

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
800 Burrard Street, 12th floor
800, rue Burrard, 12e étage
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 96 Bed Living Unit - PIRTC	
Solicitation No. - N° de l'invitation EZ899-123081/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client	Date 2012-04-24
GETS Reference No. - N° de référence de SEAG PW-\$PWY-005-6657	
File No. - N° de dossier PWY-1-34503 (005)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-05-08	
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 - Pacific Institution, Abbotsford, B.C.	

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

NOTICE TO CONTRACTORS

Abbotsford, BC
Pacific Institution Regional Treatment Centre
New 96 Bed Living Unit

EXTENSION OF TIME FOR TENDERS:

Notice is hereby given that the time for the reception of tenders previously due at 2:00 PM local time - **02 May 2012** is extended to 2:00 PM local time - **08 May 2012**.

Bid and Acceptance Form (BA)

Replace page 12 of the Bid and Acceptance Form with the Revised Dated 24th April 2012.

(Revised to increase BSCS budget to \$683,000.00)

Insurance is as per the Insurance Conditions GC10, Clause R2900D (2008-05-12) and Clause R2910D (2008-12-12) of the Contract Documents.

(PWGSC weblink for your reference:: <http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>)

As per clause SI11 of the Special Instructions to Bidders, contractors are to include **all costs associated** with carrying a DEC and a BSCS sub-contractor in their tendered price. They are to base these costs on the estimated budgets provided on the Bid and Acceptance Form (BA) and the Specification Section 01 11 00.

Contractors are not to include any actual pricing for the DEC work or the BSCS work in their tendered price.

The compliant low bidder will have their Offer amount under BA03 of the Bid and Acceptance Form adjusted prior to award of any contract to include the sub contract work for the DEC and the BSCS.

Refer to the attached addendum #1 issued 24th April 2012.

Solicitation No. - N° de l'invitation

EZ899-123081/A

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

Amd. No. - N° de la modif.

001

File No. - N° du dossier

PWY-1-34503

Buyer ID - Id de l'acheteur

pw005

CCC No./N° CCC - FMS No/ N° VME

REVISED: 24th April 2012

BID AND ACCEPTANCE FORM (BA)

BA01 IDENTIFICATION

Abbotsford, BC - Pacific Institution Regional Treatment Centre
New 96 Bed Living Unit

Requisition No. EZ899-123081/A

Project No. R.044847.001

BA02 BUSINESS NAME AND ADDRESS OF BIDDER

Name: _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

BA03 THE OFFER

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the Total Bid Amount of

\$ _____ excluding GST/HST.
(amount in numbers)

The prospective bidders are advised not to include any actual pricing for the supply and installation of the DEC work or the BSCS work in their total tendered amount under BA03 The Offer; however, bidders are to include the costs for the coordination and / or any other related administrative or supervisory cost associated with carrying a DEC or a BSCS sub-contractor in their tendered price.

Estimated budget of the DEC and the BSCS are as follows:

DEC	\$2,450,000.00	BSCS	\$ 683,000.00
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The contract amount for the successful general contractor under BA03 Offer will be adjusted to include the actual amount of the DEC portion of the work and the BSCS portion of the work at time of award.

BA04 BID VALIDITY PERIOD

The bid shall not be withdrawn for a period of **30** days following the date of solicitation closing.

BA05 ACCEPTANCE AND CONTRACT

Upon acceptance of the Contractor's offer by Canada, a binding Contract shall be formed between Canada and the Contractor. The documents forming the Contract shall be the contract documents identified in Contract Documents (CD).

BA06 CONSTRUCTION TIME

The Contractor shall perform and complete the Work within **Sixty Eight (68)** weeks from the date of notification of acceptance of the offer.

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

DIVISION 1 TO 11 SPECIFICATIONS

SECTION 03 30 00 CAST IN PLACE CONCRETE

3.12 QUALITY CONTROL

1.0 3.12.2 Revise the clause as follows:

1.1 Departmental Representative will pay for costs of tests.

SECTION 03 45 00 ARCHITECTURAL PRECAST CONCRETE

3.2 ERECTION

2.0 3.2.2.1 Revise the clause as follows:

2.1 Horizontal Joint dimension – nominal 12mm, maximum variation plus or minus 5mm.

2.2 Vertical Joint dimension – nominal 15mm, maximum variation plus or minus 3mm.

3.0 3.2.2.4 Revise the clause as follows:

3.1 Bed units in mortar to Masonry Veneer below in accordance with section 04 05 12. Point the horizontal joints with mortar, rake out joints 10 mm to receive sealant. Sealant to be tooled flush with masonry veneer below.

4.0 3.2.5 Add the following sentence:

4.1 In vertical joints install rod and seal.

5.0 Re number the following sentences

5.1 3.2.6 Fasten precast panels in place as indicated on reviewed shop drawings.

5.2 3.2.7 Secure bolts with lock washers mack-weld nut to bolt.

5.3 3.2.8 Uniformly tighten bolted connections with torque indicated.

5.4 3.2.9 Set units dry, without mortar, attaining specified joint dimension with plastic shims.

5.5 3.2.10 Clean field welds with wire brush and touch-up .

5.6 3.2.11 Remove shims and spacers from joints of non-load bearing panels after fastening but before sealant is applied.

SECTION 07 92 00 JOINT SEALING

2.2 SEALANT MATERIAL DESIGNATIONS

1.0 Add the following:

1.1 2.2.1 Multicomponent Urethanes

- .1 Polyurethane sealant : can/cgsb-19.24-M90, Class B, Type II, astm c920, type M Grade NS, Class 50, multi-component, capable of continuous water immersion, non-sagging, colour as selected by departmental representative.
- .2 Applicable locations: Architectural Precast

SECTION 08 50 00 ALUMINUM DOORS AND WINDOWS

1.5 DESIGN REQUIREMENTS

- 1.0 Revise 1.5.5 as follows:

Water Tightness:

- .1 To achieve a rating of B7 according to CAN/CSA A 440, provide aluminum framed systems that do not show leakage at a test pressure of 500 Pa (10.4 psf) when tested in accordance with ASTM E1105 by using AAMA 502-90 voluntary specification for Field Testing of windows Test Method B. Refer to Field Testing in Part 3 of this specification section.
- .2 Water tightness requirements for operable doors and operable windows B4.

- 2.0 Revise 2.2.2.2 as follows:

Water tightness: B7. Operable Vent:B4

- 3.0 Revise 2.4 ALUMINUM FINISHES as follows:

Finish to aluminum components: Clear Anodized.

SECTION 10 99 00 MISCELLANEOUS MANUFACTURED SPECIALTIES

SCHEDULE OF SPECIALTIES

- 1.0 Revise 1.2.2.1 as follows:

Dryers shall be supplied with steel plates as detailed on section 11/A406

SECTION 11 19 00 DETENTION METAL DOORS AND FRAMES

1.2 COORDINATION

- 1.0 1.4.4.2 Revise the sentence as follows:

The DEC will be responsible for the work described on the drawings and in these specifications:

1. 08 42 29 Automatic Entrances
 2. 11 19 00 Detention Metal Doors and Frames
 3. 11 19 10 Commercial Metal Doors and Frames
 4. 11 19 20 Detention Hardware
 5. 11 19 30 Wood Doors
 6. 11 19 50 Detention Furniture
 7. 11 19 60 Detention Fabrications
 8. 11 19 70 Steel Block (Supply only)
-

SECTION 11 19 10 COMMERCIAL DOORS AND FRAMES

1.2 COORDINATION

1.0 1.2.1 Revise the sentence as follows:

It is required that a single Detention Equipment Contractor be responsible for and submit a combined bid for Sections 08 42 29, 11 19 00 , 11 19 10 , 11 19 20, 11 19 30 ,11 19 50, 11 19 60,11 19 70.

SECTION 11 19 20 DETENTION HARDWARE

1.2 COORDINATION

1.0 1.2.1 Revise the sentence as follows:

It is required that a single Detention Equipment Contractor be responsible for and submit a combined bid for Sections 08 42 29, 11 19 00 , 11 19 10 , 11 19 20, 11 19 30 ,11 19 50, 11 19 60,11 19 70.

3.7 DETENTION HARDWARE GROUPS

2.0 GROUP S-6

Delete the following:

*Coordinate operation of auto-operator with Electro-Mechanical Lock and wall mounted release device to ensure proper sequence of operation between lock, auto operator and door control system.

3.0 GROUP S-4

Delete the following:

E1002B and E1002C these are architectural wood work doors.

Add the following:

2	Best Cylinders	Cormax High Security
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4.0 GROUP S-6

Revise the following from:

1	Best Cylinder	1E-72 x Removable Core
---	---------------	------------------------

To:

1	Best Cylinder	1E-74 x Removable Core
---	---------------	------------------------

5.0 GROUP IH-2

Delete the following:

Door ED119A

6.0 GROUP IH-3

Add the following:

Door ED119A

Delete the following:

Door EC118A

SECTION 11 19 30 WOOD DOORS

1.2 COORDINATION

1.0 1.2.1 Revise the sentence as follows:

It is required that a single Detention Equipment Contractor be responsible for and submit a combined bid for Sections 08 42 29, 11 19 00 , 11 19 10 , 11 19 20, 11 19 30 ,11 19 50, 11 19 60,11 19 70.

SECTION 11 19 50 DETENTION FURNITURE

1.2 COORDINATION

1.0 1.2.1 Revise the sentence as follows:

It is required that a single Detention Equipment Contractor be responsible for and submit a combined bid for Sections 08 42 29, 11 19 00 , 11 19 10 , 11 19 20, 11 19 30 ,11 19 50, 11 19 60,11 19 70.

SECTION 11 19 60 DETENTION FABRICATIONS

1.2 COORDINATION

1.0 1.2.1 Revise the sentence as follows:

It is required that a single Detention Equipment Contractor be responsible for and submit a combined bid for Sections 08 42 29, 11 19 00 , 11 19 10 , 11 19 20, 11 19 30 ,11 19 50, 11 19 60,11 19 70.

Architectural Schedules

1.0 Revise Door Schedule Pages 12, 13 and 16.

ARCHITECTURAL DRAWINGS

1.0 Drawing A100 Delete note to reinstall salvaged pavers. Supply and install new grass pavers. Product specification to match the existing on site for the area designated for grass pavers. Refer to A1-06, A1-07, A1-08.

2.0 Drawing A100 Add gate in fence at fire lane. Refer to A1-04 by Division 11.

3.0 Drawing A200, A201, A202, A203 Revise typical note 13. Refer to A1-05.

4.0 Drawing A407 Room 1038 Kitchette – Revise Counter Construction designation from CT2SP to CT2PS.

- 5.0 Drawing A703 Section 1 – Added Steel Plate thickness of Steel Curb. Refer to A1-09.
- 6.0 Drawing A900 Revise notes and Frame Detail. Refer to A1-01, A1-02, A1-03.
- 7.0 Drawing A100 Scope of Work to Existing Fence - clarifications Refer to A1-10, A1-11, A1-12 .
- 8.0 Drawing A010 Clarify Scope of new gravel parking pad. Refer to A1-13.

ARCHITECTURAL PWGSC/CSC APPROVALS

09 65 16	Marmoleum	NOT APPROVED Information submitted insufficient. Submit direct specification comparison to specified product. Submit Colour Sample of each specified colour and proposed alternate.
	Record 8100 Series Swing Door Operator	NOT APPLICABLE TO THIS CONTRACT

ARCHITECTURAL QUESTIONS & ANSWERS

Question:

Vents for exterior windows - Spec lists Kawneer 526 vent. Spec also lists "Multipoint locking". This is not available with this vent type. Cam handle only.

Also, it is unlikely that this vent will meet the B7 rating listed. Option is to either eliminate multipoint locking and reduce rating or, use a Kawneer AA900 vent.

This same system was specified for Matsqui - Medium Security. Do you know which vent they ended up using out there?

We are currently on the Kent Institution - Maximum Security. We are using the Kawneer 526 vent.

Aluminum windows - Duranar finish is listed in spec. Clear anodised is listed on elevations

Answer:

There is no reference in this specification to multi point locking.

Refer to 2.2 Awning Vent operation: Refer to 1.6 DESIGN REQUIREMENTS OPERABLE VENT

Refer to revision to design requirements and finishes in SECTION 08 50 00 ALUMINUM DOORS AND WONDOWS above.

Question:

A320 Wall section detail notes the metal roof assembly but, it seems that there is no mention of backing for the wood batten to fasten to (plywood or z-girts). Drawing A340 partially notes the roof assembly with un-specified plywood; no location or dimensioning. Please clarify.

Answer:

On section 2 of A320 the assembly is specified:

Typical Sloped Roof Construction

Prefinished Metal Shingle Roof System

38 x 38 Pressure Treated Wood Battens c/w 3mm kerfs @ 75mm c/c, Batten Spacing to suit Roof System

Slip Sheet as Required

Fully Adhered Moisture Membrane

Insulation Overlay

Metal Furring/Sub Girt System to Suit Metal Shingle Roof System

150 mm Insulation Type 3

Air, Vapour, Moisture Membrane

16mm FRR GWB Sheathing (Dens Deck)
75 mm Metal Deck
Structural Framing System

The Wood Battens are fastened to the **Metal Furring/Sub Girt System**

Question:

Section 10 99 00 of the specifications refer to details on page 11/A606 of the drawings. That page does not exist in the current drawing package.

This also occurs on page A200 with a drawing reference to page A102 (not included)

Answer:

The drawing reference is A406 not A606 as stated in the clause above.

The reference to page A102 should read A407.

Also reference the electrical drawings for work required in the existing building.

Question:

My question is what type of snow guard are you looking for on this project for the spec is very general?

Answer:

No snow guards are required on this project.

Question:

Is there a specification or detail available for the expansion joint covers shown on drawings A201 and A407?

Answer:

There are no expansion joint covers required. The details of the connection of the new building to the existing is referenced on elevation 5/A303.

Question:

I can't find drawing A102 referenced in typical note #13 showing the additional scope of work in the existing building.

Answer:

The reference to page A102 should read A407.

Question:

Section 01 11 00 Summary of Work, 1.4.2: Estimated value of work for BSCS is \$683,000. Bid and Acceptance Form amount is \$680,000. Please advise correct estimated budget amount.

Answer:

\$683,000

Question:

Is it intended that Section 08 42 29 Automatic Entrances will be included in work by DEC contractor per Section 01 11 00 Summary of Work? Division 11 specification sections, item 1.2 do not include the Automatic Entrance specification section but Automatic Door Closers are listed in Section 11 19 20, 2.13. Please clarify.

Answer:

This was amended in the DEC tender. The revisions to the tender documents are included in this addendum.

Question:

Our insurance broker advises that Completed Operations Liability Insurance is only available for 2 years in the Canadian Insurance market. Please advise.

IT2.3 Period of Insurance.

1. Unless otherwise directed in writing by Canada, or, otherwise stipulated elsewhere herein, the policy required herein shall be in force and be maintained from the date of contract award until the day of issue of the Certificate of Completion except that the coverage for Completed Operations Liability shall, in any event, be maintained for a period of at least six (6) years beyond the date of the Certificate of Substantial Performance.

Answer:

The response to this question must come from PWGSC.

Question:

Please confirm speaker port shown on A406 is by Division 11 DEC Subcontractor, as specified in Section 11 19 60, 3.2 and not by Section 08 80 50 Glazing, 2.4.6.

Answer:

The speaker port is by Division 11, prep and coordinate with division 8 for the glass.

Question:

Please provide specification Section 09 21 16 as noted in Specification Section 11 19 10, 3.2. Is installation of all door frames by Division 11 DEC?

Answer:

Reference section should read 09 22 14. Installation of all doors and frames is by division 11.

Question:

Glazing for metal doors is by Div 11 (Section 11 19 00, 2.7) but there is no similar item for wood doors. Please clarify if Div 11 DEC will be including glazing to wood doors as well as metal doors.

Answer:

Supply and installation of all glass is by section 08 80 50.

Question:

There is more suspended slab shown in the common area as per Dwg S3.01. Drawing S2.02 shows steel beams and metal deck. Please advise which governs.

Answer:

Refer to Structural Drawing amendments in this addendum.

Question:

Please provide spec for grass pavers.

Answer:

Match the existing pavers currently used on site.

Question:

The topsoil specification shows Temp Cover hydro seeding (where are these areas)?

Answer:

Not required for this project.

Question:

Same topsoil spec calls for 400mm depth topsoil for future planting beds and resident gardens. Where are these areas?

Answer:

Not required for this project.

Question:

The Hydraulic seeding spec talks about Futerra Erosion Control blanket. Where is this applicable?

Answer:

Not required for this project.

Question:

On drawing A100 Detail 1, it shows 400 mm thick for the Subbase Course and 150 mm for the Base Course. The specifications state 100 mm for the Subbase Course, and 150 mm for the Base Course. Please specify the preferred depth.

Answer:

Construct as per the Detail on A100

Question:

Please clarify the extent to which any obsolete services are to be removed. On the Electrical Drawings it specifies that "all disused or abandoned conduits are to be removed". Under 31 23 33.01 of the specifications, Section 1.6.3 it states "Remove obsolete buried services within 2m of Foundations". Do

we need to find locate and/or remove any obsolete services or conduits outside of the 2m area of the foundation?

Answer:

Refer to response in Electrical Questions and Answers below.

Question:

Additionally, the soils reports indicated a significant amount of unsuitable soil located underneath the South Wing of the New Building. Has this been removed under the building foot print and replaced in with suitable structural fill? For unsuitable soil outside of the building footprint, does it need to be removed, and if so, who will be responsible for this work.

Answer:

Under the site preparation contract removal of unsuitable soils and the structural fill is to placed to the underside of the footings elevation 53.050.

Work outside the site preparation contract is the responsibility of this contract. Contact PWGSC for the documents for the site preparation contract.

Question:

Currently there is company onsite performing rough excavation around the building foot print. Will they be confining their activities to this area, or will they be taking care of the entirety of the site? Who will be responsible for the top soil stripping and rough grading outside of the building footprint, including the area with the existing greenhouse?

Answer:

Work outside the site preparation contract is the responsibility of this contract. Contact PWGSC for the documents for the site preparation contract.

Question:

Please clarify the following items on section 01 11 00 – Summary of Work – that is to be done by the Site Prep and Site Services contractor and NOT included in the base bid

a. Item 1.3.2.1

1. Does this include trenching and backfill onsite and offsite (outside the construction fence line)?
2. What about re and re of the construction fence to satisfy the site services?
3. Does this include foundation drainage to building perimeter?
4. Does this include under slab mechanical/plumbing?
5. Are the provision of the duct banks included in this package?
6. Is the Removal of existing conduits included, please see the attached image from Drawing E101:

Answer:

1. All work outside the site preparation contract is included in this contract.
2. There will be no re and re of fence in this contract resulting from installation of site services.
Refer to documents for work on fences.
3. Yes
4. Yes
5. Yes
6. Refer to response in Electrical Questions and Answers below.

Question:

Spec section 07 92 00 notes that the contractor is to allow for an additional supply of 2000 and 300 linear meters of security caulking (interior and exterior respectively). What is the nominal diameter of the caulking bead for the extra material to accurately calculate the volume required?

Answer:

Allow 12mm interior, 15mm exterior

Question:

Section 01 29 83 Paragraph 1.3.1 indicates that the Departmental Representative will engage and pay for all services of testing and laboratory services.

Section 03 30 00 Paragraph 3.12.2 indicates that the contractor is to pay for costs of tests (referencing concrete testing). Please clarify whether DR or GC pays for concrete testing.

Answer:

Departmental Representative

Question:

There are two spec sections for metal shingles (07 13 16 and 07 31 16) in the spec book. Which is the correct section?

Answer:

07 31 16

Question:

Departmental Representative Furnished Items in Section 01 11 00 requires the Contractor to “assemble, install, connect, adjust and finish products.” There is an extensive amount of furniture items shown on the floor plans, but there is no detail as to the extent of assembly, installation, connection, adjustment and finishing required. Please clarify what the furniture items are and what extent of assembly and finishing is required.

Answer:

If there are items they will be describe on the drawings.

Question:

The drawings do not indicate the thickness of the foundation walls. Please clarify.

Answer:

The thickness of the foundation walls is to match the r/masonry wall above. For example 200mmm for 190 r/masonry block

Question:

Specification Section 07 72 26.9 clearly outlines the requirements for an exterior building maintenance system. The height of the proposed building and size of glazing does not require powered platforms or even bosun chair access.

Atlas recommends that all Window Washing and Exterior Façade Maintenance work be performed from grade. Please clarify the fall protection scope of work, is this project only for Roof Top Maintenance?

Answer:

Reference A202.

Question:

Please provide the plate thickness for the form cont steel curb.

Answer:

6 mm Steel Plate

Question:

Is the cont. steel shutter track supports, in the steel fabricators scope of work or the detention security contractors scope?

Answer:

The Frame is Division 11 and the Shutter Assembly with the track is specified in Division 8.

Question:

Based on ISM's previous experience with institutional projects, please note the following. Interior stairs were design changed and built with perforated plate risers to ensure no imate can reach through the stairs, but also to ensure a person can been seen through the stair. Grating or safety treads were also used to ensure a person can be viewed through the stair.

Answer:

All design requirements are described on the drawings.

Question:

Both interior and exterior exposed stairs call for galvanizing. Please refer to Section 05 12 23 in the job specs, 2.3 states interior exposed steel to receive SP-6 cleaning and exterior exposed to receive SP-10

cleaning. Please confirm the stairs and handrail DO NOT require sandblasting, as the HD Galvanizing will remove all mill scale.

Answer:

Sandblasting is required.



Addendum 1

Notes

1. The information presented on this drawing is to be read in conjunction with the Door, Frame & Screen Schedule.
2. The Contractor and subcontractors are advised that the design of the doors and frames shown on this drawing are customized for this project. The contractor will not be permitted to substitute standard products unless they meet in every respect the dimensions noted on this drawing and specifications including required test reports. The contractor is advised that sufficient time in the project schedule must be provided to permit preparation shop drawings, coordination of hardware, mockups manufacturing, delivery and installation. No additional costs including but not limited to delay, will be considered as a result of insufficient time included in the schedule.
3. All Frames installed into Concrete Block or mounted in CIP Concrete, Concrete grout fill frame. Note modified details for doors installed into exterior walls.
4. Polycarbonate shall be of no spall type.
5. SG = Swing Type Door
6. Notwithstanding the Details and Specified Frame and Door Widths, the contractor must review the glazing requirements for this project during tender. If the door width and frame rabbet must be adjusted to accommodate the specified glazing, the contractor is to make such adjustments and coordinate with all other affected work. The cost of all adjustments must be included in the bid. All adjustments must be identified on the shop drawings.
7. Where fastener spacing is specified for secure windows locate fasteners maximum 50mm from corners.
8. Contractor to review all hardware for this project. Where required to accommodate the hardware adjust frame elevation as required. All costs must be included.
9. Contractor to review all hardware for this project. Where required to accommodate hardware into steel fabrications the contractor is to include the design, supply, fabrication and installation of all materials and requirements. No additional costs will be considered.
10. The contractor is advised that there is Building Security and Communications, Electrical, and Electromechanical Lock interfaces with the Doors and Frames. The contractor is to review all documentation with respect to this project and provide for all costs including but not limited to coordination, additional access panels with security fasteners in frames.

Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A900	
Consultant Signature Only	Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:50
Designed by/Concept par	Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2011
Drawn by/Dessine par	Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-01
			Revision/ Revision



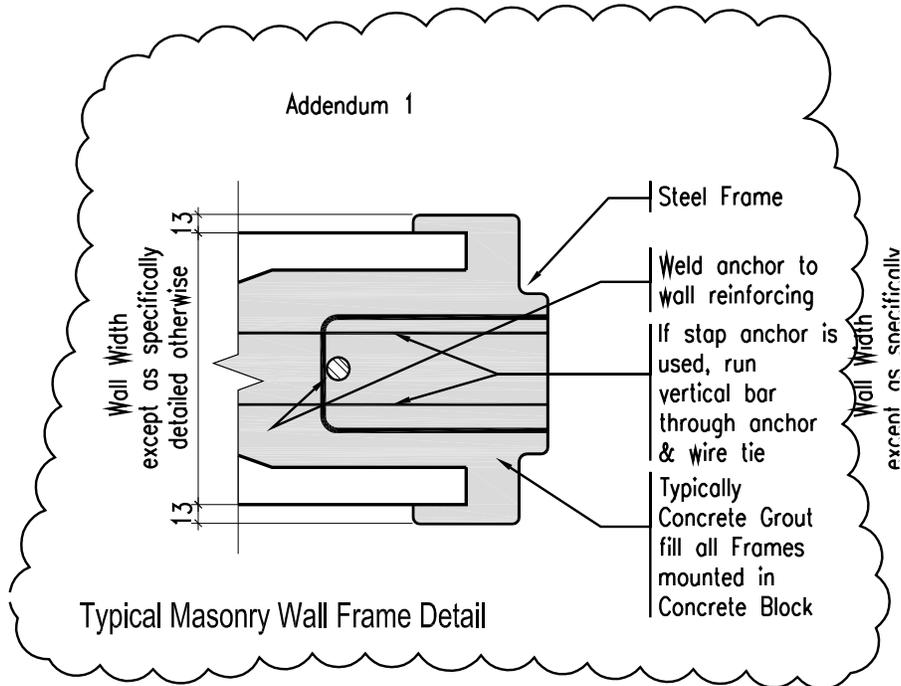
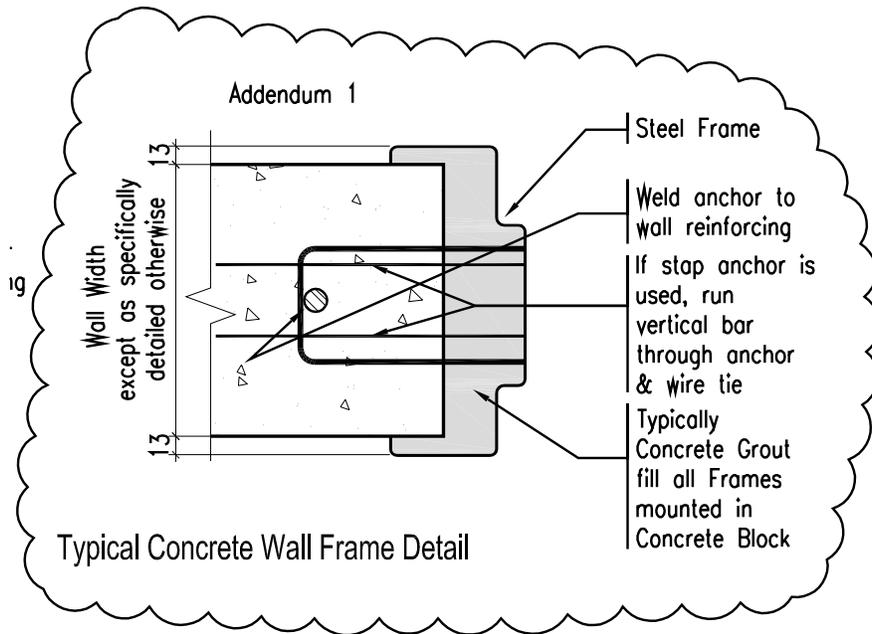


Notes cont'd

11. Type of Security Steel and Location Used
High Security Tool Resistant
 Exterior Cell Window Frames
 Service and Duct Space Barriers
High Security Rod Saw Resistant
 Not required on this project
Low Security Steel - Mild Steel
 Typically all Corridor Grilles and Barriers
 Windows of Office areas, Classrooms.
12. Refer to specification for mock-up requirements. Include time required to prepare mock up in the project schedule. Typically a mockup up is required for the typical inmate room door and the typical movement doors. Note where there is a significant variance in the hardware requirements and frame preparation requirements a mock up will be required. Consult Departmental Representative for detailed requirements.
13. For Building Security and Communications Systems door types, conduit etc refer to drawing BSCS401.
14. The Detention Equipment contractor is required coordinate all the requirements of the Hardware, Commercial and Detention Frames, BSCS and Electrical. The Detention Equipment contractor must provide coordination drawings showing that all requirements of the design documented in the contract documents are complied with.
15. All detention and commercial door frames in Inmate Areas including exterior to the building **MUST** be installed at the same time/with the construction of the concrete or concrete block wall. No exceptions will considered.

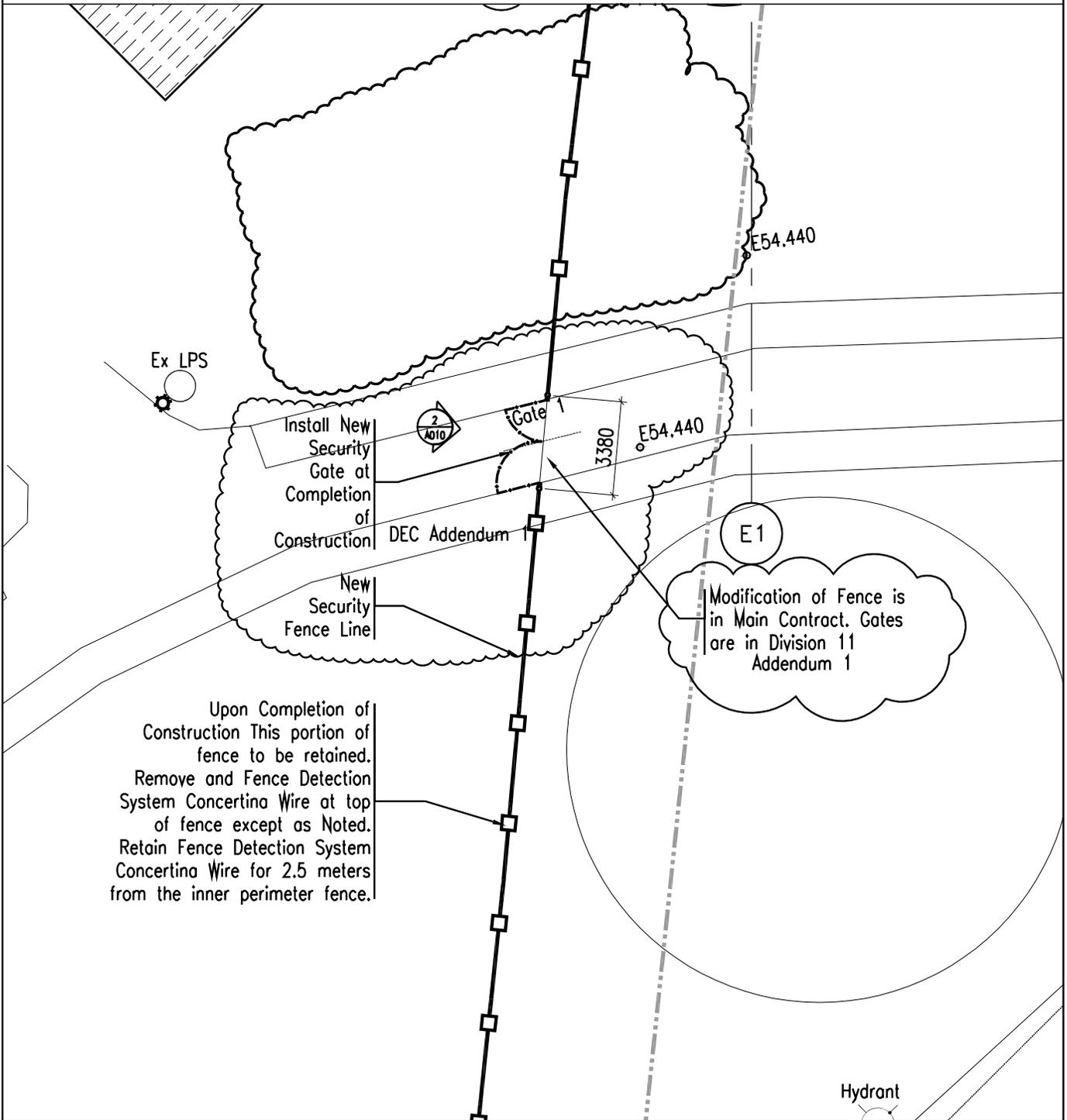
Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A900	
Consultant Signature Only	Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:50
Designed by/Concept par	Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012
Drawn by/Dessine par	Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-02 Revision/ Revision





Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A900	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:50	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-03	Revision/ Revision





Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A100	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-04	Revision/ Revision





including but not limited to cutting, coring, coordination, patching and making good, fire stopping, sealants.

- 6. The contractor is advised that this building includes a pneumatic door control system. Coordinate all work with respect to the Schedules and Specifications. ALL tolerances must be complied with.
- 7. The contractor is advised that this is a Loadbearing Concrete Block Structure. The design intent and requirement of this building is to provide Steel Block where ever there is an anchor for building components or service outlets within inmate areas. The drawings show the intent of where steel block is used but do not show all locations.
All contractors including subcontractors must include all steel block required to mount, fasten to, anchor building components, accommodate building services of all disciplines structural, mechanical, electrical, building security and communication systems. This includes but not limited to blocks for electrical switches, electrical power outlets, communication outlets, sprinklers.
- 8. Concrete Block - Provide where concrete block is a finished wall, at all openings, corners and end walls Bull Nose Concrete Block
- 9. For Site Work refer to Drawing A100.
- 10. For Electrical Rooms, Telephone & Data Room, Security T & E Room, Pneumatic Lock Room Supply and install 19 mm Medium Density Overlay Plywood Panels as required to be installed on walls. Paint to match adjacent walls. For purposes of quantity provide 30 - 1200x 2400 Panels, Panels to be painted to match adjacent walls.
- 11. Quality Control - The contractor is advised that there are stringent quality control requirements for construction of the concrete block/steel block walls. The contractor must refer to the specifications for the details of these requirements.
- 12. In all areas that are accessible to inmates, where there is a gap between building components provide continuous security sealant.
- 13. Refer to A407 AND Mechanical and Electrical Drawings for additional scope of work in existing building. Addendum 1
- 14. Refer to 1/A200 for Acoustic Wall Construction and 2/A200 for Typical Metal Stud Wall construction at U/S Structure and Top of Floor.
- 15. All penetrations (Including Mechanical, Electrical and Building Security) through fire rated floor and wall assemblies must be Fire Stopped and Sealed as per specifications.
- 16. Floor Assemblies and all supporting structure - 1 hour Fire Separation Minimum 25mm Concrete Cover
- 17. Wall Fire Separations are shown on Reflected Ceiling Drawings.
- 18. The contractor is responsible to include all of the requirements of the Code Compliance Analysis dated February 21, 2011. This is included in Book 5 of the specifications.
- 19. Secure Concrete Block Walls - All walls tagged on the architectural floor plans with Wall Types are security walls and are required to be concrete filled and reinforced as specified on the Architectural and Structural Drawings.
- 20. Wall Type is a custom H block, contractor must consider this material as a long delivery item include the procurement, fabrication and installation requirements in the project schedule.

EDA

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Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A200, A201, A202, A203	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-05	Revision/ Revision





100.0

New Grade Elevation



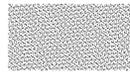
Existing Fence



New Fence

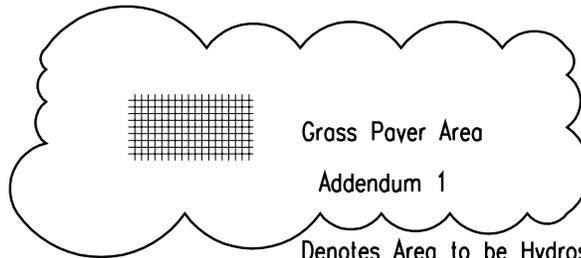


New Asphalt Paving



New Concrete

Sodded Area



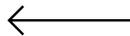
Gross Paver Area

Addendum 1

Denotes Area to be Hydroseeded

Denote perimeter of area contractor is permitted to laydown materials, equipment, garbage for this project. No materials, equipment, garbage, or other matter will be permitted to stored between this line and the existing fence line.

The Height of materials are permitted to be stocked is regulated by CSC.



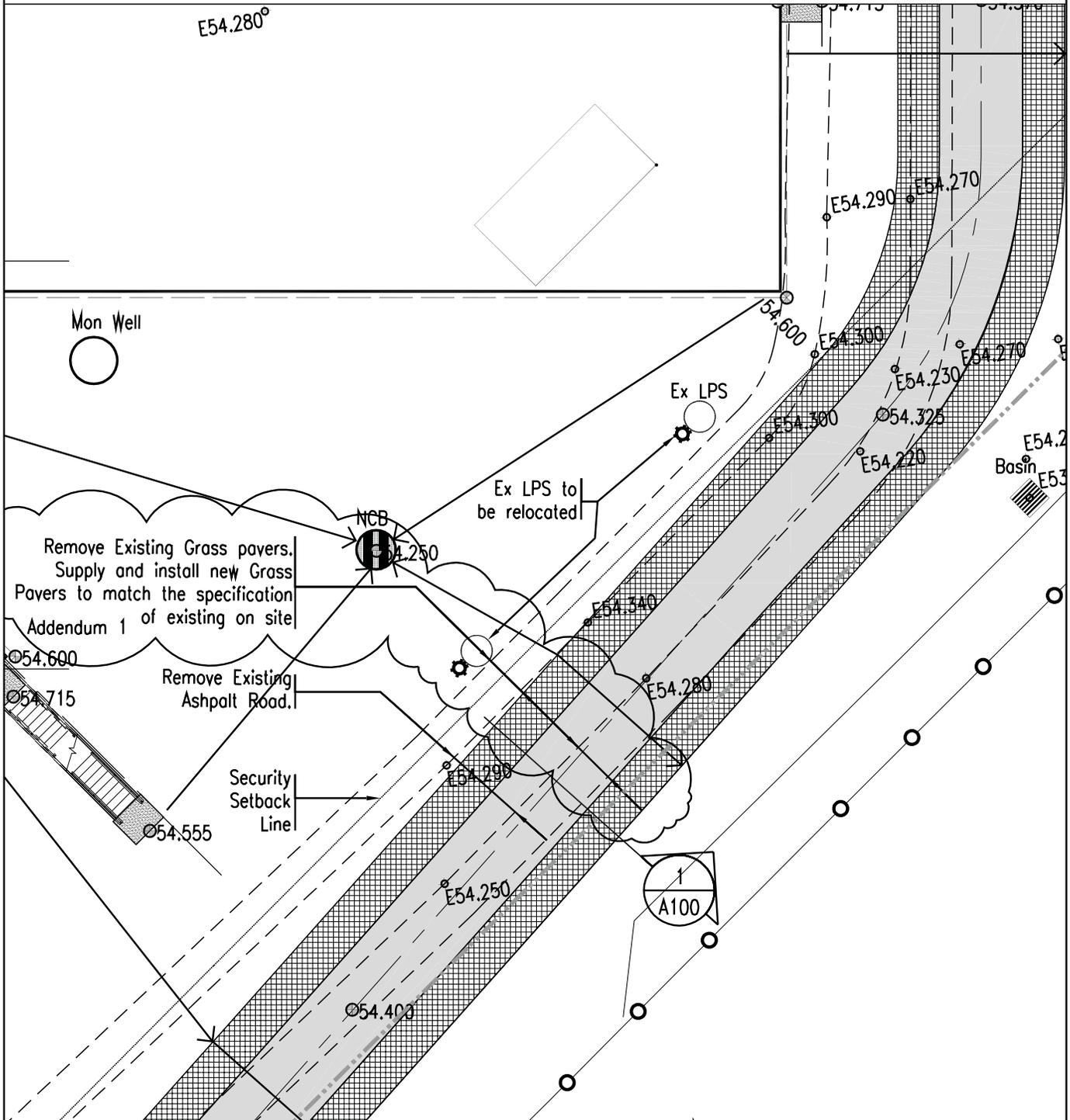
Denotes Direction of Site Grading/Drainage

s Pavers
minus Crushed Aggregate

mm Asphaltic Concrete (1 Lift)
- 19 minus Crushed Aggregate (Type 2)
- 75 minus Pit Run

Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A100	
Consultant Signature Only	Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200
Designed by/Concept par	Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012
Drawn by/Dessine par	Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-06 Revision/ Revision





Project title/Titre du projet
**Abbotsford B.C.
 Pacific Institution
 Regional Treatment
 Centre
 New 96 Bed Living Unit**

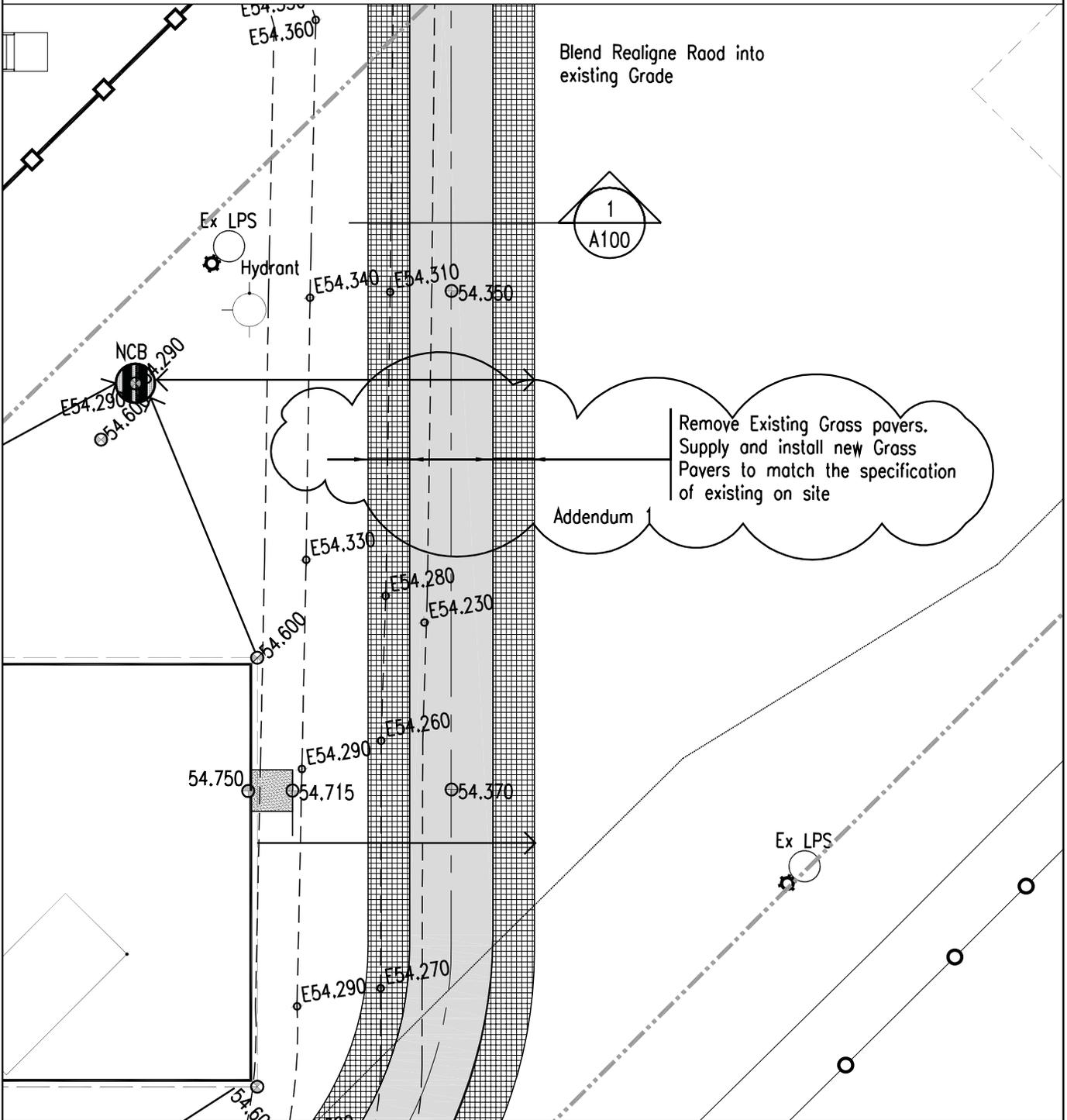
Drawing title/Titre du dessin
PART DRAWING A100

Consultant Signature Only **Stantec**
 Designed by/Concept par **Stantec**
 Drawn by/Dessine par **Stantec**

PWGSC Project Manager/Administrateur
 de Projets TPSGC **Daryl Sinclair**
 PWGSC, Regional Manager, Architectural and Engineering Services/
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC
 Project No./No. du projet **R.044847.001**

Scale/Echelle **1:200**
 Date/Date **April 2012**
 Sheet/Feuille **A1-07**
 Revision/Revision





Project title/Titre du projet
 Abbotsford B.C.
 Pacific Institution
 Regional Treatment
 Centre
 New 96 Bed Living Unit

Drawing title/Titre du dessin
 PART DRAWING A100

Consultant Signature Only
Stantec

Designed by/Concept par
Stantec

Drawn by/Dessine par
Stantec

PWGSC Project Manager/Administrateur
 de Projets TPSGC
Daryl Sinclair

PWGSC, Regional Manager, Architectural and Engineering Services/
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Project No./No. du
 projet
 R.044847.001

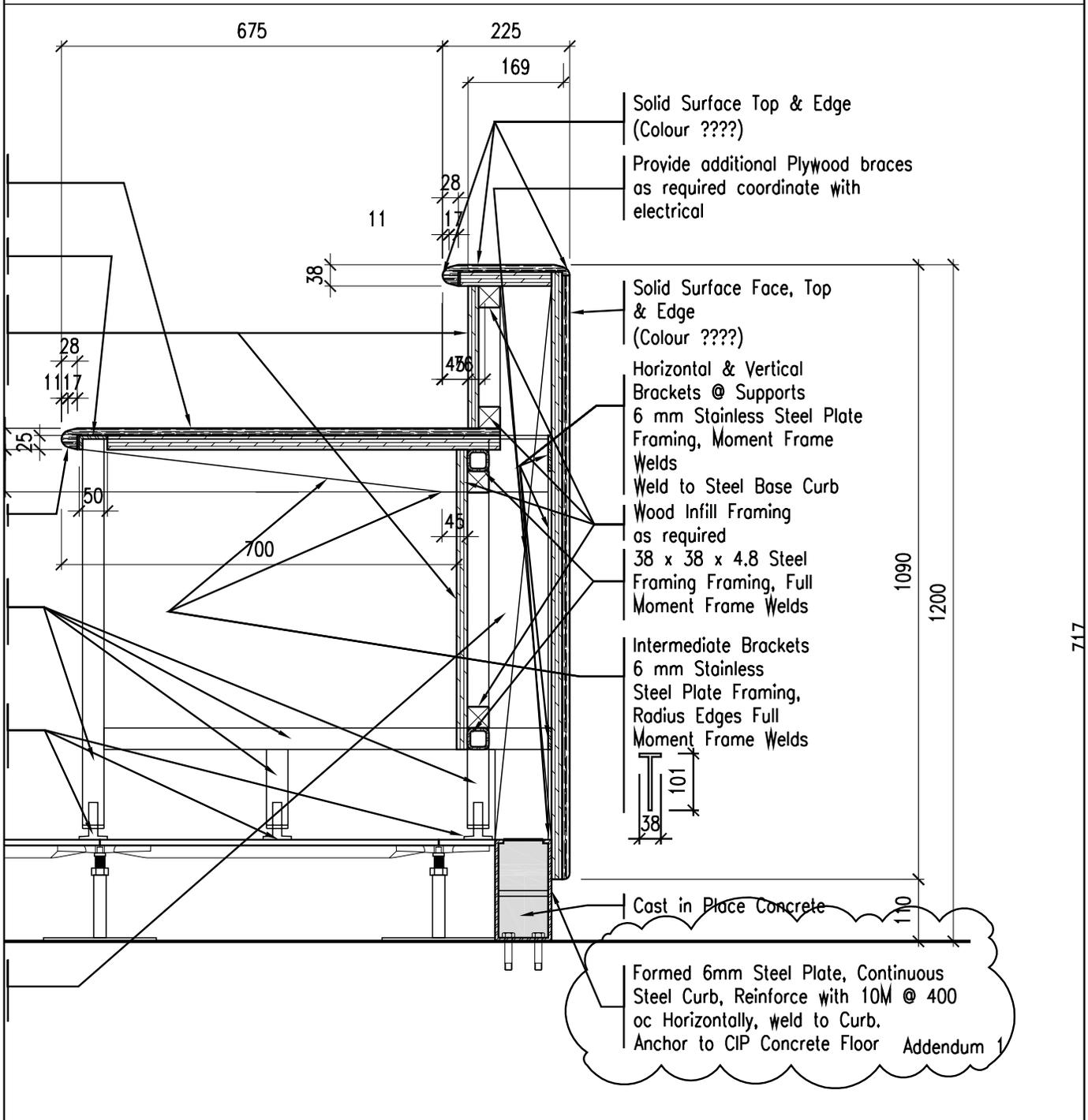
Scale/Echelle
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Date/Date
 April 2012

Sheet/Feuille
 A1-08

Revision/
 Revision

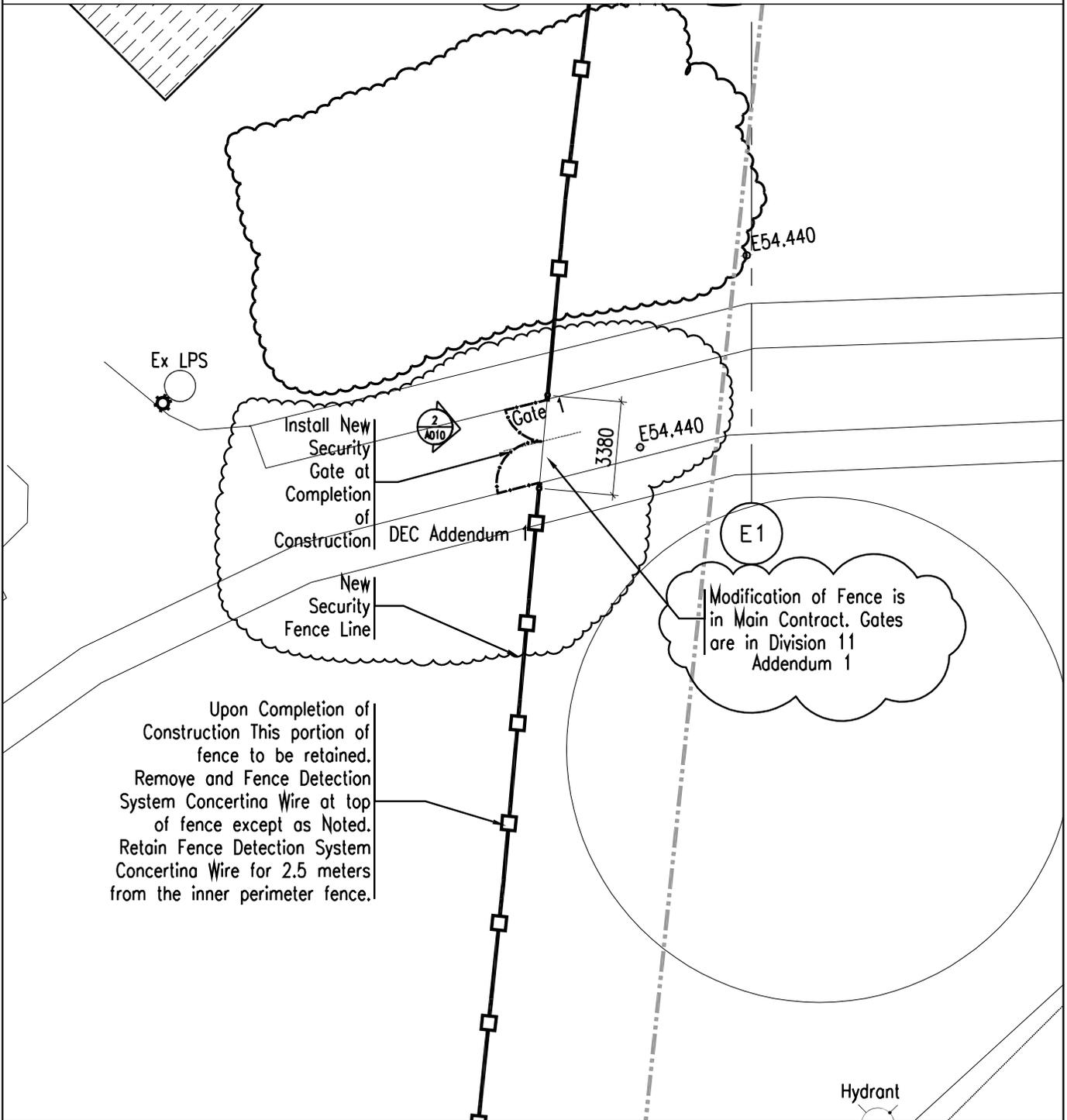




717

Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A703, Section 1	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-09	Revision/ Revision



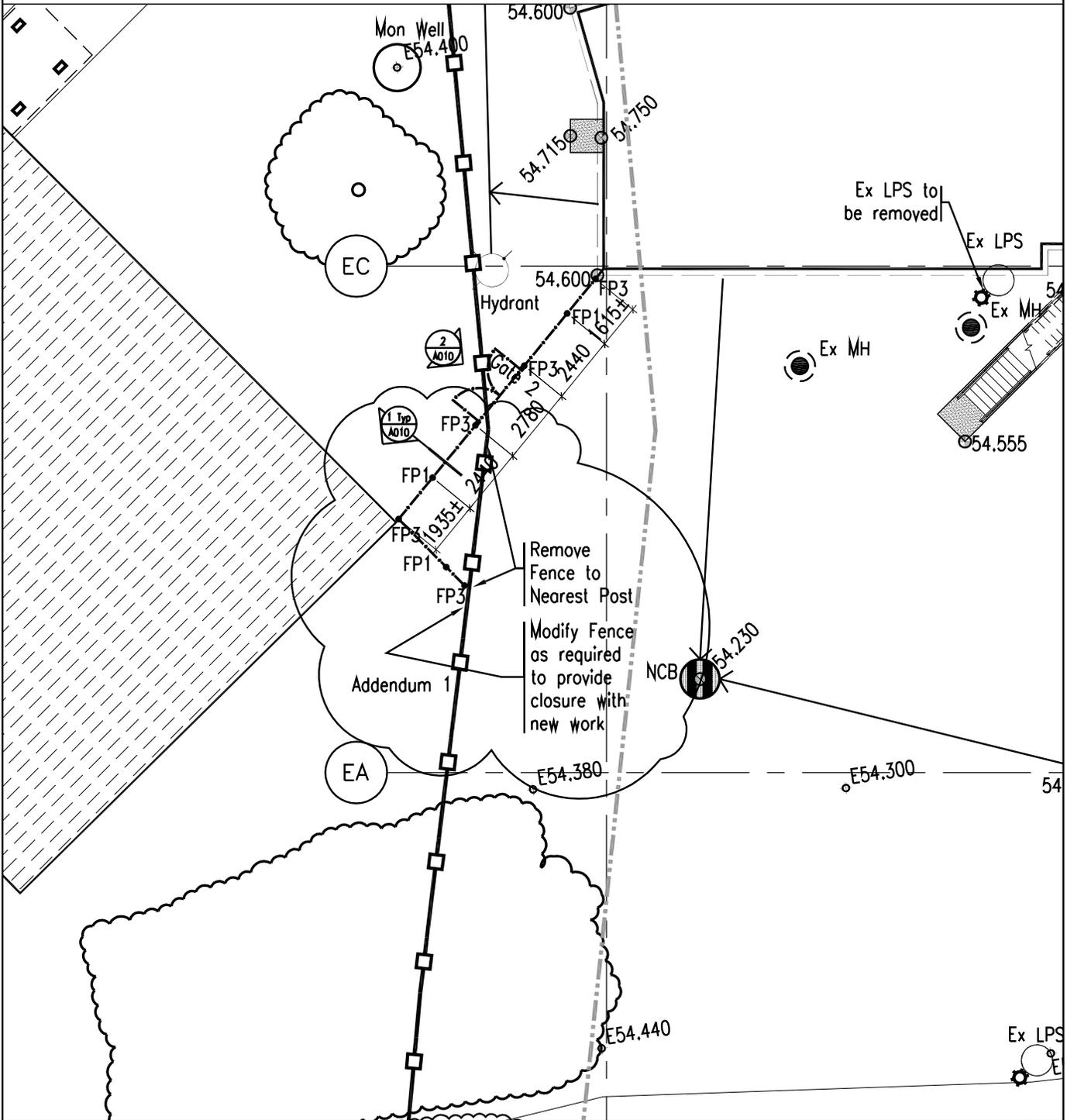


Upon Completion of Construction This portion of fence to be retained. Remove and Fence Detection System Concertina Wire at top of fence except as Noted. Retain Fence Detection System Concertina Wire for 2.5 meters from the inner perimeter fence.

E1
Modification of Fence is in Main Contract. Gates are in Division 11 Addendum 1

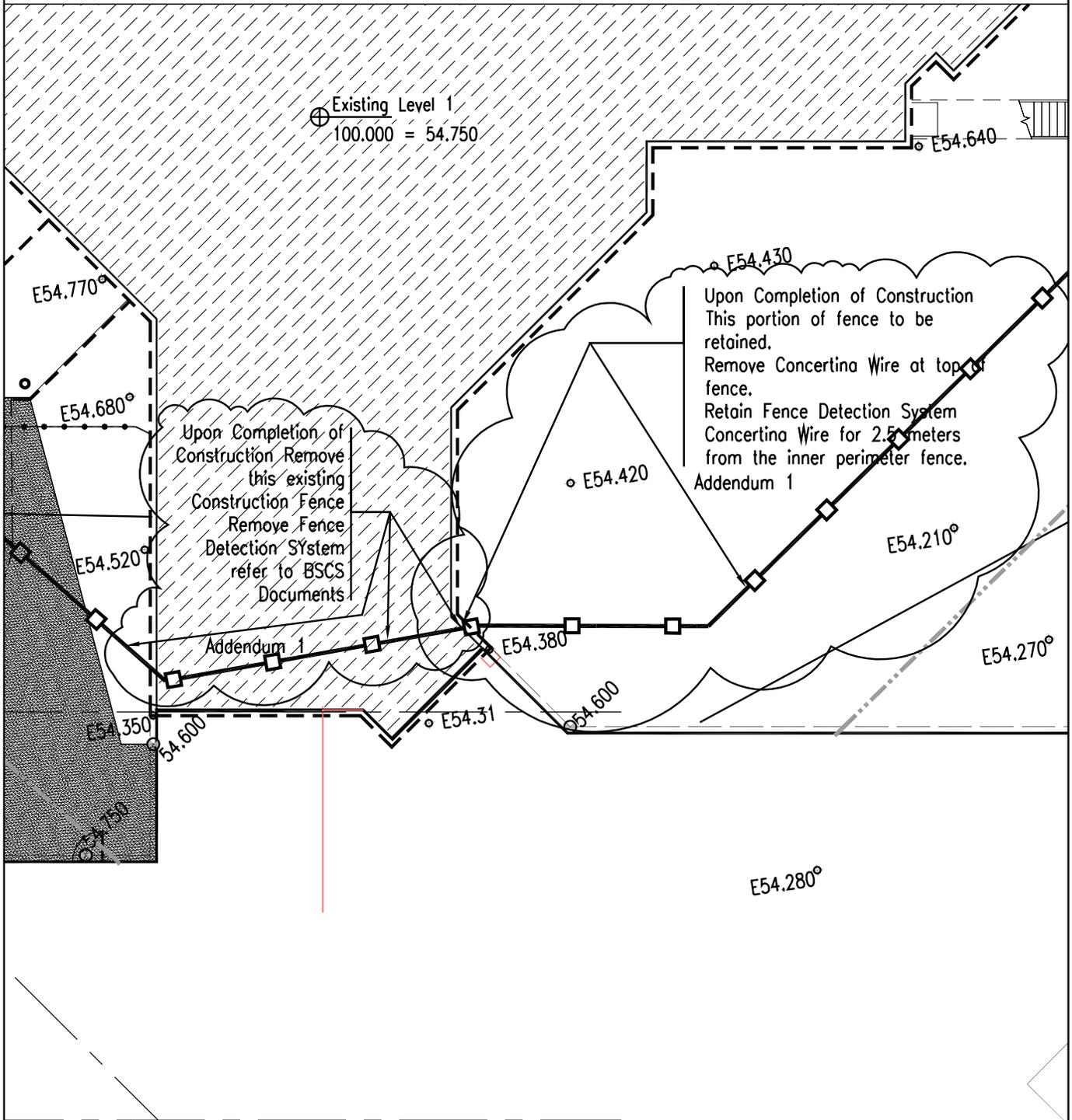
Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A100	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-10	Revision/ Revision





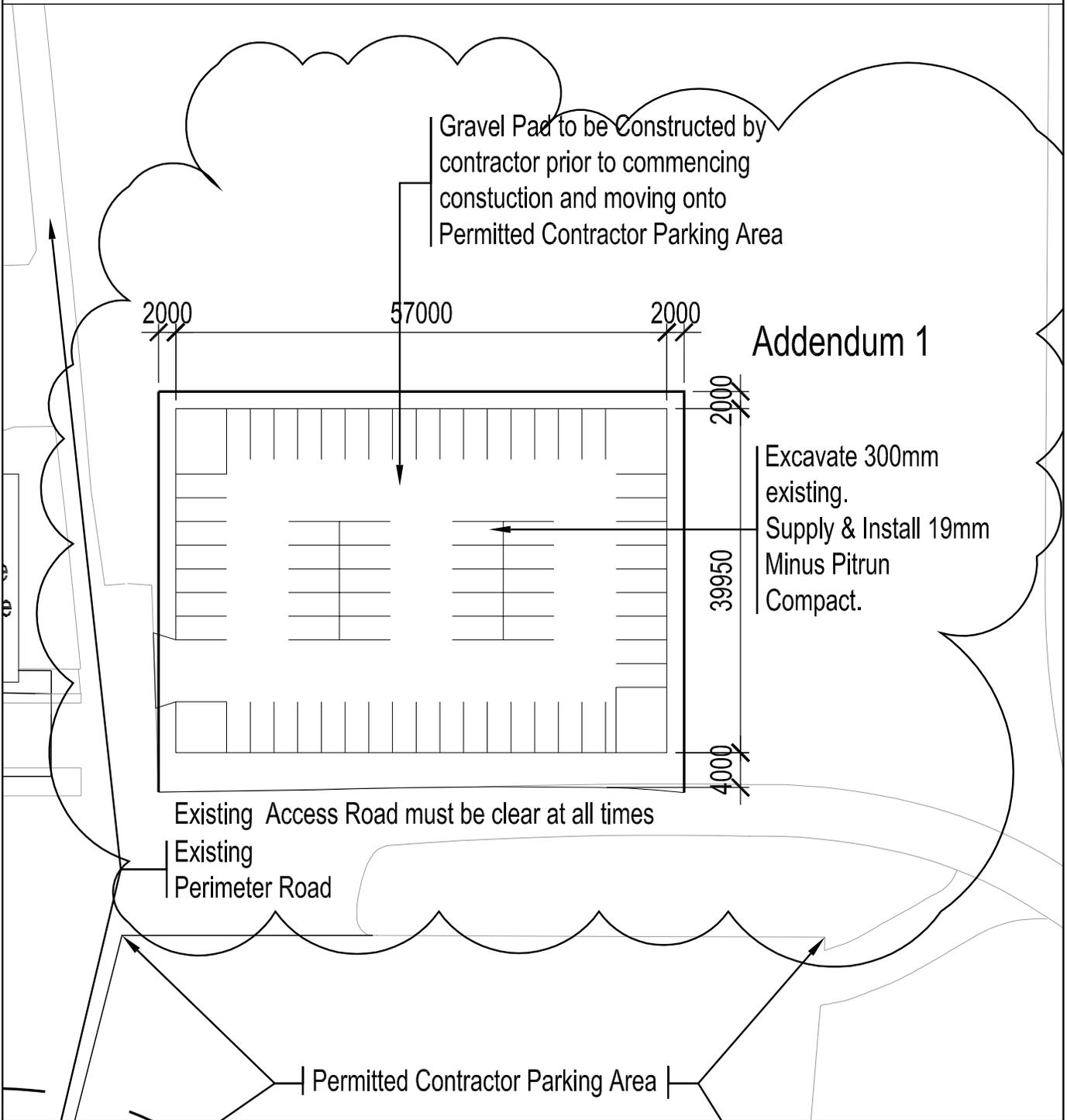
Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A100	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-11	Revision/ Revision





Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A100	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle 1:200	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-12	Revision/ Revision





Project title/Titre du projet Abbotsford B.C. Pacific Institution Regional Treatment Centre New 96 Bed Living Unit		Drawing title/Titre du dessin PART DRAWING A010	
Consultant Signature Only Stantec	PWGSC Project Manager/Administrateur de Projets TPSGC Daryl Sinclair	Scale/Echelle NTS	
Designed by/Concept par Stantec	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date April 2012	
Drawn by/Dessine par Stantec	Project No./No. du projet R.044847.001	Sheet/Feuille A1-13	Revision/ Revision



ROOM	ROOM NO.	ROOM NAME	TYPE	WIDTH	HEIGHT	THICK.	MATL.	FIN.	FRAME TYPE	DETAIL	WIDTH	MATL.	FIN.	ELEV'N	TEMP RISE	TIME	RATING LABEL	HARDWARE GROUP	SECTION	KEY NOTES	REV.
 <p>Stantec Tel 604 696-8000 Fax 604 696-8100</p>																					
<p>Door, Frame & Screen Schedule</p>																					
<p>PROJECT: Building E Pacific Institution Regional Treatment Centre JOB NO.: 144311092 DATE: _____ REVISION: _____</p>																					
<p>ISS./REV. 1 DEC Addendum 1 - Doors EA214b, EA214g, EA215a, ED215a Date: 1-Apr-12</p>																					
<p>2nd FLOOR</p>																					
<p>WING A</p>																					
EA201a	EA201	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA202a	EA202	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA203a	EA203	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA204a	EA204	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA205a	EA205	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA206a	EA206	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA207a	EA207	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA208a	EA208	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA209a	EA209	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA210a	EA210	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA211a	EA211	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA212a	EA212	Inmate Room	4	1000	2100	51	DD	P	3	3	216	DD	P	A				S-6		.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door	
EA214b	EA214	Corridor	1	1000	2100	45	CD	P	1	1	216	CD	P	B				IH-1			
EA214c	EA214	Corridor	1	1000	2100	45	CD	P	1	1	216	CD	P	B				IH-1			
EA214d	EA214	Corridor	1	1000	2100	45	CD	P	1	1	216	CD	P	B				IH-1			
EA214e	EA214	Corridor	1	1000	2100	45	CD	P	1	1	216	CD	P	B				IH-1			
EA214f	EA214	Corridor	1	1000	2100	45	CD	P	1	1	216	CD	P	B				IH-1			
EA214g	EA214	Corridor	1	1000	2100	45	CD	P	1	1	216	CD	P	B				IH-1			

ROOM	ROOM NO.	ROOM NAME	DOOR TYPE	WIDTH	HEIGHT	THICK	MATL.	FIN.	FRAME TYPE	DETAIL	WIDTH	MATL.	FIN.	ELEV'N	TEMP RISE	RATING LABEL	HARDWARE GROUP	KEY NOTES	REV.
PROJECT Building E Pacific Institution Regional Treatment Centre TITLE Door, Frame & Screen Schedule DATE _____ REVISION _____																			
PROJCT Building E Pacific Institution Regional Treatment Centre JOB NO. 144311092 Iss./Rev. 1 Date 1-Apr-12																			
EA215a	EA215	Vestibule	1	1100	2100	51	DD	XP1 PT4	2	352	DDF	XP1 PT5	C				S-3	Insulated Door Core Refer to Drawing 2/A324	
EA215b	EA215	Vestibule	1	900	2100	51	DD	P SP4 PT4	2	216	DDF	P SP4 PT5	A	45 min		S-4			
EA215c	EA215	Vestibule	1	900	2100	51	DD	P SP4 PT4	2	216	DDF	P SP4 PT5	A	45 min		S-8			
WING B																			
EB201a	EB201	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB202a	EB202	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB203a	EB203	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB204a	EB204	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB205a	EB205	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB206a	EB206	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB207a	EB207	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB208a	EB208	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB209a	EB209	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB210a	EB210	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB211a	EB211	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB212a	EB212	Inmate Room	4	1000	2100	51	DD	P SP4 PT4	3	216	DD	P SP4 PT5	A			S-6	.Glazing-G1, Electro Mechanical Lock, Pivot Swing Door		
EB214b	EB214	Corridor	1	1000	2100	45	CD	P SP4 PT1	1	216	CD	P SP4 PT1	B			IH-1			
EB214c	EB214	Corridor	1	1000	2100	45	CD	P SP4 PT1	1	216	CD	P SP4 PT1	B			IH-1			
EB214d	EB214	Corridor	1	1000	2100	45	CD	P SP4 PT1	1	216	CD	P SP4 PT1	B			IH-1			
EB214e	EB214	Corridor	1	1000	2100	45	CD	P SP4 PT1	1	216	CD	P SP4 PT1	B			IH-1			

ROOM	ROOM NO.	ROOM NAME	DOOR NO.	TYPE	WIDTH	HEIGHT	THICK	MATL.	FIN.	FRAME TYPE	DETAIL	WIDTH	MATL.	FIN.	ELEV'N	TEMP RISE	RATING LABEL	HARDWARE GROUP	KEY NOTES	REV.
PROJECT: Building E Pacific Institution Regional Treatment Centre TITLE: 144311092 Door, Frame & Screen Schedule DATE: _____ REVISION: _____ Tel 604 696-8000 Fax 604 696-8100																				
Stantec Tel 604 696-8000 Fax 604 696-8100																				
ED214c	ED214	Corridor	1	1000	2100	45	CD	SP4 PT1	1	216	CD	SP4 PT1	B			IH-1				
ED214d	ED214	Corridor	1	1000	2100	45	CD	SP4 PT1	1	216	CD	SP4 PT1	B			IH-1				
ED214e	ED214	Corridor	1	1000	2100	45	CD	SP4 PT1	1	216	CD	SP4 PT1	B			IH-1				
ED214f	ED214	Corridor	1	1000	2100	45	CD	SP4 PT1	1	216	CD	SP4 PT1	B			IH-1				
ED214g	ED214	Corridor	1	1000	2100	45	CD	SP4 PT1	1	216	CD	SP4 PT1	B			IH-1				
ED215a	ED215	Vestibule	1	1100	2100	45	DD	XP1 PT4	2	352	DDF	XP1 PT5	C			S-3		Insulated Door Core Refer to Drawing 2/A324		
ED215b	ED215	Vestibule	1	900	2100	51	DD	SP4 PT4	2	216	DDF	SP4 PT5	A	45 min		S-4				
ED215c	ED215	Vestibule	1	900	2100	51	DD	SP4 PT4	2	216	DDF	SP4 PT5	A	45 min		S-8				
2nd Floor Mechanical																				
Mechanical and Service Rooms - 2nd Floor																				
E2001a	E2001	Mechanical	3	1800	2100	45	CD	XP1 PT4	6	327	CD	XP1 PT5	G			H-3		Refer to Drawing 2/A326		
E2002a	E2002	Electrical	1	900	2100	45	CD	SP4 PT4	6	210	CD	SP4 PT5	G			H-4				
E2003a	E2003	T & E	1	900	2100	45	CD	SP4 PT4	6	210	CD	SP4 PT5	G			H-4				
Exterior Gates																				
Gate 1		Exterior Gate	6	2090	3430	*										S-10		* Refer to fence construction Drawing A010		
Gate 2		Exterior Gate	6	2400	3430	*										S-10		* Refer to fence construction Drawing A010		

STRUCTURAL DRAWINGS

- 1.0 Drawing S1.02 General Notes and Typical Details Sheet 2
 - 1.1 .1 Section 20/1.02 revised as shown. Refer to SSK 100.
 - 1.2 .2 Section 21/1.02 revised as shown. Refer to SSK 101.
- 2.0 Drawing S2.02 Second Floor Plan and Office Area Roof Plan
 - 2.1 Reference to Note 1 added. Refer to SSK 102.
 - 2.2 Reference to Note 1 added and Mech. Unit opening relocated. Refer to SSK 103.
 - 2.3 Location of Note 1 Reference revised. Refer to SSK 104
 - 2.4 Number of Note 1 Locations Changed to 9. Refer to SSK 105
 - 2.5 Mech. Unit opening relocated. Refer to SSK 106
- 3.0 Drawing S2.04 Roof Framing Plan
 - 3.1 OWSJ Schedule Revised. Refer to SSK 107.

STRUCTURAL QUESTIONS & ANSWERS

Question:

Refer to brace bay 5 along gridline E14. S2.01 shows HSS6x6x.250 for the braces. Detail A on S4.01 shows HSS3.5x3.5x.250 being used. Please clarify which steel profile to use.

Answer:

HSS 89x89x6.4 is the correct size for the diagonal braces on brace bay #5 as per section A/S4.01

Question:

Detail 16/S3.02 calls out a steel threshold plate and refers to architecturals. Detail 2/A350, also just calls out a steel sill plate. Please provide more information on these threshold plates; the profile size, the plate type - is it a checker plate? and how will it be attached?

Answer:

Refer to detail 1/A341

Question:

Is this new framing in the existing building? If so;

- Where do the W410x46 beams stop?
- How many joists are to be added?

Answer:

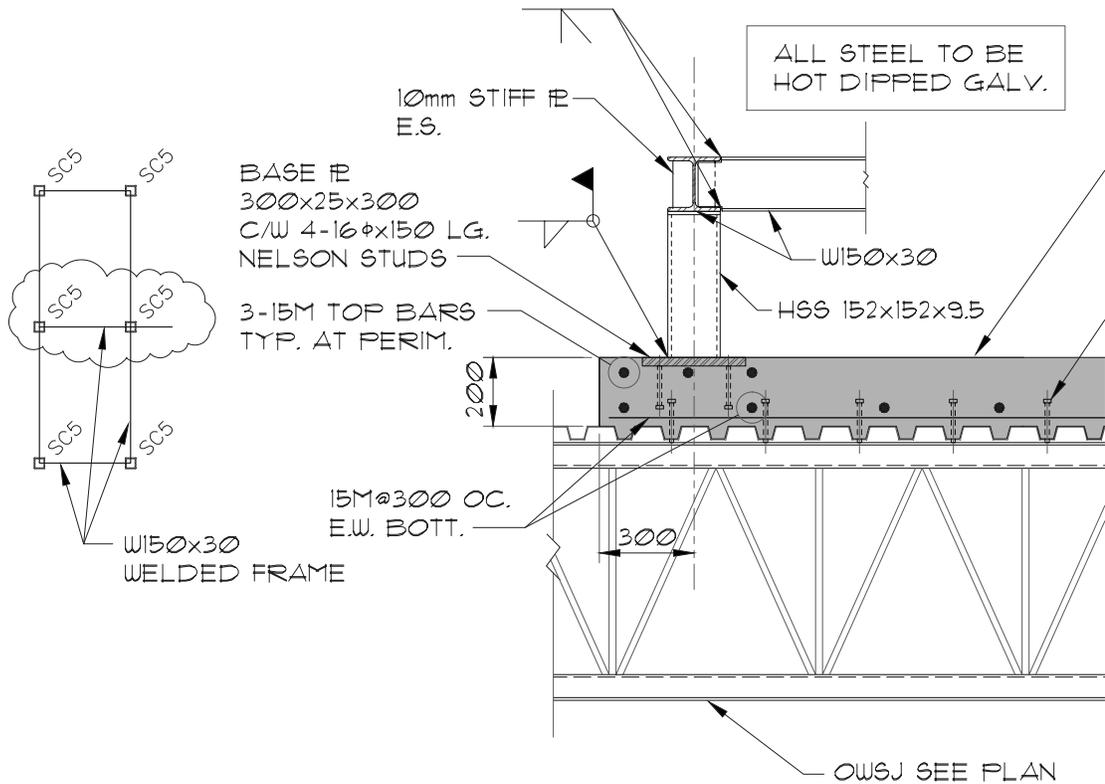
The clouded area is existing framing

Question:

Please refer to gridlines -DD2/-ET on drawing S2.02, a W150x19 is shown for the frame. Detail 21/S1.02 shows a W150x30. Please clarify which profile to use

Answer:

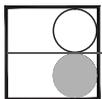
The correct size is W150x30 as per section 21/S1.02 and 3/A344.



20
2.02

TYPICAL HOUSEKEEPING PAD

1:20



BUSH, BOHLMAN & PARTNERS

consulting structural engineers
SUITE 1550 - 1500 WEST GEORGIA STREET, VANCOUVER, BC V6G 2Z6
Tel: (604) 688-9861 Fax: (604) 688-7039 E-mail: info@bushbohlman.com

DATE
11/04/12

SCALE
1:1

DRN.
PKL

CH'D.
RH

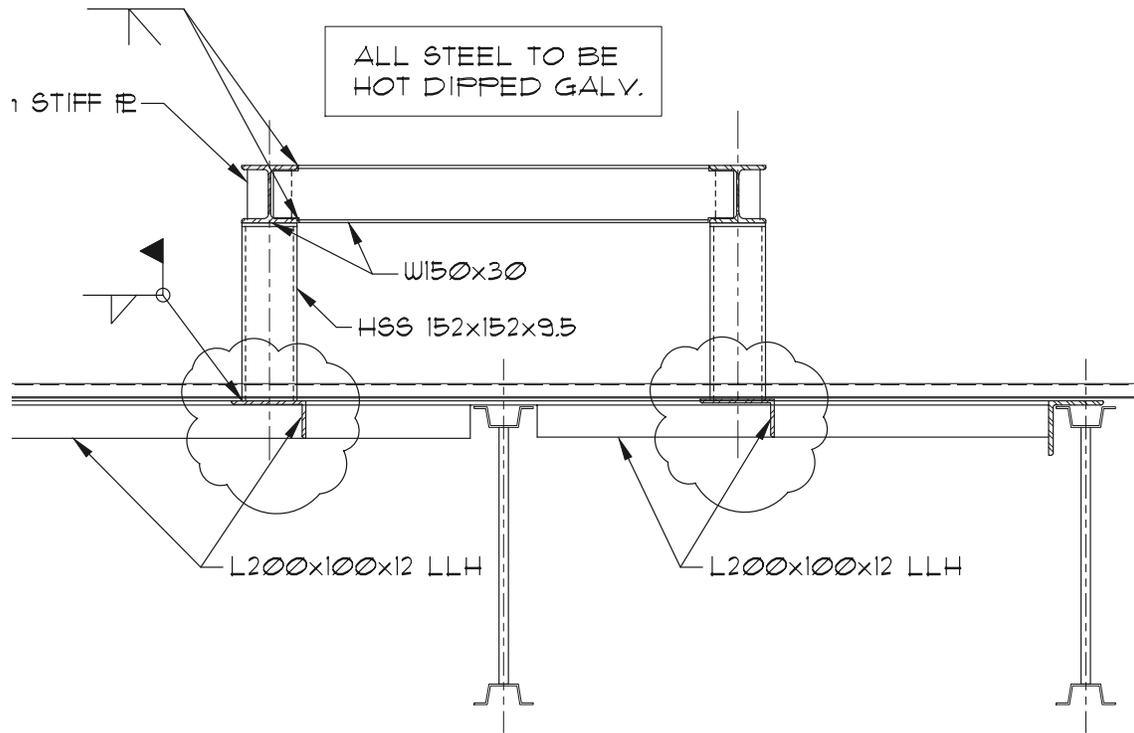
PROJECT No.
BBP 5575

SECTION 20/2.02 REVISED AS SHOWN ABOVE

SHEET No.

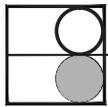
ABBOTSFORD, B.C.
PACIFIC INSTITUTION
REGIONAL TREATMENT CENTRE

SSK-
100



21
2.02

1:20



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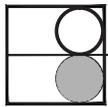
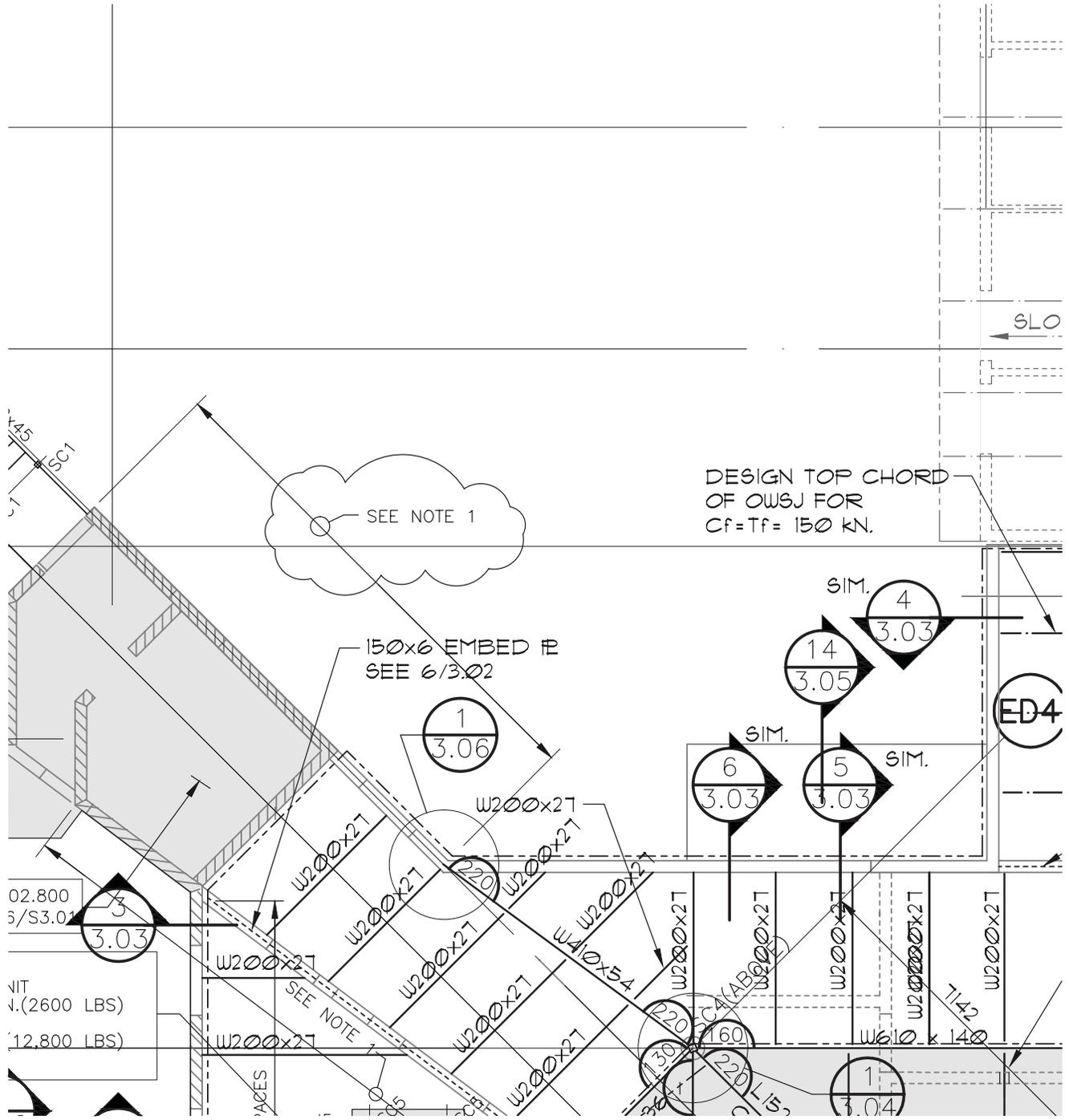
DATE 11/04/12	SCALE 1:1	DRN. PKL	CH'D. RH	PROJECT No. BBP 5575
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SECTION 21/2.02 REVISED AS SHOWN ABOVE

SHEET No.

ABBOTSFORD, B.C.
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**SSK-
101**



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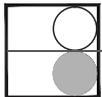
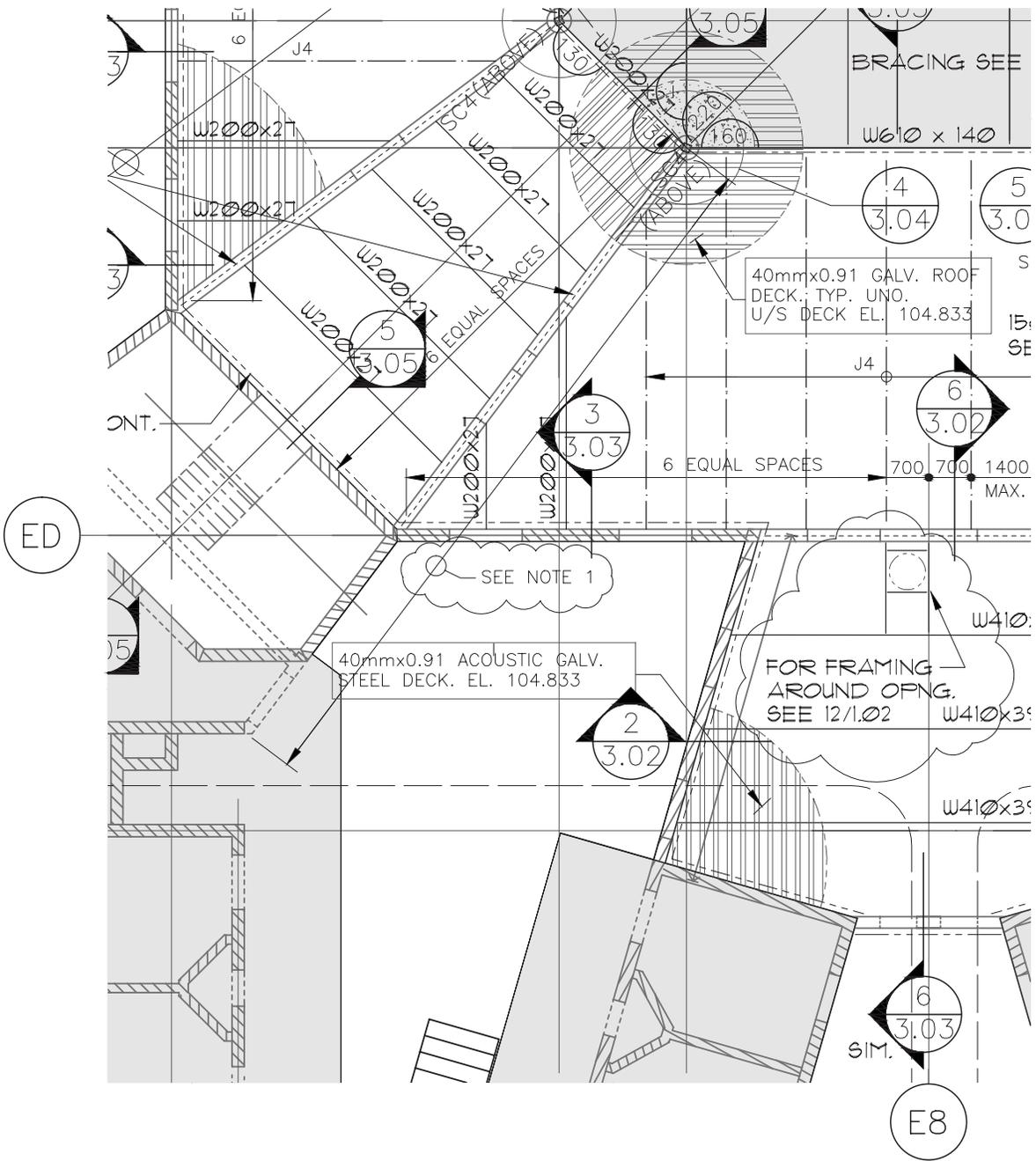
DATE 11/04/12	SCALE 1:1	DRN. PKL	CH'D. RH	PROJECT No. BBP 5575
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ON DWG. S2.02 NOTE 1 ADDED AS SHOWN ABOVE

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 REGIONAL TREATMENT CENTRE

SHEET No.

SSK-102



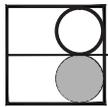
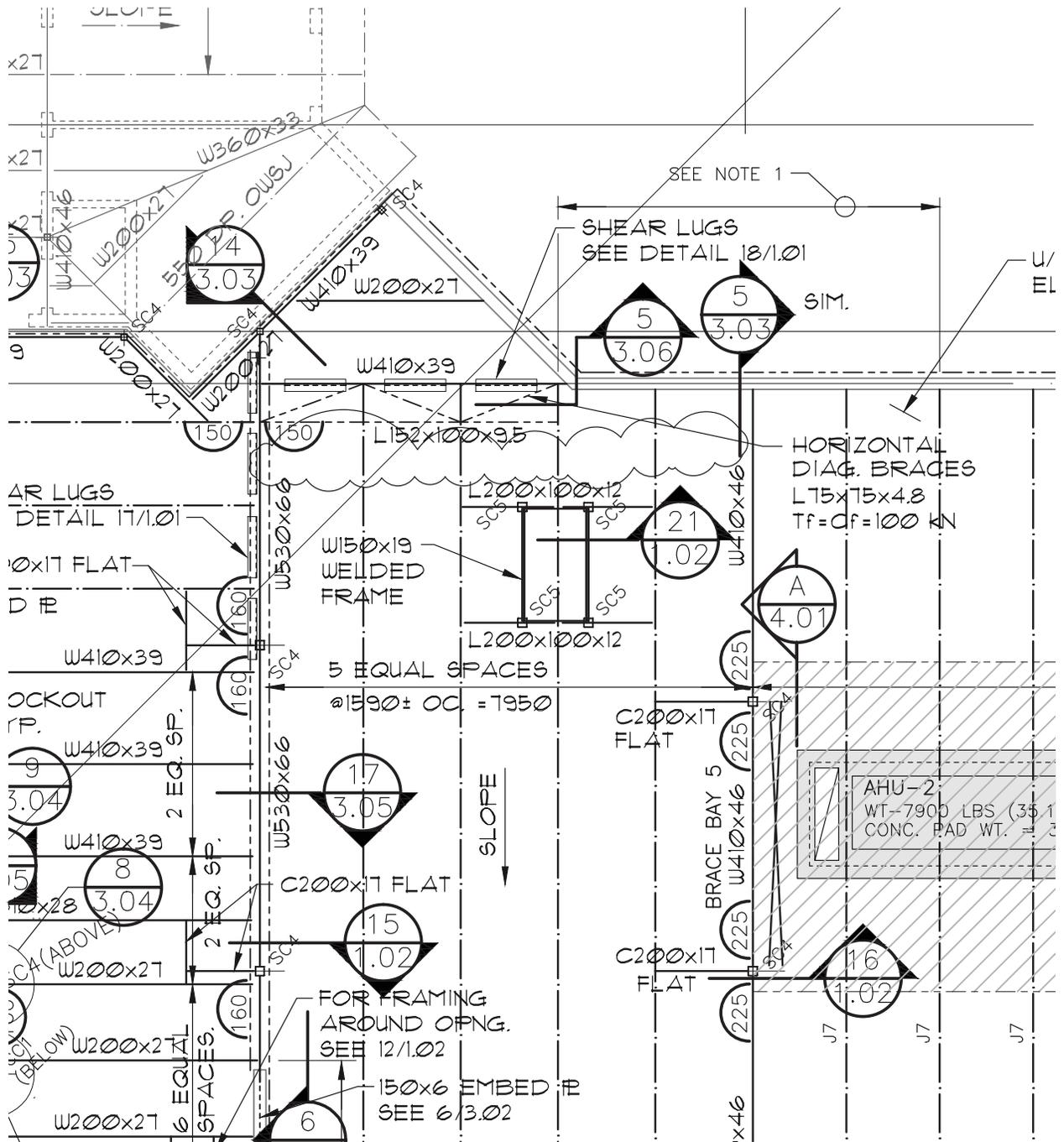
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 Tel: (604) 688-9861 Fax: (604) 688-7039 E-mail: info@bushbohlman.com

DATE 11/04/12	SCALE 1:1	DRN. PKL	CH'D. RH	PROJECT No. BBP 5575
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ON DWG. S2.02 NOTE 1 ADDED AS SHOWN ABOVE AND MECH. UNIT OPENING RELOCATED AS SHOWN ABOVE.

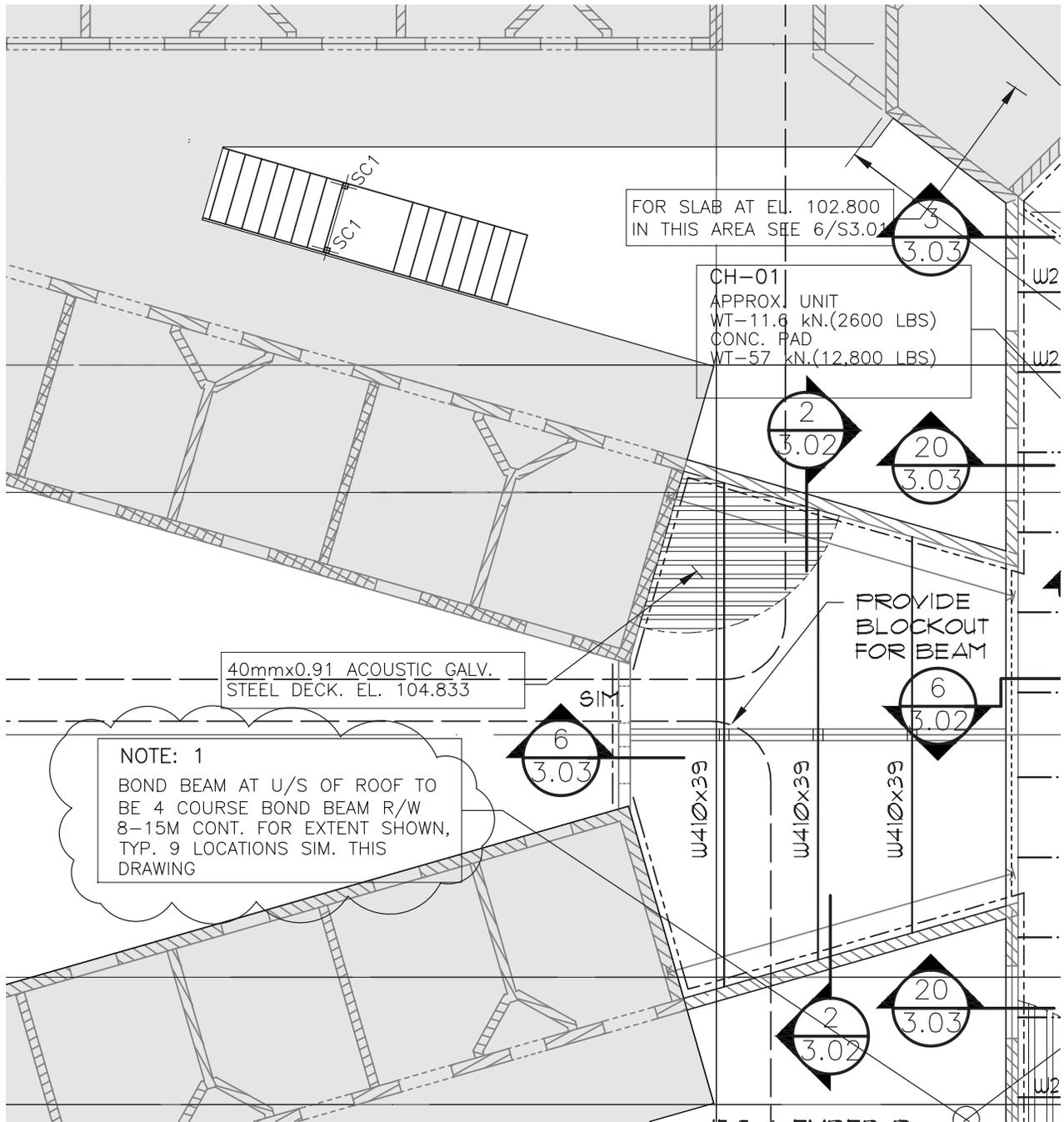
ABBOTSFORD, B.C. PACIFIC INSTITUTION REGIONAL TREATMENT CENTRE	SHEET No. SSK- 103
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DATE 11/04/12	SCALE 1:1	DRN. PKL	CH'D. RH	PROJECT No. BBP 5575
ON DWG. S2.02 NOTE 1 LOCATION DELETED AS SHOWN ABOVE				SHEET No.
ABBOTSFORD, B.C. PACIFIC INSTITUTION REGIONAL TREATMENT CENTRE				SSK- 104



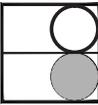
FOR SLAB AT EL. 102.800
IN THIS AREA SEE 6/S3.01

CH-01
APPROX. UNIT
WT-11.6 kN.(2600 LBS)
CONC. PAD
WT-57 kN.(12,800 LBS)

40mmx0.91 ACOUSTIC GALV.
STEEL DECK. EL. 104.833

NOTE: 1
BOND BEAM AT U/S OF ROOF TO
BE 4 COURSE BOND BEAM R/W
8-15M CONT. FOR EXTENT SHOWN,
TYP. 9 LOCATIONS SIM. THIS
DRAWING

PROVIDE
BLOCKOUT
FOR BEAM



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DATE 11/04/12	SCALE 1:1	DRN. PKL	CH'D. RH	PROJECT No. BBP 5575
ON DWG. S2.02 NOTE 1 REVISED AS SHOWN ABOVE				SHEET No.
ABBOTSFORD, B.C. PACIFIC INSTITUTION REGIONAL TREATMENT CENTRE				SSK- 105

MECHANICAL DRAWINGS

- 1.0 Drawing M2.01 In response to the RFI for make and model # for "MS-3" in room E1004-Jan shown on drawing M2.01. Revise sink label from "MS-3" to "MS-2" and refer to specification cut sheets attached for details of sink.

MECHANICAL QUESTIONS & ANSWERS

Question:

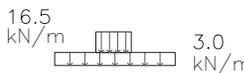
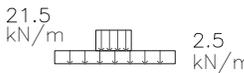
Please provide a make and model # for "MS-3" shown on drawing M2.01.
It is shown serving room E1004-Jan. Soiled.

Answer:

Question:

Please refer to gridlines -DD2/-ET on drawing S2.02, a W150x19 is shown for the frame. Detail 21/S1.02 shows a W150x30. Please clarify which profile to use.

OWSJ SCHEDULE

TYPE	DEPTH	DEAD LOAD (FACTORED)	LIVE LOAD (FACTORED)
J1	800	5.5 kN/m	6.0 kN/m
J2	450	3.0 kN/m	6.0 kN/m
J3	300	3.0 kN/m	6.0 kN/m
J4	550	3.0 kN/m	10.0 kN/m
J5	550	 16.5 kN/m 3.0 kN/m	10.0 kN/m
J6	750	2.5 kN/m	4.6 kN/m
J7	750	 21.5 kN/m 2.5 kN/m	 6.3 kN/m
J8	750	2.1 kN/m	4.0 kN/m

NOTES:

1. IN ADDITION TO THE FACTORED LOADS IN THE SCHEDULE, ALLOW FOR 4.5 kN. FACTORED TOP AND BOTTOM CHORD POINT LOAD AT ANY LOCATION.
2. DESIGN ALL OPEN WEB STEEL JOISTS (OWSJ) AND BRIDGING FOR A NET FACTORED UPLIFT OF 1.2 kPa.



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DATE
11/04/12

SCALE
1:1

DRN.
PKL

CH'D.
RH

PROJECT No.
BBP 5575

ON DWG. S2.04 OWSJ SCHEDULE REVISED AS SHOWN

SHEET No.

ABBOTSFORD, B.C.
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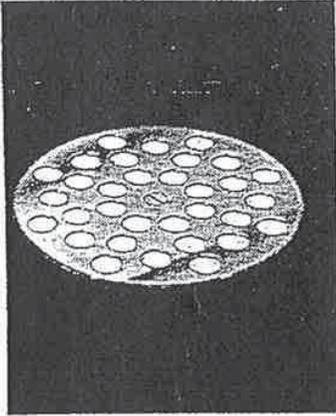
SSK –
107

American
Standard

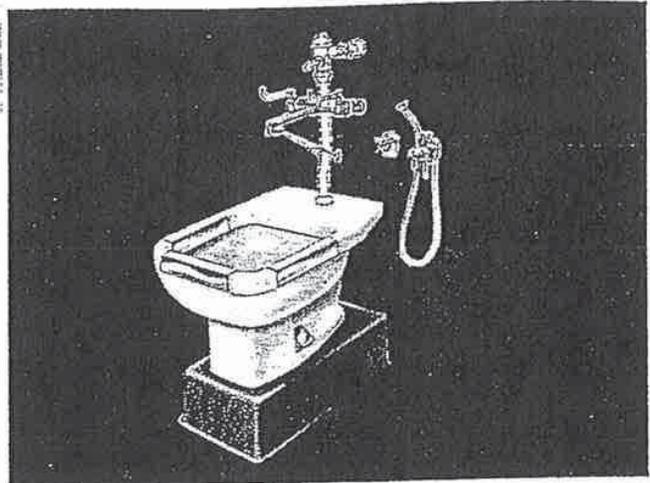
MS-2

Clinic Service Sink

Vitreous China Floor Mount Sink



GH-3764.0020
Cast metal loose strainer
AF-9512.0130 &
AF-9504.0100.
Clinic Service Sinks -
chrome finish.



AF-9504.010F

Vitreous china clinic service sink with syphon jet flush action and flushing rim. 1 1/2" (38mm) brass top inlet spud for use with flush valve. 4" (102mm) floor outlet. Stainless steel bolt coverplates.

NOTE: Minimum flushing pressure - 15 psi (103 kPa)

Nominal Dimensions

20" (508mm) wide
28" (711mm) front-to-back
18" (457mm) deep

Specifications

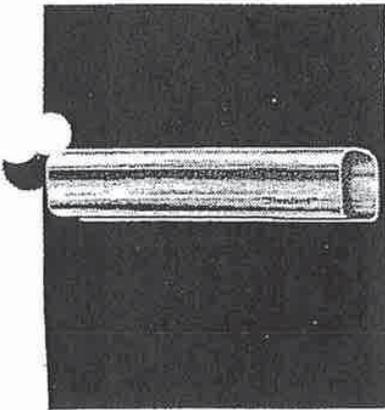
Shipping weight - 100 lbs. (45 kg.)

Optional Accessories

Base (by others) **

To Be Specified

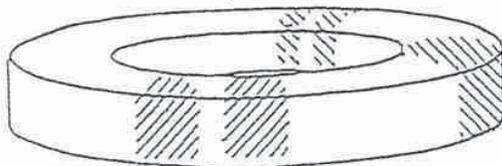
- Sink colour * WHITE
- Sink faucet †
- Bed pan cleanser †
- GH-7832.0170 Rim guard (3 required)
- GH-3764.0020 Strainer



GH-7832.0170
Rim Guard - spring moun
- 11" (279mm) for front &
sldes of AF-9512.0130 &
AF-9504.0100
- stainless steel.
GH-5977.0000
Rim Guard - clamp on typ
12" (305mm) - for enamel
cast iron service sinks.



5/16" x 2-1/4" solid brass
closet bolts c/w solid brass
nuts & washers



Single and Mixing Bedpan Cleansers

CAMBRIDGE BRASS®

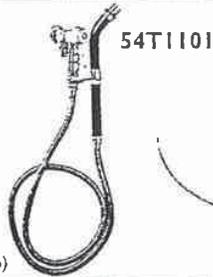
COMMERCIAL FAUCETS
DELTA

See Pages 6-2 for 54T1 Series Product Features

Specification: (example)

Cast brass, volume control valve, integral stop, polished chrome plated finish, Tuf-Teck institutional structure, color indexed, 70mm (2-3/4") ADA compliant lever blade handle, vandal resistant handle screw, rigid wall spout, spray bedpan outlet, insulated bent tube and handle, 1500mm (59") reinforced hose and hanger, and ...

- with ... (add control required)
- with ... (add spout required)
- with ... (add outlet required)
- with ... quick disconnect (add suffix QD if required - SEE Page 6-6)



54T1354A

Specification: (example)

Wallhung, forged brass, self close foot pedal valve, aluminum pedal, integral inlet/outlet stops, polished chrome plated finish, rigid wall spout, spray bedpan outlet, insulated bent tube and handle, 1500mm (59") reinforced hose and hanger, and ...

- with ... single or double valve, (as required)
- with ... (add spout required)
- with ... (add outlet required)

DESCRIPTION	PRODUCT NO.				
Volume Control Valves	54T1	1 & 2	0	4	
Foot Pedal Valves Only	54T1	3 & 4			A

CONTROL			SPOUT			OUTLET		
	0	✓	Use "0" in this column ONLY when Control "1" Specified	0	✓		0	✓
 Wallmounted Valve, Double-check Vacuum Breaker	1			1		 Check Valve Outlet, Less Stop	1	
 In-wall Valve with Integral Stop	2		 Spout End Vacuum Breaker Spout	2			2	
 Single Wallmount Valve	3		 Wallmounted Vacuum Breaker & Spout	3			3	
 Double Wallmount Valve	4		 Body Mounted Vacuum Breaker Spout	4		 With Self-close Stop	4	
	5		 Double-check Vacuum Breaker Spout	5			5	
	6		 Pressure Vacuum Breaker and Spout	6			6	
	7			7			7	
	8			8			8	
	9			9			9	

No. 6 Vacuum Breaker recommended for High Hazard Cross Connections and Continuous Pressure. Check with Local Code Authorities for proper cross flow protection requirements.

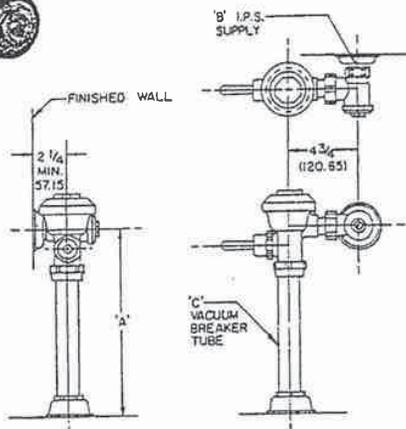
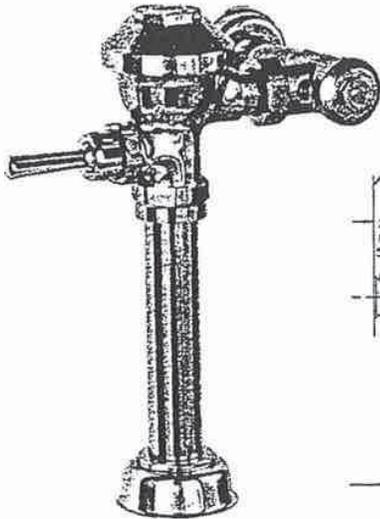
Note: Use this page front and back as a product submittal sheet.

Teck®



Exposed AQUAFLUSH for water closets

Z-6000 -YB-O



PRODUCT NUMBER	Dimensions in Inches/Metrics					
	A		B		C	
	In.	MM	In.	MM	In.	MM
Z-6000	11 1/2	292.10	1	25.40	1 1/2	38.10
Z-6000-1	16	406.40	1	25.40	1 1/2	38.10
Z-6000-2	24	609.60	1	25.40	1 1/2	38.10
Z-6000-3	27	685.80	1	25.40	1 1/2	38.10
Z-6000-4	As Specified		1	25.40	1 1/2	38.10

To specify water saver, use suffix -WS after product number.

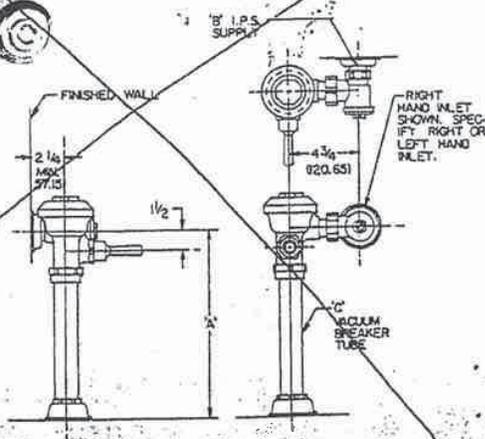
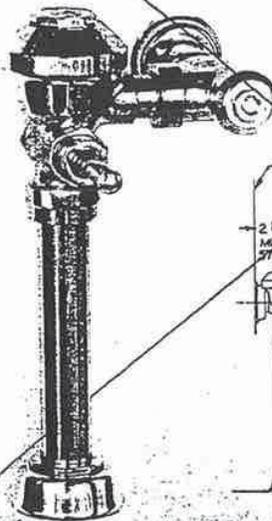
ENGINEERING SPECIFICATIONS

Z-6000

Exposed Aquaflush Closet Flush Valve

The Aquaflush valve is diaphragm operated and is made of brass with a polished chrome exterior. Aquaflush incorporates a non-hold-open type handle and 1-inch screwdriver operated angled stop valve with "Siphon-Gard" back check protection. The valve comes complete with vacuum breaker, 1 1/2-inch flush tube, wall escutcheon, fixture spud escutcheon and fixture spud securing nut.

Z-6000-H



PRODUCT NUMBER	Dimensions in Inches/Metrics					
	A		B		C	
	In.	MM	In.	MM	In.	MM
Z-6000-H	11 1/2	292.10	1	25.40	1 1/2	38.10
Z-6000-1-H	16	406.40	1	25.40	1 1/2	38.10
Z-6017-H	24	609.60	1	25.40	1 1/2	38.10
Z-6000-3-H	27	685.80	1	25.40	1 1/2	38.10
Z-6000-4-H	As Specified		1	25.40	1 1/2	38.10

To specify water saver, use suffix -WS after product number.

ENGINEERING SPECIFICATIONS

Z-6000-H

Front Actuated Exposed Aquaflush Closet Flush Valve

The Aquaflush valve is diaphragm operated and is made of brass with a polished chrome exterior. Aquaflush incorporates a front actuated non-hold-open type handle and 1-inch screwdriver operated angled stop valve with "Siphon-Gard" back check protection. The valve comes complete with vacuum breaker, 1 1/2-inch flush tube, wall escutcheon, fixture spud escutcheon and fixture spud securing nut.

ELECTRICAL SPECIFICATIONS

SECTION 26 33 53 – STATIC INTERRUPTIBLE POWER SUPPLY:

SUBSECTION 1.3 REFERENCES

SUBSECTION 1.3.4

1.0 Add point 8:

- .8 ES/STD-0805 Electronics Engineering Standard for Large Uninterruptible Power Supply (7+KVA/Single Phase/208VAC) for use in Federal Correctional Institutions.

SUBSECTION 1.5 REQUIREMENTS

SUBSECTION 1.5.2.3

2.0 Delete point 3 entirely, replace with the following:

- .3 UPS battery capacity shall be 60 minutes at 100% of the UPS Continuous Output Rating.

SUBSECTION 2.1.1

3.0 Add point 8:

- .8 Regardless of the UPS voltage rating as referenced in the ES/STD-0805 standard, all other requirements shall be met.

SUBSECTION 2.9 UPS MONITORING AND DIAGNOSTICS

SUBSECTION 2.9

4.0 Add point 3:

- .3 Provide internal UPS Network Management Interface Card for remote monitoring and control of the UPS through the CSC LAN network. Interface card to be TCP/IP capable. Interface card to support SNMP protocols. Provide all operating system drivers and application software.

ELECTRICAL DRAWINGS

1.0 E002:

- 1.1 Clarify size of the UPS. Unit to be 16kW / 20kVA 120/208V 3PH 4W. Adjust breaker and wire size to suit

2.0 E231:

- 2.1 Delete the Cell Call Originating Device (COD) device rough-in requirements at the bed/window location for all cell rooms on Level Two, only, and in Wings A, B, C and D respectively.

ELECTRICAL QUESTIONS & ANSWERS

Question:

“Please clarify the extent to which any obsolete services are to be removed. On the Electrical Drawings it specifies that “all disused or abandoned conduits are to be removed”. Under 31 23 33.01 of the specifications, Section 1.6.3 it states “Remove obsolete buried services within 2m of Foundations”. Do we need to find locate and/or remove any obsolete services or conduits outside of the 2m area of the foundation?”

Answer:

No.

Question:

“Please clarify the following items on section 01 11 00 – Summary of Work – that is to be done by the Site Prep and Site Services contractor and NOT included in the base bid:

- a. Item 1.3.2.1
 - vi. Is the Removal of existing conduits included, please see the attached image from Drawing E101?”

Answer:

No, all work described on the Drawing E101 and applicable Keynotes is to be performed by others.

End of Addendum 1

Correctional Service Canada
Technical Services Branch
Electronic Security Systems Division

ES/STD-0805
Revision 1
19 September 2011

**ELECTRONICS ENGINEERING
STANDARDS**

**LARGE UNINTERRUPTIBLE POWER SUPPLY
(7+kVA/Single Phase/208VAC)
FOR USE IN
FEDERAL CORRECTIONAL INSTITUTIONS**

AUTHORITY

This Specification is approved by the Correctional Service Canada for the procurement and installation of a Security Patrol System in Canadian federal correctional institutions.

Recommended corrections, additions or deletions should be addressed to the Design Authority at the following address:

Director, Electronic Security Systems
Correctional Service of Canada
340 Laurier Avenue West,
Ottawa, Ontario
K1A 0P9

Prepared by:



Project Officer,
Electronic Security Systems

Approved by:



Director,
Electronic Security Systems

RECORD OF REVISIONS

Revision	Paragraph	Comment
0	N/A	Original issue.
1	5 6	Expanded power capacities Clarified Design Requirements

CONTENTS

CONTENTS	2
ABBREVIATIONS	4
1 SCOPE	5
2 GENERAL	5
3 ENVIRONMENTAL REQUIREMENTS	5
4 INPUT POWER REQUIREMENTS	5
5 MECHANICAL REQUIREMENTS	5
6 DESIGN REQUIREMENTS	5
7 TECHNICAL REQUIREMENTS	6
8 FUNCTIONAL REQUIREMENTS	6
9 INTERFERENCE	6
10 SAFETY	7

ABBREVIATIONS

The following abbreviations are used in this specification:

CER	Common Equipment Room
CSC	Correctional Service Canada
FAAS	Facility Alarm Annunciation System
MCCP	Main Communications and Control Post
SNMP	Simple Network Management Protocol
TCP/IP	Transport Control Protocol/Internet Protocol
UPS	Uninterruptible Power Supply

1 SCOPE

This standard defines the technical and performance requirements of the Correctional Service of Canada (CSC) for large (7 KVA or greater) Uninterruptible Power Supplies (UPSs) for use in federal correctional institutions.

2 GENERAL

Electronic security systems are run from mains power. Most institutions have generators to provide emergency power for essential security systems during loss of mains power. The UPS provides power while the generator is brought on line. It also performs a filtering and regulation function to protect the connected systems from voltage fluctuations and spikes. The UPS uses mains power when available to keep batteries recharged and to provide power when the mains supply fails.

3 ENVIRONMENTAL REQUIREMENTS

The UPS shall operate in the following conditions:

- a) Temperature: 0°C to 40°C; and
- b) Humidity: 0% to 95% non-condensing.

4 INPUT POWER REQUIREMENTS

The UPS shall accept the following input power conditions:

- a) Voltage: 208 VAC \pm 15%; and
- b) Frequency: 60 Hz \pm 3%.

Any change outside the above limits shall not damage the system. Note that the required supply circuit is approximately 30 A for every 4 KVA.

5 MECHANICAL REQUIREMENTS

The maximum dimensions, including external batteries, shall be:

- a) Height: 100 cm + 75cm for every 4 KVA over 8 KVA;
- b) Width: 50 cm;
- c) Depth: 100 cm; and
- d) Weight: 600 kg + 250kg for every 4 KVA over 8 KVA

6 DESIGN REQUIREMENTS

The UPS shall:

- a) Operate in an inline, double conversion mode;
- b) Exhibit an input power factor of 0.98 or better;
- c) Power conversion efficiency at full load of 90% or better;
- d) Provide a minimum of 60 minutes of power at full load;
- e) Provide a TCP/IP interface;
- f) Support SNMP management capability over a TCP/IP interface;
- g) Provide a web-based interface to configure all UPS settings;
- h) Provide a web-based interface to view all the below listed status with a minimum 1 week history;
- i) Provide a bypass capability for hot swap of batteries;
- j) Provide a bypass capability for hot swap of the converter;
- k) Auto self-test configurable to test at least once every 7 days;

- l) Provide a configurable, audible, time low battery warning;
- m) Provide a configurable, audible, fault alarm;
- n) Provide drivers for Windows and Linux systems to command computer system shutdown on low battery warning over TCP/IP;
- o) Recharge batteries to 90% or more within 12 hours;
- p) Handle 110% load for at least 1 minute;
- q) Have an MTBF of at least 5 years;
- r) Have labels identifying the manufacturer, model or assembly number, serial number, and mains power requirements permanently affixed to the exterior of the unit, and
- s) Report the following status to the FAAS over TCP/IP:
 - i. Bypass;
 - ii. Low battery; and
 - iii. Systems faults.

The UPS shall be rated and capable of operation 24 hours per day, seven days a week. The expected operational life span shall be a minimum of 10 years.

7 TECHNICAL REQUIREMENTS

The UPS shall provide output power with the following requirements:

- a) Voltage: 208 VAC \pm 5%;
- b) Frequency: 60 Hz \pm 3%;
- c) Regulation: <3% nominal voltage over the full load range;
- d) Design Power Factor: 0.8 lagging to 0.8 leading;
- e) Harmonic Distortion: <7% Total Harmonic Distortion over the full load range;
- f) Filtering: RF filters on power inputs and outputs;
- g) Synchronization: Automatic synchronization to acceptable mains input frequencies;

8 FUNCTIONAL REQUIREMENTS

The UPS shall:

- a) Provide status display on the web interface and on the UPS of:
 - iv. UPS on/off (on UPS only);
 - v. Battery charging/operation;
 - vi. Bypass on/off;
 - vii. Low battery alarm;
 - viii. System faults;
 - ix. Input voltage;
 - x. Input current;
 - xi. Output voltage; and
 - xii. Output current.
- b) Provide the following controls on the UPS:
 - a. Manual bypass;
 - b. DC breaker; and
 - c. UPS on/off.

9 INTERFERENCE

Performance of the UPS shall not be affected by the use of standard electronic equipment used at the institution. Distance limits of standard electronic equipment are as follows:

- a) 5 watt CB transceivers at 1 metre or more;
- b) 6 watt VHF and UHF transceivers at 1 metre or more;
- c) 25 mW 420-430 MHz Personal Portable Transmitters at 1 metre or more;
- d) Other radio frequency transmitting, receiving and distribution equipment at 5 metres or

- more; and
- e) Personal computer and/or computer work stations at 5 metres or more.

10 SAFETY

The UPS shall meet the applicable CSA &UL standards for power conversion equipment in a controlled environment.

