

**867 LAKESHORE RD., LABORATORY & ADMINISTRATIVE BUILDING
NEW ULTRA TRACE LAB AT THE CANADA CENTRE
FOR INLAND WATERS (CCIW)**

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PROJECT NO. R.066381.001

DATE: March 11, 2015

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

SPECIFICATIONS

1. REFERENCE SECTION 23 74 00 – CUSTOM OUTDOOR HVAC EQUIPMENT

.1 Revise Item 2.1.3 as follows:

“.3 Unit and associated equipment must conform to minimum equipment efficiencies set out in ASHRAE 90.1 and Supplementary Standard SB-10 to the Ontario Building Code.”

.2 Revise Item 2.9.3 as follows:

“.3 Condenser shall form an integral part of the unit and factory tested and certified to meet rated performance. Field wired and piped condensing units will not be accepted.”

2. REFERENCE SECTION 25 50 00 – LABORATORY AIR CONTROLS

.1 Revise Item 2.4.10 as follows:

“.10 Supply air valves shall be supplied with silencers for outlet which consists of resonating chambers, which provide reduction in high frequency bands 1000 Hz, 2000 Hz, 4000 Hz of discharge sound by 7 dB, 5 dB and 4 dB respectively with 250 Pa pressure drop across valve operating at maximum design airflow. Pressure drop across silencer to be maximum 37 Pa. Silencer to be galvanized steel with maximum length of 450 mm, continuous welded seam with non porous surfaces for clean room application.”

DRAWINGS

1. Reference Drawing M2

.1 Reference AIR VALVE SCHEDULE:

- .1 Revise SAV1 Min airflow to “625 l/s”
- .2 Revise SAV2 Min airflow to “625 l/s”
- .3 Revise SAV1 Remark to “Bare Aluminum – Variable Volume c/w outlet silencer”
- .4 Revise SAV2 Remark to “Bare Aluminum – Variable Volume c/w outlet silencer”

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DRAWINGS (CONT'D)

2. Reference Drawing M2

.1 Reference LAB EXHAUST ENERGY RECOVERY UNITS SCHEDULE:

- .1 Revise HRV2 – Entrainment Airflow to “1390 l/s”
- .2 Revise HRV2 – Outlet Velocity to “16.6 m/s”
- .3 Revise HRV2 – Plume Rise Winter/Summer to “5.3 m as per ASHRAE 2011”
- .4 Revise HRV2 – Fan Power to “6.61 BHP”
- .5 Revise HRV2 – Heat Recover Coil – Max. Velocity to be “2 m/s”