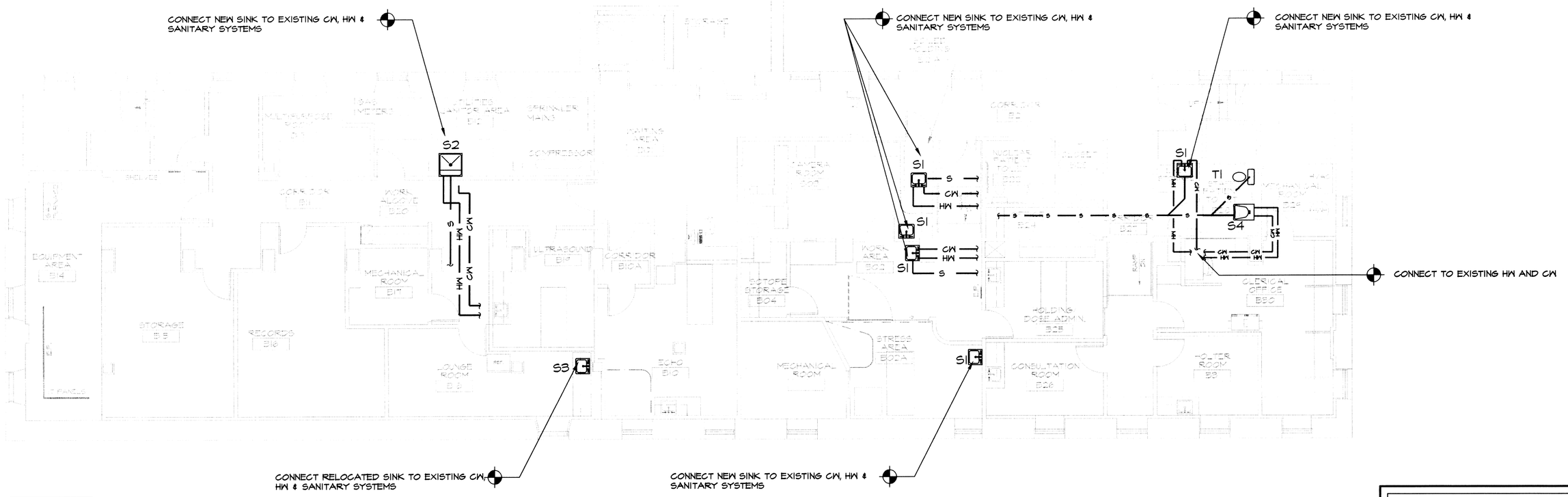
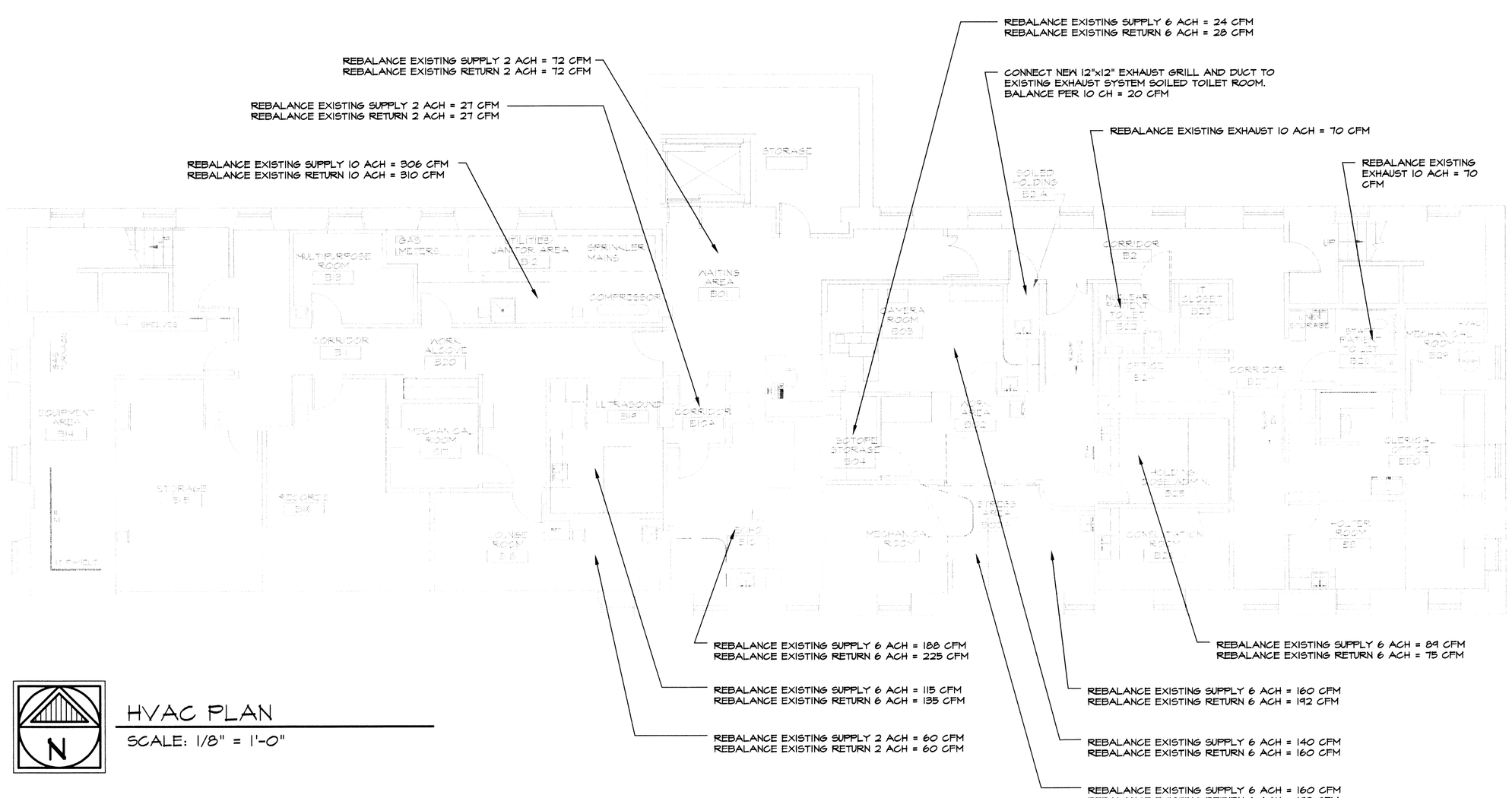


PLUMBING PLAN

SCALE: 1/8" = 1'-0"



HVAC PLAN

SCALE: 1/8" = 1'-0"

LEGEND

	NEW ELECTRICAL DUPLEX OUTLET @ 18" A.F.F. U.N.O.
E	NEW ELECTRICAL DUPLEX OUTLET - EMERGENCY
	4'x2' FLUORESCENT LIGHTING FIXTURE, 3" 18 CELL PARABOLIC ALUMINUM LOUVER, (2) 32WT & PROOF, ELECTRONIC BALLAST
$	NEW LIGHTING SWITCH
	HOME RUN TO EXISTING PANEL - ELECTRICAL CONTRACTOR TO BALANCE PANEL BASED ON NEW LOADS
	CEILING CURTAINS
48"	NEW QUAD ELECTRICAL OUTLET AT HEIGHT INDICATED
	NEW TELE/DATA OUTLET
	CEILING MOUNTED EXIT SIGN - BUILDING STANDARD
C	EMERGENCY CALL PULL CORD
D	DOME LIGHT W/AUDIBLE LOCAL ALARM
— HW —	HOT WATER PIPING
— CW —	COLD WATER PIPING
— S —	SANITARY SEWER PIPING
	CEILING SUPPLY DIFFUSER
	CEILING RETURN OR EXHAUST GRILLE
B	4' SURFACE MTD. FLUORESCENT LIGHT FIXTURE

PLUMBING NOTES

1. THE WORK SHALL INCLUDE A PARTIAL, REMODELED PLUMBING SYSTEM IN ACCORDANCE WITH THESE SPECIFICATIONS MASSACHUSETTS AND LOCAL CODES RELATING TO THE WORK.
2. EVERYTHING NECESSARY FOR THE COMPLETION AND SUCCESSFUL OPERATION OF THE WORK, WHETHER OR NOT HEREIN DEFINITELY SPECIFIED, OR INDICATED ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED AS IF SO SPECIFIED OR INDICATED.
3. INSTALL ALL EQUIPMENT, PIPING, DRAINS, VENTS, HOT AND COLD WATER ETC., AS REQUIRED FOR A WORKING SYSTEM.
4. PAY ALL FEES AND SECURE ALL PERMITS AND LICENSES APPLICABLE TO THIS SECTION OF THE WORK.
5. SEE PLANS AND SCHEDULES FOR EQUIPMENT AND FIXTURES TO BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.
6. PROVIDE A ONE YEAR GUARANTEE ON MATERIAL AND WORKMANSHIP FROM DATE OF FINAL PAYMENT.
7. COORDINATE WORK WITH ALL OTHER CONTRACTORS AND TRADES
8. THE PLUMBING CONTRACTOR, UNLESS OTHERWISE NOTED ON PLANS, IS REQUIRED TO PROVIDE ALL CUTTING, PATCHING, SEALING AND FLASHING FOR ANY OPENINGS REQUIRED IN EXISTING WALLS AND FLOORS. ALL CUTTING DONE SHALL BE SUBJECT TO THE DIRECT APPROVAL OF THE ARCHITECT/ENGINEER.
9. TEST ALL PIPING SYSTEMS - DISINFECT HOT AND COLD WATER PIPING.
10. SUPPORT ALL PIPING WITH CLEVIS TYPE HANGERS WHERE REQUIRED. NO STRAPS.
11. DEMOLITION - PROVIDE FOR REMOVING EXISTING PLUMBING EQUIPMENT AND PIPING AS SHOWN OR NOTED ON PLANS. EXISTING FIXTURES BEING REMOVED SHALL BE TURNED OVER TO OWNER IF SO DIRECTED.
12. CONNECTIONS TO EXISTING SYSTEMS - CONTRACTOR TO COORDINATE WITH OWNER IN ADVANCE AS TO WHEN CONNECTIONS TO EXISTING PIPING CAN BE MADE WITHOUT INTERFERENCE WITH NECESSARY SYSTEM OPERATION. CONTRACTOR RESPONSIBLE TO DRAIN AND REFILL SYSTEMS AS REQUIRED. PROVIDE ISOLATION VALVES AT ALL NEW CONNECTIONS.
13. A. WASTE PIPING
    1. BELOW FLOOR - CAST IRON, NO HUB OR COMPRESSION FITTING.
    B. VENT PIPING
    1. ABOVE GRADE OR FLOOR - DWV COPPER, CAST IRON, NO HUB. OR AS APPROVED BY LOCAL PLUMBING INSPECTOR.
    C. WATER SUPPLY PIPING
    1. ABOVE GRADE OR FLOOR - TYPE L COPPER
    2. PROVIDE 95/5 TIN-ANTIMONY SOLDER JOINTS
14. PROVIDE SHOCK ABSORBERS AS REQUIRED AND VALVES, UNIONS, AND COUPLINGS TO ISOLATE EQUIPMENT AND SUPPLY OR DRAIN SYSTEM.
15. PROVIDE SHUT OFF VALVES AT EACH FIXTURE OR PIECE OF EQUIPMENT.

SINK S1

WALL HUNG HAND-WASHING SINK - KOHLER K-1997 VITREOUS CHINA WITH COORDINATING FAUCET (4" BLADE HANDLES)

SINK S2

JANITORS SINK STANDARD MODEL 7645.008 WITH MATCHING MIXING VALVE AND SPIGOT

SINK S3

RELOCATED EXISTING WALL HUNG HAND-WASHING SINK

SINK S4

NEW WALL MOUNTED HC LAVATORY KOHLER MORNINGSIDE W/GOOSENECK AND LEVER HANDLE FAUCET

TOILET T1

NEW WALL HANG TOILET KOHLOER KINGSTON 1.28 W/FLUSH VALVE AND SEAT

FIRE PROTECTION SYSTEM

1. MODIFY EXISTING FIRE PROTECTION SPRINKLERS AS REQUIRED BY NEW LAYOUT.

NOTES

ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHOWN IS DIAGRAMMATIC AND INTENDED TO SHOW THE GENERAL SCOPE OF EACH TRADE.

EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL DESIGN AND INSTALLATION OF HIS/HER SCOPE IN ACCORDANCE WITH ALL APPLICABLE CODES.

HVAC NOTES

THE SYSTEM DESCRIBED HEREIN IS INTENDED TO DESCRIBE THE GENERAL INTENT OF THE MODIFICATIONS TO EXISTING SYSTEMS.
THE ACTUAL METHODS OF ACHIEVING THIS DESIRED INTENT SHALL REMAIN THE RESPONSIBILITY OF THE HVAC CONTRACTOR AND THE GENERAL CONTRACTOR IN CONSULTATION WITH THE OWNER

1. Furnish and install a heating, ventilating and air conditioning system as shown on the plans in working order to the owner using new equipment and modified existing ductwork and controls.
2. All equipment and workmanship to be guaranteed by contractor for one year from date of final payment.
3. Submit at least six (6) copies of shop drawings on all equipment to Architect/Engineer.
4. All equipment and installations shall conform to state and local codes. Install per manufacturer's recommendations.
5. Galvanized sheet metal ducts: Up to 12" 26 GA
   13" to 30" 24 GA
   Elbows and transformation pieces: 2 Gauges Heavier.
6. Balance air and water side of system per State code.
7. Ceiling Diffusers: match existing
8. Ceiling return air grilles: match existing
9. Insulate all piping with 1" ASJ fiberglass with vapor barrier. Seal ends. Zeston PVC at elbows.
10. Temperature Controls:
    - Modify existing system for new layout.
    - All control wiring (low and line voltage) by HVAC Contractor.
11. Air Balancing
    - Balance completed system to achieve air flows in conformance with applicable codes and with Owner's direction.

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64 GOTHIC STREET, SUITE 1
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	CHECK	REVISIONS	DATE
DRAFTS-PERSON	GS	DPH REVIEW	01/14/2011
PROJECT MANAGER	REK	DPH REVISIONS	05/13/2011
PROJECT ARCHITECT	REK	DPH REVISIONS 2	08/04/2011
DATE	01/14/2011	DPH REVISIONS 3	09/13/2011
PROJECT NO.	HAI-10-93		

Renovation for:
BAYSTATE HEART & VASCULAR PROGRAM
CARDIOVASCULAR IMAGING
BAYSTATE MEDICAL CENTER
10 MAIN STREET, FLORENCE, MA 01062

PLUMBING AND HVAC PLAN

SHEET M1 OF 1