



ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

ADDENDUM

PROJECT: University of South Dakota
Patterson Hall
Crystal Growth HVAC Package
Vermillion, South Dakota

ADDENDUM NUMBER

AD-2

ISSUED BY:

Bryce Johnson, Mechanical Engineer

PROJECT #: 12-0103 / OSE # R0612-24X

DATE ISSUED: Wednesday, August 22, 2012

This addendum is issued by the Architect to all known bidders before receipt of proposals, for the purpose of explaining, interpreting, or modifying the original plans and specifications. When enumerated by the bidder upon the proposal sheet, the information or instructions given hereon will be equally binding upon all parties as if included in the original plans and specifications.
BIDDER MUST ENTER THE NUMBER OF THIS ADDENDUM ON HIS PROPOSAL SHEET

THE FOLLOWING ITEMS ARE APPLICABLE TO THE SPECIFICATIONS:

AD-2, ITEM 1:

In reference to specifications, the following manufacturers and products are approved subject to compliance with specifications, schedules and approval of shop drawing submittals:

232113 – Air Control Devices	Mfr: Armstrong
232123 – Hydronic Pumps	Mfr: Armstrong
232500 – HVAC Water Treatment	Mfr: Neptune
233423 – Fans	Mfr: TCF
233713 – Registers, Grilles and Diffusers	Mfr: Carnes
233600 – Terminal Units	Mfr: Carnes
235216 – Condensing Boilers	Mfr: Hamilton
236423 – Chillers	Mfr: Airstack

THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS:

AD-2, ITEM 2:

In reference to Sheet M-601 – Mechanical Schedules, see attached Supplemental Drawing M-601.1 for a new air cooled chiller schedule.

AD-2, ITEM 3:

In reference to Sheet M-601 – Mechanical Schedules, add the following notes to the air handler schedule:

1. Air handler is provided by Trane in Sioux Falls South Dakota, contractor is responsible for site building the air handler. Contact manufacturer for exact details and requirements.
2. Contractor will be responsible for performance and leakage testing of the air handler. Unit casing shall leak less than 0.5% of the design airflow at 1-1/2 times the design static pressure.

END AD-2

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AIR COOLED CHILLER SCHEDULE

MARK LOCATION	SERVES	CAPACITY/REFRIGERANT TONS	EVAPORATOR TYPE	EVAPORATOR DEG F	EVAPORATOR FLOW RATE GPM	EVAPORATOR PRESS DROP FT W.C.	EFFICIENCY EER	AMBIENT DRY BULB V/PH/HZ	ELECTRICAL MANUFACTURER AND MODEL	NOTES
CH-1	ON GRADE WATER	150.0	R-410A	42/58	361	8.5	9.5	95	208/3/60	ARCTIC CHILL PACVMW0500DA-MM SCROLL

- NOTES:**
1. MANUFACTURER SHALL PROVIDE SKID WITH CHILLER THAT INCLUDES PRE-PIPED CWP-1A & CWP-1B, ET-2, AS-2, CHEM-2 AND BUFFER TANK AS SIZED BY MANUFACTURER. ALL SPECIALTIES AND PIPING SHALL BE INSULATED.
 2. CABINET SHALL BE INSULATED AND HEATED TO PREVENT DAMAGE FROM DESIGN WINTER TEMPERATURES.
 3. PROVIDE FREEZE PLUGS ON CHILLER SUPPLY AND RETURN PIPING TO PREVENT DAMAGE TO EQUIPMENT IN CASE OF ELECTRICAL FAILURE.
 4. PROVIDE SUCTION SHUTOFF VALVES, GROUND FAULT PROTECTION, HAIL GUARDS; PHASE VOLTAGE MONITOR AND CHILLED WATER FLOW SWITCH.
 5. PROVIDE SINGLE POINT POWER CONNECTION WITH INTEGRAL DISCONNECT.

Client Information
University of South Dakota
 Address
 Vermillion, SD

Project Information
Patterson Hall
Crystal Growth
HVAC Package

Issue Date: 08/22/12
 Job #: 12-0103
 Drawn by: ...
 CADD file: G-000
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 Drawing Title
Mechanical Schedules

From Sheet: M-601
 Drawing #: M-601.1
 for CA use: