

1. STEAM FLOW MEASURING DEVICE
2. HEATING HOT WATER FLOW MEASURING DEVICE
3. CHILLED WATER FLOW MEASURING DEVICE
4. STEAM REDUCING VALVE ASSEMBLY. SEE DETAIL.
5. 1" RO WATER MAKE UP LINE. SEE PLUMBING SHEET. PROVIDE SHUT OFF VALVE ANPRV.
6. STEAM TO CLEAN STEAM GENERATOR. SEE DETAIL.
7. TRAP SEE DETAIL. SEE PIPING SCHEMATIC A1 ON SHEET M601
8. 2" LP DOWN THROUGH FLOOR INTO 2ND FLOOR MECHANICAL ROOM AND EXTEND TO AND CONNECT TO EXISTING 4" LPR RISER (LOCATED NEAR COLUMN LINES A AND 1.7)
9. 2" BLOWDOWN CHAMBER DRAIN LINE. EXTEND TO EXISTING FLOOR DRAIN. SEE DETAIL.
10. 2" COOLING COIL CONDENSATE DRAIN LINE. SEE DETAIL. EXTEND TO EXISTING FLOOR DRAIN.
11. CONNECT NEW PIPES TO EXISTING PIPE RISERS. CUT FULL SIZE TEES INTO RISERS.
"CONNECT NEW 2" HHWR TO EXISTING 2" HHWR RISER. CUT FULL SIZE TEE INTO RISER.
"CONNECT NEW 2" HHW TO EXISTING 2" HHW RISER. CUT FULL SIZE TEE INTO RISER.
"CONNECT NEW 3" CHR TO EXISTING 4" CHR RISER. CUT FULL SIZE TEE INTO RISER.
"CONNECT NEW 3" CH TO EXISTING 4" CH RISER. CUT FULL SIZE TEE INTO RISER.
"CONNECT NEW 2" HPS TO EXISTING 10" HPS RISER. CUT FULL SIZE TEE INTO RISER.
"CONNECT NEW 1" HPR TO EXISTING 1" HPR RISER. CUT FULL SIZE TEE INTO RISER.
12. EXISTING 12 FT X 8 FT OUTSIDE AIR LOUVER. REUSE. REMOVE BLANK OFF PANELS.
13. PLENUM. SEE DETAIL. EXTEND TO 6" ABOVE TOP OF LOUVER AND TO FLOOR.
14. 12FT X 8 FT OUTSIDE AIR PLENUM CONNECTION TO LOUVER.
15. 18" X 60" ACCESS DOOR. BOTTOM OF DOOR 18" AFF.
16. ACTUATOR-CONTROLLED OUTSIDE AIR DAMPER PROVIDED WITH MODULAR AHU
17. ACTUATOR-CONTROLLED RETURN AIR DAMPER PROVIDED WITH MODULAR AHU
18. PROVIDE 4" CONCRETE PAD UNDER OA PLENUM AND UNDER AHU.
19. EXISTING WALL OPENING. FILL WITH FIRE STOP TO MATCH EXISTING.
20. 18 X 42 DOWN TO AHU AND 30 X 42 DOWN TO AHU
21. MANUAL VOLUME BALANCING DAMPER, WITH TIGHT SHUT OFF
22. EXISTING 12 FT X 5 FT RELIEF/EXHAUST LOUVER REMOVE. REMOVE BLANK OFF PANELS.
23. PLENUM. SEE DETAIL. EXTEND TO 6" ABOVE TOP OF LOUVER AND TO FLOOR.
24. 12FT X 5 FT RELIEF/EXHAUST AIR PLENUM CONNECTION TO LOUVER.
25. 72 X 24 ACTUATOR-CONTROLLED RELIEF AIR DAMPER LOCATED AT TOP OF PLENUM
26. FLEXIBLE CONNECTION
27. SUPPORT RF FROM ABOVE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE SPRING-TYPE VIBRATION ISOLATION BRINGS. SELECT AND INSTALL FAN WITH MOTORON BOTTOM.
28. COIL PUMP SPACE.
29. 18" Ø ROUND DUCT SHOWN- PROVIDE DUCT THAT IS SAME SIZE AS FAN INLET
30. ACTUATOR-CONTROLLED EXHAUST AIR DAMPER. SIZE TO MATCH EXHAUST FAN/DISCHARGE. SIZE SHOWN IS 14 X 18. PROVIDE SAME SIZE AS FAN OUTLET. POSITION EXHAUST FAN BLADES PERPENDICULAR TO FAN SHAFT.
31. SUPPORT EXHAUST FAN FROM FLOOR PER MANUFACTURER RECOMMENDATIONS. PROVIDE STEEL BEAM WITH SPRING VIBRATION ISOLATORS.
32. SEE PLUMBING PLANS FOR RISERS AND BRANCH PIPING LOCATED IN THIS NORTHEAST PART OF ROOM. COORDINATE. RELOCATE EXISTING PLUMBING LINES AS REQUIRED.
33. PROVIDE (2) 18 X 12 SUPPLY AIR REGISTERS. ONE ON EITHER SIDE OF 20 X 14 SA DUCT. SEE SCHEDULE
34. 20 X 14 RETURN AIR DUCT WITH 1/2" GRID SCREEN ON OPEN END.
35. EXISTING 14FT X 3FT OPENING THROUGH WALL.
36. EXISTING 15FT X 3FT OPENING THROUGH WALL.
37. FULL RADIUS 90° ELBOW, 42 X 18
38. TWO 42 X 18 RADIUS 90° ELBOWS LEAVING MECHANICAL ROOM
39. TRANSITION FROM 42 X 42 TO 24 X 72
40. PROVIDE DRIP/ DIRT LEG AT BOTTOM OF STEAM RISER WITH TRAP ASSEMBLY. SEE DETAIL
41. MANUAL VOLUME BALANCING DAMPER.
42. DUCT SIZE SHOWN IS 14 X 18. PROVIDE DUCT THAT IS SAME SIZE AS FAN OUTLET.
43. DUCT DROP TO AHU IS SAME SIZE AS RETURN AIR OPENING ON AHU.
44. DRIP LEG AND TRAP ASSEMBLY. SEE DETAIL.
45. 4" VENT, 2" RELIEF, 2" RELIEF, 2 1/2" RELIEF. EXTEND ALL TO OUTSIDE. TERMINATE PIPES WITH DOWNWARD 45° ELBOW.

COMPLETION ITEM NO. _____

FULLY SPRINKLERED



46. 4" VENT- EXTEND FULL SIZE TO OUTSIDE.
47. BLOWDOWN CHAMBER- CONNECT 1" CW SUPPLY LINE (SEE PLUMBING PLANS), WITH PRV AND BALL VALVE. SEE DETAIL. SEE SCHEMATIC ON SHEET M601.
48. PROVIDE DIRT/DRIP LEG WITH TRAP ASSEMBLY. SEE DETAIL.
49. 2" VENT- EXTEND FULL SIZE TO OUTSIDE.
50. LOCATE TEMPERATURE CONTROL PANELS AND THERMOSTAT ON WALL.
51. IN-DUCT SMOKE DETECTOR, 1 OF 3. COORDINATE WITH ELECTRICAL CONTRACTOR. DETECTOR TO BE FINISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR AND MECHANICAL CONTRACTOR.

1	ADDENDUM #001	07-15-2014
#	Revisions	Date



Drawing Title
MECHANICAL ENLARGED PLANS - QUAD D
Approved: Project Director

Project Title MICU-SICU CONSOLIDATION & PACU BUILDING 41			Project Number 501-324	
Location NMVAHCS RAYMOND G. MURPHY VAMC			Building Number BUILDING 41	
Drawing Number M401				
Date SEPTEMBER 26, 2014	Checked ROS	Drawn ACB	Dwg.	Of



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