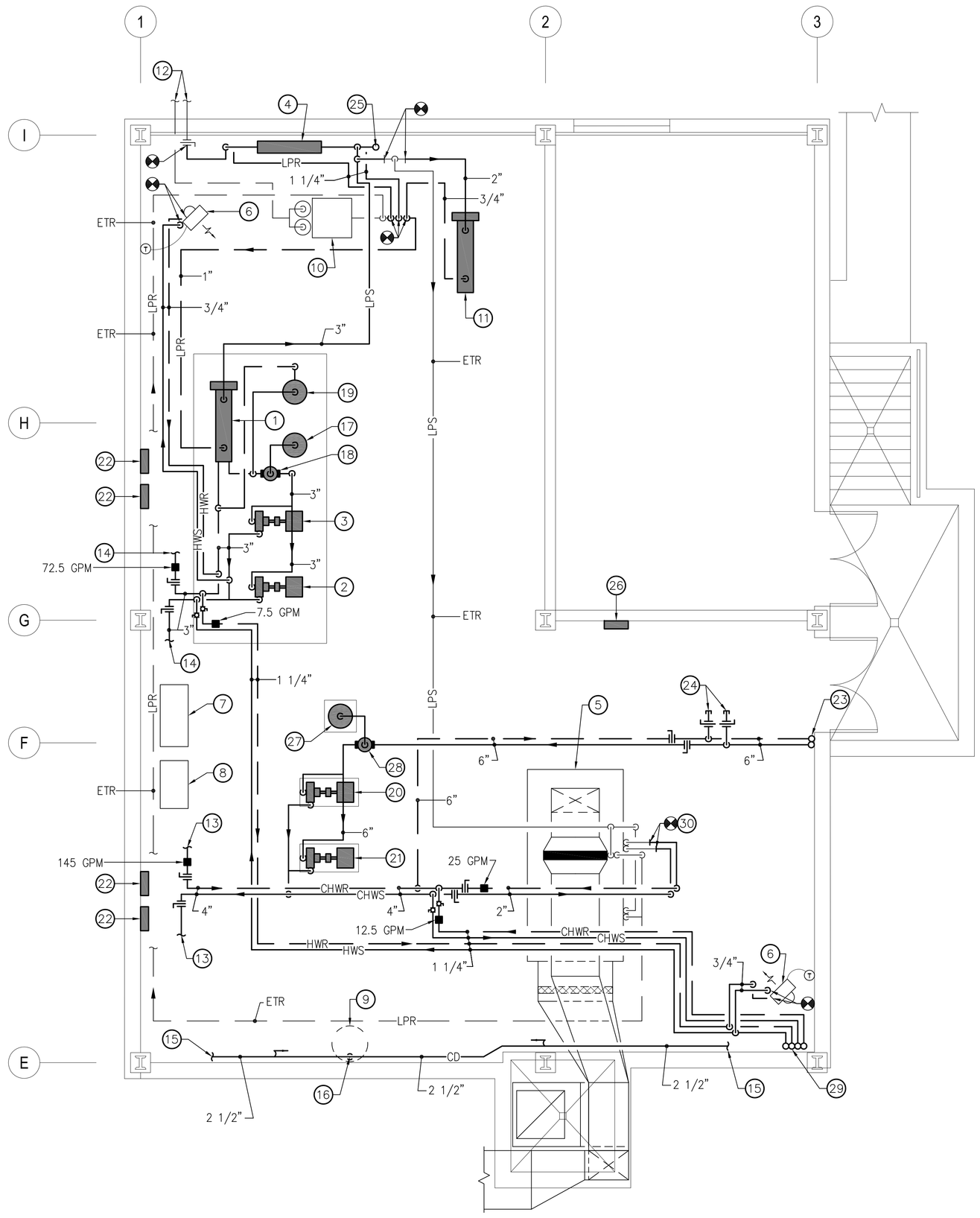


1 / 69-H7 **BASEMENT FLOOR PLAN - HAVC PIPING - NEW WORK**

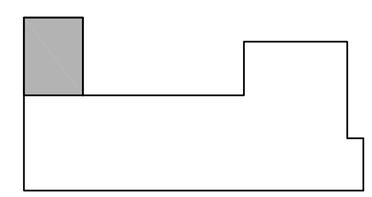
SCALE: 1/4" = 1'-0"

DRAWING NOTES:

1. STEAM-TO-HOT WATER HEAT EXCHANGER HX-1 MOUNTED ON STRUCTURAL SUPPORTS ON EXISTING CHILLER PAD.
2. HEATING WATER PUMP HWP-1 MOUNTED ON EXISTING CHILLER PAD.
3. HEATING WATER PUMP HWP-2 (STAND-BY) MOUNTED ON EXISTING CHILLER PAD.
4. PRV-1 PRESSURE REDUCING STATION CAPABLE OF REDUCING INCOMING STEAM PRESSURE FROM 100 PSI DOWN TO 20 PSI. MOUNT SECURELY TO BUILDING EXTERIOR WALL.
5. EXISTING VENTILATION AIR HANDLING UNIT TO REMAIN. PROVIDE WITH NEW VFD AND REBALANCE AIRFLOW DOWN TO 3500 CFM. REBALANCE CHILLED WATER TO UNIT DOWN TO 25 GPM.
6. EXISTING UNIT HEATER TO REMAIN.
7. EXISTING ATC PANEL TO REMAIN.
8. EXISTING ATC AIR COMPRESSOR TO REMAIN.
9. EXISTING SUMP PUMP TO REMAIN.
10. EXISTING CONDENSATE REMOVAL PUMP TO REMAIN.
11. DOMESTIC HOT WATER HEAT EXCHANGER HX-2 MOUNTED ON STRUCTURAL SUPPORTS. CONNECT TO EXISTING DOMESTIC WATER PIPING IN THIS AREA.
12. EXISTING INCOMING 3" HPS AND 1" HPR PIPING TO REMAIN.
13. REFER TO DRAWING 69-H6 FOR CONTINUATION OF 4" CHWS/R PIPING.
14. REFER TO DRAWING 69-H6 FOR CONTINUATION OF 3" HWS/R PIPING.
15. REFER TO DRAWING 69-H6 FOR CONTINUATION OF CONDENSATE PIPING.
16. 2 1/2" CONDENSATE FROM FAN COIL UNITS DOWN TO EXISTING SUMP PUMP. SECURE PIPING TO WALL.
17. EXPANSION TANK EXP-1 MOUNTED ON EXISTING CHILLER PAD.
18. AIR SEPARATOR AS-1.
19. CHEMICAL TREATMENT FEEDER TANK MOUNTED ON EXISTING CHILLER PAD..
20. CHILLED WATER PUMP CHWP-1 MOUNTED ON CONCRETE HOUSEKEEPING PAD.
21. CHILLED WATER PUMP CHWP-2 (STAND-BY) MOUNTED ON CONCRETE HOUSEKEEPING PAD.
22. PUMP VARIABLE FREQUENCY DRIVE.
23. 6" CHWS/R PIPING UP. REFER TO DRAWING 69-H6 FOR CONTINUATION.
24. 4" CHWS/R PIPING VALVED AND CAPPED FOR FUTURE EXPANSION.
25. 4" STEAM VENT UP THROUGH ROOF. CONTRACTOR TO COORDINATE EXACT LOCATION WITH OTHER DISCIPLINES.
26. VFD ASSOCIATED WITH EXISTING VENTILATION AIR HANDLING UNIT.
27. EXPANSION TANK EXP-2 MOUNTED ON 4" HOUSEKEEPING PAD.
28. AIR SEPARATOR AS-2.
29. 1 1/4" CHWS/R AND 1" HWS/R PIPING UP.
30. CONNECT 2" CHILLED WATER PIPING TO EXISTING PIPING PRIOR TO EXISTING VALVING AND CONTROLS.

GENERAL NOTES:

1. REFER TO 69-H1 FOR MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. RECONFIGURE EXISTING SPRINKLER PIPING AS REQUIRED TO ACCOMMODATE NEW WORK. REFER TO DRAWING 69-H1 FOR GENERAL SPRINKLER NOTES.
3. COORDINATE WITH COTR AND OTHER DISCIPLINES FOR ASBESTOS REMOVAL.



KEY PLAN
NO SCALE

Revisions	Date

Consultants

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Drawing Title: BASEMENT FLOOR PLAN HVAC PIPING NEW WORK	Project Title: BUILDING 69 HVAC UPGRADE	Date: MARCH 14, 2012	
		Project No.: 542-09-102	
Approved: Facilities Engineering Service Chief	Building Number: 69 / Checked: MAF / Drawn: ERS	DRAWING NO.: 69-H7	
Approved: Medical Center Director	Location: COATESVILLE, PENNSYLVANIA	Dwg. 12 Of 22	

DEPARTMENT OF VETERANS AFFAIRS

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three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot
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