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4/5/2019

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

ADDENDUM NO. 2

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 Included with this addendum is Sheet M0.02.

ITEM NO. 2 Substitution requests and OSU responses below:

- Nailor Dual Duct VAV Boxes – No exceptions
- Daikin Water Cooled Magnetic Bearing Centrifugal Chiller – Design intent is for a water cooled screw machine. Substitution not acceptable.
- Daikin Water Cooled Screw Chiller – OSU has multiple chiller plants on site with various manufactures, but a majority are Carrier. They are trying to minimize maintenance, spare parts inventory, and training costs on campus and, therefore, Daikin would not be acceptable in this situation.
- Daikin Air Cooled Scroll Chiller - OSU has multiple chiller plants on site with various manufactures, but a majority are Carrier. They are trying to minimize maintenance, spare parts inventory, and training costs on campus and, therefore, Daikin would not be acceptable in this situation.
- Reymosa Cooling Tower – Fiberglass towers are not acceptable.
- Wilo Pumps – Pump manufacturer is not acceptable.
- Tranter Heat Exchangers – No exceptions.

END OF ADDENDUM NO. 2



WATER COOLED CHILLER

Table with columns: TAG NUMBER, LOCATION, TYPE, DESIGN CAPACITY, EWT, LWT, FLUID, DESIGN FLOW RATE, MAX WPD, EWT, LWT, FLUID, DESIGN FLOW RATE, MAX WPD, ELECTRICAL, CODE AHRI EFFICIENCY, REFRIGERANT, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for CH-1 and general notes.

HEAT TRACE SCHEDULE

Table with columns: TAG NUMBER, LOCATION, KW, VOLT/ PHASE, MANUFACTURER & MODEL. Includes a row for HT-1 and notes.

RO SCHEDULE

Table with columns: NUMBER, LOCATION, (GPM), KW, VOLT/PHASE, MANUFACTURER/MODEL. Includes a row for RO-1 and notes.

SPLIT SYSTEM HEAT PUMP SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, TYPE, SUPPLY, DX COOLING, DX HEATING, ELECTRICAL, MINIMUM EFFICIENCY, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for HP-1 and notes.

PUMP SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, TYPE, CHWP-1, CHWP-2, CHWP-3, CHWP-4. Includes performance metrics and notes.

PLATE AND FRAME HEAT EXCHANGER SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, SOURCE, SINK, FLUID, GPM, EWT, LWT, MAX WPD, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes rows for HX-1 and HX-2.

UNIT HEATER SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, TYPE, ELECTRIC HEATING COIL, MOTOR, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for EHU-1.

TANK SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, TYPE, VOLUME, SYSTEM CONNECTION, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes rows for BT-1 and BT-2.

COOLING TOWER

Table with columns: TAG NUMBER, LOCATION, DESIGN CAPACITY, NO. CELLS, FLOW, EWT, LWT, AIRFLOW, EAT, FAN HP, VFD, BASIN HEATER, FANS, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for CT-1.

AIR COOLED CONDENSER UNIT SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, MCA, VOLT/ PHASE, REFRIGERANT, CHARGE, (SEER), APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for ACCU-1.

DESIGN CONDITIONS - CORVALLIS, OR

Table with columns: SPACE, TEMPERATURE, HUMIDITY, WINTER, SUMMER. Includes outdoor and indoor conditions.

FAN SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, TYPE, HIGH, LOW, TSP, FAN, HP, VOLT/ PHASE, VFD, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for EF-1.

HUMIDIFIER

Table with columns: TAG NUMBER, LOCATION, NOMINAL STEAM CAPACITY, ELECTRICAL, VOLT/ PHASE, MANUFACTURER & MODEL. Includes rows for H-1 through H-6.

COOLING COIL SCHEDULE

Table with columns: TAG NUMBER, LOCATION, SERVICE, AIRFLOW, EAT, LAT, GPM, EWT, MIN WTD, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for CC-2.

DUAL DUCT MIXING BOX SCHEDULE

Table with columns: TAG NUMBER, MODEL, COLD SIZE, HOT SIZE, COLD MAX, COLD MIN, HOT MAX CFM, HOT MIN CFM, MANUFACTURER, NOTES. Includes a row for MB-416.

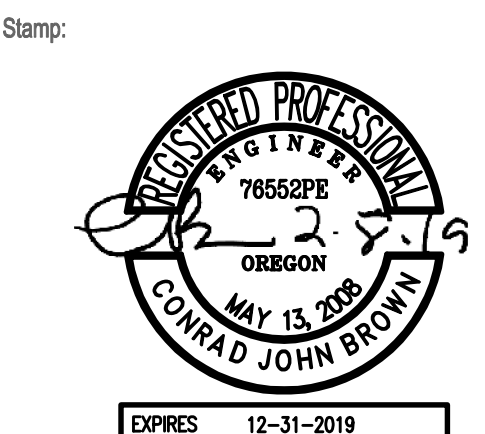
SUMP SWEEP SCHEDULE

Table with columns: TAG NUMBER, LOCATION, DESIGN FLOW, FLANGED INLET, GROOVED OUTLET, ELECTRICAL PUMP, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for SS-1.

AIR COOLED CHILLER SCHEDULE

Table with columns: TAG NUMBER, LOCATION, TYPE, SERVICE, NOMINAL DESIGN CAPACITY, EWT, LWT, FLUID, DESIGN FLOW RATE, MAX WPD, MINIMUM FLOW RATE, ELECTRICAL SINGLE POINT CONNECTION, FULL LOAD, EFFICIENCY, REFRIGERANT TYPE, QUANTITY, APPROX WEIGHT, MANUFACTURER & MODEL, NOTES. Includes a row for ACC-1.

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



Stamp: Date: Rev #

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

SHEET SCHEDULES - MECHANICAL

Sheet Number: M0.02 OSU Construction Standards: 07/13/2018

Date: 2/6/19 Time: 5:19pm File: P:\2018\18-1152 - OSU Owen Hall Chiller Replacement\01 Production\02 CAD\18-1152_M0.02.dwg User: kaseyrichards