



TENDER AMENDMENT

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Title: Compound Operations Centre Redevelopment, Riding Mountain National Park		
Solicitation No.: / N° de l'invitation : 5P420-17-5024/A	Amendment No.: / N° de modification de l'invitation : 006	Date: May 12, 2017 Date : 12 mai 2017
GETS Reference No.: / N° de référence de SEAG : PW-17-00774185		
Solicitation Closes: / L'invitation prend fin :		
At: 02:00 PM	On: May 16, 2017	Time Zone: Mountain Daylight Time (MDT)
À : 14h00	Le : 16 mai 2017	Fuseau horaire : Heure avancée des Rocheuses (HAR)
Address Inquiries to: / Adresser toute demande de renseignements à : Nicole Levesque-Welch		
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AMENDMENT 006

This amendment is being raised to respond to questions submitted in response to solicitation 5P420-17-5024/A:

A. QUESTIONS AND ANSWERS

Q78. Fire Alarm: What are the specs for the system? Is it to be addressable or conventional?

A78. See DSP 6 – 17-5024 folder for specification 28 31 00.

Q79. What type of fire alarm system is to be installed in the building?

A79. See DSP 6 – 17-5024 folder for specification 28 31 00.

Q80. Specification on the Continuous Soffit Vents are required.

A80. Continuous soffit deleted. See amendment 004 for further details.

Q81. Mortar Net and Cavity Vents is referenced in the Spec and not shown in Drawings. What is the Intent?

A81. Location of Cavity Vents called up in Execution – Clause 3.8.2 - Install cavity vents in at 800 mm on centres horizontally below lintels, window/louvre sills, and at top of walls.
Mortar net is a type of weep hole protection.

Q82. Drawing S-103 Detail 2 makes note of Hi 60 Insulation around Thickend Edge but is not showing in the Section. What is the extent or Area required to insulate?

A82. The bottom end of the insulation below grade shall terminate 1200 mm from the face of the grade beam. Refer to the Wall Sections on Drawing A-401.

Q83. Exterior Rigid Insulation at Grade Beams is shown in different thickness and continuity in Architectural Drawing Detail 2 on A-401 and Structural Detail 2 in S-107

A83. Rigid insulation to be 100 mm, Type 4, as shown on the Architectural Drawings. See herein for further details.

Q84. What is the Intent? Which detail shall be used? (Architectural shows sloped away from Building)

A84. See herein.

Q85. Regarding the conduit runs for the building interior a) Does all exposed conduit have to be Aluminum rigid conduit or can EMT be used in dry areas b) Do the branch circuits from the pull boxes in the ceilings to the device boxes (concealed) have to be Aluminum rigid conduit or can this be EMT or AC90? c) For concealed wiring from device box to device box in the wood structure, have to be Aluminum rigid conduit or can this be AC90 (in steel walls or wood walls_ or NMD90 (in wood walls)?

A85. a) EMT may be used in dry areas b) EMT c) Install all wiring in conduit systems. Use of armoured cable to be limited to individual drops from ceiling mounted junction boxes to light fixtures above accessible ceilings. Maximum length to be 3.0 m. Use one drop per fixture. No looping between fixtures. Use of armored cable is not permitted to be installed horizontally through walls for the servicing of wall mounted devices.

Q86. The spec on outlet boxes is vague. Do the concealed outlet boxes (in dry areas) have to be rigid FS or FD boxes or square boxes with plaster rings? Is it the same for data?

A86. OUTLET BOXES FOR METAL CONDUIT

Materials:



Surface or recessed concealed type: Die formed steel, hot dip galvanized, 1.25 oz/sq. ft. minimum zinc coating.

Surface mounting exposed: Cast ferrous for threaded conduit, with attached lugs, corrosion resistant two coats finish.

Components:

Ceiling outlets, surface mounting, concealed:

101 mm square, depth 54 mm, Iberville 52171 series

119 mm square, depth 54 mm, Iberville 72171 series

Ceiling outlets, concealed mounting in concrete:

101 mm octagonal concrete rings, depth from 38 mm to 152 mm Iberville 54521 series.

Extension ring to change from recessed conduit to exposed conduit, 101 mm octagonal, 38 mm deep square Iberville 53151-1/2 or 38 mm deep octagonal Iberville 51151C or 54 mm deep, Iberville 55171C.

Wall boxes, concealed in concrete or masonry: for one and two gang applications shall be 101 mm square, 54 mm deep, 52171 series complete with suitable 52-C-49 series square cornered raised tile wall cover for proper device and wall surface application. Masonry boxes may be used for line voltage switching.

Wall outlets, concealed non-masonry construction, with plaster finish: For one or two gangs used with switches, receptacles, etc., use 54 mm deep Iberville 52171 series, with matching plaster covers, depth to suit. Alternately, use 119 mm square boxes, Iberville 72171 series and covers as required.

For more than two gangs use solid boxes Iberville GSB series with GBC series cover.

Wall outlets, surface, exposed mounting or used for outdoor outlets: One or more gang, Crouse-Hinds FS series or FD series, conduit.

Covers: Unless wiring devices and plates are mounted, provide blank, round canopy covers to match boxes.

OUTLET BOXES FOR RIGID PVC CONDUIT

.1 Rigid PVC boxes and fittings: Unplasticized PVC.

- Q87. There are no specs for data but show outlets on the plana) are we to just put in pull boxes in each location) Are we to do a conduit system for the data/phone c) are we to pull Cat6 for this scope or is done by others?
- A87. This work will all be out of the scope of this contract. A separate contractor will be doing this work. Work must be carefully coordinated between contractors to ensure this work is completed when walls are still open.
- Q88. Card readers are by others but are we to supply 120v power for the card reader locations? Are all the wiring and conduit outside the door locations by others? Detail 6 shows using a gutter to run wires back to the server room, are we supplying this gutter? Can you confirm all card reader equipment is supplied by others?
- A88. This work will all be out of the scope of this contract. A separate contractor will be doing this work. Work must be carefully coordinated between contractors to ensure this work is completed when walls are still open.
- Q89. Re: luminaire drops and daisy chaina) no specs for any wiring outside of conduit. How are these supposed to be done? Are we to use AC90 or flexible conduit?



- A89. See answer under question 85.
- Q90. Who provides the electric heaters (FF 1-7)? They are shown on both electrical and mechanical.
- A90. The mechanical contractor will be providing the force flow heaters.
- Q91. Architectural Drawings show Double Top Plate at exterior Walls with Deflection Track above, where the structural Drawings show a 3-Ply top Plate. Please clarify.
- A91. Double Top Plate required at exterior walls. See previous amendments for details.
No Deflection track - Addendum #4, part B 1.17.2. Delete expansion track at top of exterior walls.

B SPECIFICATIONS AMENDMENTS

1.1 Refer to Section 07 21 00 – Building Insulation

- 1.1.1 Add clause 2.1.3: Polystyrene: to CAN/ULC S701, Type 4, maximum flame spread index of 25 for 25 mm of material, thicknesses shown on drawings. Ship lapped edge, minimum compressive strength of 210 kPa, maximum water vapour transmission of 35, minimum long term thermal resistance (LTTR): RSI 0.87/25 mm thickness. Location: all below grade locations including perimeter grade beam, foundation, etc..
- Acceptable products:
"Styrofoam SM" by Dow Chemical Canada Ltd.
Foamular C-300

1.2 Refer to Section 26 27 26

Add the following to Section 26 27 26

2.5 Occupancy Sensor Switches

- .1 20 A, 120-277 V AC, single pole switches as indicated on the drawings.
- .2 Manual-on / Automatic-off occupancy sensor ac switches with following features:
 - .1 Adjustable ambient light override 5 – 200 fc for photocell.
 - .2 800W Incandescent / 1000W fluorescent load rating.
 - .3 White switch and sensor body fitting decorator style wall plate.
 - .4 Pig tail connection leads.
- .3 Standard of Acceptance: Hubbell IWSZP-3P-W.

C. DRAWING AMENDMENTS

1.1 Refer to Drawings A-401 (also S-107, detail 2)

Details 1 and 2: Regarding rigid insulation below grade, add the following note:
100 Type 4 Rigid Insulation - full depth of grade beam.
At bottom of grade beam, extend sloped Type 4 rigid insulation 900 out from building.

1.2 Refer to Drawing E-105

Add: Provide, install, wire and connect (1) duct mounted smoke detector servicing HP-1. Install in accordance to NFPA 90A.

1.3 Refer to Drawing E-103

Add: Provide, install, wire and connect (1) light switch for control of corridor lighting. Locate on East wall of printer area.

1.4 Refer to Drawing E-103



Add: Revise lighting control of all public areas (excluding corridors), to be occupancy controlled. These areas include the rooms 103,105, 104, 108, 109, 110, 112, 113, 114,116, 126, 127, 128, 130, 131, 133, 134, 135, 136, 137, 138.

D. SPECIFICATIONS CLARIFICATON

Any references made to Appendix A, Environmental Impact Analysis J15-029 and Addendum #1 within the specifications have been replaced by the documents submitted under DSP 5P420-17-5024, 3 BMP.

E. CORRECTION TO AMENDMENT 004

Under page 13 of 14 of Amendment 004, C. Drawing Amendments, 1.5 Refer to Drawing M-404, Mechanical Schedules, the model number under 1.5.2 should state OAS05038.

All other terms and conditions remain the same.