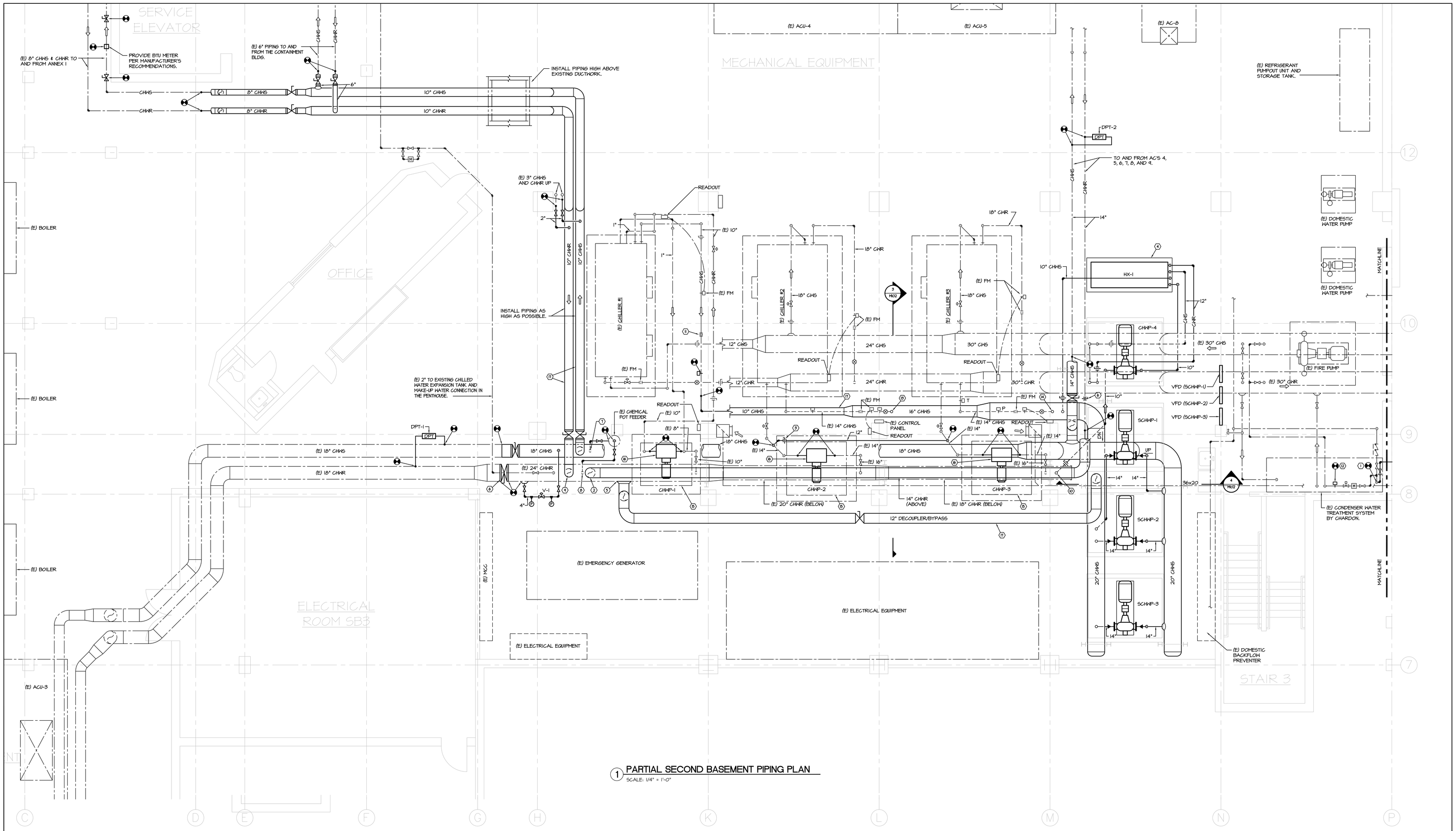
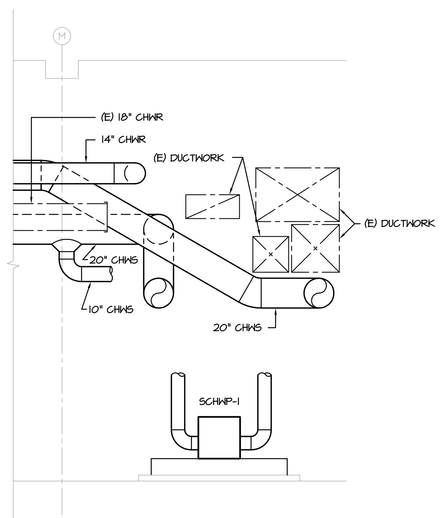
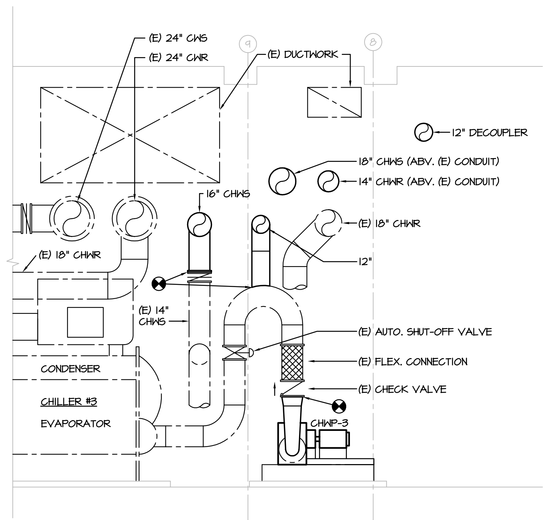


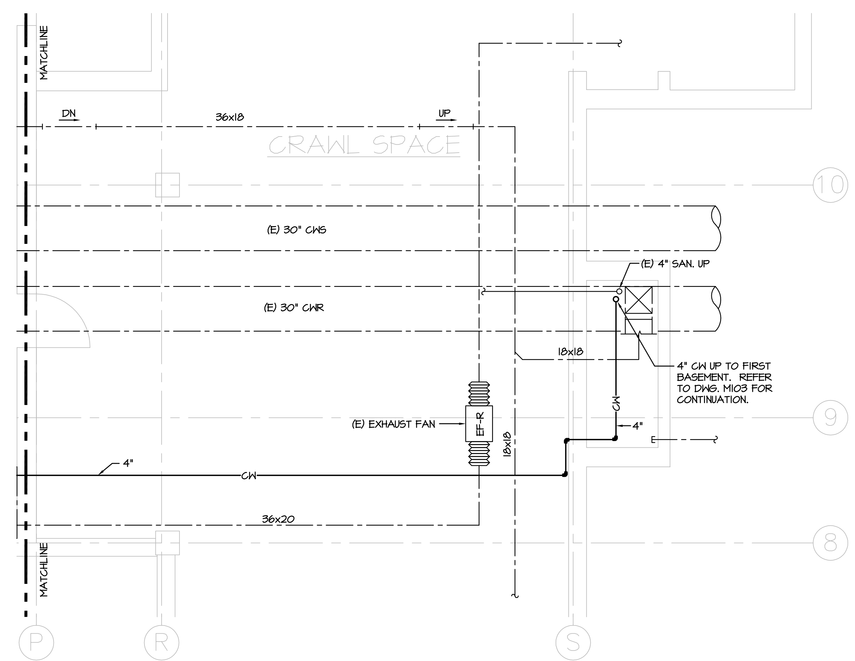
1 PARTIAL SECOND BASEMENT PIPING PLAN
SCALE: 1/4" = 1'-0"



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



3 MECHANICAL SECTION
SCALE: 1/4" = 1'-0"



2 PARTIAL SECOND BASEMENT PIPING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTE:

1. RELOCATE AND RECONNECT ALL EXISTING CONTROL SENSORS AND DEVICES AFFECTED BY THE DEMOLITION WORK.

DRAWING NOTES:

1. 4" CW DN. AND CONNECT TO EXISTING CW MAIN.
2. CONNECT 14-IN. CHWR TO EXISTING 24-IN. CHWR.
3. MANUAL BYPASS VALVE.
4. INSTALL HEAT EXCHANGER ON 4" HIGH HOUSEKEEPING PAD. REFER TO DWG. M002 FOR PIPING DETAIL.
5. CONNECT 12-IN. DECOUPLER/BYPASS TO EXISTING 24-IN. CHWR.
6. PROVIDE SHUT-OFF VALVE IN EXISTING PIPING.
7. CONNECT EXISTING CHEMICAL POT FEEDER PIPING TO THE 18-IN. CHWS PIPE.
8. CONNECT PIPING FROM THE EXISTING CHEMICAL POT FEEDER TO THE EXISTING 24-IN. CHWR PIPING.
9. CONNECT 10-IN. CHWR PIPING TO THE EXISTING 24-IN. CHWR PIPING.
10. CONNECT 10-IN. CHWR TO THE EXISTING 18" CHWR.
11. RELOCATE EXISTING WATER FLOW METER TO THIS LOCATION.
12. PROVIDE A WATER FLOW METER ON EXISTING PIPING AND CONNECT TO THE BAS.
13. CONNECT EXISTING 14-IN. CHWS TO 16-IN. CHWS.
14. CONNECT EXISTING 14-IN. CHWS TO 20-IN. CHWS.
15. REPLACE EXISTING VIBRATION ISOLATORS IN EXISTING INERTIA BASE. SIZE FOR 1-IN. DEFLECTION.
16. MODIFY EXISTING PIPING AS NECESSARY TO ACCOMMODATE PUMP.
17. SUPPORT PIPING FROM FLOOR SLAB ABOVE.

Andrew W. Breidenbach Environmental Research Center

CANNONDESIGN

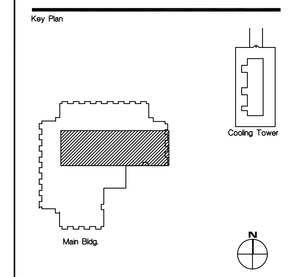
1100 Wilson Blvd., Suite 2900, Arlington, Virginia 22209 703.907.2300

Baltimore • Boston • Buffalo • Chicago • Jacksonville • Los Angeles • New York
St. Louis • Vancouver • Washington DC

COOLING TOWER REPLACEMENT

Final Submission
August 16, 2004

Key Plan



No.	Revisions	Date

Drawing Title:

SECOND BASEMENT
CHILLER AREA
MECHANICAL PLAN

Issue Date: -
Drawn by: E.R.A. Checked by: T.R.
Project No.: 02414.01 Scale: 1/4" = 1'-0"
Drawing No.:

M102

© 2004 Cannon Design
All rights reserved. No part of this document may be reproduced in any form or by any means without permission in writing from The Cannon Corporation.

© 2004 Cannon Design