



**Oregon State
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4/8/2019

Oregon State University
Construction Contract Administration
ITB 198622 - OWEN HALL MECHANICAL RENEWAL

ADDENDUM NO. 3

THIS ADDENDUM IS BEING ISSUED for clarification and/or revisions of the Solicitation Documents as noted. This document is hereby made a part of the Solicitation Documents to the extent as though it was originally included therein.

- ITEM NO. 1 The Bid Due Date/Time has been extended to Thursday April 11, 2019 at 2:00 PM Pacific Time.
- ITEM NO. 2 Included with this addendum is Sheet M1.0.

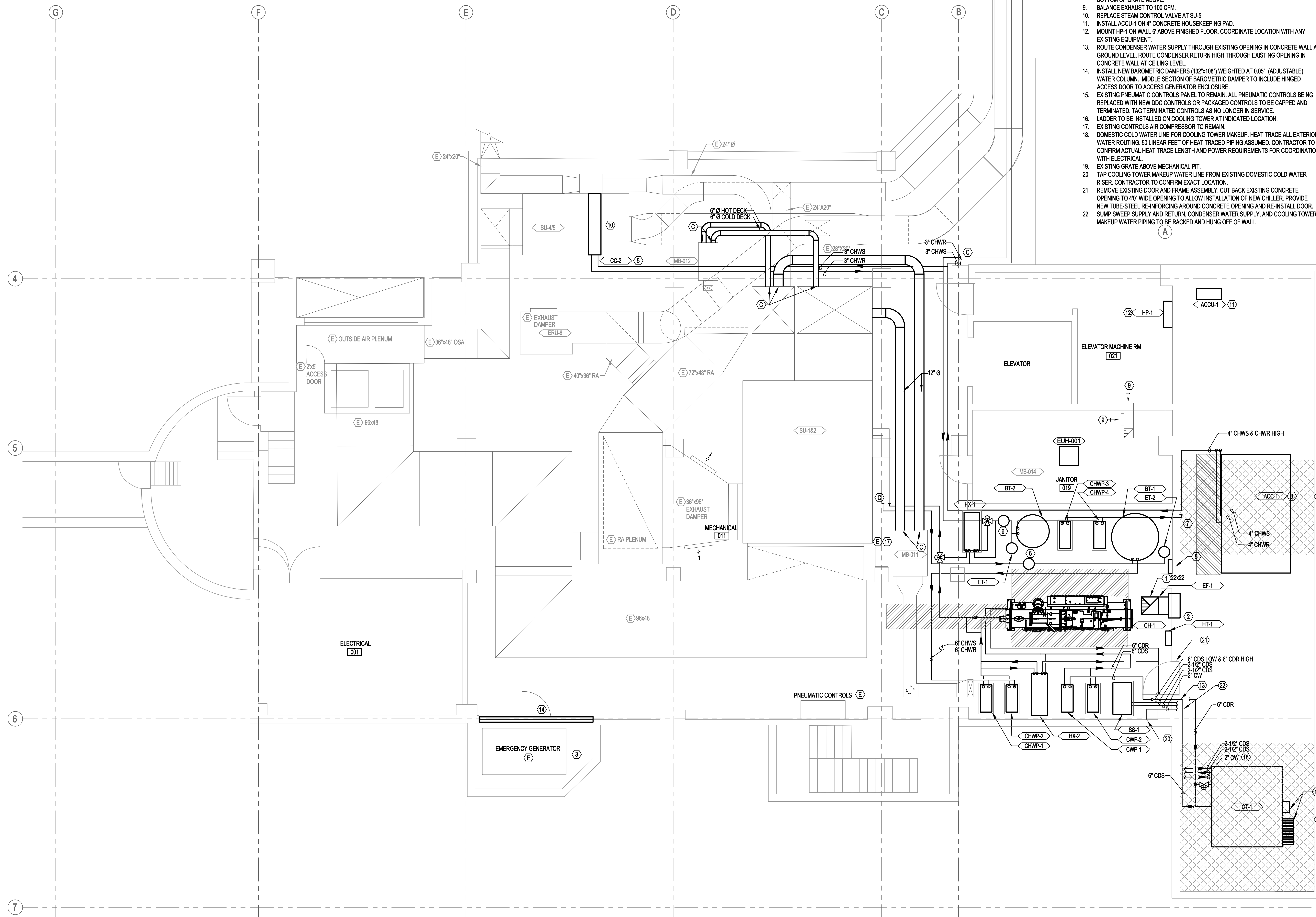
END OF ADDENDUM NO. 2

GENERAL NOTES:

- A. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- B. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
- C. SEAL ANY ABANDONED PIPE PENETRATIONS IN EXTERIOR WALL.

NOTES:

- 1. DUCT TO TERMINATE 18" FROM FLOOR.
- 2. 36"x24" EXHAUST LOUVER WITH 50% FREE AREA.
- 3. EXTEND EXISTING GENERATOR EXHAUST TO 5 FEET ABOVE CURRENT STACK HEIGHT. REMOVE EXISTING FLAPPER VALVE AND PROVIDE NEW FLAPPER VALVE AT TOP OF STACK.
- 4. CC-2 TO BE INSTALLED IN SU-5.
- 5. PROVIDE MSA REFRIGERANT LEAK MONITOR CONTROL PANEL. INTEGRATE LEAK MONITOR INTO CAMPUS BMS SYSTEM.
- 6. AIR SEPARATOR SUSPENDED FROM STRUCTURE ABOVE.
- 7. PENETRATE EXTERIOR WALL WITH NEW PIPE ROUTING. SLEEVE AND CAULK ALL NEW PENETRATIONS. RE-USE EXISTING CORE DRILLED HOLES AS POSSIBLE. SEAL ALL ABANDONED PENETRATIONS.
- 8. INSTALL CHILLER ON STEEL DUNNAGE AND PROVIDE SHEET METAL SHROUD UP TO BOTTOM OF GRATE ABOVE.
- 9. BALANCE EXHAUST TO 100 CFM.
- 10. REPLACE STEAM CONTROL VALVE AT SU-5.
- 11. INSTALL ACCU-1 ON 4" CONCRETE HOUSEKEEPING PAD.
- 12. MOUNT HP-1 ON WALL 6" ABOVE FINISHED FLOOR. COORDINATE LOCATION WITH ANY EXISTING EQUIPMENT.
- 13. ROUTE CONDENSER WATER SUPPLY THROUGH EXISTING OPENING IN CONCRETE WALL AT GROUND LEVEL. ROUTE CONDENSER RETURN HIGH THROUGH EXISTING OPENING IN CONCRETE WALL AT CEILING LEVEL.
- 14. INSTALL NEW BAROMETRIC DAMPERS (132"x108") WEIGHTED AT 0.05" (ADJUSTABLE) WATER COLUMN. MIDDLE SECTION OF BAROMETRIC DAMPER TO INCLUDE HINGED ACCESS DOOR TO ACCESS GENERATOR ENCLOSURE.
- 15. EXISTING PNEUMATIC CONTROLS PANEL TO REMAIN. ALL PNEUMATIC CONTROLS BEING REPLACED WITH NEW DDC CONTROLS OR PACKAGED CONTROLS TO BE CAPPED AND TERMINATED. TAG TERMINATED CONTROLS AS NO LONGER IN SERVICE.
- 16. LADDER TO BE INSTALLED ON COOLING TOWER AT INDICATED LOCATION.
- 17. EXISTING CONTROLS AIR COMPRESSOR TO REMAIN.
- 18. DOMESTIC COLD WATER LINE FOR COOLING TOWER MAKEUP. HEAT TRACE ALL EXTERIOR WATER ROUTING. 50 LINEAR FEET OF HEAT TRACED PIPING ASSUMED. CONTRACTOR TO CONFIRM ACTUAL HEAT TRACE LENGTH AND POWER REQUIREMENTS FOR COORDINATION WITH ELECTRICAL.
- 19. EXISTING GRATE ABOVE MECHANICAL PIT.
- 20. TAP COOLING TOWER MAKEUP WATER LINE FROM EXISTING DOMESTIC COLD WATER RISER. CONTRACTOR TO CONFIRM EXACT LOCATION.
- 21. REMOVE EXISTING DOOR AND FRAME ASSEMBLY. CUT BACK EXISTING CONCRETE OPENING TO 4' WIDE OPENING TO ALLOW INSTALLATION OF NEW CHILLER. PROVIDE NEW TUBE-STEEL RE-INFORCING AROUND CONCRETE OPENING AND RE-INSTALL DOOR.
- 22. SUMP SWEEP SUPPLY AND RETURN, CONDENSER WATER SUPPLY, AND COOLING TOWER MAKEUP WATER PIPING TO BE RACKED AND HUNG OFF OF WALL.



1 BASEMENT FLOOR PLAN - MECHANICAL
 MD1.0 SCALE: 1/4" = 1'-0"

Client: OREGON STATE UNIVERSITY
 Project Title: OSU OWEN HALL CHILLER REPLACEMENT

Stamp:

Rev # Date:

Drawn By: KMR
 Checked By: CJB
 Date: 02-08-2019
 Project Number: 18-1152

Sheet Title:
BASEMENT FLOOR PLAN - MECHANICAL

Sheet Number:
M1.0

OSU Construction Standards: 07/13/2018

Date: 2/18/19 Time: 5:13pm File: P:\2018\18-1152 - OSU Owen Hall Chiller Replacement\01 Production\02 CAD\18-1152_M1.0.dwg User: kaszy/cjords