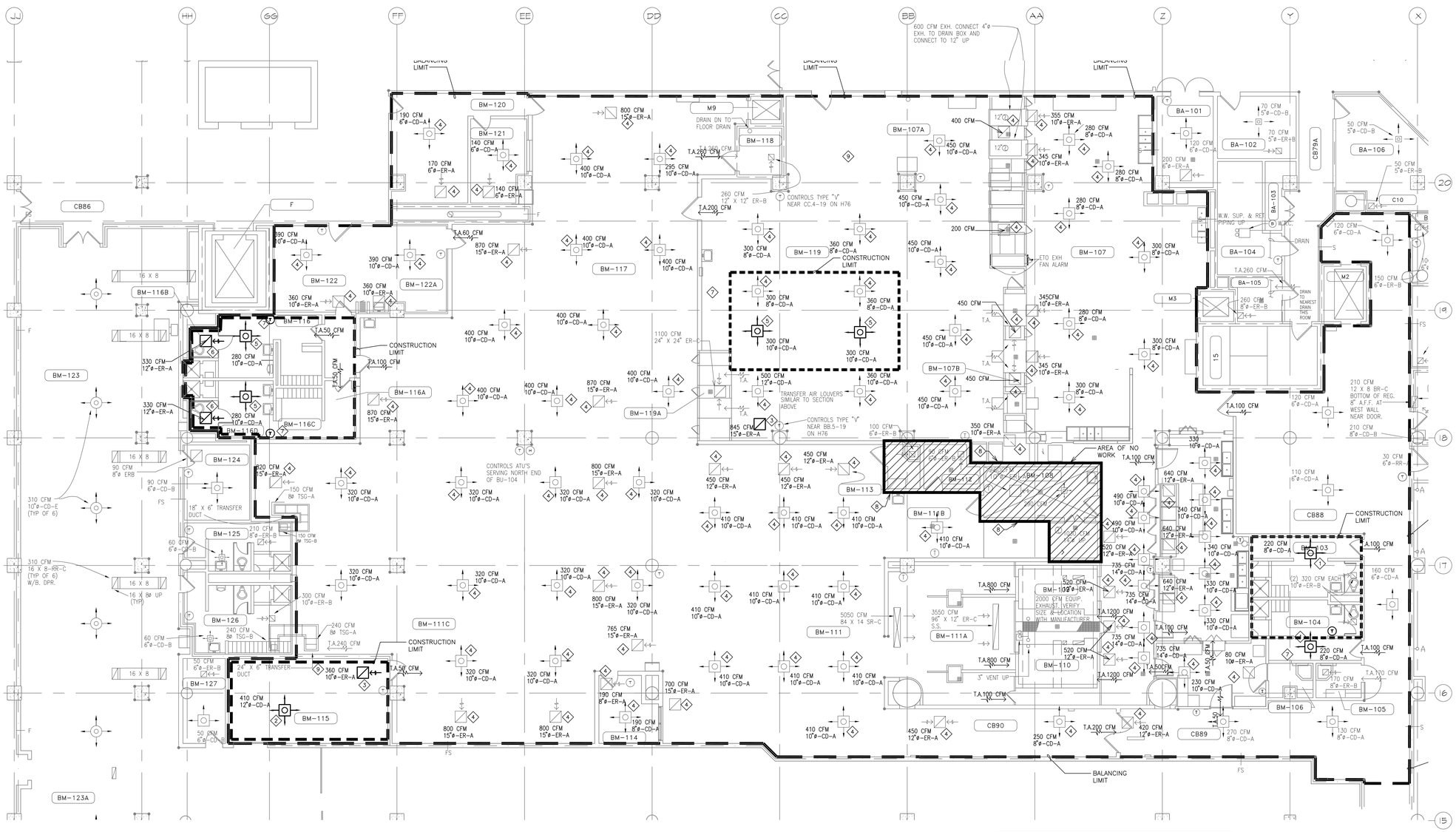

1 BASEMENT SPD PLAN
1/8" = 1'-0"

KEY NOTES:

1. 8" SUPPLY DUCT UP.
2. 12" SUPPLY DUCT UP.
3. 10" EXHAUST DUCT UP.
4. BALANCE EXISTING GRILLE OR DIFFUSER TO INDICATED CFM.
5. 10" SUPPLY DUCT UP.
6. 12" EXHAUST DUCT UP.
7. PROVIDE NEW THERMOSTAT.
8. WORK IN THIS AREA IS CONTRACTED UNDER ANOTHER PROJECT.
9. ALL IN THIS AREA SHALL BE DONE OFF-HOURS.
10. 15" EXHAUST DUCT UP.

OPTION 1

1. PROVIDE ALL NEW DDC TEMPERATURE CONTROLS FOR THE CONSTANT VOLUME DUAL BOXES, ROOM TEMPERATURE AND HUMIDITY SENSORS IN THE CENTRAL SPS DEPARTMENT, INCLUDING ALL AREAS SERVED BY THE SPS 70-AHBSW-1 AIR HANDLING UNIT.

GENERAL NOTES:

1. THE VENTILATION CONTRACTOR WILL BE RESPONSIBLE FOR ANY GENERAL CONSTRUCTION WORK AS DIRECTLY IMPACTED BY THE DUCTWORK INSTALLATION. EXAMPLES OF WORK DIRECTLY TIED INTO THE VENTILATION CONTRACTORS WORK WOULD INCLUDE, BUT NOT LIMITED TO:
   A. REMOVAL AND REINSTALLATION OF CEILING, CEILING GRID AND LIGHTING REQUIRED FOR MECHANICAL WORK BUT NOT INDICATED ON ARCHITECTURAL PLANS.
   B. PATCH ALL EXISTING PENETRATIONS TO MATCH EXISTING WALL/FLOOR TYPE WHERE DUCT WAS REMOVED.
   C. ACCESS PANELS.
   D. FIRE SEALING OF ALL RATED WALL PENETRATIONS.
2. COORDINATE ALL DUCTWORK, PIPING AND FIRE PROTECTION PIPE ROUTING WITH ALL DISCIPLINES AND EXISTING INSTALLATIONS BEFORE FABRICATION AND INSTALLATION TO INSURE ADEQUATE CLEARANCES. STRUCTURAL SUPPORTS, PIPING, ETC. PROVIDE ALL OFFSETS AND TRANSITIONS AS REQUIRED FOR A CLEAN INSTALLATION. ADDITIONAL COMPENSATION WILL NOT BE REWARDED DUE TO LACK OF COORDINATION WITH OTHER SUBCONTRACTORS.
3. FIELD VERIFY CONNECTION SIZES TO EXISTING DUCTWORK AND EQUIPMENT PRIOR TO FABRICATION.
4. SUPPORT ALL DUCTWORK DIRECTLY FROM STRUCTURE. DO NOT SUPPORT ANY DUCTWORK FROM DUCTWORK, CONDUIT, OR OTHER DUCTWORK ENCOUNTERED.
5. COORDINATE WITH PROJECT SPECIFICATION MANUAL AND DRAWING DETAILS FOR ADDITIONAL DUCT ACCESS DOORS, BALANCING DAMPERS, FLEXIBLE CONNECTIONS AND OTHER REQUIRED DUCTWORK COMPONENTS THAT MAY NOT BE INDICATED DIRECTLY ON THIS FLOOR PLAN DRAWING.
6. THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE BALANCING DAMPERS AT DUCT TAKEOFFS AS REQUIRED FOR ACCURATE AIR BALANCING REGARDLESS IF ALL DAMPERS ARE NOT SHOWN DIRECTLY ON THESE DRAWINGS. PERFORM ALL FINAL BALANCING OF NEW DIFFUSERS THROUGH THOSE UPSTREAM TAKEOFF DAMPERS. ALL NEW RETURN/EXHAUST GRILLES WILL BE PROVIDED WITH OPPOSED BLADE BALANCING DAMPERS. BALANCING OF ANY SUPPLY DIFFUSERS/GRILLES USING INTEGRAL DAMPERS WILL NOT BE AN APPROVED METHOD OF BALANCING.
7. THE MECHANICAL CONTRACTOR WILL BE RESPONSIBLE TO ADEQUATELY SEAL AND PROTECT ALL DUCTWORK ON SITE FROM CONSTRUCTION DEBRIS/CONTAMINATION THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. IF DUCTWORK BECOMES DIRTY THE MECHANICAL CONTRACTOR SHALL VACUUM OUT ANY DEBRIS WITHIN THOSE DUCTWORK SYSTEMS AND PRESSURE WASH/STERILIZE ANY CONTAMINATED DUCTWORK WITH A BIOCIDE/SANITIZING TREATMENT.
8. THE MECHANICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORD DRAWINGS SHOWING ALL DISCREPANCIES OR REVISIONS OF DUCTWORK INDICATED ON THESE VENTILATION PLAN LAYOUTS. ALL CHANGES WILL BE UPDATED WITHIN THE FINAL RECORD DRAWING SET TO BE SUBMITTED PER SPECIFICATION REQUIREMENTS ON PROJECT COMPLETION.
9. TAKEOFFS TO SUPPLY AIR DIFFUSERS AND REGISTERS SHALL BE SAME SIZE AS DUCT CONNECTION SIZE UNLESS OTHERWISE NOTED.
10. COORDINATE WITH OWNER FOR WORK PHASING. PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO KEEP OWNER OCCUPIED AREAS FUNCTIONING.
11. ALL PIPING AND DUCTWORK ROUTED THROUGH FIRE RATED WALLS SHALL BE ADEQUATELY FIRE SEALED AS REQUIRED TO MAINTAIN THE LISTED WALL RATING.
12. ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL, OR STANDING ON PERMANENT PLATFORMS, WITHOUT THE USE OF PORTABLE LADDERS. EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO: ALL TYPES OF VALVES, FILTERS AND STRAINERS, TRANSMITTERS, CONTROL DEVICES. PRIOR TO COMMENCING INSTALLATION WORK, REFER CONFLICTS BETWEEN THIS REQUIREMENT AND CONTRACT DRAWINGS TO THE RE/COTR FOR RESOLUTION.
13. ALL NEW CONTROL DEVICES TO BE D.D.C.
14. PROVIDE TEMPORARY CONNECTIONS FOR HVAC, PIPING, AND PLUMBING AS REQUIRED TO MAINTAIN SERVICES DURING CONSTRUCTION PHASES.

100% CD ISSUE
FULLY SPRINKLERED

REVISIONS	DATE
ADDENDUM #3	02/18/13
ADDENDUM #1	02/05/13

GENERAL NOTES:

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE; FIRESTOPPING OF THESE OPENINGS SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Engineer under the laws of the State of Minnesota.

DARIN MAY
Date 08/13/2012 Reg. No. 42401

Drawing Title: BASEMENT SPD PLAN	Project Title: VA SPD HVAC IMPROVEMENTS	Project No. 618-12-127	Office of Facilities Management
Drawing Scale: AS NOTED	Approved: Cynthia Doolittle, Chief, Projects Section	Building Number 70	
Plot Scale: 12" = 1'-0"	Approved: Steven Challeen, Director, Engineering	Location: V.A. MEDICAL CENTER, ONE VETERANS DRIVE, MINNEAPOLIS, MN 55417	DRAWING NO. 1260-M5
		Date 08/13/2012 · Checked CM · Drawn AU	Dwg. 10 Of 28

Department of Veterans Affairs