

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid Receiving
- PWGSC
1550, Avenue d'Estimauville
1550, D'Estimauville Avenue
Québec
Québec
G1J 0C7

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
TPSGC-PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Building Security Work	
Solicitation No. - N° de l'invitation EE474-150782/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client EE474-15-0782	Date 2014-10-08
GETS Reference No. - N° de référence de SEAG PW-\$QCM-004-16102	
File No. - N° de dossier QCM-4-37144 (004)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-10-16	Time Zone Fuseau horaire Heure Avancée de l'Est HAE
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: Fournier, Caroline	Buyer Id - Id de l'acheteur qcm004
Telephone No. - N° de téléphone (418) 649-2826 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: TRAVAUX PUBLICS ET SERVICES GOUVERNEMENTAUX CANADA 2560 boul. Hochelaga Agriculture Agroalimentaire Cda QUEBEC Québec Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée Voir Doc.	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

EE474-150782/A

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

EE474-15-0782

Amd. No. - N° de la modif.

003

File No. - N° du dossier

QCM-4-37144

Buyer ID - Id de l'acheteur

qcm004

CCC No./N° CCC - FMS No/ N° VME

AMENDMENT # 3

Included in the present amendment:

1.

Addendum # 1

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

**Caroline Fournier
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
1550 D'Estimauville avenue, Quebec, (Quebec)
G1J 0C7
Telephone: (418) 649-2826
Facsimile: (418) 648-2209
E-mail address: caroline.fournier@pwgsc-tpsgc.gc.ca**

Date : October 8, 2014

Projet : Building 2560, boulevard Hochelage, Sainte-Foy
Public Works and Government Services Canada Security

N/Réf. : 131-12452-00

☒ **Electricity** ☒ **Civil**

ADDENDA N° 1

All tenders have to make acquainted with precisions, additional informations or modifications following in the present addendum, who is part and parcel of plans and specification. This addendum have six pages of text, section 01 74 21, section 08 80 50 and six extract pages plans.

DEVIS

1. Réf. : Section 01 33 00

- a) The header is translated into english.
- b) Article 1.2.1 is cancelled.
- c) Article 1.2.22, change Public Works and Government Services Canada (PWGSC) by Departmental Representative.
- d) Article 1.2.22.1, change PWGSC by Departmental Representative.
- e) Article 1.6.1, change « award of Contract » by « notice of acceptance of Offer ».
- f) Article 1.6.2 is cancelled.

2. Réf. : Section 01 35 29.06

- a) The header is translated into english.
- b) Article 1.2.3 should be read as : « Submit everyday...»

3. Réf. : Section 01 45 00

- a) The header is translated into english.
- b) Article 1.4.3, change Owner by Departmental Representative.

4. Réf. : Section 01 52 00

- a) The header is translated into english.
- b) Article 1.1.2 is cancelled.
- c) Article 1.7.1, add « The Departmental Representative will advise the Contractor the parking area allocated to him ».
- d) Article 1.7.3 is cancelled.
- e) Article 1.8.1 should be « Hire staff to ensure, after working hours and days off, security, site and materials supervision, and pay for it at the request of the Departmental Representative. »
- f) Article 1.9 should be :

1.9 OFFICES

- .1 Departmental Representative will allocate a site office bureau, if required, to the Contractor at his request.
 - .2 Provide marked and fully stocked first-aid case in a readily available location.
 - .3 Subcontractors to provide their own offices as necessary. Direct location of these offices, with the approval of Departmental Representative.
 - .4 Keep the premises clean.
- g) Article 1.13.1 should be :
 - .1 Provide access and temporary relocated roads as necessary to maintain access to parking and loading dock.
 - h) Article 1.13.6 becomes 1.3.7 and the new article 1.3.6 reads as follows:
 - .6 The contractor shall repair damaged road cause by work.
 - i) Article 3.1 is cancelled.

5. Réf. : Section 01 73 00

- a) The header is translated into english.
- b) Article 1.4.5 is added :
 - .5 Make openings in non-carrier walls for the mechanical and electrical ducts.
- c) Article 1.4.10 becomes 1.4.11 and should be :
 - .11 All conduits for power or communication cables will have to be attached to the structure, as highly as possible. No pipe should be left unattached.

6. Réf. : Section 01 74 11

- a) Article 1.1.1 is cancelled.
- b) Article 1.2.1, remove « other than ».
- c) Article 1.3.15 is cancelled.
- d) Article 1.3.18 is cancelled.

7. Réf. : Section 01 74 21

- a) The section is reissued.

8. Réf. : Section 01 77 00

- a) The header is translated into english.
- b) Article 1.1.4.2, change Owner by Departmental Representative.
- c) Article 1.2 should be read :

1.2 FINAL CLEANING

- .1 Clean in accordance with Section 01 74 11 - Cleaning.
 - 1. Remove surplus materials, excess materials, rubbish, tools and equipment.
- .2 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

9. Réf. : Section 01 78 00

- a) The header is translated into english.
- b) Article 1.4.1.1 should be read :
 - .1 Table of Contents for Each Volume: provide title of project;
 - 1. Date of submission;
 - 2. Names, addresses, and telephone numbers of Departmental Representative and Contractor with name of responsible parties;
 - 3. Schedule of products and systems, indexed to content of volume.
- c) Article 1.6.5, should be read :
 - .5 Other Documents: maintain manufacturer's certifications, inspection certifications, required by individual specifications sections.
- d) Articles 1.7.2 and 1.7.7 are cancelled.

10. Réf. : Section 01 91 13

- a) The header is translated into english.
- b) Article 1.5.2, remove « .2 » before « During Construction ».
- c) Article 1.9.4 should be read :
 - .1 At 60 % construction completion stage. Departmental Representative to call a separate Cx scope meeting to review progress, discuss schedule of equipment start-up activities and prepare for Cx. Issues at meeting to include :
- d) Article 1.10, remove the number 1.11 on the title.
- e) Article 1.11 :
 - Remove the number 1.12 on the title;
 - Replace 17 day's by 7 day's.

11. Réf. : Section 02 41 13

- a) Article 1.6.2.1, remove « in accordance with Section 01 32 16.06 - Construction Progress Schedule—Critical Path Method » from the text.
- b) Article 1.8.1.1 is cancelled.
- c) Article 3.1.4.3, change Departmental by Departmental Representative.

12. Réf. : Section 08 80 50

- a) Reissued with corrected sequential numbering of each article.

13. Réf. : Section 26 05 00

- a) Article 1.9.2, change Subcontractor by Contractor.
- b) Article 2.9.8.1, the reference to the Sika-Flex brand is removed.

14. Réf. : Section 26 50 00

- a) Article 3.1.11, the section number reference should be 26 05 00.

15. Réf. : Section 31 23 33.01

- a) Article 3.9.19, change Engineer by Departmental Representative.
- b) Article 3.9.20.2.1, change Engineer by Departmental Representative.
- c) Article 3.9.20.2.2, change Engineer by Departmental Representative.
- d) Article 3.9.20.2.7, change Engineer by Departmental Representative.

- e) Article 3.12.1, change Owner by Departmental Representative.
 - f) Article 3.12.2, change Owner by Departmental Representative.
 - g) Article 3.12.4, change Engineer by Departmental Representative.
 - h) Article 3.12.5, change Engineer by Departmental Representative.
16. Réf. : Section 32 11 10.01
- a) Article 1.1.1 is cancelled.
17. Réf. : Section 32 16 15
- a) Article 1.1.1 & 2.1.1 & 2.1.3 & 3.3.2 & 3.6.2 : All reference to section 03 30 00 are replace by « BNQ 1809-500 – Travaux de construction de trottoirs et bordures en béton, dernière version ».
 - b) Article 1.4.1.1, the section number reference should be 01 74 21.
 - c) Article 2.1.2 : Reference to section 03 20 00 is replace by « BNQ 1809-500 – Travaux de construction de trottoirs et bordures en béton, last version ».
 - d) Article 2.1.4 should be read : « Granular sub-base : materials to Section 32 11 10.01 – Granular sub-base ».
 - e) Article 2.1.6 should be read : « Fill materials : materials to Section 32 11 10.01 – Granular sub-base ».
18. Réf. : Section 32 91 19.13
- a) Article 3.6.2, change Owner's Representative by Departmental Representative.
19. Réf. : Section 32 92 23
- b) Article 1.2 is cancelled.

PLAN

1. Réf. : Plan E2
- a) Modification of french text. See extract of plan E2/8-1.
2. Réf. : Plan E6
- a) Modification of detail « Basement access #0.2 ». See extract of plan E6/8-1.
 - b) Modification of detail « Basement access #0.3 ». See extract of plan E6/8-2.
 - c) Modification of detail « Ground floor access #1.1 ». See extract of plan E6/8-3.

- d) Modification of detail « Ground floor access #1.2 ». See extract of plan E6/8-4.
- e) Modification of detail « Ground floor access #1.5 ». See extract of plan E6/8-5.

Samuel Parenteau, eng.



2014-10-08

CONSTRUCTION/DEMOLITION
WASTE MANAGEMENT AND DISPOSAL

PART 1 - GENERAL

1.1 WASTE MANAGEMENT
GOALS

- .1 Prior to start of Work conduct meeting with Departmental Representative to review and discuss PWGSC's waste management goal and Contractor's proposed Waste Reduction Workplan for Construction, Renovation and /or Demolition (CRD) waste to be project generated.
- .2 Minimize amount of non-hazardous solid waste generated by project and accomplish maximum source reduction, reuse and recycling of solid waste produced by CRD activities.
- .3 Protect environment and prevent environmental pollution damage.

1.2 REFERENCES

- .1 Class III: non-hazardous waste - construction renovation and demolition waste.
- .2 Cost/Revenue Analysis Workplan (CRAW): based on information from Waste Reduction Workplan, and intended as financial tracking tool for determining economic status of waste management practices.
- .3 Audit demolition waste (ADD): Applies to waste actually generated by the work.
- .4 Inert Fill: inert waste - exclusively asphalt and concrete.
- .5 Waste Source Separation Program (WSSP): implementation and co-ordination of ongoing activities to ensure designated waste materials will be sorted into pre-defined categories and sent for recycling and reuse.
- .6 Recyclable: ability of product or material to be recovered at end of its life cycle and re-manufactured into new product for reuse.
- .7 Recycle: process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.
- .8 Recycling: process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for purpose of using in altered form. Recycling does not include burning, incinerating, or thermally destroying waste.

CONSTRUCTION/DEMOLITION
WASTE MANAGEMENT AND DISPOSAL

- .9 Reuse: repeated use of product in same form but not necessarily for same purpose. Reuse includes:
 - .1 Salvaging reusable materials from re-modelling projects, before demolition stage, for resale, reuse on current project or for storage for use on future projects.
 - .2 Returning reusable items including pallets or unused products to vendors.
- .10 Salvage: removal of structural and non-structural materials from deconstruction/disassembly projects for purpose of reuse or recycling.
- .11 Separate Condition: refers to waste sorted into individual types.
- .12 Source Separation: act of keeping different types of waste materials separate beginning from the point they became waste.
- .13 Waste Audit (WA): detailed inventory of estimated quantities of waste materials that will be generated during construction, demolition, deconstruction and/or renovation. Involves quantifying by volume/weight amounts of materials and wastes that will be reused, recycled or landfilled.
- .14 Waste Management Co-ordinator (WMC) : contractor representative responsible for supervising waste management activities as well as co-ordinating required submittal and reporting requirements.
- .15 Waste Reduction Workplan (WRW): written report which addresses opportunities for reduction, reuse, or recycling of materials generated by project. Specifies diversion goals, implementation and reporting procedures, anticipated results and responsibilities. Waste Reduction Workplan information acquired from Waste Audit.

1.3 ACTION AND
INFORMATIONAL
SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.

1.4 WASTE SOURCE
SEPARATION PROGRAM
(WSSP)

- .1 As part of Waste Reduction Workplan, prepare WSSP prior to project start-up.

CONSTRUCTION/DEMOLITION
WASTE MANAGEMENT AND DISPOSAL

- .2 WSSP will detail methodology and planned on-site activities for separation of reusable and recyclable materials from waste intended for landfill.
- .3 Provide list and drawings of locations that will be made available for sorting, collection, handling and storage of anticipated quantities of reusable and recyclable materials.
- .4 Provide sufficient on-site facilities and containers for collection, handling, and storage of anticipated quantities of reusable and recyclable materials.
- .5 Locate containers to facilitate deposit of materials without hindering daily operations.
- .6 Locate separated material[s] in area[s] which minimizes material damage.

1.5 STORAGE, HANDLING
AND PROTECTION

- .1 Store, materials to be reused, recycled and salvaged in locations as directed by Departmental Representative.
- .2 Unless specified otherwise, materials for removal become Contractor's property.
- .3 Protect, stockpile, store and catalogue salvaged items.
- .4 Separate non-salvageable materials from salvaged items. Transport and deliver non-salvageable items to licensed disposal facility.
- .5 Support affected structures. If safety of building is endangered, cease operations and immediately notify Departmental Representative.
- .6 Separate and store materials produced during project in designated areas.
- .7 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated processing facilities.
 - .1 On-site source separation is recommended.
 - .2 Remove co-mingled materials to off site processing facility for separation.

1.6 DISPOSAL OF WASTES

- .1 Do not bury rubbish or waste materials.

CONSTRUCTION/DEMOLITION
WASTE MANAGEMENT AND DISPOSAL

- .2 Do not dispose of waste volatile materials, mineral spirits, oil, paint thinner into waterways, storm, or sanitary sewers.
- .3 Remove materials on-site as Work progresses.

1.7 USE OF THE
PREMISES AND
FACILITIES

- .1 Perform work in minimal disruption to the normal use of the premises.
- .2 Implement safety interim measures approved by the Departmental Representative.

1.8 SCHEDULING

- .1 Coordinate Work with other activities at site to ensure timely and orderly progress of Work.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not Used.

PART 3 - EXECUTION

3.1 APPLICATION

- .1 Do Work in compliance with WRW.
- .2 Handle waste materials not reused, salvaged, or recycled in accordance with appropriate regulations and codes.

3.2 CLEANING

- .1 Upon completion remove surplus materials, rubbish, tools and equipment. Leave the place clean.
- .2 Leave Work area clean at end of each day.
- .3 Separate waste materials for reuse and recycling and place them at indicated location.

3.3 COST/REVENUE
ANALYSIS WORKPLAN
(CRAW) PLAN D'ANALYSE
COÛTS-REVENUS (PACR)

- .1 Cost-income analysis plan

CONSTRUCTION/DEMOLITION
 WASTE MANAGEMENT AND DISPOSAL

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material description	Total quantity (unit)	Volume (cumul.)	Weight (cumul.)	Cost/ elimination income(±) \$	Sub-total per category (±) \$	Cost/ income (±) \$
Wood elements						
Wood posts						
Plywood elements						
Baseboards - woods						
Joineries of doors – Wood						
Furniture storage						
Doors and windows						
Ordinary pannels						
Ordinary slabs						
Laminate - Wood						
Folding Doors - Cupboards						
Glazing						

3.4 CANADIAN
 GOVERNMENTAL
 DEPARTMENTS CHIEF
 RESPONSIBILITY FOR THE
 ENVIRONMENT

.1 Government Chief Responsibility for the Environment:

Ministère de l'Environnement et de la Faune
 Siège social
 150, boul. René-Lévesque Est
 Québec (Québec) G1R 4Y1

418-643-3127

Conseil de la conservation et de l'environnement
 800, place d'Youville
 19^e étage
 Québec (Québec) G1R 3P4

418-646-5974

End of section

GLAZING

PART 1 - GENERAL

1.1 ADMINISTRATIVE
PROCEDURES

- .1 At the earliest opportunity and in a predetermined sequence, to avoid delaying execution of Work, submit required documents and samples to Departmental Representative, for examination purposes. Delays in that regard shall not constitute a sufficient reason to obtain an extension to the execution of Work, and no such request shall be accepted.

PART 2 - GENERAL

2.1 RELATED SECTIONS

- .1 Section 08 14 10 – Flush Wood Doors.

2.2 REFERENCES

- .1 CGSB 19-GP-5 Sealing Compound, One Component, Acrylic Base, Solvent Curing.
- .2 CAN/CGSB-19.13, Sealing Compound, One-Component, Elastomeric, Chemical Curing.
- .3 CAN2-12.2, Glass, Sheet, Flat, Clear.
- .4 CAN2-12.8, Insulating Glass Units.
- .5 CAN/CGSB-12.1, Tempered or Laminated Safety Glass.

2.3 DATA SHEETS

- .1 Submit data sheets for all proposed products in compliance with Section 01 33 00 – Submittal Procedures.

2.4 GUARANTEES

- .1 Provide a written document, signed and issued in Owner's name, stipulating that all insulated glazing panels are guaranteed against any loss of watertightness in the enclosed air space and that all glazing prescribed in this section is guaranteed against any defect that could affect vision, for a period of ten (10) years starting on date of signature of Final Acceptance Certificate.

2.5 PERFORMANCE
CHARACTERISTICS

- .1 Maintain a continuous air barrier and vapor retarder within the building envelope using glazing materials as follows:

GLAZING

.2 Interior pane of multiple sealed glazing elements forms continuous air and moisture seal.

.3 Glazing size must be determined to withstand dead loads and wind loads as well as wind pressure and suction strengths acting perpendicularly on glazing, at a nominal pressure according to calculations made in accordance with AINSI/ASTM E330.

.4 Limit glass deflection to 1/200 or flexure limit of glass, without any change to physical properties of glazing materials.

PART 3 - PRODUCTS

3.1 MATERIALS

.1 Tempered safety glass: to CAN-12.1, type 1, class A, transparent, 6mm thick.

.2 Wired glass: to CAN/CGSB-12.11, 6 mm thick.

.1 Type 1- Polished both sides (transparent).

.2 Wire mesh: square.

3.2 GLAZING AND SEALING MATERIALS

.1 Only products on the List of Qualified Products published by CGSB are acceptable for the purposes of this Work.

.2 Sealant: sealing compound, one-component, silicone base, solvent curing, compliant with CGSB 19 GP 18M -77 standard, colour chosen by Architect.

.3 Glazing tape: preformed butyl tape, 3.2 mm face clearance where required, hardness: 10-15 durometer Shore A, with removable release paper, body-colour front and required dimensions.

.4 Setting blocks: neoprene, 70 Shore A durometer hardness, 1000 mm long x 6 mm high, width appropriate to glazing thickness.

.5 Removable stops: neoprene 50 Shore A durometer hardness, dimensions appropriate to glazing.

.6 Glazing bead: widely manufactured neoprene or polyvinylchloride, designed for dry glazing method, appropriate for profiles, colour chosen by Architect.

.7 Primer-sealer and cleaning products: compliant with glazing manufacturer's standards.

GLAZING

PART 4 - EXECUTION

4.1 EXECUTION QUALITY

- .1 Remove protective covering, clean contact surfaces with solvent and wipe dry.
- .2 Place setting blocks according to manufacturer's instructions.
- .3 Rest glazing on setting blocks and push against tape for full contact at perimeter of unit.
- .4 Place removable glazing bead. Avoid moving glazing tape or sealant.
- .5 Leave at least 3 mm clearance on edges.
- .6 Install removable stops, spacer shims inserted between glazing and applied stops at 600 mm intervals, 6 mm below sight line.
- .7 Do not cut or grind tempered, heat treated or coated glass.

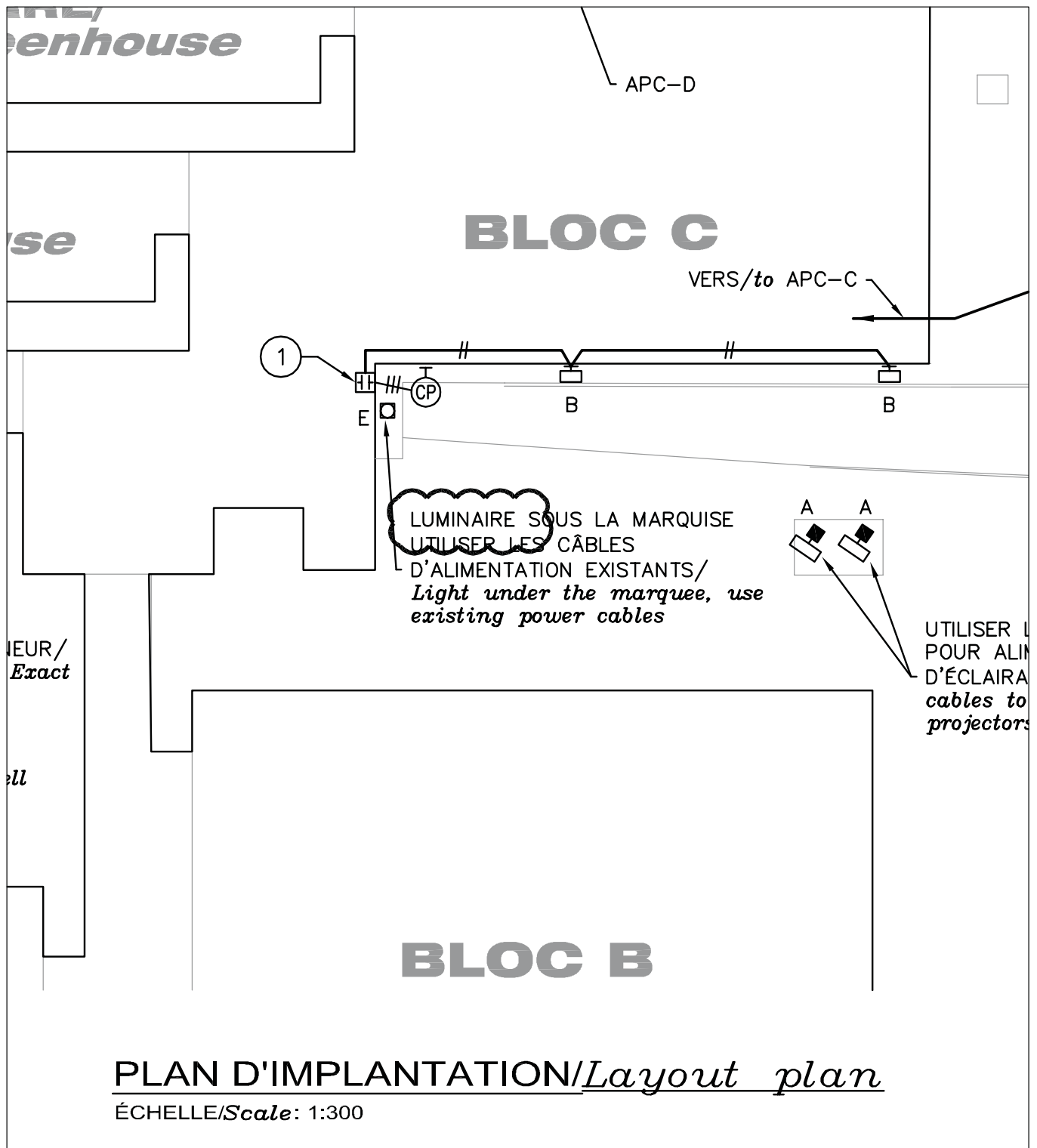
4.2 INTERIOR GLAZING

- .1 Dry method-glazing tape/glazing tape
 - .1 Cut glazing tape to appropriate length and apply to permanent glazing bead, extending it over the sight line by 1.5 mm.
 - .2 Apply glazing tape around the edges of the glass as indicated above.
 - .3 Install and screw removable glazing bead.

4.3 FINISHES

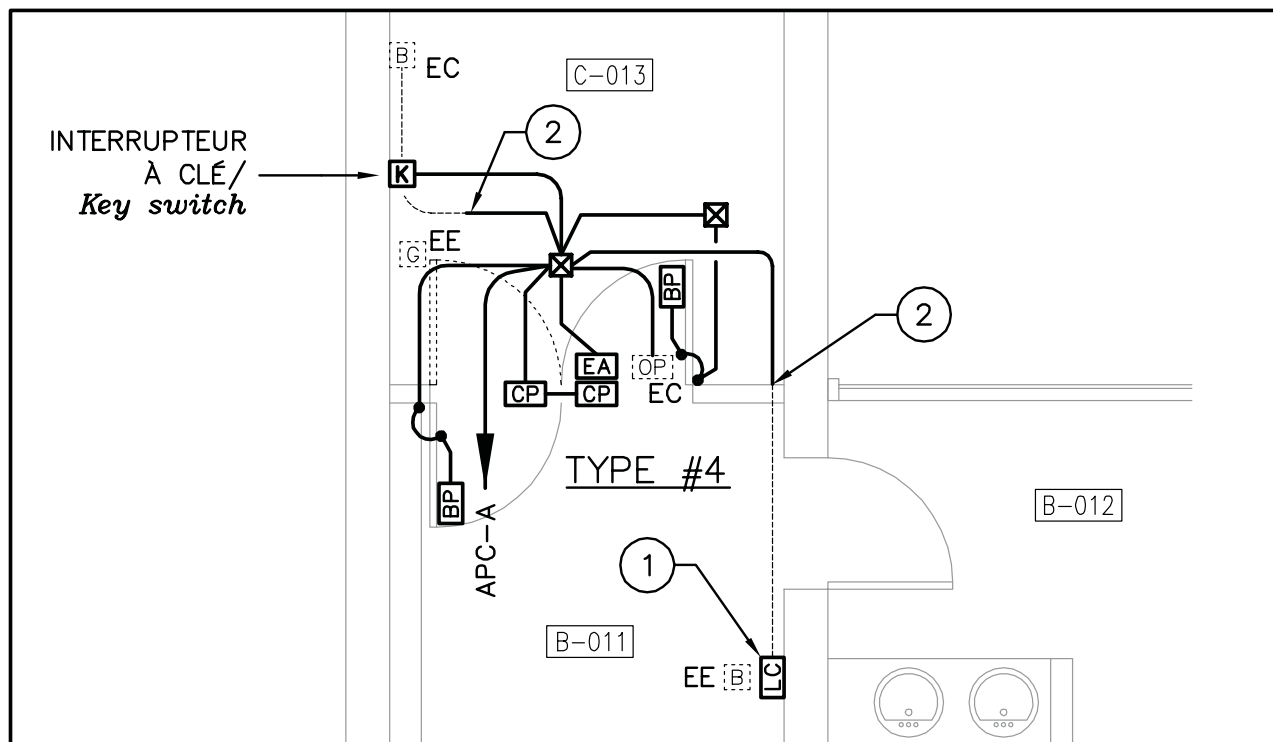
- .1 Immediately clean finished surfaces by removing mastic droppings and sealant drops. Once Work is completed, remove labels.

END OF SECTION



1300, BOULEVARD DE LA RIVE-SUD, BUREAU 401
LÉVIS (QUÉBEC) CANADA G6W 5M8
TÉLÉPHONE: 418 839-1733 | TÉLÉCOPIEUR: 418 839-8407
WWW.WSPGROUP.COM

PROJET : SÉCURITÉ DU BÂTIMENT-AGRICULTURE ET AGROALIMENTAIRE CANADA 2560 BOUL. HOCHELAGA, QUÉBEC		EXTRAIT POUR :
TITRE : MÉCANIQUE / ÉLECTRIQUE IMPLANTATION CONSTRUCTION		ADDENDA : NO 1 <input checked="" type="checkbox"/>
DESSINÉ PAR : U. LEMIEUX		DIRECTIVE : <input type="checkbox"/>
VÉRIFIÉ PAR : S. PARENTEAU ing.		ORDRE DE CHANGEMENT : <input type="checkbox"/>
ÉCHELLE : 1:300		DU FEUILLET : E2/8
NO PROJET : 131-12452-00		DATE : 2014-09-30
		EXTRAIT NO : E2/8-1



SOUS-SOL ACCÈS #0.2/
Basement access #0.2
 ÉCHELLE/Scale: 1:50



1300, BOULEVARD DE LA RIVE-SUD, BUREAU 401
 LÉVIS (QUÉBEC) CANADA G6W 5M8
 TÉLÉPHONE: 418 839-1733 | TÉLÉCOPIEUR: 418 839-8407
 WWW.WSPGROUP.COM

PROJET :
SÉCURITÉ DU BÂTIMENT-AGRICULTURE ET AGROALIMENTAIRE
 CANADA 2560 BOUL. HOCHELAGA, QUÉBEC

TITRE :
MÉCANIQUE / ÉLECTRIQUE
CONTRÔLE D'ACCÈS VUES AGRANDIES

DESSINÉ PAR :
 U. LEMIEUX

VÉRIFIÉ PAR :
 S. PARENTEAU ing.

ÉCHELLE :
 1:50

NO PROJET :
 131-12452-00

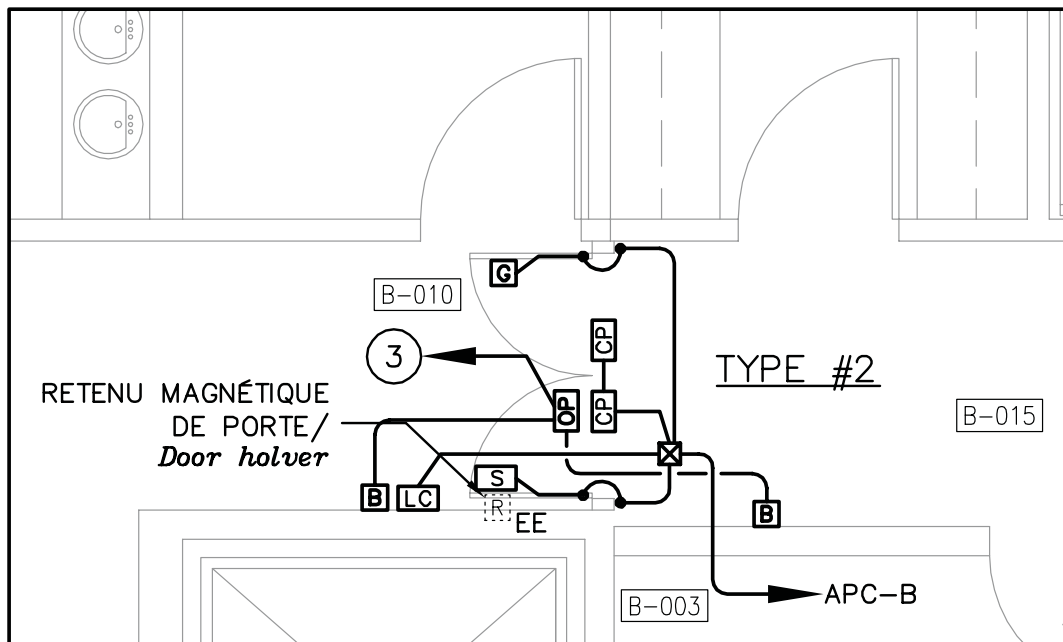
EXTRAIT POUR :

ADDENDA: NO 1 ☒
 DIRECTIVE: ☐
 ORDRE DE CHANGEMENT : ☐

DU FEUILLET :
 E6/8

DATE :
 2014-09-30

EXTRAIT NO :
 E6/8-1



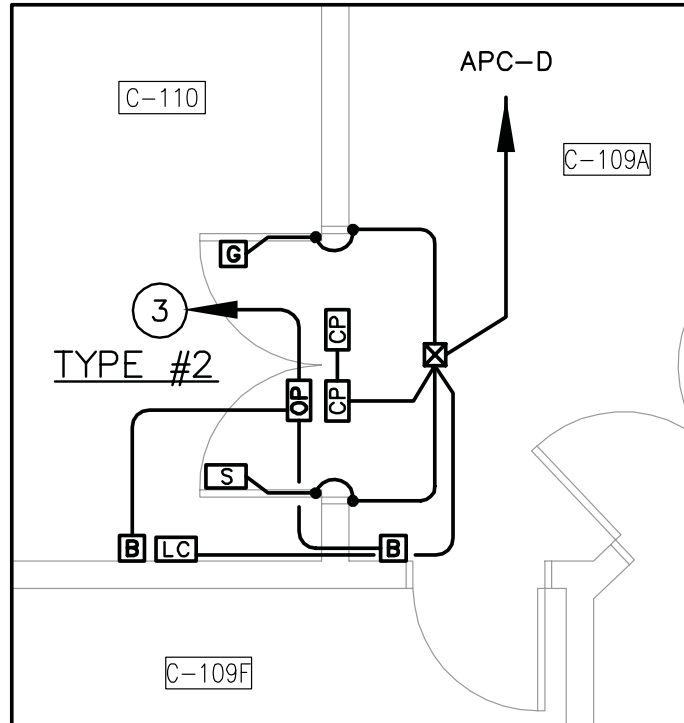
SOUS-SOL ACCÈS #0.3/
Basement access #0.3
 ÉCHELLE/Scale: 1:50

③ ALIMENTATION 120V. AJOUTER DISJONCTEUR
 15A-1P./120v power supply. Add a
 15A-1P circuit breaker.



1300, BOULEVARD DE LA RIVE-SUD, BUREAU 401
 LÉVIS (QUÉBEC) CANADA G6W 5M8
 TÉLÉPHONE: 418 839-1733 | TÉLÉCOPIEUR: 418 839-8407
 WWW.WSPGROUP.COM

PROJET : SÉCURITÉ DU BÂTIMENT-AGRICULTURE ET AGROALIMENTAIRE CANADA 2560 BOUL. HOCHELAGA, QUÉBEC		EXTRAIT POUR : ADDENDA: NO 1 <input checked="" type="checkbox"/> DIRECTIVE: <input type="checkbox"/> ORDRE DE CHANGEMENT : <input type="checkbox"/>
TITRE : MÉCANIQUE / ÉLECTRIQUE CONTRÔLE D'ACCÈS VUES AGRANDIES		DU FEUILLET : E6/8
DESSINÉ PAR : U. LEMIEUX	ÉCHELLE : 1:50	DATE : 2014-09-30
VÉRIFIÉ PAR : S. PARENTEAU ing.	NO PROJET : 131-12452-00	EXTRAIT NO : E6/8-2



REZ-DE-CHAUSSÉE ACCÈS #1.1/
Ground floor access #1.1
 ÉCHELLE/Scale: 1:50

③ ALIMENTATION 120V. AJOUTER DISJONCTEUR
 15A-1P./120v *power supply. Add a*
 15A-1P *circuit breaker.*



1300, BOULEVARD DE LA RIVE-SUD, BUREAU 401
 LÉVIS (QUÉBEC) CANADA G6W 5M8
 TÉLÉPHONE: 418 839-1733 | TÉLÉCOPIEUR: 418 839-8407
 WWW.WSPGROUP.COM

PROJET :
SÉCURITÉ DU BÂTIMENT-AGRICULTURE ET AGROALIMENTAIRE
 CANADA 2560 BOUL HOCHELAGA, QUÉBEC

TITRE :
MÉCANIQUE / ÉLECTRIQUE
CONTRÔLE D'ACCÈS VUES AGRANDIES

DESSINÉ PAR :
 U. LEMIEUX

VÉRIFIÉ PAR :
 S. PARENTEAU ing.

ÉCHELLE :
 1:50

NO PROJET :
 131-12452-00

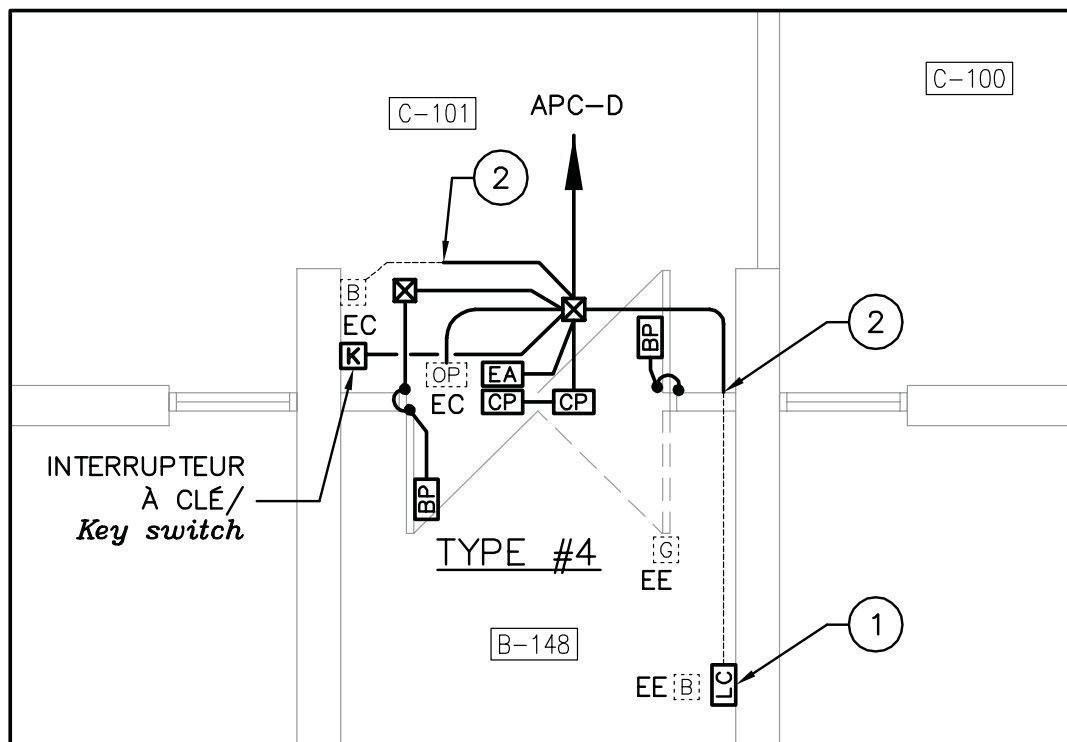
EXTRAIT POUR :

ADDENDA: NO 1 ☒
 DIRECTIVE: ☐
 ORDRE DE CHANGEMENT : ☐

DU FEUILLET :
 E6/8

DATE :
 2014-09-30

EXTRAIT NO :
 E6/8-3



REZ-DE-CHAUSSÉE ACCÈS #1.2/ *Ground floor access #1.2*

ÉCHELLE/Scale: 1:50



1300, BOULEVARD DE LA RIVE-SUD, BUREAU 401
LÉVIS (QUÉBEC) CANADA G6W 5M8
TÉLÉPHONE: 418 839-1733 | TÉLÉCOPIEUR: 418 839-8407
WWW.WSPGROUP.COM

PROJET :
SÉCURITÉ DU BÂTIMENT-AGRICULTURE ET AGROALIMENTAIRE
CANADA 2560 BOUL. HOCHELAGA, QUÉBEC

TITRE :
MÉCANIQUE / ÉLECTRIQUE
CONTRÔLE D'ACCÈS VUES AGRANDIES

DESSINÉ PAR :
U. LEMIEUX

VÉRIFIÉ PAR :
S. PARENTEAU ing.

ÉCHELLE :
1:50

NO PROJET :
131-12452-00

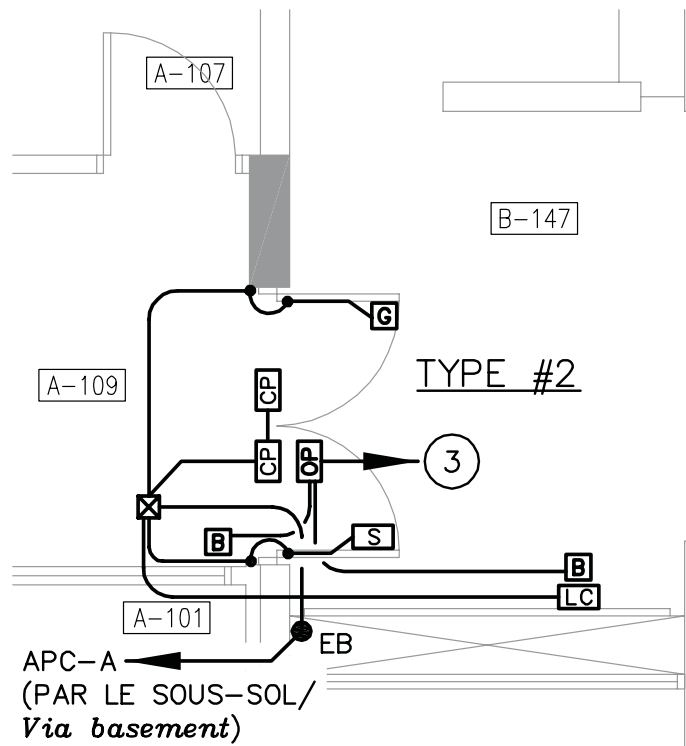
EXTRAIT POUR :

ADDENDA: NO 1 ☒
DIRECTIVE: ☐
ORDRE DE CHANGEMENT : ☐

DU FEUILLET :
E6/8

DATE :
2014-09-30

EXTRAIT NO :
E6/8-4



REZ-DE-CHAUSSÉE ACCÈS #1.5/ *Ground floor access #1.5*

ÉCHELLE/Scale: 1:50

③ ALIMENTATION 120V. AJOUTER DISJONCTEUR
 15A-1P./120v power supply. Add a
 15A-1P circuit breaker.



1300, BOULEVARD DE LA RIVE-SUD, BUREAU 401
 LÉVIS (QUÉBEC) CANADA G6W 5M8
 TÉLÉPHONE: 418 839-1733 | TÉLÉCOPIEUR: 418 839-8407
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PROJET :
SÉCURITÉ DU BÂTIMENT-AGRICULTURE ET AGROALIMENTAIRE
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TITRE :
MÉCANIQUE / ÉLECTRIQUE
CONTRÔLE D'ACCÈS VUES AGRANDIES

DESSINÉ PAR :
 U. LEMIEUX

VÉRIFIÉ PAR :
 S. PARENTEAU ing.

ÉCHELLE :
 1:50

NO PROJET :
 131-12452-00

EXTRAIT POUR :

ADDENDA: NO 1 ☒
 DIRECTIVE: ☐
 ORDRE DE CHANGEMENT : ☐

DU FEUILLET :
 E6/8

DATE :
 2014-09-30

EXTRAIT NO :
 E6/8-5

Part 1. Specifications Modifications

All the modifications have been identified in grey in the sections.

1.1 GENERAL MODIFICATIONS

- .1 In the sections 01 61 00, 07 84 00, 07 92 00, 08 71 10, 09 21 16 et 09 91 23 the following terms « Professionnal, Owner, Architect and Consultant » have been replaced by « Departmental Representative».
- .2 The locksets specified must be supplied complete. Existing locksets cannot be modified.

1.2 SPECIFIC MODIFICATIONS

- .1 Section 01 61 00
 - .1 The item 1.5.4 have been deleted.
 - .2 In the item 1.7.1, the following terms “signing Contract” have been replaced by “notice of acceptance of Offer”.
 - .2 Section 07 84 00
 - .1 In the item 1.1.2, the following terms have been added “in engineering”.
 - .3 Section 08 11 14
 - .1 In the item 1.1.4, the number of the following section “09 91 26” have been replaced by “09 91 23”.
 - .2 The item 3.1.1 have been deleted.
 - .4 Section 08 14 10
 - .1 In the item 1.1.5, the number of the following section “09 91 26” have been replaced by “09 91 23”.
 - .5 Section 08 71 10
 - .1 Article 2.1.1 have been deleted.
 - .2 In the item 2.1.3, the following term have been added “specifications”.
 - .6 Section 09 21 16
 - .1 In the item 2.1.8, the number of the following section “07900” have been replaced by “07 92 00”.
 - .7 Section 09 91 23
 - .1 In the item 3.1.1, the following terms have been deleted“and general paint specifications by SICO EXPERT”.
-

1.3 ADDITION

- .1 The section 01 11 00 have been added.

Part 2. Plans Modifications

All the modifications have been identified with clouds on the sheets.

2.1 SHEETS A03 & A04

- .1 In the doors, frames and hardware table on sheet A03 et A04, the hardware group 008 of the door P0.3 have been replaced by the hardware group 006. Furthermore, the existing door and frame materials has been clarified.

See attached extract of plans, on sheet 2 and 3.

2.2 SHEETS A04

- .1 New intercom for door 1.8 only.

See attached extract of plan, on sheet 1.

Part 3. Appendices

3.1 DOCUMENTS IN THE APPENDICES :

- .1 Appendix of specifications (1 pdf document, 8 ½ x 11)
.2 Extracts of plans, sheet 1 to 3 (3 pages 8 ½ x 11)

END OF ADDENDUM



Transmitted by: Pierre André Lévesque, architecte

SUMMARY OF WORK

PART 1 - GENERAL

1.1 WORK COVERED BY
CONTRACT DOCUMENTS

- .1 Work of this Contract comprises the following works, located at 2560 boul. Hochelaga, and further identified as Agriculture and Agri-Food Canada.
- .2 Civil engineering works are briefly outlined as, but are not limited to :
 - .1 Rehabilitation of road works (granular base and paving)
 - .2 Rehabilitation of sidewalks and kerbs
 - .3 Repairing of surfaces impacted by works
 - .4 Gates and other elements linked to parking booths
- .3 Electrical engineering works are briefly outlined as, but are not limited to :
 - .1 Removal of existing street lights and lighting fixtures
 - .2 Removal of an existing parking booth
 - .3 Supply, installation and connecting of street lights and lighting fixtures
 - .4 Supply and installation of concrete bases
 - .5 Digging and backfilling of trenches
 - .6 Connecting of parking booths
 - .7 Supply, installation and connecting of intercom systems
 - .8 Connecting of detection loops
 - .9 Supply, installation and connecting of access control equipment
 - .10 Supply and installation of conduits for :
 - .1 Lighting
 - .2 Intercom
 - .3 Access control
 - .4 All other systems specified in technical specifications and drawings
 - .11 Modification of existing electrical distribution to allow for electrical power supply of new apparatus
 - .12 Required programming for access control systems
 - .13 Drilling and sealing of openings
 - .14 Coordination with other trades
 - .15 Start-up and testing specified in technical specifications and drawings
- .4 Architecture works are briefly outlined as, but are not limited to :
 - .1 Installation of new steel frames and of new wooden doors
 - .2 Installation of new hardware and of door controls on new or existing doors and frames

SUMMARY OF WORK

- .3 Restoring of existing walls, partitions and ceilings

1.2 CONTRACT METHOD

- .1 Construct Work under single, stipulated price contract.
- .2 Relations and responsibilities between Contractor and subcontractors assigned by Departmental Representative are as defined in Conditions of Contract. Assigned Subcontractors must, in addition :
- .1 Furnish to Contractor, bonds covering faithful performance of subcontracted work and payment of obligations thereunder when Contractor is required to furnish such bonds to Departmental Representative.
- .2 Purchase and maintain liability insurance to protect Contractor from claims for not less than limits of liability which Contractor is required to provide to Departmental Representative.

1.3 WORK SEQUENCE

- .1 Construct Work in stages to accommodate Departmental Representative's continued use of premises during construction.
- .2 Co-ordinate Progress Schedule and co-ordinate with Departmental Representative Occupancy during construction.
- .3 Construct Work in stages to provide for continuous public usage. Do not close off public usage of facilities until use of one stage of Work will provide alternate usage.
- .4 Maintain fire access/control.

1.4 CONTRACTOR USE OF PREMISES

- .1 Unrestricted use of site until Substantial Performance.
- .2 Limit use of premises for Work, to allow :
- .1 Departmental Representative occupancy.
- .3 Co-ordinate use of premises under direction of Departmental Representative.
- .4 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- .5 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.
- .6 Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as directed by Departmental Representative.
- .7 At completion of operations condition of existing work : equal to or better than that which existed before new work started.

SUMMARY OF WORK

1.5 DEPARTMENTAL
REPRESENTATIVE
OCCUPANCY

- .1 Departmental Representative will occupy premises during entire construction period for execution of normal operations.
- .2 Co-operate with Departmental Representative in scheduling operations to minimize conflict and to facilitate Departmental Representative usage.

1.6 ALTERATIONS,
ADDITIONS OR
REPAIRS TO EXISTING
BUILDING

- .1 Execute work with least possible interference or disturbance to building operations, occupants, and normal use of premises. Arrange with Departmental Representative to facilitate execution of work.
- .2 Use only elevators existing in building for moving workers and material.
 - .1 Protect walls of passenger elevators prior to use.
 - .2 Accept liability for damage, safety of equipment and overloading of existing equipment.

1.7 EXISTING
SERVICES

- .1 Notify Departmental Representative and utility companies of intended interruption of services and obtain required permission.
- .2 Where Work involves breaking into or connecting to existing services, give Departmental Representative 48 hours notice for necessary interruption of mechanical or electrical service throughout course of work. Minimize duration of interruptions. Carry out work at times as directed by governing authorities with minimum disturbance to building operations.
- .3 Provide alternative routes for personnel and vehicular traffic.
- .4 Establish location and extent of service lines in area of work before starting Work. Notify Departmental Representative of findings.
- .5 Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility including power and communications services. Adhere to approved schedule and provide notice to affected parties.
- .6 Provide temporary services as directed by Departmental Representative to maintain critical building and tenant systems.

SUMMARY OF WORK

- .7 Provide adequate bridging over trenches which cross sidewalks or roads to permit normal traffic.
- .8 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .9 Protect, relocate or maintain existing active services. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction.
- .10 Record locations of maintained, re-routed and abandoned service lines.

1.8 DOCUMENTS
REQUIRED

- .1 Maintain at job site, one copy each document as follows :
 - .1 Contract Drawings.
 - .2 Specifications.
 - .3 Addenda.
 - .4 Reviewed Shop Drawings.
 - .5 List of Outstanding Shop Drawings.
 - .6 Change Orders.
 - .7 Other Modifications to Contract.
 - .8 Field Test Reports.
 - .9 Copy of Approved Work Schedule.
 - .10 Health and Safety Plan and Other Safety Related Documents.
 - .11 Other documents as specified.

PART 2 - - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - - EXECUTION

3.1 NOT USED

- .1 Not used.

End of section

COMMON PRODUCT REQUIREMENTS

PART 1 – GENERAL

1.1 SECTION CONTENTS

- .1 Quality, availability, storage, handling, protection and transportation of products.
- .2 Manufacturer's instructions.
- .3 Fastenings.
- .4 Existing utilities.

1.2 REFERENCE STANDARDS

- .1 If there is question as to whether products are in compliance with applicable standards, **Departmental Representative** reserves the right to have such products tested to prove or disprove compliance.
- .2 Costs for such testing will be borne by **Departmental Representative** in event of conformance with Contract Documents or by Contractor in the event of non-compliance.
- .3 If no specific date or edition is mentioned, comply with most recent standards in effect at time bid is submitted.

1.3 GENERAL

- .1 Within 7 days of receipt of **Departmental Representative's** written request, submit the following information with regard to materials and equipment that must be supplied:
 - .1 Manufacturer's name and address;
 - .2 Trademark and model and catalogue numbers;
 - .3 Data sheets and test results;
 - .4 Manufacturer's instructions with regard to installation and application ;
 - .5 Supporting evidence of procurement approach.

1.4 QUALITY

- .1 Products, materials, equipment and articles (referred to as "Products" in the specifications) incorporated in Works shall be new, not damaged or defective, and of best quality for purpose intended. If requested, furnish evidence as to type, source and quality of products provided.
- .2 When materials are specified based on trademark, manufacturer name or supplier, bids must be based on the use of designated materials. During the tender period,

COMMON PRODUCT REQUIREMENTS

substitution materials may be considered if they are deemed acceptable by the **Departmental Representatives** before bid closing.

- .3 Defective products, whenever identified prior to completion of Work, will be rejected, regardless of previous inspections. Inspection does not relieve responsibility, but is precaution against oversight or error. Remove and replace defective products at own expense and be responsible for delays and expenses caused by rejection.
- .4 Should disputes arise as to quality or fitness of products, decision rests strictly with **Departmental Representative** based upon requirements of Contract Documents.
- .5 Unless otherwise indicated in specifications, maintain uniformity of manufacture for any particular or like item throughout building.
- .6 Permanent labels, trademarks and nameplates on products are not acceptable in prominent locations, except where required for operating instructions, or when located in mechanical or electrical rooms.

1.5 SELECTION OF MATERIALS BY CONTRACTOR FOR BID PURPOSES

- .1 If materials are specified in reference to a standard, choose materials that meet or exceed requirements of this standard.
- .2 If materials must be on the Canadian General Standards Board List of Qualified Products, choose one of manufacturers listed.
- .3 If materials are specified according to "descriptive" or "performance" specifications, choose materials that meet or exceed specifications requirements.
- .4 Deleted paragraph**
- .5 If materials are specified according to a standard, or descriptive or performance specifications, at the request of the **Departmental Representative**, acquire from manufacturer report from independent test laboratory certifying that materials or equipment meet or exceed prescribed requirements.

1.6 SUBSTITUTION

- .1 Substitutions are prohibited unless approved in writing by **Departmental Representative**.

COMMON PRODUCT REQUIREMENTS

- .2 Substitution proposals cannot be submitted after contract award. Requests must be accompanied by respective cost summary of items prescribed in specifications and those proposed as substitutes.
- .3 **Departmental Representative** will only consider these requests if:
 - .1 Materials chosen by Bidder among those prescribed in specifications are not available, or if
 - .2 Delivery date of materials chosen among those prescribed in specifications delays Work unreasonably, or if
 - .3 Materials proposed as substitutes are deemed by **Departmental Representative** as being equivalent to products prescribed and if their use translates into reduced Contract Price.
- .4 If proposed substitution is accepted in whole or in part, assume full responsibility and costs this substitution may entail on other Work. Pay cost of changes to bring to design or drawings following this substitution.
- .5 All savings caused by substitution approvals will be determined by **Departmental Representative**, and Contract Price will be lowered consequently.

1.7 PRODUCT AVAILABILITY

- .1 Immediately upon **notice of acceptance of offer**, review Product delivery requirements and anticipate foreseeable delays for any items. If delays in supply of Products are foreseeable, notify **Departmental Representative** of such, in order that substitutions or other remedial action may be authorized in ample time to prevent delay in performance of Work.
- .2 In event of failure to notify **Departmental Representative** at commencement of Work and should it subsequently appear that Work may be delayed for such reason, **Departmental Representative** reserves right to substitute more readily available products of similar character, at no increase in Contract Price of Contract Time.

1.8 STORAGE, HANDLING
AND PROTECTION

- .1 Handle and store products in a manner to prevent damage, adulteration, deterioration and soiling and in accordance with manufacturer's instructions when applicable.
- .2 Store packaged or bundled products in original and undamaged condition with manufacturer's seal and labels intact. Do not remove from packaging or bundling until required in Work.

COMMON PRODUCT REQUIREMENTS

- .3 Store products subject to damage from weather in weatherproof enclosures.
- .4 Store cementitious products clear of earth or concrete floors, and away from walls.
- .5 Keep sand, when used for grout or mortar materials, clean and dry. Store sand on wooden platforms and cover with waterproof tarpaulins during inclement weather.
- .6 Store sheet materials, lumber and other products where specified in the respective specification sections on flat, solid supports and keep clear of ground. Slope to shed moisture.
- .7 Store and mix paints in heated and ventilated room. Remove oily rags and other combustible debris from site daily. Take every precaution necessary to prevent spontaneous combustion.
- .8 Remove and replace damaged products at own expense and to satisfaction of **Departmental Representative**.
- .9 Touch-up damaged factory finished surfaces to **Departmental Representative's** satisfaction. Use touch-up materials to match original. Do not paint over name plates.

1.9 TRANSPORTATION

- .1 Pay costs of transportation of products required in performance of Work.
- .2 The **Departmental Representative** will pay for the transportation of products it provides. Ensure the unloading, transportation and handling of these products.

1.10 MANUFACTURER'S INSTRUCTIONS

- .1 Unless otherwise indicated in specifications, install or erect products in accordance with manufacturer's instructions. Do not rely on labels or enclosures provided with products. Obtain written instructions directly from manufacturers.
- .2 Notify **Departmental Representative** in writing of conflicts between specifications and manufacturer's instructions, so that **Departmental Representative** will establish course of action.
- .3 Improper installation or erection of products, due to failure to comply with these requirements, authorizes **Departmental Representative** to require removal and re-installation at no increase in Contract Price or Contract Time.

COMMON PRODUCT REQUIREMENTS

1.11 QUALITY OF WORK

- .1 Ensure quality of Work is of highest standard, executed by workers experienced and skilled in respective duties for which they are employed. Immediately notify **Departmental Representative** if required Work is such as to make it impractical to produce required results.
- .2 Do not employ anyone unskilled in their required duties. **Departmental Representative** reserves right to require dismissal from site workers deemed incompetent or careless, insubordinate or whose presence on the site should not be tolerated.
- .3 Decisions as to standard or fitness of quality of Work in cases of dispute rest solely with **Departmental Representative** whose decision is final.

1.12 CONCEALMENT

- .1 In finished areas conceal pipes, ducts and wirings in floors, walls and ceilings, except where indicated otherwise.
- .2 Before installation inform **Departmental Representative** if there is interference. Install as directed by **Departmental Representative**.

1.13 REMEDIAL WORK

- .1 Perform remedial work required to repair or replace parts or portions of Work identified as defective or unacceptable. Coordinate adjacent affected Work as required.
- .2 Perform remedial work by specialists familiar with materials and equipment used. Perform in a manner to not damage or put at risk any portion of Work.

1.14 FASTENINGS -
GENERAL

- .1 Provide metal fastenings and accessories in same texture, colour and finish as adjacent materials, unless otherwise indicated.
- .2 Prevent electrolytic action between dissimilar metals and materials.
- .3 Use non-corrosive hot dip galvanized steel fasteners and anchors for securing exterior work, unless stainless steel or other material is specifically requested in affected specification section.
- .4 Space anchors within individual load limit or shear capacity and ensure they provide positive permanent anchorage.

COMMON PRODUCT REQUIREMENTS

Wood, or any other organic material plugs are not acceptable.

- .5 Keep exposed fastenings to a minimum; space evenly and install neatly.
- .6 Fastenings which cause spalling or cracking of material to which anchorage is made are not acceptable.
- .7 Obtain the approval of the **Departmental Representative** prior to using fastenings applied using an impact gun. Once approval is obtained, comply with ACNOR Z-166-1975 standard.

1.15 FASTENINGS -
EQUIPMENT

- .1 Use fastenings of standard commercial sizes and patterns with material and finish suitable for services.
- .2 Use heavy hexagon heads, semi-finished unless otherwise specified. Use No. 304 stainless steel for exterior areas.
- .3 Bolts may not project more than one diameter beyond nuts.
- .4 Use plain type washers on equipment, sheet metal and soft gasket lock type washers where vibrations occur. Use resilient washers with stainless steel.

1.16 PROTECTION OF WORK
IN PROGRESS

- .1 Prevent overloading of parts of buildings. Do not cut, drill or sleeve load bearing structural member, unless specifically indicated without written approval of **Departmental Representative**.

END OF SECTION

FIRESTOPPING

PART 1 - GENERAL

1.1 RELATED WORK

- .1 Section 09 21 16 – Gypsum Board Assemblies.
- .2 Sections 15 and 16 **in engineering.**

1.2 REFERENCES

- .1 Underwriters Laboratories of Canada (ULC)
 - .1 ULC-S115-1995, Fire Tests of Firestop Systems.

1.3 DATA SHEETS

- .1 Submit data sheets required in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Submit manufacturer's product data for materials and prefabricated devices, providing descriptions are sufficient for identification at job site. Include manufacturer's printed instructions for installation.

PART 2 - PRODUCTS

2.2 MATERIALS

- .1 Firestopping and smoke seal systems: in accordance with ULC-S115.
 - .1 Asbestos-free materials and systems capable of maintaining an effective barrier against flame, smoke and gases in compliance with requirements of ULC-S115, and not to exceed opening sizes for which they are intended.
- .2 Service penetration firestop components: certified and tested by ULC in accordance with ULC-S115 and in ULC guide nos. 40 U19.13 and 40 U19.15.
- .3 Fire-resistance rating of installed firestopping assembly in accordance with NBC.
- .4 Firestopping and smoke seals at openings to des concealed installations, wiring for example: elastomeric seal.
- .5 Firestopping and smoke seals at openings around penetrations for pipes, ductwork and other mechanical items requiring sound and vibration control: elastomeric seal.
- .6 Primers: to manufacturer's recommendation for specific material, substrate, and end use.

FIRESTOPPING

- .7 Water (if applicable): potable, clean and free from injurious amounts of deleterious substances.
- .8 Damming and backup materials, supports and anchoring devices: to manufacturer's recommendations, and in accordance with tested assembly being installed as acceptable to authorities having jurisdiction.
- .9 Sealants for vertical joints: non-sagging.

PART 3 - EXECUTION

3.1 PREPARATION

- .1 Examine sizes and conditions of voids to be filled to establish correct thicknesses and installation of materials. Ensure that substrates and surfaces are clean, dry and frost free.
- .2 Prepare surfaces in contact with firestopping materials and smoke seals to manufacturer's instructions.
- .3 Maintain insulation around pipes and ducts penetrating fire separation identified in architectural drawings.
- .4 Mask where necessary to avoid spillage and over coating onto adjoining surfaces; remove stains on adjacent surfaces.

3.2 INSTALLATION

- .1 Install firestopping and smoke seal material and components in accordance with ULC requirements and manufacturer's instructions.
- .2 Seal holes or voids made by through penetrations, poke-through termination devices, and unpenetrated openings or joints to ensure continuity and integrity of fire separation are maintained.
- .3 Provide temporary forming as required and remove forming only after materials have gained sufficient strength and after initial curing.
- .4 Tool or trowel exposed surfaces to a neat finish.
- .5 Remove excess compound promptly as work progresses and upon completion.

3.3 INSPECTION

- .1 Notify **Departmental Representative** when ready for inspection and prior to concealing or enclosing firestopping materials and service penetration assemblies.

FOR TENDER

FIRESTOPPING

3.4 SCHEDULE

- .1 Firestop and smoke seal at:
 - .1 Penetrations through masonry, concrete, and gypsum board partitions and walls whose fire-resistance is indicated in architectural drawings.
 - .2 Joints between floor slabs.
 - .3 Top of fire-resistance rated partition walls and gypsum board partitions.
 - .4 Intersection of fire-resistance rated partition walls and gypsum board partitions.
 - .5 Control and sway joints in fire-resistance rated partition walls and gypsum board partitions.
 - .6 Penetrations through fire-resistance rated floor slabs, ceilings and roofs (at least 45 min).
 - .7 Around mechanical and electrical assemblies penetrating fire separations.
 - .8 Rigid ducts: greater than 129 cm²: firestopping to consist of bead of firestopping material between retaining angle and fire separation and between retaining angle and duct, on each side of fire separation.

3.5 CLEAN-UP

- .1 Remove excess materials and debris and clean adjacent surfaces immediately after application.
- .2 Remove temporary dams after initial set of firestopping and smoke seal materials.

END OF SECTION

JOINT PROTECTION

PART 1. - GENERAL

1.1 SUBMITTALS

- .1 Submit samples required in accordance with provisions of Section 01 33 00.
- .2 Submit data sheets for all proposed products.
- .3 Enter on data sheets destination of sealing products and primers.
- .4 Submit two samples of each colour and each type of proposed product.

1.2 DELIVERY, HANDLING
AND STORAGE

- .1 Transport, store and handle all materials and products in accordance with provisions of Section 01 61 00.
- .2 Deliver and store products in original and undamaged condition with manufacturer's seal and labels intact. Store away from water, moisture and frost, do not store directly on the ground of floor.

1.3 ENVIRONMENTAL
REQUIREMENTS

- .1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of Material Safety Data Sheets (MSDS) acceptable to Labour Canada.
- .2 Conform to manufacturer's recommended temperatures, relative humidity, and substrate moisture content for application and curing of sealants including special conditions governing use.

PART 2. - PRODUITS

2.1 SEALANTS

- .1 N/A.
- .2 Sealants and caulking used shall comply with following requirements.
 - .1 Sealants and caulking shall comply with or exceed relevant industry and government safety and performance standards.

JOINT PROTECTION

- .3 Sealants and caulking should not contain or be manufactured with the following components: aromatic solvents, talc or asbestos fibers, formaldehyde, halogenated solvents, mercury, lead, cadmium, hexavalent chromium, barium and derivatives, with exception of à barium sulfate.
- .4 To reduce health risks and maximize product performance, products must come with detailed instructions on application method and necessary information regarding waste disposal methods.
- .5 Caulking products that emit strong odours, that contain toxic chemicals or that are not certified as mildew-resistant should not be used in air handling units.
- .6 If use of toxic products cannot be avoided, limit use to areas where fumes can be vented to outdoors or to areas where fumes will be confined behind air barriers, or apply product several months before Work is occupied to enable evacuation of fumes over longest possible period.

2.2 SEALANTS – DESCRIPTION

- .1 Primer: type recommended by sealant manufacturer.
- .2 Joint back-up.
 - .1 General: compatible with primers and sealants oversized by 30 to 50%.
 - .2 Polyethylene: extruded closed cell foam, Shore A hardness of 20, tensile strength 140 to 200 kPa.
- .3 Bond breaker: pressure sensitive tape, not bondable to sealant.
- .4 Low-modulus, high-performance, 1-component, polyurethane-based sealing compound.
 - .1 For (exterior) use on flashing, frames and doors, window frames and other above-ground Work.
 - .2 Non-sag product, compliant with CAN/CGSB-19.13 standard, type 2, MCG-2-40, colour chosen by **Departmental Representative**.
 - .3 Low-modulus, high-performance, 1-component, polyurethane-based sealant such as Sika 15LM or Dymonic by Tremco. Manufacturer-recommended primer.
 - .4 Low-modulus, high-performance, 1-component silicone sealant, for exterior use, metal/masonry, such as CCS by Dow Corning. Manufacturer-recommended primer for metal.
 - .5 Low-modulus, 1-component silicone sealant, for exterior use, metal/metal, such as CWS by Dow Corning.
- .5 Acoustical sealant.
 - .1 Product compliant with CAN/CGSB-19.21 standard.

JOINT PROTECTION

- .2 Reference product: Tremco Acoustical Sealant or approved equivalent.
- .6 1-component, silicone rubber firestop sealant.
 - .1 Product compliant with CAN4-S115 and CAN4-S102 standards
- .7 Two-component, silicone-based sealant.
 - .1 For interior use, tiling, furniture
 - .2 Product compliant with CAN/CGSB-19.13 standard.
 - .3 Reference product: Dow Corning 756-HP or approved equivalent.
- .8 1-component, acrylic latex sealant.
 - .1 For interior use, joints, gypsum board, around openings, etc.
 - .2 Product compliant with CAN/CGSB-19.17 standard.
 - .3 Reference product: Tremco Acrylic Latex or approved equivalent.
- .9 Joint cleaner: xylene, butan-2-one or non-corrosive product recommended by sealant manufacturer and compatible with joint forming materials.
- .10 Sealant colour: chosen by **Departmental Representative** and similar to colour of adjoining materials.

PART 3. EXECUTION

3.1 PROTECTION

- .1 Protect installed Work of other trades from staining or contamination.

3.2 SURFACE
PREPARATION

- .1 Examine joint sizes and conditions to establish correct depth to width relationship for installation of backup materials and sealants.
- .2 Clean bonding joint surfaces of harmful matter substances including dust, rust, oil grease, and other matter which may impair Work.
- .3 Do not apply sealants to joint surfaces treated with sealer, curing compound, water repellent, or other coatings unless tests have been performed to ensure compatibility of materials. Remove coatings as required.
- .4 Ensure joint surfaces are dry and frost free.
- .5 Prepare surfaces in accordance with manufacturer's directions.

POUR SOUMISSION

JOINT PROTECTION

3.3 PRIMING

- .1 Where necessary to prevent staining, mask adjacent surfaces prior to priming and caulking.
- .2 Prime sides of joints in accordance with sealant manufacturer's instructions immediately prior to caulking.

3.4 BACKUP MATERIAL

- .1 Apply bond breaker tape where required to manufacturer's instructions.
- .2 Install joint filler to achieve correct joint depth and shape, with approximately 30% compression.

3.5 MIXING

- .1 Mix materials in strict accordance with sealant manufacturer's instructions.

3.6 APPLICATION

- .1 Sealant application.
- .2 Apply sealant in accordance with manufacturer's written instructions.
- .3 Mask edges of joint where irregular surface or sensitive joint border exists to provide neat joint.
- .4 Apply sealant in continuous beads.
- .5 Apply sealant using gun with proper size nozzle.
- .6 Use sufficient pressure to fill voids and joints solid.
- .7 Form surface of sealant with full bead, smooth, free from ridges, wrinkles, sags, air pockets, embedded impurities.
- .8 Tool exposed surfaces before skinning begins to give slightly concave shape.
- .9 Remove excess compound promptly as work progresses and upon completion.
- .10 Curing
 - .1 Cure sealants in accordance with sealant manufacturer's instructions.
 - .2 Do not cover up sealants until proper curing has taken place.
- .11 Clean-up

JOINT PROTECTION

- .1 Clean adjacent surfaces immediately and leave Work neat and clean.
- .2 Remove excess and droppings, using recommended cleaners as Work progresses.
- .3 Remove masking tape after initial set of sealant.

END OF SECTION

METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 07 92 10 – Joint Sealants.
- .2 Section 08 14 10 – Flush Wood Doors.
- .3 Section 08 71 10 – Door Hardware.
- .4 Section **09 91 23** – Interior Painting.

1.2 REFERENCES

- .1 ASTM A526, Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.
- .2 CGSB 1-GP-181, Coating, Zinc-Rich, Organic, Ready-Mixed.
- .3 Canadian Steel Door and Frame Manufacturers' Association (CSDMA), Canadian Steel Door Manufacturers' Association
- .4 CGSB 1-GP-181, Coating, Zinc-Rich, Organic, Ready-Mixed.

1.3 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Shop drawings must indicate each type of frame, material, core thickness, mortises, reinforcements, glazing stops, location of anchors and exposed fastenings, openings, glazed, louvered, arrangement of hardware and finishes.

1.4 TEMPORARY MARKINGS

- .1 Felt pen markings on apparent faces of doors and frames are not permitted.

1.5 GUARANTEE

- .1 Guarantee written on steel frames must be for period of one year starting from final acceptance of work.

METAL DOORS AND FRAMES

PART 2 - PRODUCTS

2.1 MATERIALS AND EQUIPMENT

- .1 Interior doors
 - .1 Hot dipped galvanized steel sheet: to ASTM A653M, ZF75, minimum base steel thickness in accordance with CSDMA Table 1 - Thickness for Component Parts.
 - .2 Reinforcement channel: to CSA G40.20/G40.21, Type 44W, coating designation to ASTM A653M, ZF75.
- .2 Metal thickness
 - .1 Thickness of base metal: 1.2 mm.
 - .2 Thickness of base metal, hinge pin side: 3.6 mm.
 - .3 Thickness of base metal, opposite hinge pin side: 3.6 mm.
- .3 Door core; appropriate thickness (see door table) to fill door core.
 - .1 Interior doors: Structural small cell 25.4 mm maximum Kraft paper 'honeycomb', density: 16.5 kg/m³ minimum.
 - .1 Acceptable product: S.W. FLEMING D Series or approved equivalent.
- .4 Form doors with honeycomb core (interior doors) laminated under pressure.
- .5 Longitudinal edges of interior doors sealed with adhesive will have visible, straight interlocking joints.
- .6 Doors shall be blanked and free of apparent joints.
- .7 Install hinge reinforcements.
- .8 Doors are reinforced with 14 gauge profile, 155mm deep, to accommodate all possible variations of stops and closers.
- .9 Blank, reinforce and tap doors where necessary for mortised and templated hardware.
- .10 Reinforce doors for surface mounted hardware.
- .11 Mineral fiber for filling frames: semi-rigid with 24 kg/m³ density.
- .12 Adhesive: polyisocyanurate cores: heat resistant, epoxy resin based, low viscosity.
- .13 Steel doors and frames must be painted on-site in compliance with Section 09 91 23 – Interior Painting.

METAL DOORS AND FRAMES

- .14 Frames
 - .1 Acceptable product: S.W. FLEMING DW Series or approved equivalent.
 - .2 Galvanized steel sheet welded frames, metal thickness: 1.6 mm.
 - .3 Reinforce frames where surface mounted hardware is required. 10 gauge hinge reinforcements. Other reinforcements: 12 gauge.
- .15 Door adhesive: compatible with core.
- .16 Door and frame accessories: compliant with minimum AMCCPA requirements.
- .17 Frame stops: rubber bumpers, black colour.
- .18 Wall and floor anchors will be provided according to type of walls.
- .19 When interior doors must be fire-proof, steel frames must be same certification category, legible on frame.
- .20 Stiffened profiles: zinc-coated galvanized by hot-dip process, minimum coating weight: 0.4 kg/m and compliant with CAN3-G40.20-M81 standard.

2.2 FABRICATION

- .1 Unless otherwise indicated, steel frames must be fabricated in compliance with requirements of Canadian Manufacturing Specifications for Metal Doors and Frames, document published by the Canadian Steel Door Manufacturers' Association (CSDMA). Frames must be reinforced to comply with hardware requirements in Section 08 71 10 – Door Hardware.
- .2 Blank, reinforce, drill and tap frames where required, for mortised hardware or ducts. Reinforce frames for surface mounted hardware.
- .3 Provide factory-applied touch up primer at areas where zinc coating has been removed during fabrication.

2.3 DOORS

- .1 Interior doors: longitudinal edges will have mechanically jointed, sealed with RRPC vertical adhesive, on edges of locks and hinges.
- .2 Top and bottom profiles must be flush-mounted in 16 gauge U shape. Profiles must be full width of door and must be welded to both walls.

METAL DOORS AND FRAMES

- .3 Put endorsement labels on edge of fire-protection doors.
- .4 Fabricate doors 45 mm thick.
- .5 Install ducts with pulling lines for installation of electric locks, according to equipment set out in hardware lists.

2.4 FRAMES

- .1 For welded frames, cut miters and joints and weld in a continuous bead along the entire interior perimeter of the profile.
- .2 Grind welded joints and corners to a flat plane, fill with metallic paste and sand to uniform smooth finish.
- .3 Install adjustable anchors on jambs to anchor frames to ground.
- .4 Put endorsement labels on fire-protection frames
- .5 Fabricate frames according to specified models.
- .6 Frames not destined to receive soundproofing or weatherstripping must be fitted with rubber dampers, 3 per jamb.

PART 3 - EXECUTION

3.1 FRAME INSTALLATION

- .1 Deleted paragraph.**
- .2 Set frames plumb, square, level and at correct elevation.
- .3 Secure anchorages and connections to adjacent construction.
- .4 Brace frames rigidly in position while building-in. Install temporary horizontal wood spreader at third points of door opening to maintain frame width. Provide vertical support at centre of head for openings over 1200 mm wide. Remove temporary spreaders after frames are built-in.
- .5 Make allowances for deflection of structure to ensure structural loads are not transmitted to frames.

METAL DOORS AND FRAMES

- .6 Install rubber dampers once painting work is completed.

3.2 FINISH REPAIRS

- .1 Touch up with primer finishes damaged during installation.

END OF SECTION

FLUSH WOOD DOORS

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 07 92 00 – Joint Protection.
- .2 Section 08 11 14 – Metal Doors and Frames.
- .3 Section 08 71 10 – Door Hardware.
- .4 Section 08 80 50 – Glazing.
- .5 Section **09 91 23** – Interior Painting.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA)
 - .1 CSA 0115-M1982, Hardwood and Decorative Plywood.
 - .2 CAN/CSA 0132.2-90, Wood Flush Doors.
- .2 Canadian General Standards Board (CGSB).
 - .1 CAN/CGSB-71.19, Adhesive, Contact, Sprayable.
 - .2 CAN/CGSB-71.20, Adhesive, Contact, Brushable.
- .3 CAN4 S104, Fire Tests of Door Assemblies.
- .4 NFPA 80 Fire Doors and Windows

1.3 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.
- .3 Specify type of door and indicate openings required for glazing, louvers, dimensions, core details and hardware reinforcements.

1.4 REGULATORY REQUIREMENTS

- .1 When indicated in drawings, wood doors must have a fire resistance rating and be approved by a Canadian certifying body accredited by the Standards Council of Canada.

FLUSH WOOD DOORS

1.5 STORAGE AND PROTECTION

- .1 Protect doors from moisture. Plan delivery to site after completion of Work generating excessive moisture.
- .2 Store packaged doors in well-ventilated area, away from the ground, in compliance with manufacturer's recommendations.
- .3 Protect doors from scratches, marks due to handling and other damage.
- .4 Do not expose doors to excessively hot, dry or humid environment.

1.6 TEMPORARY MARKINGS

- .1 Felt pen markings on apparent faces of doors and frames are not permitted.

1.7 GUARANTEES

- .1 Provide a written guarantee, signed and issued in Owner's name, stipulating that wood doors are guaranteed against warping, buckling, joint defects, splitting, delamination and settling for period of three (3) years starting on date of signature of Certificate of Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Compliant with ACNOR 0132.2 standard.

2.2 DOORS

- .1 Solid core doors: like Baillargeon Wood Doors 8500-ME series with red oak finish faces (plain sliced), book matched, or approved equivalent, in accordance with door and frame tables, 45 mm thick. All mechanical fasteners shall be hidden.
 - .1 Veneer: sliced red oak, running, book matching, grade A.
 - .2 Refer to door and frame sheets and door table in drawings.
- .2 Adhesive: casein waterproof glue, type 1, cold-press.
- .3 Wood and/or LVL stiffeners for door closers.
- .4 Glazing – See Section 08 80 50 - Glazing

FLUSH WOOD DOORS

2.3 FRAMES

- .1 Cadre simple en acier.
 - .1 See Section 08 11 14.
 - .2 Refer to door and frame sheets and door table in drawings.

2.4 HARDWARE

- .1 See Section 08 71 10 – Door Hardware.

2.5 FABRICATION

- .1 Bevel vertical edges of single acting doors 3 mm in 50 mm on lock side and 1.5 mm in 50 mm on hinge side.
- .2 Put endorsement labels on edge of fire-protection doors.

PART 3- EXECUTION

3.1 INSTALLATION

- .1 Install frames plumb, square, level and at correct height.
- .2 Install doors and hardware in compliance with manufacturer's written instructions and requirements of CAN/CSA-0132.2 standard, appendix A.
- .3 Allow a consistent clearance between doors and jambs, and between doors and floor and sill, as follows:
 - .1 Hinge side: 3 mm;
 - .2 Lock and lintel side: 3 mm;
 - .3 Floor and floor covering side: 13 mm.
- .4 Doors will be stained on all 6 sides by manufacturer.
- .5 Adjust hardware for correct door operation.
- .6 When installation is completed, repair or replace bent doors, doors with defective materials or doors that do not operate properly.

3.2 ADJUSTING

- .1 Just before building construction is completed, readjust doors and hardware to ensure proper operation.

END OF SECTION

DOOR HARDWARE

PART 1 - GENERAL

1.1 ADMINISTRATIVE
PROCEDURES

- .1 At the earliest opportunity and in a predetermined sequence, to avoid delaying execution of Work, submit required documents and samples to Departmental Representative, for examination purposes. Delays in that regard shall not constitute a sufficient reason to obtain an extension to the execution of Work, and no such request shall be accepted.

PART 2 - GENERAL

2.1 RELATED SECTIONS

- .1 Deleted paragraph.**
- .2 Section 08 11 14 – Metal Frames.
- .3 Electricity, see engineering, **divisions 26 and 28.**

2.2 REFERENCE
STANDARDS

- .1 Hardware items must comply with following standards:
 - .1 CNB 2005;
 - .2 ANSI/BHMA;
 - .3 NFPA 80;
 - .4 NFPA 101.

2.3 REGULATORY
REQUIREMENTS

- .1 Hardware for exit doors and doors installed in fire separations must be certified by Canadian certifying body accredited by Standards Council of Canada.

2.4 QUALIFICATION

- .1 Hardware supplier must be a distributor certified by lock manufacturer (Command-Access), and door closer manufacturer (LCN).

2.5 SAMPLES

- .1 Identify each sample by label indicating applicable specification paragraph number, brand name and number, finish and hardware package number.

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DOOR HARDWARE

- .2 After approval samples will be returned to Supplier.

2.6 HARDWARE SCHEDULE

- .1 In compliance with specifications, submit for verification a complete hardware schedule using numbering set by **Departmental Representative**. Provide data sheets and illustrations of all hardware parts.
- .2 Hardware schedule must include all details with regard to doors and frames.
- .3 List specified hardware items, indicating brand, model, material, function, finish and any other relevant information.
- .4 The verification of hardware schedule in no way relieves the Contractor of its responsibility to provide all hardware required to complete the Work.
- .5 On completion of Work, give stakeholders copy of "as built" hardware schedule.
- .6 Finishes appearing on hardware schedule must be those used in hardware groups.
- .7 Hardware schedule will be reviewed continuously to take into account changes brought during Work. Upon request, supplier will send revised copies to all stakeholders.

2.7 EQUIVALENT
PRODUCTS

- .1 The Bidder must submit all requests for approval of equivalent products in writing to the **Departmental Representative** at least five (5) days prior to the reception of bids to examine the request and, where applicable, inform other bidders.

2.8 CLOSEOUT
SUBMITTALS

- .1 Supply files necessary to use and maintain door closers, locks, door holding devices and fire exit accessories, and submit to **Departmental Representative** for consignment in maintenance file.
- .2 Inform maintenance personnel of correct manner to maintain and clean hardware items.

2.9 ADDITIONAL MATERIAL

- .1 Supply maintenance/spare material to **Departmental Representative**, for approval.

DOOR HARDWARE

- .2 Supply keying sets necessary for maintenance of door closers, locks, and accessories for exit doors.

2.10 DELIVERY AND
STORAGE

- .1 Store finishing hardware in locked, clean and dry area.
- .2 Package items of hardware including fastenings, separately or in like groups of hardware, label each package as to item definition and location.
- .3 Compile inventory based on list of hardware items.

2.11 WARRANTY

- .1 Provide written warranty against all defects in material and workmanship for a period of two (2) years.

PART 3 - PRODUCTS

3.1 GENERAL

- .1 Hardware must be certified by Canadian certifying body accredited by Standards Council of Canada.
- .2 Use one manufacturer's products only for similar items.

3.2 DOOR HARDWARE

- .1 All hardware items must comply with relevant CGSB, ANSI/BHMA standards.
- .2 Hardware parts are described in groups at the end of this section.
- .3 Provide necessary quantity of hardware items by consulting drawings, specifications and doors, frames and hardware table.
- .4 If certain items necessary to complete the Work were not specified specifically, obtain information and clarifications prior to submitting bid, or be responsible for supplying these items without additional cost to **Departmental Representative**.
- .5 Supply all spacers and accessories required to install various hardware parts. Pay special attention to door closers, weatherstripping and soundproofing.

DOOR HARDWARE

3.3 FASTENINGS

- .1 Supply screws, bolts, expansion shields and other fastening devices required for satisfactory installation and operation of hardware.
- .2 Exposed fastening devices to match finish of hardware.
- .3 Use fasteners compatible with material through which they pass.
- .4 Use only fasteners provided or recommended by hardware manufacturer, subject to the following articles.
- .5 Use of bolts that go through doors, such as Thru-bolts, Sex-bolts or other is prohibited, unless expressly approved by **Departmental Representative**.
- .6 All hardware parts for aluminium doors must be delivered with machine screws only.
- .7 Where pull is scheduled on one side of door and push plate on other side, supply fastening devices, and install so pull can be secured through door from reverse side. Install push plate to cover fasteners.

3.4 KEYING

- .1 Supply new locks with three (3) keys, each subject to existing keying system.
- .2 Key system will be provided by **Departmental Representative**.
- .3 Contact **Departmental Representative** to obtain information on keying new locks.

PART 4 - EXECUTION

4.1 VERIFICATION

- .1 For all hardware items that must be supplied, verify plans, details, hardware groups and installation details. Include all finishing hardware and related items such as trim, screws, bolts, blocking, door closer accessories, etc. which are necessary to complete the Work from this section.

DOOR HARDWARE

4.2 INSTALLATION
INSTRUCTIONS

- .1 Supply metal door and frame manufacturers with complete instructions and templates for preparation of their work to receive hardware.
- .2 Supply manufacturers' instructions for proper installation of each hardware component.

4.3 INSTALLATION

- .1 Install hardware items in compliance with manufacturer's instructions and applicable standards.
- .2 Hardware parts must be securely fixed or fastened to the elements destined to receive them.
- .3 Hardware parts must be installed level or plumb.
- .4 Hardware parts must operate perfectly and smoothly.
- .5 Commercial hardware parts must be installed in a workmanlike manner by specialized employees.
- .6 Use only machine screws to install hardware parts on steel frames.

4.4 HARDWARE GROUPS

- .1 Hardware groups below are not limiting and do not constitute quantities lists. These groups are provided as guides to establish the type, function, quality and finish of required articles. Verify these groups jointly with drawings and doors and frames table and provide any additional hardware items not required in these groups but required to complete Work in accordance with documents.

Doors: P0.2, P1.2
Group 001

2	Continuous hinges	780-224HD x UL/FF x EPT x H.R.	CLR	Roton
1	Exit device	EL-RX-LX9847EO-F x LBR	626	V-D
1	Exit device	RX-LX9847EO-F x LBR	626	V-D
1	Power supply	PS914-2RS-BB		V-D
1	Door closer	4040XP EDA-DEL		LCN
1	Door operator	Salvaged and reinstalled	628	Besam
1	Relay	ESUSI	Black	Besam
1	Mag lock	8310 DSS/SCS	628	RCI
2	Power transfer	EPT-10		V-D
1	Keyswitch	By engineer		
1	Cylinder with key	1000-114-A_-6-D06	626	Corbin
1	Smoke gasket	CF10 x Perim	BLACK	Unique
2	Door sweep	D480-1 x L.R.	AL	Unique

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DOOR HARDWARE

1	Astragal	C380-9/16 x H.R.	AL	Unique
2	Kick plates	190S 12"x L.R. x SA	630	Hager

Doors: P0.1, P0.6, P1.4, P2.2

Group 002

1	Electric lock	CL180-SPA-RX-24VDC x 34L	626	CA
1	Cylinder	2200-_-D06	626	Corbin
1	Door closer	P4040-REG	689	LCN
1	Power transfer	9508 x LR	626	RCI

Door: P1.1

Group 003

1	Electric lock	*CL180-SPA-RX	626	CA
1	Cylinder	2200-_-D06	626	Corbin
1	Door operator	SW100	628	Besam
1	Relay	CX-22	Blc	Camden
2	Actuators	10PBS6LL	630	BEA
2	Mounting box	10BOX65QSM	Black	BEA
1	Electric strike	6223 24V	630	V-D
2	Power transfer	9508 x LR	626	RCI
* Ensure 3 3/4" backset				
* 120V power required				

Doors: P1.6, P1.3

Group 004

1	Lock	CL180-RX-L6	626	C-Access
1	Cylinder	2200-_-D06	626	Corbin
1	Power transfer	9508 x LR	626	RCI

Doors: P0.4, P1.8, P2.1

Group 005

1	Lock	ML91 EU-RX-06-24VDC	626	CA
1	Mortise cylinder	1000-114-A_-6-D06	626	Corbin
1	Door closer	P4040-REG		LCN
1	Power transfer	9508 x LR	626	RCI

Door: P0.3, P1.5

Group 006

1	Lock	ML91RX-06	626	CA
1	Mortise cylinder	1000-114-A_-6-D06	626	Corbin
1	Door operator	SW100	628	Besam
1	Relay	CX-22	Blc	Camden
2	Actuators	10PBS6LL	630	BEA

DOOR HARDWARE

2	Mounting box	10BOX65QSM	Black	BEA
1	Electric strike	6223 24V	630	V-D
2	Power transfer	9508 x LR	626	RCI
*	120V power required			

Door P0.3

Dismantle wall-mounted door holder

**Doors: P0.5, P0.5A,
Group 007**

1	Continuous hinge	780-224 x H.R.	CLR	Roton
1	Lock	ML91 EU-RX-06-24VDC	626	CA
1	Mortise cylinder	1000-114-A_-6-D06	626	Corbin
1	Door closer	4041-S-Cush		LCN
1	Power transfer	9508 x LR	626	RCI
1	Smoke gasket	CF-10 x perim	Black	Unique
1	Auto. Door Bottom	50K x L.R.	AL	Unique

Note:

Card readers and other access components supplied by Engineer.

New locks must be subject to existing key system.

New locks must have unique key.

Provide 3 copies of this key.

END OF SECTION

FOR TENDER

GYPSUM BOARD ASSEMBLIES

PART 1 - GENERAL

1.1 RELATED WORK

- .1 Section 08 11 14 – Metal Doors and Frames
- .2 Section 08 14 10 – Flush Wood Doors
- .3 Section 08 71 10 – Door Hardware
- .4 Section 09 91 23 – Interior Painting

1.2 REFERENCES

- .1 Unless otherwise indicated, perform Work in compliance with ACNOR A82.31.
- .2 ASTM D1037.
- .3 ASTM A 118.9.
- .4 ULC-S 126.
- .5 ULC-S 107.M.

1.3 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Supply all data sheets and proposed products.

1.4 IMPLEMENTATION

- .1 This section consists mainly in patching gypsum board surfaces damaged by the routing of electrical conduits required by Section 08 71 10 – Door Hardware.
- .2 Maintain temperature minimum 10° C, maximum 21° C for 48 hours prior to and during application of gypsum boards and joint treatment, and for at least 48 hours after completion of joint treatment.
- .3 Apply board and joint treatment to dry, frost free surfaces.

GYPSUM BOARD ASSEMBLIES

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Standard boards: to ASTM C 36, thicknesses as indicated on drawings, 1200 mm wide x maximum practical length, ends square cut, edges bevelled or rounded.
- .2 Fire-resistant boards (type X): to ASTM C 36, thicknesses as indicated on drawings, 1200 mm wide x maximum practical length, ends square cut, edges bevelled or rounded.
- .3 Metal furring runners, hangers, tie wires, inserts, anchors: to ASTM C645-M83.
- .4 Nails: to ASTM C 514.
- .5 Steel drill screws: to ASTM C 1002 ;
 - .1 Gypsum on wood framing: Type W, 32mm;
 - .2 Gypsum on metal framing: Type W, 32mm, for first gypsum layer and for installation of resilient channels and type G, 38mm, for second layer;
 - .3 Gypsum on gypsum: Type G, 38mm;
 - .4 Resilient channels on wood framing: Type S, 32mm;
 - .5 Gypsum on resilient channels: Type S, 25mm or 41mm.
- .6 Casing beads, corner beads, control joints and edge trim: to ASTM C 1047: metal, zinc-coated by hot-dip process 0.5 mm base thickness, perforated flanges, one piece length per location. For all rooms.
- .7 Trim (behind spandrel): Extruded aluminium, 6063 T5. Dimensions: 16mm x 22mm. Colour chosen by **Departmental Representative**. As Gordon Final Forms 1 Trim.
- .8 Acoustic sealing compound: according to requirements of Section **07 92 00** – Joint Protection.
- .9 Joint treatment materials: joint compound, joint tape and paste filler as recommended by manufacturer.

PART 3 - EXECUTION

3.1 APPLICATION

- .1 Do application and finishing of gypsum board in accordance with ASTM C840 except where specified otherwise.
- .2 Install gypsum boards in compliance with ASTM C 1280.

GYPSUM BOARD ASSEMBLIES

- .3 Erect hangers and runner channels for suspended gypsum board ceilings in accordance with ASTM C840 except where specified otherwise.
- .4 Install work level to tolerance of 1:1200.
- .5 Install furrings scheduled to receive gypsum board serving as dividing partitions and extending to the suspended ceiling or real ceiling, as the case may be.

3.2 BOARD INSTALLATION

- .1 Unless otherwise indicated, extend gypsum partitions to the underside of floor/roof slabs and decks to make partitions continuous from floor to underside of solid structure.
- .2 Do not apply gypsum board until bucks, anchors, blocking, sound attenuation, electrical and mechanical work is approved.
- .3 Apply single/double layer gypsum board to framing using laminating adhesive for the first layer and screw fasteners for second layer. (Maximum spacing of screws 300 mm oc.)
- .4 Apply gypsum board vertically or horizontally, using the method that will minimize end joints. Locate edge or end joints over supports.
- .5 Install gypsum boards with long edges parallel with structural elements. Ends and abutting edges will be on stud flanges. Use full length pieces where practical to reduce number of end joints. Properly adjust and alternate end joints. Arrange joints on opposite side of partition to arrive on different studs. Avoid these joints in apparent areas and in central part of ceiling.
- .6 Carefully cut gypsum to adjust around outlet boxes and electrical switches.
- .7 Keep at minimum distance and never install back-to-back: electrical boxes, electrical outlets and other installations. Completely cover back of devices using acoustical sealant.
- .8 Make necessary cutouts in surface board.
- .9 Screws around perimeter shall be placed not less than 9.5 mm and not more than 12.5 mm from edges and ends and opposite screws on adjacent boards.
- .10 Space screws at edges of panels 200 mm center to center and 300 mm center to center in the middle. For ceilings, 200 mm center to center. Drill screws using electric drill so that screw heads are slightly below the gypsum panel.

GYPSUM BOARD ASSEMBLIES

- .11 Apply single/double layer gypsum board to wood or metal furring or framing using screw fasteners for first layer, laminating adhesive and screw fasteners for second layer.
- .12 Apply 12 mm diameter bead of acoustic sealant continuously around periphery of each face of partitioning to seal gypsum board/structure junction where partitions abut fixed building components. Seal full perimeter of cut-outs around electrical boxes, ducts, in partitions where perimeter sealed with acoustic sealant.

3.3 SOUNDPROOF
PARTITION WALLS

- .1 Respect existing composition of acoustic partitions affected by the Work.
- .2 Fill space between framing studs with soundproof insulation wool. Install around electrical boxes and ducts.
- .3 Attach gypsum boards required according to instructions in drawings, making sure to properly treat and alternate joints.
- .4 At base, of these partitions, at top and at abutment with other partitions and around all ducts, pipes and other equipment that passes through partitions, caulk joints using acoustic sealant, according to manufacturer's recommendations to conserve required soundproofing factor according to current compositions.

3.4 FIRE-RATED SYSTEMS

- .1 Apply fire-rated systems in required areas to ensure adequate fire resistance.

3.5 ACCESSORIES

- .1 Erect accessories straight, plumb or level, rigid and at proper plane. Use full length pieces where practical. Make joints tight, accurately aligned and rigidly secured. Mitre and fit corners accurately, free from rough edges. Secure at 150 mm oc using contact adhesive for full length.
- .2 Install casing beads around perimeter of suspended ceilings cornerites on external corners.
- .3 Install casing beads where gypsum board butts against surfaces having no trim concealing junction and where indicated. Seal joints with sealant.
- .4 Install insulating strips continuously at edges of gypsum board and casing beads abutting metal window and exterior door frames, to provide thermal break.

GYPSUM BOARD ASSEMBLIES

- .5 Install cavetto mouldings at wall/ceiling junction according to instructions. Minimize number of joints; use angle mouldings and splices.

3.6 JOINT TAPE

- .1 Joint treatment is required in all areas where panels are apparent.
- .2 Maintain temperature between 13° and 21°C for an appropriate time period before, during and after application of gypsum boards and joint treatment.
- .3 Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel faces.
- .4 Finish corner beads, control joints and trim as required with two coats of joint compound and one coat of taping compound, feathered out onto panel faces.
- .5 Fill screw head depressions with joint and taping compounds to bring flush with adjacent surface of gypsum board so as to be invisible after surface finish is completed.
- .6 Sand lightly to remove burred edges and other imperfections. Avoid sanding adjacent surface of board.
- .7 Completed installation to be smooth, level or plumb, free from waves and other defects and ready for surface finish.

3.7 PAINT

- .1 Unless otherwise indicated, all apparent gypsum surfaces shall be painted as described in Section 09 91 23 – Interior Painting.

END OF SECTION

INTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 01 33 00 – Submittal Procedures.
- .2 Section 01 78 00 – Closeout Submittals.
- .3 Section 09 21 16 – Gypsum Board Assemblies.
- .4 Section 08 11 14 – Metal Doors and Frames

1.2 REFERENCES

- .1 Architectural Painting Specifications Manual, Master Painters Institute (MPI).
- .2 Systems and Specifications Manual, SSPC Painting Manual, Volume Two, Society for Protective Coatings (SSPC).
- .3 Test Method for Measuring Total Volatile Organic Compound Content of Consumer Products, Method 24 (for Surface Coatings) of the Environmental Protection Agency (EPA).
- .4 National Fire Code of Canada.

1.3 QUALITY ASSURANCE

- .1 Quality standard
 - .1 Walls: no visible defect from distance of 1000 mm, at 90° angle from examined surface.
 - .2 Ceilings: no visible defect by observer on ground, at 45° angle from examined surface, under final lighting.
 - .3 Colour and gloss of finish coat must be uniform on entire examined surface.

1.4 SCHEDULING

- .1 Submit work schedule for various stages of painting to **Departmental Representative** for approval at least 48 hours in advance of proposed operations.
- .2 Obtain written approval from **Departmental Representative** for changes in work schedule.

1.5 SUBMITTALS

- .1 Submit required data sheets and manufacturer's instructions for application or implementation of paints and products used in compliance with Section 01 33 00 - Submittal Procedures.

FOR TENDER

INTERIOR PAINTING

- .2 Submit material safety data sheets required under Workplace Hazardous Materials Information System (WHMIS).
- .3 Submit full file for all products used. Indicate all products that make up each system, specifying the following information for each.
 - .1 Product name, type and use.
 - .2 Manufacturer product number.
 - .3 Manufacturer's material safety data sheets (MSDS) for each product.

1.6 DELIVERY, STORAGE
AND HANDLING

- .1 Deliver, store and handle paint products and maintenance/spare materials in accordance with Section 01 61 00 – Product Requirements.
- .2 Labels must clearly indicate:
 - .1 Manufacturer name and address;
 - .2 Type of paint or sealer;
 - .3 Compliance with relevant standards or requirements;
 - .4 Colour number, according to list of specified colours.
- .3 Remove damaged, open or rejected products and materials from work site.
- .4 Provide secure, dry and temperature-controlled storage area, and maintain it correctly.
- .5 Follow manufacturer's recommendations with regard to storage and handling.
- .6 Store products and materials away from heat sources.
- .7 Store products and materials in well-ventilated area. Maintain room temperature within the storage between 7° C and 30° C.
- .8 Storage temperature of temperature-sensitive products and materials should never be below minimal temperature recommended by manufacturer.
- .9 Keep storage, cleaning and preparation areas clean and orderly, to the **Departmental Representative's** satisfaction. After completion of operations, return areas to clean condition, to the **Departmental Representative's** satisfaction.

INTERIOR PAINTING

- .10 Remove products from storage only in quantities required for same day use.
- .11 Meet WHMIS requirements with regard to use, storage, handling and disposal of hazardous materials.
- .12 Fire safety requirements
 - .1 Place oily rags, garbage, empty containers and materials capable of spontaneous ignition in sealed containers approved by ULC, and remove containers from work site every day.
 - .2 Handle, store, use and dispose of flammable and combustible products and materials in compliance with National Fire Code of Canada requirements.

1.7 APPLICATION
REQUIREMENTS

- .1 Apply paint only if room temperature can be maintained within limits recommended by manufacturer.
- .2 Substrate and room temperature must be within limits set by manufacturer, to the satisfaction of **Departmental Representative**.
- .3 Substrate and room temperature must be at least 10°C and no more than 32°C. Relative humidity level must not exceed 85%.
- .4 Use temporary heating method when there is no permanent way to maintain minimum recommended temperature.
- .5 Apply paint finish in areas where dust is not being generated by related construction operations or when conditions are such that airborne particles will not affect quality of finished surface.
- .6 Apply paint finish only dry, correctly cured and adequately prepared surfaces.
- .7 Surfaces to be painted must have a lighting of at least 270 lux.
- .8 Start of work implies that painter accepts finish on which paint will be applied and is as responsible as the person who prepared the surface.

1.8 PROTECTING
ADJACENT WORK

- .1 Protect adjacent Work from spots and stains using non-staining gummed paper, drop cloths and other types of appropriate protection.

FOR TENDER

INTERIOR PAINTING

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Qualified products: unless otherwise indicated, only paint products appearing on the list of qualified CGSB products shall be used in the framework of this Work.
- .2 Paint materials for different layers of paint systems shall be products of a single manufacturer.
- .3 Low odor products. Whenever possible, select products exhibiting low odor characteristics.
- .4 Reference products: Sico 6000 series or approved equivalent.

2.2 COLOURS

- .1 **Departmental Representative** will provide Colour Schedule after contract award.
- .2 Selection of colours will be from manufacturers' full range of colours.
- .3 Work consists essentially in patching gypsum surfaces affected by installation of hardware equipment. Patching means repairing and painting to make surface similar to existing, using exactly colours already in place on the site.

2.3 INTERIOR FINISHING

- .1 System for gypsum panel walls.
 - .1 Primer: one coat of 100% acrylic latex primer-sealer, to 1-GP-119, such as Sico 870-130.
 - .2 Finish: two coats of latex platinum finish, to GP 1.209-93, such as Sico 874 series.
- .2 System for gypsum panel ceilings.
 - .1 Primer: one coat of 100% acrylic latex primer-sealer, to 1-GP-119, such as Sico 870-130.
 - .2 Finish: two coats of latex flat finish for interior ceilings, to GP 1.100-M89, such as Sico 871 series.
- .3 System for interior door frames, steel doors and interior metal surfaces coated with zinc:
 - .1 For painted surfaces, plan for full mechanical stripping.
 - .2 Clean metal surfaces using phosphoric acid, such as Sico 635-104. Rinse with water.
 - .3 Immediately apply one coat of latex primer for galvanized metal, such as Sico 635-045.

FOR TENDER

INTERIOR PAINTING

.4 Finish: two coats of 100% acrylic/urethane, to 1-GP-1.154, such as Sico 261.

2.4 CHOICE AND NUMBER
OF PAINT COATS

- .1 Notwithstanding what is described in paint systems to use, use sufficient number of extra paint coats to obtain complete and uniform masking (to avoid transparency), to the **Departmental Representative's** satisfaction.

PART 3 – EXECUTION

3.1 GENERAL

- .1 **Perform operations for interior painting in accordance with CAN/CGSB-85.100 except where specified otherwise.**
- .2 Apply all paint materials in accordance with paint manufacturer's written application instructions on all new exposed elements and all new unfinished surfaces, except when clearly specified otherwise in plans and specifications.

3.2 PREPARATION

- .1 Prior to commencing painting operations, remove electrical cover plates, light fixtures, surface hardware on doors, les door stops, and other surface mounted fasteners and accessories. Store items in secure location and reinstall after painting is completed.
- .2 Move and cover furniture and portable equipment as necessary to carry out painting operations. Replace as painting is completed.
- .3 Place "WET PAINT" signs in occupied areas as painting operations progress. Signs to approval of **Departmental Representative**.

3.3 PROTECTION

- .1 Protect existing building surfaces that do not need to be painted from paint spatters, markings and other damage. If damaged, clean and restore surfaces as directed by **Departmental Representative**.
- .2 Cover or mask windows and decorative hardware near surfaces to paint to protect them from paint drops and spatters using non-staining covers.

FOR TENDER

INTERIOR PAINTING

- .3 Protect items that are permanently attached, such as fire rating labels of doors and frames.
- .4 Protect factory finished products and equipment.
- .5 Protect building occupants and general public in and about the building.

3.4 EXISTING CONDITIONS

- .1 Investigate existing substrates for problems related to proper and complete preparation of surfaces to be painted. Report to **Departmental Representative** damages, defects or unsatisfactory or unfavourable conditions before proceeding with work.
- .2 Regulate moisture level of surfaces to be painted. Do not begin work until the condition of substrates is acceptable, according to manufacturer's recommendations.
- .3 Maximum moisture content as follows.
 - .1 Plaster and gypsum board: 12%.
 - .2 Masonry/concrete: 12%.
 - .3 Concrete blocks/bricks: 12%.
 - .4 Wood: 15%.

3.5 CLEANING

- .1 Clean the surfaces to be painted as follows.
 - .1 Remove dust, dirt and other foreign materials; wipe with dry, clean cloths.
 - .2 Wash surfaces with a trisodium phosphate solution and clean warm water using a stiff bristle brush to remove dirt, oil and other surface contaminants.
 - .3 Rinse scrubbed surfaces with clean water until foreign matter is flushed from surface.
 - .4 Allow surfaces to drain completely and dry thoroughly.
- .2 Prevent contamination of cleaned surfaces by grease, oil, solvents, salts, alkalis, acids and other corrosive chemicals before prime coat is applied and between applications of remaining coats. Apply primer, paint, or pretreatment as soon as possible after cleaning and before deterioration occurs.
- .3 Sand existing surfaces presenting an intact, smooth or very glossy finish, to provide adequate adhesion of new paint.

INTERIOR PAINTING

3.6 SURFACE
PREPARATION

- .1 Prepare new wood surfaces in compliance with requirements of CGSB 85-GP-1M.
 - .1 Apply vinyl sealer over knots, pitch, sap and resinous areas in compliance with CAN/CGSB-1.126.
 - .2 Apply wood filler to nail holes and cracks.
 - .3 Tint filler to match stains for stained woodwork.
- .2 Where possible, apply paint to new wood surfaces, including those that will be hidden once the work is completed.
- .3 Prepare plaster or gypsum surfaces in compliance with CGSB 85-GP-33M.

3.7 PREPARATION OF
METAL SUBSTRATE
SURFACES

- .1 Clean metal surfaces to be painted by removing rust, loose mill scale, dirt, welding slag, oil, grease and other foreign substances using the following methods, to reach the degree of preparation set by the SSPC.
 - .1 Solvent: SSPC-SP-1.
 - .2 Manual tool: SSPC-SP-2.
 - .3 Mechanical tool: SSPC-SP-3.
 - .4 Commercial paint stripping: SSPC-SP-6.
 - .5 Light sanding: SSPC-SP-7.
- .2 Clean existing metal surfaces as follows: remove peeling, cracking, chipped or non-adherent paint, rust, loose mill scale, dirt, welding slag, oil, grease and other foreign substances using the following methods, to reach the degree of preparation set by the SSPC.
 - .1 Scrape edges of paint film to the healthy coat. In areas where the former paint film is sufficiently thick and in good condition, fix exposed edges.
 - .2 Submit rusted and exposed metal surfaces to commercial sandblasting where paint has not held. Using the following methods, to reach the degree of preparation set by the SSPC.
 - .3 Solvent: SSPC-SP-1.
 - .4 Manual tool: SSPC-SP-2.
 - .5 Mechanical tool: SSPC-SP-3.
 - .6 Commercial paint stripping: SSPC-SP-6.
 - .7 Light sanding: SSPC-SP-7.

INTERIOR PAINTING

- .3 Remove all traces of paint stripper from surfaces; clean corners and cavities using clean brushes.
- .4 Using a primer compliant with provisions of relevant section, touch up in compliance with CGSB 85-GP-10M surfaces having received a workshop applied primer. Touch ups must also include the cleaning and painting of connections, welds, rivets, nuts, washers, bolts and damaged or defective paint and rusted areas.
- .5 Prepare new steel surfaces normally exposed to a dry environment in compliance with CGSB 85-GP-14M.
- .6 Prepare painted steel surfaces normally exposed to a dry environment in compliance with CGSB 85-GP-15M.
- .7 Prepare galvanized or zinc-plated steel surfaces in compliance with CGSB 85-GP-16M.

3.8 MIXING

- .1 Mix ingredients in paint containers prior to and during application to ensure break-up of lumps, complete dispersion of settled pigment, and colour and gloss uniformity.
- .2 Thin paint for spraying according to paint manufacturer's instructions. If directions are not on container, obtain instructions in writing from manufacturer and provide copy of instructions to **Departmental Representative**.

3.9 APPLICATION

- .1 Apply paints according to manufacturer's written instructions unless otherwise indicated.
- .2 Use dipping, sheepskins or daubers only when no other method is practical in places of difficult access and only when specifically authorized by **Departmental Representative**.
- .3 Apply coats of paint as a continuous film of uniform thickness. Repaint thin spots or bare areas before next coat of paint is applied.
- .4 Allow surfaces to dry and properly cure after cleaning and between subsequent coats for minimum time period as recommended by manufacturer.
- .5 Sand and dust between coats to remove visible defects.
- .6 Finish top, bottom, edges and cutouts of doors after fitting as specified for door surfaces.

FOR TENDER

INTERIOR PAINTING

- .7 Apply primer coat and first coat by spray and apply finishing coat using roller.

3.10 MECHANICAL AND ELECTRICAL EQUIPMENT

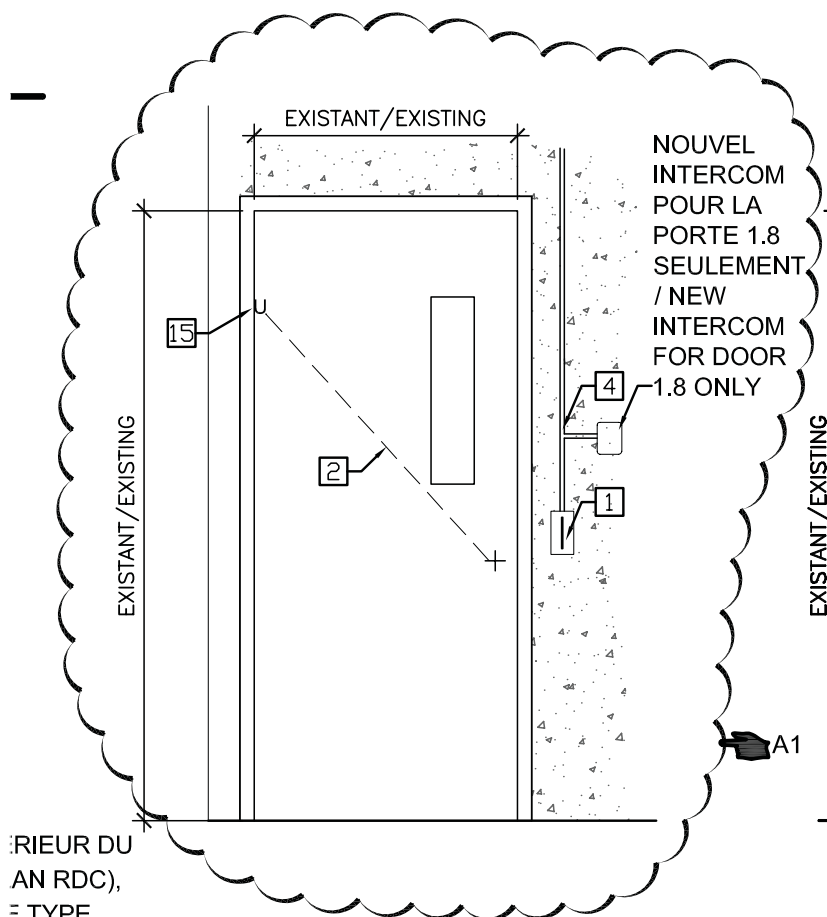
- .1 Except as indicated, leave conduits, piping, ductwork, hangers, and other mechanical and electrical equipment in original finish.
- .2 Touch up scratches and marks on factory painted finishes and equipment with paint as supplied by equipment manufacturer.
- .3 Apply a coat of primer and a coat of flat black paint to interior surfaces of exposed vent ducts behind grills, registers and diffusers.

3.11 RESTORATION

- .1 Clean and re-install all hardware items removed before undertaken painting operations.
- .2 Remove protective coverings and warning signs as soon as practical after operations cease.
- .3 Remove paint splashings on exposed surfaces that were not painted. Remove smears and spatter immediately as operations progress, using compatible solvent.
- .4 Protect freshly completed surfaces from paint droppings and dust to approval of **Departmental Representative**. Avoid scuffing newly applied paint.
- .5 Restore areas used for storage, cleaning, mixing and handling of paint to clean condition as approved by **Departmental Representative**.


END OF SECTION

FOR TENDER



INTÉRIEUR DU
 (AN RDC),
 TYPE
 BUILDING
 THE
 (ATION) P1.8 AND P2.2 ELEVATION/

16 ÉLÉVATION P1.8 et P2.2
 04 1:25

 60, CÔTE DINAN QUÉBEC QC G1K 8N6 T. 418 694-9041 F. 418 694-9061 BGLA.CA	PROJET:	TPSGC-SÉCURITÉ	12-1785A
	TITRE:	ÉLÉVATION P1.8 PLAN A04 / ELEVATION P1.8 PLAN A04	
	ÉCHELLE:	1:25	
	DATE:	1 OCTOBRE 2014	FEUILLE NO: 1

DOORS, FRAMES AND HARDWARE TABLE																
IDENTIFICATION			DOORS								FRAMES					
NUMBER	FROM	TO	WIDTH	HEIGHT	THICKNESS	MATERIALS	TYPE	GLAZING	ULC (minutes)	MATERIALS	TYPE	ULC (minutes)	HARDWARE GROUP	COMMENTS		
BASEMENT																
P0.0	B-010	ASC.	EXISTING								EXISTING				-	
P0.1	C-010	ESC. 1	EXISTING								EXISTING				002	
P0.2	B-011	C-001B	2 X 915	2135	45	B	-	V.B.	20	AC	-	20	001	1, 2, 3		
P0.3	B-010	B-015	EXISTING								EXISTING				006	4
P0.4	B-015	ESC. 2	EXISTING								EXISTING				005	4
P0.5	B-015	B-005	915	2135	45	B	-	-	-	EXISTING				007	1, 2	
P0.5A	B-003	B-005	915	2135	45	AC	-	V.T.	-	EXISTING				007	1, 2	
P0.6	B-015	B-003	EXISTING								EXISTING				002	
P0.7	TUNNEL	ESC.2	EXISTING								EXISTING				-	4
LEVEL 1																
P1.1	C-109A	C-110	EXISTING								EXISTING				003	
P1.2	C-101	B-148	2 X 915	2135	45	B	-	V.B.	20	AC	-	20	001	1, 2, 3		
P1.3	B-151	B-148	EXISTING								EXISTING				004	
P1.4	ESC.1	B-147	EXISTING								EXISTING				002	
P1.5	A-109	B-147	EXISTING								EXISTING				006	4
P1.6	B-149	B-147	EXISTING								EXISTING				004	
P1.7	B-146A	EXT.	EXISTING								EXISTING				-	
P1.8	B-150	ESC.2	EXISTING								EXISTING				005	
LEVEL 2																
P2.1	B-244	ESC.1	EXISTING								EXISTING				005	
P2.2	B-246	ESC.2	EXISTING								EXISTING				002	
DOORS, FRAMES AND HARDWARE LEGEND																
MATERIALS																
AC: PAINTED STEEL																
B: STAINED AND VARNISHED WOOD																
ALU: ALUMINIUM																
TYPE OF GLAZING																
V.B. WIRED GLASS																
V.T. CLEAR TEMPERED GLASS																
GLAZING IN NEW DOORS																
COMMENTS																
1. DIMENSIONS OF NEW DOORS AND FRAMES MUST BE VERIFIED ON SITE .																
2. THE DIRECTION OF NEW DOORS' SWING IS INDICATED IN THE PLANS.																
3. NEW STEEL FRAME : SEE DETAIL #21 ON SHEET A04.																
4. STEEL DOOR COVERED WITH WOOD VENEER ON EACH SIDE.																



 60, CÔTE D'INAN QUÉBEC QC G1K 8N6 T. 418 694-9041 F. 418 694-9061 BGLA.CA	PROJET:	TPSGC-SÉCURITÉ	12-1785A
	TITRE:	TABLEAU PORTES, CADRES ET QUINCAILLERIE, PLANS A03 ET A04 / DOORS, FRAMES AND HARDWARE TABLE, PLANS A03 ET A04	
	ÉCHELLE:	AUCUNE	
	DATE:	7 OCTOBRE 2014	FEUILLE NO: 2

TABLEAU DES PORTES, CADRES ET QUINCAILLERIE															
IDENTIFICATION			PORTES							CADRES					
NUMÉRO	DE	A	LARGEUR	HAUTEUR	ÉPAISSEUR	MATÉRIAUX	TYPE	VITRAGE	ULC (minutes)	MATÉRIAUX	TYPE	ULC (minutes)	GROUPE QUINCAILLERIE	REMARQUES	
SOU5-SOL															
P0.0	B-010	ASC.	EXISTANT							A1		EXISTANT		-	
P0.1	C-010	ESC. 1	EXISTANT			A1	B	EXISTANT		A1	AC	EXISTANT		002	
P0.2	B-011	C-001B	2 X 915	2135	45	B	-	V.B.	20	AC	-	20	001	1, 2, 3	
P0.3	B-010	B-015	EXISTANT			AC	EXISTANT		AC	EXISTANT		006	4	A1	
P0.4	B-015	ESC. 2	EXISTANT			A1	AC	EXISTANT		A1	AC	EXISTANT		005	4
P0.5	B-015	B-005	915	2135	45	B	-	-	-	EXISTANT		007	1, 2		
P0.5A	B-003	B-005	915	2135	45	AC	-	V.T.	-	EXISTANT		007	1, 2		
P0.6	B-015	B-003	EXISTANT			B	EXISTANT		AC	EXISTANT		002			
P0.7	TUNNEL	ESC.2	EXISTANT			AC	EXISTANT		AC	EXISTANT		-	4	A1	
NIVEAU 1															
P1.1	C-109A	C-110	EXISTANT			AC	EXISTANT		AC	EXISTANT		003			
P1.2	C-101	B-148	2 X 915	2135	45	B	-	V.B.	20	AC	-	20	001	1, 2, 3	
P1.3	B-151	B-148	EXISTANT			B	EXISTANT		AC	EXISTANT		004			
P1.4	ESC.1	B-147	EXISTANT			B	EXISTANT		AC	EXISTANT		002			
P1.5	A-109	B-147	EXISTANT			AC	EXISTANT		AC	EXISTANT		006	4	A1	
P1.6	B-149	B-147	EXISTANT			B	EXISTANT		AC	EXISTANT		004			
P1.7	B-146A	EXT.	EXISTANT			ALU	EXISTANT		ALU	EXISTANT		-			
P1.8	B-150	ESC.2	EXISTANT			B	EXISTANT		AC	EXISTANT		005			
NIVEAU 2															
P2.1	B-244	ESC.1	EXISTANT			B	EXISTANT		AC	EXISTANT		005			
P2.2	B-246	ESC.2	EXISTANT			B	EXISTANT		AC	EXISTANT		002			
LÉGENDE PORTES, CADRES, ET QUINCAILLERIE															
MATÉRIAUX															
AC: ACIER PEINT B: BOIS TEINT ET VERNI A1 ALU: ALUMINIUM															
TYPE DE VERRE															
V.B. VERRE BROCHÉ V.T. VERRE TREMPÉ CLAIR VITRAGE DANS LES NOUVELLES PORTES															
REMARQUES															
1. LES DIMENSIONS DES PORTES ET CADRES NOUVEAUX SONT À VÉRIFIER SUR PLACE. 2. LE SENS D'OUVERTURE DES NOUVELLES PORTES EST CELUI INDIQUÉ AUX PLANS. 3. NOUVEAU CADRE EN ACIER : VOIR LE DÉTAIL #21 DE LA FEUILLE A04. 4. PORTE D'ACIER RECOUVERTE D'UN PLACAGE DE BOIS DE CHAQUE CÔTÉ.															

 60, CÔTE DU QUÉBEC QUÉBEC Q1K 8N6 T. 418 694-9041 F. 418 694-9061 BGLA.CA	PROJET:	TPSGC-SÉCURITÉ		12-1785A
	TITRE:	TABLEAU PORTES, CADRES ET QUINCAILLERIE, PLANS A03 ET A04 / DOORS, FRAMES AND HARDWARE TABLE, PLANS A03 ET A04		
	ÉCHELLE:	AUCUNE		
	DATE:	7 OCTOBRE 2014		FEUILLE NO: 3