

GENERAL NOTES:

1. THESE PLANS ARE NOT DEVELOPED BY A REGISTERED ARCHITECT AND SHOULD NOT BE CONSIDERED AS ARCHITECTURAL DOCUMENTS.
 2. THESE PLANS ARE FOR INFORMATION USE ONLY, FOR PLACEMENT OF DENTAL EQUIPMENT AND GENERAL OFFICE LAYOUT.
 3. ALL DIMENSIONS AND FIELD CONDITIONS WILL BE VERIFIED BY THE GENERAL CONTRACTOR. THE ACCURACY OF THE FIELD MEASUREMENTS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 4. THE GENERAL CONTRACTOR AND SUBCONTRACTORS WILL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, ORDINANCES AND REGULATIONS PERTAINING TO CONSTRUCTION OF THIS DENTAL OFFICE.
 5. DIMENSIONS TO DENTAL EQUIPMENT MUST COMPLY WITH MANUFACTURER'S SPECIFICATIONS. GENERAL CONTRACTOR TO CONTACT A.D.S. IF THERE ARE ANY CONFLICTS. A.D.S. IS NOT RESPONSIBLE FOR UNAUTHORIZED VARIATIONS FROM THE PLANS AND/OR MANUFACTURER'S SPECIFICATIONS.
 6. THE GENERAL CONTRACTOR AND/OR CUSTOMER IS RESPONSIBLE FOR ARRANGING ALL MEETINGS AND INSPECTIONS. THIS INCLUDES THE INITIAL MEETING TO REVIEW THESE PLANS AND ALL SUBSEQUENT SITE MEETINGS
 7. THE GENERAL CONTRACTOR IS REPOSIBLE FOR CONTACTING A.D.S. FOR INSPECTIONS. INSPECTIONS ARE REQUIRED BEFORE CONCRETE SLAB IS PLACED, BEFORE WALLS & CEILINGS ARE SEALED, AND AT FINAL INSPECTION. CONTRACTOR TO CONTACT A.D.S. 10 DAYS PRIOR TO INSPECTION. A.D.S. WILL PROVIDE TEMPLATES AND VERIFY LOCATIONS OF MANUFACTURED CABINETS.
 8. THE DESIGN PROFESSIONAL OF RECORD, THE GENERAL CONTRACTOR AND/OR THE CUSTOMER WILL BE RESPONSIBLE FOR THE FOLLOWING:
 - DESIGN, INSTALLATION AND/OR UPGRADING OF THE...
 - A. SPRINKLER SYSTEM
 - B. ELECTRICAL SYSTEM
 - C. HOT WATER SYSTEM, TO INCLUDE THE WATER HEATER.
 - D. TELEPHONE SYSTEM (NOTE - TELEPHONE PANEL SHOWN IS AT A SUGGESTED LOCATION ONLY.)
 - E. HVAC SYSTEM.
 - F. SAFETY DEVICE SYSTEMS TO INCLUDE EMERGENCY LIGHTING, ALARMS, DETECTORS, HORNS, EXTINGUISHERS, DIRECTIONAL SIGNAGE, ILLUMINATED EXIT SIGNAGE AND ANY OTHER REQUIRED SAFETY DEVICES.
 - G. MUSIC AND COMMUNICATIONS SYSTEMS
 - TV/MONITOR LOCATIONS, INCLUDING ELECTRICAL & SUPPORT BACKING
 - ENGINEERING DOCUMENTS (IF REQUIRED)
 - ALL REQUIRED DETAILS AND SPECIFICATIONS FOR ANY CONSTRUCTION FRAMING NOT NOTED IN THESE PLANS
 - VERIFY CEILING TYPES IN ALL ROOMS, UNLESS NOTED
 - ACCESSIBILITY DETAILS REQUIRED BY THE PLAN REVIEW AUTHORITY NOT ALREADY PROVIDED IN THESE PLANS
 - PLACEMENT OF ANY ADDITIONAL CONVENIENCE OUTLETS
 - CABINET ELEVATIONS AND SHOP DRAWINGS (IF NOT INCLUDED WITHIN THESE PLANS) ARE TO BE PROVIDED BY THE DESIGN PROFESSIONAL OF RECORD AND/OR THE GENERAL CONTRACTOR
- ***PLEASE NOTE THAT THE RECOMMENDED DEPTH FOR CABINETRY LOCATED IN PATIENT TREATMENT ROOMS IS 18" DEEP. VERIFY CABINET DEPTH WITH CLIENT***



A DENTAL FACILITY FOR:

ANNA K. SCHULTZ, D.M.D.

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DATE	REVISIONS

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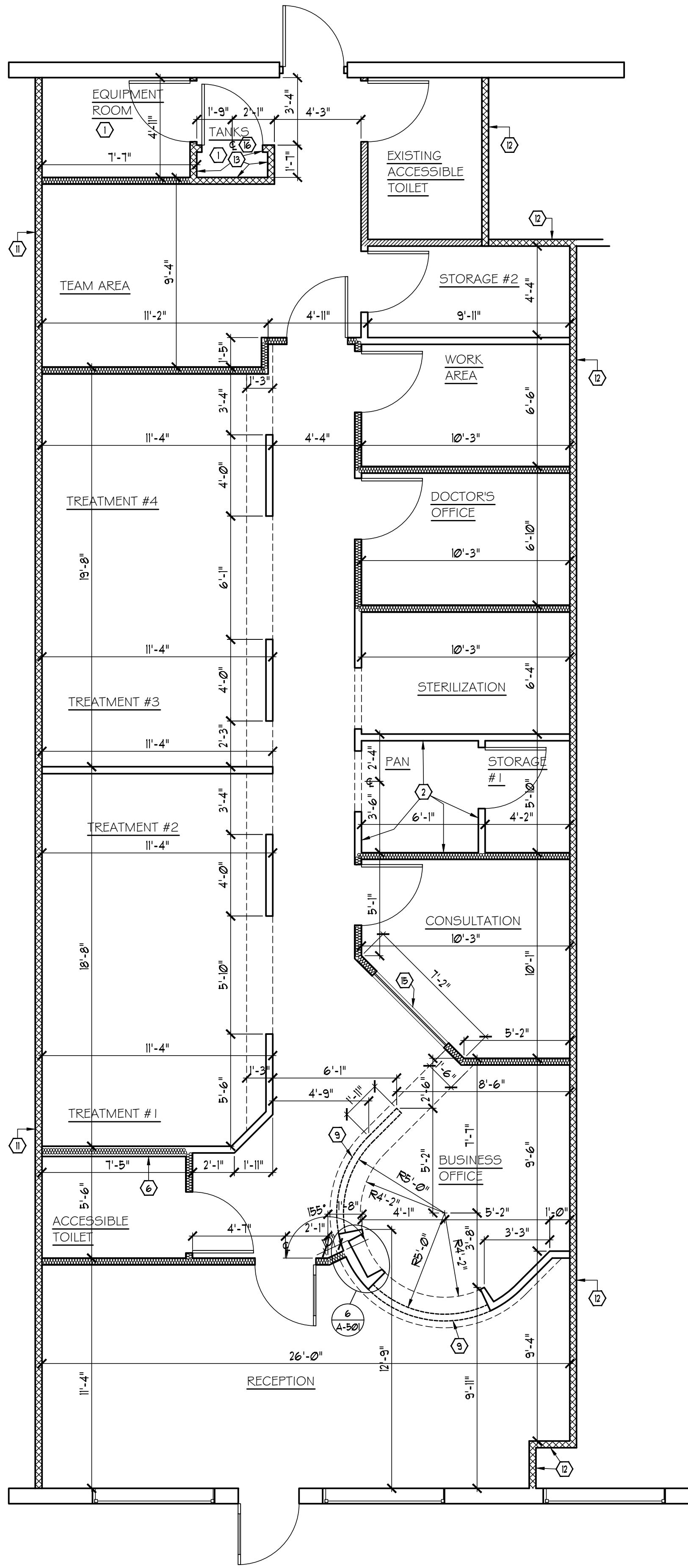
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FILE: C-101
DATE: 12-14-16
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SHEET
COVER SHEET
C-101



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

GENERAL NOTES:

CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE COORDINATION AND EXECUTION OF ALL WORK IN ACCORDANCE WITH THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FURNISHING ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THE JOB IN A FIRST CLASS MANNER.

CONTRACTOR SHALL CONTACT ATLANTA DESIGN ASSOCIATES (A.D.A.) BEFORE CONSTRUCTION BEGINS TO DISCUSS QUESTIONS REGARDING THE WORK TO BE PERFORMED, OR MATERIALS PROVIDED. CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS. ANY CHANGES IN PLANS OR SPECIFICATIONS SHALL BE REVIEWED AND APPROVED BY A.D.A.

DURING CONSTRUCTION, BRIAN STALLINGS WITH ATLANTA DENTAL SUPPLY (A.D.S.), OR HIS AUTHORIZED REPRESENTATIVE WILL PERIODICALLY CHECK THE JOB. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT A.D.S. FOR INSPECTIONS. INSPECTIONS ARE REQUIRED BEFORE CONCRETE SLAB IS PLACED, BEFORE WALLS AND CEILINGS ARE SEALED, AND AT FINAL INSPECTION. CONTRACTOR TO CALL 10 DAYS PRIOR TO INSPECTION.

CONTRACTOR SHALL COORDINATE EQUIPMENT INSTALLATION DATE WITH THE EQUIPMENT SUPPLIER. ALL DENTAL EQUIPMENT SHALL BE INSTALLED BY THE SUPPLIER AND CONNECTED BY THE CONTRACTOR.

CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATING, BACK FILLING CUTTING, PATCHING AND REPAIR NECESSARY FOR THE COMPLETION OF THE PROJECT.

APPLICABLE CONSTRUCTION INDUSTRY STANDARDS AND BUILDING CODES HAVE THE SAME FORCE AND EFFECT ON PERFORMANCE OF THE WORK AS IF COPIED DIRECTLY INTO THESE CONTRACT DOCUMENTS. GOVERNING REGULATIONS HAVE PRECEDENCE OVER NON-REFERENCED STANDARDS, IN CASES WHERE DIFFERENT STANDARDS MAY CONTAIN OVERLAPPING OR CONFLICTING REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH STATE & LOCAL BUILDING CODES AND INDUSTRY STANDARDS. CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE COMPLETION OF THE PROJECT.

CONTRACTOR TO PROVIDE MECHANICAL, ELECTRICAL & PLUMBING ENGINEERING DOCUMENTS AS REQUIRED BY LOCAL CODES. CONTRACTOR MAY CONTRACT FOR THESE SERVICES THROUGH ATLANTA DESIGN ASSOCIATES. ENGINEERING FEES & SERVICES TO BE INCLUDED IN COST OF CONSTRUCTION.

PARTITION PLAN SPECIFICATIONS:

CONTRACTOR TO VERIFY THAT ALL WALLS BEING REMOVED ARE NOT LOAD BEARING. NOTIFY A.D.A. IMMEDIATELY IF ANY WALLS ARE LOAD BEARING OR CONTAIN A STRUCTURAL ELEMENT.

CONTRACTOR SHALL PROVIDE ALL BEARING SUPPORT REQUIRED FOR NEW LAYOUT, AFTER DEMOLITION OF EXISTING WALLS. VERIFY ALL EXISTING CONDITIONS IN THE FIELD.

ALL DOORS TO BE INSTALLED 4" OFF WALL ON HINGE SIDE UNLESS OTHERWISE DIMENSIONED.

ALL DIAGONALS TO BE BUILT AT 45° UNLESS OTHERWISE NOTED.

ALSO SEE FLOOR PLAN & SPECIFICATIONS FOR OTHER FRAMING REQUIREMENTS.

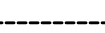
SOUND INSULATION:  INSTALL 3 1/2" SOUND ATTENUATION BATTS IN WALLS AS NOTED. ALL ROOMS WITH SOUND INSULATED WALLS AND LAY-IN CEILINGS SHALL HAVE SOUND INSULATION ABOVE CEILING. INSTALL SOUND ATTENUATION BATTS IN ALL NEW TENANT SEPARATION WALLS. ALL FIRE-RATED WALLS TO HAVE SOUND BATT INSULATION.

ALL FIRE-RATED WALLS TO EXTEND TO UNDERSIDE OF ROOF DECK. CONTRACTOR TO VERIFY AND MAINTAIN EXISTING RATED ASSEMBLY IN FIELD.

NOTES LEGEND:

- ① - PROVIDE SPRINKLER HEAD OFF DOMESTIC WATER LINE PER NFPA 101 SECTION 9.12. WATER LINE TO BE LOOPED TO PREVENT STAGNANT WATER FROM FOULING UP SPRINKLER HEADS.
- ② - PROVIDE 2 LAYERS OF 1/2" GYPSUM BOARD AT THESE WALLS.
- ③ - 6" STUD FRAMING AT THIS WALL.
- ④ - TOP OF KNEE WALL AT 3'-1 1/2" AFF.
- ⑤ - EXISTING ONE-HOUR FIRE-RATED TENANT SEPARATION WALL. CONTRACTOR TO VERIFY & MAINTAIN FIRE-RATING IN FIELD.
- ⑥ - NEW ONE-HOUR FIRE-RATED TENANT SEPARATION WALL. EXTEND TO UNDERSIDE OF ROOF DECK.
- ⑦ - NEW ONE-HOUR FIRE-RATED WALL. EXTEND TO UNDERSIDE OF ROOF DECK.
- ⑧ - 60" W X 40" H TEMPERED GLASS WINDOW WITH SILL AT 40" AFF. AND HEADER AT 80" AFF. WINDOW HEADER HEIGHT TO ALIGN WITH DOOR HEADER. VERIFY WINDOW SIZE W/ OWNER OR INTERIOR DESIGNER.
- ⑨ - TANK ROOM TO BE LABELED PER NFPA 99 SECTION 5.13.10. SEE NØ 4.02 SPECIFICATIONS ON PAGE A-3 FOR DETAILS. TANK ROOM VENTILATION SHALL CONSIST OF MECHANICAL VENTILATION TO EXTERIOR OF BUILDING AND SHALL BE PROVIDED PER NFPA 99 SECTION 5.33.3.6.6.

WALL LEGEND

-  - NEW INTERIOR WALLS TO BE CONSTRUCTED.
-  - NEW INTERIOR WALLS TO BE CONSTRUCTED WITH SOUND INSULATION. SEE SPECIFICATIONS ON THIS SHEET.
-  - EXISTING INTERIOR WALLS TO REMAIN.
-  - ONE-HOUR FIRE-RATED WALLS. SEE SPECIFICATIONS ON THIS SHEET.
-  - KNEE WALL FRAMED TO SUPPORT COUNTERTOP IN BUSINESS OFFICE.
-  - CASE DOWN FRAMING.

ALL EXTERIOR WALLS, WINDOWS, AND DOORS ARE EXISTING, UNLESS OTHERWISE NOTED. SEE OWNER FOR FURTHER DETAILS.

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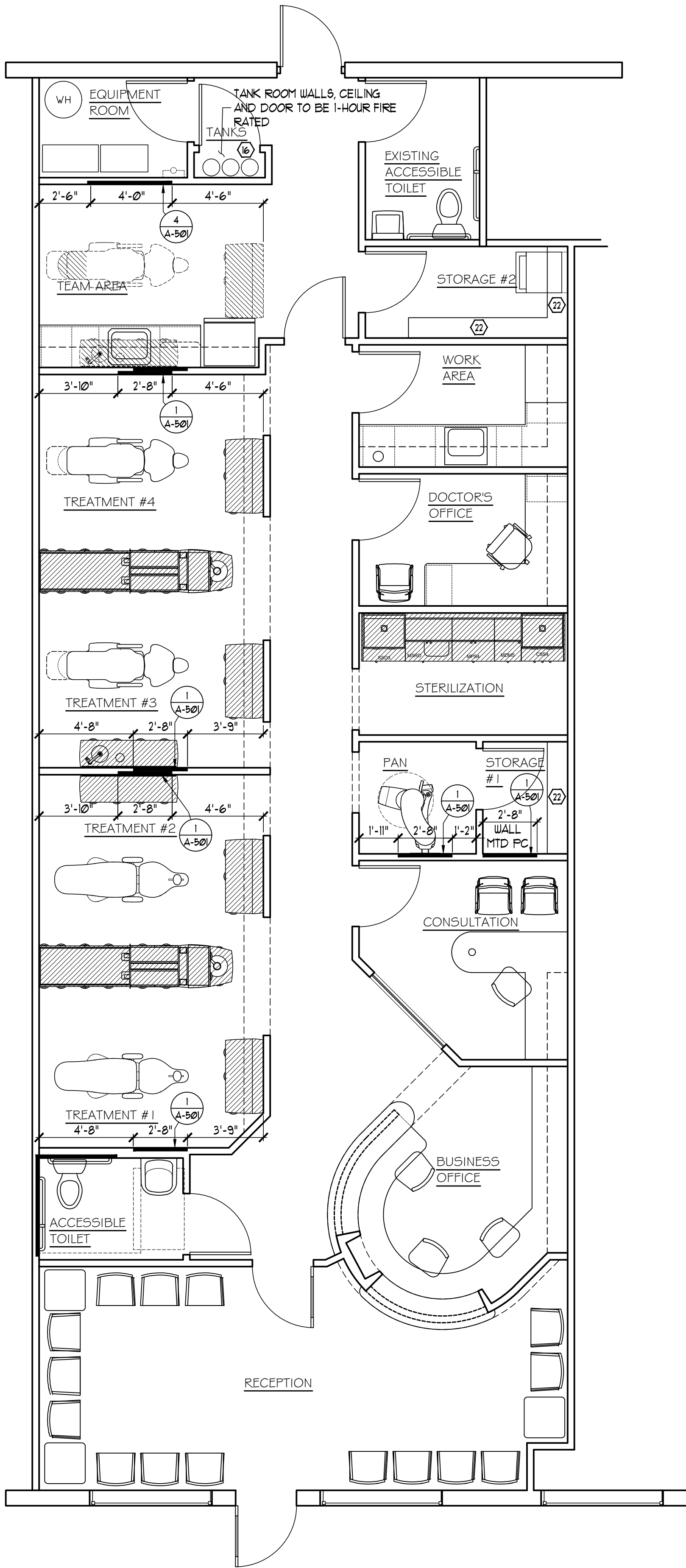
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JOB NO.: SCHAI61
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SHEET
PARTITION PLAN
A-101

NOTE:
FOR ALL EQUIPMENT ROOM, TOILETS, TEAM AREA, WORK
AREA, DOCTOR OFFICE & CONSULTATION ROOM:
INSTALL 3-1/2" SOUND ATTENUATION BATTS IN WALLS AND
ABOVE CEILING FOR SOUND INSULATION.



FLOOR PLAN:

SCALE: 1/4" = 1'-0"
AREA: 1787 SQ. FT.

FLOOR PLAN SPECIFICATIONS:

CABINET BACKING: PROVIDE 2x6 (FIRE RATED IF REQUIRED) SUPPORT FOR ALL
WALL HUNG CABINETS. COORDINATE DETAIL WITH CABINET SUPPLIER/INSTALLER.

PROVIDE AND INSTALL 12" DEEP ADJUSTABLE SHELVES WITH METAL TRACKS AND
ADJUSTABLE BRACKETS AS INDICATED.

MECHANICAL SPECIFICATIONS:

IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL OF RECORD AND/OR THE
GENERAL CONTRACTOR TO DESIGN AND INSTALL H.V.A.C. SYSTEM IN COMPLIANCE
WITH ASHRAE STANDARDS AND LOCAL CODES.

PROVIDE THERMOSTATICALLY CONTROLLED EXHAUST FAN IN EQUIPMENT ROOM.
PROVIDE MECHANICAL VENTILATION IN TOILET ROOMS, WORK AREA, TEAM AREA AND
STERILIZATION. MECHANICAL CONTRACTOR TO SUPPLY DUCTWORK FOR ALL
EXHAUST FANS. SEE REFLECTED CEILING PLAN (A-104) FOR LOCATIONS OF EXHAUST
FANS AND ADDITIONAL INFORMATION.

OWNER / CONTRACTOR OPTION:
PER VACUUM & COMPRESSOR MANUFACTURERS' RECOMMENDATIONS, EQUIPMENT
ROOM MUST BE A THERMOSTATICALLY OR STABLE AMBIENT TEMPERATURE
ENVIRONMENT. IN ADDITION TO THE THERMOSTATIC-CONTROLLED VENT FAN, FORCED
AIR & HVAC INPUT MUST BE USED IF NORMAL AMBIENT TEMPERATURES VARY FROM
MANUFACTURER-SPECIFIED OPERATING TEMPERATURE RANGE.
SUGGESTED A/C UNIT: MITSUBISHI M-SERIES 9000 BTU (OR SIMILAR)

SYMBOL LEGEND:

- - PROVIDE FIRE EXTINGUISHERS WHERE INDICATED.
LARGEN MP-10 OR EQUAL. TOP OF HANDLE AT 48" AFF. MAXIMUM.
- ▨ - CABINETS PROVIDED BY OWNER, EITHER RELOCATED FROM EXISTING OFFICE
OR PURCHASED FROM DENTAL CABINET SUPPLIER.
- ▨ - PROPOSED FUTURE CABINETS, TO BE PROVIDED BY OWNER ONCE THESE
ROOMS ARE RENOVATED.
- ▬ - EQUIPMENT BACKING: WOOD SUPPORT FOR X-RAYS, TOILET GRAB BARS,
WALL-HUNG SINKS, AND OTHER EQUIPMENT. SEE PLAN
AND DETAILS FOR LOCATIONS AND HEIGHTS. ALL 2x AND PLYWOOD
BACKING TO BE INSTALLED PER SPECIFICATIONS BEFORE INSTALLATION
OF GYPSUM BOARD. NO PLUMBING OR ELECTRICAL LINES OF ANY TYPE
SHALL BE BEHIND OR THROUGH EQUIPMENT BACKING (EXCEPT WHERE
SPECIFIC ELECTRICAL IS CALLED OUT ON BACKING DETAIL).
SEE DETAILS ON SHEET A-501.

NOTES LEGEND:

- (6) - TANK ROOM TO BE LABELED PER NFPA 99 SECTION 5.13.1.8. SEE N10 & O2
SPECIFICATIONS ON PAGE A-9 FOR DETAILS. TANK ROOM VENTILATION
SHALL CONSIST OF MECHANICAL VENTILATION TO EXTERIOR OF BUILDING
AND SHALL BE PROVIDED PER NFPA 99 SECTION 5.3.3.3.6.6.
- (22) - 1 ADJUSTABLE SHELVES PROVIDED AND INSTALLED BY THE
GENERAL CONTRACTOR. SEE FLOOR PLAN SPECIFICATIONS.
COORDINATE WITH WASHER/DRYER IN STORAGE.

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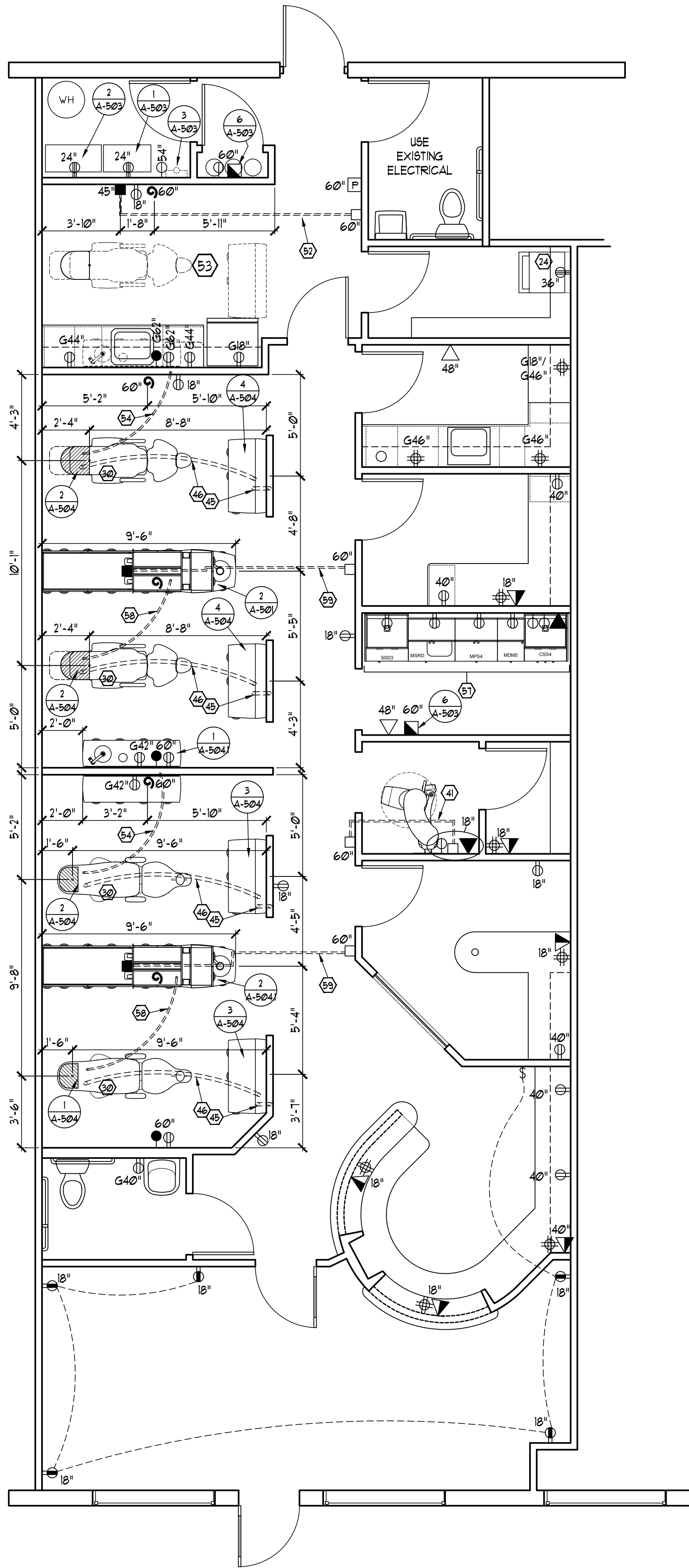
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SHEET
FLOOR PLAN
A-102

NOTES LEGEND:

- 60 - CONTRACTOR TO CONTACT BRIAN STALLINGS OF ATLANTA DENTAL SUPPLY (OR HIS AUTHORIZED REPRESENTATIVE) TO VERIFY THE EXACT DIMENSIONS TO THE J-BOX/ELECTRICAL OUTLET UNDER THE DENTAL CHAIR.
- 41 - 1" ELECT. CONDUIT WITH FULL WIRES FROM 2X4 ROUGH-IN BOX IN HALL TO 2X4 ROUGH-IN BOX WITH FACE PLATE.
- 45 - 2" ELECT. CONDUIT WITH FULL WIRES FROM CABINET BASE, UP WALL, TO ABOVE FINISHED CEILING FOR MONITOR/COMPUTER CABLE.
- 46 - 2" ELECT. CONDUIT WITH FULL WIRES FROM CABINET BASE TO INSIDE FLOOR BOX UNDER CHAIR w/ 2" GROMMET CAP. CONDUIT TO HAVE 90 DEGREE LONG SWEEP BENDS.
- 52 - 1" ELECT. CONDUIT FROM X-RAY BUTTON IN HALL TO X-RAY OUTLET WITH 4 #8 WIRES. COVER BUTTON AND OUTLET FOR FUTURE USE.
- 53 - THIS TREATMENT ROOM IS THESE TREATMENT ROOMS ARE FOR FUTURE USE ONLY! PROVIDE ALL REQUIREMENTS AS INDICATED ON PLANS AND TEMPLATES, AND CAP OFF BELOW FLOOR AND/OR IN WALL FOR FUTURE USE.
- 54 - 1" ELECT. CONDUIT WITH FULL WIRES FROM BESIDE DENTAL LIGHT PIGTAIL FLEX TO INSIDE FLOOR BOX UNDER CHAIR.
- 57 - ELECTRICAL CONTRACTOR TO CONFIRM OUTLETS LOCATION AND CONFIGURATION FOR EXISTING STERILIZATION CABINETS BY OWNER. INSTALL DEDICATED 110V OUTLETS AT REQUIRED HEIGHTS BASED ON AUTOCLAVE LOCATION(S). SEE BRIAN STALLINGS FOR DETAILS.
- 58 - 1" ELECT. CONDUIT WITH FULL WIRES FROM INSIDE BASE OF ISLAND CABINET TO INSIDE FLOOR BOX UNDER CHAIR.
- 59 - 1" ELECTRICAL CONDUIT FROM X-RAY BUTTON IN HALL TO X-RAY PASS-THROUGH ISLAND CABINET WITH 4 #8 WIRES.



ELECTRICAL LAYOUT PLAN:

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

ELECTRICAL PLAN SPECIFICATIONS:

CONTRACTOR SHALL PROVIDE ALL LABOR AND FURNISH ALL MATERIALS AND EQUIPMENT FOR A COMPLETE ELECTRICAL INSTALLATION. FIXTURES TO BE INSTALLED BY ELECTRICAL CONTRACTOR. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE AND PERFORMED BY SKILLED LABOR. CONTRACTOR SHALL FURNISH CERTIFICATION OF INSPECTION. COORDINATE WITH INSTALLATION SCHEDULE ON SHEET A-503.

ALL RECEPTACLES IN TREATMENT AREA TO BE GROUNDED PER NFPA70, (NATIONAL ELECTRIC CODE, 2011) SECTION 517-13. VERIFY COLOR W/ OWNER AND/OR INTERIOR DESIGNER. ALL RECEPTACLE HEIGHTS ARE MEASURED TO CENTER OF ROUGH IN BOX.

WHERE CONDUIT ENDS IN WALL, BRING ABOVE CEILING FOR ACCESS FROM ABOVE. WHERE CONDUIT WOULD PROTRUDE THROUGH WALL FOR EQUIPMENT INSTEAD OF IN A CABINET, PROVIDE A JUNCTION BOX IN THE WALL FOR THE CONDUIT TO TERMINATE IN (VERIFY SIZE OF CONDUIT AND PROVIDE JUNCTION BOX WITH APPROPRIATE RECEPTOR). ALL X-RAY WIRES TO HAVE 600 VOLT CLASS INSULATION.

CONTRACTOR TO CONFIRM T.V. AND/OR MONITOR WIRING WITH OWNER.

ALL DENTAL EQUIPMENT TO BE INSTALLED BY SUPPLIER AND CONNECTED BY PLUMBING AND ELECTRICAL CONTRACTORS. GENERAL CONTRACTOR TO COORDINATE INSTALLATION DATE WITH ADS.

DIMENSIONS ON THIS DRAWING WHICH REFERENCE UTILITIES IN DENTAL CABINETS AND IN JUNCTION BOXES UNDER DENTAL CHAIRS ARE MEASURED TO THE ØØ TARGET NODE ON EACH EQUIPMENT TEMPLATE. SEE TEMPLATE PAGE (A-504) FOR ADDITIONAL INFORMATION. OWNER AND/OR DENTAL EQUIPMENT SUPPLIER TO VERIFY EQUIPMENT WHICH WILL BE INSTALLED AND TO PROVIDE FULL SIZE EQUIPMENT TEMPLATES, IF NEEDED.

FOR 208 VOLT SYSTEMS, PROVIDE A 4KVA BUCK-BOOST TRANSFORMER FOR EACH VACUUM AND COMPRESSOR TO STEP THE VOLTAGE UP FROM 208 VOLTS TO 230 VOLTS. PROVIDE ALL OVERCURRENT AND OVERLOAD PROTECTION REQUIRED BY CURRENT EDITION OF NEC AND INSTALL IN COMPLIANCE W/ REQUIREMENTS OF NEC. THE BUCK-BOOST TRANSFORMERS SHOULD BE INSTALLED IN THE SAME ROOM AS THE DENTAL EQUIPMENT IF POSSIBLE, OR SIGNAGE SHOULD BE CLEARLY SHOWN NEAR THE DENTAL EQUIPMENT RECEPTACLES INDICATING THAT BUCK-BOOST TRANSFORMERS ARE PROVIDING 230V OF POWER TO THEM.

INSTALL EXHAUST FANS AT ALL CABINETS WHERE COMPUTERS ARE STORED. CABINET CONTRACTOR TO PREP CABINET FOR MOUNTING FAN PER MANUFACTURER'S RECOMMENDATIONS, AND TO PROVIDE GRILL COVER FOR VENTILATION (COLOR: BLACK). LOW VOLTAGE CONTRACTOR WILL PROVIDE AND INSTALL FANS. RECOMMENDED FAN MODEL: "THERMALTAKE MOBILE II, USB POWERED" OR EQUIVALENT.

SYMBOL LEGEND:

- - CABLE RECEPTACLE - PROVIDE 1" ELECTRICAL CONDUIT WITH FULL WIRES TO ABOVE FINISHED CEILING
- ⊖ - DEDICATED 110V RECEPTACLE
- ⊕ - DUPLEX 110V RECEPTACLE
- ⊕ - DUPLEX 110V RECEPTACLE TOP OUTLET ON SWITCH
- ⊕ - GFI, DUPLEX 110V RECEPTACLE
- ⊕ - 230 VOLT RECEPTACLE - SEPARATE CIRCUIT. CONTRACTOR TO VERIFY ALL OTHER CIRCUIT REQUIREMENTS WITH ENGINEERING PLANS OR EQUIPMENT MANUFACTURER.
- ⊕ - QUAD RECEPTACLE
- ⊕ - STANDARD 110V FLEX WITH 12" PIGTAIL TO EXIT WALL AT 60" AFF. OR INSTALLED IN ISLAND CABINET
- ⊕ - TELEPHONE RECEPTACLE: PROVIDE 1" ELECTRICAL CONDUIT WITH FULL WIRES TO ABOVE FINISHED CEILING. PROVIDE A WALL BRACKET FOR EACH RECEPTACLE SHOWN AT 48" AFF.
- ⊕ - DATA DROP: PROVIDE 1" ELECTRICAL CONDUIT WITH FULL WIRES TO ABOVE FINISHED CEILING AT ALL COMPUTER RECEPTACLE LOCATIONS, FOR WIRES TO BE RUN TO CENTRAL COMPUTER SERVER.
- ⊕ - TELEPHONE RECEPTACLE & COMPUTER RECEPTACLE: PROVIDE A SINGLE ELECTRICAL JUNCTION BOX & 1" ELECTRICAL CONDUIT WITH FULL WIRES TO ABOVE FINISHED CEILING.
- - 2 X 4 ROUGH IN BOX WITH WIRES, AS NOTED ON PLAN
- - X-RAY OUTLET 115 VOLT 20 AMP SEPARATE CIRCUIT 3 WIRES IN 2X4 BOX, INSTALL PER X-RAY MANUFACTURER'S TEMPLATE.
- \$ - SINGLE POLE SWITCH
- - N2O AND O2 SECURITY SYSTEM. CABLE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICIAN. PROVIDE 115V POWER AT ALARM/MANIFOLD IN TANKROOM AT 60" AFF. SEE DETAIL 6/A-503.
- ○ ○ - N2O AND O2 TANKS - SEE PLAN FOR LOCATION OF TANK ROOM. CONTRACTOR TO PROVIDE HOLDING CHAIN FOR EACH TANK. SEE DETAIL 6/A-503.
- ⊕ - CONTROL PANEL. REQUIRES 2 GANG BOX FOR AIRTECHNIQUES DENTALEZ RAMVAC EQUIPMENT OR 3-GANG BOX FOR OTHER EQUIPMENT MANUFACTURER. INSTALL WIRING TO EQUIPMENT ROOM PER MANUFACTURER'S SPECIFICATIONS. ELECTRICIAN TO SUPPLY THREE STRANDED #8 WIRES FROM EACH SWITCH TO EACH PIECE OF EQUIPMENT, FOR A TOTAL OF FOUR RUNS FROM MASTER CONTROL TO THE EQUIPMENT ROOM. SEE DETAILS 1/A-503, 2/A-503, AND 3/A-503.

DENTAL EQUIPMENT ELECTRICAL NOTES

SEE SHEETS A-503 & A-504 FOR ADDITIONAL DENTAL EQUIPMENT INFORMATION BEING REFERENCED BY CALL OUTS WITHIN PLAN

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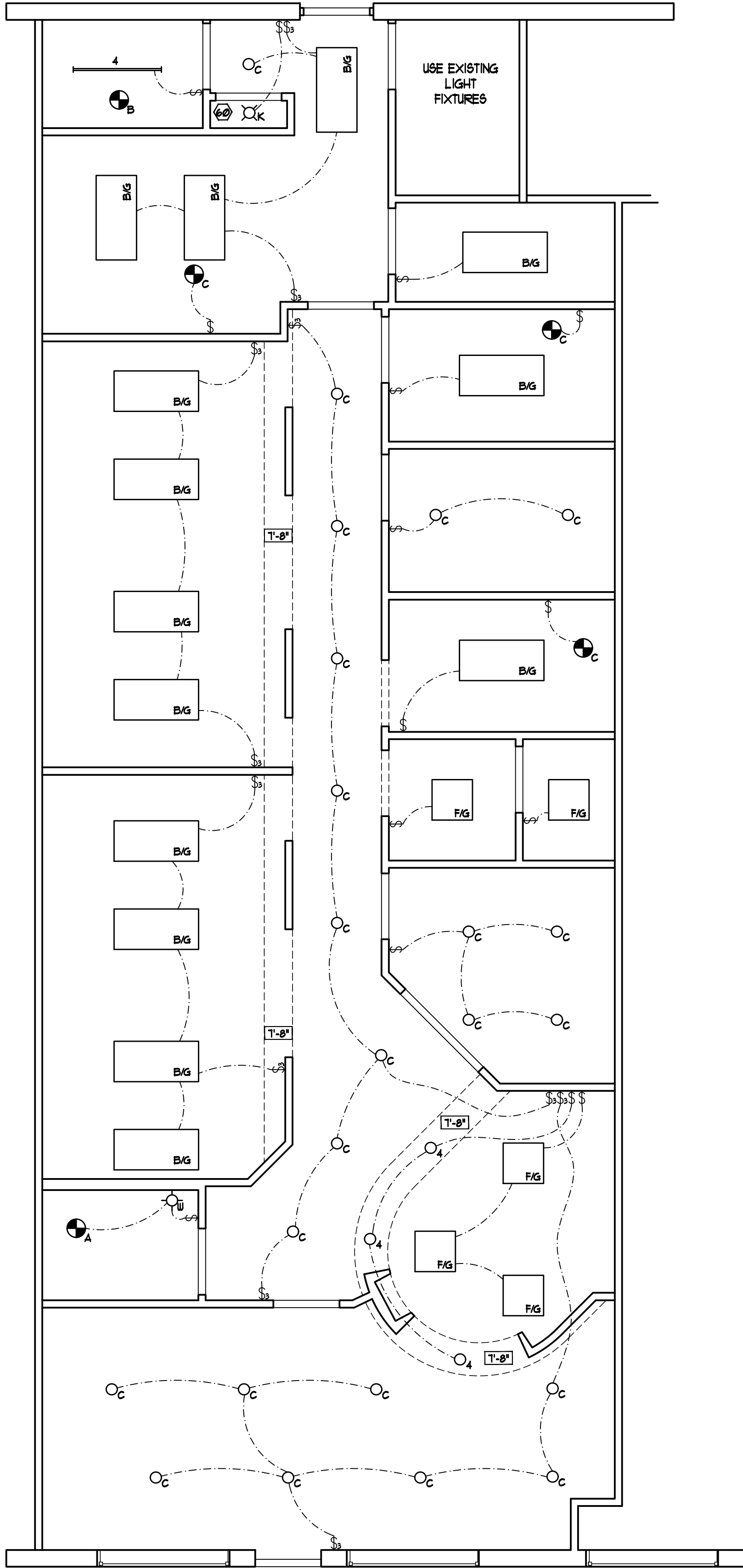
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SHEET
ELECTRICAL PLAN
A-103



REFLECTED CEILING PLAN:
SCALE: 1/4" = 1'-0"

REFLECTED CEILING PLAN SPECIFICATIONS:

CONTRACTOR SHALL PROVIDE ALL LABOR AND FURNISH ALL MATERIALS AND EQUIPMENT FOR A COMPLETE ELECTRICAL INSTALLATION. FIXTURES AND LAMPS TO BE INSTALLED BY ELECTRICAL CONTRACTOR AT LOCATIONS INDICATED ON PLANS. WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE AND PERFORMED BY SKILLED LABOR. CONTRACTOR SHALL FURNISH CERTIFICATION OF INSPECTION.

SYMBOL LEGEND:

- TOILET ROOM EXHAUST FAN, EXHAUSTED TO EXTERIOR
- EXHAUST FAN, VENTED TO EXTERIOR WITH THERMOSTATIC CONTROL, SEE EQUIPMENT MANUFACTURER SPECIFICATIONS FOR ROOM TEMPERATURE AND VENTILATION REQUIREMENTS
- EXHAUST FAN, EXHAUSTED TO EXTERIOR NUTONE, MODEL QTXE-150 w/ SWITCH CONTROL (150 CFM, 14 SONES)
- INTERIOR DECORATIVE FIXTURE, ALLOWANCE \$100
- INTERIOR FIXTURE, ALLOWANCE \$25
- INTERIOR WALL HUNG FIXTURE, ALLOWANCE \$150
- 4" FLUORESCENT RECESSED DOWN LIGHT
- SINGLE POLE SWITCH
- 3 WAY OR 4 WAY SWITCH
- FLUORESCENT DOWN LIGHT

- 2 X 4 FLUORESCENT FIXTURE w/ ACRYLIC LENS
- 4 FT. DOUBLE FLUORESCENT STRIP FIXTURE
- 3 FT. DOUBLE FLUORESCENT STRIP FIXTURE
- 2 X 2 FLUORESCENT FIXTURE w/ ACRYLIC LENS

NOTES LEGEND:

- CEILING TO BE TWO LAYERS OF 5/8" FIRE-CODED TYPE "X" GYPSUM BOARD.
- 60FFIT HEIGHT ABOVE FINISHED FLOOR. VERIFY HEIGHTS WITH CLIENT BEFORE CONSTRUCTION

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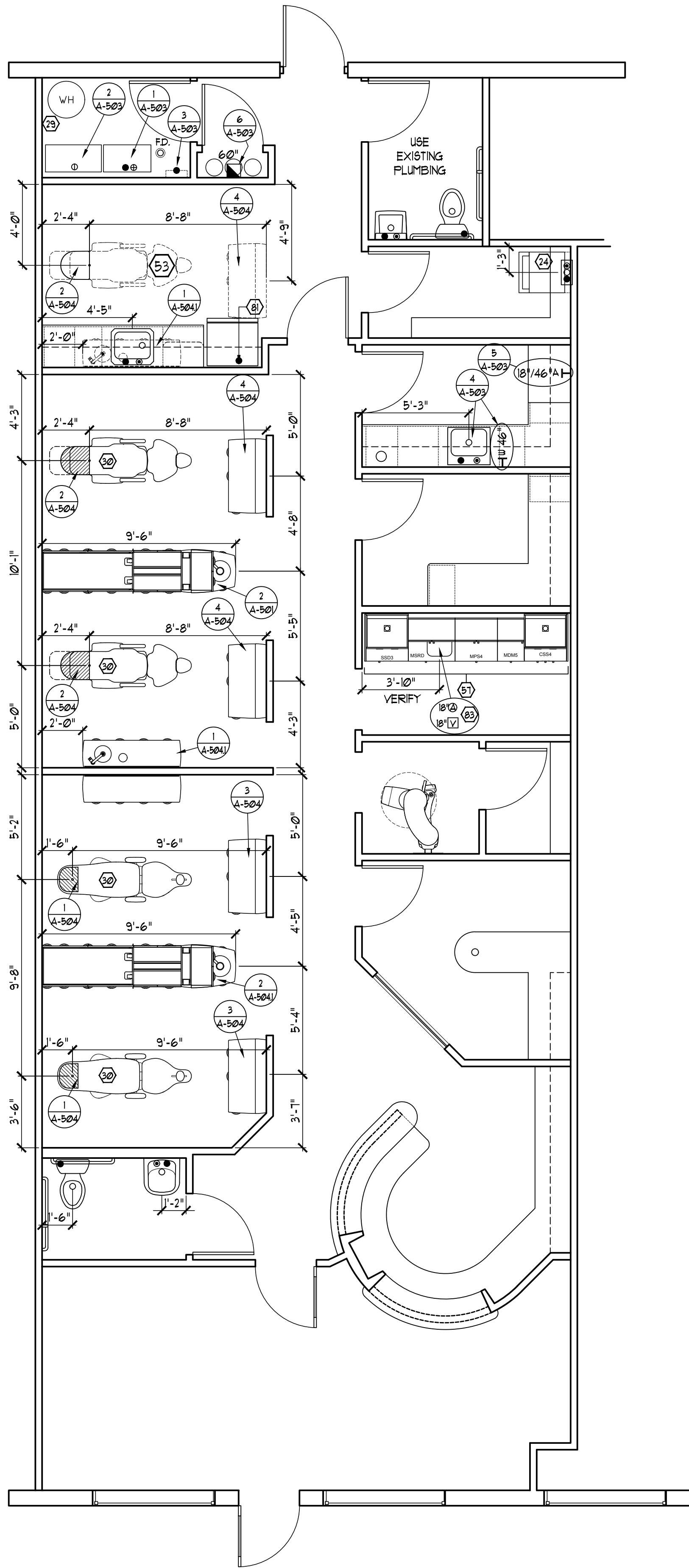
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FILE: A-104
DATE: 12-14-16
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SHEET
REFLECTED CEILING PLAN
A-104



PLUMBING PLAN SPECIFICATIONS:

THE PLUMBING WORKS SHALL INCLUDE THE COMPLETE INSTALLATION OF THE PLUMBING SYSTEM, ALL FIXTURES AND CONNECTION OF ALL EQUIPMENT AND FIXTURES (SEE INSTALLATION SCHEDULE ON SHEET A-503). THE PLUMBING WORKS SHALL INCLUDE ALL EXCAVATING, BACK FILLING, CUTTING AND REPAIRING NECESSARY FOR THE INSTALLATION OF THE PLUMBING SYSTEM. ALL VACUUM LINES SHALL BE UNDER FINISH FLOOR LEVEL. ALL PLUMBING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH STATE LAWS AND LOCAL ORDINANCES.

CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES. THE PLUMBER WILL BE RESPONSIBLE FOR THE CONNECTION OF ALL SINKS, EVEN THOUGH THEY MAY BE LISTED AS NOT IN CONTRACT (N.I.C.). THIS INCLUDES CONNECTION OF FOOT PEDALS. ALL DENTAL EQUIPMENT TO BE INSTALLED BY SUPPLIER AND CONNECTED BY THE PLUMBING AND ELECTRICAL CONTRACTORS. CONTRACTOR TO COORDINATE INSTALLATION DATE WITH A.D.S.

PLUMBING PIPES TO ACCOMMODATE EQUIPMENT BACKING AND CABINET BACKING. WHERE NECESSARY, ADJUST PIPE AND STACK LOCATIONS TO MAKE ACCOMMODATION.

N₂O & O₂ MEDICAL GASES ARE NON-FLAMMABLE. THEY WILL BE USED IN THIS FACILITY AS AN ANALGESIC (CAUSING A STATE OF PAINLESSNESS WHILE REMAINING FULLY CONSCIOUS). A VACUUM SYSTEM WILL ALSO BE USED TO REMOVE ALL EXCESS GASES.

DIMENSIONS ON THIS DRAWING REFERENCING UTILITIES IN DENTAL CABINETS AND IN JUNCTION BOXES UNDER DENTAL CHAIRS ARE MEASURED TO THE ØØ TARGET NODE ON EACH TEMPLATE. SEE TEMPLATE PAGE (A-504) FOR ADDITIONAL INFORMATION.

SYMBOL LEGEND:

- - COLD WATER- 1/2" TYPE "M" HARD COPPER
- - HOT WATER- 1/2" TYPE "M" HARD COPPER
- - DRAIN: STUB OUT 11" ABOVE FLOOR. SOIL WASTE & VENT PIPING TO BE SCH. 40 PVC PIPE & FITTING UNLESS LOCAL CODES REQUIRE DIFFERENTLY.
- FD. ○ - FLOOR DRAIN WITH TRAP PRIMER IN EQUIPMENT ROOM.
- - AIR LINE IN EQUIPMENT ROOM
- - VACUUM LINE IN EQUIPMENT ROOM
- ⊗ - AIR LINE WITH 1/4" THREADED FEMALE END SHUT OFF VALVE UNDER STERILIZATION SINK
- ⊗✓ - VACUUM LINE UNDER STERILIZATION SINK
- A - AIR OUTLET- 1/2" MALE NIPPLE 1" OUT FROM FINISHED WALL TO TERMINATE WITH A 3/8" CUT OFF STOP. PROVIDE AT HEIGHT(S) SPECIFIED ON PLANS. SEE DETAIL 5/A-503.
- W - WATER OUTLET- 1/2" MALE NIPPLE 1" OUT FROM FINISHED WALL TO TERMINATE WITH A 3/8" CUT OFF STOP. PROVIDE AT HEIGHT(S) SPECIFIED ON PLANS. SEE DETAIL 4/A-503.

- ○ ○ - N₂O AND O₂ TANKS: SEE PLAN FOR LOCATION OF TANK ROOM. CONTRACTOR TO PROVIDE HOLDING CHAIN FOR EACH INDIVIDUAL TANK. SEE DETAIL 6/A-503.
- - N₂O AND O₂ MANIFOLD SYSTEM. SEE DETAIL 6/A-503.
- FD. ○ - FLOOR DRAIN WITH TRAP PRIMER IN EQUIPMENT ROOM

NOTES LEGEND:

- (25) - WATER HEATER- CONTRACTOR TO VERIFY LOCATION, SIZE AND PLUMBING REQUIREMENTS.
- (26) - CONTRACTOR TO CONTACT BRIAN STALLINGS OF ATLANTA DENTAL SUPPLY (OR HIS AUTHORIZED REPRESENTATIVE) TO VERIFY THE EXACT DIMENSIONS TO THE J-BOX/ELECTRICAL OUTLET UNDER THE DENTAL CHAIR.
- (23) - THIS TREATMENT ROOM IS THESE TREATMENT ROOMS ARE FOR FUTURE USE ONLY! PROVIDE ALL REQUIREMENTS AS INDICATED ON PLANS AND TEMPLATES, AND CAP OFF BELOW FLOOR AND/OR IN WALL FOR FUTURE USE.
- (57) - CONTRACTOR TO CONFIRM LOCATION AND CONFIGURATION OF PLUMBING FIXTURES IN EXISTING STERILIZATION CABINETS. SEE BRIAN STALLINGS FOR DETAILS
- (8) - PROVIDE COLD WATER LINE FOR REFRIGERATOR ICE MAKER
- (22) - DRAIN AT THIS LOCATION TO BE AT 12" AFF.

DENTAL EQUIPMENT PLUMBING NOTES

SEE SHEETS A-503 & A-504 FOR ADDITIONAL DENTAL EQUIPMENT INFORMATION BEING REFERENCED BY CALL OUTS WITHIN PLAN

PLUMBING LAYOUT PLAN:

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

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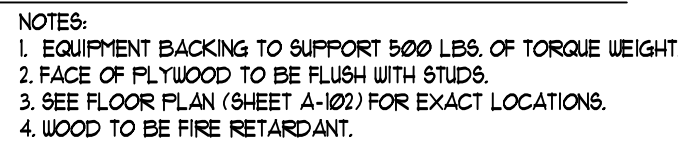
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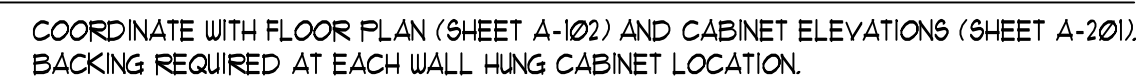
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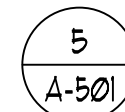
SHEET
PLUMBING PLAN
A-105



2
A-501



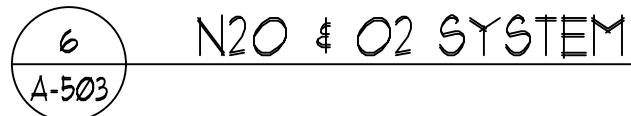
4
A-501



SHEET

BACKING DETAILS

A-501



2) INSTALL OUTLET STATIONS IN DESIGNATED LOCATIONS.
SEE PLUMBING PLAN AND OUTLET STATION INSTALLATION INSTRUCTIONS.

2) INSTALL INLET MANIFOLD IN TANK ROOM.
BOTTOM EDGE 16 5 FEET ABOVE FINISH FLOOR (AFF).
SEE PLUMBING PLAN AND MANIFOLD STATION
INSTALLATION INSTRUCTIONS.
PLUMBING TO EXIT WALL AT 62" AFF. FOR MANIFOLD.

3) RUN OXYGEN AND NITROUS OXIDE PIPING.

- A. USE TYPE K OR L, FEE CLEANED, DEGREASED, CAPPEED COPPER TUBING ONLY.
- B. USE 1/2" O.D. TUBING FOR OXYGEN LINES.
- C. USE 3/8" O.D. TUBING FOR NITROUS OXIDE LINES.
- D. FLOW NITROGEN THROUGH LINES WHILE SOLDERING. THIS WILL PREVENT OXIDATION FROM CONTAMINATING THE LINE.
CAUTION: USE MEDICAL GRADE DRY NITROGEN ONLY!

E. SOLDER ALL JOINTS. SOLDER MUST HAVE A MELTING POINT OF AT LEAST 1000° F.
USE SILVER SOLDER OR SIMILAR BRAZING ALLOY.
DO NOT USE CORROSIVE FLUX!
USE FLUX SPARINGLY!
DO NOT USE FLARE, COMPRESSION OR PIPE FITTINGS!

F. PURGE SYSTEM BEFORE ATTACHING MANIFOLD.
G. DO NOT USE OIL OR GREASE!

H. MARK PIPE LINES WITH GAS NAME AT EVERY 20 FEET.

5) TEST SYSTEM FOR LEAKS.

- A. USE MEDICAL GRADE DRY NITROGEN.
- B. TEST WITH MANIFOLD IN PLACE AND OUTLET STATIONS ASSEMBLED.
- C. SYSTEM SHOULD HOLD PRESSURE FOR 24 HOURS (ALLOW + OR - 5 PSI FOR DIFFERENTIAL DIFFERENCES).
- D. IF SYSTEM DOES NOT HOLD PRESSURE, TEST FOR LEAKS WITH LEAK DETECTOR AT EACH JOINT. DO NOT USE SOAPY WATER (SOAP CONTAINS GREASE).

5) TEST FOR CROSSED LINES.

ALTHOUGH 2 SIZES OF TUBING ARE USED, FOR YOUR OWN PROTECTION TEST THE SYSTEM WITH A PHYSICIAN, DOCTOR AND/OR DENTAL DEALER SHOULD WITNESS TEST.

6) ALL WORK TO MEET NPFA 4 LOCAL REQUIREMENTS.

- A. PLAN TO BE APPROVED AND SIGNED BY LOCAL FIRE OFFICIALS BEFORE WORK BEGINS.
- B. ALL PLUMBING FOR THE NITROUS OXIDE SYSTEM SHALL BE INSTALLED BY A STATE CERTIFIED MEDICAL GAS INSTALLER / PLUMBER.

7) TANK ROOM SIGN.

TANK ROOM SHALL HAVE A SIGN ON THE EXTERIOR OF THE DOOR WHICH READS AS FOLLOWS:

CAUTION! MEDICAL GASES
NO SMOKING OR OPEN FLAME
ROOM MAY HAVE INSUFFICIENT OXYGEN.
OPEN DOOR 4 ALLOW ROOM TO
VENTILATE BEFORE ENTERING

[illegible][illegible]

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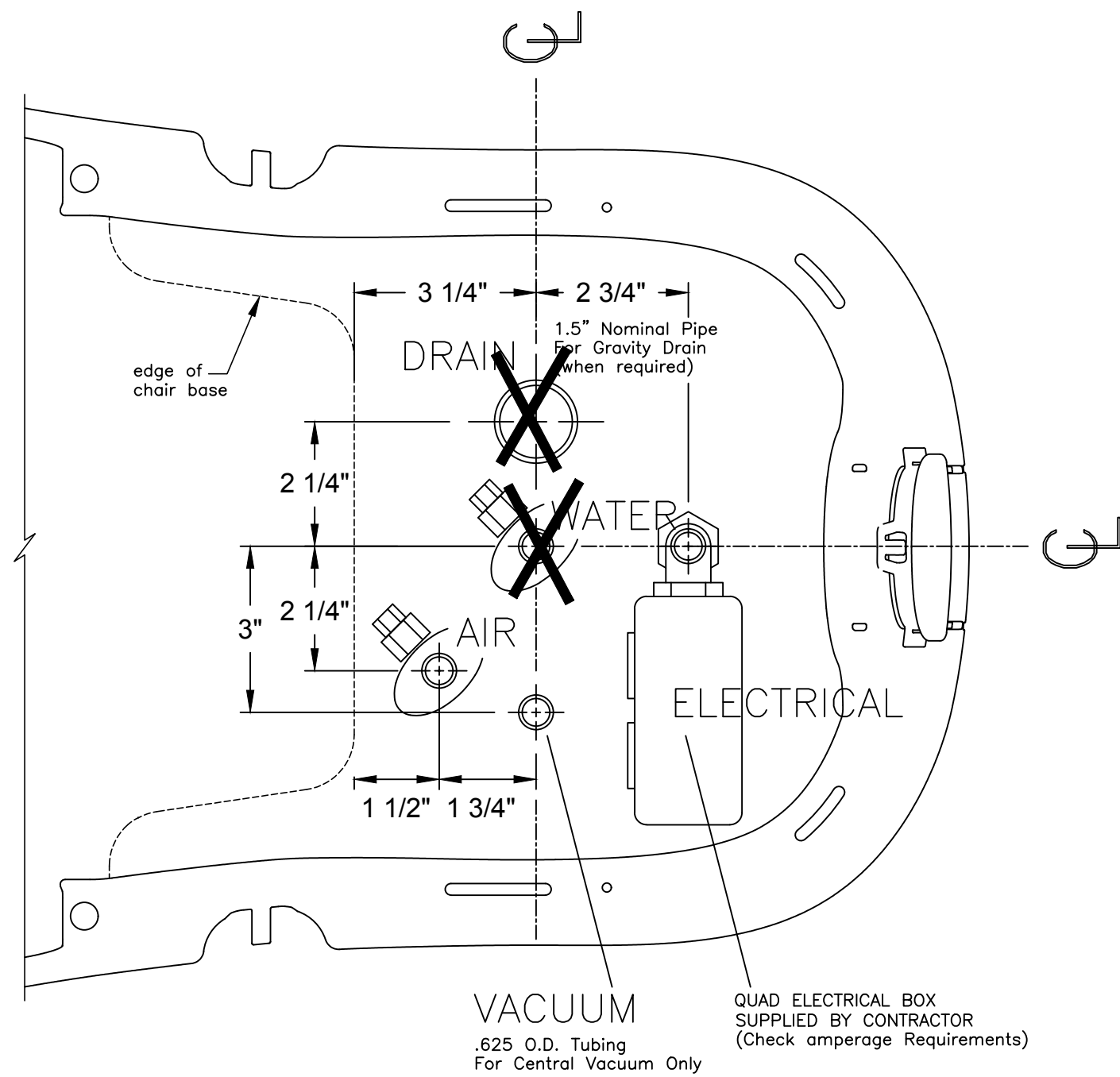
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SHEET
PLUMBING & ELECTRICAL
DETAILS

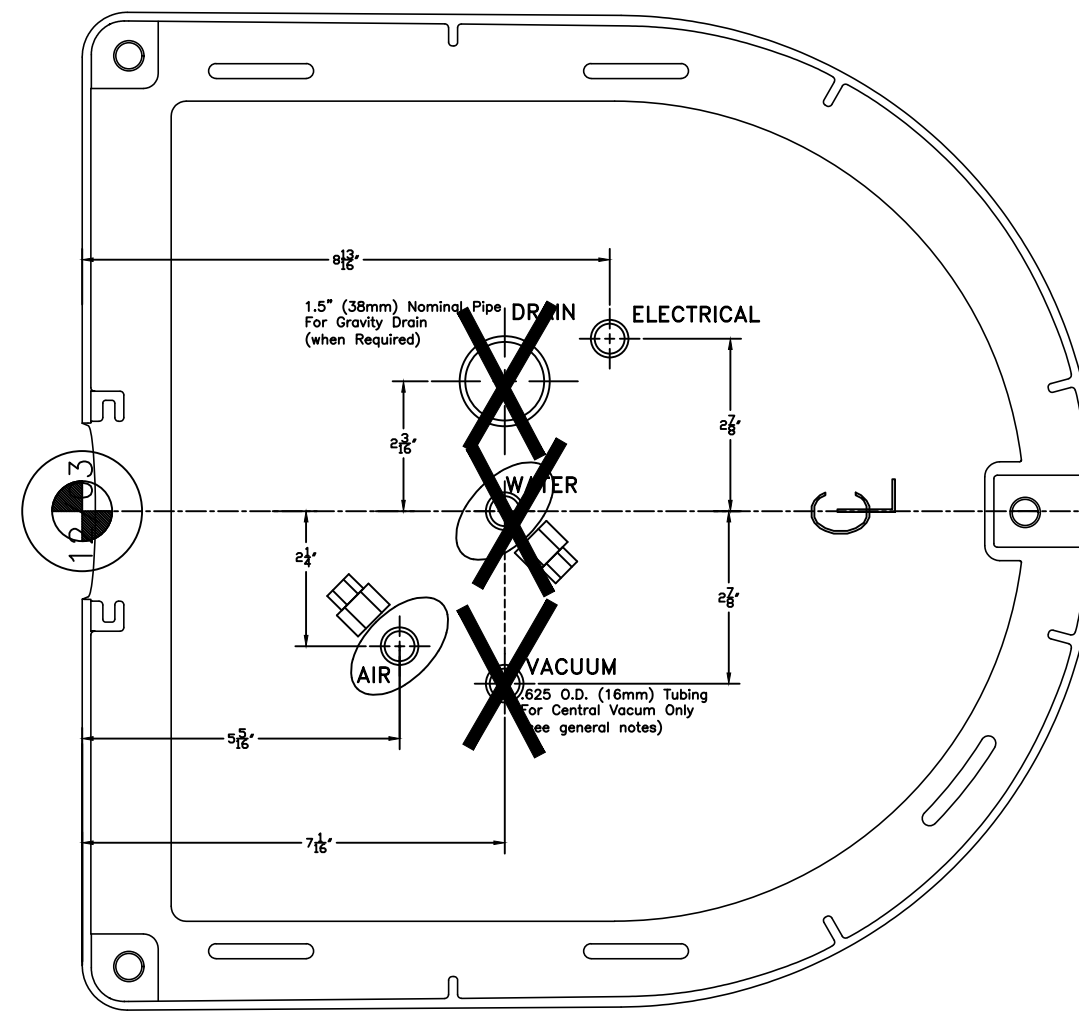
A-503



1
A-504

TEMPLATE FOR ADEC 311 J-BOX

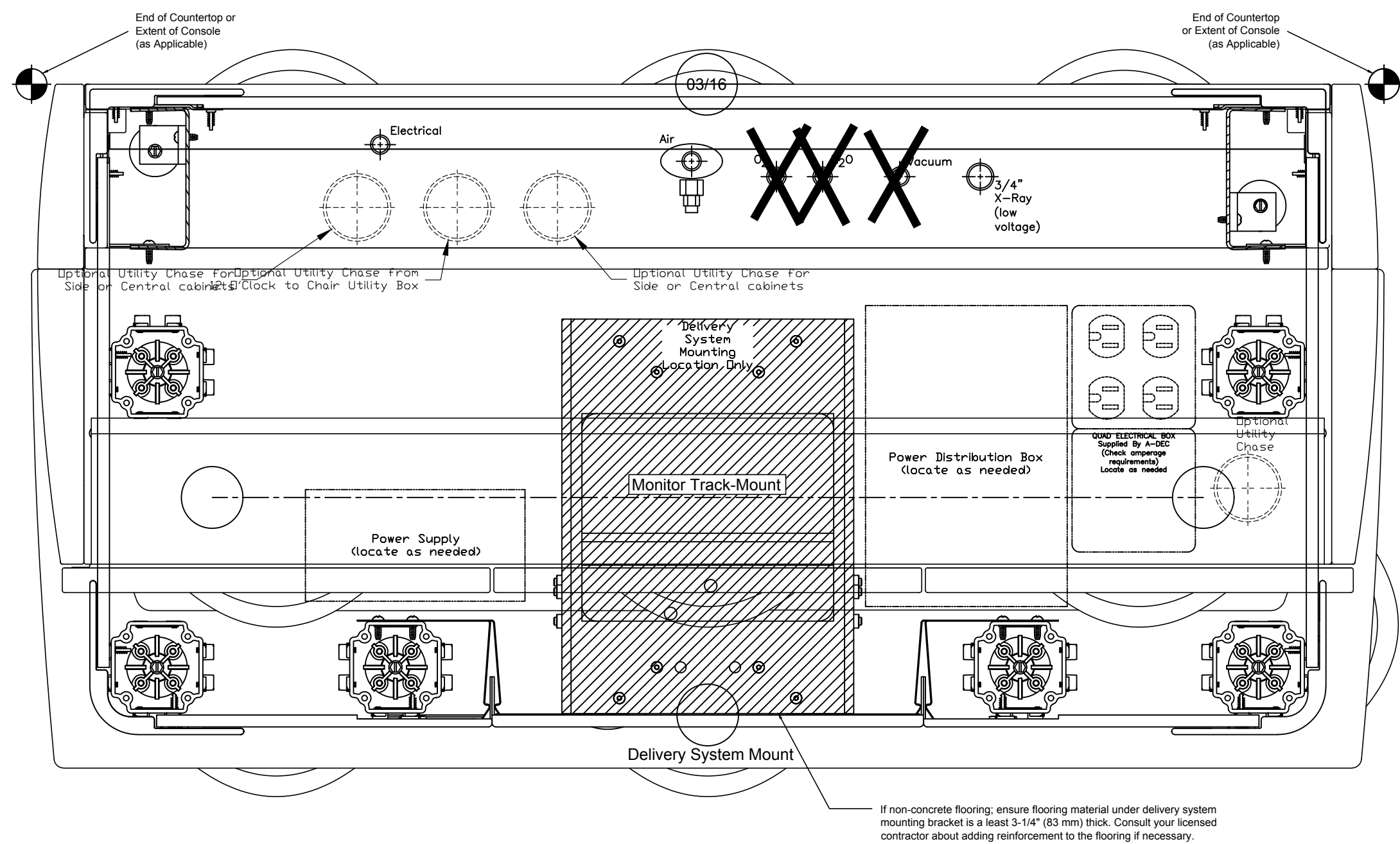
ROOMS: TREATMENT #1 & #2
DO NOT PLUMB THE WATER OR DRAIN ON THIS TEMPLATE.



2
A-504

TEMPLATE FOR ADEC 511 J-BOX

ROOMS: TREATMENT #3, #4, AND FUTURE TREATMENT
DO NOT PLUMB THE WATER, VACUUM, OR DRAIN ON THIS TEMPLATE.

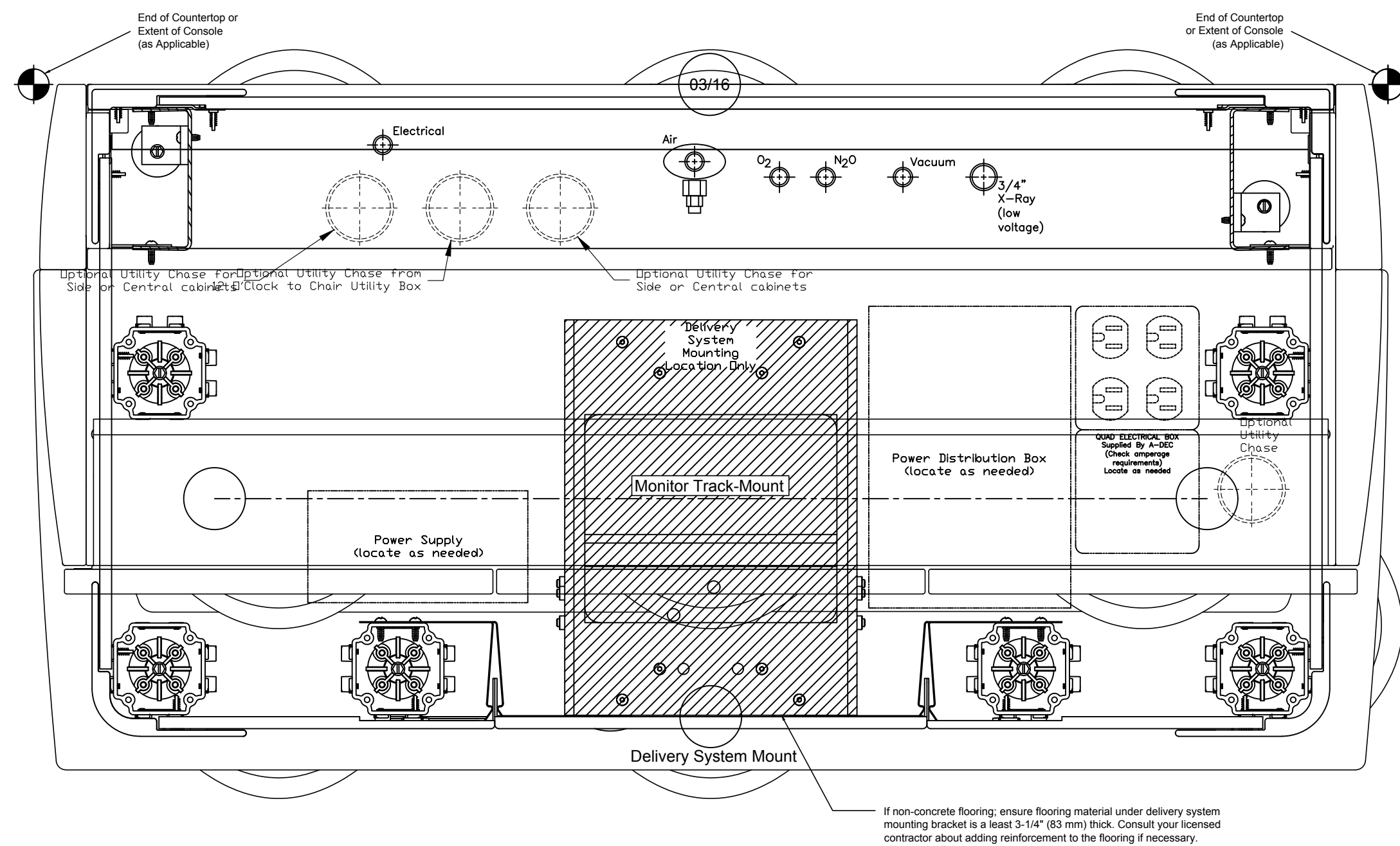


3
A-504

TEMPLATE FOR ADEC INSPIRE 591

ROOMS: TREATMENT #1, #2
DO NOT PLUMB THE VACUUM, O2 OR N2O ON THIS TEMPLATE.

SEE BRIAN STALLINGS FOR TEMPLATE W/ DIMENSIONS



4
A-504

TEMPLATE FOR ADEC INSPIRE 591

ROOMS: TREATMENT #3, #4, & FUTURE TREATMENT

SEE BRIAN STALLINGS FOR TEMPLATE W/ DIMENSIONS

THESE ARE GENERIC TEMPLATES.
PROVIDE ONLY THE REQUIREMENTS
CALLED OUT ON SHEETS A-103 AND A-105.

IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE
WITH THE EQUIPMENT MANUFACTURER & VERIFY THE ACTUAL TEMPLATE
BEING USED. ADJUST DIMENSIONS AS REQUIRED TO MATCH EQUIPMENT
WHICH WILL BE INSTALLED.

NOTE: ALL DIMENSIONS TO TEMPLATES ARE MEASURED TO THE ØØ TARGET NODE
ON THE TEMPLATE. SEE TEMPLATE FOR TARGET NODE: ØØ

1. THIS PLAN SHOWS TYPICAL METHOD OF LOCATING UTILITY CENTER IN
RELATION TO DENTAL CHAIR.
2. LOCAL REGULATIONS REQUIRE THAT LICENSED PLUMBERS AND
ELECTRICIANS SHALL INSTALL UTILITIES.
3. MAKE SURE ALL PLUMBING CONFORMS TO PREVAILING LOCAL CODES.

AIR - 1/2" PIPE N.P.T. COMPRESSION SUPPLY LINE STOP PROTRUDING 1" FROM
FLOOR OR WALL, SUPPLIED AND INSTALLED BY CONTRACTOR.
AIR PRESSURE 80-100 P.S.I. AIR PLUMBING SHOULD BE FLUSHED CLEAN
BEFORE MAKING FINAL CONNECTIONS TO DENTAL EQUIPMENT.

WATER - 1/2" PIPE N.P.T. COMPRESSION SUPPLY LINE STOP PROTRUDING 1" FROM
FLOOR OR WALL, SUPPLIED AND INSTALLED BY CONTRACTOR.
WATER PRESSURE 40 - 80 P.S.I. WATER PLUMBING SHOULD BE FLUSHED CLEAN
BEFORE MAKING FINAL CONNECTIONS TO DENTAL EQUIPMENT.

ELECTRICAL - 1/2" CONDUIT AND BOX WITH QUAD RO EQUAL RECEPTACLE SUPPLIED
BY CONTRACTOR. BOX TO BE WIRED PER CODE. VOLTAGE 110 - 3 WIRE

VACUUM - PLUMBING UP TO UTILITY CENTER SHOULD BE SPECIFIED BY
CENTRAL VACUUM SUPPLIER AND TERMINATED IN UTILITY CENTER
WITH 1" PVC (OR HARD COPPER) PERPENDICULAR TO FLOOR,
SIMILAR TO DRAIN CONNECTION.

DRAIN - 1-1/2" NOMINAL PIPE PROTRUDING 1" FROM FINISHED FLOOR OR WALL
NOTE: PLACE TRAP IN LINE TO CONFORM WITH LOCAL CODES.
SUPPLIED BY CONTRACTOR.

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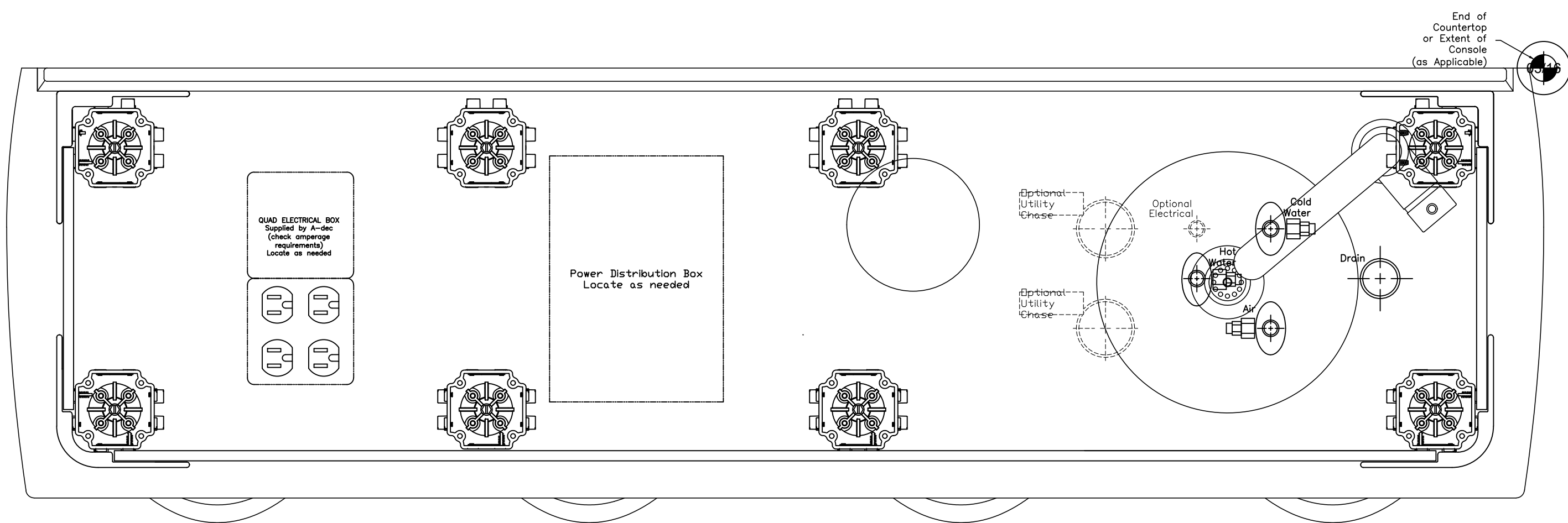
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SHEET
EQUIPMENT UTILITY
TEMPLATES

A-504

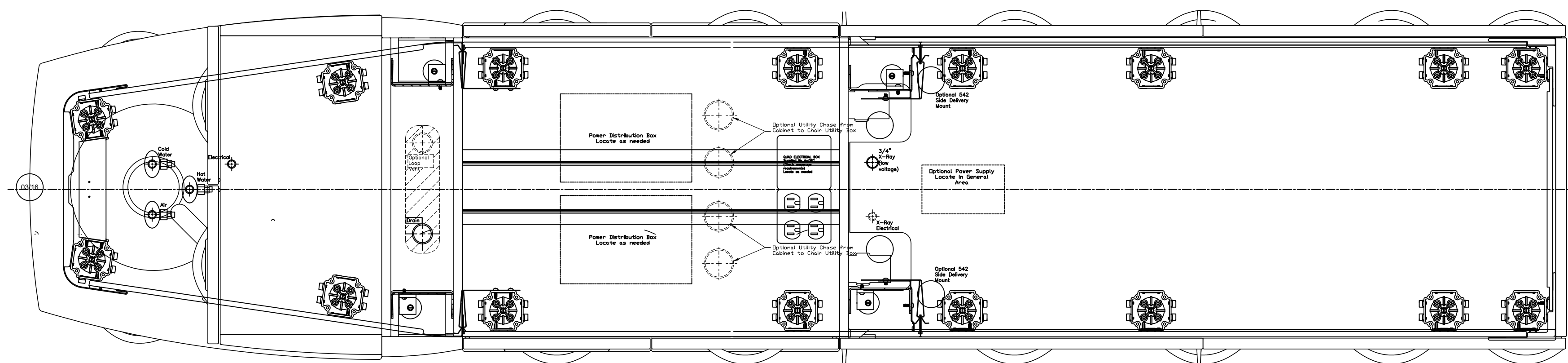


1
A-504.1

TEMPLATE FOR ADEC INSPIRE 593 SIDE CAB- SR

ROOMS: TREATMENT #4

SEE BRIAN STALLINGS FOR TEMPLATE W/ DIMENSIONS



2
A-504.1

TEMPLATE FOR ADEC INSPIRE 592 ISLAND CAB

ROOMS: TREATMENT #1/2 & #3/4

SEE BRIAN STALLINGS FOR TEMPLATE W/ DIMENSIONS

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DRAIN - 1-1/2" NOMINAL PIPE PROTRUDING 1" FROM FINISHED FLOOR OR WALL
NOTE- PLACE TRAP IN LINE TO CONFORM WITH LOCAL CODES.
SUPPLIED BY CONTRACTOR

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