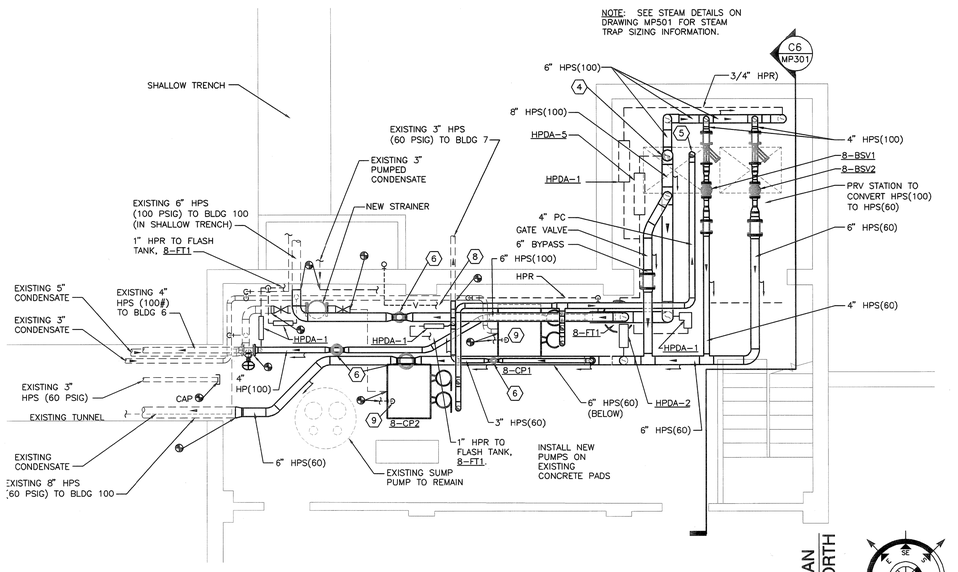
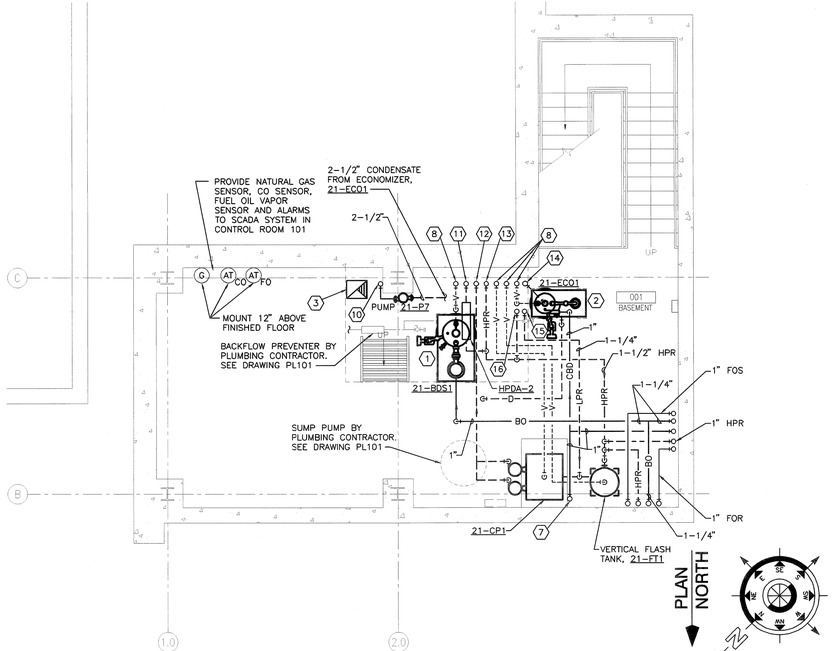


F2 PARTIAL BUILDING 8 BASEMENT MECHANICAL PLAN

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



F7 BUILDING 21 BASEMENT MECHANICAL PLAN

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

100% CONSTRUCTION DOCUMENTS

GENERAL NOTES

A. REFER TO DRAWING MP001 FOR TYPICAL SYMBOLS AND ABBREVIATIONS USED ON THIS DRAWING.

B. ALL STEAM PIPING SHALL COME OFF TOP OF MAIN STEAM PIPE.

C. ALL STEAM AND CONDENSATE PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH ASTM B 31.

D. VALVES LOCATED ABOVE 7 FEET SHALL BE PROVIDED WITH CHAIN OPERATORS.

E. ALL CONCRETE PADS BY G.C.

DRAWING KEYNOTES (X)

1. BOILER BLOWDOWN AND FLASH TANK PROVIDE 36" CLEAR ON ALL SIDES.
2. ECONOMIZER BLOWDOWN AND FLASH TANK
3. 16x14 OPEN-END EXHAUST DUCT UP TO FIRST FLOOR AND DOWN TO 6" AFF. COVER OPEN END WITH 1/2" x 1/2" GALVANIZED HARDWARE CLOTH. (SEE DRAWING MP102 FOR CONTINUATION.)
4. NEW 8" HIGH PRESSURE STEAM FROM BUILDING 21, NEW BOILER PLANT. (SEE DRAWING MS101 FOR CONTINUATION.)
5. NEW 4" PUMPED CONDENSATE TO BUILDING 21, NEW BOILER PLANT. (SEE DRAWING MS101 FOR CONTINUATION.)
6. PROVIDE NEW VORTEX STEAM FLOW METER.
7. 1" CONTINUOUS BLOWDOWN FROM NEW BOILER, 21-B1. (SEE DRAWING MP102 FOR CONTINUATION.)
8. FULL SIZE VENT PIPE.
9. CONNECT NEW CONDENSATE PUMPS, 8-CP1 AND 8-CP2 TO EXISTING 2" VENT PIPING.
10. 1-1/2" PUMPED CONDENSATE FROM INLINE PUMP, 21-P7 UP TO FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)
11. 1" HIGH PRESSURE CONDENSATE RETURN FROM FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)
12. 1-1/2" PUMPED CONDENSATE FROM CONDENSATE PUMP, 21-CP1 UP TO FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)
13. HPR TO FLASH TANK, 21-FT1 FROM FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)
14. 1-1/2" LPS FROM BLOWDOWN ECONOMIZER, 21-ECO1 UP TO FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)
15. 1-1/4" LPR FROM FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)
16. 1-1/4" HPR FROM FIRST FLOOR. (SEE DRAWING MP102 FOR CONTINUATION.)

COORDINATION DRAWINGS

THE MECHANICAL CONTRACTOR SHALL TAKE THE LEAD IN PREPARATION OF COORDINATION DRAWINGS. SUCH DRAWINGS SHALL BE ARRANGED AND DESIGNED THROUGH AND FROM COORDINATION WITH ALL OTHER MAJOR AND MINOR SUBCONTRACTORS AND THE GENERAL CONTRACTOR. PROVIDE PLAN VIEWS, SECTIONS AND ELEVATIONS AS REQUIRED TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS. DRAW TO SCALE (AT NOT LESS THAN 3/8" = 1'-0"). DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO: ALL WALL RATINGS; ALL DUCTWORK; ALL AIR DISTRIBUTION; MECHANICAL EQUIPMENT; MECHANICAL PIPING; FIRE PROTECTION PIPING; ALL PLUMBING PIPING; CABLE TRAYS (WITH ELEVATIONS NOTED); LIGHTING FIXTURES (WHEN CEILING MOUNTED); CEILING GRID AND CEILING HEIGHT; MAJOR BEAMS AND JOISTS (WITH ELEVATIONS MARKED); FIRE ALARM DEVICES AND SPEAKERS (WHERE CEILING MOUNTED); ELECTRICAL CONDUITS LARGER THAN 2-INCH DIAMETER; ELECTRICAL BUSWAY AND REQUIRED CLEARANCES; EQUIPMENT PROVIDED BY OTHERS THAT PROTRUDE INTO CEILING CAVITIES OR IMPEDE THE LOCATION OR ACCESS TO ABOVE CEILING PIPING, DUCTWORK OF OTHER EQUIPMENT. SECTIONS SHALL BE CUT THROUGH AREAS SHOWING MATERIALS AND SYSTEMS OF ALL CONTRACTS. IF THERE ARE ANY OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH THE ARCHITECT AND/OR ENGINEER (THROUGH THE VA COTR) FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN. IT IS IMPORTANT TO NOTE THAT FABRICATION CANNOT BEGIN UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED. ANY MATERIAL, EQUIPMENT, SYSTEMS, ETC., PROCUREMENT OR INSTALLATION COMMENCED PRIOR TO APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK AND MAY HAVE TO BE MODIFIED, MOVED AND/OR RECONFIGURED AT THE CONTRACTORS COST.

REVISION NO.	REVISION DESCRIPTION	By	Date

Revisions

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HSH PROJECT # 17015

Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: BASEMENT MECHANICAL PLANS

★ BUILDING IS FULLY SPRINKLERED ★

Project Title: REPLACE BOILER PLANT/ COGEN/CHP

Date: APRIL 10, 2012

Project Number: 544-11-101

Drawn	Building Number	AutoCAD File Name	DRAWING No.
DWS	21		MP101
Checked	Reviewed	Const. Contract No.	

Veterans Affairs