RECOMMENDED REMOVAL & INSTALLATION PROCEDURE

REMOVAL

DISASSEMBLE EXISTING AHU S-10B INTO PIECES CAPABLE OF REMOVAL THROUGH EXISTING DOUBLE DOORS LOCATED IN WEST WALL ALONG COLUMN LINE N. REMOVE THE EXISTING UNIT ENTIRELY FROM THE SITE.

INSTALLATION OF NEW AHU S-10B

NEW AHU S-10B TO BE DELIVERED TO SITE IN SECTIONS CAPABLE OF ENTRY THROUGH DOUBLE DOORS LOCATED IN WEST WALL ALONG COLUMN LINE N. UNIT TO BE ASSEMBLED AFTER ALL PARTS HAVE BEEN PLACED IN ITS FINAL LOCATION I.E. ON THE CONCRETE PAD THAT SERVED THE EXISTING UNIT WITHIN THE ROOF PENTHOUSE.

TEMPORARY HVAC UNIT

A TEMPORARY HVAD UNIT WILL BE REQUIRED TO MAINTAIN ENVIRONMENTAL CONDITIONS WITHIN THE INTERIOR SPACED SERVED BY AHU S-10B DURING UNIT REPLACEMENT. TEMPORARY UNIT TO BE A PACKAGED SELF CONTAINED UNIT CAPABLE OF PROVIDING THE REQUIRED HVAC TO THE INTERIOR SPACES WITHOUT CONNECTIONS TO THE EXISTING BUILDING PIPING SYSTEMS. ELECTRICAL SERVICE WILL BE AVAILABLE AT THE UNIT LOCATION. CONTRACTOR TO LOCATE TEMPORARY HVAC UNIT ON ROOF ADJACENT TO EXISTING PENTHOUSE. CONTRACTOR RESPONSIBLE FOR ALL CONNECTIONS TO INSURE PROPER OPERATION OF EXISTING HVAC SYSTEM DURING CONSTRUCTION.

CONTRACTOR TO DISASSEMBLE AND REMOVE TEMPORARY UNIT FROM SITE AFTER NEW UNIT IS IN PLACE AND OPERATING SATISFACTORILY.

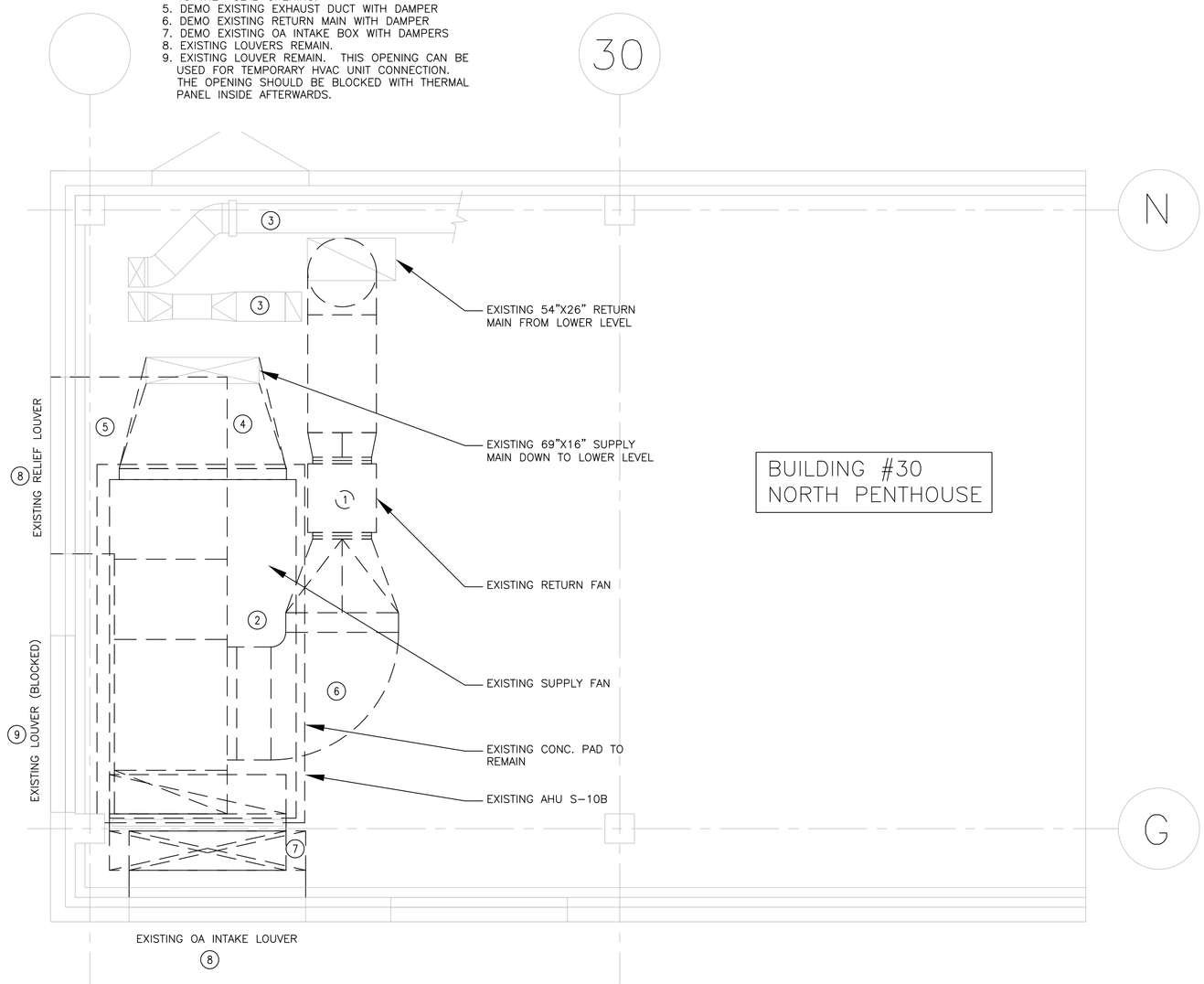
CONTRACTOR RESPONSIBLE FOR PROTECTING EXISTING ROOF MEMBRANE IN AREAS FOR STAGING, DEMOLITION, NEW CONSTRUCTION AND LOCATION OF TEMPORARY HVAC UNIT.

KEY NOTES:

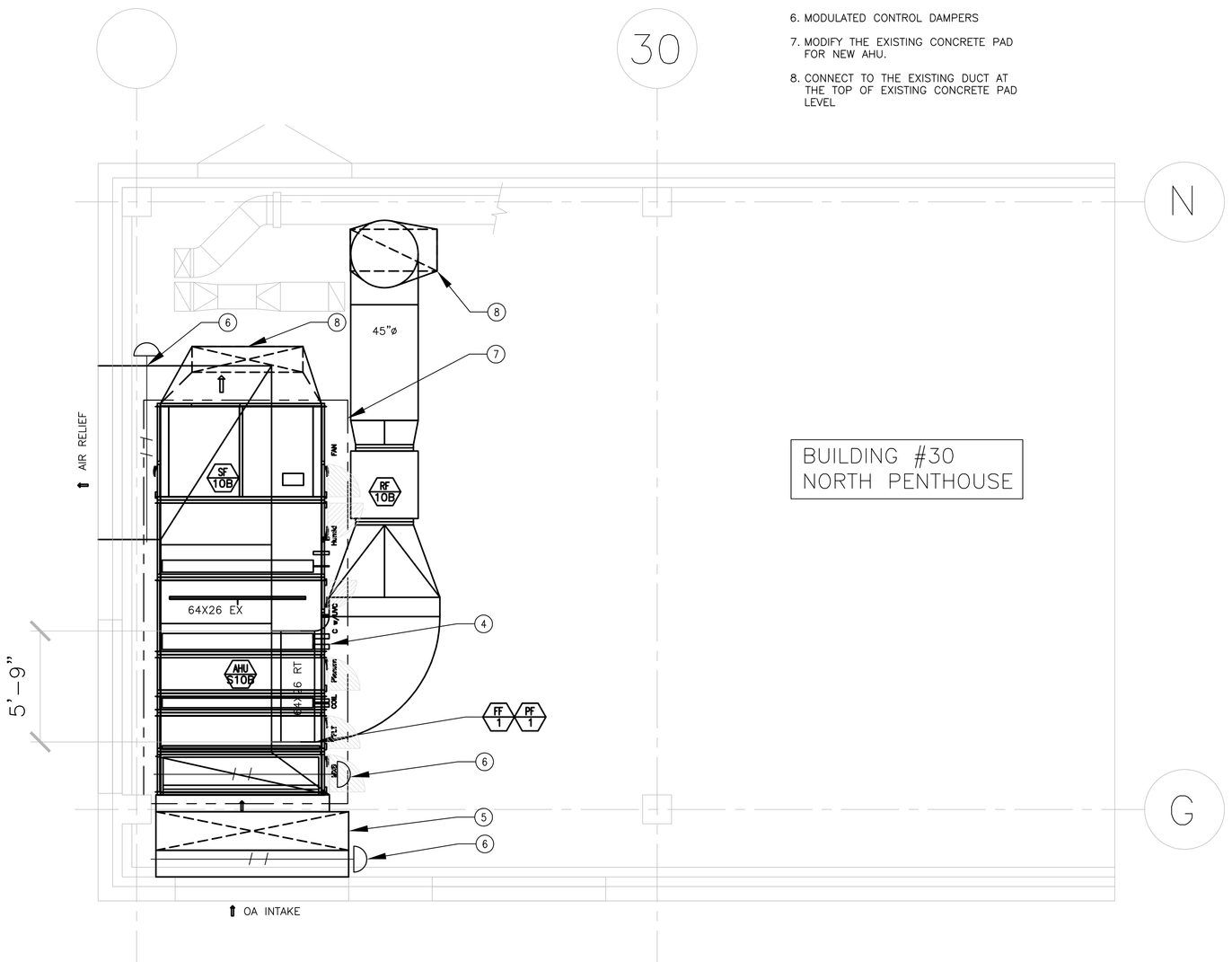
1. REMOVE EXISTING RETURN FAN
2. REMOVE EXISTING AHU S-10B
3. EXISTING DUCTWORK REMAIN
4. DEMO EXISTING SUPPLY MAIN FROM AHU S-10B TO THE SLAB OPENING.
5. DEMO EXISTING EXHAUST DUCT WITH DAMPER
6. DEMO EXISTING RETURN MAIN WITH DAMPER
7. DEMO EXISTING OA INTAKE BOX WITH DAMPERS
8. EXISTING LOUVERS REMAIN.
9. EXISTING LOUVER REMAIN. THIS OPENING CAN BE USED FOR TEMPORARY HVAC UNIT CONNECTION. THE OPENING SHOULD BE BLOCKED WITH THERMAL PANEL INSIDE AFTERWARDS.

GENERAL NOTES:

1. PROVIDE NEW CONTROL VALVES FOR COOLING COIL, HEATING COIL, AND HUMIDIFIER.
2. EXISTING VFDS FOR SUPPLY FAN AND RETURN FAN TO BE REUSED FOR NEW FANS.
3. EXISTING DDC CONTROL PANEL TO BE REUSED FOR NEW AHU S-10B.
4. EXISTING CONCRETE PAD
5. NEW O.A. INTAKE BOX.
6. MODULATED CONTROL DAMPERS
7. MODIFY THE EXISTING CONCRETE PAD FOR NEW AHU.
8. CONNECT TO THE EXISTING DUCT AT THE TOP OF EXISTING CONCRETE PAD LEVEL



2 MECHANICAL VENTILATION DEMO PLAN
1/4" = 1'-0"



1 MECHANICAL VENTILATION FLOOR PLAN
1/4" = 1'-0"

FULLY SPRINKLERED

Scale: 1/4"=1'-0"

ISSUED FOR CONSTRUCTION DOCUMENTS (FINAL BID)	07/25/12
ISSUED FOR 100% DESIGN SUBMITTAL	06/13/12
ISSUED FOR 50% DESIGN DEVELOPMENT	04/20/12
Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

EPSTEIN
600 West Fulton Street
Chicago, Illinois 60661

Drawing Title: MECHANICAL ROOM VENTILATION PLAN

Approved: Project Director

Project Title: REPLACEMENT OF AHU S-10B IN BUILDING 30

Location: 820 S. DAMEN AVE. CHICAGO, IL 60612

Date: 07/25/2012 | Checked: YW | Drawn: MS

Project Number: 537-07-138

Building Number: BUILDING 30

Drawing Number: 30-M-101

Dwg. 03 of 09

Office of Construction and Facilities Management

Department of Veterans Affairs

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