

**REQUEST FOR PROPOSAL**

Project Title: Cooley Laboratory Renovation  
Location: Montana State University

PPA No.: 10-0023  
RFP No.: 104  
Date: March 7, 2013

To: Dick Anderson Construction  
4498 Jackrabbit Lane  
Bozeman, MT 59718

Attention: Platisha

From: Cecilia Vaniman, Project Manager  
Cooley Lab Renovation  
Montana State University

Attention: \_\_\_\_\_

In order to expedite the Work and avoid or minimize delays in the Work the following information is requested. Please return a response by: 03/14/2013 Date Sent: 03/07/2013  
Date Received: \_\_\_\_\_

Proposal Requested:

**PROVIDE REVISED CONDENSATE PIPING @ STEAM BOILERS (EQ4) AND AUTOCLAVES AS SHOWN;**

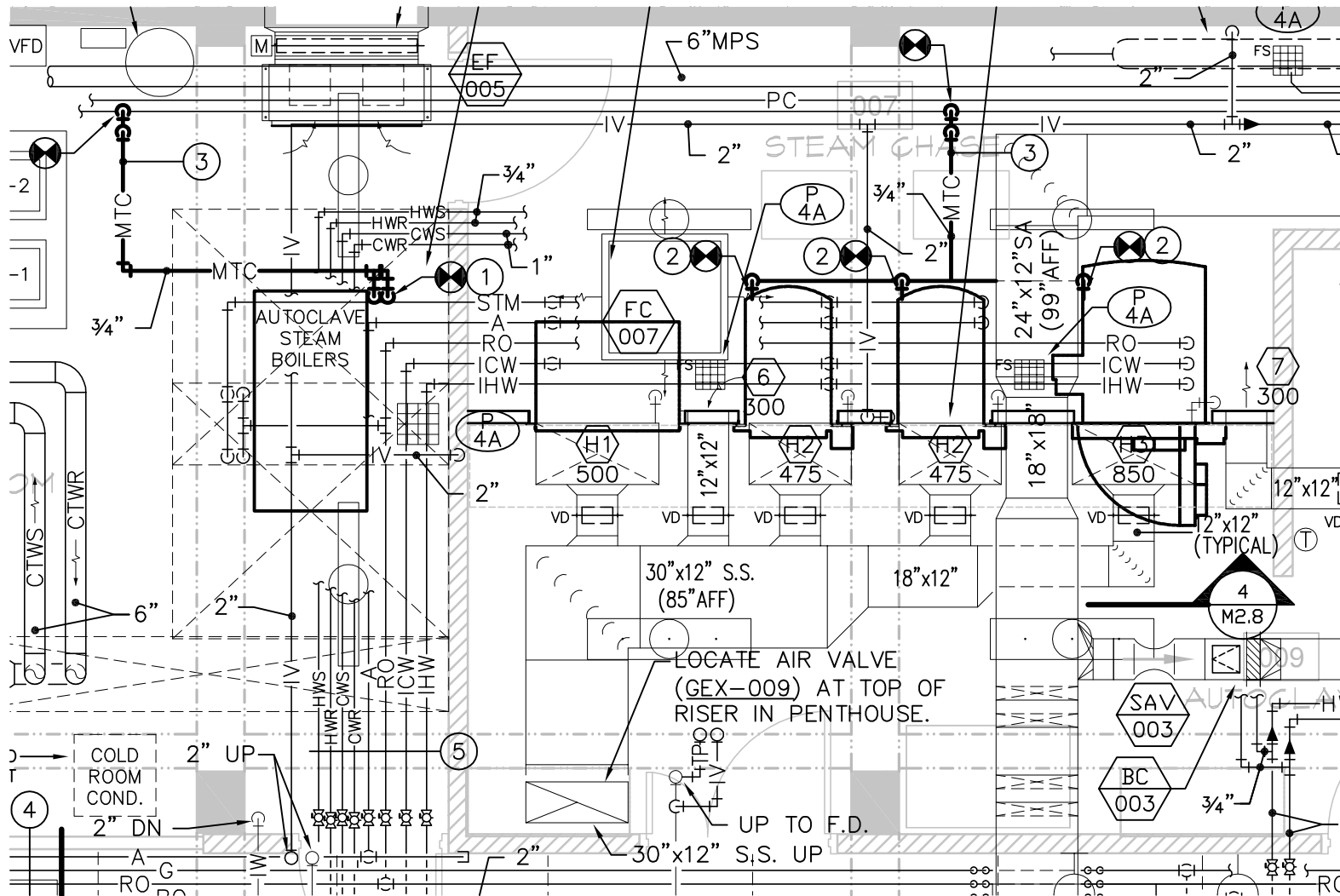
Scope of work includes; Division 15

Please provide and install condensate piping and insulation as shown on CM-19 and CM-20

ATTACHMENTS: GPD - Sheets CM-19 & CM-20

**This RFP is for pricing purposes only. The contractor shall not proceed with the scope of work described within until pricing is approved by the owner in writing.**

Distribution:  Owner  Architect  Engineer  
 Agency  Contractor  Other



**1 PARTIAL BASEMENT MECHANICAL PLAN (EAST)**  
 1/4"=1'-0"

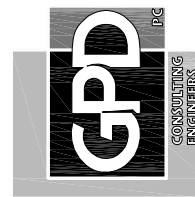
**SPECIFIC SHEET NOTES:**

- ① REMOVE TRAP CONDENSATE PIPING DOWNSTREAM OF THE STEAM SUPPLY DRIP TRAP FOR EACH BOILER. RE-ROUTE 3/4" TRAP DISCHARGE LINES OVERHEAD. JOIN THE LINES AND ROUTE TO 3/4" MEDIUM TEMPERATURE CONDENSATE RETURN LINE ON THE NORTH WALL FROM STEAM TRAP, ST-7. SEE DETAIL 1 ON ATTACHED SHEET CM-20.
- ② REMOVE TEMPERING WATER VALVE AND DRAIN ASSEMBLIES DOWNSTREAM OF THE STEAM SUPPLY DRIP TRAP FOR EACH AUTOCLAVE. RE-ROUTE 3/4" TRAP DISCHARGE LINES OVERHEAD. JOIN THE LINES TOGETHER AND ROUTE TO 3/4" MEDIUM TEMPERATURE CONDENSATE RETURN LINE ON THE NORTH WALL THAT SERVES STEAM TRAP ST-7. SEE DETAIL 1 SHEET CM-20.
- ③ ROUTE OVERHEAD PIPING AT APPROXIMATELY 6'-6" TO 7'-6" ABOVE FINISHED FLOOR.

REFERENCE DETAIL 1/M2.0.3.

524 FIRST AVENUE S  
 GREAT FALLS, MT 59401  
 PH 406.452.9558  
 FX 406.727.9720

2291 W BROADWAY  
 SUITE 4  
 MISSOULA, MT 59808  
 PH 406.721.5936  
 FX 406.721.8716



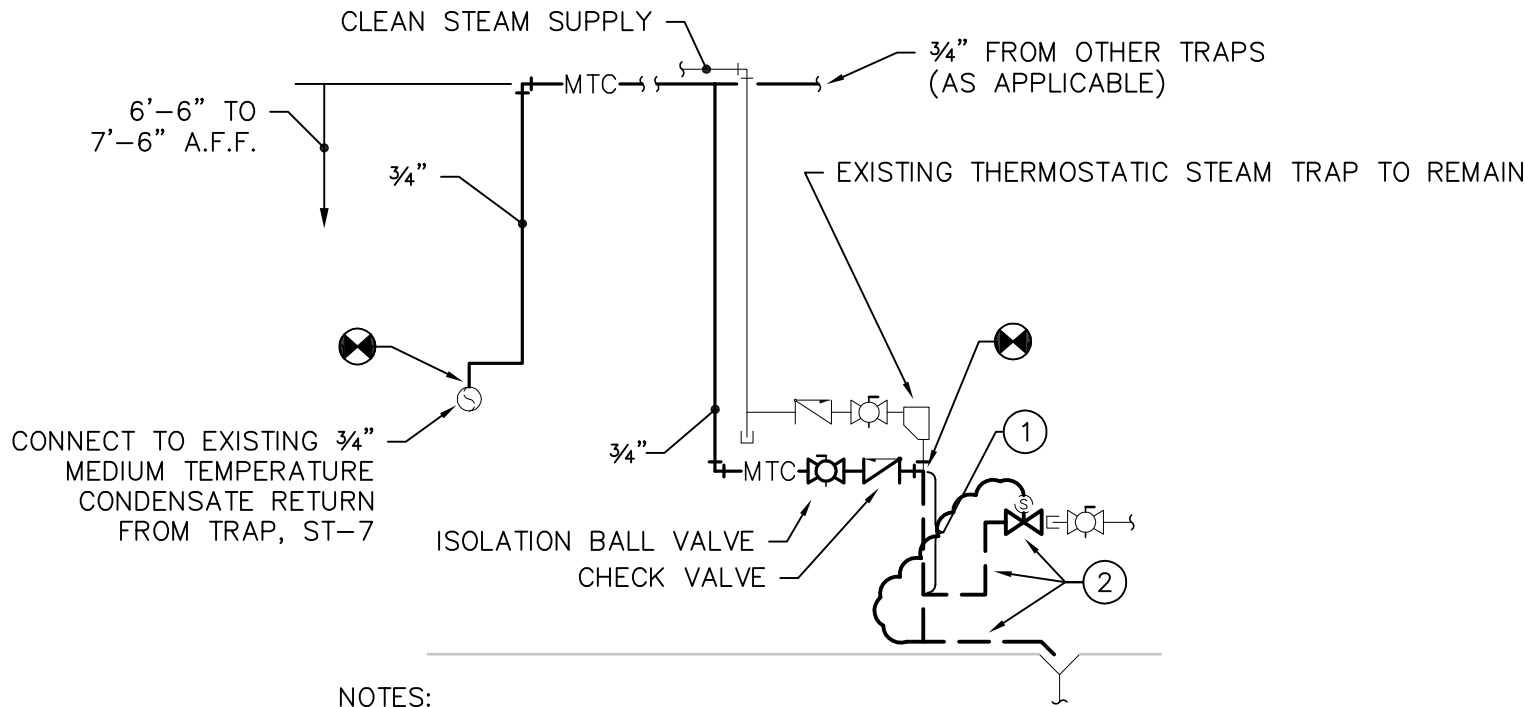
AUTOCLAVE CONDENSATE PIPING

MSU-COOLEY LAB RENOVATION  
 BOZEMAN, MONTANA

ISSUE: /-/-/ /-/-/ /-/-/

DATE 3/7/2013  
 PROJECT NUMBER 100104

DRAWING NUMBER CM-19  
 OF



**NOTES:**

- ① WHERE COMMON DRAINS ARE SERVED BY THE TEMPERING VALVE, SUCH AS AT THE BOILERS, REMOVE PIPING ASSOCIATED WITH TRAP DRAINAGE AND LEAVE TEMPERING VALVE AND OTHER DRAINS IN PLACE.
- ② WHERE THE TEMPERING VALVE SERVES ONLY THE TRAP DISCHARGE (AT AUTOCLAVES), REMOVE TEMPERING VALVE AND TURN OVER TO OWNER. REMOVE TRAP PIPING AND ALL DEDICATED DOWNSTREAM DRAIN PIPING AND CAP REMAINING COLD WATER LINE.

CONSTRUCT ALL NEW CONDENSATE PIPING AS SPECIFIED FOR PLANT STEAM CONDENSATE. INSULATE AS SPECIFIED FOR PLANT STEAM CONDENSATE..

**① CONDENSATE PIPING DETAIL**  
 SCALE: NONE (SIMILAR FOR BOILERS AND AUTOCLAVES)

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| ISSUE:<br>---/---/---<br>---/---/--- | DRAWING NUMBER<br><b>CM-20</b><br>OF |
| DATE<br><b>3/7/2013</b>              |                                      |
| PROJECT NUMBER<br><b>100104</b>      |                                      |

**AUTOCLAVE CONDENSATE PIPING DETAIL**

**MSU-COOLEY LAB RENOVATION  
 BOZEMAN, MONTANA**

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