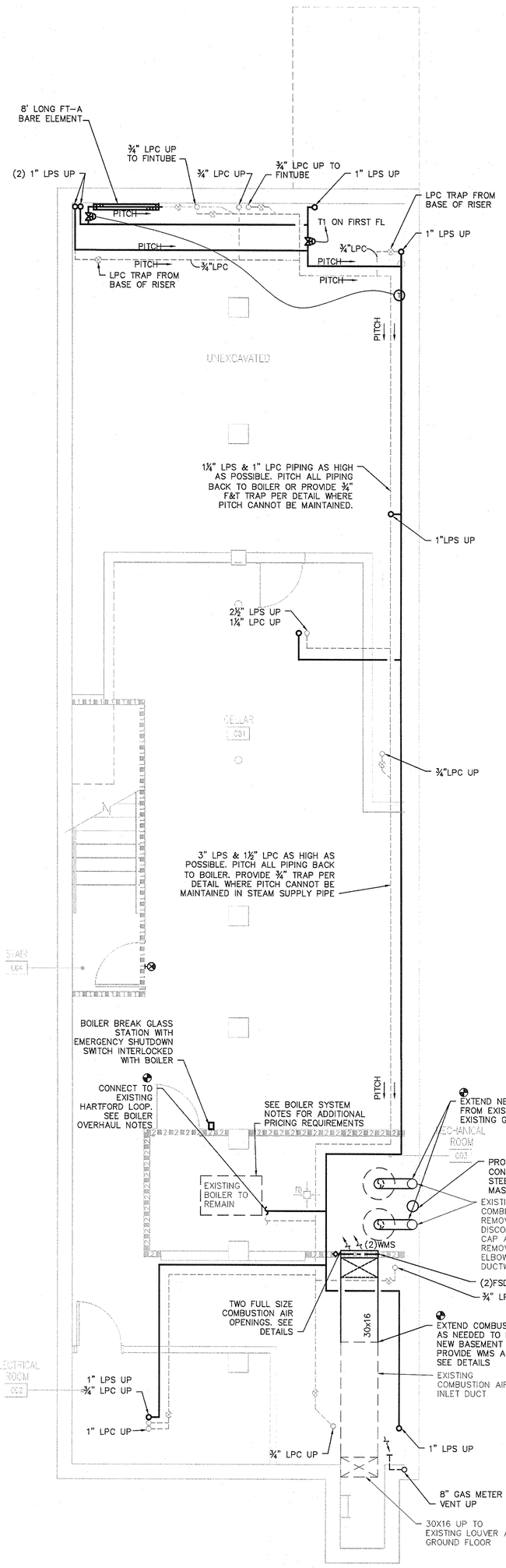
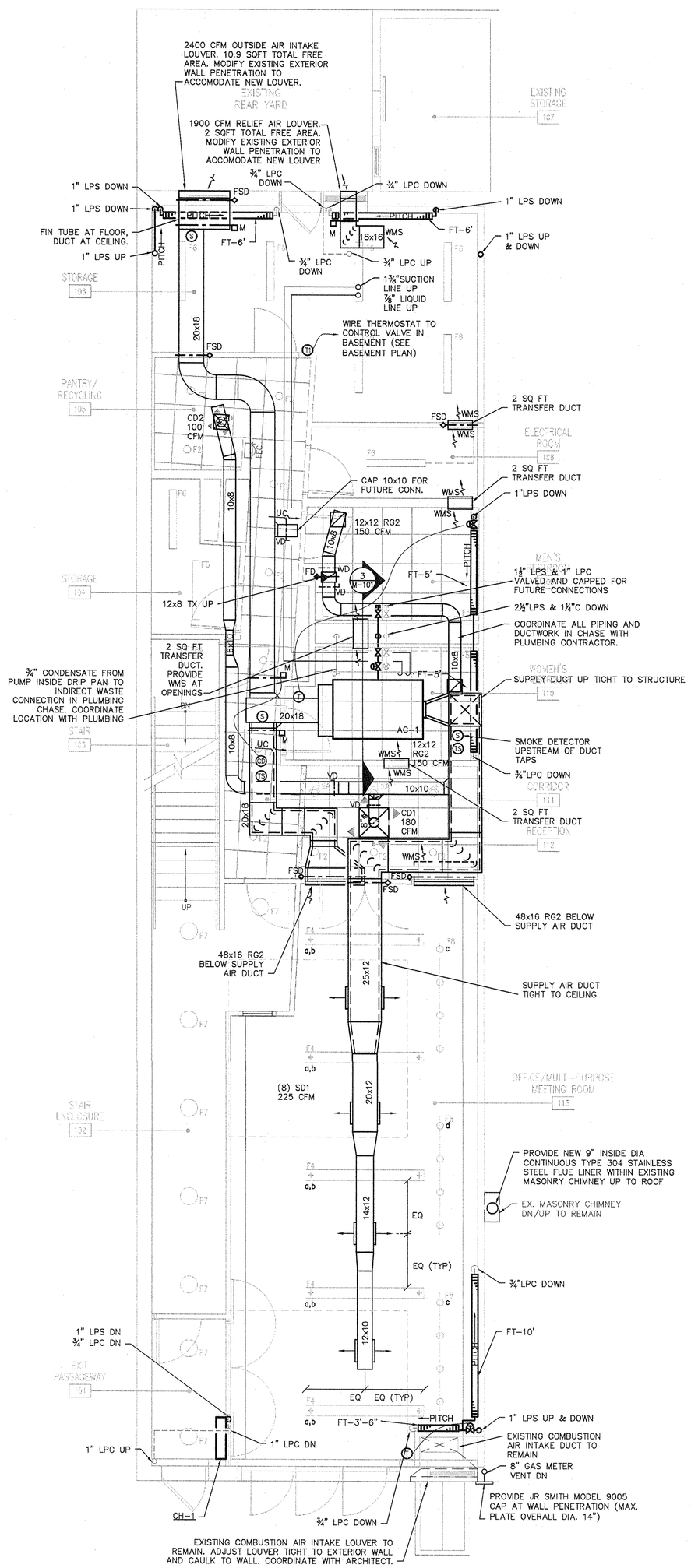


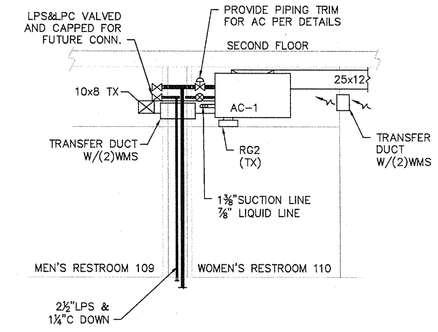
1 CELLAR LEVEL HVAC CONSTRUCTION PLAN

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



2 FIRST FLOOR HVAC CONSTRUCTION PLAN

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



3 HVAC EQUIPMENT SECTION VIEW

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

BOILER SYSTEM NOTES:
1. REMOVE ALL EXISTING LPS & LPC PIPING, AND CONTROLS SPECIFIC TO SINGLE PIPE FUNCTION INCLUDING OUTSIDE AIR TEMPERATURE BASED STEAM TIMER. MAINTAIN HARTFORD LOOP PIPING AND REPAIR FOR RECONNECTION AND REUSE IN NEW TWO PIPE STEAM SYSTEM.
2. PROVIDE NEW STAND-ALONE BOILER CONTROL SYSTEM TO SENSE OUTSIDE AIR TEMPERATURE AND ACTIVATE BOILER WHEN AMBIENT TEMPERATURE IS BELOW 60DEG F (ADJUSTABLE). BOILER SHALL MAINTAIN 5 PSI STEAM PRESSURE AT ALL TIMES WHEN OUTSIDE AIR TEMPERATURE IS BELOW SETPOINT. BURNER SHALL MODULATE OR CYCLE TO MAINTAIN PRESSURE.
3. LPS CONTROL VALVES SHALL MODULATE TO CONTROL SPACE TEMPERATURE SETPOINT AT THERMOSTAT IN AREAS SERVED. SEE DETAILS FOR CONTROL VALVE, RADIATOR, FINTUBE AND PIPING SPECIFICATIONS. SEE PLANS FOR T-STAT LOCATIONS. COORDINATE EXACT LOCATION WITH ARCHITECT.
4. NEW LPS & LPC PIPING SHALL BE 1½" MIN, EXCEPT WHERE NOTED.
5. CONTRACTOR SHALL CONDUCT A SMOKE TEST IN ACCORDANCE WITH THE REQUIREMENTS OF NYC BC CHAPTER 21, SECTION 2113.22. ON THE EXISTING CHIMNEY(S) AND MAKE REPAIRS TO BEING THE CHIMNEY INTO COMPLIANCE.
6. VERIFY THAT THE EXISTING BOILER IS NOT LEAKING. PROVIDE A PRESSURE TEST TO THE MANUFACTURER'S RECOMMENDED OPERATING PRESSURE.
7. PROVIDE FULL MANUFACTURER RECOMMENDED START UP OF THE BOILER. VERIFY THAT THE BOILER IS CAPABLE OF PRODUCING AND MAINTAINING 5 PSI STEAM PRESSURE. VERIFY THAT THE BOILER IS FIRING TO ITS NAMEPLATE CAPACITY. PROVIDE MANUFACTURER REPORT INDICATING THAT ALL TESTS HAVE BEEN PERFORMED IN COMPLIANCE WITH THEIR SPECIFICATIONS.
8. STARTUP TESTING PROCEDURES FOR EXISTING REUSED EQUIPMENT.
9. PROVIDE A LIST OF POSSIBLE PARTS REQUIRING REPLACEMENT AND A UNIT COST FOR EACH.
10. CONTRACTOR TO PROVIDE AN ALTERNATE COST TO REPLACE THE EXISTING STEAM BOILER WITH A WEIL-MCLAIN EG-65 STEAM BOILER OR APPROVED EQUAL. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

GENERAL NOTES:
1. PROVIDE CONTINUOUS 1 SQFT MIN RETURN AIR PATH FROM EACH SPACE TO RETURN DUCT SERVING THAT SPACE.
2. PROVIDE 1" ACOUSTICAL LINING 20' FROM ALL FANS AND AS SHOWN ON PLANS.
3. CONTRACTOR SHALL CONDUCT A SMOKE TEST IN ACCORDANCE WITH THE REQUIREMENTS OF NYC BC CHAPTER 21, SECTION 2113.22. ON THE EXISTING CHIMNEY(S).
4. HEATING THERMOSTATS SHALL BE SET TO 5 DEG F LOWER THAN COOLING (AC UNIT) THERMOSTAT SETPOINT.

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

Project
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Prepared for
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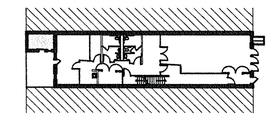
Key Plan



BLOCK: 414
LOT: 61

Professional Seals

It is a violation of the law of the State of New York for any person, unless acting under the direction of a licensed architect, to alter any item on these drawings.

No.	Issue Description	MM-DD-YYYY
1	ISSUED FOR FILING	06-14-2012
2	ISSUED FOR BID	07-20-2012

No.	Revision Description	MM-DD-YYYY

B-Scan

Drawn by AW Reviewed by EP
Project No 79.07250.09
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CAPIS ID PV467BPHL

Sheet Title
CELLAR AND FIRST FLOOR HVAC CONSTRUCTION PLANS

Sheet Number
M-101.00

Sheet 4 of 8
Original drawing is 42 x 30 Do not scale contents of this drawing

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