

CLARIFICATIONS Q&A:

Q 1: Is the Chiller Manager a controls contractor or a previously chosen brand?

A 1: The chiller manager can be independent of Metasys or integral.

Q 2: Does the new Chiller Manager have to integrate into another controls system?

A 2: Yes, this has to integrate into the Johnson Metasys controls.

Q 3: Please see attached from drawing H-104= is new piping, control valve, ball valve and temp sensor to be supplied and installed as per boxed area?

A 3: The only items that are to be supplied and installed in the boxed area next to the cooling coils on sheet H104 are the supply and return piping in the crawlspace.

Q 4: Refer to section 23-05-00 item 3.3- please provide more info regarding the sentence, vacuum interior of ductwork and air handling units

A 4: This item will be removed in the next addendum.

Q 5: Refer to section 09-01-90.62- other than the CT-1 stand on roof what other items are to be painted?

A 5: Only the cooling tower stand on the roof is to be painted.

Q 6: Request an extension to tender closing date of 1 week?

A 6: The tender closing was extended by one week in amendment 003.

Q 7: I was just wondering if glycol is required for the hydronic piping for the above mentioned project. Should glycol be required, what would be the concentration?

A 7: There is no glycol in the system and no additional glycol will be added to the system. This will be addressed in the next Addendum.

Q 8: I see that propylene glycol has to be drained and re-used as per below. Hence, I assume, provision of additional glycol is not required. Refer Drawing #D102, Demolition note #2

2. ISOLATE CHILLED WATER-COOLING SYSTEM WITH
PROPYLENE GLYCOL. GLYCOL TO BE DRAINED AND RETAINED
FOR REUSE.

A 8: There is no glycol in the system and no additional glycol will be added to the system. This will be addressed in the next Addendum.

Q 9: Also, I would still like to request the concentration/mixture of the glycol with water for the testing to prove concentration will prevent freezing to -40C as stated below specs. Refer Specs on page59, Part 3 / 3.2 / .8

.8 **Glycol Systems:**

- .1 In addition to procedures specified above perform specified procedures.
- .2 Test to prove concentration will prevent freezing to minus 40 degrees C. Test inhibitor strength and include in procedural report. Refer to ASTM E202.

A 9: There is no glycol in the system and no additional glycol will be added to the system. This will be addressed in the next Addendum.

Q 10. Performance Specifications Question:

A 10: "Canada does not approve specific piping suppliers, manufacturers, brands or products during Tender. Individual products are evaluated based on the performance specifications at the shop drawing stage."