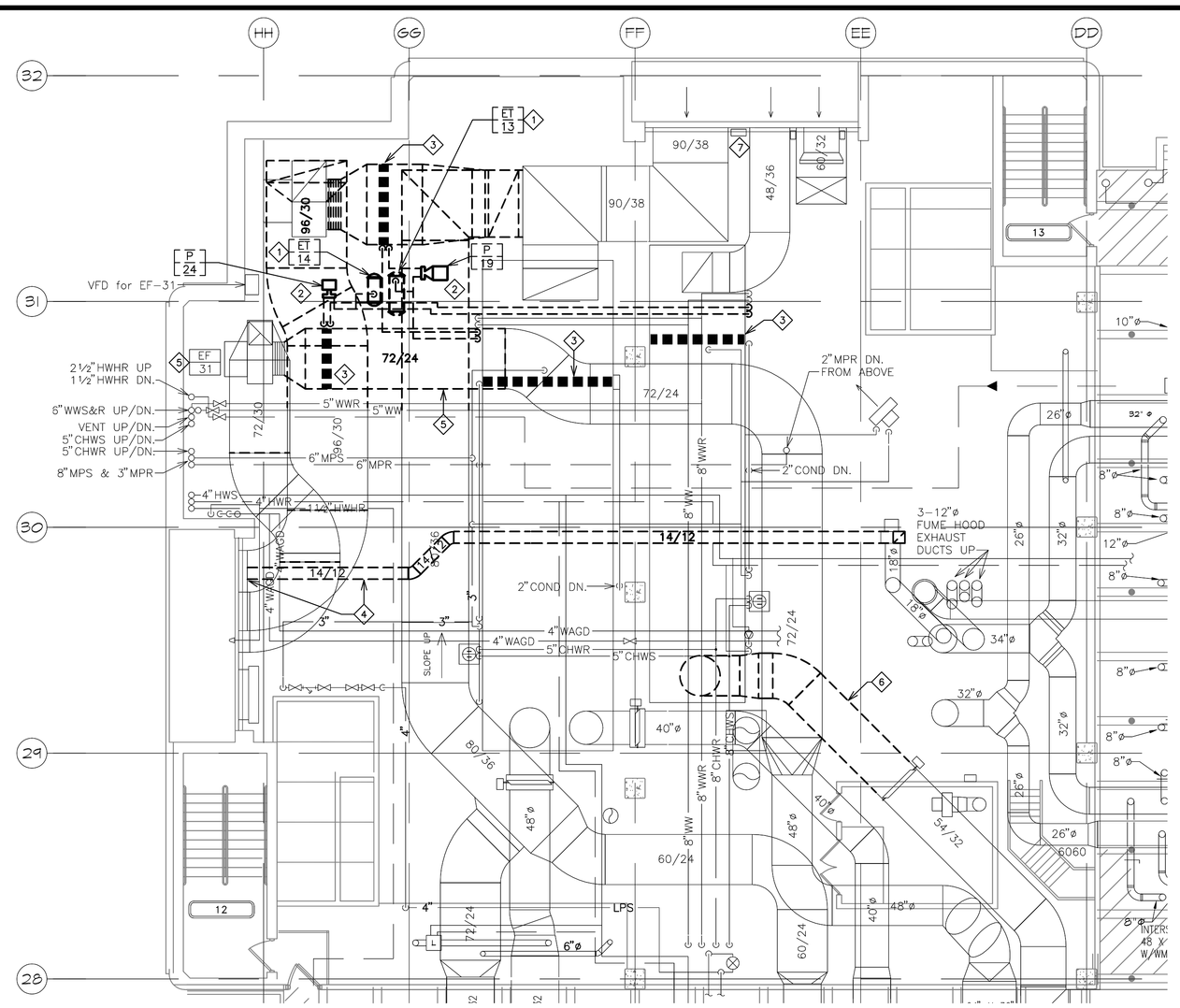
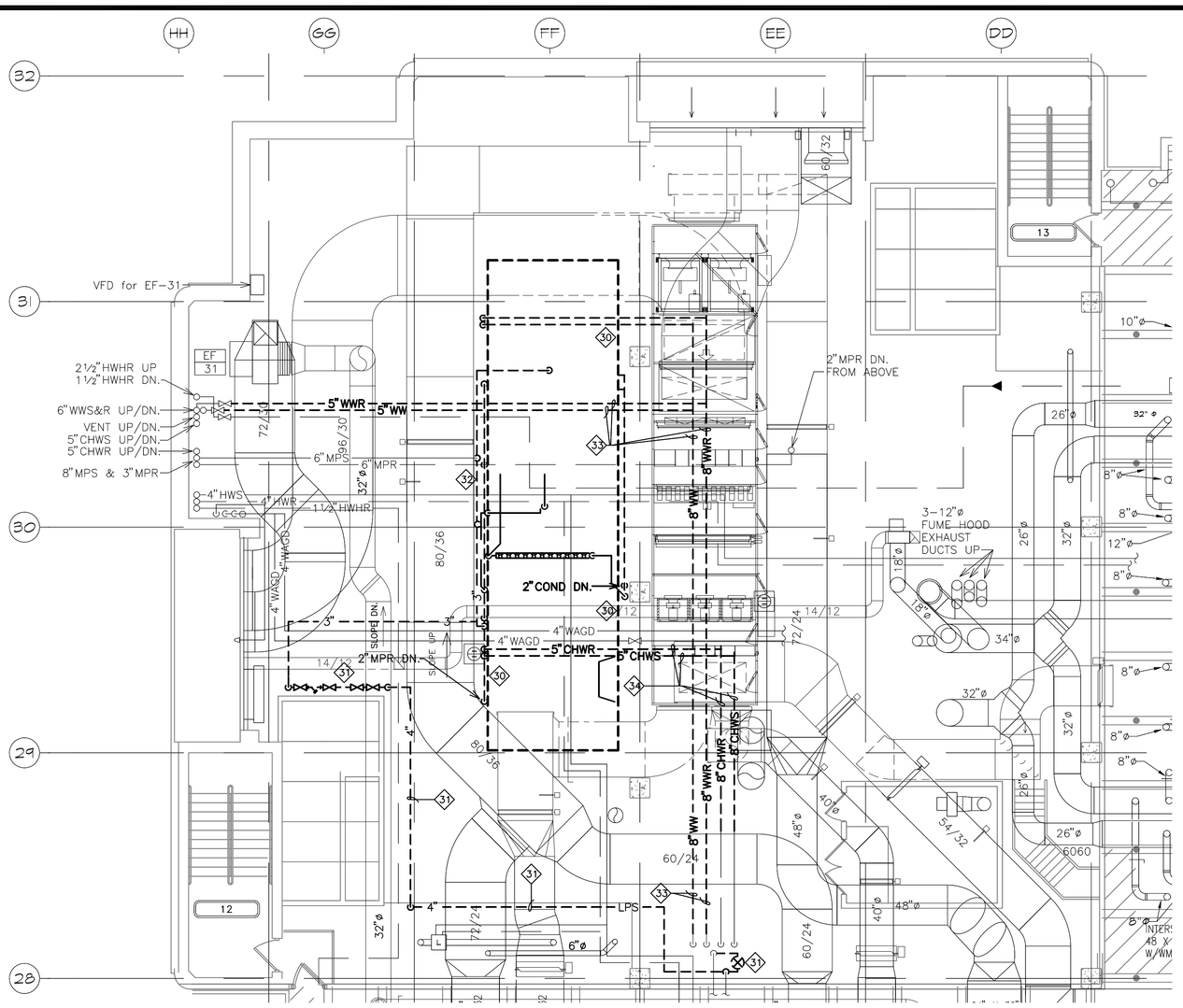
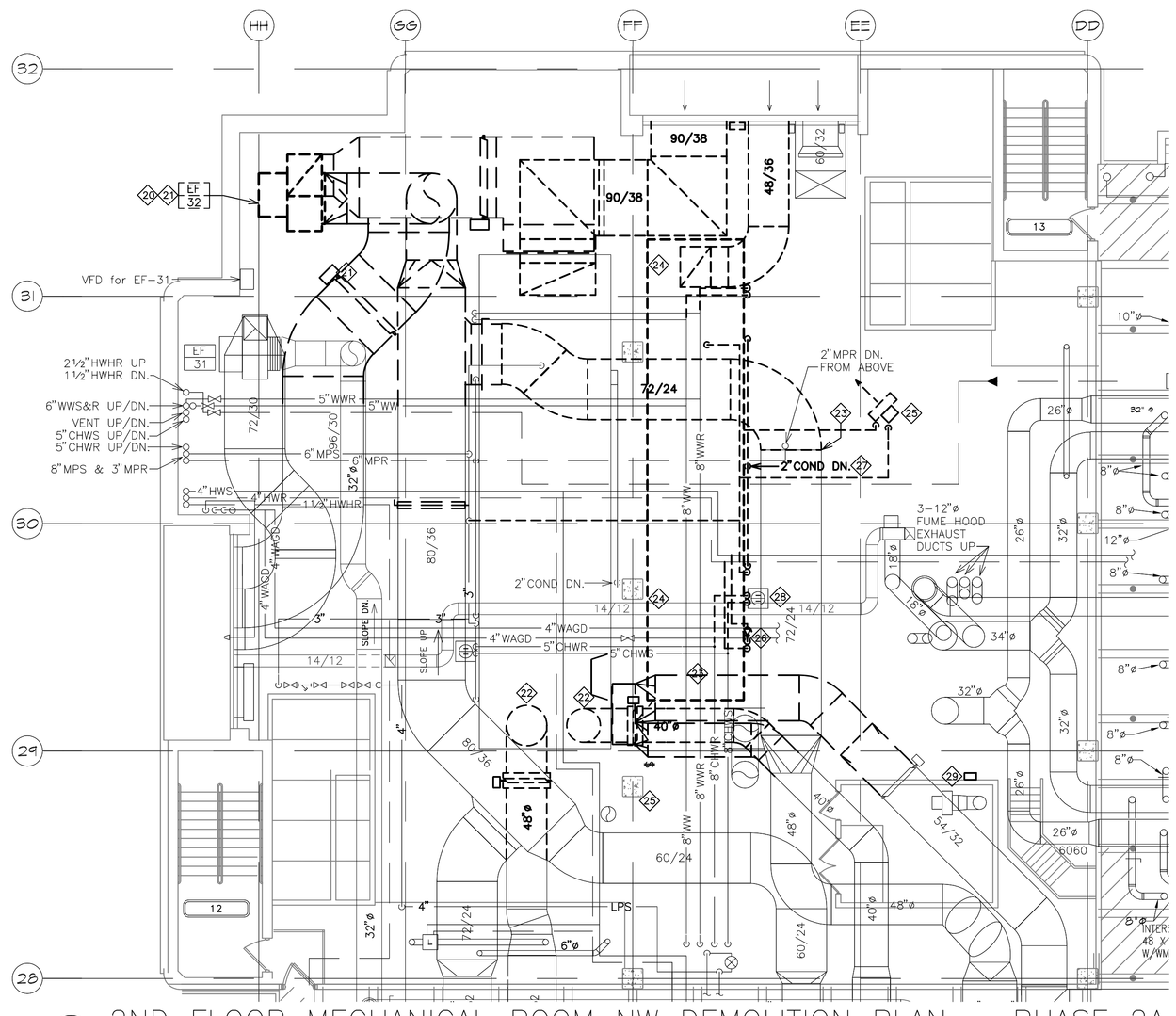


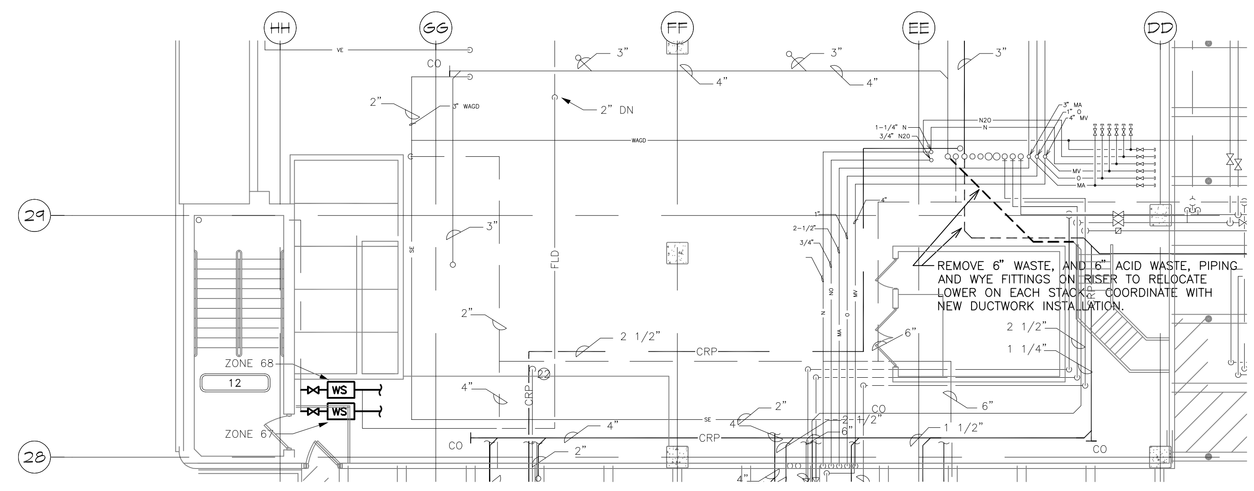
1 2ND FLOOR MECHANICAL ROOM NW DEMOLITION PLAN – PHASE 1A
SCALE: 1/8"=1'-0"



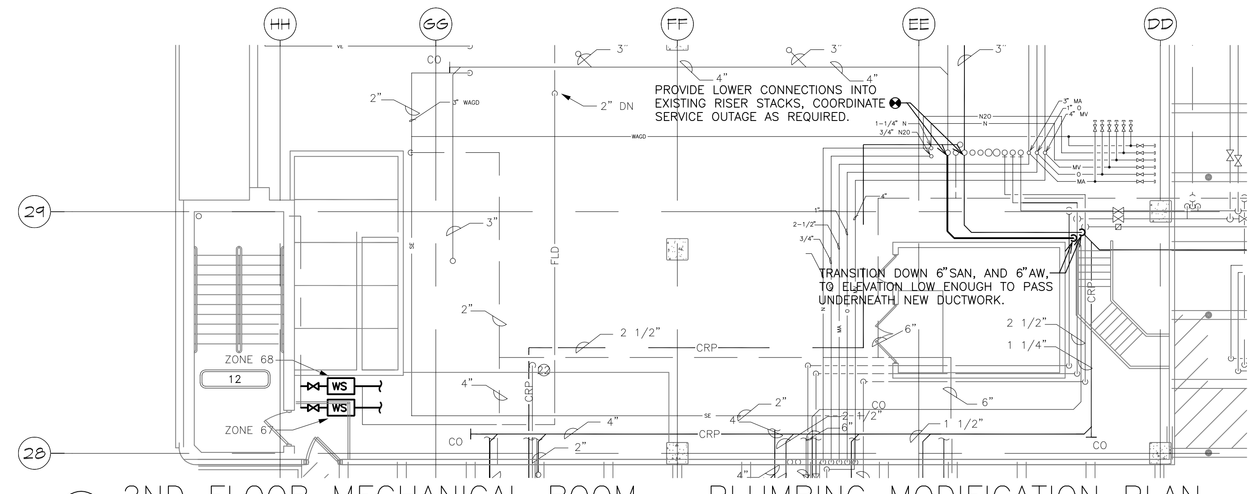
3 2ND FLOOR MECHANICAL ROOM NW DEMOLITION PLAN – PHASE 3A
SCALE: 1/8"=1'-0"



2 2ND FLOOR MECHANICAL ROOM NW DEMOLITION PLAN – PHASE 2A
SCALE: 1/8"=1'-0"



4 2ND FLOOR MECHANICAL ROOM – PLUMBING DEMOLITION PLAN
SCALE: 1/8"=1'-0"



5 2ND FLOOR MECHANICAL ROOM – PLUMBING MODIFICATION PLAN
SCALE: 1/8"=1'-0"

KEY NOTES:

PHASE 1A –

1. DEMOLISH EXISTING EXPANSION TANK.
2. DEMOLISH EXISTING GLYCOL RUN AROUND LOOP PUMP AND ALL RELATED ELECTRICAL, AND CONTROLS, WIRING CONNECTIONS. VERIFY IF OWNER WANTS TO SALVAGE PARTS FROM PUMP PRIOR TO REMOVAL FROM SITE FOR DISPOSAL.
3. DEMOLISH EXISTING HEAT RECOVERY COIL FROM AHU CASING, OR DUCTWORK. VERIFY APPROPRIATE PHASE FOR COMPLETE REMOVAL TO LIMIT SYSTEM OUTAGES.
4. REMOVE EXISTING EXHAUST DUCT CONNECTION TO RELIEF LOUVER PLENUM TO ALLOW SPACE FOR NEW DUCTWORK. PATCH EXISTING LOUVER PANEL AND REFER TO NEW DUCTWORK INSTALLATION PLANS FOR REROUTING AND CONNECTION INTO NEW LOCATION ON LOUVER. COORDINATE THIS DEMOLITION, AND REINSTALLATION, EFFORT TO LIMIT EXHAUST OUTAGE TO AS SHORT OF A DURATION AS POSSIBLE.
5. DISCONNECT RETURN/EXHAUST DUCTWORK FOR AH2NW–20 INTO EXHAUST FAN, EF–31, INDICATED. EXISTING EXHAUST FAN TO REMAIN IN PLACE TO REUTILIZE FOR GENERAL EXHAUST TO SURGERY SUITES, REFER TO DRAWING DETAIL 1/MH2.3. MECHANICAL CONTRACTOR TO COORDINATE THIS TRANSITION TO HAPPEN DURING A MINIMAL OUTAGE PERIOD DURING A SCHEDULED UNOCCUPIED WEEKEND.
6. DISCONNECT SUPPLY DUCT CONNECTION TO AH2NW–20 AND PREPARE FOR RECONNECTION INTO AH2NW–19, SEE DRAWING DETAIL 1/MH2.3. COORDINATE OUTAGE FOR INSTALLATION EFFORT DURING OVERTIME, OR WEEKEND, PERIODS CLOSELY SCHEDULED THROUGH OWNER'S PROJECT MANAGER.
7. REMOVE EXISTING CONDUIT AND DAMPER CONTROLS FOR REINSTALLATION IN ADJACENT AREA TO PROVIDE ROOM FOR NEW INTAKE DUCT CONNECTIONS. VERIFY ALL ACTIVE CONTROLS AND POWER WIRING/CONDUIT NECESSARY FOR RELOCATION.

PHASE 2A –

20. ONCE ALL NEW BACK FEED CONNECTIONS ARE MADE TO SERVE ENTIRE SUITE THROUGH AH2NW–20 THEN THE TEMPORARY RETURN DUCT TO/FROM EF–32 MAY BE REMOVED. REMOVE ALL CORRESPONDING TEMPORARY CONTROL DAMPERS AND BALANCING DAMPERS INDICATED. COORDINATE THIS DEMOLITION, AND REINSTALLATION, EFFORT TO LIMIT EXHAUST OUTAGE TO AS SHORT OF A DURATION AS POSSIBLE.
21. EXISTING EXHAUST FAN TO BE REMOVED AFTER IT IS NO LONGER NEEDED FOR TEMPORARY RETURN FAN SERVICE. VERIFY WITH VA FACILITIES IF ANY MOTORS OR FAN COMPONENTS ARE DESIRED FOR SALVAGE. COORDINATE DEMOLITION OF POWER, AND CONTROLS, WIRING WITH APPROPRIATE CONTRACTORS.
22. DISCONNECT SUPPLY DUCT CONNECTION TO AH2NW–19 AND PREPARE FOR RECONNECTION INTO BRAND NEW AH2NW–20, SEE DRAWING DETAIL 2/MH2.3. COORDINATE OUTAGE FOR INSTALLATION EFFORT DURING OVERTIME, OR WEEKEND, PERIODS CLOSELY SCHEDULED THROUGH OWNER'S PROJECT MANAGER. SALVAGE EXISTING SMOKE DAMPER SHOWN FOR REMOVAL AND REINSTALL FURTHER DOWN DUCT MAIN WHERE INDICATED.
23. REMOVE TEMPORARY SUPPLY, AND RETURN, DUCT CONNECTIONS USED TO BACK FEED AH2NW–20 AFTER NEW UNIT IS FULLY OPERATIONAL AND CONNECTED PER PHASE 2B DRAWINGS.
24. ONCE ALL AREAS SERVED BY AH2NW–20 HAVE BEEN BACK FEED AND BALANCED PER DRAWING DETAIL 1/MH2.3 THEN DISCONNECT ALL SERVICES TO THIS AIR HANDLING UNIT AND PREPARE FOR COMPLETE DEMOLITION AND DISPOSAL. COORDINATE DEBRIS REMOVAL WITH HOSPITAL FACILITIES AND PROVIDE ADEQUATE INFECTION CONTROL MEASURES WHILE DISSEMBLING PANELS WITH POTENTIAL WATER AND/OR MOLD ISSUES.
25. REMOVE EXISTING UNIT HEATER IN ITS ENTIRETY, INCLUDE WALL SWITCH AND THERMOSTATIC CONTROLS MOUNTED ON COLUMN.
26. REMOVE EXISTING REHEAT COIL WITHIN AHU ALONG WITH ALL ASSOCIATED PIPING, VALVES, AND INLINE BOOSTER PUMP. REFER TO ELECTRICAL DRAWINGS FOR REMOVAL OF POWER WIRING FOR PUMP.
27. REMOVE STEAM CONDENSATE DOWN THROUGH FLOOR AND ADJUST TO REPENETRATE AT A LOCATION CLEAR OF NEW AHU CURBING, REFER TO NEW FLOOR PLANS.
28. REMOVE AND RELOCATE FLOOR DRAIN, OR PROVIDE AHU CURBING OFFSET TO ALLOW LEAVING IN PLACE IF JUST UNDER EDGE OF AHU AND STILL ACCESSIBLE FOR SERVICING.
29. RELOCATE DISCONNECT FOR EXHAUST 70–EF–135.

PHASE 3A –

30. ONCE ALL AREAS SERVED BY AH2NW–19 HAVE BEEN BACK FEED AND BALANCED PER DRAWING DETAIL 2/MH2.3 THEN DISCONNECT ALL SERVICES TO THIS AIR HANDLING UNIT AND PREPARE FOR COMPLETE DEMOLITION AND DISPOSAL. COORDINATE DEBRIS REMOVAL WITH HOSPITAL FACILITIES AND PROVIDE ADEQUATE INFECTION CONTROL MEASURES WHILE DISSEMBLING PANELS WITH POTENTIAL WATER AND/OR MOLD ISSUES.
31. REMOVE REMAINING PORTIONS OF PREVIOUSLY ABANDONED STEAM PRESSURE REDUCING STATION, INCLUDING ALL BYPASS VALVES AND PIPING. COORDINATE SERVICE OUTAGE TO CAP EXISTING PIPING AT MAIN AND REMOVE ALL PIPING, AND END OF MAIN STEAM TRAP, INDICATED ON DRAWING ALONG WITH ANY OTHER CONTROLS OR PIPING COMPONENTS.
32. REMOVE ALL STEAM PIPING INDICATED. 2" CONDENSATE RETURN DOWN THROUGH FLOOR MAY REMAIN IN PLACE FOR RECONNECTION TO NEW STEAM PIPING SERVICES.
33. REMOVE ALL ABANDONED WELL WATER PIPING MAINS THROUGH THIS AREA AS INDICATED. NOTE THAT THESE MAINS MAY BE REMOVED IN EARLIER PHASES IF NECESSARY TO AVOID SPACE CONFLICTS WITH NEW PIPING OR DUCTWORK. PROVIDE FULL SIZED ISOLATION VALVES, OR LEAVE EXISTING IN PLACE WHERE APPLICABLE, AT ALL POINTS OF DISCONNECTION TO MAIN SERVICE PIPING.
34. REMOVE CHILLED WATER PIPING INDICATED. COORDINATE TEMPORARY PIPING OR VALVES TO KEEP SYSTEM OUTAGES TO THE SHORTEST DURATION POSSIBLE. COORDINATE URGENCY WITH ENGINEER BASED ON SEASONAL CONCERNS DURING PROPOSED OUTAGE SCHEDULE.

CD ISSUE
FULLY SPRINKLERED

GENERAL NOTES:

GENERAL CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS SHOWN ON THESE PLANS AND SHALL BE RESPONSIBLE FOR VARIATIONS BETWEEN PLAN DIMENSIONS AND ACTUAL FIELD DIMENSIONS. WHERE VARIATIONS ARE FOUND TO OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION; NO ADJUSTMENT TO THE WORK WILL BE MADE WITHOUT THE PRIOR APPROVAL OF THE PROJECT ENGINEER.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL DEMOLITION INCLUDING REMOVAL OF WALLS, PARTITIONS, DOORS & CEILING & FLOORS. ANY AND ALL CUTTING OF CONCRETE FLOORS, WALLS OR STRUCTURE SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY. CORE DRILLING THROUGH CONCRETE WALLS, FLOORS OR STRUCTURE FOR PIPING OR CONDUIT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR BY TRADE; FIRESTOPPING OF THESE OPENINGS SHALL BE DONE BY THE RESPECTIVE SUBCONTRACTOR. REMOVAL OF DEBRIS RESULTING FROM DEMOLITION, CUTTING, AND/OR DRILLING IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PATCHING AND REPAIR OF CONCRETE WALLS, FLOOR, OR STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR; THIS WILL BE ACCOMPLISHED UPON COMPLETION OF THE INSTALLATION OF ANY AND ALL UTILITIES INSTALLED BY THE VARIOUS SUBCONTRACTORS.

DUNHAM
Dunham Associates, Inc.
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering
PROJECT NUMBER: 0414950-004-00

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.
JASON GOTTWALT, PE
Date 08/08/2014 Reg. No. 41360

Drawing Title: 2ND FLOOR MECHANICAL ROOM NORTHWEST DEMOLITION PLAN
Project Title: UPGRADE AHU'S PHASE 2
Project No.: 618-13-130
Building Number: 70
Drawing Scale: AS NOTED
Plot Scale: 12" = 1'-0"
Approved: Catherine Joyce, Chief, Projects Section
Approved: Steven Challeen, Director, Engineering
Location: V.A. MEDICAL CENTER ONE VETERANS DRIVE MINNEAPOLIS, MN 55417
Date: 08/08/2014
Checked: JRG
Drawn: JG/RF
DRAWING NO.: 1293-70-MH2.2
Dwg. 11 of 30

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Department of Veterans Affairs