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Vancouver
British Columbia
V6Z 2V8
Bid Fax: (604) 775-9381

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Public Works and Government Services Canada -
Pacific Region
800 Burrard Street, 12th floor
800, rue Burrard, 12e étage
Vancouver
British C
V6Z 2V8

Title - Sujet New 50 Man Living Units - Ferndale	
Solicitation No. - N° de l'invitation EZ899-131401/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client	Date 2012-10-30
GETS Reference No. - N° de référence de SEAG PW-\$PWY-005-6794	
File No. - N° de dossier PWY-2-35164 (005)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-11-09	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Pillay, Sal (PWY)	Buyer Id - Id de l'acheteur pwy005
Telephone No. - N° de téléphone (604) 775-9386 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CSC - Ferndale Institution - Mission, BC	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

EZ899-131401/A

Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.

003

File No. - N° du dossier

PWY-2-35164

Buyer ID - Id de l'acheteur

pw005

CCC No./N° CCC - FMS No/ N° VME

Refer to the attached Addendum No. 2 issued 30th October 2012.

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

SPECIFICATIONS

.1 05 50 00 - Metal Fabrications

Clause: 2.7 Exterior Metal Cage at Gas Shut-off and Regulator

- (1) **Clarification:** Expanded mesh at bottom of cage may be deleted . Configuration of angle frame is determined by size of cage. Space angle frames no less than 300 mm apart. Location of access doors determined by access to equipment for servicing. Bolt cage frame to concrete pad with 10 mm ϕ stainless steel expansion bolts or studs at 300 mm oc. Fabricate perimeter base angle with leg outward to facilitate fastening cage to concrete. Cage corner frames may be welded in lieu of bolting.

.2 Section 07 46 13 - Metal Roof and Wall Panel Assembly

Paragraph 1.3.3.1:

- (2) **Revise:** to read as follows:
- .1 Snap-in friction fit or interlocking batten ribbed panel system, minimum 38 mm high, rib spacing 200 - 450 mm oc with concealed fastening clips screwed directly to plywood or strapping.

Paragraph 1.3.3.5.2:

- (3) **Revise:** to read as follows:
- .2 Vic-West Marquis 450 Roofing profile.

Paragraph 1.3.4.1:

- (4) **Clarification:** Snow retention system may be fastened to ribs or panel flats as recommended by the roof panel manufacturer.

Paragraph 1.3.6.1:

- (5) **Revise:** perforation configuration to 1.5 mm ϕ by 2.4 mm spacing with approx. 40% open air.

Paragraph 2.4.1.1:

- (6) **Revise:** rib spacing to read "200 to 450 mm".

.3 08 11 17 - Aluminum Doors, Frames and Screens

Paragraph 2.1.1

- (7) **Delete:** subparagraphs .1, .2 and .3.
- (8) **Add:** new subparagraphs .1 and .2:
- .1 Finish coatings to conform to Aluminum Association DAF-45 and AAMA 611 for anodized architectural aluminum.
- .2 Exposed interior and exterior aluminum surfaces: medium bronze anodized aluminum AA-M12C22A44, Architectural Class I (0.7 mils minimum).
-

.4 08 44 13 - Glazed Aluminum Curtain Walls

Paragraph 2.4.6 Finishes:

(9) **Delete:** subparagraphs .1, .2 & .3.

(10) **Add:** new subparagraphs .1 and .2:

.1 Finish coatings to conform to Aluminum Association DAF-45 and AAMA 611 for anodized architectural aluminum.

.2 Exposed interior and exterior aluminum surfaces: medium bronze anodized aluminum AA-M12C22A44, Architectural Class I (0.7 mils minimum).

.5 08 71 10 - Door Hardware

Paragraph 2.2.12:

(11) **Revise:** paragraph to read as follows:

.12 Fire/Life Safety closer/holder: to ANSI/BHMA-A156.15 and NFPA 101, adjustable hold open closer, single point between 85° and 110°, controlled by solenoid in track when current is interrupted by Fire Alarm control relay module to release door. Functions as a full rack and pinion closer, when hold-open not engaged or current is interrupted. Unit with non-sized cylinders and adjustable hydraulic back check. Mount closer on pull side of door. Transformer 24V AC input, concealed wiring, momentary on/off switch board assembly for testing door release and over-voltage protection and field replaceable. Fire Alarm specified in Section 28 31 01.

Clause 2.4 Door Schedule:

Item 16; doors 102 & 103

Item 44; doors 202 & 203

(12) **Add:** Door stop to halt door at hold open point. Ives 434 Floor mounted stop.

.6 Door and Frame Schedule (Following Section 08 71 10)

Page 1 - Door X116.

(13) **Revise:** door number to read **X116A** (Exterior door)

Page 4 - General and Notes

(14) **Delete:** reference to lamacoid labels for all doors.

Various pages:

(15) **Revise:** Door Type 4 in DOOR TYPE column to Door Type **7** for doors; 006, 009, 011, 016, 019, 125 & 225.

(16) **Delete:** safety glass in GLASS column for doors; 011, 125 & 225.

(17) **Add:** Safety glass in GLASS column for doors; 017, 119 & 120.

.7 08 50 50 - Vinyl Windows

Paragraph 1.4.2.2:

(18) **Delete:** this paragraph entirely.

Paragraph 2.1.1.5.5

- (19) **Clarification:** "Tamper proof" means insect screen and frame unit is fastened to window frame with security screws or other approved method to discourage unauthorised removal of screens from building interior.

Paragraph 2.5.2:

- (20) **Revise:** paragraph .2 to read:
.2 Casement vent: equip with rotary type operator and arms with side latch/lock to manufacturer's standard.

.8 08 80 50 - Glazing

Paragraph 2.1.4.3:

- (21) **Delete:** sub-paragraphs .1 to .9.
(22) **Add:** new sub-paragraphs .1 to .6.
.1 Inter-cavity space thickness: 12 mm between inner and outer lights with low conductivity spacers.
.2 Inert gas fill: argon.
.3 U Factor (argon gas) Winter: 1.8 W/m² °K (0.29); Summer: 1.6 W/m² °K, (0.28).
.4 Visible light transmission: 68%.
.5 Visible light reflectance out: 11%.
.6 Visible light reflectance in: 12%.

.9 12 21 16 - Window Blinds

Paragraph 3.1.1:

- (23) **Revise:** paragraph to read as follows:
.1 Install blinds surface mounted to underside of lintel at window head at exterior windows, in accordance with manufacturer's instructions. Blinds are not required for windows on Basement floor , in Stairhalls or in entrances.

.10 12 22 00 - Window Curtains

Paragraph 2.1.2:

- (24) **Clarification:** Drapery to extend 25 mm below window sill at all bedroom and Living room windows of Residential Pods.

.11 31 23 10 - Excavation Trenching and Backfilling

Paragraph 1.2.1:

- (25) **Clarification:** Excavation, Trenching and Backfilling for sidewalks, stairs and equipment pads outside the building footprint are included in this section.
-

Clause 3.2 Shoring and Bracing

(26) **Add:** new paragraphs .2 and .3:

- .2 Maintain sides and slopes of excavations in safe condition by appropriate methods and in accordance with Health and Safety Requirements.
- .3 Provide engineered drawings showing special shoring and slope ratio required at foundation excavation that occurs within 4 meters of paved road to protect workers and prevent disturbance of roadway underlying fill. Submit drawings to Departmental representative for review of shoring design. Prohibit vehicular traffic on ring road during excavation work until completion of backfilling of building foundation wall to subgrade level, except as approved by Departmental Representative. Pay costs for shoring and engineering.

Paragraphs 3.5.4 - Under Concrete Sidewalk slabs:

(27) **Clarification:** the 200 mm granular fill under new sidewalks is a minimum depth and will increase depending on the sidewalk's proximity to the new building due to the excavation required between the building and existing road. The backfill around the building is type 2 fill as specified in paragraph 3.5.2 and all fills under sidewalks are also Type 2 all compacted to 98% Density.

.12 33 46 16 - Subdrainage Piping

Paragraph 1.2.1

(28) **Revise:** section reference to "31 23 10".

DRAWINGS

ARCHITECTURAL

.1 Drawing A-200 - Basement Floor Plan

Note: Exterior Windows

(29) **Delete:** reference to blinds and curtains. Blinds and curtains are not required on Basement floor windows.

Washroom 020

(30) **Revise:** Washroom room number to 022 and door number to 022. See drawing A-400

.2 Drawing A-201 - Ground Floor Plan

Note: Exterior Window (below floor plan)

(31) **Clarification:** provide curtains for Bedroom and Living Room windows. Curtains not required for Laundry Room and Corridor windows in Residential Pods.

(32) **Clarification:** include blinds for all exterior windows in Program room, Canteen and Meeting rooms.

.3 Drawing A-202 - Second Floor Plan

Note: (R/H corner of sheet)

(33) **Clarification:** provide curtains for Bedroom and Living Room windows. Curtains not required for Laundry Room and Corridor windows in Residential Pods.

(34) **Clarification:** include blinds for all exterior windows in offices and Meeting room.

.4 Drawing A-300 - South & West Elevations

South Elevation

- (35) **Add:** window type W-02 to second floor Boardroom to left of Gridline F as shown on Second Floor Plan.

.5 Drawing A-401 - Sector Plan Ground Floor Core

See Stair No2 and No3

- (36) **Delete:** note: "Magnet Door Control" at Doors 102 & 103.

Canteen Room 116A

- (37) **Revise:** exterior door number to read: **X116A**.

.6 Drawing A-701 - Door, Frame, Window & Interior Screen Schedules

- (38) **Clarification:** refer to drawings A-541, A-704, A-705 and A-706 for PS frame details.

.7 Drawing A-706 - Details

Door Sill & Head Detail

- (39) **Clarification:** Door sill and head detail occurs at exterior door X018 on Basement floors.

- (40) **Delete:** Clip Angle at top of concrete wall below threshold and associated note.

Note at bottom left of detail:

- (41) **Delete:** first five lines from "Corrugated metal" down to "with taped joints"

- (42) **Add:** New line: " 75 mm thick rigid insulation board complete with integral 10 mm concrete topping.

Note at upper right of detail:

- (43) **Delete:** line two and three from "6 mm Bent" down to galvanized steel".

- (44) **Add:** new note under first line:

" 4.8 mm hot dipped galvanized steel plate, with 25 mm bent leading edge, over grout levelling bed, fastened to concrete with 6 mm ϕ expansion anchors at 400 oc. in two staggered rows 150 mm apart. Fasteners with countersunk heads. Fasten aluminum threshold to steel plate.

ELECTRICAL

.8 New Drawings .

- (45) **Add:** new drawings attached to this addendum:

- .1 ESK-E001-01 Part Drawing E001
- .2 ESK-E100-01 Part Drawing E100.

.9 Drawing E001 - Existing Single Line Diagram .

- (46) **Clarification:** Fifty Man Living Unit electrical service shall be connected to 'EMERG. DISTRIBUTION PANEL' (347/600V) and not 'EM. DISTRIBUTION PANEL' (120/208V) as shown. Refer to ESK-E001-01 for details
-

.10 Drawing E-004 - System Riser Diagram

Detail A, General Note.

- (47) **Add:** new note.5: "Fibre to be pulled via new Manholes 'MH C4', 'MH C3', 'MH C2', 'MH C1' and the existing communications manhole located on the east side of the Administration Building. Existing Administration CATV cable to be disconnected, removed, re-pulled with the fire alarm fibre and re-terminated. Coordinate service outage with the Institution."

Detail B, General Note 2

- (48) **Revise:** to read, "Fibre to be pulled via new Manholes 'MH C4', 'MH C3', 'MH C2', 'MH C1' and the existing communications manhole located on the east side of the Administration Building. Existing Administration CATV cable to be disconnected, removed, re-pulled with the telecommunications fibre and re-terminated. Coordinate service outage with the Institution."

Detail C, General Note 2

- (49) **Revise:** to read, "Fibre to be pulled via new Manholes 'MH C4', 'MH C3', 'MH C2', 'MH C1' and the existing communications manhole located on the east side of the Administration Building. Existing Administration CATV cable to be disconnected, removed, re-pulled with the CATV cable and re-terminated. Coordinate service outage with the Institution."

.11 Drawing E-100 - Existing Site Plan and Details

- (50) **Add:** One communication manhole east of 'Residence A21'. Refer to ESK-E100-01 for manhole location and revised manhole descriptions.
- (51) **Revise:** Refer to ESK-E100-01 for revised manhole layouts and duct routing.
- (52) **Revise:** 'Detail B, Note 1' to read, "Unless indicated otherwise, all outdoor duct runs shall be concrete encased and installed at 600mm below grade."

END OF ADDENDUM No 1

Bidding Questions and Answers

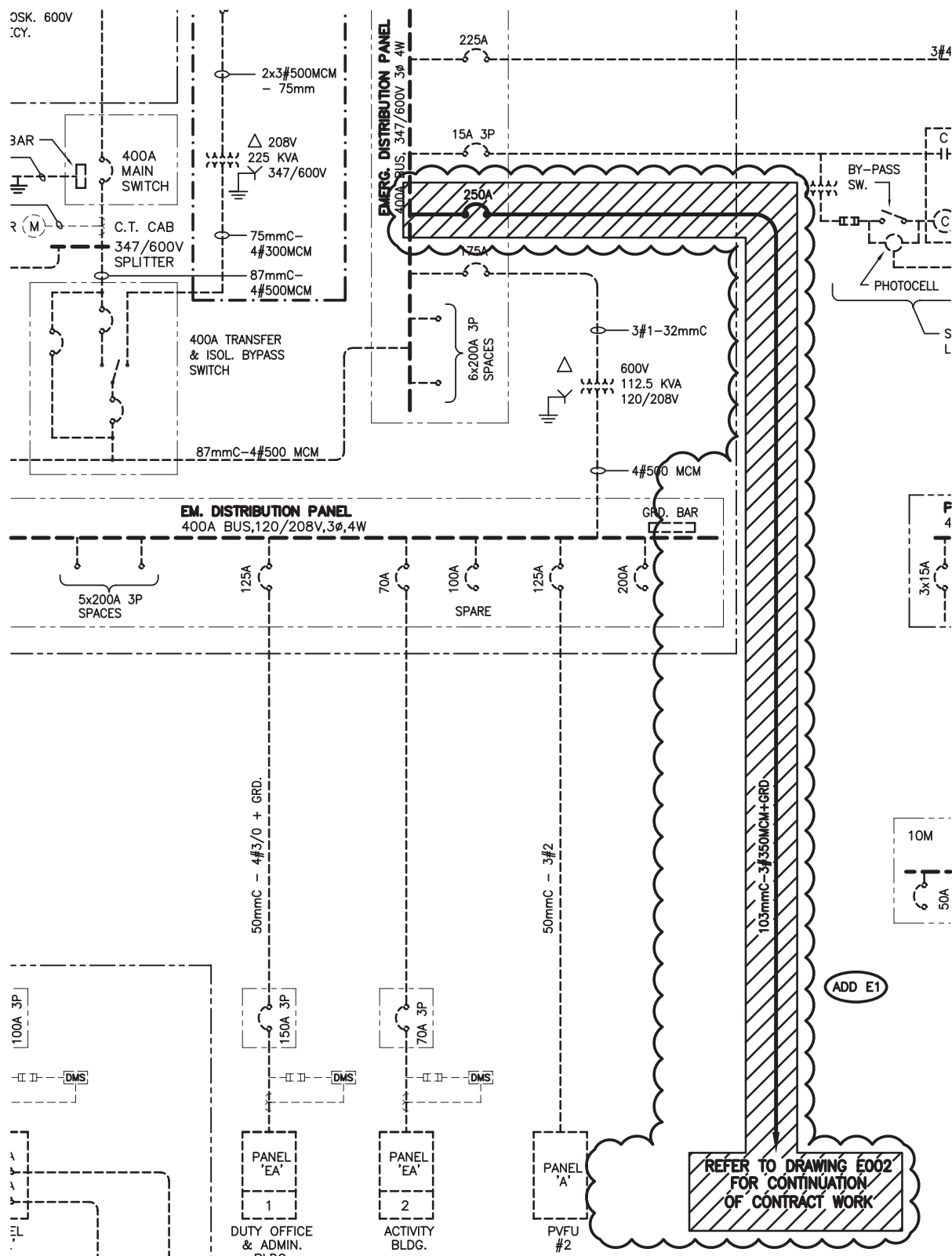
The following questions received from bidders are listed for general reference only. Answers provided by PWGSC are intended to direct the bidder to a specific part of the Bid documents area, to answer their questions, or an Addendum Item reference number will be noted to direct the Bidder where a change to the Bid document is necessary to answer the question.

- .1 Question: Refer to detail #/A-706. Does this detail occur at all exterior door locations? Please provide the size of angle required.
Answer: See Addendum Item numbers (38) to (44) inclusive for changes to this detail.
- .2 Question: 2.7 in section 05 50 00 of the specifications call for an exterior metal cage at gas shut-off and regulator. The location and details aren't shown in the structural and architectural drawings; please provide steel details for the exterior metal cage.
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- Answer: See Addendum Item no. (1) . The cage location is shown on P-100 between North and East wing. The cage detail is described in 2.7 in section 05 50 00. The cage size is determined by the equipment being contained.
- .3 Question: It notes under section 08 50 50 - 1.4.2.2 "Anodized finish." I am assuming this is to match the anodized aluminum curtain wall portions of the project. Can you please confirm this "anodized finish" is to be on the vinyl windows and whether it is to be on the exterior only, or both the exterior and interior?
- Answer: See addendum Item (18).
- .4 Question: There are 3 metal roof panels specified in specification 07 46 13 clause 1.3.3.5, and of these I know that the Rib-Roof by mercury metals and the Nordic Clip by Westform are discontinued profiles. I have not checked on the KlipRib system, but this is from the United States. Can we try and find out if alternates can be used on this project. Can you ask the architect if a standard snaprib profile can be used, like for example the Prolok system from Westform as this is readily available and can be used in this system on a solid substrate.
- Answer: See Addendum Items (2), (3) & (6) for clarification and added alternate product. Note: Klip-Rib is available out of Seattle area from www.ASCprofiles.com. Nordic Clip is only available on a limited basis for large orders. Rib Roof has gone off shore.
- .5 Question: In sheet A-701 the reference details for the frame types as referring to A703 does not exist. Could you please provide the details?
- Answer: See addendum Item (38).
- .6 Question: The geotechnical report suggests removal of the existing fill materials within all structural areas including concrete sidewalks. According to the drawings there are concrete sidewalks to tie-into the existing asphalt along ring road. The closest test holes to this area indicate a depth of 1.37m – 2.74m of existing fill materials . If we are to remove these fill materials beneath the sidewalks it's likely the entire ring road will be lost for sloping purposes unless the ring road is not underlain with fill materials. Can this be confirmed somehow? Or, can excavation requirements within the ring road be confirmed/clarified?
- Answer: Please note paragraph 1.4.2 in Section 31 23 10. See addendum Items (26) & (27)
- .7 Question: Door numbers required per Door Schedule, but no specs.
- Answer: See addendum Item (14)
- .8 Question: Please clarify the aluminum finish. Specs say "integral colour hardcoat anodize" colour to be determined by representative.
- Answer: See Addendum Items (7), (8), (9) & (10).
- .9 Question: Will you require the Window Shop Drawings to be "stamped and signed" by a professional Engineer and also will you require the related field reviews and Schedules C-B, B-1, B-2?
- Answer: Not for Vinyl Windows. Bid as specified for Aluminum curtain Wall.
- .10 Question: Pages A443 and A444 state that the cabinet kicks are to be made with 19mm plywood and covered with floor tiles. I am not sure what is required there as there is no floor tile going anywhere in the building and the kitchens are receiving sheet vinyl.
- Answer: The cabinets for residences and canteen supplied by Departmental Representative are supplied with finished kicks.
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- .11 Question: Section 08 50 50 Vinyl Windows – 2.5 - Water resistance rating is noted as B7, yet they are requiring cam push out operation. We require that Roto crack out casement and awnings windows be used to achieve a B7 rating. Also the casement window are wide and would require roto crack out hardware in order to prevent deflection of the sash.
Answer: See Addendum Item s (20).
- .12 Question: Section 08 80 50 Glazing – 2.1.4.2 – The U factor specified is not achievable with a double glazed single Low E coating, this is a contradiction in their specifications. To achieve a U factor of 1.36 either triple glazing is require or a 4 surface low E coating is required. Even with the 4 surface Low E coating the specified U factor is tight. This will affect pricing. The U factor specified exceeds the BC Energy Act and code requirements. A minimum U factor for a building in its region would be 1.8.
Answer: See Addendum Items (21) & (22).
- .13 Question: If you could also forward a RFI; There is no manufacturer, make or model of handicap opener specified. Given the security concerns with these doors, we will be quoting on our Horton 4100 heavy duty model for best closing power and positive latching. Unless specified as heavy duty, we will also include cost option for our regular duty 7100 to compare with other distributors.
Answer: See Addendum Item (11).
- .14 Question: The firerated glass that is requested in stairwells 2 and 3 (doors 102, 103, 202, 203) calls for 60 min. fire resisting glazing, the frame shows glass being 108" tall. The tallest we can get is 96". The frames would have to have a horizontal mullion at 85" on center, unless you have another idea. This glazing is also either 19 or 22 mm thick. Will the doors that you have spec'd be able to accommodate the stops, as well as the thickness of the glass?
Answer: Fire rated glass deleted. See Addendum No 1, Item (19).
- .15 Question: What type of duct do you want for the power and communication? DB2 or RPVC?
Answer: PVC Electrical Duct Type DB-2 .
- .16 Question: How many ducts exit the electrical room at the Textiles Building? 16 x 103mm?
Answer: 16. Refer to Detail 2, Drawing E002 for conduit stub-up count.
- .17 Question: How many ducts between Manholes 'MH P3' and 'MH P4'?
Answer: 8 x 103mm ducts.
- .18 Question: How many ducts between Manholes 'MH P4' and 'MH P5' 8 x 103mm or 4 x 103mm?
Answer: 4 x 103mm ducts.
- .19 Question: How many ducts between Manholes 'MH P5' and 'MH P6'?
Answer: 4 x 103mm ducts.
- .20 Question: What is the duct layout for 16 x 103mm? 2 rows of 8?
Answer: Duct layout as follows: 16 x 103mm ducts laid out in 4 rows of 4, 12 x 103mm ducts laid out in 3 rows of 4, 8 x 103mm ducts laid out in 2 rows of 4, 4 x 103mm ducts laid out as 1 row of 4.

END OF Q & A



GENIVAR

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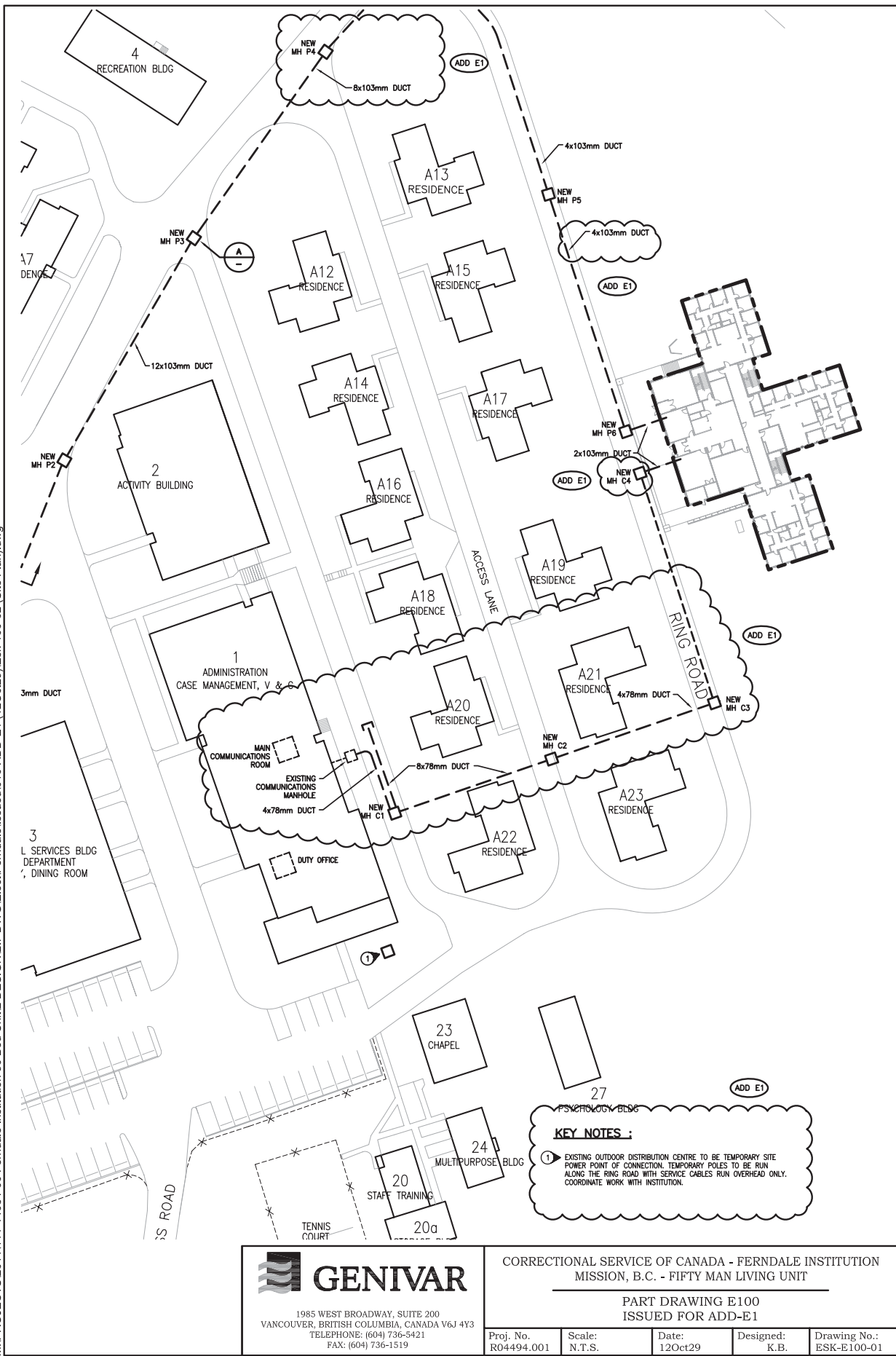
CORRECTIONAL SERVICE OF CANADA - FERNDALE INSTITUTION
MISSION, B.C. - FIFTY MAN LIVING UNIT

PART DRAWING E001
ISSUED FOR ADD-E1

Proj. No. R04494.001	Scale: N.T.S.	Date: 12Oct29	Designed: K.B.	Drawing No.: ESK-E001-01
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Unit 29, 2012 - 9-9-2011

M:\PROJECTS\2011\11-14084-00 Ferndale Institution 50 Bed Unit\2 DESIGN\2.7 DWG\Elect\Ferndale\Issued\010-ADD-E1 (12Oct29)\Esk-100-02 (Site Plan).dwg



KEY NOTES :

① EXISTING OUTDOOR DISTRIBUTION CENTRE TO BE TEMPORARY SITE POWER POINT OF CONNECTION. TEMPORARY POLES TO BE RUN ALONG THE RING ROAD WITH SERVICE CABLES RUN OVERHEAD ONLY. COORDINATE WORK WITH INSTITUTION.



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CORRECTIONAL SERVICE OF CANADA - FERNDALE INSTITUTION
MISSION, B.C. - FIFTY MAN LIVING UNIT

PART DRAWING E100
ISSUED FOR ADD-E1

Proj. No. R04494.001	Scale: N.T.S.	Date: 12Oct29	Designed: K.B.	Drawing No.: ESK-E100-01
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