

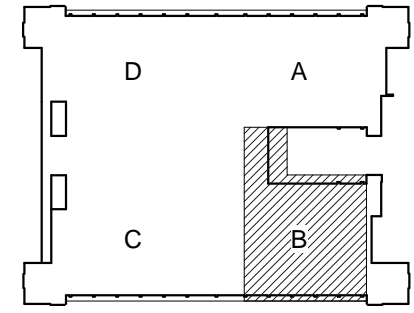
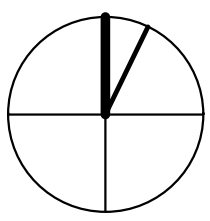
GENERAL NOTES

- A. PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE HARD SUSPENDED CEILING.
- B. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
- C. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
- D. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
- E. FOR TYPICAL STEAM AND WATER PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD EQUIPMENT DETAILS.
- F. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
- G. ALL PRESSURES LISTED ARE GAGE PRESSURE UNLESS OTHERWISE NOTED.
- H. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.
- I. HP STEAM HEADER SET PRESSURE: 60 PSIG NORMAL
60 PSIG LOW DEMAND PERIODS
- J. ALTITUDE: 5300 FT. ABOVE SEA LEVEL
- K. SEISMIC PROVISIONS REQUIRED - SEE SPECS
- L. MOST OF THE WORK SHOWN IN FLOOR PLANS IS INTENDED TO BE LOCATED IN THE INTERSTITIAL SPACE IN ACCORDANCE WITH VA STANDARDS. IN GENERAL, THE WORK LOCATED BELOW THE INTERSTITIAL FLOOR IS GENERALLY LIMITED TO DUCT MOUNTS, DUCT RUNOUTS, AND FINAL CONNECTIONS TO CEILING MOUNTED DIFFUSERS AND GRILLES, AS INDICATED BY THE VA STANDARDS.
- M. COORDINATE WORK WITH THAT OF ALL DISCIPLINES, INCLUDING BOTH THE NEW WORK AND THE EXISTING TO REMAIN. RELOCATE EXISTING TO REMAIN WORK AS REQUIRED TO ACCOMMODATE THE PHASING REQUIREMENTS AND THE NEW WORK.
- N. COORDINATE SHUTDOWNS AND OUTAGES WITH VA COR 2 WEEKS PRIOR TO COMMENCEMENT OF WORK.
- O. SMALLEST RECTANGULAR DUCT SIZE IS 8 X 8 UNLESS OTHERWISE SPECIFIED.
- P. SMALLEST ROUND DUCT SIZE IS 8 Ø UNLESS OTHERWISE SPECIFIED.
- Q. SMALLEST FLEX DUCT SIZE IS 8 Ø UNLESS OTHERWISE SPECIFIED.
- R. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED TO MEET THE FOLLOWING PRESSURE CLASSIFICATION REQUIREMENTS:
- SUPPLY:
- MAIN SUPPLY DUCT, BRANCH SUPPLY DUCT, TAKE OFF TO TERMINAL UNITS: 4 IN. W.G.
- TERMINAL UNITS TO DIFFUSERS: 2 IN. W.G.
- RETURN/EXHAUST:
- MAIN RETURN AND EXHAUST DUCTS: -3 IN. W.G.
- BRANCH RETURN AND EXHAUST DUCTS, TAKE OFF TO TERMINAL UNITS: -2 IN. W.G.
- S. MAINTAIN EXISTING WALKWAY THAT EXTENDS AROUND THEIR PERIMETER OF THE INTERSTITIAL SPACE.
- T. PROVIDE VOLUME BALANCING DAMPER IN EACH BRANCH DUCT THAT SERVES A CEILING DIFFUSER. UNLESS THERE IS ONLY ONE CEILING DIFFUSER ON THAT BOX, PROVIDE VOLUME BALANCING DAMPER IN EACH BRANCH DUCT THAT SERVES INDIVIDUAL RETURN AIR GRILLE OR EXHAUST AIR GRILLE.
- U. EXTEND BUILDING HEATING HOT WATER TO THE NEW TERMINAL UNITS.

KEYED NOTES

1. PROVIDE 2-HR FIRE DAMPER AT EACH DUCT PENETRATION OF THE EXISTING INTERSTITIAL WALL.
2. ROUTE EXHAUST DUCT IN QUAD A INTERSTITIAL SPACE AS HIGH AS POSSIBLE TO MAINTAIN SERVICE WALKWAY.
3. EXTEND 8X8 EXHAUST DUCT THROUGH QUAD A INTERSTITIAL SPACE TO EXISTING 14X10 GENERAL EXHAUST DUCT SERVED BY 41-EE43, A DISTANCE OF ABOUT 40 FEET. CONNECT TO THIS DUCT AT APPROXIMATELY COLUMN LINES 8.4 AND 11.3.
4. PROVIDE NEW DIFFUSERS IN THIS CORRIDOR TO MATCH NEW WORK IN QUAD B.
5. SUPPLY DIFFUSER, RETURN GRILLE AND FLEX DUCT WORK LOCATED IN CEILING SPACE OF 3B-226 AND 3B-228 ARE INSTALLED IN PHASE 4. ALL ITEMS LOCATED IN THE INTERSTITIAL FOR 3B-226 AND 3B-228 ARE INSTALLED DURING PHASE 3.
6. DUCTWORK SERVING INFILL AREA SHALL BE ROUTED AS HIGH AS POSSIBLE TO PRESERVE SERVICE WALKWAY. ROUTE DUCTWORK IN BEAM SPACE AS NECESSARY TO MAINTAIN SERVICE WALKWAY.
7. DO NOT INSTALL ANYTHING NEW (DUCTS, FITTINGS, TERMINAL UNITS ETC.) IN THE INDICATED SHADED ZONE (3' WIDE X 8' HIGH). THIS ZONE MUST STAY CLEAR FOR PERSONNEL ACCESS AND EXITING. ALL NEW ITEMS THAT MUST CROSS THIS ZONE ARE TO BE OFFSET UP AND OVER THIS ZONE. EXISTING ITEMS (DUCTS/TERMINAL UNITS ETC.) CAN STAY WHERE THEY ARE. IT IS NOT PART OF THE SCOPE OF WORK IN THIS CONTRACT TO RELOCATE THOSE EXISTING ITEMS OUT OF THIS ZONE UNLESS NOTED OTHERWISE.

KEY PLAN - 3RD FLOOR



COMPLETION ITEM NO. _____
FULLY SPRINKLERED

A1 MECHANICAL HVAC PLAN - 3RD FLOOR - QUAD B - ICU - PHASE 4
1/8" = 1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS

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Architects Engineers Interior Design
Planners Urban Designers LEED®

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Drawing Title
MECHANICAL HVAC - QUAD B - ICU PHASE 4 FLOOR PLAN

Approved: Project Director

Project Title
MICU-SICU CONSOLIDATION & PACU
BUILDING 41

Location
NM/VHCS RAYMOND G. MURPHY VAMC

Date
SEPTEMBER 26, 2014

Checked
ROS

Drawn
CAK

Project Number
501-324

Building Number
BUILDING 41

Drawing Number
MH105

Dwg. Of
6

Office of
Construction
and Facilities
Management



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