



GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ALL INTERSTITIAL PATCHING AND PENETRATIONS REQUIRED.
- ALL SATELLITE SPD ROOMS TO BE BALANCED TO HAVE A POSITIVE PRESSURE TO ADJACENT ROOM.
- CONTRACTOR TO MEASURE AIRFLOW QUANTITIES AT ALL DIFFUSERS AND GRILLES IN SATELLITE SPD ROOMS BEFORE AND AFTER WORK. CONTRACTOR TO VERIFY CONSTRUCTION WORK OR BALANCING SHALL NOT IMPACT AIRFLOW QUANTITIES OF DIFFUSERS AND GRILLES IN ROOMS SERVED BY THE SAME VAV BOX. SEE VAV BOX BALANCING SCHEDULE ON SHEET FOR LIST OF ROOMS SERVED BY THE SAME VAV.
- DIFFUSERS LABELED "CFM, EXISTING" DENOTE AN EXISTING DIFFUSER TO BE BALANCED TO CFM INDICATED.

KEY NOTES:

- ① RE-BALANCE DIFFUSER TO CFM INDICATED.
- ② BALANCE EXISTING BOX TO NEW CFM TOTAL INDICATED ON PLAN. VAV BOX TO CONSTANT VOLUME.
- ③ INSTALL NEW CEILING DIFFUSER.
- ④ DEMOLISH EXISTING DIFFUSER.
- ⑤ INSTALL NEW RETURN GRILLE.
- ⑥ 6" SUPPLY DUCT DOWN.
- ⑦ RE-BALANCE VAV BOX MINIMUM AND MAXIMUM AIRFLOW QUANTITIES BY THE QUANTITY INDICATED IN THE VAV BOX SCHEDULE ON SHEET. VAV BOX TO BE CONSTANT VOLUME.

VAV BOX BALANCING SCHEDULE

VAV BOX NUMBER	ROOM SERVED	CHANGE IN TOTAL BOX CFM	MECH NOTES
VAV-2-1	2F-108	+70 CFM	1
VAV-2-2	2J-147, C2-75	+50 CFM	1
VAV-2-3	2K-110	+60 CFM	1
VAV-2-4	2K-131	+70 CFM	1
VAV-2-5	2P-103	+55 CFM	1
VAV-2-6	2P-117, 2P-118	-35 CFM	1
VAV-2-7	2P-113, 2P-112A	+65 CFM	1
VAV-2-8	2R-107, 2R-106A	+50 CFM	1
VAV-2-9	2V-135, C2-204	+100 CFM	1

1. CHANGE IN TOTAL BOX CFM IS BASED ON PRELIMINARY AIR QUANTITIES PREVIOUSLY MEASURED. CONTRACTOR TO MEASURE AND BALANCE ALL BOXES AND DIFFUSERS TO EXISTING AIR QUANTITIES OR NEW AS INDICATED.

100% CD ISSUE
FULLY SPRINKLERED

ADDENDUM #3 ADDENDUM #1		02/18/13 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.	DUNHAM Dunham Associates, Inc. 50 South Sixth Street / Suite 1100 Minneapolis, Minnesota 55402-1540 PHONE 612.465.7550 FAX 612.465.7551 WEB dunhameng.com mechanical + electrical consulting engineering	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 Scale AS NOTED Plot Scale 12" = 1'-0"	Drawing Title SECOND FLOOR MECHANICAL SPD SATELLITE ROOMS PLANS Approved: Cynthia Doolittle, Chief, Projects Section Approved: Steven Challeen, Director, Engineering	Project Title VA SPD HVAC IMPROVEMENTS Location V.A. MEDICAL CENTER ONE VETERANS DRIVE MINNEAPOLIS, MN 55417 Date 08/13/2012 Checked CM Drawn AU	Project No. 618-12-127 Building Number 70 DRAWING NO. 1260-M11 Dwg. 18 OF 28	Office of Facilities Management Department of Veterans Affairs
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