

**August 22, 2016**  
**BOARD OF COUNTY COMMISSIONERS**  
**ORANGE COUNTY, FLORIDA**  
**IFB NO. Y17-702-CC/ADDENDUM NO. 3**  
**REGIONAL HISTORY CENTER CHILLER & COMPUTER ROOM AIR**  
**CONDITIONING UNIT REPLACEMENT**

**BID OPENING DATE: August 30, 2016**

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

A. The bid opening remains August 30, 2016 at 2:00 p.m.

B. Additions, Deletions and Clarifications

1. **Question:** On the electrical drawing page E-001, keyed notes 1, 4, and 5, I noticed it is calling for a single set of (4)4/0 with 1 #4G fed from an existing breaker with a new 300 amp rated plug. Per NEC 310.15(b) 4/0 wire is good for 230 amps well below the 300 amp rated plug and the plans are calling for a non-fused disconnect. Please advise whether the size of the wire will be increasing or the size of the rating plug is being reduced?

**Answer:** In general, the circuit breaker for a motor circuit shall be sized in accordance with NEC paragraph 430-52(B) and Table 430.52. It provides short circuit and ground fault protection for the feeder and motor, while allowing the higher motor starting in-rush current. For this application, the motor feeder and circuit breaker trip unit are sized in accordance with the chiller manufacturer recommendations. It is not necessary for the circuit breaker to match the ampacity of the feeder as suggested by the Contractor. The chiller motor thermal overload protection will also provide overload protection for the motor feeder. No changes to the electrical design are needed.

2. **Question:** Drawing MD-102 detail 1 roof level shows removal of CU-1. Drawing M-102 roof level shows a new CU-1 going in same location as the old unit. The new unit looks to be a double size of the existing. Job walk showed there was Lightning Protection on the roof and CU-1. Should we remove and replace existing lightning protection or have a Master license Lightning protection certification?

**Answer:** Existing Lightening Protection must be replaced. Repairs to the system must not void any system warranties and must be code compliant.

C. ACKNOWLEDGEMENT OF ADDENDA

- a. The Bidder/Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the bid or proposal.
- b. All other terms and conditions of the IFB remain the same.
- c. Receipt acknowledged by:

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name of Firm