



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave. Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6  
Bid Fax: (780) 497-3510

## SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

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

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

### Comments - Commentaires

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

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada  
ATB Place North Tower  
10025 Jasper Ave./10025 ave Jasper  
5th floor/5e étage  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> Fit up GOCB	
<b>Solicitation No. - N° de l'invitation</b> EV385-173119/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> PWGSC EV385-173119	<b>Date</b> 2017-05-10
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWU-066-11068	
<b>File No. - N° de dossier</b> PWU-7-40010 (066)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-05-18</b>	<b>Time Zone</b> Fuseau horaire Mountain Daylight Saving Time MDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lee, Mony	<b>Buyer Id - Id de l'acheteur</b> pwu066
<b>Telephone No. - N° de téléphone</b> (780) 224-6675 ( )	<b>FAX No. - N° de FAX</b> (780) 497-3510
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

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

## **SOLICITATION AMENDMENT 002**

**This amendment is raised to modify solicitation EV385-173119/A as follows:**

### **Revision 1:**

#### **EXTENSION OF TIME**

Notice is hereby given that the time for the reception of bids previously due May 16, 2017 is extended to **14:00, May 18, 2017.**

### **Revision 2:**

See attached Addendum 1.

See attached site visit attendance register.

All other terms and conditions of the Invitation to Tender remain unchanged.

**Part 1 General**

**1.1 ADDENDUM FORM**

This Addendum forms part of the Contract Documents and modifies the Bidding Documents dated February 17<sup>th</sup>, 2017, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder at the Owner's discretion.

This addendum consists of two (2) pages plus the following list of attached documents:

No.	Document Title	Issue Date
	Detail Drawing "Access Control – Elevation of Single Door with Contact, Frame Mounted Reader and Electric Strike"	n/a
	Detail Drawing "Protected Door – Elevation of Single Door with Door Contact"	n/a
	PTSS Conduit & Cabling Specifications	May 5, 2017
	PTSS Floor Plan	May 5, 2017

**1.2 CHANGES TO DRAWINGS**

.1 Electrical

- .1 Drawing 3/A3: **REVISE** conduit system for the security system devices to match the attached documents.

**1.3 APPROVAL OF PROPOSED PRODUCTS/SYSTEMS**

.1 Mechanical

- .1 Nailor Industries shall be accepted as equal for grilles, registers, diffusers and terminal devices.

**1.4 QUESTIONS**

.1 General

- .1 Elevator use must be coordinated with the Building Manager, and is generally available Monday – Friday, between 08:00 – 16:30. A special access card will be provided.
- .2 On-site area for garbage material is not available. However, space in room adjacent to loading dock on the East side of the building may become available. Coordinate with Building Manager.
- .3 General Contractor to allow for relocation of existing furniture from suite 404 to suite 403 as directed by Tenant. Tenant will connect all computers and printing equipment.

.2 Mechanical

- .1 Mechanical Equipment Schedules can be found within the “Specifications” folder (file name: 157 4<sup>th</sup> FI Fit Up IFC project Manual 2017 02 17) after “Division 25 – Integrated Automation” on pages 311 – 313.

**END OF ADDENDUM NUMBER NO. 1**

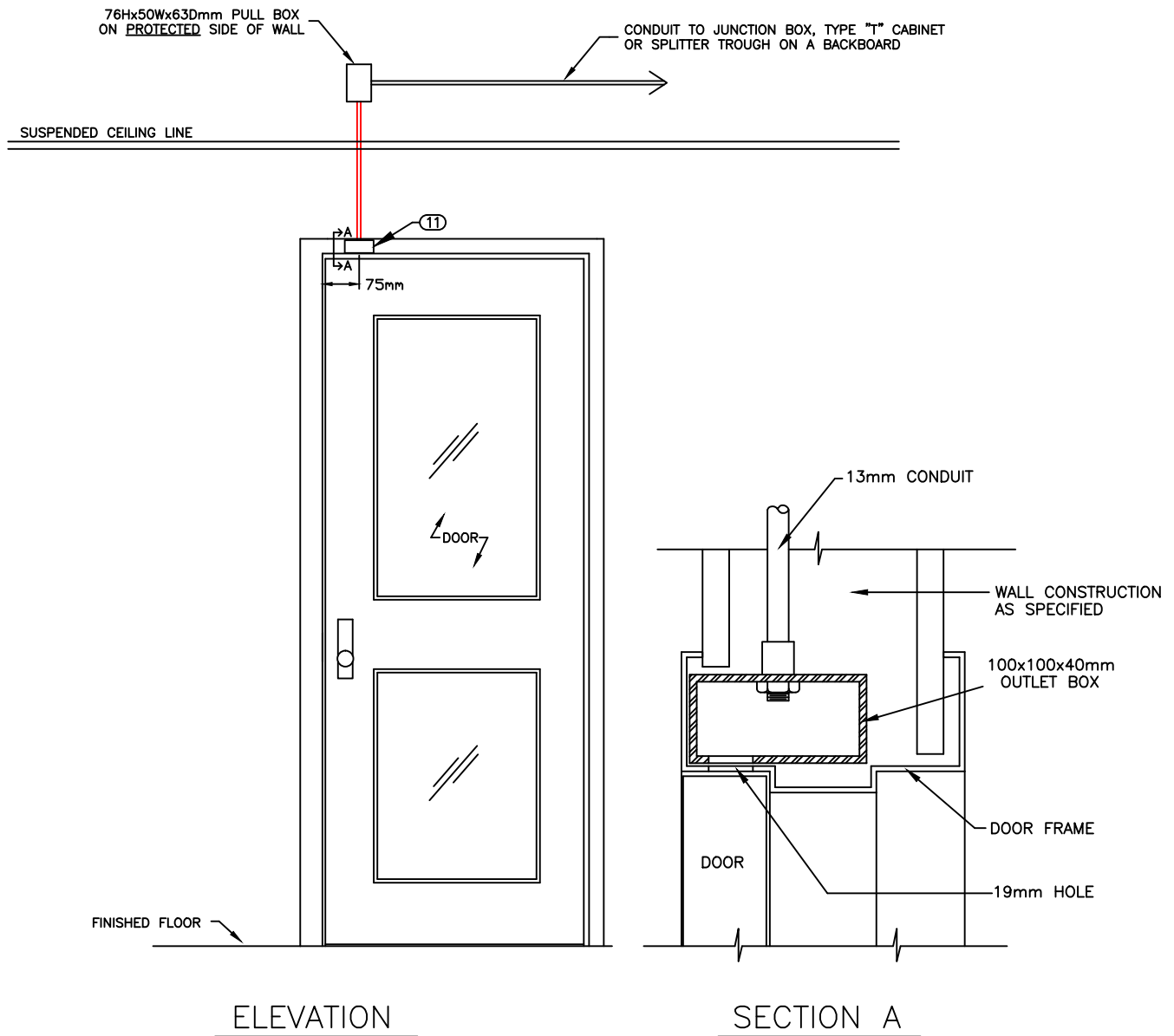
# ACCESS CONTROL – ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, FRAME MOUNTED READER AND ELECTRIC STRIKE



DRILL A 19MM HOLE AT 75MM (CENTER POINT) FROM THE EDGE OF THE DOOR CASING TO ALLOW FOR DOOR SWITCH INSTALLATION AND ACCESS TO WIRING.

## Detail Drawing

### PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT



#### NOTES:

CONDUIT CONNECTOR TO BE MOUNTED AND FASTENED TO THE OUTLET BOX BY DOOR FRAME FABRICATOR.

OUTLET BOX TO BE SPOT WELDED IN PLACE BY DOOR FRAME FABRICATOR.

DRILL A 19MM HOLE AT 75MM (CENTER POINT) FROM THE EDGE OF THE DOOR CASING TO ALLOW FOR DOOR SWITCH INSTALLATION AND ACCESS TO WIRING.

SCALE: N.T.S.

File: Data\ACAD\Detail Drawings\Protected Door - Elevation of Single Door as of 20yy-mm-dd.dwg

# **Project R.075025.004**

**PTSS Conduit & Cabling Specifications**

**as of 2017-05-05**

## 1. GENERAL

### 1.1 General Requirements

- 1.1.1 Wherever practical and reasonable, all cabinets and electrical boxes shall be installed in the locations shown on the attached floor plans.
- 1.1.2 Drawings show conduit connection requirements. Actual conduit runs shall run parallel to building lines.
- 1.1.3 Unless specified otherwise, all conduits shall be sized according to the number of cables in the run. Maximum conduit fill is 50%.
- 1.1.4 Unless specified otherwise, all junction boxes (J1, J2, J3, etc.) shall be steel and sized according to the number of conduits they must accommodate.
- 1.1.5 All conduits to the A2 splitter trough shall enter the room **from the ceiling**. Wall space below the splitter trough is reserved for PTSS equipment.
- 1.1.6 Unless noted otherwise, all cables pulled to the A2 splitter trough shall have no less than **6000mm** of cable slack in the splitter trough.
- 1.1.7 Unless noted otherwise, all cables terminating in a device or outlet box shall have no less than **600mm** of cable slack at the device/outlet box.
- 1.1.8 All cables terminating in a cabinet, a splitter trough, a device box, a utility box or an outlet box shall be labelled.
- 1.1.9 The contractor shall test all cables installed as part of this contract for opens, grounds and shorts. The contractor shall replace any cables found to be defective by the owner.



## **2. MATERIALS & PRODUCTS**

### **2.1 Conduit**

2.1.1 Unless specified otherwise, all conduits shall be steel.

### **2.2 Junction, Outlet and Pull Boxes**

2.2.1 Unless specified otherwise, all outlet, device and pull boxes shall be steel.

### **2.3 Splitter Troughs**

2.3.1 Sheet metal enclosure, welded corners and formed hinged cover suitable for locking in closed position.

### **2.4 Cable**

2.5.1 All 4 pair Telephone Type (Cat3) cables shall be Belden DIW4 D-Inside Cable, **24 AWG**, CMR, Category 3 solid copper with a grey jacket (or equivalent).

2.5.2 All Category 5e (Cat5e) cables shall be Belden 1583A cable (or equivalent).

2.5.3 All LVT cables shall be four (4) conductor #18 solid AWG Standard Control LVT cable.

2.5.4 All single pair shielded Low-Impedance cable shall be Belden 8422 (or equivalent).

2.5.5 All 8 conductor overall shielded cable shall be General/Carol C0764A cable (or equivalent).

### **2.5 Pull Cord/Tape**

2.6.1 Polypropylene type, 200 lb tensile strength minimum.

### 3. **EXECUTION**

#### **A2 Splitter Trough**

1. Supply and install one Hoffman AST283R 610W X 152H X 114Dmm Splitter Trough centered 2300mm A.F.F..
2. Install a duplex 120VAC receptacle 150mm to the left of the splitter trough:
  - Do not run 120VAC inside the splitter trough.
  - This duplex receptacle shall be wired to a separate 120VAC circuit, on its own breaker, which is connected to emergency backup power (when available).
6. Supply and install **three** structured wiring/data outlets mounted 50mm below the splitter trough.
7. Provide structured cabling from the wiring/data outlets and terminate on a patch panel in the building's Server/Router rack.
8. Provide patch cords and cross connect from patch panel to available ports on a data switch or router.

#### **J1 Junction Box**

1. Supply and install one junction box above the suspended ceiling. If the ceiling is finished the junction box should be recessed on a wall 100mm below finished ceiling but no higher than 2400mm A.F.F.. Junction box shall be sized according to the number of conduits that must be accommodated.
2. Supply and install conduit, sized to fit cables, from this junction box to the A2 splitter trough in Room 404-5 (as per floor plans).

#### **J7 Junction Box**

1. Supply and install one junction box above the suspended ceiling. If the ceiling is finished the junction box should be recessed on a wall 100mm below finished ceiling but no higher than 2400mm A.F.F.. Junction box shall be sized according to the number of conduits that must be accommodated.
2. Supply and install conduit, sized to fit cables, from this junction box to the A2 splitter trough in Room 404-5.

#### **T2 "T" Cabinet (305H X 305W X 100D)**

1. Supply and install one 305H X 305W X 100Dmm Type 1 Telephone cabinet with wood back (BEL Products TCFKO12124WB or equivalent) **mounted 150mm above the suspended ceiling on the protected side of the wall**. If the ceiling is finished, the cabinet should be recess mounted 225mm above the strike side of the

frame on the protected side of the wall. See attached detail drawings for Access Controlled doors.

2. **Cabinet must be accessible and serviceable.**
3. Supply and install conduit, sized to fit cables, from this cabinet to the A2 splitter trough in Room 404-5 (as per floor plans).
4. Supply, install and label **one** General C0764A cable (or equivalent) and **one** 4 conductor **18 AWG** solid copper LVT cable in the conduit from the T2 cabinet to the A2 splitter trough in Room 404-5.
5. Supply no less than 6000mm of cable slack at the A2 splitter trough.

## 11 Square Outlet Box

1. Supply and have door-frame fabricator spot weld one 100H X 100W X **40**Dmm square outlet box on top of the frame as per attached detail drawing "PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT".
2. Drill a 19mm hole 75mm (center point) from the edge of the door casing to allow for door switch installation and access to frame mounted outlet box.
3. Supply and install conduit from the outlet box in the door frame to a 76H X 50W X 63Dmm single gang pull box mounted above the door on the **protected** side of the wall. This pull box shall have a blank cover plate installed and shall be mounted above the suspended ceiling **OR** 100mm below the ceiling if the ceiling is finished.
4. Supply and install conduit from the pull box to a device/junction box in the area **OR** to the A2 splitter trough in Room 404-5 (as per floor plans).
5. Supply, install and label **one** 4 pair telephone (Cat3) cable in the conduit from the outlet box in the door frame to the A2 splitter trough in Room 404-5.
6. The cable slack at the outlet box in the door frame shall be tucked into the outlet box to protect the cable from damage.

## 12 Square Outlet Box

1. Supply and have door-frame fabricator spot weld one 100H X 100W X **40**Dmm square outlet box on top of the door frame as per attached detail drawing(s) for access controlled doors.
2. Drill a 19mm hole 75mm (center point) from the edge of the door casing to allow for door switch installation and access to frame mounted outlet box.
3. Supply and install conduit from the outlet box in the door frame to a T2 cabinet in the area (as per floor plan).
4. Supply, install and label **one** 4 pair telephone (Cat3) cable in the conduit from the outlet box in the door frame **to the T2 cabinet.**
5. The cable slack at the outlet box in the door frame shall be tucked into the outlet box to protect the cable from damage.

## 21 Device Box

1. Supply and install one recessed 76H X 150W X 63Dmm **three** gang device box c/w blank cover plate centered 1500mm A.F.F..
2. Supply and install conduit from this device box to another device/junction box in the area **OR** to the A2 splitter trough in Room 404-5 (as per floor plans).
3. Supply, install and label **one** 4 pair telephone (Cat3) cable in the conduit from this device box to the A2 splitter trough in Room 404-5.

## 31 Conduit to Electric Strike

1. Supply and install conduit from a point 25mm above the strike plate inside the door frame to a T2 cabinet in the area (as per floor plans).
2. Supply, install and label **one** 4 pair telephone (Cat3) cable in the conduit from the door frame **to the T2 cabinet**.
3. Leave 610mm of cable slack inside the door frame.
4. For more information, see attached detail drawing(s) for access controlled doors.

## 41 Octagon Outlet Box

1. Supply and install one 4" octagon outlet box **located no more than 305mm above** the suspended ceiling. If the ceiling is finished, the outlet box should be recess mounted and supplied with a cover plate.
2. Supply and install conduit from this outlet box to a device/junction box in the area **OR** to the A2 splitter trough in Room 404-5 (as per floor plans).
3. Supply, install and label **one** 4 pair telephone (Cat3) cable in the conduit from this outlet box to the A2 splitter trough in Room 404-5.
4. Supply no less than 3600mm of cable slack at the outlet box.

## 44 Device Box

1. Supply and install one recessed 76H X 50W X 63Dmm single gang device box c/w blank cover plate centered 100mm above the top of the door frame on the **protected** side of the wall as per attached detail drawing(s) for access controlled doors.
2. Supply and install conduit from this device box to a T2 cabinet in the area (as per floor plans).
3. Supply, install and label **one** 4 pair telephone (Cat3) cable in the conduit from this device box **to the T2 cabinet**.
4. For more information, see attached detail drawing(s) for access controlled doors.

## 62 Conduit to Frame/Mullion Mounted Device

1. Supply and install conduit from a point 1375mm A.F.F. inside the frame/mullion to a T2 cabinet in the area (as per floor plans).
2. Drill a 13mm hole in the frame/mullion, on the **unprotected** side, at a point 1300mm A.F.F..
3. Supply, install and label **one** General C0764A cable (or equivalent) from the hole in the frame/mullion **to the T2 cabinet**. Leave 610mm of slack outside of the frame/mullion.
4. For more information, see attached detail drawing(s) for access control on doors with frame mounted readers.

## 84 Octagon Ceiling Mounted Outlet Box (2-1/8" Deep)

1. Supply and install one recessed 4" octagon outlet box, 2-1/8" deep, c/w blank cover plate in the ceiling. If ceiling is suspended, the octagon outlet box shall be located 305mm **above** the suspended ceiling.
2. Supply and install conduit from this outlet box to a J7 junction box in the area (as per floor plan).
3. Supply, install and label **one** Category 5e (Cat5e) cable and **one** 4 conductor **18 AWG** solid copper LVT cable in the conduit from this outlet box to the A2 splitter trough in Room 404-5.
4. Supply no less than 2400mm of cable slack at the outlet box.
5. Supply no less than **6000mm of cable slack at the A2.**

## 91 Device Box

1. Supply and install one recessed 76H X 50W X 63Dmm single gang device box c/w blank cover plate centered 1400mm A.F.F..
2. Supply and install conduit from this device box to a J7 junction box in the area (as per floor plan).
3. Supply, install and label **one** Belden 8422 cable and **one** Category 5e (Cat5e) cable in the conduit from this device box to the A2 splitter trough in Room 404-5.
4. Supply no less than **6000mm of cable slack at the T3 cabinet.**

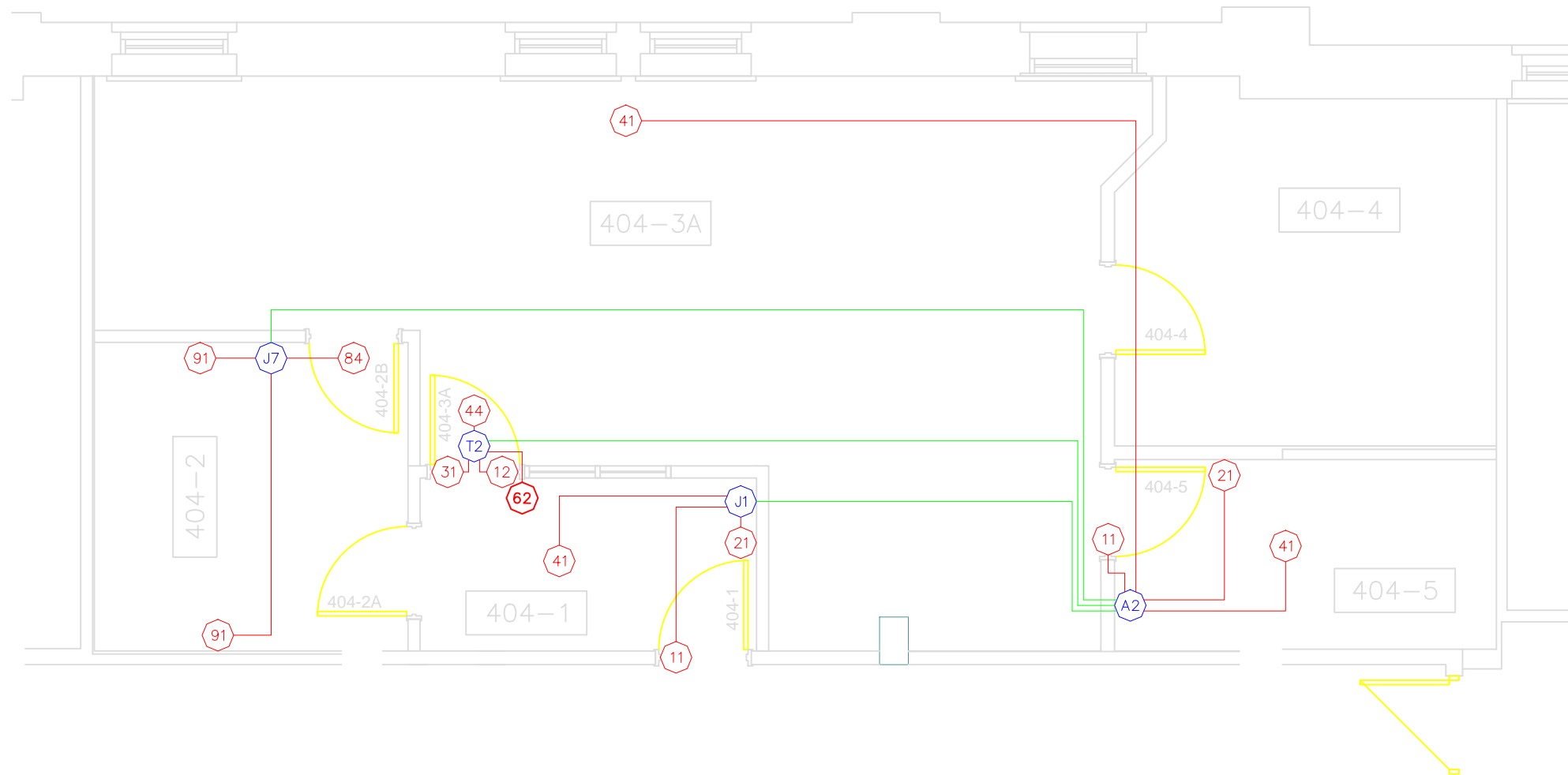
**Attachments:**

1. DETAIL DRAWING - ACCESS CONTROL - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT, **FRAME MOUNTED READER** AND ELECTRIC STRIKE
2. DETAIL DRAWING - PROTECTED DOOR - ELEVATION OF SINGLE DOOR WITH DOOR CONTACT
3. Project R.075025.004 - PTSS Floor Plan as of 2017-05-05



# DRAWING LEGEND

- 13mm Conduit unless specified otherwise
- Conduit sized to fit cables unless specified otherwise (minimum 19mm)



**PTSS**

Project R.075025.004 – PTSS Floor Plan

SCALE: n/a	DATE: 2017-05-05	SHEET: 1 OF 1	File: Project R.075025.004 – PTSS Floor Plan as of 2017-05-05.dwg
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ATTENDANCE REGISTER  
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA  
SITE VISIT








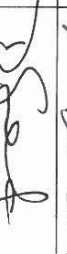



PLACE: GOCB Saskatoon, Lacombe, Alberta.

SOLICITATION NO: EV385-173119/A

PROJECT NO: R.075025.004

DATE: May 4, 2017 9:00 am  
CST

TITLE: Suite 404 Fit Up GOCB, Saskatoon, SK

COMPANY NAME	SIGNATURE	PRINT NAME	PHONE NO.	FAX NO.	BUS. CARD
Pro Service Inc		Jamie Marjoram	306 292 7960	-	
Black + McDonald		Michelle Nobush	306-385-298	-	
ACADIA CONST. MGMT. LTD.		GARRETT RADCLIFFE	306-229-2674	306-374-4738	
Black + McDonald		Sean McInnisley	306-385-6466	-	
Jon's Transportation		K. Schneider	306-291-8581		
Republic Architecture		MARLENE GRAHAM	204 989 0102	-	
Cannout Const Ltd		Rod McFarland	306 934 1819		
Shagnessy Electric		Danny Wamnya	306 664 4500		
TAB		Kara Herdin	306 384 6914		
HAID CONSULTING		KRISTA MYLES	306-314-6161		
Wm Const		Duille Johnson	306 382 8330		

CHAIRPERSON: MIKE SAEYNSKI

PHONE: 306 541 6155





**ATTENDANCE REGISTER  
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA  
SITE VISIT**

**PLACE:** GOCB Saskatoon, Lacombe, Alberta.

**SOLICITATION NO: EV385-173119/A**

PROJECT NO: R.075025.004

DATE: May 4, 2017 9:00 am  
CST

**TITLE: Suite 404 Fit Up GOCB, Saskatoon, SK**

[illegible]

CHAIRPERSON: MIKE SAEYNSKI PHONE: 306 541 6155