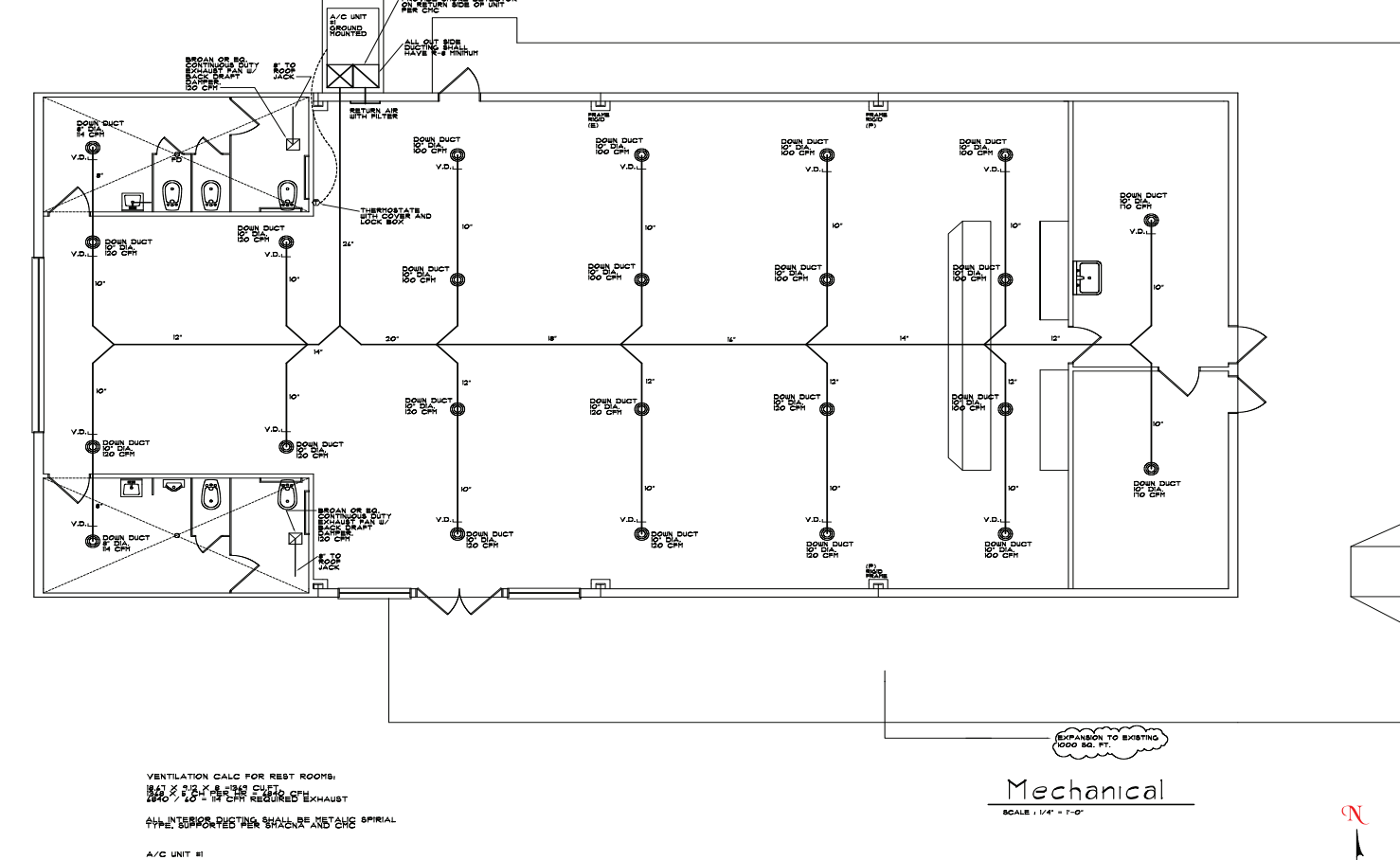


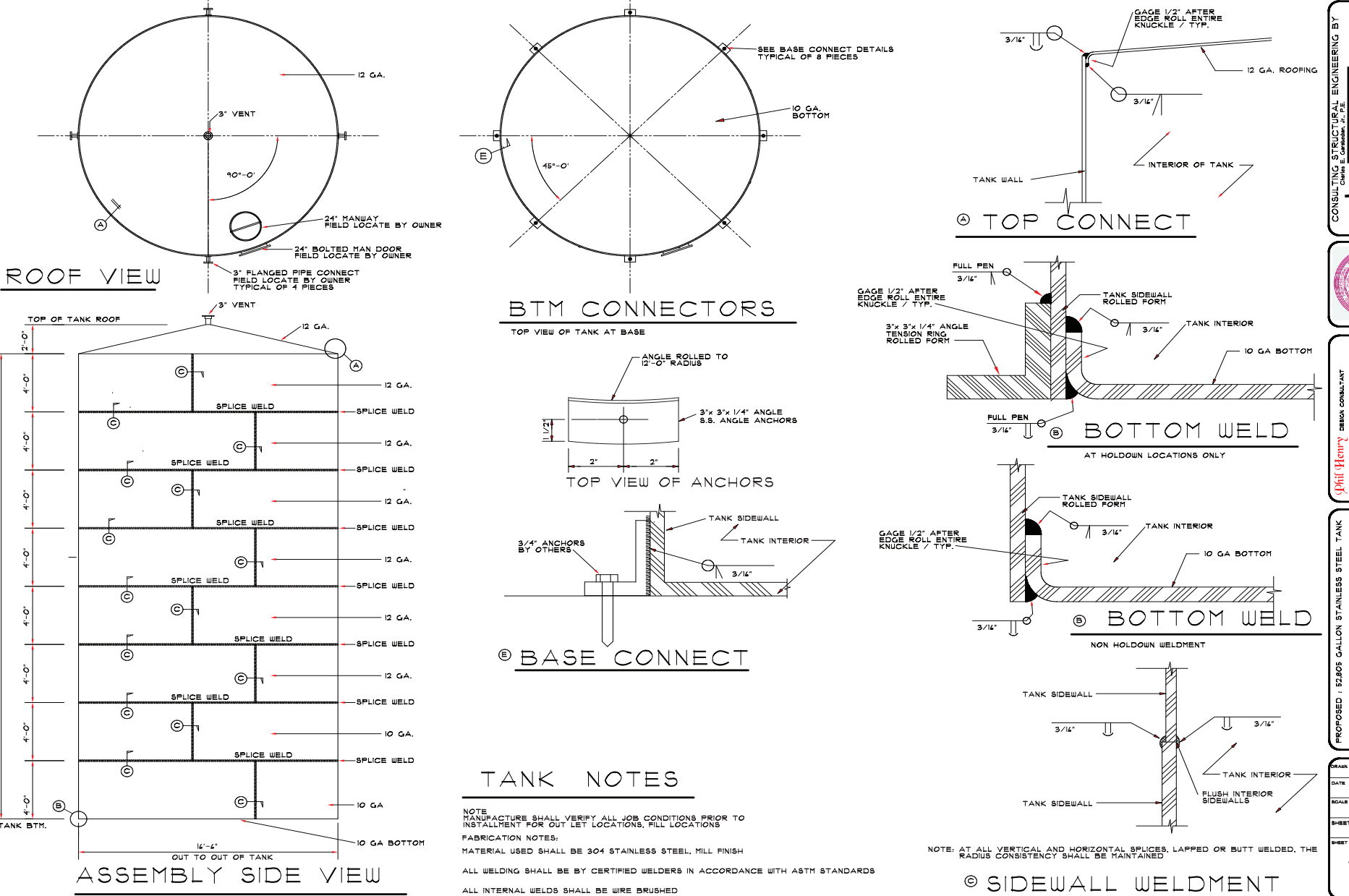
Electrical Engineering & Drawing  
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**MECHANICAL NOTES**

- ALL EQUIPMENT SHALL BE STARTED OR STOPPED FROM A DAY TIME CLOCK. A 1 HOUR BY-PASS SWITCH TO ALLOW OPERATION OF ANY A/C UNIT FROM NORMALLY SCHEDULED HOURS. A BEEP CONTAINED PROGRAMMABLE THERMOSTAT MAY BE USED IN LIEU OF A 1-DAY TIME CLOCK WITH OWNER APPROVAL.
- ALL THERMOSTATS SHALL BE OF THE AUTOMATIC CHANGE-OVER TYPE TO REQUIRE HEATING OR COOLING. SET POINT RANGE SHALL BE UP TO 10 DEGREES F.
- ALL THERMOSTAT CONTROL LISTS SHALL BE FROM 1/2" TO 1/4" IN.
- AT LEAST ONE AUTOMATIC SPACE TEMP. CONTROL DEVICE SHALL BE PROVIDED FOR EACH ZONE AND EACH SEPARATE HVAC SYSTEM AND SHALL HAVE THE CAPABILITY OF TERMINATING ALL COOLING AT A TEMP. OF NO LESS THAN 78 DEGREES F.
- ALL MATERIALS USED IN SUSPENDED CEILING AREAS USED AS PLenums SHALL HAVE MOULDED, HUMIDITY AND EROSION RESISTANT FINISHES THAT MEET THE REQUIREMENTS OF THE CALIFORNIA MECHANICAL CODE STD'S.
- WRING IN PLenums SHALL BE IN CONDUIT OR CONFORM TO THE LATEST C.E.C.
- ALL DUCT WORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS AND APPLICABLE AS DETAILED IN THE ASHRAE HANDBOOK OF RECOMMENDED PRACTICES OR THE APPLICABLE STANDARDS ADOPTED BY THE SUBMITTER, AND AN CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
- ALL SERVICE HOT WATER PIPES SHALL BE INSTALLED AS FOLLOWS AND SHALL MEET THE TITLE 24 SECTION 2-53A, TABLE 2-53A, FOR PIPE 1/2" TO 3/4" INCH (R-4) OR PIPE 1/2" TO 3/4" INCH (R-1).
- AUTOMATIC EXHAUST FAN DAMPERS SHALL BE PROVIDED PER U.L.C. LATEST EDITION.
- INSULATE ALL DUCTS ABOVE THE ROOF BY A MINIMUM OF 1/2" AND DUCTS IN THE ATTIC WITH 7" INSULATION.
- THE AIR CONDITIONING SYSTEM SHALL PROVIDE A MINIMUM OF 10 CFM AIR CHANGES PER HOUR WITH A MINIMUM OF 1/2" OF THE TOTAL AIR CFM OUTLET WITH OUTSIDE AIR.
- THE EXHAUST FANS SHALL BE RATED FOR CONTINUOUS DUTY.
- ALL HVAC EQUIPMENT USED SHALL BE LISTED AND CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION.
- MINIMUM HEATING AND COOLING EFFICIENCIES SHALL COMPLY WITH SEC. 2-53B OF TITLE 24.
- ALL GAS HEATING APPLIANCES SHALL BE EQUIPPED WITH AN INTERMITTENT IGNITION DEVICE PER SECTION 2-53C OF CEC 1-24.
- EACH HVAC ZONE SHALL BE EQUIPPED WITH AT LEAST ONE AUTOMATIC CONTROL DEVICE OR ALTERNATIVE USE PER SECTION 2-53B.1. TEMP. CONTROL SHALL MEET SECTION 2-53B.2 AND TO OPERATE AT 1 C.O.D. SEQUENTIALLY PER SECTION 2-53B.2.



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DATE: NOV 2009  
AS NOTED  
SHEET TITLE: T-1  
SHEET NUMBER