



PLUMBING SPECIFICATIONS

ALL PLUMBING SHALL RUN ALL PIPING IN ACCORDANCE WITH LOCAL REGULATIONS. ALL PLUMBING LINES TO BE CONCEALED UNLESS OTHERWISE SPECIFIED. DURING THE DENTAL EQUIPMENT INSTALLATION THE PLUMBER MUST BE ON THE JOB TO CONNECT ALL PLUMBING LINES TO THE DENTAL UNITS. MODULAR CABINET SINKS AND FAUCETS AIR COMPRESSOR AND OTHER VACUUM SYSTEM FILTER COMPRESSOR GAS AND AIR VALVES AND INTRINSIC EXHAUST OR EXHAUST MANUFACTURER'S SPECIFICATION. INSTALLATION FOR ALL DENTAL EQUIPMENT WILL BE PROVIDED BY THE PATTERSON DENTAL REPRESENTATIVE. THE REPRESENTATIVE WILL ALSO VERIFY THE LOCATION OF HOSE TEMPLATES.

ALL VACUUM AND COMPRESSOR UNITS MUST BE INSTALLED AND OPERATED IN A THERMOSTATICALLY OR OTHERWISE STABLE AMBIENT TEMPERATURE ENVIRONMENT. FORCED AIR AND HVAC MUST NOT BE USED IN ADDITION TO AN EXHAUST FAN IF NORMAL AMBIENT TEMPERATURES VARY FROM SPECIFIED OPERATING TEMPERATURE RANGE. COMMON BUILDING THERMOSTAT OPERATION CAN HAVE A DETERMINANT EFFECT ON EQUIPMENT ROOM AMBIENT TEMPERATURES, DEPENDING ON SEASONAL CHANGES.

DENTAL UNIT - INSTALL 1/2" FILTERED COLD WATER, 1/2" AIR, AND 3/8" OD VACUUM PIPES WHERE SPECIFIED ABOVE FINISH FLOOR OR OUT OF WALL. SEE MANUFACTURER'S SPECIFICATION TEMPLATE FOR POSITIONING. THESE DIMENSIONS ARE CRITICAL AND MUST COMPLY WITH MANUFACTURER'S TEMPLATES AND MUST ADAPTERS AND VALVES WHERE INDICATED. MUST BE RIGIDLY CONFORMED TO. INSTALL ACCESSIBLE WATER AND AIR VALVES FOR EACH UNIT. PROVIDE WATER PRESSURE REGULATOR, IF THE PRESSURE EXCEEDS 150 PSI.

FILTERED COLD WATER - 1/2" COPPER TUBING RUN FROM WATER FILTER (SBD) TO USE POINT. WATER FILTER SYSTEM - THE PLUMBER IS TO INSTALL A WATER FILTER (WITH REPLACEABLE CARTRIDGE) WITH A SHUTOFF AND BY-PASS VALVE ASSEMBLY PROVIDED BY THE PATTERSON DENTAL CO. TO THE COLD WATER SUPPLY FOR THE ENTIRE DENTAL PLUMBING IN THE SUITE.

AIR COMPRESSOR - STARTING FROM AIR COMPRESSOR LOCATION, RUN 1/2" COPPER AIR LINES AND TIE OFF TO DENTAL UNITS AND ALL OTHER AREAS THAT REQUIRE AIR. BECAUSE THE SIZE OF LINE TO CONFORM TO MANUFACTURER'S SPECIFICATIONS. COMPRESSOR SUPPLIED BY DOCTOR AND CONNECTED BY THE PLUMBER.

AIR OUTLET - REDUCE TO 3/8" COMPRESSION ANGLE STOP FLUSH WITH WALL. COMPLY WITH MANUFACTURER'S VALVE ADAPTATION TO LINES. INSTALL AS NOTED ON PLAN.

MODULAR CABINET SINK AND SINGLE LEVER FAUCET - INSTALL WASTE HOT AND COLD WATER LINES 3" ABOVE FLOOR SUPPLIED AND INSTALLED BY PLUMBER UNLESS NOTED (SBD). CONNECTION OF SINK AND FAUCET TO PLUMBING LINES MUST BE DONE BY PLUMBER.

PLASTER TRAP - INSTALL FOR LAB SINK AND MODEL TRIMMER. SUPPLIED BY DOCTOR AND INSTALLED BY PLUMBER. BRACE TRAP TO SUPPORT WEIGHT OF FILL TRAP AND TO SIMPLY THE REMOVAL OF CANISTER FOR CLEANING (SEE DETAIL).

MODEL TRIMMER - INSTALL COLD WATER LINE WITH A 3/8" CHROME ANGLE STOP ABOVE THE COUNTERTOP. MODEL TRIMMER HAS A 1" MALE NIPPLE FOR FLEXIBLE WASTE PIPE CONNECTION. PLUMBER TO RUN WASTE LINE FROM TRIMMER TO SINK. AIR PIPER PLASTER TRAP WITH THE INTO SINK STRAINER TAILPIPE CONNECTION. PROVIDED BY DOCTOR AND INSTALLED BY PLUMBER. (SEE DETAIL)

VACUUM OUTLET - INCORPORATED INTO DENTAL UNIT PLUMBING AS DESIGNATED ON PLAN.

VACUUM UNIT - LIST SYSTEM - #1 VACUUM LINE RUN 1/2" MAIN LINE IN SCHEDULE 40 PVC PIPING REDUCED AS SHOWN IN DETAIL. #4 OF DETAIL SHEET. TERMINATE VACUUM LINES WITH 3/4" FET FITTING IN TREATMENT ROOMS AS INDICATED ON PLAN. AT POWER UNIT REDUCE END OF 1/2" MAIN TRUNK LINE TO 1" FET FITTING. PLUMBER TO INSTALL 45 TO 90 DEGREE ANGLES WHERE POSSIBLE. SEE MANUFACTURER'S SPECIFICATIONS.

#1 DRAIN - CONNECT TO A MINIMUM 2" VENTED WASTE LINE. IF LOCAL CODE DOES NOT PERMIT CONNECT TO FLOOR SINK OR STAND PIPE DRAIN MUST BE LOCATED WITHIN 3' OF VACUUM POWER UNIT. SEE MANUFACTURER'S SPECIFICATIONS.

#3 WATER - PROVIDE A VALVE 1/2" FET COLD WATER LINE WITHIN 3' OF VACUUM UNIT.

#4 EXTERNAL VENT - FOR EXHAUST AIR. UNLESS REQUIRED BY MANUFACTURER'S SPEC. INSTALL AIR WASTE SEPARATOR OR WATER REGULATOR WITH CONNECTION TO EXTERNAL VENT. SEE MANUFACTURER'S SPECIFICATIONS FOR SEPARATOR INSTALLATION.

SBD - SUPPLIED BY DOCTOR HOWEVER THESE ITEMS DO APPEAR CONTRACTOR SHALL PROVIDE LABOR AND MATERIAL TO INSURE PROPER INSTALLATION.

NOTE #1 - SEE A REPRESENTATIVE OF PATTERSON DENTAL COMPANY FOR EXACT ARRANGEMENT AND LOCATION OF DENTAL UNIT REQUIREMENTS.



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