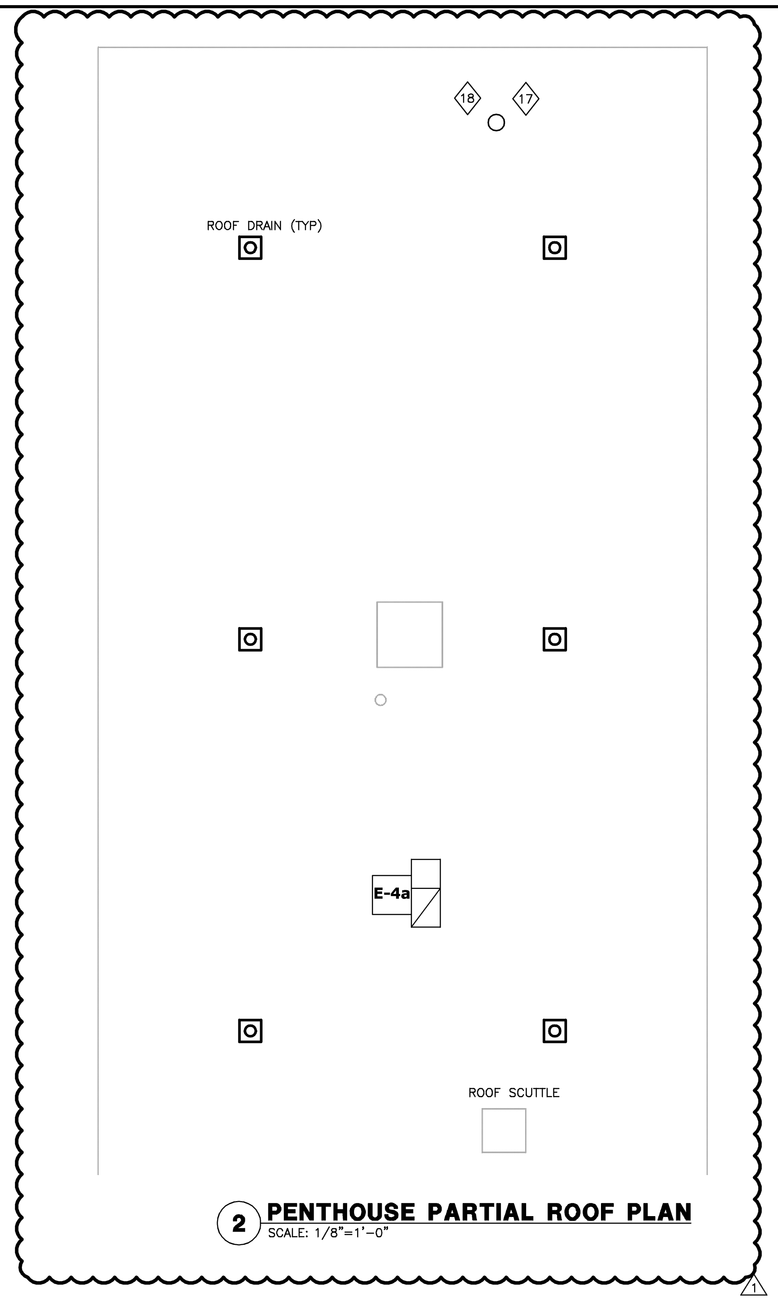
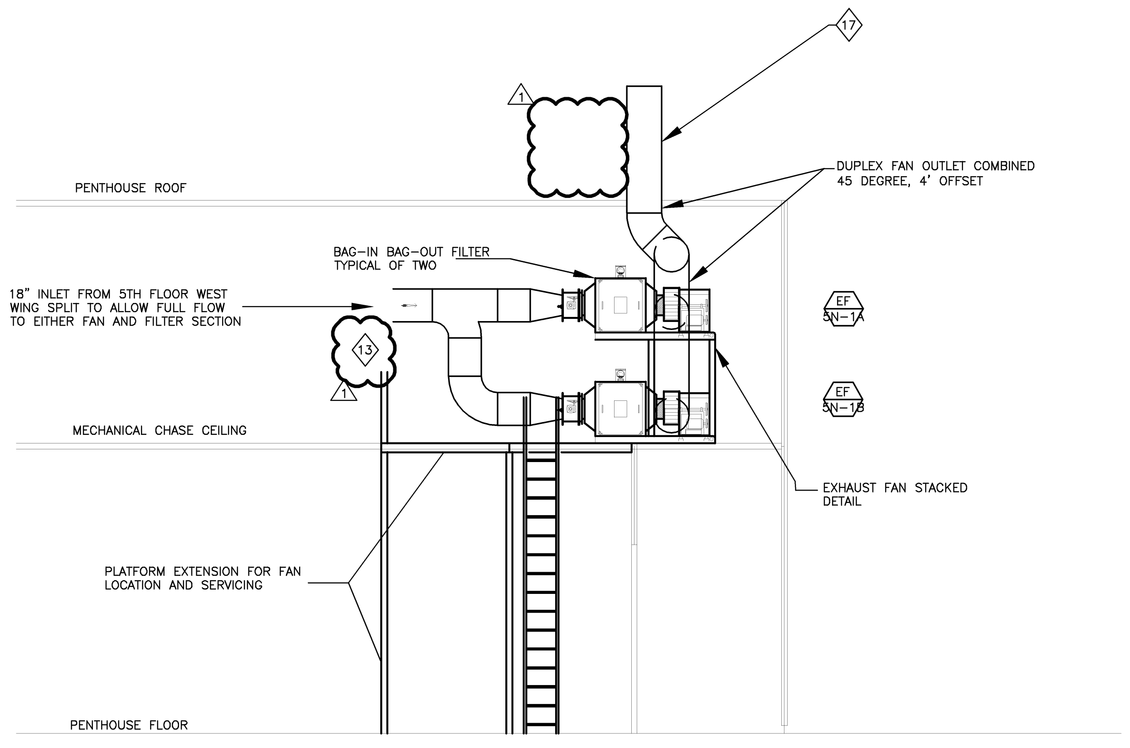
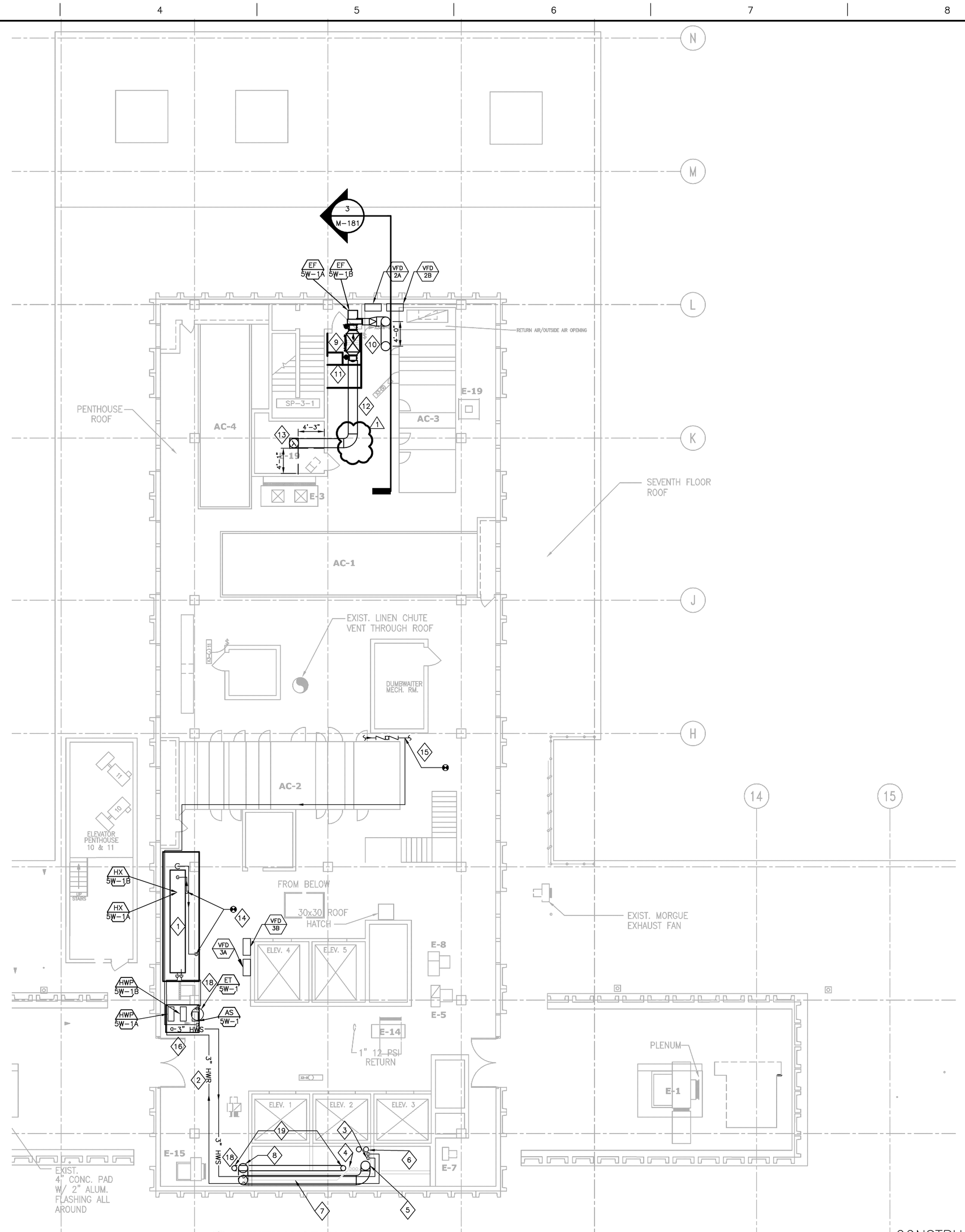


2 PENTHOUSE PARTIAL ROOF PLAN
SCALE: 1/8"=1'-0"



3 PENTHOUSE ROOF SECTION
SCALE: 1/4"=1'-0"



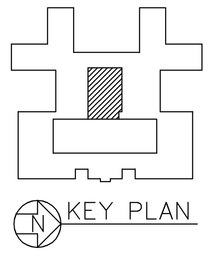
1 PENTHOUSE PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

1. ALL EXHAUST DUCTWORK LOCATED IN UNCONDITIONED SPACES TO BE TYPE 304 STAINLESS STEEL, 20 GAGE. THIS INCLUDES DUCT IN THE CHASES, PENTHOUSE AND FOREVAL PLENUMS. 1
2. POSITIVE PRESSURE EXHAUST DUCT MUST BE WELDED.

SHEET KEYNOTES

1. NEW STEAM TO HOT WATER HEAT EXCHANGER SYSTEM. CONNECT 2 REDUNDANT EXCHANGERS TO EXISTING STEAM AND CONDENSATE LINES TO HEAT WATER RETURNED FROM THE 5TH FLOOR AND GOING TO THE NEW PUMPING SYSTEM. SEE DETAIL FOR SPECIFIC PIPING REQUIREMENTS.
2. NEW 3" HWS & HWR. RUN ALONG AND SUPPORT FROM ROOF DECK.
3. NEW 3" HWS & HWR MAIN DOWN TO FIFTH FLOOR. THIS MAIN WILL HANDLE BOTH THE WEST WING AND THE NORTH WING IN A FUTURE PROJECT
4. EXISTING PIPING (4 TOTAL) INCLUDING EXISTING 2" HW UP TO EXPANSION TANK
5. FUTURE 18" EXHAUST DUCT UP FROM FIFTH FLOOR NORTH WING.
6. EXISTING 10" CHS & CHR TO BE TAPPED INTO AT THE FIFTH FLOOR. SEE FIFTH FLOOR PIPING PLAN FOR DETAILS
7. RUN 3" HWS & HWR ON EITHER SIDE OF ROOF DRAIN. NOTE: A FUTUIRE 18" EXHAUST DUCT NOT IN THIS CONTRACT WILL RUN UNDEREATH THIS PIPING THIS DUCTY IS SHOWN FOR INFORMATION PURPOSES
8. FUTURE 18" EXHAUST DUCT WILL RUN UP TO ROOF. FROM 45 DEGREE THE DUCT WILL OFFSET FROM UNDER EXISTING ROOF DRAIN PIPING AND NEW 3 HWS & HWR.
9. NEW DUPLEX EXHAUST FANS AND NEW BAG IN BAG OUT FILTERS STACKED ON MANUFACTURER PROVIDED FRAME THESE ARE REDUNDANT TO ALLOW 24 HOUR OPERATION EVEN DURING FILTER SERVICING.
10. NEW 18" EXHAUST DUCT 45 DEGREE OFFSET UP THRU PENTHOUSE ROOF
11. EXTEND EXISTING METAL PLATFORM APPROXIMATELY 45 INCHES FOR ACCESS AND SAFETY UNDER NEW EXHAUST FAN. FABRICATE AND INSTALL GRATE HATCH FOR LADDER ACCESS. SEE STRUCTURAL DRAWINGS FOR DETAILS.
12. SUPPORT NEW DUCTWORK FROM THE PENTHOUSE ROOF/CEILING STRUCTURE PER STANDARD DETAILS.
13. NEW 18" EXHAUST DUCT UP FROM FIFTH FLOOR. SEE EXHAUST DUCT CHASE RISER FOR ADDITIONAL DETAIL. DIMENSIONAL PROVIDED FOR REFERENCE OF INTENDED LOCATION
14. CONNECTION FOR NEW 3" HIGH PRESSURE STEAM LINE (120 PSI) AND FOR NEW 2" CONDENSATE DRAIN INCLUDING FLOW METER WITH DIGITAL DISPLAY AND OUTPUT TO BAS
15. CONNECTION FOR NEW 3/4" RAW WATER MAKE UP LINE. CONNECT AFTER EXISTING BACKFLOW PREVENTION DEVICE.
16. NEW HOT WATER PUMPING SYSTEM. CONNECT 2 REDUNDANT PUMPS FROM NEW HEAT EXCHANGER SYSTEM GOING TO THE 5TH FLOOR PRHEAT & REHEAT COILS. SEE DETAIL FOR SPECIFIC PIPING REQUIREMENTS.
17. EXHAUST STACK OUTLET A MINIMUM OF 10' ABOVE ROOF. CONTRACTOR TO PROVIDE 4 HURRICANE RATED GUY WIRE ANCHORS. CONTRACTOR TO PROVIDE SUBMITTAL FOR ANCHOR PLAN FROM FLORIDA STRUCTURAL ENGINEER.
18. INCLUDE CHEMICAL FEEDER. SEE HOT WATER FLOW DIAGRAM
19. FUTURE 10" DUCT SHOWN FOR CLARIFICATION ONLY



CONSTRUCTION DOCUMENT SUBMISSION – 3
AREA OF WORK – FULLY SPRINKLERED

Revisions	Date
1 Amendment 1	07/09/08

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Drawing Title
MECHANICAL ROOF PLAN
SCALE: 1/8"=1'-0"

Approved: Director
Stephen M. Lucas
Approved: Chief Projects
Jeffrey J. Karaonovich
Approved: Chief Facilities Management Service
Ronald Stipp

Project Title
James A. Haley Veterans Hospital
Polytrauma Unit - 5 West Renovations
13000 BRUCE B. DOWNS BLVD.

Location
Tampa, Florida

Date 03/31/2008 | Checked MTV | Drawn ASC

Project Number 673-341
Building Number 1
Drawing Number M-181WR
Dwg. 4 of 11

Office of Facilities Management
Department of Veterans Affairs

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