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ISSUED FOR CONSTRUCTION DOCUMENTS (FINAL BD)	11/26/13
ISSUED FOR 100% DESIGN SUBMITTAL	10/29/13
ISSUED FOR 75% DESIGN DEVELOPMENT	06/22/2013
Revised	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

EPSTEIN
600 West Fulton Street
Chicago, Illinois 60661

Drawing Title

MECHANICAL ROOM

PIPING PLAN

Project Title

REPLACEMENT OF AHU AC-30
IN BUILDING 11A

Project Number

537-10-122

Building Number

BUILDING 11A

Office of
Construction

and Facilities
Management



2 MECHANICAL PIPING DEMO PLAN

1/2" = 1'-0"



1 MECHANICAL PIPING FLOOR PLAN

1/2" = 1'-0"



FULLY SPRINKLERED

Scale: 1/2"=1'-0"

GENERAL DEMO NOTES:

1. DISCONNECT CHILLED WATER SUPPLY AND RETURN FROM THE ISOLATION VALVES OF COOLING COIL, HEATING COIL, AND STEAM HUMIDIFIER, CAPED OFF FOR NEW EQUIPMENT CONNECTION.

KEY NOTES:

1. DEMO STEAM AND COND. CONNECTION TO EXISTING HUMIDIFIER OF AC-30.
2. DEMO CHS & GHR CONNECTION TO EXISTING COOLING COIL OF AC-30
3. DEMO CHS & GHR CONNECTION TO EXISTING HEATING COIL OF AC-30
4. EXISTING STEAM POWERED CONDENSING PUMP TO REMAIN
5. EXISTING CONTROL PANEL OF AC-30 TO REMAIN
6. EXISTING SPRINKLER PIPING ABOVE OR NEARBY AC-30 TO REMAIN BUT NEED TO REMOVE SPRINKLER HEADS COORDINATE WITH NEW AC-30 AND ASSOCIATED DUCT.

GENERAL NOTES:

1. PROVIDE NEW CONTROL VALVES FOR COOLING COIL, PRE-HEATING COIL, HEATING COIL, AND HUMIDIFIER.
2. COORDINATE WITH NEW DUCTWORK AND AHU. REMOVE FIRE SPRINKLER HEADS PRIOR TO DEMOLITION.
3. SPRINKLER HEADS LOCATED ABOVE AND NEAR AC-30 AND EF-30 SHOULD BE MOVED DURING THE DEMOLITION WORK AND RE-INSTALLED IN THE NEW DUCTWORK.
4. COORDINATE WITH NEW DUCTWORK AND AHU. RELOCATE EXISTING SPRINKLER PIPING ABOVE AND NEAR AC-30 AND EF-30. CONTRACTOR NEEDS TO COORDINATE WITH OWNER TO ARRANGE THE DOWNTIME IF THERE IS ANY.

KEY NOTES:

1. 3" GWS & 3" CWR CONNECTED TO NEW COOLING COIL (CWC-1) OF AC-30 WITH NEW TWO-WAY CONTROL VALVE.
2. 2-1/2" GWS & 2-1/2" GHR CONNECTED TO NEW PRE-HEATING COIL (PHWC-1) OF AC-30 WITH EXISTING THREE-WAY CONTROL VALVE.
3. 2" GWS & 2" GHR CONNECTED TO NEW HEATING COIL (HWC-2) OF AC-30 WITH EXISTING THREE-WAY CONTROL VALVE.
4. 1" MFS CONNECTED TO NEW HUMIDIFIER (SH-1) OF AC-30.
5. NEW 3/4" MFR FROM SH-1.
6. PIPES FROM COOLING COIL DRAIN PAN AND HUMIDIFIER DRAIN PAN TO THE EXISTING FLOOR DRAIN.

