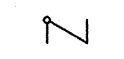
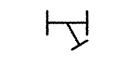





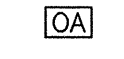

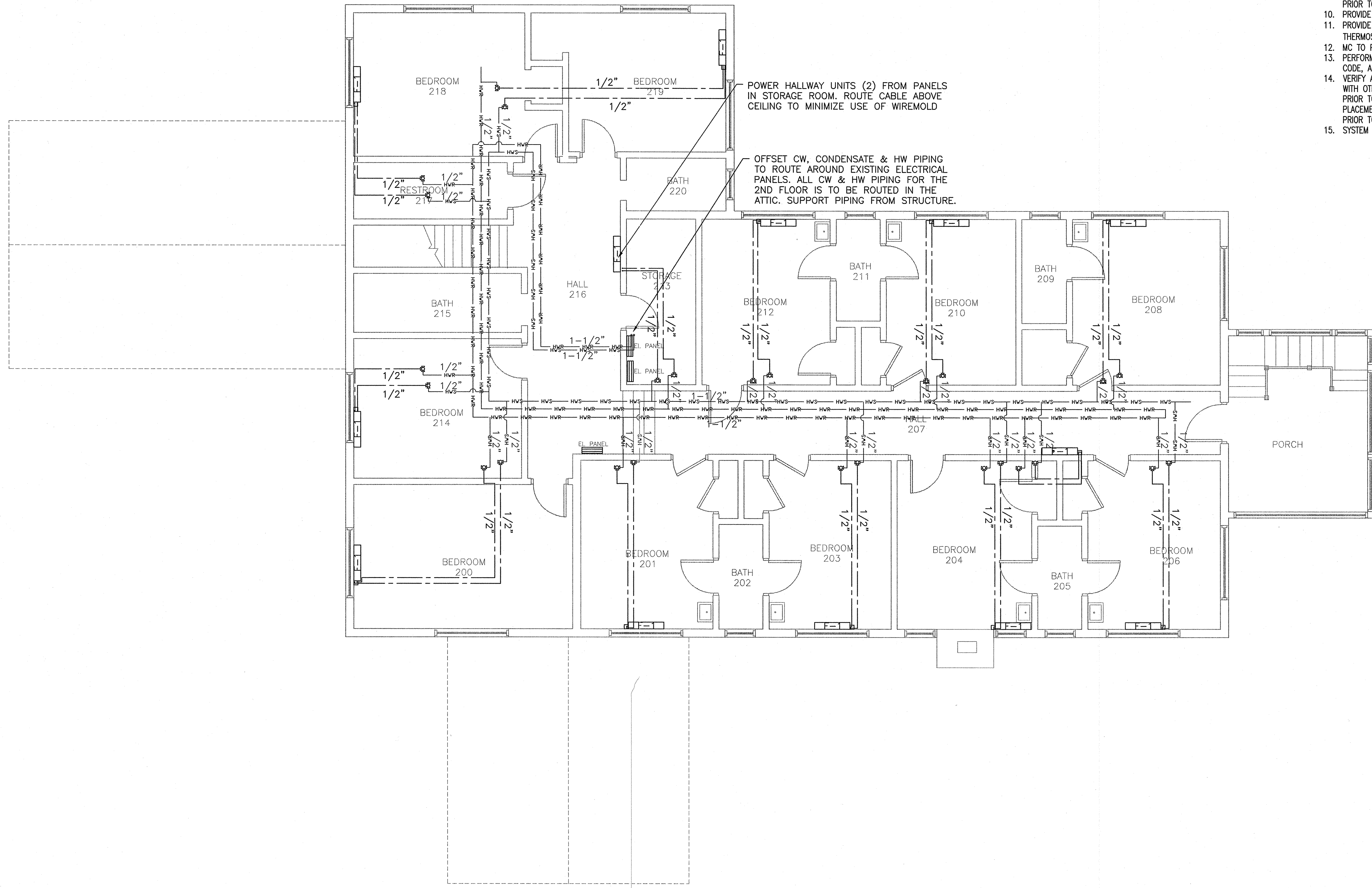
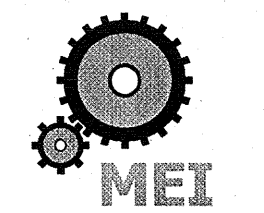


MECHANICAL LEGEND

-  CHECK VALVE
-  STRAINER
-  BALL VALVE (TO MATCH PIPE SIZE)
-  3-WAY CONTROL VALVE (MATCH PIPE SIZE)
- AS AIR SEPARATOR (AS SCHEDULED)
- ET EXPANSION TANK (AS SCHEDULED)
-  DRAIN VALVE
-  PUMP (AS SCHEDULED)
-  NON-FUSED DISCONNECT
-  O.A. TEMPERATURE SENSOR
-  THERMOSTAT (BY FAN COIL MFR - SEE DETAIL)

GENERAL MECHANICAL NOTES

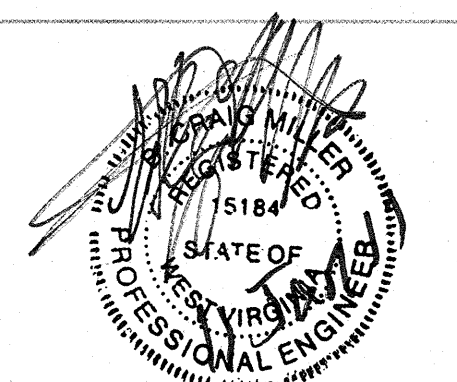
1. EXPOSED LP PIPING IS TO BE P40 STEEL WITH BLACK IRON FITTINGS. PROVIDE WELDED GAS PIPING BY SIZE AS REQUIRED BY FUEL GAS CODE.
2. COPPER PIPING WILL BE TYPE M, SWEAT, OR PROGRESS. PEX PIPING WILL BE OXYGEN BARRIER w/ STAINLESS STEEL BANDS. DRAIN PIPING WILL BE P40 DWV PVC.
3. ON ALL LP PIPING: PROVIDE STOPS AT ALL FIXTURES. USE BALL VALVES AT TAPS. PROVIDE UNIONS, DIRT LEGS, AND REGULATORS ON ALL EQUIPMENT.
4. COORDINATE ALL STUB-UPS AND FIELD-ADJUST LOCATIONS FOR COORDINATION AS NECESSARY. AVOID EXCESSIVE ADDITIONAL PIPE FITTINGS.
5. DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL OBSTRUCTIONS. CONTRACTOR IS TO PROVIDE FITTINGS, HANGERS, ETC AS NECESSARY TO PROVIDE A COMPLETE SYSTEM.
6. PROVIDE ALL PIPING AND FITTINGS AS REQUIRED FOR INSTALLATION OF MECHANICAL AND EQUIPMENT SUCH AS AIR HANDLING UNITS, BOILERS, FAN COILS, ETC.
7. ALL PIPING IN BASEMENT CRAWL SPACE IS TO BE HUNG FROM STRUCTURE ABOVE AT 32" ON INTERVALS. CONDENSATE DRAINS ARE TO SLOPE TO DRAIN (MIN 1/8" SLOPE). PUMPED CONDENSATE TUBING IS TO BE INSULATED ALONG SIDE HOT WATER RETURN LINE, TO PREVENT FREEZING OF STANDING CONDENSATE.
8. PIPING IS TO BE CONCEALED AND ROUTED WITH AS LITTLE DESTRUCTION OF BUILDING AS POSSIBLE. PIPING CHASES TO FAN COILS ARE TO BE BOXED IN WITH FINISH TO MATCH EXISTING FINISH OF EACH INDIVIDUAL ROOM. (TYP-PINE TONGUE & GROOVE). INSULATE PIPING WITH 1/2"-3/4" ARMAFLEX FOAM INSULATION PER MFR REQUIREMENTS.
9. VERIFY ALL FIELD CONDITIONS AND MEASUREMENTS PRIOR TO BIDDING. COORDINATE ALL WORK WITH OTHER TRADES. COORDINATE ALL CEILING MOUNTED DEVICES WITH ALL OTHER TRADES PRIOR TO INSTALLATION. FIRESTOP ALL PENETRATIONS OF FIRE WALLS AND FLOORS.
10. PROVIDE ISOLATION VALVES TO ALL EQUIPMENT FOR SERVICEABILITY.
11. PROVIDE LOCKABLE PLASTIC COVERS WITH EACH THERMOSTAT/SENSOR IN PUBLIC AREAS. FINAL THERMOSTAT LOCATION BY OWNER ON INTERIOR WALLS. STAT HEIGHT: 60" AFF.
12. MC TO PROVIDE ALL MECHANICAL EQUIPMENT & DISCONNECTS, INSTALLED BY EC.
13. PERFORM WORK IN ACCORDANCE WITH CURRENT INTERNATIONAL MECHANICAL CODE, FUEL GAS CODE, ASHRAE, SMACNA, STATE AND LOCAL CODES AND REQUIREMENTS.
14. VERIFY ALL FIELD CONDITIONS AND MEASUREMENTS PRIOR TO BIDDING. COORDINATE ALL WORK WITH OTHER TRADES. COORDINATE ALL CEILING MOUNTED DEVICES WITH ALL OTHER TRADES PRIOR TO INSTALLATION. FINAL COORDINATION OF SCOPE OF WORK, DIMENSIONS, FIXTURE PLACEMENT, ROUTINGS, ETC IS THE RESPONSIBILITY OF THE GC AND ALL SUB CONTRACTORS PRIOR TO BIDDING.
15. SYSTEM FLUID WILL BE 30% ETHYLENE GLYCOL. SYSTEM PRESSURE IS 15 PSI

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CONSULTANTS

SEAL



PROJECT NAME:

CACAPON OLD INN - HVAC RENOVATION

OWNER:

WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES

BIDDING DOCUMENTS

ADD#1	01-11-11	M-1.3A	REV
MARK	DATE	DESCRIPTION	

PROJECT NO: 08019
CAD DWG FILE: XX_TB22X34.DWG
DRAWN BY: bcm/SLM
CHK'D BY: BCM
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SHEET TITLE
SECOND FLR HW PIPING PLAN

SHEET NUMBER

M-1.3A