



Department of Public Works
Infrastructure Services Division
Bridges and Buildings

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September 20, 2016

Subject: Official Notice No. 107-1-2016

Municipal Building, 11th Floor
AHU 6-7
Cooling Coil Replacement
841 North Broadway
Milwaukee, Wisconsin

For which bid will be received on
Friday, September 23, 2016

Addendum No. 1

- A. In regard to our advertisement for the Municipal Building, 11th Floor, AHU 6-7, Cooling Coil Replacement, located at 841 North Broadway, Milwaukee, Wisconsin this attached Addendum No. 1 is issued to modify the original documents and is hereby made part of the proposal.
- B. Each bidder shall read the entire addendum. Proposals shall include all items included in this Addendum No. 1.

Very truly yours,

Craig S. Liberto, P.E.
Engineer in Charge, Bridges and Buildings Section

Official Notice No. 107-1-2016

Municipal Building, 11th Floor

AHU 6-7

Cooling Coil Replacement

841 North Broadway

Milwaukee, Wisconsin

Addendum No. 1

Immediately upon receipt of the addendum, please sign this receipt and return to DPW Infrastructure Services – Bridges and Buildings by email to Daniel Pitts (dpitts@milwaukee.gov) or Fax to (414) 286-5907.

Company Name

Name

Date



Addendum #1

Project: City of Milwaukee AHU-6/7 Cooling Coil Replacement

Official Notice No. 107-1-2016

Date: September 19, 2016

DRAWING CHANGES

Mechanical

<u>Sheet</u>	<u>Description of Revisions</u>
M1.11	Add the removal of an existing deflector box located over the existing heat reclaim coil in the mixing box section of the air handling unit. Refer to attached updated drawing M1.11
M2.11	Revise the location of the new baffle/diffuser plate in the existing air handling unit 6/7 to show the location of the baffle/diffuser upstream of the air filter section in the air handling unit. Refer to attached updated drawing M2.11

End of Addendum #1

GENERAL NOTES:

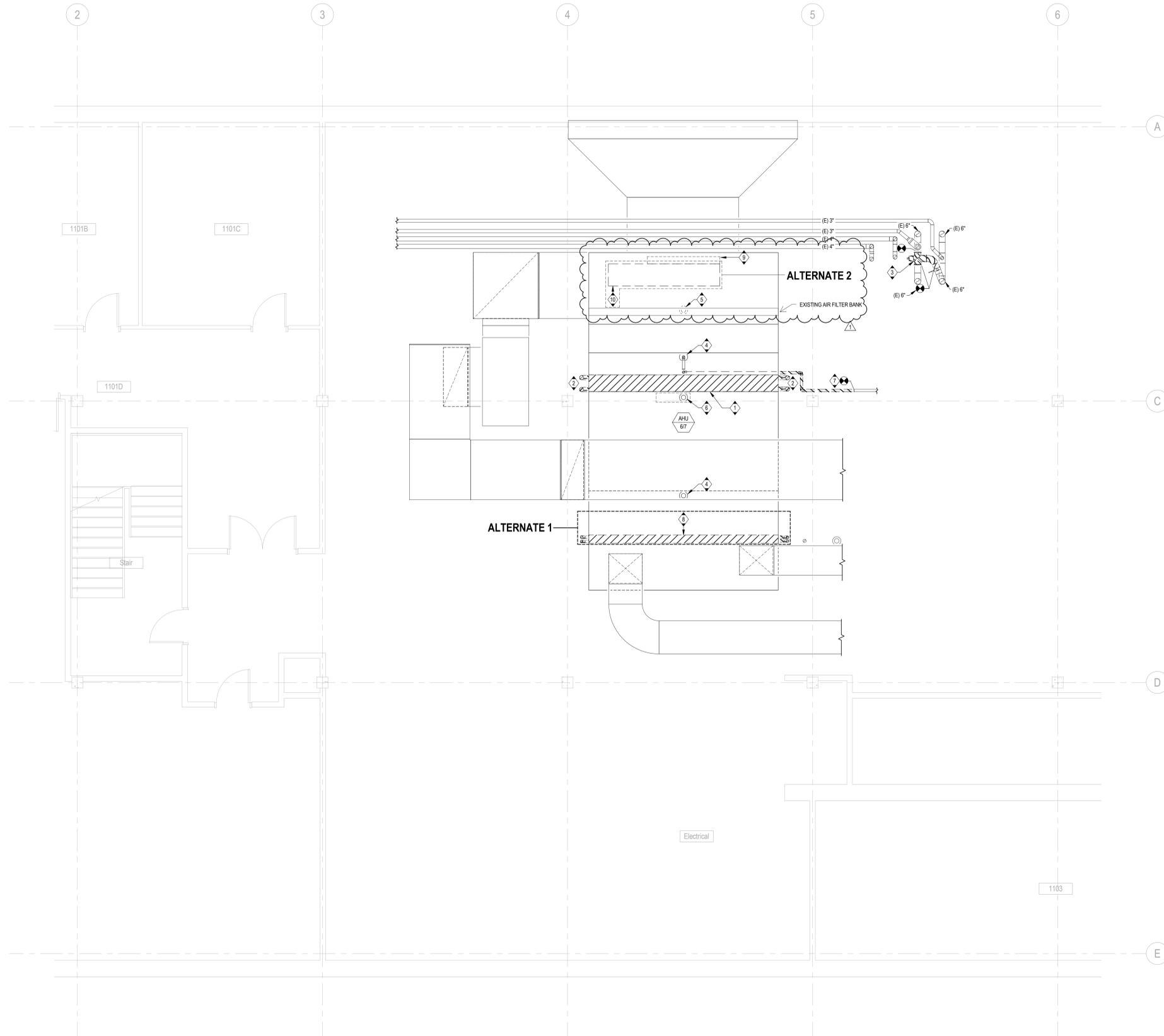
1. -

REFERENCE NOTES:

1. REMOVE EXISTING COOLING COILS IN THEIR ENTIRETY. CLEAN AND PREPARE AHU HOUSING FOR NEW COOLING COIL. SEE NEW WORK PLAN.
2. REMOVE EXISTING CHILLED WATER PIPING CONNECTIONS FROM THE COOLING COIL DOWN TO JUST ABOVE THE FLOOR LEVEL. SEE NEW WORK PLAN FOR NEW CONNECTIONS.
3. REMOVE EXISTING AHU-6/7 3-WAY CONTROL VALVE AND PIPING UP TO POINTS AS INDICATED. REMOVE BYPASS PIPING UP TO BUTTERFLY VALVE AND PROVIDE BLIND FLANGE ON BYPASS BUTTERFLY VALVE. SEE NEW WORK PLAN.
4. REMOVE EXISTING FLOOR DRAIN INSIDE AHU. INFILL CORE IN FLOOR AND REMOVE PIPING UP TO POINT AS INDICATED ON SHEET M1.10. SEAL FLOOR OPENING WATERTIGHT BY APPLYING CONCRETE SEALANT OR EPOXY AROUND THE INFILL AREA.
5. EXISTING FLOOR DRAIN TO REMAIN.
6. REMOVE EXISTING FLOOR DRAIN INSIDE AHU. INFILL CORE IN FLOOR AND SUMP PIT AND REMOVE PIPING UP TO POINT AS INDICATED ON SHEET M1.10. SEAL FLOOR OPENING WATERTIGHT BY APPLYING CONCRETE SEALANT OR EPOXY AROUND THE INFILL AREA.
7. REMOVE EXISTING STEAM PIPE CONDENSATE UP TO APPROXIMATE POINT AS INDICATED TO ALLOW FOR REROUTING THROUGH THE AHU. EXISTING STEAM TRAP SHALL REMAIN. SEE NEW WORK PLAN FOR NEW CONNECTIONS.
8. REMOVE ABANDONED REHEAT COIL AND ANY ASSOCIATED PIPING, ACCESSORIES AND SUPPORTS INSIDE AHU 6-7. ALL PIPING CONNECTIONS TO THE COIL AND ASSOCIATED VALVES, ACCESSORIES, HANGERS AND SUPPORTS OUTSIDE OF THE AHU SHALL BE DEMOLISHED AND PIPING SHALL BE CAPPED JUST ABOVE FLOOR LEVEL. AHU HOUSING SHALL BE PATCHED TO MATCH EXISTING AS REQUIRED AFTER REHEAT COIL REMOVAL.
9. EXISTING HEAT RECLAIM COIL TO REMAIN.
10. REMOVE EXISTING COIL BAFFLE AND ANY ASSOCIATED SUPPORTS INSIDE AHU 6-7.

ALTERNATE 1

ALTERNATE 2



11th Floor HVAC Plan - Demolition

1/4" = 1'-0"

No.	Revision	Date
1	ADDENDUM #1	06/19/2016

Project Status

Professional Seal(s)

Drawn By: **BLC**

Checked By: **DAR**

Approved By: **DAR**

Date Printed: **August, 2016**

File Name: **CHI-00233895-A0_Mechanical-Central.rvt**

Project Title

**City of Milwaukee AHU-6-7
 Cooling Coil Replacement**

Dwg. Title

**11th Floor HVAC Plan -
 Demolition**

City Project No: **BU110912191**

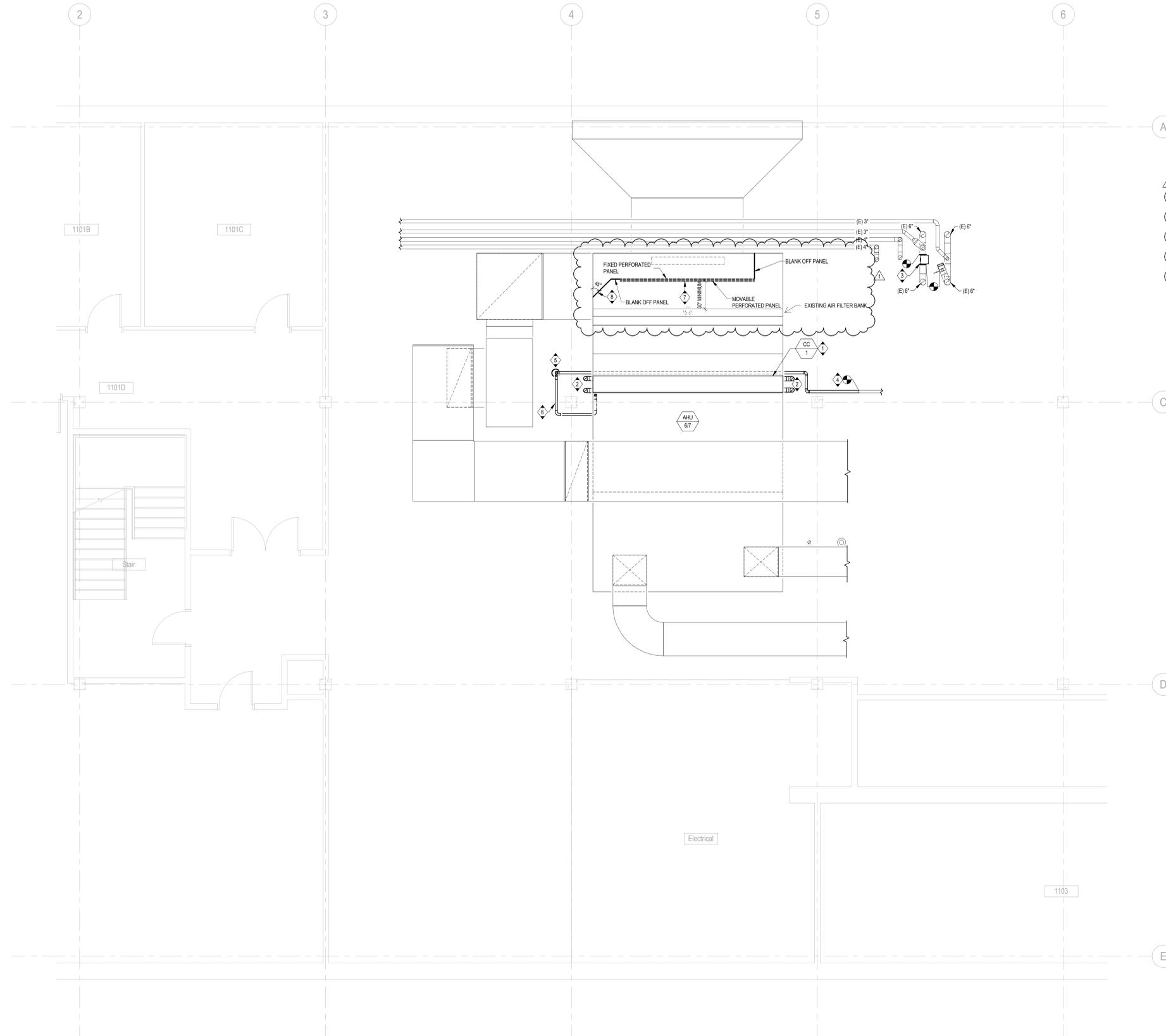
exp Project No: **CHI-00233895-A0**

Dwg. No.

M1.11

Rev. No.

1



GENERAL NOTES:

1. -

REFERENCE NOTES:

1. PROVIDE NEW COOLING COILS PER SCHEDULE ON SHEET M6.01. INSTALL COILS IN A 2X2 CONFIGURATION AND BLANK OFF ADDITIONAL UNUSED SPACE WITHIN THE AHU HOUSING. INSTALL COILS SUCH THAT ADDITIONAL COOLING COILS CAN BE INSTALLED ON TOP OF THE NEW COILS IN A 2X1 ARRANGEMENT IN THE EVENT ADDITIONAL CAPACITY IS NEEDED IN THE FUTURE. PATCH EXISTING AHU HOUSING AS REQUIRED TO MATCH EXISTING.
2. PROVIDE NEW HEADER PIPING TO COILS. CONNECT TO EXISTING CHILLED WATER SUPPLY AND RETURN PIPING AT FLOOR. REFER TO COOLING COIL DETAIL ON SHEET M6.01.
3. JOHNSON CONTROLS (ATC), UNDER A SEPARATE CONTRACT WITH THE CITY, SHALL FURNISH ALL CONTROL VALVES FOR INSTALLATION BY MC.
4. PROVIDE NEW STEAM CONDENSATE PIPING THROUGH AHU HOUSING TO NEW HUB DRAIN. CONNECT TO EXISTING AT APPROXIMATE LOCATION SHOWN. MAINTAIN PROPER PIPE ELEVATION AND SLOPE TO ALLOW FLOW TOWARDS FLOW DRAIN.
5. PROVIDE NEW 4" HUB DRAIN AT APPROXIMATE LOCATION. REFER TO SHEET M2.10 FOR DRAIN PIPING ON 10TH FLOOR.
6. PROVIDE NEW 1-1/4" CONDENSATE DRAIN PIPING FROM COOLING COIL DRAIN PAN THROUGH AHU HOUSING TO NEW HUB DRAIN AS INDICATED. MAINTAIN PROPER PIPE ELEVATION AND SLOPE TO ALLOW FLOW TOWARDS HUB DRAIN.

ALTERNATE 2

7. PROVIDE TWO 12"Wx6"H PERFORATED METAL PANELS CENTERED IN AIR FLOW STREAM OF COIL. ONE PANEL SHALL BE FIXED IN PLACE, WHILE SECOND PANEL SHALL BE INSTALLED IN A WAY THAT ALLOWS IT TO SLIDE ALONG FIRST PANEL TO CLOSE OFF FREE AREA OF PERFORATED PANELS. BLANK OFF PANELS SHALL BE INSTALLED AROUND THE FIXED PERFORATED PANEL TO CLOSE OFF REMAINING OPENING OF AHU HOUSING. SEE DETAILS ON SHEET M6.01 FOR MORE INFORMATION. ENTIRE METAL PANEL Baffle SHALL BE INSTALLED IN A WAY THAT ALLOWS IT TO BE REMOVABLE TO ALLOW ACCESS TO EXISTING HEAT RECLAIM COIL. Baffle PANELS SHALL BE INSTALLED A MINIMUM OF 30" FROM FILTER BANK FOR ACCESS.
8. PROVIDE 2"Wx12"H METAL PANEL AT RETURN AIR OPENING INTO AHU HOUSING AS SHOWN.

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1			06/19/2016

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Project Title
**City of Milwaukee AHU-6-7
 Cooling Coil Replacement**

Dwg. Title
**11th Floor HVAC Plan -
 New Work**

City Project No. **BU110912191**

exp Project No. **CHI-00233895-A0**

Dwg. No. **M2.11** Rev. No. **1**

11th Floor HVAC Plan - New Work

1/4" = 1'-0"