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DSCYF ADMINISTRATION BUILDING  
CLOSED CIRCUIT COOLER REPLACEMENT  
OMB/DFM # MC3701000040  
ADDENDUM #4

Substitution Requests:

Cool Water Tech was submitted for approval. Cool Water Tech was **not** found as an equal.

Clarifications:

1. Specification Section 23 65 33 Revisions:

- a. The basis of design Closed Circuit Cooler does not require a discharge damper to freeze protect the coil. The approved equal vendors however are required to install a discharge damper to freeze protect the coil. For this reason the following language shall be added to Section 23 65 33:

*Discharge Damper w/ Insulation: Closed Circuit Coolers with heat transfer coil below air inlet louvers shall utilize integral water re-distribution basin as heat loss protection. All Closed Circuit coolers that have heat transfer coil above the air inlet shall utilize a discharge hood with dampers and factory supplied insulation on coil casing and discharge hood. Closed Circuit Coolers with heat transfer coils exposed to ambient air conditions will not be acceptable.*

- b. Section 23 65 33 2.05 Items B and C shall be deleted from the specification as they are in conflict with providing a 316 stainless steel sump and electronic water level control.
- c. Section 23 65 33 2.07 A has been revised to the following to clarify the controls question answered in Addendum #2:

*The NEMA-3R cooling tower Starter/VFD panel shall be provided by unit manufacturer to include complete Variable Frequency Drive (VFD) (ABB, Yaskawa, Danfoss) for fan and incorporate spray pump motor starter and basin heater contactors. The Variable Frequency Drive shall be provided by ATC Vendor and in conformance to section 23 09 69. ATC vendor shall provide VFD to Unit Manufacturer for Mounting & Wiring into Single Point Power Panel Supplied by Vendor.*

Summarized By: DEDC, LLC  
John R. Farina, PE  
Date: 02/09/15