

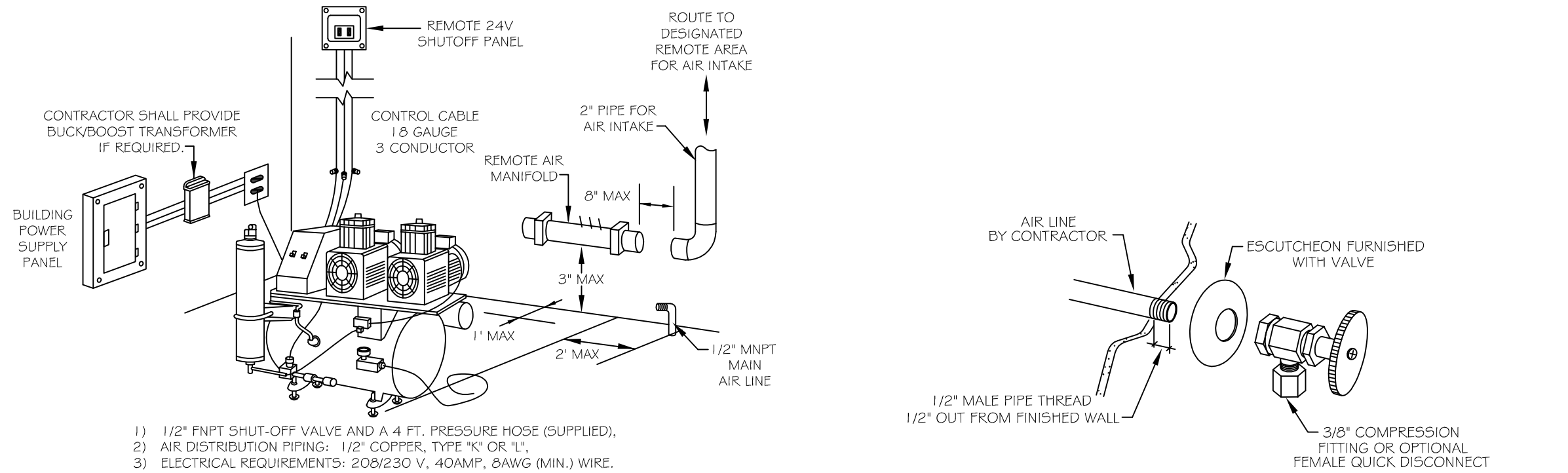
WALL BLOCKING NOTES:

1. X-ray supports (as noted), of 2 x 12's x 32" wide (min.) shall run continuously from stud to stud, braced at top and bottom and at intermediate points. These supports shall be constructed from suitable structural grade framing lumber to withstand a 1500 lb. outward pull. Frame this blocking flush with studs.
2. For the purpose of illustration, wood framing is used for the details on this sheet. The blocking shall be similar when used with metal studs.
3. The equipment and cabinet blocking illustrated shall not be used for service lines support, (i.e., air, water, conduit, electrical cabling, etc.).

46 PANORAMIC BLOCKING

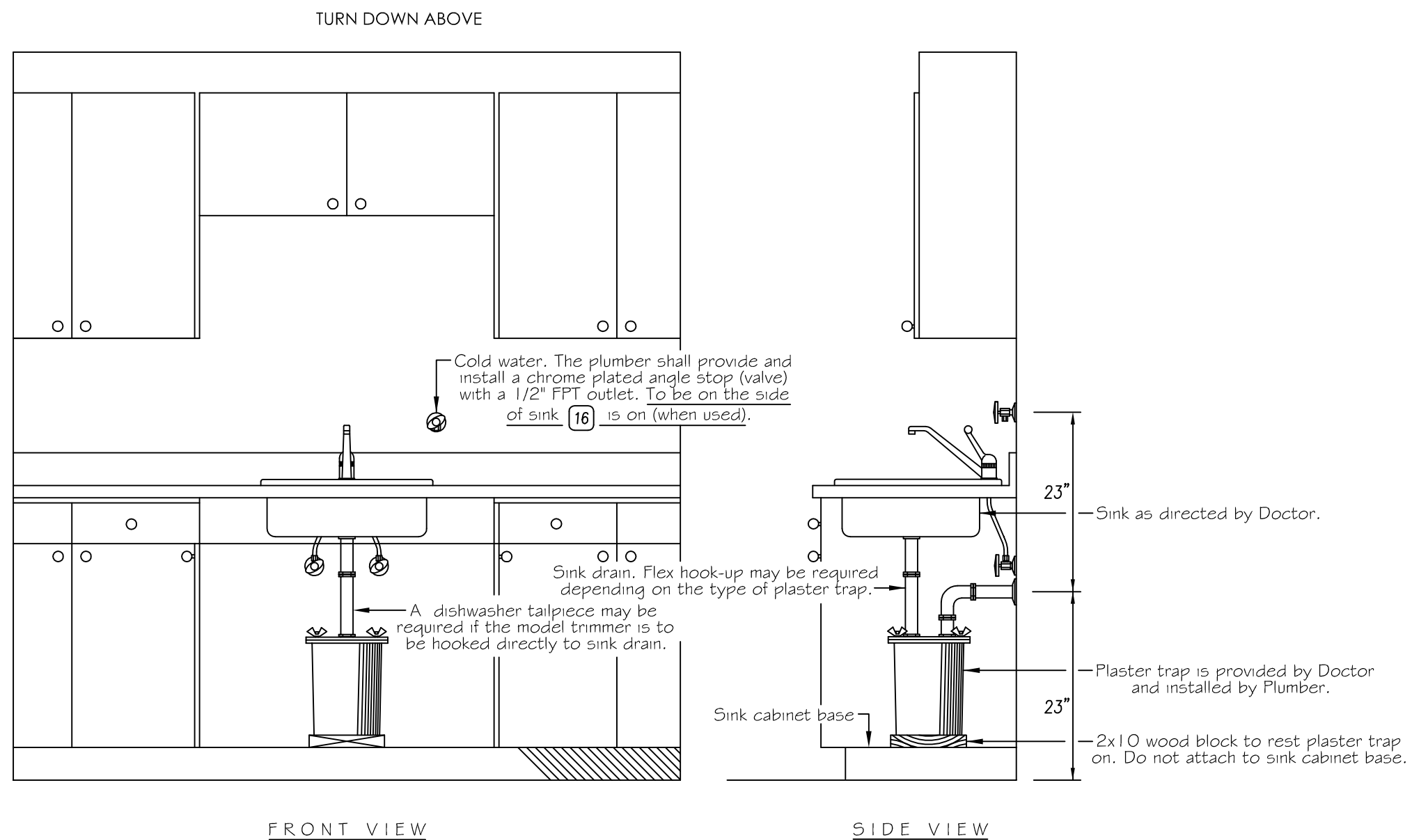
49 WALL MOUNTED EQUIPMENT BLOCKING

51 BLOCKING for WALL MOUNTED DENTAL UNITS

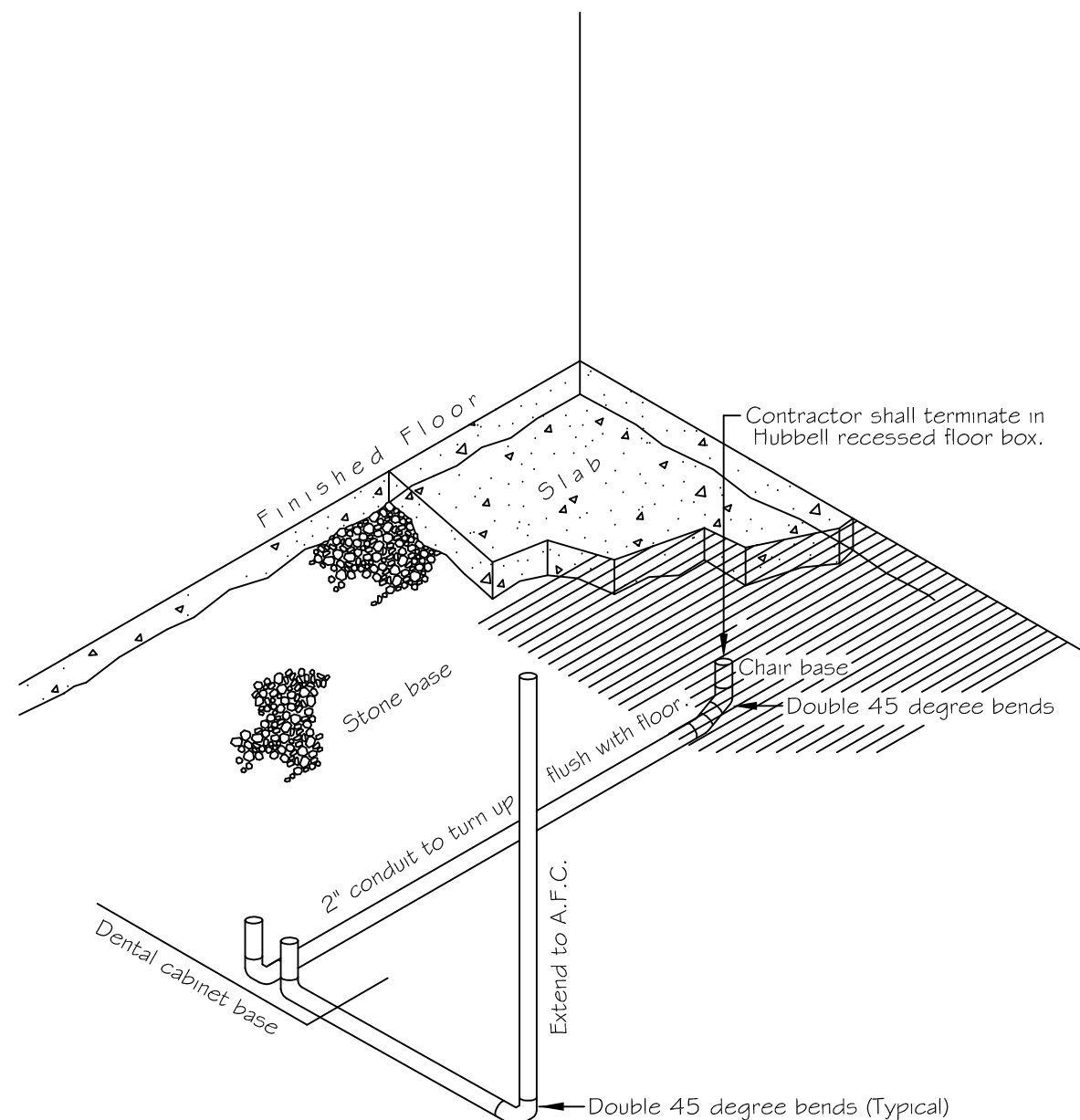


25 AIRSTAR 70 COMPRESSOR
NOT TO SCALE

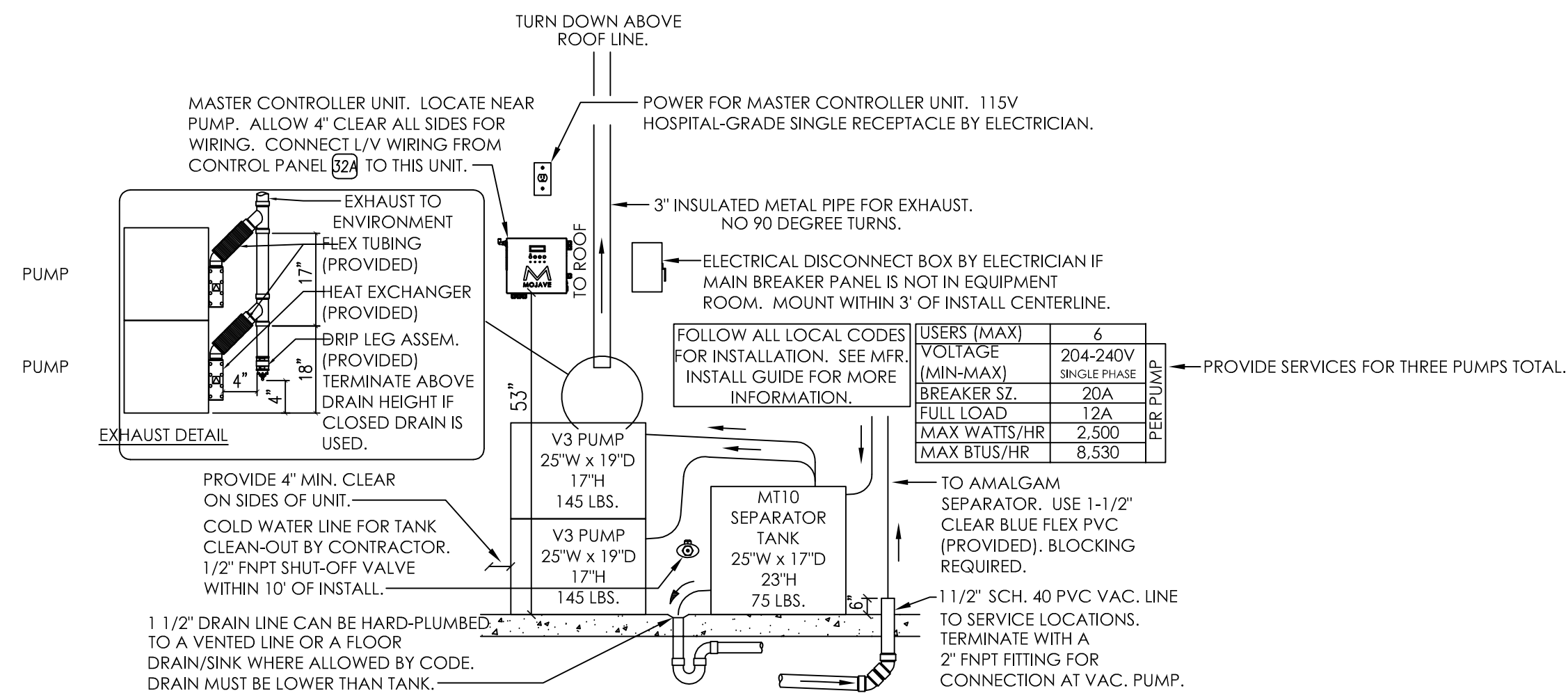
13 AIR VALVE
NOT TO SCALE PROVIDED AND INSTALLED BY CONTRACTOR



17 PLASTER TRAP DETAIL
NOT TO SCALE



31 2" COMPUTER CONDUIT DETAIL
NOT TO SCALE - CONDUIT BELOW SLAB FLOOR ILLUSTRATED, SERVICES BELOW FRAME FLOOR ARE SIMILAR.



27 AIR TECHNIQUES MOJAVE 2V3 VACUUM
NOT TO SCALE

PROJECT: DR. WILLIAM H. LEWIS

LOCATION: Madison, North Carolina

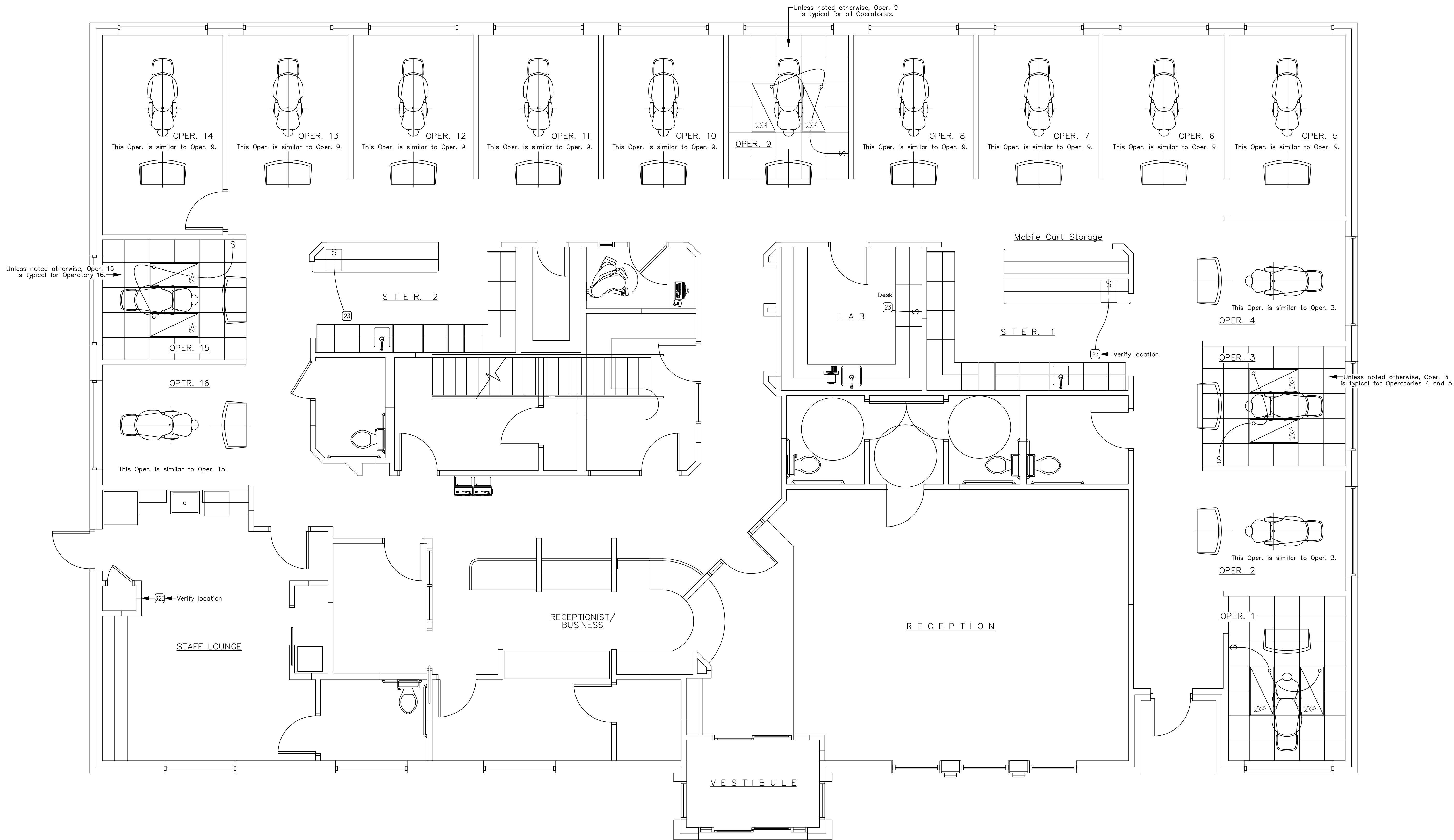
HENRY SCHEIN REF: Ken Branson
CENTER: Raleigh, NC
PHONE #: 919-832-8962

-IMPORTANT NOTE-
THIS DOCUMENT HAS BEEN PREPARED AS AN INSTRUMENT OF PROFESSIONAL SERVICE, AND IS NOT AN ARCHITECTURAL PLAN. THE IDEAS/DESIGNS INCLUDED HEREIN ARE THE SOLE PROPERTY OF HENRY SCHEIN, AND ARE PROTECTED UNDER COPYRIGHT. THEY MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT OF HENRY SCHEIN AND FULL PAYMENT OF ANY ASSOCIATED DESIGN FEES.
ALL DIMENSIONS ARE SUBJECT TO JOB-SITE VERIFICATION.

DRAWING NAME:
PROJECT START DATE: 6/29/15
DETAIL START DATE:
DRAWN BY: Albert A. Nunery
Albert A. Nunery

REVISIONS:
INT. SQ. FT. =

SCALE: 1/4" = 1'-0" SHT. SIZE:

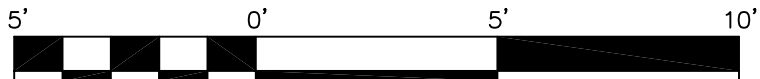


DENTAL LIGHTING - CEILING GRID LAYOUT

SCALE: 1/4" = 1'-0"

NOTES :

1. Provide 5/8" Fire Code rated sheetrock around all rooms wired for X-ray machines.
2. For general service requirements, refer to plans completed by Others.
3. The contractor shall provide blocking for ALL cabinetry as illustrated, dental and otherwise. This blocking shall not be used for service lines support, (i.e., air, water, conduits, electrical cabling, etc.).
4. Unless noted otherwise, services and locations for stereo speakers, volume controls and receiver shall be as directed by Others.
5. The contractor shall provide isolated circuits for the equipment and services for all patient treatment, exam and X-ray areas.
6. The contractor shall provide a disconnect (switch), for the X-ray machine(s) if required. To be as directed at site.
7. The contractor shall provide a master water main solenoid and switch near the utilities remote switches. To be as directed at site.
8. Use only the symbols on the accompanying specifications and details that are called for on these drawings.
9. The contractor shall include the final hook-up, (as directed at site), of all dental equipment in the job.



GRAPHIC SCALE

HENRY SCHEIN[®]
DENTAL

PROJECT:
DR. WILLIAM H. LEWIS

LOCATION:
Madison, North Carolina

HENRY SCHEIN REP:
Ken Branson
CENTER:
Raleigh, NC
PHONE #:
919-832-8962

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ALL DIMENSIONS ARE SUBJECT TO JOB-SITE VERIFICATION.

DRAWING NAME:

PROJECT START DATE:

6/29/15

DETAIL START DATE:

DRAWN BY:

Albert A. Nunnery
Albert A. Nunnery

REVISIONS:

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SCALE: 1/4" = 1'-0"

SHT. SIZE:
4
of 5

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’s diagrams MAY NOT be submitted as finished architectural drawings for purposes of obtaining a building permit.
IF YOU CHOOSE TO USE HENRY SCHEIN’S DIAGRAMS FOR THE PLACEMENT OF YOUR EQUIPMENT, YOU SHOULD RETAIN A REGISTERED ARCHITECT TO CONVERT THE DIAGRAM INTO PROPER AND COMPLETE ARCHITECTURAL PLANS. Sullivan will work with the architect you select to develop complete architectural plans.

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

(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. HENRY SCHEIN DENTAL (HENRY SCHEIN)

(a) Definition
Henry Schein Dental is referred to as the equipment supplier engaged by the Owner under a separate contract.

(b) Construction
Henry Schein will issue detail (shop) drawings showing critical locations of all dental and allied equipment. Sullivan–Scheins representative will be available for periodic field visits. Visits will be limited to a pre–construction 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. Henry Schein WILL NOT assume any responsibilities for deviations from detail drawings and specifications without prior written endorsement.

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

(c) Equipment Installation
A preconstruction meeting is required with the general contractor, plumber, electrician, cabinet maker and Henry Scheins’ representative. All templates critical to installation will be distributed at this meeting.

Henry Scheins’ 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.

Henry Schein will require that all applicable trades be represented at the time of equipment installation.

The contractor shall include the final hook–up (as directed at site), to all dental equipment. The installation date to be coordinated with Henry Schein.

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 in effect, a completed first class job, and to furnish all labor and materials required therefor, 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 ease 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 and 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 identify 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 Henry Schein 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 touchup 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 the 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 the dental equipment).

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 the site under these or similar Conditions of Contract. If the Contractor claims that delay or additional cost is involved because such action by the Owner, he shall make such 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-TIMED WORK SHALL BE BORNE BY THE PARTY RESPONSIBLE THEREFORE.

GENERAL NOTES

- All plumbing and electrical lines to be concealed unless otherwise specified.
- 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.
- The Contractor shall remove rubbish and do all patching after roughing in is completed.
- Rough–in and finish work for dental equipment is to be according to templates furnished by the manufactures of equipment being installed. A representative of Sullivan–Schein 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 corrected before the equipment can be installed and such extra expense will be the responsibility of the contractor and/or subcontractor.
- The doctor shall designate responsibility for providing and installing cabinets and laminate counter tops (other than those specified and/or contracted by Henry Schein Dental).
- The doctor shall make arrangements for installation of non–dental systems (separate contract) before walls are closed–in.
- The circuit breaker box shall be located in the suite and conveniently accessible. Location to be approved by doctor.
- The Henry Schein Dental representative shall give instruction to the General Contractor only. All communications and coordination with tradesmen shall be the responsibility of the general contractor unless predetermined to be otherwise.
- 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 Henry Schein Dental.
- Henry Schein will assemble and connect to mechanical services (as local building code permits) such as electrical, cold water, waste, gas, air and vacuum whichever are required for the operation of this item, provided such mechanical services are supplied completely by other trades and are brought to positions specified by Henry Schein Dental and are supplied with proper connections, fittings and/or junctions. Henry 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 the trades who provide the service.
- All equipment requirements to be as directed by the manufactures specifications provided by Henry Scheins’ equipment specialist. Manufactures specifications supersede any and all information contained herein.
- In North Carolina, provide 5/8” (Minimum), Fire Code rated sheetrock around all rooms wired for X–ray machines.
- When applicable, refer to plans completed by Others for additional information.
- The panel box requirements shall be as directed by Others.
- Provide soundproofing for all interior partitions (or as directed by the Doctor), with soundboard around the Utility Room.
- Terminate services for the dental equipment as directed by templates provided by the Doctor.
- Unless noted otherwise, all dimensions illustrated in the attached plans are to the center.
- The equipment blocking illustrated in these plans shall not be used for service lines support, (i.e., air, water, conduit, electrical cabling, etc.).

TO THE CONTRACTOR:
Although most dental utility and specification requirements are outlined in the Henry 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 setup an appointment to meet on the job. ADVANCED NOTICE IS REQUESTED.

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 Henry Schein Details’ representative is on the job, he/she will also check the dental utilities already placed, for possible error. CORRECTIONS SHALL BE MADE AS THE JOB PROGRESSES.

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

DENTAL EQUIPMENT SPECIFICATIONS

NOTES:
USE ONLY THE SYMBOLS BELOW WHICH ARE CALLED OUT FOR IN THE ACCOMPANYING PLANS.
ALL EXACT EQUIPMENT LOCATIONS WILL BE SPOTTED ON THE JOB BY HENRY SCHEIN’S REPRESENTATIVE.
THIS SPECIFICATION SHEET IS INTENDED AS A GUIDE FOR TRADESMEN. THE FLOOR PLANS ENCLOSED ARE SUGGESTIONS FOR THE PLACEMENT OF DENTAL EQUIPMENT. THEY ARE NOT INTENDED FOR CONSTRUCTION.
ALL REQUIREMENTS TO BE VERIFIED BY MANUFACTURER’S SPECIFICATION SHEETS, PROVIDED BY HENRY SCHEIN’S EQUIPMENT SPECIALIST. MANUFACTURER’S SPECIFICATIONS SUPERSEDE ANY AND ALL INFORMATION CONTAINED HEREIN.

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		COLD WATER (Valves)	HOT WATER (Valves)	DRAIN	AIR (Valves)	NATURAL GAS	VACUUM	N 2 / O 2	OXYGEN-O2	VENT	ELECTRICAL	VOLTAGE, AMPERAGE and GENERAL NOTES	DEDICATED CIRCUIT	LOW VOLTAGE	REMOTE SWITCH	SPEC #
	1	DENTAL UNIT – Refer to Mfg. spec's. Back flow prevention required as per local code. Required services provided by the Contractor.														1
	2	UTILITY CENTER DR'S. SIDE – Refer to Mfg. spec's. Back flow prevention required as per local code. Required services provided by the Contractor.										115V/20A dedicated service, Quad recept. (provide plug and pinail), and/or direct wiring, as permitted by Code.				2
→	2A	UTILITY CENTER DR'S. SIDE WITH SELF CONTAINED WATER SYSTEM – Refer to Mfg. spec's. Required services provided by the Contractor. No cold water.														2A
	3	UTILITY CENTER ASSIST. SIDE – Refer to Mfg. spec's. Back flow prevention required as per local code. Required services provided by the Contractor.														3
→	3A	UTILITY CENTER ASSIST. SIDE WITH SELF CONTAINED WATER SYSTEM – Refer to Mfg. spec's. Required services provided by the Contractor. No cold water.														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 shall provide and install.														4
	5	FLUSH DUPLEX DENTAL CHAIR RECEPTACLE – Provided and installed by Electrician. Located by Henry Scheins' Equipment Specialist.										115V/15A				5
	6	DENTAL TRACK LIGHT – Refer to Mfg. spec's. Requires blocking in ceiling provided and installed by the Contractor. Refer to illustration.										115V/15A				6
	6A	DENTAL LIGHT (FIXED) – Refer to Mfg. spec's. Requires blocking in ceiling provided and installed by the Contractor. Refer to illustration.										115V/15A				6A
	6B	DENTAL LIGHT (CHAIR MOUNTED) – Refer to Mfg. spec's. Electrician shall provide and install a 115V/15A receptacle.										115V/15A				6B
	6C	DENTAL LIGHT (WALL MOUNTED) – Refer to Mfg. Mfg. spec's. Requires blocking provided and installed by the Contractor.										115V/15A				6C
	7	NITROUS OXIDE AND OXYGEN STATION – Refer to Mfg. spec's. Supplied by the Doctor and installed by Plumber. Silver soldered to Type "K" or "L" (1/2" OD 02 and 3/8" OD N2O), copper lines coming from the manifold system. Refer to #2B and the N2O/O2 Detail Sheet. Location spotted by the Equipment Specialist.														7
	7A	OXYGEN OUTLET – Refer to Mfg. spec's. Provided by Doctor and installed by the Plumber. Silver soldered to type "K" or "L" (1/2" OD) copper lines coming from the manifold system. Refer to Detail Sheet. Located by Henry Scheins' Equipment Specialist.														7A
	7B	NITROGEN OUTLET – Refer to Mfg. spec's. Provided by the Doctor and installed by the Plumber. Silver soldered to type "K" or "L" copper lines coming from the manifold system. See detail. Located by Henry Scheins' Equipment Specialist.														7B
	8	RECESSED X-RAY VIEW BOX – Refer to Mfg. spec's. Provided by the Doctor and installed by the Contractor. Framing required.										115V/15A				8
	9	X-RAY MACHINE – Provided by Doctor and installed by Electrician. Refer to Mfg. spec's. May require a X-ray cable and conduit to be extended to 9C.										115V/20A, 46"A.F.F.				9
	9A	X-RAY CONTROL – 52" A.F.F. Refer to Mfg. spec's. Electrician shall provide/install a 3/4" conduit w/ #12/8 stranded wires to 9B unless noted otherwise.										115V/20A				9A
	9B	X-RAY HEAD – 46" A.F.F. Refer to Mfg. spec's. Electrician shall provide/install a 3/4"conduit with #12/8 stranded wires to 9A.														9B
	9C	X-RAY REMOTE CONTROL EXPOSURE STATION – Refer to Mfg. spec's. Electrician shall provide/install 3/4" conduit and pullwire to X-ray machine, 9.														9C
	9D	X-RAY MOMENTARY CONTROL BUTTON – Provided and installed by Electrician. Extend #18/3 L/V wires from momentary button to X-ray control.														9D
	9E	X-RAY REMOTE TIME STATION – Provided by the Doctor. Refer to Mfg. spec's. Connect wires to master control via conduit with pull-wire.														9E
→	9F	REMOTE EXPOSURE JUNCTION BOXES – Electrician shall provide/install single JB's with blank covers and 3/4" conduit with #18/4 L/V wires between JB's.										Control 52"A.F.F./Machine 10"				9F
	10	SIGNAL LIGHT COMMUNICATION SYSTEM – Refer to Mfg. spec's. Supplied by the Doctor and interconnecting cables installed by the Electrician. As located by the Doctor and verified by Henry Scheins' Equipment Specialist.														10
	10A	POWER OUTLET – For signal system. Location to be determined by Doctor and verified by Henry Scheins' Equipment Specialist.										115V/20A Sep. Circuit Recept.				10A
	11	MODULAR SINK & FAUCET – Provided by the Doctor and installed by the Plumber. Requires air for foot activated control. (Verify).										Verify air requirements.				11
	11A	OPERATORY SINK & FAUCET – As directed by the Doctor. Provided and installed by the Plumber.														11A
→	11B	SINK & FAUCET with sprayer – As directed by the Doctor. Provided and installed by the Plumber.														11B
	11C	STERILE SINK & FAUCET with sprayer. – As provided by the Doctor. Installed by the Plumber.														11C
	11D	DARK ROOM SINK & FAUCET with Sprayer – As directed by the Doctor. Provided and installed by the Plumber. Verify adequate size for processor racks.														11D
	11E	EYE WASH STATION – Provided installed by the Plumber, as located by the Doctor.														11E
	12	FOOT PEDAL SINK CONTROL – 3/4" pipe chase from #12 to sink as noted, by the Plumber. Provided and installed by Plumber.														12
→	12A	FOOT PEDAL SINK CONTROL – 3/4" pipe chase from #12 to sink as noted, by the Plumber. Provided by Sullivan and installed by the Plumber.														12A
	13	AIR VALVE – Provided and installed by the Plumber. Terminate with 3/8" F.P.T. coupling unless directed otherwise.														13
	13A	GAS VALVE – Provided and installed by the Plumber. Terminate with 3/8" F.P.T. coupling unless directed otherwise.														13A
	14	STERILIZER (STATIM) – Refer to Mfg. spec's. Separate circuit receptacle provided and installed by Electrician.										115V/20A receptacle				14
	14A	STERILIZER (AUTO-CLAVE) – Refer to Mfg. spec's. Separate circuit receptacle provided and installed by Electrician.										115V/20A receptacle				14A
	14B	STERILIZER (MAGNA-CLAVE) – Refer to Mfg. spec's. Single phase.										230V/20A				14B
→	15	RECESSED ULTRASONIC CLEANER – 115V/20A receptacle 24" A.F.F. and switch at 46" A.F.F. Contractor shall cut opening in countertop. Connect to sink drain.										115V/20A recept./switch				15
	16	MODEL TRIMMER – Refer to Mfg. spec's. Plumber to provide/install chrome angle stop with 1/2" copper FPT outlet. Connect to sink drain as directed.										115V/15A				16
	17	PLASTER TRAP – Refer to Mfg. spec's. Provided by the Doctor and installed by the Plumber in sink waste line.														17
	18	DEVELOPING TANK – Refer to Mfg. Spec's. Provided by the Doctor installed by the Plumber.														18
	19	MIXING VALVE – Refer to Mfg. spec's. Provided by the Doctor and installed by the Plumber. Back flow prevention required as directed by local code.														19
	20	FILM PROCESSOR – Refer to Mfg. Spec's. Requires boiler valve/vacuum breaker at 54" A.F.F. and funnel drain at 12" A.F.F. Verify back flow prevention and chemical collections as directed by local requirements.										115V/15A Sep.Cir., Recept., 58"A.F.F.				20
	21	SAFELIGHT RECEPTACLE – Receptacles 84" A.F.F., wired to SPDT switch (on in down position), and red neon jewel. Supplied and installed by Electrician.										115V/15A				21
	21A	RED NEON JEWEL – 58" A.F.F. Provided by the Electrician. Wired to SPDT switch (on in down position), and safelight receptacle.														21A
	21B	WEATHER STRIPPING & THRESHOLD – Contractor shall provide and installed around the Darkroom door for a lightproof seal.														21B
→	22	PLUGMOLD ELECTRICAL STRIP – Provided and installed by the Electrician. Receptacles to be 12" O.C. (Alternate circuit).										115V/15A				22
	23	EXHAUST FAN – Supplied and installed by Electrician. May require a switch depending on application.										115V/15A				23
	24	AIR COMPRESSOR – Refer to Mfg. spec's. 1/2" I.D. copper tubing. Electrician to provide back-booster if required. Plumber to extend air intake to a clean air source.										8 Gauge (Verify). Refer to Mfg. Spec's.				24
→	25	AIR COMPRESSOR w/ DRYER – Refer to Mfg. spec's. 1/2" I.D. copper tubing. Electrician to provide back-booster if required. Plumber to extend the air intake to a clean air source.														25
	26	VACUUM SYSTEM (WET) – Refer to Mfg. spec's. 1.5" main trunk lines (Schedule 40 PVC where permitted by code). Henry Schein to supply cyclone separator if required. Outside exhaust vent. (verify metal) required. Back flow prevention required as per local code. Electrician to provide back-booster if required.										Use double 45 degree bends for the trunk and exhaust lines.				26
→	27	VACUUM SYSTEM (DRY) – Refer to Mfg. spec's. 1.5" main trunk lines (PVC or ABS tubing as permitted by code) with long turn fittings. 3" high temp. exhaust for each motor required. Exhaust to environment. Provide hose bibb near pump. The Doctor to provide back-booster if required.										3/8" compression stop				27
	28	VACUUM OUTLET – 1/2" copper. Height and location noted on plan and verified by Henry Scheins' Equipment Specialist.														28
	29	AIR/WATER SEPARATOR – Provided by the Doctor and installed by the Plumber. Outside exhaust and drain required.														29
	30	ULTRAVIOLET WATER FILTER – Provided by the Doctor, installed by the Plumber on the cold water line with a valve (by Plumber), on both sides of the filter. The Plumber shall provide a by-pass with an in-line valve on the outer side of the filters valves. Requires blocking. Refer to Mfg. spec's.										Switched 24V L/V and 115V				30
→	30A	WATER SOLENOID w/ FILTER – Provided by the Doctor and installed by the Plumber on the cold water line with a valve on both sides of the solenoid.														30A
	31	COMPUTER CONDUIT – The Contractor shall provide and install a 2" conduit with pullwire below the floor and/or above finished ceiling to and from locations indicated on plan. Use double 45 degree turns. Refer to Computer Conduit Detail.														31
	32	REMOTE CONTROL PANEL – For Compressor, Vacuum pump(s) and Water solenoid. Electrician shall provide and install contactors and lighted switches.														32
	32A	REMOTE CONTROL PANEL – For Compressor, Vacuum pump(s) and Water solenoid. Provided by the Doctor and installed by the Electrician.														32A
→	32B	REMOTE CONTROL PANEL – For Compressor and Vacuum pump(s). Provided by the Doctor and installed by the Electrician.														32B
	33	NITROUS OXIDE & OXYGEN MANIFOLD SYSTEM – Refer to Mfg. spec's. Provided by the Doctor and installed by the Plumber. Requires type "K" or "L" (1/2" OD 02 and 3/8" OD N2O), copper lines silver soldered to trunk lines extending to each Operatory. Pressure tested at 150 PSI for 24 hours by the Plumber with dry Nitrogen. Strict accordance with NFPA 99 is recommended. The Cylinder Room shall be a 1 hour (minium) fire rated enclosure. Refer to N2O/O2 Detail Sheet.										115V/15A				33
	34	NITROUS OXIDE & OXYGEN ALARM SYSTEM – Refer to Mfg. spec's. Provided by the Doctor and installed by the Electrician. Located by Henry Scheins' Equipment Specialist and confirmed by Doctor. Refer to Detail Sheet.										115V/15A				34
34A	NITROUS OXIDE & OXYGEN ZONE CUT-OFF VALVES – Refer to Mfg. spec's. Provided by the Doctor and installed by the Plumber. Requires type "K" or "L" copper lines silver soldered to trunk lines. Pressure tested at 150 PSI for 24 hours by the Plumber with dry Nitrogen. Strict accordance with NFPA 99 is recommended. Refer to Detail Sheet.											L/V cables may be req'd.				34A
→	35	PANORAMIC RECEPTACLE – To be provided and installed by the Electrician. 10" A.F.F. or as indicated on plan.										115V/20A receptacle				35
	36	MULTI-OP CAMERA WALL PLATE CONNECTIONS – To be located in the Treatment Room by Henry Scheins' Equipment Specialist. Requires a 115V duplex receptacle and a 1" conduit/pull-wire to 37 and 38, (or as directed on plan). Provide 3/4" blocking as directed at site. Refer to Mfg. spec's.										115V/15A				36
	37	MULTI-OP A/V MONITOR CONNECTIONS – To be located near the ceiling or wall mounted monitor. Requires a 115V duplex receptacle and a two gang J.B. 84"A.F.F. for 3/4" conduits/pull-wires to 36 and 38. For Vistacomp IR only, provide a single-gang J.B. (To be field located), at 86" +/- A.F.F., below 38. A 3/4" conduit is to be extended from this J.B. to the two gang J.B. above. Provide "2 by" blocking as directed at site. Refer to spec's.										115V/15A				37
	38	CENTRAL PRINT STATION – To be located by the Doctor and Henry Scheins' Equipment Specialist. Requires two 115V quad, separate circuit receptacles and J.B.s for conduits/pull-wires from 36 and 37. Refer to Mfg. spec's.										115V/15A				38
	39	CEILING BLOCKING FOR MONITOR MOUNT – "2 by" blocking to be as directed at site by Henry Scheins' Equipment Specialist.														39
→	39A	WALL BLOCKING FOR MONITOR MOUNT – "2 by" blocking to be as directed at site by Henry Scheins' Equipment Specialist.														39A
NOTE: For Detail Numbers higher than 39A, refer to Blocking Details.																
Primary person to contact for this plan set is:																
Telephone																