

Project:	720053 – Arnaitok Arena Ice Plant		
RFT No.:	2022-RFT-0042		
Addendum No. 01	No. of Pages: 3		
Date:	November 9, 2022	Doc. No.:	P7201-502086133-40(1.0)

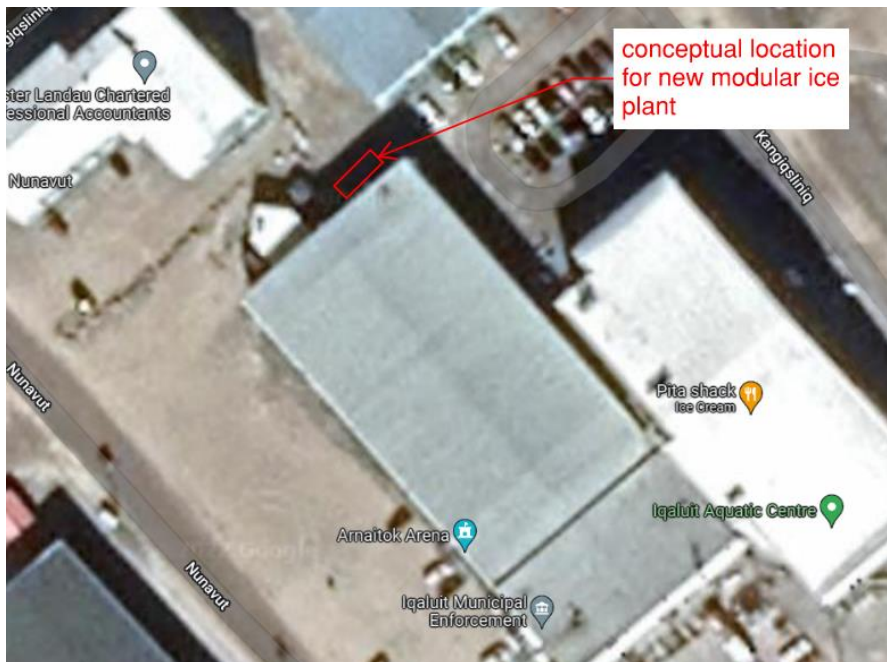
The following change(s) in the Request for Tender Documents No. 2022-RFT-0042 are effective immediately.

This Addendum forms part of the Contract Documents.

ITEM	DESCRIPTION	ACTION
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A new packaged exterior modular ice plant can be considered as an alternate solution for the replacement of the existing interior ice plant provided it meets the performance requirements identified in the tender documents.

1. A new concrete support pad design must be prepared and stamped by a Structural Engineer licensed in NU and must include grading and compaction requirements of base material. Pad and foundation design is to be suitable to design loads and local geotechnical conditions.
2. Conceptual placement of a new modular plant is to be in the location of the existing ice plant dry coolers as noted in the arial image below. Final placement must be confirmed on site during the detailed design phase to maintain travel pathways, maintenance access, service, and code clearances in coordination with City and stakeholder requirements.



3. Ice Plant Building performance to be as follows:

A- Building

- .1 Approximate building size 3.7m W x 9.1m L x 3.7m H
- .2 Walls RSI-3.52 (R-20) complete with 0.15mm (6-Mil) vapour barrier and 0.58mm (24 gauge) fluted aluminum paneling interior finish and 0.64mm (22 gauge) fluted steel exterior paneling. Wall to be 1 hr fire rated along the long and short wall parallel to the existing building.
- .3 Roof RSI-3.52 (R-20) complete with 0.15mm (6-Mil) vapour barrier and 0.58mm (24 gauge) fluted aluminum paneling interior finish and 0.64mm (22 gauge) fluted steel exterior paneling.
- .4 Door one (1) 900mm x 2100mm (3'-0"x7'-0") 0.81mm (20 gauge) insulated hollow core R3 steel door and 1.29mm (16 gauge) frame complete with panic hardware, locking cylinder, hydraulic closure, 150mm (6") aluminum threshold, check chain, 9mm x 15mm (3/8" x 1/2") foam weather stripping and 115mm x 100mm (4 1/2"x4") hinges.
- .5 Base to be complete with 100mm (4") spray foam insulation under the building.
- .6 The wall is to have a chase to allow for brine domestic water piping to enter the building from the arena at high level.
- .7 Ventilation to be capable of CSA B52 minimum ventilation, for the refrigeration plant based on the refrigerant load and code requirements.
- .8 Refrigerant detection system will be provided with PPM display at the entrance door with visual and auditory alarms in the case of a refrigerant leak. The detection system will initialize the exhaust fans in the case of a leak.
- .9 Hydronic heat is to be provided to maintain the building interior temperature at 10°C (50°F) with in the building during the winter months. Hydronic supply and return services to be supplied from existing hydronic system in adjacent boiler room.
- .10 Drains will be to internal floor sumps complete with containment ring around the building perimeter.
- .11 Building to be fully wired building complete with transformer, main disconnect switch, sub panels, lights, exterior lights, two (2) service receptacles ready for single point electrical connection.
- .12 Color to be coordinated with the building owner.

B- Dry Cooler Stand

- .1 Structural stand to support the weight of the dry cooler to be mounted on the roof of the refrigeration building.
- .2 Stairs, catwalk, railing and exterior lighting to allow for servicing of the dry cooler.
- .3 All piping, valves, controls and wiring to serve the dry cooler.

C- Access Stairs

- .1 A set of aluminum stairs with a landing will be provided at each access door for the refrigeration building.
- .2 The stairs will be complete with:
 - .1 1200mm x 2000mm (4' x 6'-8") platform
 - .2 40mm (1 1/2") pipe handrail with toe kick for the platform and stairs
 - .3 Enough stair risers to allow access to the ground meeting the Local Building Code rise and run.



- D- Building and systems are to be design and stamped by Engineers licensed in Nunavut and follow the minimum requirements of the National Building Code of Canada latest edition and other applicable codes.

Public Opening Details

The public opening will be held on Monday, November 21, 2022 at 4:00 PM. Call-in details are provided below.

Link: [Zoom Meeting Link](#)
Meeting ID: 964 1934 5770
Passcode: 708156

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