



TENDER AMENDMENT

RETURN BIDS TO:

Parks Canada Agency
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Bid Fax: (403) 292-4475

The referenced document is hereby amended: unless otherwise indicated, all other terms and conditions of the contract remain the same.

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Agence Parcs Canada
635 – 8 Avenue S.O., pièce 1300,
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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 : 004	Date: May 9, 2017 Date : 9 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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TO BE COMPLETED BY THE BIDDER (type or print) À ÊTRE COMPLÉTER PAR LE SOUMISSIONNAIRE (taper ou écrire en caractères d'imprimerie)		
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AMENDMENT 004

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

A. QUESTIONS AND ANSWERS

- Q1. The Table of Contents of the specifications lists Appendix A, Environmental Impact Analysis J15-029 and Addendum #1, however the section cannot be found.
- A1. See folder DSP – 5P420-17-5024 for documents.
- Q2. Would the governing authority reconsider a Performance Bond (form PWGSC-TPSGC 505) and a Labour and Material Payment Bond (form PWGSC-TPSGC 506), as referenced in the bid documents, in lieu of the 20% security deposit, as contract security?
- A2. Yes, see GC 9.2 under SACC clause R2890D for acceptable types of contract security.
- Q3. Could you provide clarification on the following items?
- a. Ceramic tile:
 - There is no specification for any ceramic tile.
 - The location for CT 2, as found on the finish schedule, at Rm 105 Kitchen, is not shown on any elevations.
 - b. Flooring:
 - There is no specification for sheet vinyl flooring as found on the finish schedule.
 - There is only a spec for epoxy flooring.
 - Is the specified epoxy to be used in rooms 107 and 108 where *sealed concrete* is shown on the finish schedule?
 - c. Ceilings:
 - There is no specification for the Metal Plank ceiling as shown on the finish schedule.
 - Specification section 09 13 00 2.1 Materials, states cold rolled steel, which is standard, but note 4 says: Exposed tee bar grid components: *Clear Anodized*.
 - d. Fence:
 - Drawing A-201 shows fencing on both sides of the building and note 10 refers to drawing A-101 for extent of fencing, however there is no specification for the fence.
 - e. Wall types:
 - W1, W2, P8, and P9 call up *5 Steel Riveting Sheet or Mesh*. There is no specification for this.
 - There is no Specifications for the steel stud wall types P8 and P9.
 - f. Soils Report:
 - Spec section 31 63 23 note 1.3.1 States: **A sub-surface soils investigation report of the site has been prepared and is bound into the Project Manual.** Section 01 10 00 note 1.33.1 states: Geotechnical information documents are not available for the project. It would be extremely helpful to the piling contractor, the geotechnical engineer, we are to retain, as per section 31 63 23, 3.1.3, as well as for the purposes of the entire section 31 23 33, to have this information.
 - g. Paint:
 - There is no paint specification for the drywall paint.
 - Does the Wood Painted section (.2 Indoor surfaces) Schedule of Finishes - spec 09 91 00; 3.9, apply to the plywood ceilings in rooms 107, 108, and 116?
- A3. a. CT2 not required in Rm 105. See folder DSP 4 – 17-5024 for revised spec.



- b. Epoxy only in shower area. Rooms 107 & 108 to have sealed concrete. See folder DSP 4 – 17-5024 for revised spec.
- c. See herein for spec update.
- d. Permanent fencing shown in the drawing is out of the scope of this project.
- e. See herein for spec update.
- f. See amendment 003 for Geotechnical document.
- h. Yes, wood painted applies to plywood ceilings. See herein for spec update.

Q4. Will there be water available during construction?

A4. Yes

Q5. Could you provide a specification for the Bathroom Partitions?

A5. See folder DSP – 5P420-17-5024 for documents.

Q6. Will you be providing a Spec for the Ceramic Tile?

A6. See folder DSP – 5P420-17-5024 for documents.

Q7. I am looking for clarification on an apparent conflict between the architectural and structural concrete details. The structural drawings show a 300mm thickened edge on the sidewalk all around the building, and note a 150mm sidewalk outside of that. The architectural drawings, particularly 15-A101/A404, show a 150x600 “parking curb” at the edge of the sidewalk. Also, the callout on A101 apparently misses the mark, but looks like it should be pointing to the precast parking bumpers.

I would likely assume that the structural has precedent on the reinforced concrete, and that it consists of a thickened edge sidewalk all around the building, and 150mm non thickened sidewalk for the remainder of the concrete paving shown on the architectural drawings, but I think this should be clarified. If there is anywhere the 150x600 curb is required, that needs to be shown clearer, and reinforcing details need to be given.

Also, for clarity, when the length of a dowel or tie bar is given, is that the total length of the bar, the length of the long leg, or the length of projection from one piece of concrete to the other?

A7. Detail 15/A-404: Remove reference to “150x600 concrete parking curb”. Sidewalk to have 300 mm thickened edge as per structural drawings. See herein for updated information.

Q8. Drawing E-401 shows electric strikes and a handicap operator. This hardware does not appear in the door hardware schedule. If these items are to be included in the contract we will require a specification for the door and door hardware supplier to follow.

A8. Door hardware added herein for doors with handicapped operators (doors 106A and 106B).

Q9. What is the scope and extent of the gravel parking area?

A9. As detailed on Sheet A-101 “Site Plan” Gravel Parking is to be limited to the 34 stalls shown adjacent to the building on this plan. The “Future Parking Stalls” (also shown on this plan) are to be out of scope.



- Q10. Can you clarify for me the brand, Type of flooring requested? I see the room finish schedule and it tells me which rooms has which flooring but not the brand. Our flooring subcontractors are saying there is a wide variety.
- A10. See herein for spec for sheet vinyl flooring.
- Q11. We have received several Requests from Piling Trades on whether a Soils Analysis for the Site can be made available. Would you have any information on that?
- A11. See amendment 003 for Geotechnical document.
- Q12. Regarding DWG A-001:
- a. Wall Construction Schedule:
 - i. W2, P8, & P9: Can you specify a product to use for “5 steel riveting sheet or mesh”?
 - b. Ceiling Construction Schedule: Can you specify product to use for AT1, AT2, and C4? The spec describes some attributes for AT1, and the other two ceiling types seem to not exist anywhere.
 - c. Roof Construction Schedule:
 - i. Specified is “13mm plywood sheathing with H clips/Blocking as required by structural...”
 - ii. In Structural Dwg S-101, under wood notes: “Roof and Wall plywood sheathing.....provide blocking at sheathing joints” – This seems like a ridiculous amount of work. We propose 5/8 T&G plywood in lieu of H clips and blocking as labour costs for all this blocking would be excessive.
 - d. Finish Schedule:
 - i. Product has not been specified for CT1, RB1, SV1, SV2, SV3 (Floor Finishes)
 - ii. There is a detailed specification for EP – (EPOXY flooring finish,) but NO epoxy floor finish has been identified anywhere in the room finish schedule or drawings. Please clarify.
- A12. a.i. Updated within amendment
- b. Updated within amendment
- c.ii. No, detail remains unchanged.
- d.i. Updated within amendment
- d.ii. Epoxy finish in shower area, Epoxy flooring specification updated.
- Q13. DWG A-201 & DWG A-301 show elevations with plumb-installed fascia’s on the roof edges. Detail DWGS on A-401 show fascia boards, metal fascia, and eaves-trough mounted on a slanted rafter tail. This slanted detail would cause a number of installation issues as well as long term problems with drainage and failed fastenings of fascia & raingear. Please clarify this detail.
- A13. Detail has been updated to plumb as per elevations. Updated in amendment.
- Q14. Regarding DWG A-401:
- a. Details show wall sections with deflection track on the top plates of interior walls and expansion track on the tops of exterior walls. While we understand the deflection track on interior walls, we do not understand the



intent of the track on the exterior walls. This will cause issues for anchoring the trusses to the wall top plates and seems unnecessary. Please clarify the intent of this exterior wall expansion track.

A14. Expansion track removed at exterior walls. Updated in amendment.

Q15. In Specification 04 22 00 -2.1:

- a. Two types of block veneer have been specified. Drawing A-201 only shows one type installed. Drawing S-107(1) shows a detail of 2 distinctive masonry finishes, with an additional sill. However this same detail says "see architectural drawing". Can you clarify the masonry type and installation locations on the architectural elevations?

A15. Updated within amendment

Q16. I would like to inquire who the building permit issuing authority is, and what the permit rates are (if different from the OFC)?

A16. See specifications for the following:

1.15 Permits, Licenses, Certificates and Fees

.1 Contractor shall pay for all permits, licenses, certificates and all fees required for performance of the Work in accordance with General Conditions and Supplementary Conditions

There is no permitting requirement for work done in Riding Mountain National Park for Parks Canada. However business permits are required for all contractors and subcontractors. These can be obtained at the Administration building in Wasagaming at a base cost of \$98.10. To obtain such a permit the contractor must show proof that they carry commercial general liability insurance (see insurance requirements within solicitation document) for the period of validity of the licence. Proof of the required liability insurance must be submitted to the Park Administration office prior to issuance of a National Parks Business Licence.

Q17. For the C4 ceiling type it calls for a 203 X 305 metal panel , we have not been able to find this particular size, is there a manufacturer that you had in mind for this panel and type of panel as there are many different types?

A17. See herein for spec update.

Q18. Also in the interview room and RC area, the walls call for 5 steel riveting sheet, but we are not able to find a 5 in any of our product suppliers. Is this meant to be 5mm thick?

A18. Yes, 5 mm thick sheet, or mesh to be high strength 3/4 inch diamond pattern x 9 Gauge steel expanded metal. Updated in amendment as note on drawing A-001.

Q19. The exterior wall is a wood studded wall, so would then the steel be fastened with fender washers and screws or the interior walls in this area are steel stud so they can be riveted?

A19. Yes.

Q20. The Color Schedule (Section 09 06 00) could not be located within the specifications. Do you know where it is?

A20. There is no colour schedule at the tender stage. Colour schedule will be issued after contract is awarded. Colours will be selected by the Departmental Representative from manufacturer's standard colours. Reference to 09 06 00 removed in amendment.

Q21. For the metal roof system there is a reference to the roof underlay that simply says "eave protection", is the roof underlay supposed to be over the entire roof surface or just at the eaves, valleys, and ridges?



- A21. Yes, entire roof. Updated in Addendum.
- Q22. Does the standing seam roof require sealant in the interlocking laps?
- A22. Install sealant as required by standing seam manufacturer.
- Q23. When referencing "Air Barrier Membrane" within the exterior wall assemblies, what type of product are you looking for? Is Tyvek Commercial wrap sufficient or would you be looking for a peel + stick membrane such as Sopraseal Stick VP or Bakor Blueskin VP160?
- A23. Peel & stick, updated in amendment.
- Q24. The "Building Insulation" specification references exterior roof insulation several times but there is none shown on the drawings or the R1 roof assembly. Is there supposed to be insulation underneath the metal roof?
- A24. No insulation required under the metal roof. Updated in amendment.
- Q25. What type of insulation is required within the exterior wall assemblies W1 and W2? Type 3 Polystyrene? W1 and W2 assemblies reference RSI 3.5 but the only type of rigid insulation in the specs is Type 3 Polystyrene which has an RSI 5.
- A25. The rigid insulation referred to on the drawings is an RSI 3.5 total (for 100 mm). The Type 3 insulation in the specs is RSI 0.87 / 25 mm (R5 / inch) = RSI 3.5 / 100 mm (R20 / 4 inches).
- Q26. Would screw and plate fastening be an acceptable method of attaching the insulation in exterior walls W1 and W2?
- A26. Yes
- Q27. What profile and colour are intended for the exterior metal siding?
- A27. Included in amendment.
- Q28. Can you please provide some clarification on the Sheet Vinyl Flooring? There is no brand or type listed in the specifications.
- A28. Specification section included in amendment.
- Q29. Please provide clarification on the Wall and Roof Cladding profiles from VicWest.
- A29. Included in amendment.
- Q30. Is there a cable spec for the voice data cabling? Cat5e or cat 6 -- FT4 or FT6 cable.
- A30. Not to be included under this contract.
- Q31. Is there a specified brand for voice data jacks? Cheap jacks can be really poor quality.
- A31. Not to be included under this contract.
- Q32. Is there a spec for the speaker and equipment needed for that system? Amp spec?
- A32. Parks Canada will supply the radio, antenna and 50 ft of cabling for connection between the two. The contractor will be required to install this equipment as well as connect the radio to a speaker located within the main hallway. The contractor is to supply the speaker and cabling from the radio to the speaker. The radio Parks Canada will supply is a Motorola APX 4500. The auxiliary speaker supplied by the contractor should be compatible with this radio model and feature independent volume control.



- Q33. Does the Voice cabling terminate in the server room or at the building demarcation point?
- A33. Not to be included under this contract.
- Q34. There is no equipment specs for the IT server equipment.
- A34. Not to be included under this contract.
- Q35. Floor Finishes referenced in the Room Finish Schedule as SV 1,2,3 (Sheet Vinyl). No Product Specification was found in the Spec Book. Can this be provided?
- A35. Specification included in amendment.
- Q36. Drawing A-101 makes reference to a Fenceline away from the Building. This Fences are also shown in the Elevations A-201. There is no detailed description or Cross Section on how the fence is supposed to be built and which materials to be uses. Could this be clarified?
- A36. The permanent fencing shown in this drawing is out of the scope of this project.
- Q37. Sheet Vinyl Flooring Specification
- a. Drawing A-001 finish schedule notes 3 different types of sheet vinyl flooring (SV1, SV2, SV3) but there is no further reference to product information in the drawings or specifications that will adequately allow a flooring contractor to provide a quotation. Please provide further indication as to what product, color, etc. is desired for these 3 types of sheet vinyl flooring.
- A37. Specification included in amendment.
- Q38. Chain Link Fence
- a. Drawing A-101 notes a fenceline at the east & west ends of the building, additionally the fence is shown on Drawing A-201, but there is no further reference to this fence in the specifications. Can you please provide a specification or drawing detail that can provide adequate information regarding the acceptable material, fence height, etc. that will allow accurate quotation from a contractor?
- A38. Refer to response under Question #3.
- Q39. Preformed Metal Siding
- a. Spec Section 07 46 13 Preformed Metal Siding, Page 2 of 3, Note 2.2.1 states "VicWest Steel Inc., profile as selected by the engineer", but we cannot find further reference to the desired VicWest metal profile required. There are many various profiles to choose from, but without knowing the exact profile and color we are unable to accurately quote this portion of work. Please provide a specification noting the required preformed metal siding profile & color.
- A39. Updated in amendment.
- Q40. Sheet Metal Roofing
- a. Spec Section 07 61 00 Sheet Metal Roof, we cannot find reference to the roof metal profile & color required. There are many various profiles to choose from, but without knowing the exact profile and color we are unable to accurately quote this portion of work. Please provide a specification noting the required sheet metal roofing profile & color.
- A40. Updated in amendment.
- Q41. Metal Plank Ceiling System



- a. Drawing A-001 Ceiling Construction Schedule, ceiling type C4 is described as a “203x305 Metal Plan Ceiling System” but there is no further reference to the desired product in any other drawings or specifications. As there are many products to choose from varying in quality and cost, we cannot accurately quote this portion of work without further information. Please provide a specification for this product.
- A41. Updated in amendment.
- Q42. Plywood Soffit
- a. Drawing A-401, Wall Section W1/W2, a “prefinished plywood soffit” is noted under the roof eaves, but we cannot find further reference to this product in the specifications. Please provide a specification for the desired product so we can accurately quote.
- A42. At soffit remove “prefinished plywood soffit, blocking as required and continuous vents”, replace with “Vented Smooth HardieSoffit Panels by JamesHardie”. This has been updated in amendment.
- Q43. Wall Top Plate Expansion Track
- a. Drawing A-401, Wall Section W1/W2, noted on the exterior walls, the top plates are to be fabricated c/w expansion track, noted “refer to structural”, but there is no further reference to the required construction in the structural drawings or specifications. Please provide the structural reference to the wall top plate construction required as noted.
- A43. Expansion track deleted. Updated in amendment.
- Q44. The finish schedule refers to SV1,2,3, and also ceramic tile (ct1,2). There is no specifications in division 9 for these products. Can you provide further information?
- A44. Specification included in amendment.
- Q45. Under A-001, Wall types W2, P8 and P9 are specifying that 5mm steel riveting sheets or mesh are to be used, but there is no specification for this. Please provide.
- A45. 5 mm thick steel sheets or mesh to be high strength 3/4" diamond pattern x 9 Gauge steel expanded metal. Included in amendment.
- Q46. Wall sections 1 and 2 on drawing A-401 show pre-finished plywood soffits and continuous vents, but there are no specification for them. Please provide.
- A46. At soffit remove “prefinished plywood soffit, blocking as required and continuous vents”, replace with “Vented Smooth HardieSoffit Panels by JamesHardie”. This has been updated in amendment.
- Q47. Under A-001, Wall types W1 and W2 specify an air barrier membrane on the exterior of the wall system, but there are no specification for this. Please provide.
- A47. Updated in amendment.
- Q48. Under A-003, the door schedule specifies that doors 101A, 101B, 106A, 106B, 115A, 115B, 119B, 132A, 132B are to be aluminum doors in a pressed steel frame. Our steel door supplier says they have never seen this done and wouldn't recommend it. Please clarify.
- A48. All aluminum doors (101A, 101B, 106A, 106B, 115A, 115B, 119B, 132A, 132B) to have aluminum frames as per specification section 08 12 00. Updated in amendment.
- Q49. Could you provide additional information for the following?
- a. In drawing A-003, the Aluminum door frames calls for PSF & IPSF while in Specification Section 081200, Item 2.4 calls for Aluminum frames, please clarify which to is follow.



- b. In Specification Section 081200, Item 2.4.3 calls for exterior windows for be Kawneer 5525 Isoweb while in Section 085000, Item 2.2.1 to .7 calls for Kawneer Series 516 Isoport, please clarify which is to follow.
 - c. Please clarify the aluminum finishes for Aluminum doors & frames and Aluminum windows, Section 081200, Item 2.2.1 calls for Duranar paint finish while in Section 085000, Item 2.4.1.1 calls for Clear anodic finish & Item 2.5.1 calls for powder coating.
 - d. Please clarify if glazing to the hollow metal doors are all to be wired glass as per Sections 08800, Item 3.4.1 as some of the hollow doors, i.e. door type D & some of the door type F as per drawing A-003 does not require fire rating.
 - e. Please clarify which interior windows is to be provided with fire rated ceramic glass as stated Section 088000, Item 3.4.2.
- A49.
- a. All aluminum doors (101A, 101B, 106A, 106B, 115A, 115B, 119B, 132A, 132B) to have aluminum frames as per specification section 08 12 00. Updated in amendment.
 - a. Kawneer Series 516 Isoport. Updated in amendment.
 - b. Powder coating. Updated in amendment.
 - c. Door glazing updated in amendment.
 - d. Ceramic glass in doors 107 & 120 only. Door and window glazing systems updated in amendment.

B. SPECIFICATIONS AMENDMENTS

1.1 Refer to Section 04 22 00 – Concrete Unit Masonry

- 1.1.1 Replace 2.1.3 with “Concrete cap stone: solid, heavy weight, metric modular 150 mm, 140 deep x 90 high x190 wide, as manufactured by Expocrete. Colour: as selected by the Departmental Representative from manufacturer’s standard colours.”
- 1.1.2 Replace 2.1.4 with “Split Face Block Veneer: solid, heavy weight, metric modular 100 x 100 x 400 mm nominal, as manufactured by Expocrete. Colour: as selected by the Departmental Representative from manufacturer’s standard colours.”

1.2 Refer to Section 07 21 00 – Building Insulation

- 1.2.1 Replace 2.1.1.1 with: Location: roof, exterior walls, interior walls as indicated on drawings and miscellaneous locations where indicated on drawings and specified herein.
- 1.2.2 Delete 2.1.2.1: Location: Roof (Rigid insulation not to be installed under metal roofing).
- 1.2.3 Delete 3.4: Installation – Roof (all sub points .1, .2, .3, .4).

1.3 Refer to Section 07 27 00 – Air Barrier Vapour Retardants

- 1.3.1 Add 2.1.2: Membrane Air Barrier: self-adhering, water resistant air barrier membrane, minimum thickness 0.50 mm. Acceptable products: Bakor Blueskin VP160, Grace Perm-A-Barrier VPS, Sopraseal Stick VP.

1.4 Refer to Section 07 46 13 – Preformed Metal Siding

- 1.4.1 Replace 2.2.1 with: Exterior steel sheet cladding: factory preformed precoated metal.
 - 1.4.1.1 Acceptable products: VicWest Steel Inc., profile AD 300-R.
 - 1.4.1.2 Colour: as selected by the Departmental Representative from manufacturer’s standard colours.

1.5 Refer to Section 07 61 00 - Sheet Metal Roofing



- 1.5.1 Replace 1.3.3 with: Submit a design brief for the metal roofing system including fastenings and anchorages on the Shop Drawings.
- 1.5.2 Add 2.1.7: Ice and water shield: high temperature roof underlayment, rubberized asphalt membrane, minimum thickness 1 mm (40 mils). Acceptable products: Henry PE200HT, Grace Ice and Water Shield HT.
- 1.5.3 Add 3.1.7: Provide ice and water shield under sheet metal roofing installed in accordance with manufacturer's printed instructions. Lap joints 150 mm.
- 1.5.4 Delete 3.4 – Snow Guard System.
- 1.6 Refer to Section 09 13 00 – Suspended Ceilings**
- 1.6.1 Add 2.2.2: Acceptable Products: Fine Fissured Open Plan, #1757, by Armstrong. Radar High –CAC, High NRC Acoustic Panels by CGC.
- 1.6.2 Add 2.4: Suspended Metal Plank Ceiling System. Single skin metal plank ceiling. Prime painted 2.7 mm thick (12 gauge) non-perforated panels. Construction consists of 305 mm wide x 2438 mm long single layer metal planks supported by perimeter and T angles. Acceptable product: BarrierDek by Trussbilt.
- 1.7 Add Specification Section 09 30 13-Ceramic Tile, attached.**
- 1.8 Add Specification Section 09 65 16-Resilient Flooring, attached.**
- 1.9 Delete entire Section 09 70 00-Epoxy Flooring, Replace with attached Section 09 70 00-Epoxy Flooring.**
- 1.10 Refer to Section 21 05 01 – Common Work Results for Mechanical**
- 1.10.1 Add to 1.30.5.37 Plumbing Brass: Zurn.
- 1.10.2 Add to 1.30.5.38 Plumbing Fixtures: Zurn.
- 1.10.3 Add to 1.30.5.45 Sinks – Stainless Steel: Novanni AMI.
- 1.10.4 Add to 1.30.5.48 Tanks – Expansion: Calefactio (formerly HG Specialties).
- 1.10.5 Add to 1.30.5.56 Valves – Pressure Balanced Mixing: Zurn.
- 1.11 Refer to Section 22 11 16 – Domestic Water Piping**
- 1.11.1 Amend 2.1.1.2 to read “Buried or embedded: copper tube, soft annealed, type L: to ASTM B 88M or Rehau Municipex PEXa: to AWWA C904, CSA B137.5, ASTM F876, ASTM F2657, NSF/ANSI Standard 14 and 61. PEXa to installed with trace wire.”
- 1.12 Refer to Section 23 21 13.33 – Geothermal Heat Exchangers – Vertical, Closed Loop**
- 1.12.1 Delete 2.1.1.2. Warranty of the piping will be covered by Contractor’s warranty.
- 1.12.2 Delete 2.1.1.4. Field manufactured U-bends are acceptable.
- 1.12.3 Amend 2.4.1 to read the following: “U-bend pipe separators shall be used to position the U-bend pipes against the borehole wall directly across from one another. Position separators every 3 metres on the U-bend pipe.
- 1.12.4 Delete 3.1.6.2.
- 1.13 Refer to Section 33 36 00 – Utility Septic Tanks**



1.13.1 Amend 2.1.3 to read "Tank to be suitable for burial up to 2.13 meters below grade to top of tank."

1.14 Refer to Section 04 22 00 – Concrete Unit Masonry

1.14.1 Delete clause 3.4.2.

1.15 Refer to Section 07 61 00 – Sheet Metal Roofing

.1 Add 2.1.1.1: Acceptable products: Vicwest Tradition 100
Flynn Accu-Steel

Add 2.1.1.2: Colour as selected by the Departmental Representative from manufacturer's standard colours.

1.16 Refer to Section 08 12 00 – Aluminum Windows, Doors and Screens

Replace 2.2.1 with: All exposed aluminum surfaces, shall be finished with factory applied Permacoat Powder Coating in accordance with Architectural Aluminum Manufacturers Association (AAMA) 2604. Colour: as selected by the Departmental Representative from manufacturer's standard colours.

Replace 2.4.3 with: Frames for exterior and interior windows: Kawneer fixed window framing, refer to specification section 08 50 00.

1.17 Refer to Section 08 36 13 – Sectional Overhead Doors

.1 2.2.1.1: Add the following overhead doors to the list of acceptable products:

Model 3212 (20 ga) as manufactured by Reimer Overhead doors.
TX380 Insulated Sectional Overhead Door by Upwardor.

.2 2.4.1.1: Add the following electric operators to the list of acceptable products
Liftmaster BMT5011, ½ HP

1.18 Refer to Section 08 50 00 – Windows

1.18.1 Delete Clause 2.4. (Aluminum finishes to have Powder Coating)

Replace 2.5 with:

2.5 Powder coating

.1 Powder coating: All exposed aluminum surfaces, shall be finished with factory applied Permacoat Powder Coating in accordance with AAMA 2604. Colour: as selected by the Departmental Representative from manufacturer's standard colours.

1.19 Refer to Section 08 71 00 – Finish Hardware.

Clause 3.2 Schedule:

Add Hardware Group 12 – doors 106A and 106B (for handicapped operator)

Hardware/Quantity	Manufacturer's Number	Finish
2 Hinges	5BB1 114 x 114 NRP	630
1 Electric Hinge	5BB1 114 x 114 TW8	630
1 Elec Panic Hardware	RX-98-NL-990	626
1 Rim Cylinder	20-021	626
1 Electric Strike	6111 FSE DS	630



1 Surf. Auto Operator	9542 MS	ANCLR
1 Weather Ring	8310-802	689
1 Rocker Switch	8310-806R	689
2 Actuator, Wall Mt.	8310-852T	630
1 Kick Plate	8400 – 250 x 860	630
1 Weatherstrip	W-50	628
1 Door Sweep	W-24S	628
1 Threshold	CT-45	627

1.20 Refer to Section 08 80 00 – Glazing

Add 2.4.3 Outer pane of 6 mm thick clear tempered glass, 12 mm argon space, inner pane of 6 mm thick clear tempered glass, double glazed unit 24 mm total thickness.

Add 2.1.5: Safety glass: tempered, 6 mm thick, PPG Herculite, or approved equal.

Delete Section 3.4 Glazing Systems, Replace with:

3.4 Glazing Systems

- .1 Interior steel hollow metal doors (Type H): Single clear wired glass as per Clause 2.1.2.
- .2 Interior steel hollow metal doors (Type F – Rated, doors 107 & 120): Ceramic glass as per Clause 2.1.2.
- .3 Interior steel hollow metal doors (Type D, Type F - not rated): Safety glass as per Clause 2.1.5.
- .4 Interior aluminum doors: Safety glass as per Clause 2.1.5.
- .5 Interior windows: Window glazing as per Clause 2.1.1.
- .6 Exterior doors (Type I): sealed double glazing as per Clause 2.1.4.2.
- .7 Exterior doors: Sealed double glazing as per Clause 2.1.4.3.
- .8 Exterior windows: sealed double glazing as per Clause 2.1.4.1.

1.21 Add Specification Section 09 11 10 – Metal Stud System, attached.

1.22 Refer to Section 09 13 00 – Suspended Ceilings

Clause 2.1.4: remove reference to “clear anodized”.

1.23 Refer to Section 09 91 00 – Painting

Clause 3.9.2 Indoor Finishes. Add the following painting specification for Gypsum Board.

Surface	Protective Coating System	Minimum D.F. Thickness
Gypsum Board	<p>Surface Preparation: skim coat joint compound over entire surface of fiberglass mat gypsum panels to reduce highlighting.</p> <p>1st Coat: Vinyl acrylic sealer, CAN/CGSB-1.119</p> <p>Acceptable products:</p> <ul style="list-style-type: none"> - General Paint 51-087 Superseal - Glidden 36600 Ultra - Porter Pittsburgh 426 	1.2 mils



Surface	Protective Coating System	Minimum D.F. Thickness
	2 nd Coat: Waterborne epoxy Acceptable products: - PPG Aquapon WB - DevoeTru-Glaze-WB 4408 - International Intergard 735	2 - 3 mils
	3 rd Coat: Waterborne epoxy Acceptable products: - PPG Aquapon WB - DevoeTru-Glaze-WB 4408 - International Intergard 735	2 - 3 mils

1.24 Add Specification Section 10 16 00 - Metal Toilet Partitions, attached.

C. DRAWING AMENDMENTS

1.1 Refer to Drawings A-001 & A-401

1.1.1 Replace Roof Construction R1 with:

- Bold Rib Sheet Metal Roofing
- Eave Protection / Underlayment over entire roof
- 13 Plywood Sheathing c/w H clips / Blocking as required by structural
- Trusses as per Structural
- R40 Mineral Wool Insulation
- Vapour Barrier Membrane
- 13 Plywood

1.2 Refer to Drawings A-001 & A-103

1.2.1 Ceiling type C4 metal plank ceiling system grid to be 305 x 2440.

1.3 Refer to Drawing A-103

1.3.1 Detail 1 – Roof Plan: Replace note for ridge vent with: Ridge Vent, See Detail 11 / A-404.

1.4 Refer to Drawings A-401

1.4.1 Wall sections 1 and 2: The fascia board and gutters to be installed plumb as shown on drawing A-201 & A-301.

1.4.2 Wall sections 1 and 2: Delete expansion track at top of exterior walls.

1.5 Refer to Drawing M-404, Mechanical Schedules

1.5.1 Amend tank model in Septic Holding Tank Schedule to: G-2500-H7-6

1.5.2 Amend model in Unit Heater Schedule: OASU05038.

1.6 Refer to Drawing A-001

Add following note to wall construction schedule:

Note: For Wall Types W2, P8 and P9 mesh to be high strength 3/4 inch diamond pattern x 9 Gauge steel expanded metal.



1.7 Refer to Drawing A-003

Change frame material for all aluminum doors (101A, 101B, 106A, 106B, 115A, 115B, 119B, 132A, 132B) to Alum.

Change door # 122 to door type H.

1.8 Refer to Drawings A-101

Arrow head for note "150 X 3000 Concrete Curb. Typ." should be pointing to precast concrete bumper.

1.9 Refer to Drawings A-401

See sketch S-A01 for updated detail at wall / roof connection.

Wall sections 1 and 2:

- The fascia board and gutters to be installed plumb.
- Delete expansion track at top of exterior walls.
- At soffit remove prefinished plywood soffit, blocking as required and continuous vents, replace with Vented Smooth HardieSoffit Panels by JamesHardie.

1.10 Refer to Drawings A-404

Detail 15: Remove reference to "150x600 concrete parking curb". Sidewalk to have 300 mm thickened edge as per structural drawings.

All other terms and conditions remain the same.