GENERAL CONDITIONS (ALL TRADES)

1. EQUIPMENT SPECIALISTS

(a) Definition

Equipment Specialists are referred to as the technically trained specialist who due to their unique expertise in the field have assisted the Owner in the preparation of drawings and specifications in the construction of the proposed facilities.

(b) Drawings

THESE DIAGRAMS ARE NOT AN ARCHITECTURAL PLAN. These diagrams do not include all of the requirements that may be necessary for an architect to provide you with the complete architectural plans. Sullivan–Schein Dental's diagrams **MAY NOT** be submitted as finished architectural drawings for the purpose of obtaining a building permit. **IF YOU SHOULD CHOOSE TO USE SULLIVAN–SCHEIN DENTAL'S DIAGRAM IN THE PLACEMENT OF YOUR EQUIPMENT, YOU SHOULD RETAIN A REGISTERED ARCHITECT TO CONVERT THE DIAGRAM INTO PROPER AND COMPLETE ARCHITECTURAL PLANS.** Sullivan–Schein Dental will work with the architect you select to develop complete architectural plans.

The drawings and all the information therein are the sole property of Sullivan–Schein Dental Products, Inc. and are submitted confidentially, subject to return upon request. They may not be used for reproduction without the expressed written consent of Sullivan–Schein Dental.

(c) Construction

The Equipment Specialist will be available to assist the Contractor(s) and the Owner in the interpretation of drawings and specifications.

They will not be responsible for any unforeseen conditions arising out of or during the course of construction nor for any deviations from drawings and/or specifications without their written endorsement.

2. SULLIVAN–SCHEIN DENTAL

(a) Definition

Sullivan–Schein Dental is referred to as the equipment supplier engaged by the Owner under a separate contract.

(b) Construction

Sullivan–Schein Dental will issue detail (shop) drawings showing critical locations of all dental and allied equipment. Sullivan–Schein Dental's representative will be available for periodic field visits. Visits will be limited to a pre–construction on job meeting, layout checks and instructions to the various trades in the critical aspects of the work pertaining to dental and allied equipment. All requests for field visits shall allow reasonable advanced notice. Sullivan–Schein Dental **WILL NOT** assume any responsibilities for deviations from detail drawings and specifications without prior written endorsement.

During construction, Sullivan–Schein Dental will periodically check the job. It is the responsibility of the contractor to have plumbing, wiring and wood backing checked before pouring slabs, sealing partitions and ceiling.

(c) Equipment Installation

A pre–construction meeting is required with the general contractor, plumber, electrician, cabinet maker and Sullivan–Schein Dental. All templates critical to equipment installation will be distributed at this meeting.

Sullivan–Schein Dental's representative will inspect premises prior to the installation of its equipment at which time all finishes (ceilings, flooring, painting and decorating) and mechanical work must be completed. Responsibilities for the installation and/or hook–up of dental equipment will be defined in the specifications for each trade.

Sullivan–Schein Dental will require that all applicable trades be represented at the time of installation.

The contractor is to include the final hookup to all dental equipment. The installation date to be coordinated with Sullivan–Schein Dental.

3. CONTRACTOR

(a) Definition

The contractor is referred to as the person(s) or entity who has entered into a contractual agreement with the Owner for the work defined in such agreement. If the entire construction of the premises is let under a single contract, the Contractor may be referred to as the General Contractor.

If the construction of the project is let under separate contracts, the responsibilities stipulated below shall apply to each contractor.

(b) Responsibilities

Contractor shall be held responsible for the execution of this work in accordance with the true intent of the drawings and specifications which is in effect, a complete first class job, and to furnish all labor and materials required thereof, **WHETHER OR NOT** each and every item is specifically mentioned.

The Contractor shall thoroughly familiarize himself with the drawings, specifications and conditions covering this job. The Contractor shall advise the Owner and Agent of any conflict between these drawings and the field conditions before proceeding with the job.

The Contractor shall comply with all state and city laws, ordinances, rules and regulations of authorities having jurisdiction, and shall file all necessary applications and obtain and pay for all permits and certificates of approval pertaining to the construction of the premises, except otherwise stated. Permits obtained shall include the connection to all dental equipment and fixtures.

All measurements shall be checked at the job site.

The Contractor shall assume all responsibility for the accuracy of field measurements and conditions and shall be responsible for the proper modifications to any existing work, previously installed work and/or other trades. Written approval **MUST BE** obtained from the Equipment Specialist before any changes and/or deviations from drawings and specifications are made.

The Contractor shall assume **FULL** responsibility for the execution of his/her work and for any changes and/or deviations from drawings or specifications made without prior written approval from the Owner and/or the Owner's Equipment Specialist. The cost of corrections resulting from changes and/or deviations shall be borne by the contractor.

A complete set of drawings must be kept at the job site at all times and any changes must be noted thereon and initialed.

The Contractor shall indemnify and hold harmless the Owner and the Owner's Consultant from and against all claims for damage to person and/or property suffered as a result of the performance of work, **WHETHER OR NOT**, caused by negligence, and any expenses (including, without limitations, attorney's fees and disbursements) incurred in the connection therewith.

(c) Other Requirements

The Contractor shall participate at job coordination meetings with Sullivan–Schein Dental and insure attendance of representatives of the mechanical trades.

All trades shall do their own cutting. The General Contractor shall do all patching to conform to material, texture and surface alignment with the adjoining surface and final touch up of all finished surfaces.

The Contractor shall insure the protection of all equipment furnished under his/her contract and by others.

The Contractor shall remove debris and maintain the premises broom clean at all times. Debris is to include, but not limited to, shipping cartons, boxes, etc., resulting from the installation of dental and other equipment by Contractor(s) concurrently engaged.

The Contractor is to issue a written one year warranty on all work done.

4. OWNER

(a) Definition

The Owner is referred to as the person(s) or entity who owns or leases the premises for which a construction agreement has been entered upon with the Contractor.

Where the Owner, as referred to above, leases the premises the entity who has ownership of the property will be referred to as the Landlord.

The Owner will collaborate with the Contractor to protect all materials and equipment delivered to the job site (including dental).

The Owner will carry insurance as stipulated in the agreement with the Contractor.

5. SEPARATE CONTRACTS

The Owner reserves the right to perform work related to the Project with his own forces, and to award separate contracts in connection with other portions of the Project or other work on site under these of similar Conditions of Contract. If the Contractor claims that delay or additional cost is involved because of such action by the Owner, he shall make sure claim as provided elsewhere in the Contract Documents.

The Contractor shall afford the Owner and separate Contractors reasonable opportunity for the introduction and storage of their materials and equipment and the execution of their work, and shall connect and coordinate their work with others as required by the Contract Documents. **ANY COSTS CAUSED BY DEFECTIVE AND/OR ILL–TIME WORK SHALL BE BORNE BY THE PARTY RESPONSIBLE THEREFORE.**

GENERAL NOTES

1. All plumbing and electrical lines to be concealed unless otherwise specified.
2. All labor and material necessary for changes in existing plumbing, carpentry and electrical work must be done and supplied by the Contractor and **IS NOT INCLUDED IN THE COST OF EQUIPMENT.**
3. The Contractor shall remove rubbish and do all patching after roughing in is completed.
4. Rough–in and finish work for dental equipment is to be according to templates furnished by the manufacturers of equipment being installed. A representative of Sullivan–Schein Dental will position the templates in their proper locations, at which time all specifications on the plans will be explained to the Contractor or Subcontractor(s). All specified sizes of pipes, tubings, fittings etc. **MUST BE RIGIDLY FOLLOWED AS WELL AS PROPER HEIGHTS MARKED.** Any infractions on sizes or heights of pipes, tubing and/or fittings will have to be connected before the equipment can be installed and such extra expense will be the responsibility of the contractor and/or the sub.
5. The doctor shall designate responsibility for providing and installing cabinets and laminate counter tops (other than those specified and/or contracted by Sullivan–Schein Dental).
6. The doctor shall make arrangements for installation on non–dental systems (separate contract) before walls are closed.
7. The circuit breaker box shall be located in the suite and conveniently accessible. Location to be approved by doctor.
8. The Sullivan–Schein Dental representative shall give instruction to the General Contractor only. All communications and coordination with tradesmen shall be the responsibility of the General Contract unless predetermined to be otherwise.
9. The General Contractor must sign this sheet stipulating that he/she understands and will comply with all specifications before the work will start. A signed copy of the plans are to be returned to the Doctor and Sullivan–Schein Dental.
10. Sullivan–Schein Dental will assemble and connect to mechanical services, as local code permits, such as electrical, cold water, waste, gas, air and vacuum whichever are required for operation if this item, provided such mechanical services are supplied completely by other trades and are brought to positions specified by Sullivan–Schein Dental and are supplied with proper connections, fittings, and/or junctions. Sullivan–Schein Dental will connect to such fittings and/or junctions provided our service technicians are permitted to do so by other trades and are not prohibited from working by their trade union affiliation or lack of trade union affiliation. Installation permits, if required, shall be obtained by trades who provide the service.

To The Contractor:

Although most dental utility and specification requirements are outlined in the Sullivan–Schein Dental utility layouts, questions will arise on the job site. Most questions can be answered by telephone. Some questions and the spotting of some utilities must be accomplished at the job. In this case call the below mentioned person and set up an appointment to meet on the job. **(ADVANCED NOTICE IS PREFERRED).**

If an on the job appointment is regarding plumbing, it would also be helpful to check with the Electrician and Carpenter so their questions can be answered during the same appointment. The same procedure can be used for the electrical and carpentry appointments When Sullivan–Schein Dental's Representative is on the job, he/she will also check the dental utilities already in place, for possible error. **ERRORS SHOULD BE CORRECTED AS THE JOB PROCEEDS.**

The most important on the job inspections are prior to the floor being poured and the walls being closed. At these times, any remaining errors can be found and corrected. It is the responsibility of the Contractor to call for this inspection.

Primary person to contact for this plan set is:

_____ Telephone _____

Primary installation technician for this job is:

_____ Telephone _____

Contractors Approval:

_____ Telephone _____

DENTAL EQUIPMENT SPECIFICATION SHEET

NOTES:

A = APPLICABLE. ONLY NUMBERS REFERENCED ON THE DENTAL LAYOUT SHEET APPLY.

ALL EXACT EQUIPMENT LOCATIONS WILL BE SPOTTED ON THE JOB BY A SULLIVAN–SCHEIN REPRESENTATIVE

THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED HEREIN ARE SUGGESTION FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.

ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER'S SPEC SHEETS, PROVIDED BY SULLIVAN–SCHEIN DENTAL EQUIPMENT SPECIALIST. MANUFACTURER'S SPECS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN.

			COLD WATER	HOT WATER	DRAIN	AIR	MATERIAL GAS	VACUUM	N_2O, O_2	OXYGEN	VENT	ELECTRICAL	VOLTAGE & AMPS	DEDICATED CIRCUIT	LOW VOLTAGE	REMOTE SWITCH	DETAIL NUMBER	SPEC #
A	1	UTILITY CENTER – See mfg. specs. Back flow prevention required as per local code.				X	X		X			X	115V 20A				D–1	1
	2	UTILITY CENTER – See mfg. specs. Back flow prevention required as per local code.	X				X					X	115V 20A				D–2	2
	2A	UTILITY CENTER WITH SELF CONTAINED WATER SYSTEM – See mfg. specs. No cold water required.					X					X	115V 20A				D–2A	2A
A	3	UTILITY CENTER – See mfg. specs. Back flow prevention required per local code.	X				X		X			X	115V 20A				D–3	3
	3A	UTILITY CENTER WITH SELF CONTAINED WATER SYSTEM – See mfg. specs. No cold water required.					X		X			X	115V 20A				D–3A	3A
	4	FOOT CONTROL – 3/4" pipe chase with pull–wire from Dental Chair Location to #1, #2 or #2A and/or #3 or #3A. Electrician to install.																4
	4A	EMPTY CONDUIT – Pipe chase with pull–wire to be supplied and installed by Electrician. Size to be determined by Sullivan–Schein Equipment Specialist.																4A
	5	DENTAL CHAIR RECEPTACLE – Supplied and installed by electrician. Location spotted by Sullivan–Schein Equipment Specialist.										X	115V 9.5A				D–5	5
	6	DENTAL LIGHT (TRACK) – See mfg. specs. Requires mounting pallet in ceiling, see detail.										X	115V 3A				D–6	6
	6A	DENTAL LIGHT (CEILING) – See mfg. specs. Requires mounting bracket in ceiling, see detail.										X	115V 5A				D–6A	6A
A	6B	DENTAL LIGHT (CHAIR MOUNTED) – See mfg. specs. May be combined with dental chair receptacle #5.										X	115V 3A					6B
	6C	DENTAL LIGHT (WALL MOUNTED) – See mfg. specs. See typical blocking detail on wall detail sheet.										X	115V 3A					6C
	6D	DENTAL LIGHT (CENTER CABINET MOUNTED) – See mfg. specs. Receives power from cabinet J–box (see spec 11F).										X	115V 3A					6D
A	7	NITROUS OXIDE, OXYGEN & VACUUM STATION – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber. Silver soldered to type L or K copper lines, 3/8" OD Nitrous and 1/2" OD Oxygen and Vacuum coming from the manifold system. See detail. Location spotted by Sullivan–Schein Equipment Specialist.							X	X							D–7	7
	7A	OXYGEN OUTLET – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber. Silver soldered to type L or K copper lines coming from the manifold system. See detail. Location spotted by Sullivan–Schein Equipment Specialist.								X							D–7A	7A
	7B	NITROGEN OUTLET – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber. Silver soldered to type L or K copper lines coming from the manifold system. See detail. Location spotted by Sullivan–Schein Equipment Specialist.							X								D–7B	7B
	7C	NITROUS OXIDE FLOW METER – See mfg. specs. Supplied by Sullivan–Schein Dental. Installed by Plumber. Location specified by Sullivan–Schein Equipment Specialist. See detail.							X								D–7C	7C
	8	RECESSED X–RAY VIEW BOX – See mfg. specs. Supplied by owner, installed by Contractor.										X	115V .1A				D–8	8
A	9	X–RAY (SELF–CONTAINED) – See mfg. specs. Requires a mechanical ground and mounting support. See wall details.										X	115V 20A OR 220V 20A					9
	9A	X–RAY MASTER CONTROL – See mfg. specs. Connect electrician provided wires to x–ray head. Backing required. See detail.										X	115V 20A OR 220V 20A	X			D–9A	9A
	9B	X–RAY HEAD, ARM, AND WALL BRACKET – See mfg. specs. Connect electrician provided wires to master control. Backing required. See wall details.										X	115V 20A OR 220V 20A					9B
	9C	X–RAY REMOTE CONTROL EXPOSURE STATION – See mfg. specs. Connect electrician provided wires to x–ray master control. Backing may be required.										X						9C
A	9D	X–RAY REMOTE MOMENTARY CONTACT EXPOSURE BUTTON – Supplied by Sullivan–Schein. Installed by electrician. Connect wires to x–ray master control per mfg. specs.										X			X		D–9D	9D
	9E	X–RAY REMOTE TIME STATION – Supplied by Sullivan–Schein. See mfg. specs. Connect wires to master control via pipe chase w/ pull–wire.																9E
A	9F	MOUNTING SUPPORT – See details (per mfg. type). See typical blocking detail on wall detail sheet.																9F
	10	SIGNAL LIGHT COMMUNICATION SYSTEM – See mfg. specs. Supplied by Sullivan–Schein. Installed by Electrician. See detail. Location determined by Doctor and verified by Sullivan–Schein Equipment Specialist.													X		D–10	10
	10B	POWER OUTLET – For signal system. Location to be determined by Doctor and verified by Sullivan–Schein Equipment Specialist.										X	115V 15A					10B
	11	MODULAR SINKS & FAUCETS – Supplied by Sullivan–Schein. Installed by Plumber. Air may be required –– see manufacturer's template.	X	X	X													11
	11A	STANDARD OP SINKS & FAUCETS – Supplied and installed by plumber. (Elkay BCR 15x15 w/ Delta 710 Faucet).	X	X	X													11A
	11B	STANDARD LAB SINKS & FAUCETS – Supplied and installed by plumber. (Elkay CR 25x21 w/ Chicago 786 Faucet).	X	X	X													11B
A	11C	STANDARD STERILE SINKS & FAUCETS – Supplied and installed by plumber. (Elkay CR 33x21 w/ Chicago 200–GN8A–E3–317 or Delta 2474 LHP Faucet).	X	X	X													11C
	11D	STANDARD PHOTO CLOSET SINKS & FAUCETS – Supplied and installed by plumber. (Elkay CR25x21 w/ Delta 2474LHP or Chicago 200–GN8A–E3–317).	X	X	X													11D
	11E	EYE WASH STATION – Supplied by Sullivan–Schein and installed by Plumber, per doctors location.	X	X	X													11E
	11F	CENTER CABINET – Supplied by Sullivan–Schein. Requires loop vent, air, water, drain, and electrical connections. See template.	X	X	X						X	X	115V					11F
	12	FOOT PEDAL SINK CONTROL – From #12 to #11. Supplied Sullivan–Schein and installed by Plumber.				X												12
	12A	FOOT PEDAL SINK CONTROL – From #12A to #11A. Supplied and installed by Plumber.				X												12A
	12B	TAPMASTER FAUCET CONTROL – From #12B to sink indicated on plan. Supplied by Sullivan–Schein and installed by Plumber. See detail drawing.				X											D–12B	12B
A	13	AIR VALVE – Supplied and installed by Plumber. 1/2" FPT coupling. See detail.				X											D–13	13
	13A	GAS VALVE – Supplied and installed by Plumber. 3/8" FPT coupling. See detail.					X										D–13–3	13A
	13B	AIR AT STERILIZATION – Supplied and installed by plumber. 1/2" air line with quick disconnect. See Detail.				X											D–13–1	13B
A	14	STERILIZER (STATIM) – See mfg. specs. Switched outlet recommended for this unit, especially if mounted inside a cabinet.										X	115V 15A 60HZ	X			D–14	14
A	14A	STERILIZER (AUTO–CLAVE) – See mfg. specs. See detail.										X	115V 20A 50/60 Hz	X			D–14A	14A
	14B	STERILIZER (LARGE CAPACITY) – See mfg. specs. Single phase power.										X	210V OR 230V 60Hz	X				14B
	15	ULTRASONIC CLEANER – See mfg. specs.			X							X	115V 15A or 220V 20A				D–15	15
	15A	INSTRUMENT WASHER –– Supplied by Sullivan–Schein. See mfg. specs.	X	X	X							X	208–240 V 60HZ 10A/15A	X			D–15A	15A
	16	MODEL TRIMMER – See mfg. specs. Plumber to install chrome angle stop with 3/8" copper FPT outlet. Back flow prevention per code.										X	115V				D–16	16
	17	PLASTER TRAP – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber on sink waste line.			X												D–17	17
	18	DEVELOPING TANK – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber.	X	X	X												D–18	18
	19	MIXING VALVE – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber. Back flow prevention required per local code.	X	X														19
	20	AUTOMATIC FILM PROCESSOR – See mfg. specs. Supplied by Sullivan–Schein. Installed by Elec. & Plumber. See detail. Back flow prevention per code.	X	X	X							X	115V				D–20	20
	20A	PERI–PRO AUTOMATIC FILM PROCESSOR – See mfg. specs. Supplied by Sullivan–Schein. Installed by Electrician. See detail.										X	115V				D–20A	20A
	20B	SILVER RECOVERY UNIT – Piped inline on photo processor fixer drain line. Consult local codes to verify allowable drain methods for chemical solutions.			X												D–20B	20B
	21	SAFELIGHT RECEPTACLE – 72" H outlet wired to switch and lighted jewel. Supplied and installed by Electrician.										X	115V				D–21	21
	21A	LIGHTED JEWEL – Supplied and installed by Electrician. Wired to SafeLight switch. To be located @ exterior of photo closet.										X						21A
	21B	WEATHER STRIP & DOOR SWEEP – Installed at Photo Closet door, by contractor, for a light tight seal. Treat as an exterior door.																21B
	22	PLUGMOLD ELECTRICAL STRIP – Supplied and installed by Electrician. Outlets to be 12" o.c. (Alterable circuit).										X	115V 15A	X				22
A	23	EXHAUST FAN – Supplied and installed by Electrician. May require a switch depending on application, See Ceiling Plan, vent to outside.										X	115V 15A					23
	24	AIR COMPRESSOR – See mfg. specs 1/2" I.D. copper tubing. Sullivan–Schein to supply buck–booster if required. Fresh–air intake vent supplied by contractor. See detail.										X	See mfg. specs.	X	X		D–24	24
	25	AIR COMPRESSOR W/ DRYER – See mfg specs. 1/2"I.D. copper tubing. Sullivan–Schein to supply buck–booster if req'd. Fresh–air intake vent supplied by contractor. See detail.										X	See mfg. specs.	X	X		D–25	25
	26	VACUUM SYSTEM (WET) – See mfg. specs. 1–1/2" main trunk lines. Use PVC schedule 40 pipes where permitted by code. Sullivan–Schein to supply cyclone separator if req'd. Outside–vent req'd. Back flow prevention req'd as per local code. Sullivan–Schein to supply buck–booster if req'd. See details.	X	X	X			X			X	X	1 – 115V		X	X	D–26	26
A	26A	VACUUM SYSTEM (WET) – See mfg. specs. 1–1/2" main trunk lines. Use PVC schedule 40 pipes where permitted by code. Sullivan–Schein to supply cyclone separator if req'd. Outside–vent req'd. Back flow prevention req'd as per local code. Sullivan–Schein to supply buck–booster if req'd. See details.	X	X	X			X			X	X	1 – 220V		X	X	D–26A	26A
	26B	VACUUM SYSTEM (WET) – See mfg. specs. 1–1/2" main trunk lines. Use PVC schedule 40 pipes where permitted by code. Sullivan–Schein to supply cyclone separator if req'd. Outside–vent req'd. Back flow prevention req'd as per local code. Sullivan–Schein to supply buck–booster if req'd. See details.	X	X	X			X			X	X	2 – 230V 30A		X	X	D–26B	26B
	27	VACUUM SYSTEM (DRY) – See mfg. specs. 2" main trunk lines. Use PVC or ABS pipe with long turn fittings. Drains and Outside–vents required. Sullivan–Schein to supply buck–booster if required. See details.			X			X			X	X	1 – 115V		X	X	D–27	27
	27A	VACUUM SYSTEM (DRY) – See mfg. specs. 2" main trunk lines. Use PVC or ABS pipe with long turn fittings. Drains and Outside–vents required. Sullivan–Schein to supply buck–booster if required. See details.			X			X			X	X	1 – 220V		X	X	D–27A	27A
	27B	VACUUM SYSTEM (DRY) – See mfg. specs. 2" main trunk lines. Use PVC or ABS pipe with long turn fittings. Drains and Outside–vents required. Sullivan–Schein to supply buck–booster if required. See details.			X			X			X	X	2 – 220V		X	X	D–27B	27B
	27C	SURGICAL SUCTION PRODUCER –– See mfg. specs. 1" or 1 1/4" type L or K copper lines from treatment rooms. Outside vent req'd. See detail.			X			X			X	X	1 – 220V 20 A	X	X	X	D–27C	27C
	28	VACUUM INLET – 1/2" copper. Height and location noted on plan and verified by Sullivan–Schein Equipment Specialist.																28
	28A	SURGICAL VACUUM INLET – 1/2" copper (or per manufacturer specs). Height and location noted on plan and verified by Sullivan–Schein Equipment Specialist.															D–28A	28A
	29	AIR/WATER SEPARATOR – Supplied by Sullivan–Schein. Installed by Plumber. Outside–vent required. Drain required.			X													29
	30	WATER SOLENOID – Supplied by Sullivan–Schein. Installed by Plumber on cold water line with a valve on both sides. See detail.	X									X	115V or 24V		X	X	D–30	30
	30A	WATER SOLENOID w/ FILTER – Supplied by Sullivan–Schein. Installed by Plumber on cold water line with a valve on both sides. See detail.	X									X	115V or 24V		X	X	D–30A	30A
	30B	DENTAL WATERLINE STERILIZER –– Ultraviolet unit. Maximum water pressure 60 psi. Requires 115 VAC, 60 Hz, 1–1/2" pipe. See manufacturer specs.	X									X	115V 60Hz				D–30B	30B
	30C	WATER DISTILLATION SYSTEM –– Locate in mechanical room at office water supply. See manufacturer specs.	X									X	120V 15A or 240V 7.5A				D–30C	30C
	30D	DISTILLED WATER FAUCET –– Dedicated faucet piped downstream from Water Distillation System (Spec #30C).																30D
	30E	DENTAL WATER LINE TREATMENT SYSTEM – Supplied by Sullivan–Schein, to be locate in Dental Mechanical Room. See detail.	X		X	X											D–30E	30E
	31	PROTECTED WATER LINE – Supplied and installed by Plumber. Cold water with chrome angle stop with 1/4" FPT outlet. Electrical receptacle marked on plan. Back flow prevention required as per local code.	X															31
	32	REMOTE PANEL (AIR,WATER AND VAC) – Supplied by Sullivan–Schein. Installed by Contractor 60" A.F.F. See detail.										X			X	X	D–32	32
	32A	REMOTE PANEL (AIR,WATER AND 2VAC) – Supplied by Sullivan–Schein. Installed by Contractor 60" A.F.F. See detail.										X			X	X	D–32A	32A
	32B	REMOTE PANEL (AIR AND VAC) – Supplied by Sullivan–Schein. Installed by Contractor 60" A.F.F. See detail.										X			X	X	D–32B	32B
	32C	MASTER LIGHTING CONTACTOR – Supplied and installed by Electrician.										X						32C
A	33	NITROUS OXIDE & OXYGEN MANIFOLD SYSTEM – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber. Requires L or K copper lines, silver soldered to trunk lines running to each operatory. Pressure tested with Dry Nitrogen to 150 PSI for 24 hours by Plumber. FOLLOW NFPA CODES. See details							X	X			115V 1.5A				D–33 N20	33
	33A	NITROGEN MANIFOLD SYSTEM – Supplied by Sullivan–Schein. Installed by Plumber. See mfg. specs. Requires L or K copper lines.																33A
	34	NITROUS OXIDE & OXYGEN ALARM SYSTEM – Supplied by Sullivan–Schein. Installed by Electrician. See mfg. specs. Location per Sullivan–Schein Equipment Specialist and confirmed by Doctor. See detail.										X	115V 1.5A		X		D–34	34
	34A	NITROUS OXIDE & OXYGEN ZONE CUT–OFF VALVES – See mfg. specs. Supplied by Sullivan–Schein. Installed by Plumber. Requires L or K copper lines, silver soldered to trunk lines. Pressure tested to 150 PSI for 24 hours by Plumber with Dry Nitrogen. FOLLOW NFPA CODES. See details.															D–34A	34A
	35	BLOCKING SUPPORT – For wall mounted Dental Units and Wall Hung Cabinets. See wall detail sheet.																35
	36	MULTI OP CAMERA WALL PLATE CONNECTIONS – To be spotted @ rear of op by Sullivan–Schein Equipment Specialist. Requires an outlet and 1 (RG59) coaxial and 4 low voltage wires to be connected to the Operatory Switcher @ the Print Station.										X			X			36
	36A	MULTI OP CAMERA DOCKING STATION – Location to be spotted by Sullivan–Schein Equipment Specialist. See manufacturer's installation manual. Requires an outlet, (RJ11) and (RJ6) coaxial cables to be connected to monitor, print station and switcher.										X	115V 15A					36A
	37	MULTI OP VIDEO CONNECTIONS – To be located @ ceiling or wall mounted monitor. Requires an outlet, 1 (RG 59) coaxial, 1 (RG 6) antenna coaxial and 4 low voltage wires to be connected to the Print Station.										X			X			37
	38	PRINT STATION – To be spotted by Doctor and Sullivan–Schein Equipment Specialist. To be connected to all cables coming from operatories. See installation manual.										X	115V 15A		X			38
	39	CEILING BLOCKING FOR MONITOR MOUNT – To be spotted by Sullivan–Schein Equipment Specialist. See detail.										X	115V 15A				D–39	39
	39A	WALL BLOCKING FOR MONITOR MOUNT – To be spotted by Sullivan–Schein Equipment Specialist. See detail.										X	115V 15A				D–39A	39A
	39B	CHAIR–MOUNTED MONITOR – Connect to intraoral camera system & computer network per Sullivan–Schein Equipment Specialist.										X	115V 15A					39B
A	40	COMPUTER CIRCUIT – Dedicated circuit to be provided by Electrician. Customer's computer supplier to specify all outlet heights, locations, conduit, and wiring.										X	115V 20A	X				40
A	41	STEREO SPEAKER – Location per Sullivan–Schein Equipment Specialist and Owner. NOT SUPPLIED BY SULLIVAN–SCHEIN.										X			X			41
A	41A	STEREO VOLUME CONTROL – Knob to be located @ 48"AFF, location to be determined by Sullivan–Schein & Owner. NOT SUPPLIED BY SULLIVAN–SCHEIN.										X			X			41A
	41B	SPEAKER W/ VOLUME CONTROL – Location per Sullivan–Schein Specialist and Owner. Installed by Electrician. NOT SUPPLIED BY SULLIVAN–SCHEIN.										X			X			41B
	42	TASK LIGHTING – Feed for task lighting. Supplied by Sullivan–Schein; installed by Electrician. Electrician to provide electrical lead and switch.										X	115V (amps vary)					42
	42A	TASK LIGHTING – Feed for task lighting. Supplied and installed by Electrician. Electrician to provide electrical lead and switch.										X	115V (amps vary)					42A
	43	CEILING–MOUNTED MICROSCOPE – See manufacturer specs and detail drawing. To be spotted by microscope manufacturer's representative.										X	115V (amps vary)	X			D–43	43
	43A	WALL–MOUNTED MICROSCOPE – See manufacturer specs and detail drawing. To be spotted by microscope manufacturer's representative.										X	115V (amps vary)				D–43A	43A
	44	ELECTRICAL JUNCTION BOX –– Location to be determined on site by Sullivan–Schein Equipment Specialist. Volts & amps per manufacturer's equipment specs.										X	See mfg. specs	X				44
	45	WASHER & DRYER UTILITIES – Contractor to supply and install utilities for owner supplied Appliances. (Natural Gas option if required for dryer)	X	X	X							X	115V or 220V (amps vary)					45
			COLD WATER	HOT WATER	DRAIN	AIR	MATERIAL GAS	VACUUM	N_2O, O_2	OXYGEN	VENT	ELECTRICAL	VOLTAGE & AMPS	DEDIC. CIRCUIT	LOW VOLTAGE	REMOTE SWITCH	DETAIL NUMBER	SPEC #

REVISED 04/23/04

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Scale: 1/4"=1" Size: D
SHEET G5

Revised:

Drawing Name: BERNEBOWMAN-05
Date: 6/3/2004
Drawn by: TOM KING

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