20	1	12	Laser Printer
PCs power	12	1	20	15	1000	B	500	16	20	1	12	EKG Cart
PCs power	12	1	20	19	1000	A	500	18	20	1	12	Hydrator / Cryo Cart
Laser Printer	12	1	20	17	1500	C	1500	20	20	1	12	Autoclave
PCs power	12	1	20	21	1000	B	1220	22	20	1	12	PCs power
General Exam Rm. power	12	1	20	23	1440	C	1500	24	20	1	12	Refrig. & Freezer
PCs power	12	1	20	25	1000	A	850	26	20	1	12	Printer in Lab
Laser Printer	12	1	20	27	1500	B	850	28	20	1	12	Lab Equipment
General Recept.	12	1	20	29	1080	C	900	30	20	1	12	Lab Refrig.
Automatic Door Opener	12	1	20	31	1500	A	1000	32	20	1	12	PCs power
Office Equipment	12	1	20	33	1200	B	720	34	20	1	12	General Exam Recept.
PCs power	12	1	20	35	1000	C	1500	36	20	1	12	Large Copier
Laser Printer	12	1	20	37	1500	A	900	38	20	1	12	Lobby Accent & Track Lighting
Laser Printer	12	1	20	39	1500	B	1500	40	20	1	12	Sign Lighting
High Speed Printer	12	1	20	41	1200	C	0	42	20	1	12	Spore

SEE SECTION #2 FOR TOTAL LOAD

SCHEDULE FOR PANEL: DLP BUSSING AMPS: 200A VOLTAGE: 120/208V PHASE: 3 WIRE: 4 NEMA: 1  
 MAINS: 200A M.C.B. MOUNTING: SURFACE TYPE: PANELBOARD REMARKS: None

LOAD DESCRIPTION	WIRE	P	AMP	CCT	V/A	PHASE	V/A	CCT	AMP	P	WIRE	LOAD DESCRIPTION
Dental Chairs	12	1	20	1	1500	A	1200	2	20	1	12	X-Ray Unit
Dental Chairs	12	1	20	3	1500	B	1200	4	20	1	12	Coffee Brewer
Dental Chairs	12	1	20	5	750	C	1200	6	20	1	12	Microwave
General Purpose Receptacles	12	1	20	7	720	A	1200	8	20	1	12	Ice maker / Refrig.
General Purpose Receptacles	12	1	20	9	720	B	1200	10	20	1	12	Snack Machines
General Purpose Receptacles	12	1	20	11	720	C	1500	12	20	1	12	Dark Room
General Purpose Receptacles	12	1	20	13	720	A	1500	14	20	1	12	Sterilizer
Office Equipment	12	1	20	15	900	C	5000	16	50	2	6	Buck & Boost for
Copier	12	1	20	17	1500	B	5000	18	50	2	6	Compressor & Vacuum Pump
Spore	1	20	19	0	A	5000	20	>	>	>	>	Spore
Spore	1	20	21	0	B	0	22	20	1			Spore
Spore	1	20	23	0	C	0	24	20	1			Spore
Spore	1	20	25	0	A	0	26	20	1			Spore
Spore	1	20	27	0	B	0	28	20	1			Spore
Spore	1	20	29	0	C	0	30	20	1			Spore
Spore	1	20	31	0	A	0	32	20	1			Spore
Spore	1	20	35	0	B	0	34	20	1			Spore
Spore	1	20	37	0	C	0	36	20	1			Spore
Spore	1	20	39	0	A	0	38	20	1			Spore
Spore	1	20	41	0	B	0	40	20	1			Spore
Spore	1	20	43	0	C	0	42	20	1			Spore

TOTAL CONNECTED VA: 126,960VA  
 TL AMPS: 353A

SCHEDULE FOR PANEL: PP BUSSING AMPS: 400 VOLTAGE: 120/208V PHASE: 3 WIRE: 4 NEMA: 1  
 MAINS: 400A M.C.B. MOUNTING: SURFACE TYPE: PANELBOARD REMARKS: SECTION #2

LOAD DESCRIPTION	WIRE	P	AMP	CCT	V/A	PHASE	V/A	CCT	AMP	P	WIRE	LOAD DESCRIPTION
Time Clock & Gen. Recept.	12	1	20	43	1440	A	1400	44	20	1	12	Dishwasher / Disposal
Spore	12	1	20	45	0	B	2000	46	20	1	12	Coffee Brewer
Spore	12	1	20	47	0	C	1500	48	20	1	12	Microwave
Spore	12	1	20	49	0	A	1600	50	20	1	12	Ice maker / Refrig.
Breath Analyzer	12	1	20	51	750	B	1100	52	20	1	12	Snack Machines
Autoclave	12	1	20	53	1400	C	1500	54	20	1	12	X-Ray Controller
PCs power	12	1	20	55	1200	A	1500	56	20	1	12	X-Ray Film Processor
Dedicated Telephone Rm. Circuit	12	1	20	57	1100	B	1200	58	20	1	12	X-Ray Film Copier
Dedicated Telephone Rm. Circuit	12	1	20	59	1100	C	900	60	20	1	12	Viewer / General Recept.
Spore	12	1	20	61	0	A	360	62	20	1	12	Treatment "A" Dedi. Circuit
Spore	12	1	20	63	0	B	360	64	20	1	12	Treatment "B" Dedi. Circuit
Ice maker / TV / Gen. Recept.	12	1	20	65	1200	C	2000	66	20	1	12	Coffee Brewer
PCs power	12	1	20	67	1000	A	900	68	20	1	12	Undercounter Frig. / Gen. Recept.
Laser Printer	12	1	20	69	1500	B	1100	70	20	1	12	TV / VCR power
PCs power / Fax / Credit Card	12	1	20	71	1400	C	1500	72	20	1	12	Laser Printer
Copier	12	1	20	73	1330	A	1080	74	20	1	12	Exam Table & Silt Lamp
General Recept.	12	1	20	75	600	B	1500	76	20	1	12	PCs power
General Recept.	12	1	20	77	540	C	360	78	20	1	12	Electric Room Recept.
General Recept.	12	1	20	79	540	A	1100	80	20	1	12	EW
X-Ray Unit	12	2	150	81	540	B	0	82	20	1	12	Spore
Spore	>	>	>	83	540	C	0	84	20	1	12	Spore

TOTAL CONNECTED VA: 126,960VA  
 TL AMPS: 353A

ELECTRICAL POWER PLAN  
 Scale: 1/8" = 1'-0"

