

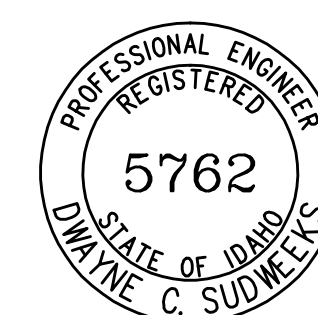
PLAN NOTES:

- ① (2) NEW 1000 GALLON LP GAS UNDERGROUND STORAGE TANKS FURNISHED BY THE OWNER COMPLETE WITH FIRST STAGE REGULATORS AND INSTALLED BY THE GENERAL CONTRACTOR. MODIFY LAWN SPRINKLER SYSTEM AS REQUIRED TO ALLOW INSTALLATION OF NEW TANKS.
- ② CONNECT LP GAS PIPING TO NEW TANKS AS SHOWN.
- ③ RUN 1ST STAGE GAS PIPING UNDERGROUND TO BUILDING AS SHOWN.
- ④ INSTALL NEW LP GAS PIPING RUNNING UNDER SIDEWALKS AND DRIVENWAYS IN SCHEDULE 40 PVC SLEEVE. SLEEVE MINIMUM 2 PIPE SIZES LARGER THAN PIPING.
- ⑤ FOR CONTINUATION OF LP GAS PIPING SEE MECHANICAL FOUNDATION PLAN ON THIS SHEET.
- ⑥ FOR CONTINUATION OF LP GAS PIPING SEE PARTIAL SITE PLAN ON THIS SHEET.
- ⑦ RISE LP GAS PIPING TO 2ND STAGE REGULATOR FOR CONTINUATION SEE MECHANICAL MAIN LEVEL PLAN ON SHEET M2.2.
- ⑧ RUN PIPING THRU FOUNDATION WALL. UTILIZE EXISTING OPENINGS WHEREVER POSSIBLE.
- ⑨ RISE 1-1/4" LP GAS PIPING TO UPPER LEVEL. FOR CONTINUATION OF PIPING SEE SHEETS M2.2 AND M2.3.
- ⑩ INSTALL NEW LP GAS DETECTION SENSOR ON WALL NEAR FLOOR AND UNINTERRUPTED POWER SUPPLY HIGH ON WALL AS SHOWN. INSTALL A 1" NORMALLY CLOSED SOLENOID VALVE IN NEW LP GAS LINE AND CONNECT TO LP GAS DETECTION SYSTEM.
- ⑪ 1-1/4" CONDENSATE DRAIN AND 1-1/4" AUXILIARY DRAIN PIPING DOWN FROM FURNACE SYSTEMS LOCATED ON UPPER LEVEL ABOVE. RUN AS SHOWN TO SUMP IN OLD BOILER ROOM. FOR CONTINUATION OF PIPING SEE SHEETS M2.2 AND M2.3.
- ⑫ 3/4" CONDENSATE DRAIN PIPING DOWN FROM FURNACE SYSTEM ABOVE. RUN AS SHOWN TO SUMP IN OLD BOILER ROOM. FOR CONTINUATION OF PIPING SEE SHEET M2.2.
- ⑬ RISE REFRIGERANT PIPING UP TO UPPER BOILER ROOM AND RUN TO CONDENSING UNITS. FOR CONT. OF PIPING SEE SHEETS M2.2 AND M2.3.
- ⑭ RISE FLUE PIPING FROM FURNACE SYSTEM TO NEW VERTICAL VENT TERMINAL ASSEMBLY AT ROOF AND CONNECT. FOR CONTINUATION OF PIPING SEE SHEETS M2.2 AND M2.3.
- ⑮ INSTALL NEW CONDENSATE PUMP IN EXISTING TUNNEL. RUN 1/2" PUMPED CONDENSATE DISCHARGE PIPING UP INTO NEW MECHANICAL ROOM ABOVE AND CONNECT TO WASTE PIPING AT OLD SACRAMENT SINK ROUGH IN WITH P-TRAP.
- ⑯ INSTALL NEW GAS FIRED SEPARATED COMBUSTION UNIT HEATER AT CEILING OF MECHANICAL ROOM. CONNECT TO NEW LP GAS PIPING AND WALL MOUNTED THERMOSTAT. SEE DETAIL ON SHEET M4.2.
- ⑰ RUN 4" INTAKE AND EXHAUST VENT PIPING TO EXTERIOR WALL FROM UNIT HEATER AS SHOWN. INSTALL HORIZONTAL VENT TERMINAL ASSEMBLY AND CONNECT.
- ⑱ CONNECT NEW FURNACE TO T-1350 CONTROL SYSTEM.
- ⑲ MOUNT NEW T-1350 THERMOSTAT ON WALL NEXT TO NEW FURNACE AND CONNECT TO NEW FURNACE SYSTEM, CONDENSING UNIT REMOTE SENSOR AND COMMUNICATING SYSTEM FROM WEBSAT.
- ⑳ INSTALL NEW T-451 THERMOSTAT ON WALL AND CONNECT TO NEW UNIT HEATER. SET AT 60°F.
- ㉑ CONNECT NEW RETURN AIR DUCT TO SIDE OF FURNACE, RISE TO CEILING RUN ACROSS ROOM AND DROP AS SHOWN BESIDE STAIR AS FAR AWAY FROM EXISTING ELECTRICAL PANEL AS POSSIBLE. RUN RETURN AIR DUCT UNDER STAIR INTO TUNNEL AS SHOWN.
- ㉒ BOOT UP TO FLOOR GRILLE ABOVE WITH INSULATED SOUND BOOT. SEE DETAIL ON SHEET M4.2.
- ㉓ DUCT DOWN FROM ABOVE OPEN TO TUNNEL.
- ㉔ INSTALL DUCT THRU FLOOR INTO TUNNEL FULL SIZE OF OPENING IN BOTTOM OF FURNACE.
- ㉕ INSTALL NEW SHEET METAL PARTITION IN TUNNEL AND SEAL AIRTIGHT.
- ㉖ INSTALL SHEET METAL PARTITION IN TUNNEL WITH 30x30 HINGED ACCESS DOOR. SEAL PIPE PENETRATIONS AIRTIGHT.
- ㉗ EXTERIOR WALLS OF TUNNEL USED FOR RETURN AIR TO BE CLEANED AND INSULATED WITH 1" THICK BLUE BOARD INSULATION.
- ㉘ EXISTING TUNNEL SPACE ACCESS TO REMAIN.
- ㉙ RUN NEW 10x8 OA DUCT FROM EXISTING OUTSIDE LOUVER TO RETURN AIR DUCT AS SHOWN WITH HAND DAMPER, ACCESS PANEL AND MOTORIZED DAMPER. BALANCE HAND DAMPER TO CFM SHOWN IN OUTSIDE AIR BALANCE SCHEDULE AND CONNECT MOTORIZED DAMPER TO AUX. RELAY AT T-1350 THERMOSTAT.
- ㉚ EXISTING WELL TO REMAIN.
- ㉛ PROTECT EXISTING WATER PIPING AND ELECTRICAL SERVICE CONDUIT AND WIRING RUNNING TO BUILDING WHEN INSTALLING UNDERGROUND LP GAS STORAGE TANKS AND NEW LP GAS PIPING. FIELD VERIFY EXACT LOCATION OF EXISTING WATER PIPING AND ELECTRICAL CONDUIT AND WIRING.

GENERAL NOTES:

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECH. CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATION WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
 DATE ORIGINAL SIGNED: JULY 1, 2010
 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
 315 WEST CENTER, POCAHELLO, IDAHO 83204



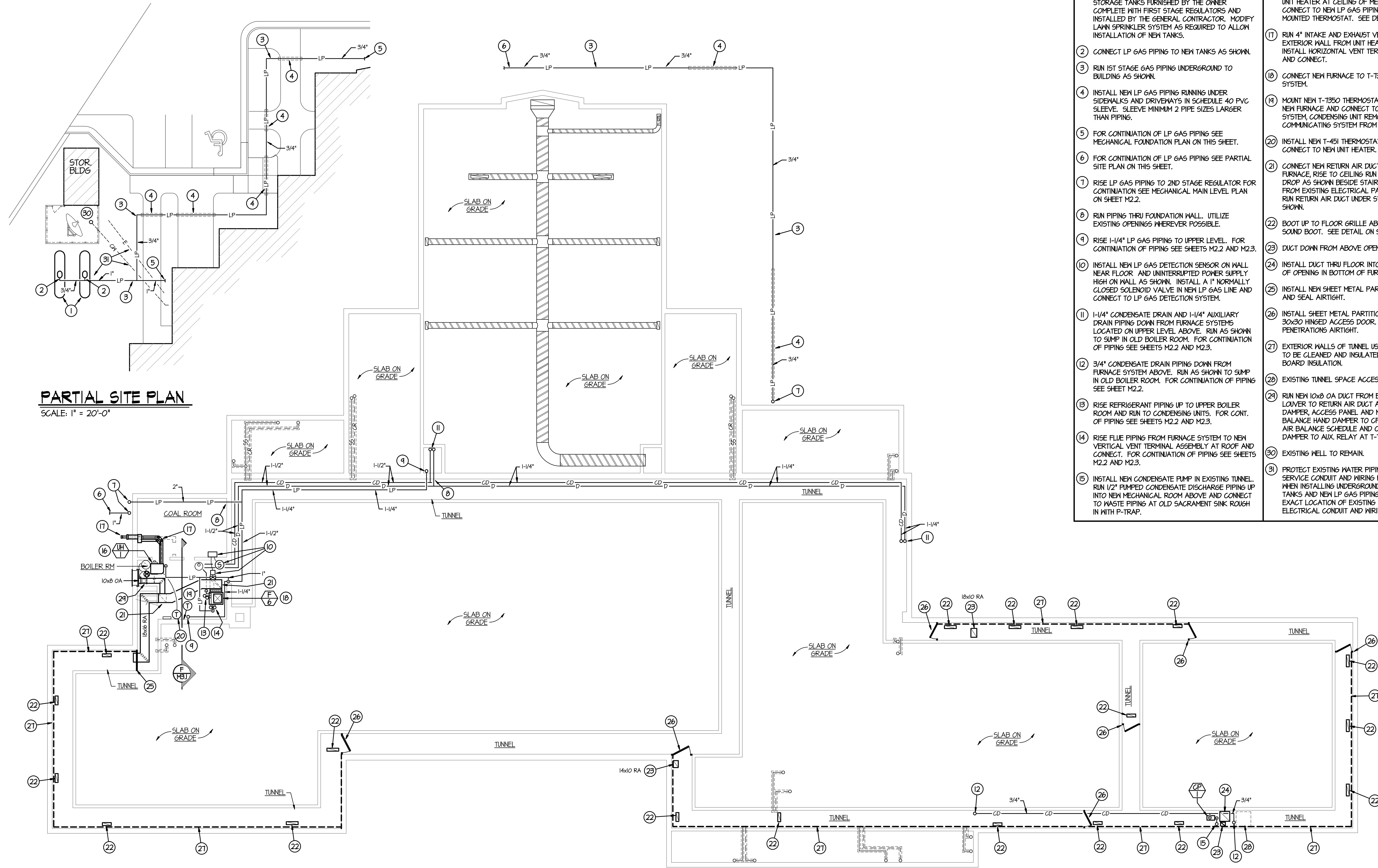
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 PHONE: (208) 233-0501
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 ESA JOB NUMBER: 10040

PROJECT NO.: 1035-1508
 DATE: JULY 2010
 DRAWN BY: SDB
 CHECKED BY: DCS
 DRAWING NO.:

M2.1

nbw architects p.a.
 ARCHITECTURE / PLANNING / INTERIORS
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MODIFICATIONS TO:
PALISADES WARD HVAC FA
 AIRIE IDAHO STAKE
MECHANICAL FOUNDATION PLAN



PARTIAL SITE PLAN
 SCALE: 1" = 20'-0"

FOUNDATION PLAN - MECHANICAL
 SCALE: 1/8" = 1'-0"

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