three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarter inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot
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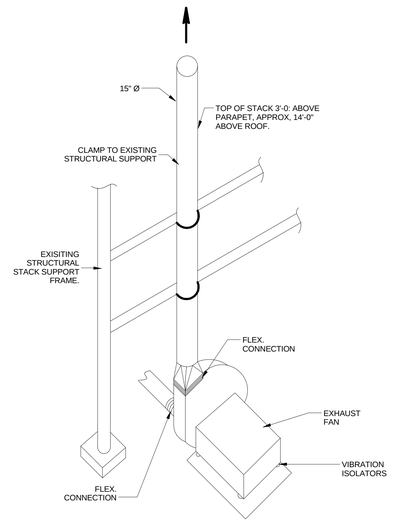


D4 41-EF47 EXHAUST STACK DETAIL
1" = 1'-0"

GENERAL NOTES

A. PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN 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 VALVTRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL FURNISHEDAND 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. COORDINATE WORK WITH THAT OF ALL DISCIPLINES, INCLUDING BOTH THE NEW WORK AND THE EXSITING TO REMAIN. RELOCATE EXISTING TO REMAIN WORK AS REQUIRED TO ACCOMODATE THE PHASING REQUIREMENTS AND THE NEW WORK.

M. COORDINATE SHUTDOWNS AND OUTAGES WITH VA COR 2 WEEKS PRIOR TO COMMENCEMENT OF WORK.

N. SMALLEST RECTANGULAR DUCT SIZE IS 8 X 8 UNLESS OTHERWISE SPECIFIED.

O. SMALLEST ROUND DUCT SIZE IS 8 Ø UNLESS OTHERWISE SPECIFIED.

P. SMALLEST FLEX DUCT SIZE IS 8 Ø UNLESS OTHERWISE SPECIFIED.

Q. 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.

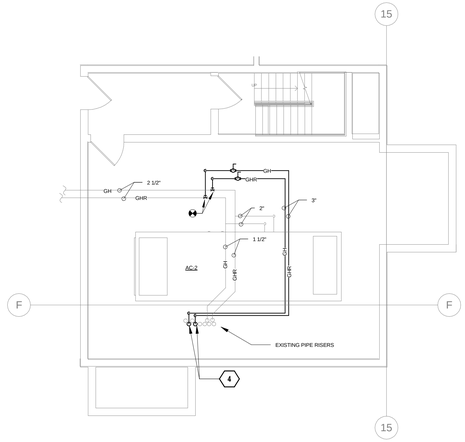
RETURN/EXHAUST:

MAIN RETURN AND EXHAUST DUCTS: -3 IN W.G.

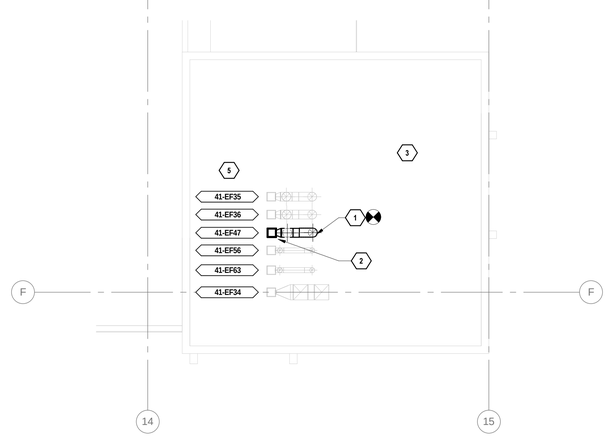
BRANCH RETURN AND EXHUAST DUCTS, TAKE OFF TO TERMINAL UNITS: -2 IN W.G.

KEYED NOTES

1. CONNECT TO EXISTING 15" Ø ISOLATION ROOMS SPECIAL EXHAUST DUCT. THIS DUCT EXTENDS DOWN THROUGH CHASE TO 3RD FLOOR QUAD B MECHANICAL EQUIPMENT ROOM. SEE SHEET M402.
2. NEW ISOLATION ROOMS SPECIAL EXHAUST FAN 41-EF-47, SEE DETAIL D4 THIS SHEET. SEE DETAIL A2/M502.
3. NOTE: THIS ROOF IS LOCATED ABOVE THE QUAD B 5TH FLOOR MECHANICAL EQUIPMENT ROOM AT THE 6TH FLOOR LEVEL.
4. NEW 3" GHR AND 3" GH UP TO 3RD FLOOR. SEE SHEETS M401, M601
5. EF35, EF36, EF56, EF63, EF34 ARE EXISTING AND REMAIN.

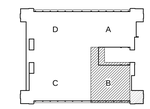


B3 BASEMENT MECHANICAL EQUIPMENT ROOM QUADRANT B PHASE 3
1/8" = 1'-0"



B4 PARTIAL ROOF PLAN QUADRANT B PHASE 3
1/8" = 1'-0"

KEY PLAN - 3RD FLOOR



COMPLETION ITEM NO. ____

FULLY SPRINKLERED

#	Revisions	Date

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Architect Date: 2014.09.25 16:35:32 -06'00' Engineer

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Drawing Title	MECHANICAL HVAC & PIPING-PARTIAL FLOOR PLANS
Approved: Project Director	
Project Title	MICU-SICU CONSOLIDATION & PACU BUILDING 41
Location	NMVAHCS RAYMOND G. MURPHY VAMC
Date	SEPTEMBER 26, 2014
Checked	ROS
Drawn	ACB
Project Number	501-324
Building Number	BUILDING 41
Drawing Number	MH106
Dwg. Of	

Office of Construction and Facilities Management
Department of Veterans Affairs