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Halifax
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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
Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
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Title - Sujet CFIA Dartmouth Lab Renovations	
Solicitation No. - N° de l'invitation 39903-170139/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client 39903-17-0139	Date 2016-06-27
GETS Reference No. - N° de référence de SEAG PW-\$PWA-122-5405	
File No. - N° de dossier PWA-6-76016 (122)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-06-29	Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT
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: Chinye (PWA), Chukwudi	Buyer Id - Id de l'acheteur pwa122
Telephone No. - N° de téléphone (902) 496-5476 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

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

Due to the technical nature of this amendment, it will be available in ENGLISH Only.

Amendment 004 is raised to answer the questions and incorporate the changes below:

QUESTIONS AND CLARIFICATIONS:

Question 1: Section 07 54 19 – Polyvinyl-chloride Roofing:

Min slope 1:100 (1%)

Product: PolyISO with shiplapped edges

Base layer= 4" ISO

Max height at parapet= 175mm (7")

The roof assembly R1 and R2 (on plan A2.3) have a base layer of 100 mm (4") rigid insulation. The PolyISO roof insulation starts at 12.5 mm (0.5"). A total 115 mm (4.5") total thickness at drain. In order to maintain a constant thickness at the perimeter, that thickness has to be based on the longest span from the drain to outside the perimeter. In this case, the longest span= 10975 mm @ 1% = 225 mm (36' @ 1/8" per ft = 4.5") rise. If the minimum thickness at the drain = 115 mm (4.5"), the maximum thickness at the perimeter will be 225 mm (9").

Answer to Question 1: Change previous Answer to Question 1 – Amendment 003 to read: Maintain a minimum slope of 1 % as specified and a constant height of tapered insulation at perimeter. Base layer of rigid roof insulation to remain 100 mm (4") as indicated. Change thickness of tapered insulation at perimeter of Roof #1 and Roof #2 from +175 mm as indicated on Dwg. A2.3 - Roof Plan to +225 mm (typical).

Question 2: Section 26 32 14 – Power Generation Diesel: "Will the generator enclosure meet C282"

Answer to question 2: No. The weather enclosure is not required to meet CSA C282. The weather enclosure is to be as per the specification.

SPECIFICATIONS:

1. SECTION 08 71 00 – DOOR HARDWARE

- .1 Add new specification Section 08 71 00 – Door Hardware issued by this amendment (**attached below**).

2. SECTION 26 24 03 – SERVICE ENTRANCE DISTRIBUTION SWITCHBOARD

- .1 Delete items 3.1.6 and replace with: The height of the new service entrance switchboard will not allow for the unit to be transport to it final destination within the building (main electrical room) while remaining upright. The new switchboard equipment will need to be lied down to transport through the building and under piping within the boiler room. Provide all necessary bus and breaker bracing to safely transport the equipment in this fashion without damaging. If the breakers and/or bus work need to be removed from the switchboards during the transportation through the building they are to be reinstated by the manufacturers service representative who is to produce a letter stating that the equipment is ready for service once commissioning is complete.
- .2 The width of the new switchboard may not allow it to pass through existing door # A123 to Electrical Room (A123) or door # A167 in the Corridor (A167). Include all costs of removal and reinstatement or replacement of existing doors, door frames, door hardware, concrete block walls and make good all

finishes disrupted by Work (to match existing) as required to suit installation of new switchboard. Coordinate door, door frame removals, etc. and reinstatement with all trades.

3. **SECTION 26 36 23 – AUTOMATIC LOAD TRANSFER EQUIPMENT**

1. Add item 3.1.6: The height of the new automatic load transfer switch will not allow for the unit to be transport to it final destination within the building (main electrical room) while remaining upright. The new automatic load transfer equipment will need to be lied down to transport through the building and under piping within the boiler room. Provide all necessary bus and breaker/contactors bracing to safely transport the equipment in this fashion without damaging. If the breakers/contactors and/or bus work need to be removed from the equipment during the transportation through the building they are to be reinstated by the manufacturers service representative who is to produce a letter stating that the equipment is ready for service once commissioning is complete.
2. The width of the new load transfer switch may not allow it to pass through existing door # A123 to Electrical Room (A123) or door # A167 in the Corridor (A167). Include all costs of removal and reinstatement or replacement of existing doors, door frames, door hardware, concrete block walls and make good all finishes disrupted by Work (to match existing) as required to suit installation of new load transfer switch. Coordinate door, door frame removals, etc. and reinstatement with all trades.

ARCHITECTURAL DRAWINGS:

1. **DRAWING A2.2 – PART GROUND FLOOR AND REFLECTED CEILING PLANS**

- .1 Detail 1/A2.2 – PART PLAN – GROUND FLOOR (LEVEL A)
 - .1 Add note #10 to read: “The width of the new electrical switchboard and new electrical load transfer switch may not allow it to pass through existing door # A123 to Electrical Room (A123) or door # A167 in the Corridor (A167). Include all costs of removal and reinstatement or replacement of existing doors, door frames, door hardware, concrete block walls and make good all finishes disrupted by Work (to match existing) as required to suit installation of new electrical equipment. Coordinate with Electrical.”
 - .2 Add note #11 to read: “Remove existing storage room lockset and replace with new classroom lockset - Door #A124 – Maintenance Workshop (A124). See Set 2.0 – Section 08 71 00 issued by this amendment.”

2. **DRAWING A2.3 – ROOF PLAN**

- .1 Change thickness of tapered insulation at perimeter of Roof #1 and Roof #2 from +175 mm as indicated to +225 mm (typical).

3. **DRAWING A3.1 – KEY PLAN AND NORTH ELEVATION**

- .1 DEMOLITION NOTES: Change Demolition Note #7 to read: “Remove existing out-swinging exterior steel doors, door frames and door hardware – Door # 406A (North Elevation) and Door #406B (South Elevation) as shown on Architectural Detail A201 issued by this amendment. Install new thermally broken exterior door frames, insulated exterior doors and new door hardware. Prime and paint exterior door and door frame to match colour of metal panels. See Set 1.0 – Section 08 71 00 issued by this amendment.

4. **DRAWING A3.3 – SOFFIT PLANS AND MISCELLANEOUS ELEVATIONS**

- .1 DETAIL 9/A3.3 – NORTH ELEVATION – ROOF ACCESS #1: Clarification – Exterior Door # 406A (North Elevation) changed from out swinging LHR to in swinging RH handing and Exterior Door #406B (South Elevation) changed from out swinging LHR to in swinging LH handing.

All Other Terms and Conditions Remain the Same.

PART 1 GENERAL

1.1 GENERAL REQUIREMENTS

- .1 Comply with requirements of Division 1.
- .2 Furnish and deliver all finish hardware necessary for all doors. Also hardware as specified herein and as enumerated in "Set Numbers" and as indicated and requested by actual conditions of the building. The hardware shall include the furnishing of all necessary screws, special screws, bolts, special bolts, expansion shields, drop plates and all other devices necessary for the proper installation of the hardware.
- .3 The Departmental Representative's approval of the schedule will not be construed as certifying that the list is complete. Acceptance of the Hardware Schedule does not relieve the supplier of responsibility of errors or omissions.
- .4 Hardware should not be ordered unless a corrected copy of the shop drawings is reviewed and returned from the specification writer and bearing the approval of the Departmental Representative.
- .5 Furnish, deliver and install all finish hardware necessary for all doors, also hardware as specified herein and as enumerated in hardware group indicated by actual conditions at the project site.

1.2 REFERENCES

- .1 American National Standards Institute (ANSI) A117.1 Specification
 - .1 ANSI/BHMA A156.26-2006, Continuous Hinges.
 - .2 ANSI/BHMA A156.13-2005, Mortise Locks and Latches.
 - .3 ANSI/BHMA A156.4-2000, Door Controls (Closers)
 - .4 ANSI/BHMA A156.5-2001, Auxiliary Locks and Associated Products.
 - .5 ANSI/BHMA A156.6-2005, Architectural Door Trim.
 - .6 ANSI/BHMA A156.7-2003, Template Hinge Dimensions.
 - .7 ANSI/BHMA A156.8-2005, Door Controls - Overhead Holders.
 - .8 ANSI/BHMA A156.16-2002, Auxiliary Hardware.
 - .9 ANSI/BHMA A156.18-2006, Materials and Finishes.
 - .10 ANSI/BHMA A156.21-2006, American National Standards for Thresholds.
 - .11 ANSI/BHMA A156.22-2005, Door Gasketing and Edge Seal Systems.
- .2 Canadian Standards Association (CSA)
 - .1 CAN/CSA-B651-04.Accessible Design for the Built Environment.
- .3 Canadian Steel Door Manufacturer's Association (CSDMA).
 - .1 Standard Hardware Locations in Accordance with the Canadian Steel Door and Frame Association Guidelines.

1.3 ABBREVIATIONS

- .1 The following abbreviations are applicable to this section:
 - .1 AHC Architectural Hardware Consultant
 - .2 ALD ALF Aluminum Door and Frame
 - .3 ATMS/STMS Arm/Strike to Template with Machine Screws
 - .4 BB or FBB Ball Bearing Hinges
 - .5 BC Back Check

.6	BTB	Back to Back
.7	B3E or B4E	Bevel 3 or 4 sides
.8	C to C, C/L	Centerline to Centerline
.9	CDC	Certified Door Consultant
.10	CMK	Construction Masterkeyed
.11	CSC	Construction Specifications Canada
.12	CSK	Countersunk Screw Holes.
.13	Cyl.	Cylinder of a lock
.14	Deg.	Degree of opening
.15	DEL	Delay Action
.16	DHI	Door and Hardware Institute
.17	DR	Door
.18	FC	Full Cover
.19	FTMS	Full template machine screws
.20	½ TMS	Half template machine screws
.21	GMK	Grand Masterkeyed
.22	KA/KD	Keyed Alike, Keyed Different
.23	HMD/PSF	Hollow Metal Door, Pressed Steel Frame
.24	LH/RH	Left Hand, Right Hand
.25	LHR/RHR	Left Hand Reverse, Right Hand Reverse
.26	MK or MKD	Master Keyed
.27	NBC	National Building Code
.28	NRP	Non removable pin
.29	TB/SB	Thru Bolts, Sex Bolts
.30	TJ	Top Jamb
.31	ULC	Underwriters Laboratories Canada
.32	WD	Wood Door

1.4 SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and data sheets in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Samples:
 - .1 Upon Departmental Representative's request submit samples of door hardware in accordance with Section 01 33 00 – Submittal Procedures.
 - .2 Identify each sample by label indicating applicable specification paragraph number, brand name and number, finish and hardware package number.
 - .3 After approval samples will be returned for incorporation in the Work.
- .3 Hardware List:
 - .1 Submit detailed hardware list and keying schedule in accordance with Section 01 33 00 – Submittal Procedures.
 - .2 Hardware Schedule is to be submitted as per DHI vertical format which is in the "Sequence and Format for Hardware Schedules".
 - .3 Indicate specified hardware including make, model, material, function, size, finish and other pertinent information.
 - .4 Furnish other Sections with templates required for hardware preparation and installation. Issue templates when requested so as not to cause any delays but not before hardware list has received final review by Departmental Representative.

- .5 Keying Schedule to be in accordance with DHI manual "Keying Systems Names and Nomenclature". Key schedule is not to hold up the processing of the hardware list.
- .6 Wiring Diagrams will only be supplied after the final approval of the Hardware Schedule. Submit wiring diagrams as requested for proper installation of electrical, electrical-mechanical and electrical-magnetic products.
- .4 Manufacturer's Instructions: Submit manufacturer's installation instructions.
- .5 Closeout Submittals: Provide operation and maintenance data for door closers, locksets and door holders for incorporation into Operations and Maintenance Manuals specified in Section 01 78 00 – Closeout Submittals.

1.5 WARRANTY

- .1 Provide guarantee.
 - .1 Closers 10 year
 - .2 Mortise Locks 10 year mechanical / 2 year electrical
 - .3 Hinges Lifetime of Building
 - .4 All other Hardware 1 year

1.6 QUALITY ASSURANCE

- .1 Meet requirements of National Building Code of Canada and other applicable regulations.
- .2 Upon completion of finish hardware installation, hardware supplier shall inspect work and shall certify in writing that all items and their installation are in accord with requirements of Contract Documents and are functioning properly.

1.7 PRODUCT DELIVERY, HANDLING & STORAGE

- .1 Packing, Shipping, Handling and Unloading:
 - .1 Deliver, store, handle and protect materials in accordance with Section 01 61 00 – Common Product Requirements.
 - .2 Package each item of hardware including fastenings, separately or in like groups of hardware, with necessary screws, keys, instructions and installation templates.
 - .3 All items of hardware should be itemized and tagged as per the approved Finish Hardware Schedule.
 - .4 Hardware for doors to be shipped directly to the supplier. Door finish hardware to be ordered immediately after approval of shop drawings. Delays in ordering finish hardware are not acceptable.
 - .5 Shortages will not delay installation.
 - .6 Items damaged in shipment will be replaced properly with proper material.
 - .7 All Hardware shall be handled in a manner to avoid damage, marking and scratching.
 - .8 Hardware is to be inventoried on site and confirmed by the Contractor and Hardware Supplier.
- .2 Storage and Protection:
 - .1 Store hardware in locked, clean and dry area.

1.8 WASTE DISPOSAL AND MANAGEMENT

- .1 Separate and recycle waste materials in accordance with Section 01 74 21- Construction / Demolition Waste Management and Disposal.
- .2 Collect and separate metal, plastic, paper packing and corrugated cardboard and deposit in appropriate on site recycling bins.
- .3 Dispose of corrugated cardboard, plastic packaging material in appropriate on-site bin for recycling in accordance with site waste management program.

1.9 MAINTENANCE

- .1 Provide maintenance materials in accordance with Section 01 78 00- Closeout Submittals.
- .2 Provide three sets of maintenance tools for closers and locks as well as a complete set of installation instructions.
- .3 After the building is occupied, arrange for an appointment with the Departmental Representative to instruct them of proper use, service, adjusting and maintenance of the hardware furnished in this section.

PART 2 PRODUCTS

2.1 HARDWARE ITEMS

- .1 Only locksets and latchsets listed are acceptable for use on this project.
- .2 Use one manufacturer's products only for all similar items.
- .3 Manufacturer's Listed:
 - .1 Continuous Hinges
 - .1 McKinney – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.
 - .2 Locks
 - .1 Sargent – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.
 - .3 Closers
 - .1 Sargent – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.
 - .4 Overhead Stops
 - .1 Sargent – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.
 - .5 Weatherstrip/Thresholds
 - .1 Pemko – ASSA ABLOY Door Security Solutions Canada, 160 Four Valley Drive, Vaughan, Ontario, L4H 4T9.

2.2 DOOR HARDWARE

- .1 All fasteners to come complete with the hardware as described. Hardware supplier must be Advised immediately if required fasteners are not enclosed with hardware.
- .2 Hardware must be installed with fasteners supplied by the manufacturer.

- .3 Continuous Geared Hinges: to ANSI/BMHA A156.26.
- .1 Provide continuous hinges of the type and style noted in the Hardware legend.
 - .2 To be non-handed and completely reversible.
 - .3 Material: Extruded tempered aluminium.
 - .4 Material Standard: 6063-T6 Alloy.
 - .5 Configuration: Three interlocking extrusions in pinless assembly, installed to full height of door.
 - .6 Type: Full Mortise: 45mm for extra heavy duty weights.
 - .7 Length: Full height less 25mm.
 - .8 Strength: Heavy Duty – 27 bearings each leaf for 2108mm, minimum door weight 245 kg.
 - .9 Mortise Fasteners: TEK, #12 x ¾" inch, FHUC, Philips head screws.
 - .10 Size to suite door height complete with installation aids and fasteners to suit door an frame conditions.
 - .11 Finish to Anodized Aluminum US28.
 - .12 Standard of Acceptance:

Specified	Acceptable Alternates	
<u>Pemko</u>	<u>McKinney</u>	<u>Hager (Roton)</u>
.1 CFM83SLFHD	MCK-12HD	780-112HD
- .4 Mortise locks and latches: to ANSI/BMHA A156.13, Series 1000 mortise lock, grade 1, designed for function as stated in Hardware Schedule.
- .1 Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
 - .2 Locks shall be easily re-handed without opening the lock body.
 - .3 Multi-functional lock body to make it easy to change functions in the field.
 - .4 Locks shall comply with UL10C and UBC.
 - .5 Construction: Lock functions shall be manufactured in a single-sized case formed from 2.6mm steel minimum.
 - .6 Locks shall have field adjustable, beveled, armored front, with a 3mm thickness minimum.
 - .7 Locks shall have a one piece, 19mm throw anti-friction stainless steel latch.
 - .8 Deadbolts, where specified, shall be full one inch 25mm throw made of one-piece hardened stainless steel.
 - .9 Locks shall have a 70mm backset, standard.
 - .10 Strikes shall be non-handed with a curved lip. Strikes for pairs of doors to be supplied with short lip strike (82-0229). Not to extend beyond the face of the door.
 - .11 To ensure proper alignment, trim, knobs or levers, shall be through-bolted and fully interchangeable between rose and escutcheon.
 - .12 Lever handles: "LE1L" design.
 - .13 Roses: round.
 - .14 Finished to 26D.
 - .15 Acceptable products:

Specified	Acceptable Alternates
<u>Sargent</u>	
.1 8200 – Series	

- .5 Door controls (closers): to ANSI/BMHA A156.4 as listed in Hardware Schedule.
- .1 Modern type, surface applied.
 - .2 All closers for both interior and exterior doors shall be the product of one manufacturer and be matched in style.
 - .3 Surface closers shall be adjustable to provide sizes 1 through 6 and comply with ADA.
 - .4 Full rack and pinion construction.
 - .5 Closing speed, latching speed and backcheck shall be controlled by key operated valves.
 - .6 Captivated valves.
 - .7 Delayed action feature shall be available and controlled by a separate valve.
 - .8 Delayed action shall be available in addition to, not in lieu of, backcheck.
 - .9 The one piece closer body shall be of die cast aluminum alloy with 14% silicon minimum content. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection. (Standard Arm).
 - .10 All arms shall be finely finished with heavy duty forged steel main arm.
 - .11 Two mounting positions of the closer shall meet all requirements. Standard mountings shall provide 120° door opening and alternate mounting 180° door opening.
 - .12 All closers shall be suitable for standard, top jamb, parallel arm and track type applications when provided with proper brackets and arms.
 - .13 Closer covers shall be of high impact plastic material of flame retardant grade.
 - .14 Secured by machine screws.
 - .15 Spring power shall be continuously adjustable over the full range of closer sizes and allow for reduced opening force for the physically handicapped. Hydraulic regulation shall be tamper proof, non-critical valves. Closers shall have separate adjustment for latch speed, general speed and backcheck.
 - .16 All closer to have a forged steel main arm and forged forearm for parallel arm closers.
 - .17 Finish to Aluminum 689.
 - .18 Acceptable products:

Specified	Acceptable Alternates:	
<u>Sargent</u>	<u>Norton</u>	<u>Corbin</u>
.1 351	7500	DC3000
- .6 Thresholds and Weatherstripping Thresholds: to ANSI/BMHA A156.21.
- .1 Saddle threshold 152.4 mm wide x full width of door opening, extruded aluminum mill finish, serrated surface, with thermal break of rigid PVC.
 - .2 Panic threshold 93.7 mm wide x full width of door opening, extruded aluminum mill finish, serrated surface, with lip and vinyl door seal insert.
 - .3 Acceptable products:

Specified	Acceptable Alternates	
<u>PEMKO</u>	<u>KN Crowder</u>	<u>Hager</u>
.1 255 x 5AFG	CT410A	452S

- .7 Door Gasketing and Edge Seal Systems: to ANSI/BMHA A156.22.
- .1 Head and Jamb seal:
- .1 Extruded aluminum frame and neoprene insert, clear anodized finish.
- .2 Surface overhead stops and exit device strikes to mount on top of weatherstrip to provide continuous seal.
- .3 Acceptable products:
- | | Specified | Acceptable Alternates | |
|----|-----------|-----------------------|-------|
| | PEMKO | KN Crowder | Hager |
| .1 | 2891AS | W20S | 881S |

2.3 FASTENINGS

- .1 Use only fasteners provided by manufacturer. Failure to comply may void warranties and applicable licensed labels.
- .2 Supply screws, bolts, expansion shields and other fastening devices required for satisfactory installation and operation of hardware.
- .3 Exposed fastening devices to match finish of hardware.
- .4 Use fasteners compatible with material through which they pass.

2.4 FINISHES

.1	Description	Material	BMHA
.2	Exterior Hinges	Stainless Steel Metal, Satin	630
.3	Locks	Stainless Steel Metal, Satin	630
.4	Closers	Aluminum Powder Coated	689
.5	All other items	Satin Chromium Plated	626

2.5 KEYING

- .1 All locks to be masterkeyed to the existing masterkey system. All Existing Cylinders to be reused.
- .2 All locks and cylinders to be visually keyed.

PART 3 - EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.
- .2 Furnish metal door and frame manufacturers with complete instructions and templates for preparation of their work to receive hardware.
- .3 Furnish manufacturers' instructions for proper installation of each hardware component.

3.2 INSTALLATION

- .1 Install door hardware in accordance with manufacturer's instructions, using special tools and jigs. Fit accurately and apply securely. Ensure that hardware is installed correctly. Issue instructions if required to Sections concerned.
- .2 Install hardware to standard hardware location dimensions in accordance with Canadian Metric Guide for Steel Doors and Frames (Modular Construction) prepared by Canadian Steel Door Manufacturers' Association.
- .3 Installation is to be done by a qualified tradesman, if technical assistance is required contact the hardware supplier.
- .4 Use only manufacturer's supplied fasteners. Failure to comply may void manufacturer's warranties and applicable licensed labels. Use of "quick" type fasteners, unless specifically supplied by manufacturer, is unacceptable.
- .5 Hardware should not be installed until all finishing is complete.
- .6 All hardware to be installed level plumb and true.
- .7 All operating parts to work freely and smoothly.
- .8 Exterior thresholds to be set in exterior sealants.

3.3 ADJUSTING

- .1 Adjust door hardware, operators, closures and controls for optimum, smooth operating condition, safety and for weather tight closure.
- .2 Lubricate hardware, operating equipment and other moving parts.
- .3 Adjust door hardware to provide tight fit at contact points with frames.
- .4 All defective or damaged hardware will have to be repaired or replaced at the contractor's expense.

3.4 CLEANING

- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
- .2 Clean hardware with damp rag and approved non-abrasive cleaner, and polish hardware in accordance with manufacturer's instructions.
- .3 Remove protective material from hardware items where present.
- .4 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

3.5 DEMONSTRATION

- .1 Demonstrate operation, operating components, adjustment features, and lubrication requirements.

3.6 PROTECTION

- .1 Protect all products and finishes until completion of the Work and acceptance by Departmental Representative.

3.7 HARDWARE SCHEDULE

Set: 1.0

1 Continuous Hinge	CFM x Door Height x SLF-HD1		PE
1 Store Door Lock	8226 LE1J LC	US26D	SA
2 Mortise Cylinder Existing	To be Reused	26D	SA
1 Concealed Overhead Holder	1-X26	630	RF
1 Door Closer	351 O	EN	SA
1 Threshold	255x5AFG x Door Width		PE
1 Threshold	1842APK x Door Width		PE
1 Gasketing	2891AS x 3 Sides		PE
1 Sweep	3452CNB x Door Width		PE

Notes:

WEATHERSEAL NOT TO BE BROKEN. MOUNT HARDWARE TO THE SURFACE OF THE WEATHERSEAL.

Set: 2.0

1 Existing	Remainder of Hardware Existing	Std	00
1 Classroom Lock	8237 LE1J LC	US26D	SA
1 Mortise Cylinder Existing	To be Reused	26D	SA

Door Index

Opening	Heading
Numbers	Numbers

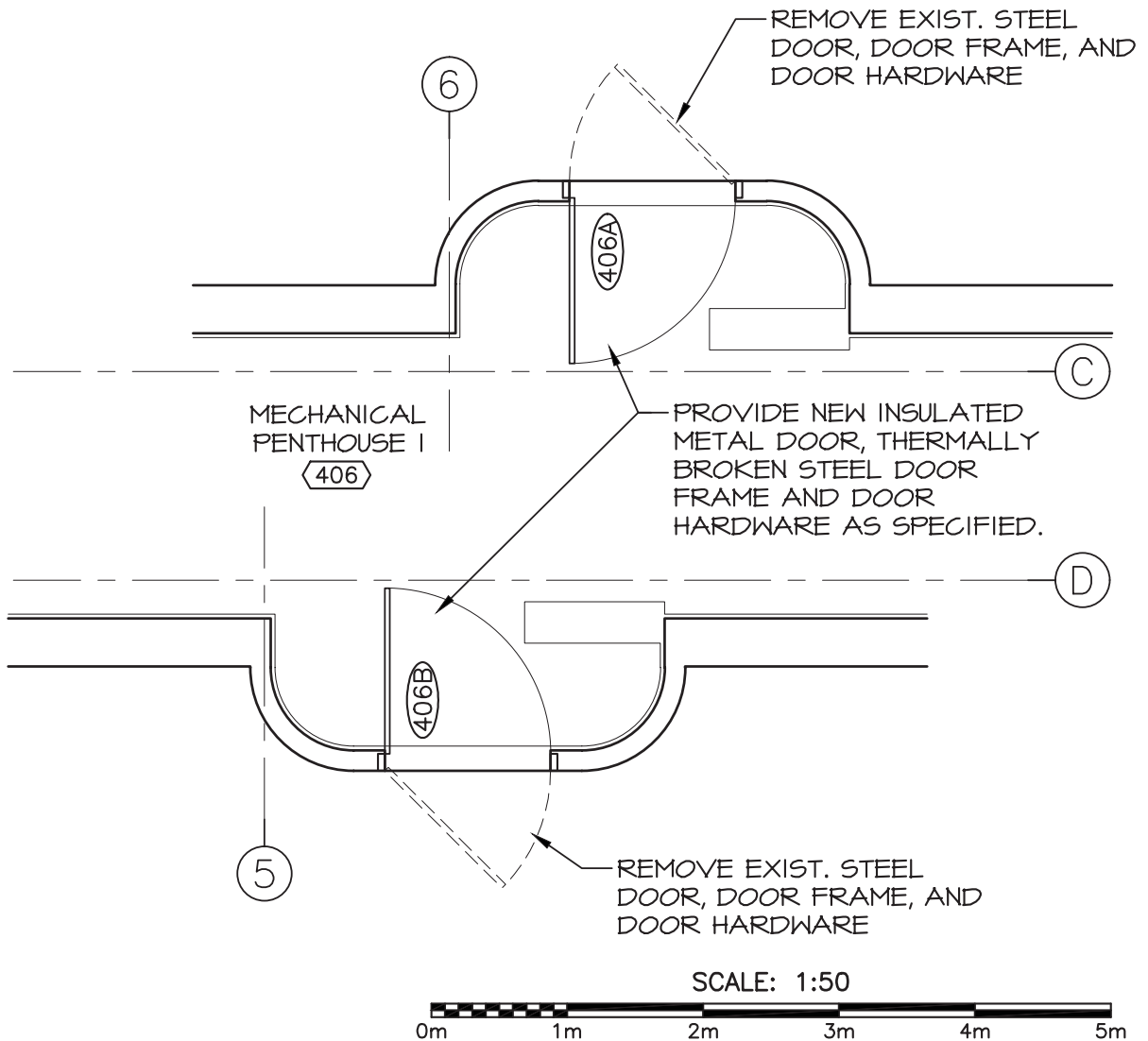
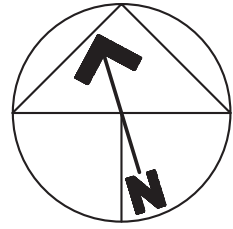
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406B	1.0
406A	1.0

Opening	Heading
Numbers	Numbers

Opening	Heading
Numbers	Numbers

END OF SECTION

PROJECT
NORTH



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

project

**CFIA LABORATORY
WALL CLADDING,
ROOFING AND
GENERATOR REPLACEMENT
DARTMOUTH, N.S.**

projet

Drawing title

Titre du dessin

**EXTERIOR DOORS –
PENTHOUSE 1**

designed

conçu

date

drawn

dessiné

date

approved

approuvé

date

RG

JUN 24–16

Tender

Soumission

PWGSC Project Manager

Administrateur de projets TPSGC

project number

no. du projet

drawing no.

no. du dessin

H0013

A201