

Public Works and Government Services Canada	CSC Building C-29 Laundry Ventilation Upgrades Saskatchewan Penitentiary Prince Albert, SK	Addendum No. 1 Page 1 of 3
Project No.: R.076925.001		July 26, 2017

ADDENDUM No. 1

1. EQUALS

THE FOLLOWING MATERIALS ARE APPROVED EQUIVALENT TO THAT SPECIFIED

Section Specified	Approved Equivalent
23 00 00 Price Louvres	Ventex / Westvent
23 00 00 Price Grilles, Registers, Diffusers	Nailor Industries / Krueger
23 44 00 Filter Bank	BGE / AAF

2. AMENDMENT TO DRAWINGS & SPECIFICATIONS

Reference all Divisions

1. Contractor shall provide temporary makeup air heating system from September 30, 2017 until Project is Substantially Complete. Temporary heating system to be as described below:
 - .1 Install temporary glycol heating coil on intake of existing makeup air unit to be supplied with glycol heating water from temporary heating plant.
 - .2 Modify existing makeup air unit to as required to accommodate temporary heating coil.
 - .3 Temporary boiler plant to be located outside, at grade, exact location to be coordinated with Owner and Consultant.
 - .4 Provide all necessary hoses, temporary electrical power, pumping, controls, etc.
 - .5 Switchover from temporary makeup air heating to permanent makeup air system to occur over maximum 48 hour period – Coordinate schedule with owner a minimum of two(2) weeks in advance.
 - .6 Temporary makeup air system to be capable of heating 4,700 l/s of air from -40 C up to 20 C.
 - .7 Fuel source to be natural gas. Contractor to provide all necessary piping, regulators, etc. Owner to be responsible for cost of fuel consumed.
 - .8 Contractor to service existing makeup air unit blower as required to ensure that it is operational.

2. Drawing W-A1 Floor Plans Architectural
 - .1 Plan 1 – Partial Ground Floor Plan – Demolition
At south west corner of room in dryer's service area as noted for exhaust fan demolition, include at roof deck to remove sections of existing steel framed opening and portions of metal deck to allow for new framed opening. Refer to mechanical.

 - .2 Plan 2 – Partial roof Plan – Demolition
At south west corner of roof area where noted for removal of ductwork, allow for removal of existing curb and to allow for installation of new roof curb size.

At southwest corner of roof remove nearby nominal 300x300 louvre penthouse and roof curb. Provide new section of metal deck to cover opening and repair roof area/. Louvre penthouse to be used elsewhere.

 - .3 Plan 4 -Partial Roof Plan – New
At south west corner of roof at new roof opening for mechanical ductwork provide and install at underside of roof deck new steel framing to support curb, new steel framing to span between exiting roof joists. Angle framing to be min. 76x76x6.4mm thick, all weld in place. All to be shop primed.

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Provide new curbs for new duct work, Curbs to be nominal 38x240 treated wood with clear inside dimension required to suit mechanical. Extend roofing membranes up and over curb complete with new flashing, all to meet accepted practices.

Refer to other divisions this addendum for coordination.

3. Drawing W-E1 Floor Plans Electrical Demolition, New.

.1 Plan 1 – Partial Ground Floor Plan – Demolition

At south west corner of main laundry room next to door to Laundry Detergent Room the fire alarm device to remain in place, the surface mount conduit that feed down from joist space is to be relocated as necessary to allow new ductwork to pass in joist area, coordinate on site, re-wire to suit. Allow cost for verification.

At platform area above the detergent room, relocate existing 120 volt power to an exhaust fan being demolished. Provide new local on-off switch to be located near new the exhaust fan. Extend new power in conduit.

Refer to other divisions this addendum for coordination.

4. Drawing W-M1 Floor Plans Mechanical, Structural Demolition, New.

.1 Plan 1 – Partial Ground Floor Plan Ventilation - Demolition

At south west corner of room in dryer's service area as noted for exhaust fan demolition, include at roof deck to remove sections of existing steel framed opening and portions of metal deck to allow for new framed opening.

At south west corner of room above Detergent Room, remove exhaust fan, and sections of inlet ductwork to fan, discharge ductwork from fan up to roof louvre penthouse that is to be relocated, roof opening to be repaired, power to be relocated.

.2 Plan 2 – Partial Ground Floor Ventilation - New

At south west corner for existing Detergent Room, replace existing exhaust fan with new fan which is to be located in laundry area. Support from wall or roof structure. Run new 150 diameter inlet ductwork, run new 150 diameter discharge ductwork from fan up thru new roof opening and curb to relocated louvre penthouse above. Provide manual on-off switch at accessible location, Fan location and roof opening to be coordinated on site

Provide and install new inline blower cabinet exhaust fan to deliver 47 L/S at at 63 Pa. APD, 67 Watt, 120 Volt motor. Cook Model GN-240. Provide variable speed switch mounted to unit to control air volume. Provide vibration isolation. Provide flex connection to fan inlet and discharge, Unit complete with backdraft damper.
Acceptable manufacturer : Cook, Greenheck, Broan.

Service area behind dryer's, revise size of filter bank FIL-1 to new nominal 2440x1820H and increase plenum dimensions to suit.

New opening to be cut thru existing roof for new 1200x1350 duct. Location to suit existing joists. Run new duct up thru opening, provide to flare duct in built up plenum.

- .3 Plan 4 -Partial Roof Plan Ventilation – New
At south west corner of roof, relocate existing nominal 300x300 louvre penthouse used for Detergent Room exhaust to new location east, run new ductwork up thru new roof opening and new roof curb, provide duct transition. Flash and seal penthouse to curb.

Revise new return air duct up thru roof to be 1200x1350, flare into plenum. Provide to flash and seal at new roof curb.

Refer to other divisions this addendum for coordination.

5. Drawing W-M2 Mechanical Details, Sections.

- .1 Plan 1 – Partial Ground Floor Plan Plumbing, Fire Protection – Demolition, New
At south west corner of room above ceiling of Detergent Room, relocate 65 fire line service dropping down into detergent room from joist space to allow installation of new supply duct main. Re-pipe another 65 sprinkler line serving the area behind the dryers to allow for new filter bank and plenum to be installed. Contractor to coordinate on site to suit.

- .2 Section 6 2 – Filter Bank Section
Revise new return air duct up thru roof to new 1200x1350.

Revise filter bank FIL-1 to new 2440x1820 , 4 units wide x 3 units high (12 units total)

Contractor to provide and install on the backside of the plenum above the detergent room roof and underside of supply duct a 600x600 gasketed access panel for access to this area.

6. Specification

- .1 Section 23 74 00 Packaged Outdoor HVAC Equipment.

Specified equipment - Engineered Air
Acceptable Manufacturer – Price Industries

END OF ADDENDUM NUMBER ONE