

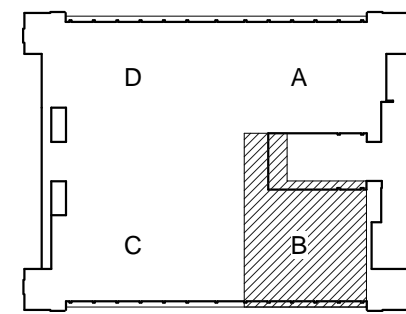
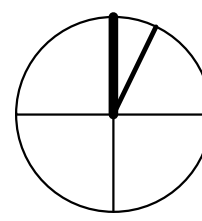
GENERAL NOTES

- 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. SEE GENERAL NOTE D ON MD103 REGARDING PHASING REQUIREMENTS.
- M. 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 DICTATED BY THE VA STANDARDS.
- N. 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.
- O. COORDINATE SHUTDOWNS AND OUTAGES WITH VA COR 2 WEEKS PRIOR TO COMMENCEMENT OF WORK.
- P. SMALLEST RECTANGULAR DUCT SIZE IS 8 X 8 UNLESS OTHERWISE SPECIFIED.
- Q. SMALLEST ROUND DUCT SIZE IS 8 Ø UNLESS OTHERWISE SPECIFIED.
- R. SMALLEST FLEX DUCT SIZE IS 8 Ø UNLESS OTHERWISE SPECIFIED.
- S. 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.
- T. MAINTAIN EXISTING WALKWAY THAT EXTENDS AROUND THE PERIMETER OF THE INTERSTITIAL SPACE.
- U. 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.
- V. EXTEND BUILDING HEATING HOT WATER TO THE NEW TERMINAL UNITS.

KEYED NOTES

1. PENETRATE WALL AT THIRD LEVEL INTERSTITIAL AS HIGH AS POSSIBLE. SEE SECTION ON SHEET M201.
2. ANCHOR TEMPORARY 41-ACCUIST TO 12 INCH TALL CURB ON EXISTING ROOF OF 2ND FLOOR INFLLL.
3. ANCHOR TEMPORARY 41-AHU15T TO 30 INCH TALL CURB ON EXISTING ROOF OF 2ND FLOOR INFLLL.
4. 36 X 20
5. 26 X 20 HOT DUCT
6. 44 X 24
7. NEW DUCTWORK SERVING OFFICE ROOM 3B-107 IS CONNECTED TO EXISTING AT END OF PHASE 3 ONCE AHU15 IS OPERATIONAL. MINIMIZE DOWNTIME FOR ROOM 3B-107. SCHEDULE AND COORDINATE ANY DOWNTIME WITH VA COR.
8. CONNECT TEMPORARY 26 X 20 HOT DUCT TO EXISTING AT THIS LOCATION.
9. CONNECT TEMPORARY 36 X 20 COLD DUCT TO EXISTING AT THIS LOCATION.
10. CONNECT TEMPORARY 44 X 24 RETURN DUCT TO EXISTING AT THIS LOCATION.
11. EXISTING 2" CH(OR) & 2" CH(OR). LOCATION INDICATED IS APPROXIMATE. BECAUSE THESE WERE NOT YET INSTALLED WHEN THESE DOCUMENTS WERE COMPLETED. VERIFY ACTUAL LOCATION. RELOCATE AS REQUIRED TO COORDINATE WITH NEW WORK.
12. PROVIDE TEMPORARY GENERAL EXHAUST DUCTED SYSTEM BEFORE REMOVING THE EXISTING QUAD B GENERAL EXHAUST SYSTEM FOR THE ROOMS LISTED. EXHAUST TO THE OUTSIDE. INCLUDE THE FOLLOWING ROOMS:
- | | | |
|-------------|----------------|---------|
| 3B-137 | TOILET | 80 CFM |
| 3B-138U | LOUNGE | 80 CFM |
| 3B-138N | SOILED UTILITY | 50 CFM |
| 3B-138L HAC | | 80 CFM |
| 3B-138P | PATIENT TOILET | 60 CFM |
| 3B-138Q | STAFF TOILET | 120 CFM |
13. EXISTING ISOLATION ROOMS (AND THEIR ANTE ROOMS) 138A & 138B AND 135 & 135A SHALL BE CONNECTED TO EXISTING MAIN RETURN DUCT TO PROVIDE TEMPORARY USE OF THESE ROOMS FOR THE DURATION OF PHASE 3. ISOLATION FUNCTIONALITY WILL BE REMOVED. SCHEDULE AND COORDINATE ANY DOWNTIME WITH VA COR.
14. SEE ENLARGED PLAN SHEET M402.
15. CONNECT NEW ISOLATION EXHAUST SYSTEM TO EXISTING 15" Ø ISOLATION EXHAUST DUCT.
16. CONNECT EXISTING ISOLATION EXHAUST DUCTWORK FOR 138A & 138B AND 135 & 135A TO MAIN RETURN DUCT TO PROVIDE TEMPORARY USE OF ROOMS. ISOLATION FUNCTIONALITY WILL BE REMOVED. MEASURE EXISTING CFM AND BALANCE TO MATCH.
17. CONNECT EXISTING EXHAUST DUCT FOR OFFICE ROOM 3B-107 TO MAIN RETURN DUCT TO PROVIDE TEMPORARY USE OF ROOM. MEASURE EXISTING CFM AND BALANCE TO MATCH.
18. CONNECT TO EXISTING MAIN RETURN DUCT.
19. PROTECT EXISTING ROOF. MAINTAIN ROOF WARRANTY.
20. DO NOT INSTALL ANYTHING NEW (DUCTS, FITTINGS, TERMINAL UNITS ETC.) IN THE INDICATED SHADED ZONE (3' WIDE X 6' 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 3

1/8" = 1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS

THE HARTMAN + MAJEWSKI
DESIGN GROUP
Architects Engineers Interior Design
Planners Urban Designers LEED®

120 Vassar Dr SE Suite 100
Albuquerque New Mexico 87106
Tel 505 242 6880 Fax 505 242 6881



Drawing Title

MECHANICAL HVAC - QUAD B - ICU PHASE 3 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

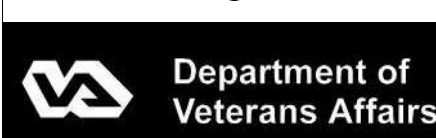
Drawing Number

MH104

Dwg.

Of

Office of
Construction
and Facilities
Management



Department of
Veterans Affairs