



Friday, September 4, 2009

DOCUMENT 2009-424T

RENOVATIONS AT 7750 HURONTARIO STREET, BRAMPTON (PRP - 22 DIVISION)

ADDENDUM #3

TO: ALL VENDORS

Number of Pages: 5

Referring to the above Document 2009-424T, please note the following:

CLOSING DATE:

The closing date has been changed to read on or before:

12:00 noon local time
Wednesday, September 16, 2009 ✓

CHANGES TO SPECIFICATIONS

MECHANICAL

Section 00 43 33.20

1. Add Nailor Industries as an acceptable product for weather louvers.

Section 23 07 00

1. Add the following as new item 2.14:

"2.14 Generator Exhaust Pipe Insulation

- .1 Generator exhaust piping insulation shall be completely insulated with formed rigid calcium silicate insulation suitable for temperature up to 650°C (1200°F), compliant to CAN/CGSB-51-95, equivalent to IIG Thermo-12 gold.
- .2 Generator exhaust piping insulation shall be covered with canvas and lagging inside of the Generator room and inside of the piping shaft from the generator room up to roof.
- .3 Generator exhaust piping insulation shall be covered with minimum 24 gauge steel or aluminum jacketing weather sealed construction where installed outdoors on the roof.
- .4 Generator exhaust silencer (muffler) shall be insulated with 2" thick high temperature, asbestos free mineral thermal blanket rated up to 650°C (1200°F) equivalent to Silix Thermal Blanket by Silix Innovations Inc., Mississauga, or equivalent.

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ADDENDUM #3 (Continued)

- .5 An insulated and flashed roof thimble shall be provided where the exhaust piping penetrates the roof constructed of heavy gauge SS or galvanized steel compliant with NFPA 37 and NFPA 110, equivalent to Thaler, Silex or GT Exhaust Systems. Coordinate with the general trade for installation and flashing."

Section 23 10 00

1. Add the following new clauses to item 2.1 piping:
- "3 All generator exhaust piping shall be Sch 40 carbon steel piping with butt welded joints and fittings.
- .4 Provide Anvil roller hangers, and chair rollers or equivalent, on all horizontal generator exhaust piping, indoors to be carbon steel roll hangers, exterior piping to have galvanized coated roll hangers or chairs.
- .5 Provide SS insulation shields over piping insulation to support and protect all exhaust piping insulation and coverings or cladding."

ELECTRICALSection 26 32 00

1. Replace clause .1 within item 2.3, with the following new clause:
- "1 Exhaust silencers shall be provided by the generator supplier and have the following insertion loss performance:

HZ	63	125	250	500	1000	2000	4000	8000
dB	15	20	30	30	25	20	19	19

Section 23 Mechanical shall mount the silencer on vibration hangers so that its weight is not supported by the engine nor by the riser exhaust stack."

2. Add the following sentence to clause .2, within item 2.3:
- "2 Flexible connector shall be provided by the generator supplier and shall be of SS 316 construction rated for 1200°F service as required by CSA B139 and by TSSA requirements."
3. Add the following sentence to clause .3, within item 2.3:
- "3 Generator exhaust piping, drain valve supply and installation shall be done by section 23 Mechanical."
4. Replace clause .4, within item 2.3 with the following new clause:
- "4 Generator exhaust piping, roof thimble and rain guard to be supplied and installed by section 23 Mechanical."
5. Replace clause .5, within item 2.3 with the following new clause:
- "5 Coordinate with sections 23 and 25 Mechanical for the intake and exhaust air systems for radiator cooling, start-up and stop sequencing."

ADDENDUM #3 (Continued)

6. Delete clauses .1, .2, .3, .4, and .5, within item 2.3 and replace with the following new clauses:
- .1 Generator supplier to provide a 1110 litre capacity, ULC S602 labelled, double walled day tank, compliant with CSA C252-00 and CSA B139-00. Day tank shall come with a factory mounted and tested vacuum leak detector and vacuum switch, welded cradles, tank walls constructed from ASTM A569 steel finished with primer paint coat and top coat, equivalent to DTE Industries part number 92325. Provide 5 year warranty on tank shell and nozzles.
 - .2 Section 26 shall provide a suitable grounding wire to the day tank for static electricity protection.
 - .3 Day tank fuel piping controls and low voltage control wiring shall be by section 23 and section 25 mechanical. Line voltage power wiring shall be by section 26."

CHANGES TO DRAWINGSARCHITECTURALDrawing A2-2 & Detail 2

1. Change doors 152 and 153 to S1 screens.

MECHANICALDrawing M3-3

1. Refer to partial basement floor plan detail 2:
 - .1 Provide a new 12" depth acoustic wall louver for the 48" x 48" air intake equivalent to Vibron (Kinetics) with the following performance characteristics at 6600 CFM and 0.15" PD maximum:

HZ	63	125	250	500	1000	2000	4000	8000
dB Atten	-	7	11	15	16	17	18	18
 - .2 Provide an anchor fixing at the base 10" exhaust stack riser and 6" diameter drop leg with 1" drain valve for condensate drain collection. Exhaust piping shall slope away from the silencer towards the drop leg. Horizontal exhaust piping shall be supported by roller hangers.
 - .3 Mechanical shall install the day tank as supplied by the generator supplier and flex connector also supplied by the generator supplier. All other piping and controls to be provided by Mechanical, refer to specifications 23 10 00 Fuel Systems for details.
 - .4 Mechanical section 25 shall provide controls for the intake and exhaust dampers, including control narrative so that dampers open and close or recirculate the exhaust air. Section 25 shall provide a temp sensor and controller to modulate the air dampers to maintain a minimum indoor temperature of 60°F in the generator room during winter weather and 100% exhaust in summer weather.

ADDENDUM #3 (Continued)

2. Refer to partial basement exterior elevation 4:
 - .1 Clarify that the exhaust air screen construction shall be SS 304 mesh, with maximum 1/4" x 1/4" mesh spacing, durable against weather and resistant to mechanical damage. Provide suitable steel framing to house the exhaust air screen.
2. Refer to duct section 5:
 - .1 Clarify that duct sizes shown on this section shall have sizes to match the damper and louver sizes as shown on the partial floor plan detail 2.

ELECTRICALDrawing E1-1, E2-1 Note # 12 Clarification

1. The hatched area shown on above drawings is N.I.C (Not Included in Contract).

Drawing E2-4 Note # 12 Clarification

1. The rental power generator capacity shall be as per existing generator capacity, it shall be suitable to feed existing essential power load.
2. The rental power generator shall be switched over in regular business hours (Tuesday, Wednesday and Thursday). Coordinate at site with owner representative before switching the generator.
3. In corridor B21 near grid line E2 & 3, Provide ceiling mount connection to control transformer for mechanical equipment. Coordinate at site with mechanical contractor. Provide 1-15A SP breaker at cct#12 and connect Control transformer wiring to the circuit. Provide all associated components to suit. Complete all connections.

Drawing E2-6

1. In room 206, freeze stat is added in AHU-1 (by Mechanical) Coordinate at site with mechanical contractor. Provide 15A, SP breaker in panel LP-F at cct#4, run wiring to freeze stat as per manufacturer recommendation. Provide all associated component to suit. Complete all connections.
2. Outside room 206 delete separate wiring for ERV-1, ERV-EF and ERV-W as Shown on E2-6 and E3-1A. Provide single point wiring to ERV-1, 575V, 34FLA, 42MCA, 40MOCP. All the existing options for ERV-1 shall stay. Coordinate at site with Mechanical contractor. Provide all associated components to suit. Complete all connections.
3. In room 206 revise panel LP-G (panel schedule shown on E3-2) total connected load to 96.17KW, panel demand load to 87KW @0.9PF, 104A @600V, 3Phase.

Drawing E3-1

1. Add the following fixture Type "N":

N	Lithonia	Rough Service CFL	VRIC-42TRT-120-LPI	1-42TRT	S
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Drawing E3-3

1. On Fire Alarm panel add freeze stat trouble signal. When the AHU-1 is shut down by freeze stat, a local trouble signal shall appear on Fire Alarm panel. No signal to fire department for unit shut down by freeze stat.

ADDENDUM #3 (Continued)Drawing E3-4A

1. On drawing E3-4A Replace Wire size for panel LP-G from 3#1/0+G to 3#2/0+G in 2-1/2" conduit. Provide all associated components to suit. Complete all connections.

END OF ADDENDUM

Regards,



Senior Purchasing Analyst

Fax: 905-791-3697

The Addendum number and date must be included in the Form of Tender in order for your bid to be given consideration.