



OTS Engineering

Division of Otonabee Technical Services Ltd.

August 4, 2016

SUBJECT: Faraday Community Centre, HVAC Systems A/C-1 and A/C-2 Upgrade

Dear Sir/Madam:

The Municipality of Faraday Township is proposing to upgrade the existing two split system air conditioning systems that service the Community Centre with two new packaged outdoor HVAC units A/C-1 and A/C-2 with propane heating. The new A/C units are to be installed at grade level on a new concrete pad on the north side of the building and ducted up the wall and into the ceiling space and connected to the two existing ductwork systems. Your firm is invited to submit a fixed price tender for this work as per the attached drawings and specifications prepared by OTS Engineering. Tender drawings, specifications and Bid Form are attached in pdf format.

Tenders shall be delivered to the Municipal office care of Dawn Switzer in a sealed envelope on or before 3:00 P.M., Wednesday, August 31, 2016.

Direct any questions to Glenn Stapley, Telephone (705) 745-5530 Ext. 207; Fax (705) 745-7466 or email glenn.stapley@otsengineering.com.

A visit to the site has been arranged for invited bidders on Wednesday, August 17, 2016 at 10:00 am.

End of document.

Glenn Stapley, C.E.T.
OTS Engineering

PART 1 GENERAL

1.1 Information

.1 Date: _____

.2 Submitted by: _____

.3 Address: _____

.4 To: The Municipality of Faraday Township
29860 Hwy 28 South
Bancroft, Ontario K0L 1C0

.5 Project: HVAC Upgrades A/C-1 and A/C-2 at Faraday Community Centre

Offer Content

.6 The following documentation form the basis of the HVAC System A/C-3 project:

. "Bid Form – Stipulated Price"

. General "Summary of Work" – Section 01 11 00

. **Otonabee Technical Services – Plan View M1; HVAC Units and Duct Changes M2; HVAC Details and Schedule M3; Mechanical and Electrical Specs M4 – Project 16044A.**

We the undersigned hereby offer to accept the terms of a Purchase Order with Municipality of Faraday Township to perform the work as specified in the above mentioned documents for the installation of the new HVAC Systems A/C-1 and A/C-2 as per the above mentioned tender documents for the price of:

\$ _____

(_____) dollars,

in lawful money of Canada.

.7 All applicable federal and provincial taxes are included in the Bid Price for the supply and installation of the new HVAC Systems A/C-1 and A/C-2.

1.2 Acceptance

.1 This offer shall be open to acceptance and is irrevocable for sixty (30) days from the Bid closing date.

.2 If this Bid is accepted by the Owner within the time period stated above, we will:

.1 Execute the 'Agreement' within seven (7) days of receipt of the form of execution.

.2 Commence with ordering equipment after written notification of acceptance of this bid.

.3 Complete the Work by October 14, 2016 (or sooner).

- 1.3 Addenda
- .1 The following Addenda have been received. The modifications to the Contract Documents noted therein have been considered and all costs thereto are included in the Bid Price.
 - .2 Addendum # _____, Dated _____.
 - .3 Addendum # _____, Dated _____.
- 1.4 Bid Form Signature(S)
- .1 The Bidders Signature _____
print name here _____.

Part 1 General

1.1 WORK COVERED BY CONTRACT DOCUMENTS:

- .1 The removal of two existing Keeprite indoor air handlers located above the t-bar ceiling next to the kitchen and two Keeprite outdoor condensing units located on the north side of the community centre. All refrigerant piping, drains, thermostat controls and electrical services are to be removed as well. The existing service pads and the two enclosure walls will also have to be removed.
- .2 The supply and installation of two new Carrier (or approved equivalent) packaged ground mounted gas heating/electric cooling air conditioning units, 24" high steel curbs, economisers, propane kit, electrical power (including new circuit breakers) and installation of new digital electronic heating/cooling thermostats and remote sensors. Provide propane gas piping from propane regulator and propane tank (supplied by others) to the two new A/C units.
- .3 The supply and installation of a new outdoor concrete service pad adjoining the north wall of the building, large enough to accommodate the two new A/C units and horizontal ductwork. **The contractor must locate the existing underground septic tank and ensure that the new concrete pad is clear of this location.**
- .4 The relocation of the existing washroom exhaust fan and ductwork modifications located above the t-bar ceiling above washrooms. The exhaust duct and outdoor weather hood are also to be relocated. Relocate the existing power and control wiring to the fan.
- .5 The supply and installation of new outdoor, insulated, weather tight, supply and return air ductwork for each of the two new A/C systems as shown on drawings complete with proprietary duct supports. The new ductwork systems are to penetrate the north wall just below the overhanging roof soffit and into the ceiling space above the washrooms, extend over to the location of the former air handlers, and connect to the two existing supply air duct systems.
- .6 The supply and installation of steel snow dams on the existing steel roof above the location of the two new A/C units c/w electric snow melt system.
- .7 All new ductwork is to be sealed to Class "C" (all transverse joints sealed with Duro Dyne DDS181 water based duct sealer).
- .8 All new ductwork that is exposed outdoors shall be complete with 1" acoustic lining and 2" rigid external fibre insulation and completely sealed with polyguard alumaguard weatherproof membrane.
- .9 See mechanical and electrical specifications on drawing M4 which form part of this contract.

1.2 WORK SEQUENCE

- .1 Construct Work to accommodate Owner's continued use of premises during construction.
- .2 Co-ordinate Progress Schedule with Owner Occupancy during construction.
- .3 Maintain fire access/control.

1.3 CONTRACTOR USE OF PREMISES

- .1 Limit use of premises to allow:
 - .1 Owner occupancy.
 - .2 Work by other contractors.
 - .3 Public usage.
- .2 Co-ordinate use of premises under direction of Owner.
- .3 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- .4 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.
- .5 Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work.
- .6 At completion of operations condition of existing work: equal to or better than that which existed before new work started.

1.4 OWNER OCCUPANCY

- .1 Co-operate with Owner in scheduling operations to minimize conflict and to facilitate Owner usage.

1.5 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING

- .1 Execute work with least possible interference or disturbance to building operations and normal use of premises. Arrange with Owner to facilitate execution of work.

1.6 EXISTING SERVICES

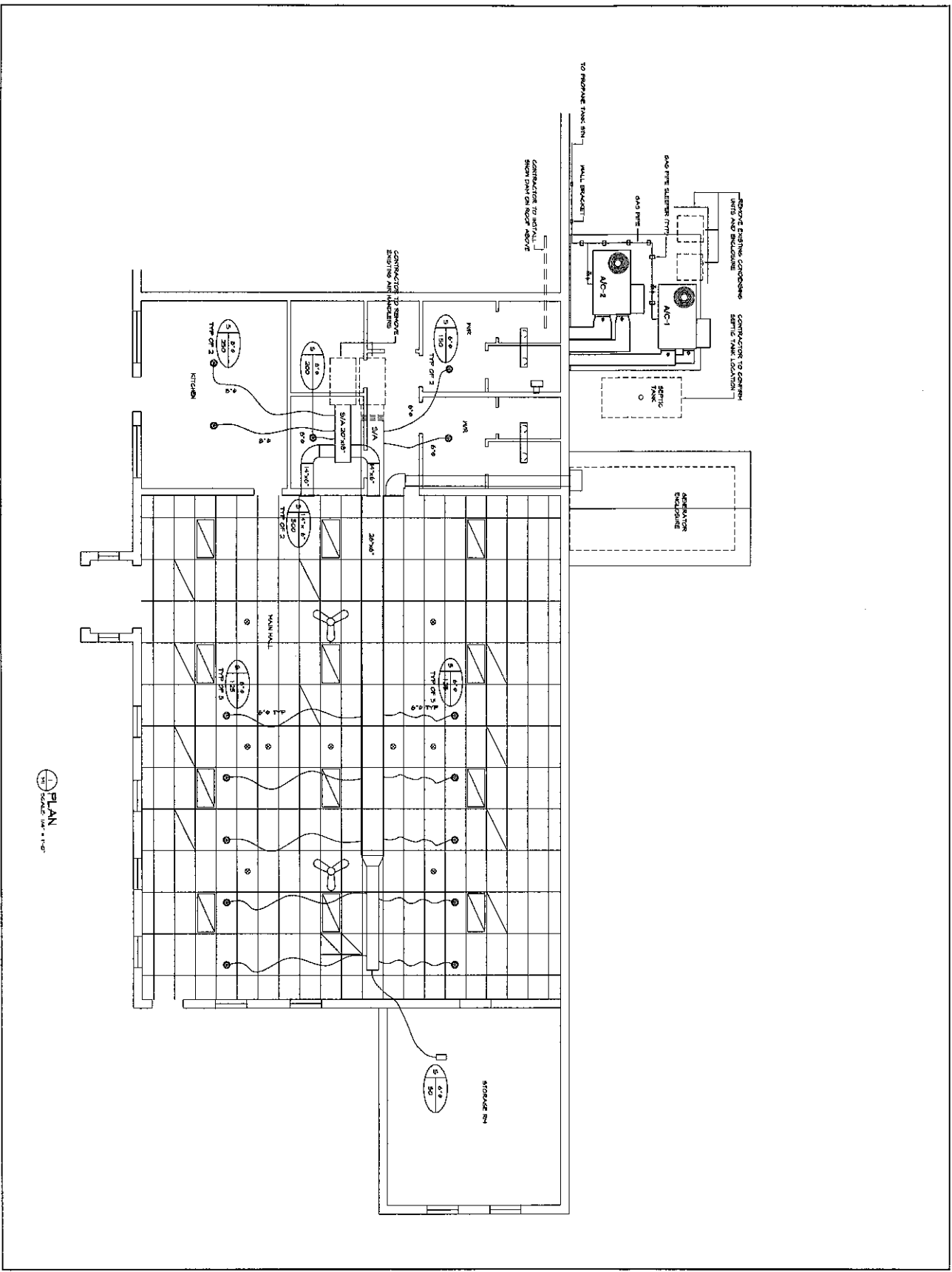
- .1 Notify, Owner and utility companies of intended interruption of services and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services, give Owner [48] hours notice for necessary interruption of mechanical or electrical service throughout course of work. Minimize duration of interruptions. Carry out work at times as directed by governing authorities with minimum disturbance.

- .3 Submit schedule to and obtain approval from Owner for any shut-down or closure of active service or facility including power and communications services. Adhere to approved schedule and provide notice to affected parties.
- .4 Provide adequate bridging over trenches which cross sidewalks or roads to permit normal traffic.
- .5 Where unknown services are encountered, immediately advise Owner and confirm findings in writing.
- .6 Protect, relocate or maintain existing active services. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction.
- .7 Record locations of maintained, re-routed and abandoned service lines.

1.7 DOCUMENTS REQUIRED

- .1 Maintain at job site, one copy each document as follows:
 - .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Reviewed Shop Drawings.
 - .5 List of Outstanding Shop Drawings.
 - .6 Change Orders.
 - .7 Other Modifications to Contract.
 - .8 Field Test Reports.
 - .9 Copy of Approved Work Schedule.
 - .10 Health and Safety Plan and Other Safety Related Documents.
 - .11 Other documents as specified.

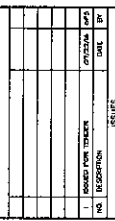
END OF SECTION



PLAN
SCALE 1/4" = 1'-0"

OTS ENGINEERING 1015 SHEPPARD AVENUE EAST SUITE 101 SCARBOROUGH, ONTARIO M1S 1T5 TEL: (416) 291-1111 FAX: (416) 291-1112 WWW.OTS-ENGINEERING.COM			
PROJECT: PARSONS COMMUNITY CENTRE, SCARBORO, ONTARIO			
TITLE: PLAN VIEW OF HVAC SYSTEMS			
DATE: 03/20/04	BY: M1	DATE: 03/20/04	BY: M1
DESIGNED BY: M1	CHECKED BY: M1	DATE: 03/20/04	BY: M1
PROJECT NO: 15244A SHEET NO: 01 OF 01			

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR TENDER	07/20/24	MS
2	ISSUES		



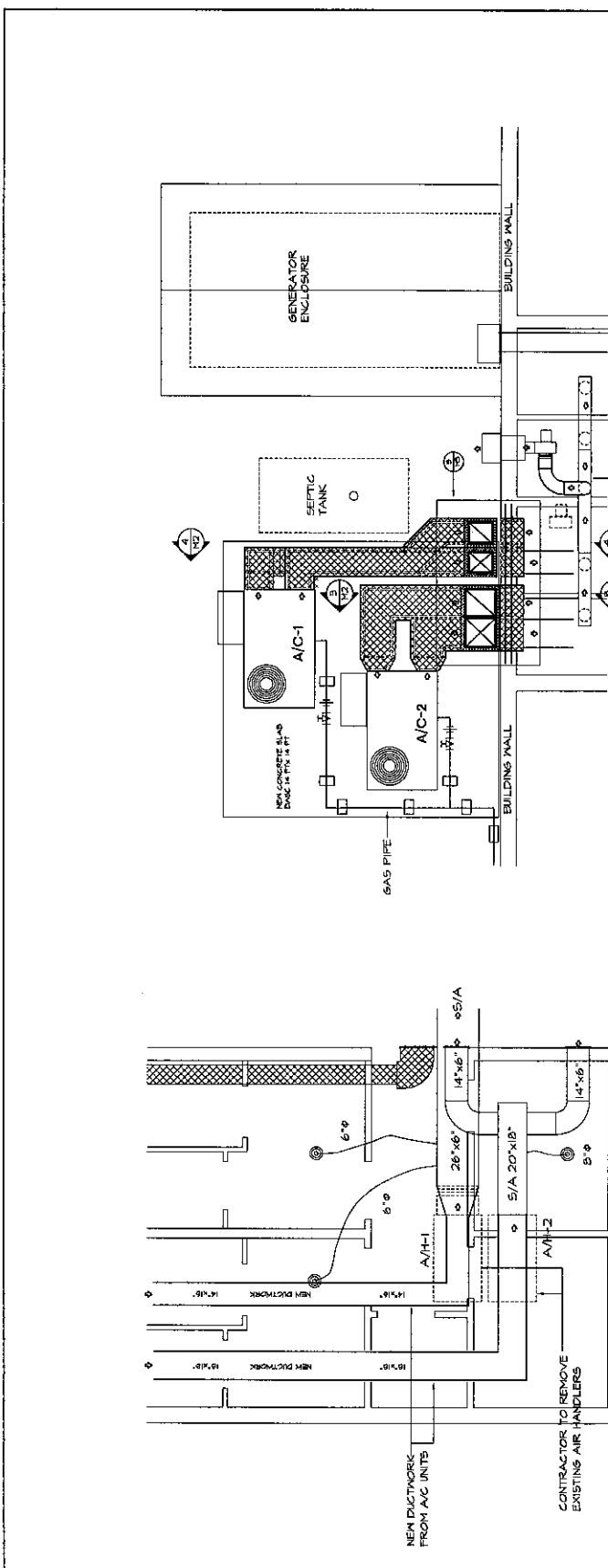
THE ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE PROJECT DRAWINGS OR THE QUALITY OF THE WORK PERFORMED THEREON. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED BY HIMSELF OR HIS EMPLOYEES.

OTS ENGINEERING
 1000 SHEPPARD AVENUE EAST
 SUITE 100
 SCARBOROUGH, ONTARIO M1S 1T7
 TEL: (416) 291-1111
 FAX: (416) 291-1112
 WWW.OTS-ENG.COM

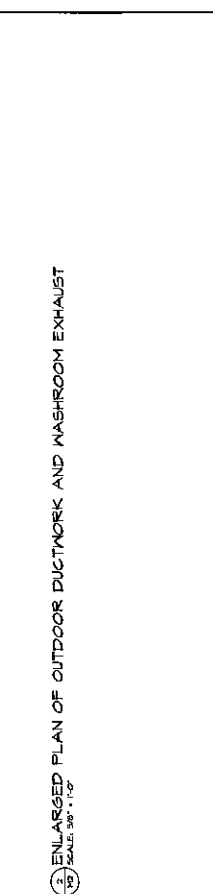
PROJECT: PARADISE COMMUNITY CENTRE
 BARRINGTON, ONTARIO

TITLE: NEW HVAC EQUIPMENT AND DUCTWORK ADDITIONS

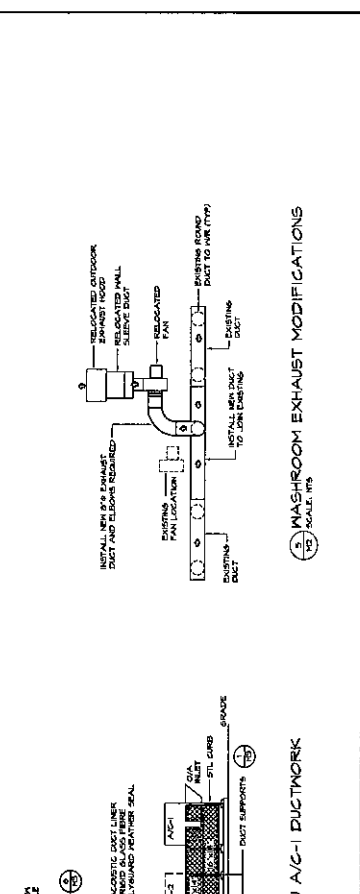
DATE: 07/20/24
 DRAWN BY: MS
 CHECKED BY: MS
 PROJECT NO.: 18044-A
 SHEET NO. OF 10



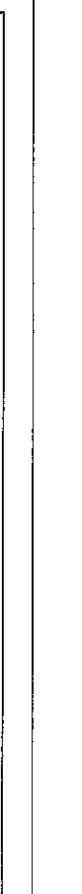
1 ENLARGED PLAN OF OUTDOOR DUCTWORK AND WASHROOM EXHAUST
 SCALE: 3/8" = 1'-0"



2 SECTION THRU A/C-1 DUCTWORK
 SCALE: 3/8" = 1'-0"



3 SECTION THRU A/C-2 DUCTWORK
 SCALE: 3/8" = 1'-0"



4 WASHROOM EXHAUST MODIFICATIONS
 SCALE: 3/8" = 1'-0"

