



PHYSICAL RESOURCES

TENDER

General Contracting Services
for

**Building #046 Renovations
For
College of Social and Applied Human Sciences
Project No. 504034**

POST TENDER ADDENDUM 1

March 4 , 2019

Part 1 – GENERAL

PT-1.1 The following is provided to bidders as additional information and/or clarification and/or in response to questions.

PT-1.2 *This Addendum shall form an integral part of the Contract Documents and amends the original Specifications and Drawings and shall be read in conjunction with the Tender as issued by the University of Guelph on November 15, 2018, dated November 2, 2018. This Addendum shall take precedence over all requirements to the aforementioned Tender with which it may prove to be at variance.*

PT-1.3 Receipt of this Addendum shall be acknowledged on form Appendix C as a part of your submission. Failure to do so may subject the Proponent to disqualification.

PT-1.4 Ensure that all affected parties are aware of the items noted and include any and all cost impacts in the Tender submission.

PT-1.5 This Addendum contains:

- .1 Part 1 – GENERAL
- .2 Part 2 – CLARIFICATIONS
Specifications
Drawings

Part 2 – CLARIFICATIONS

PT-1.6 Revised bid submissions are due **3:00pm on March 29, 2019**. Refer to revisions to specifications for further clarification.

PT-1.7 As part of this post tender addendum process, a new bid form, specification section 00 41 07 – BID FORM WITH BONDING, will be required. Similarly, revised supplementary bid forms, specification section 00 43 01 LIST OF SUB-CONTRACTORS AND COST BREAKDOWN AND specification section 00 43 03 SUPPLEMENTARY BID FORM – UNIT PRICES, will be required, even if values on the bid form have not changed. Both forms have been appended to this document. Revised 00 43 05 SUPPLEMENTARY BID FORM – ITEMISED, SEPARATE AND ALTERNATIVE PRICES, will not be required, as no revisions have been made to the original scope of work covered by these forms.

PT-1.8 COMMUNICATIONS SCOPE OF WORK

- .1 It is the responsibility of the communications contractor to ensure that any relevant works described in the Division 26 drawings and specifications are completed.

SPECIFICATIONS

PT-1.9 SECTION 00 41 07 – BID FORM WITH BONDING

- .1 **REPLACE:** Specification section in entirety with revised section 00 41 07 attached to the end of this document.

PT-1.10 SECTION 00 43 03 – SUPPLEMENTARY BID FORM – UNIT PRICES

- .1 **REPLACE:** Specification section in entirety with revised section 00 43 03 attached to the end of this document.

PT-1.11 SECTION 01 14 01 – SPECIAL PROJECT REQUIREMENTS

- .1 **REPLACE:** Paragraph 1.9.1 with revised paragraph as follows:
 - “.1 Contractor to allow for entry into Wing A throughout the construction period to complete The Work.”

PT-1.12 SECTION 01 14 03 – SPECIAL PROJECT SCHEDULING REQUIREMENTS

- .1 **REPLACE:** Paragraph 1.1.9 with revised paragraph as follows:
 - “.9 Execute construction work starting April 3, 2019 (subject to receipt of regulatory approvals) and achieve Completion of Contract as defined in applicable lien legislation not later than thirty (30) days following Substantial Performance. Comply with the following milestones:
 - .1 Submit shop drawings within 120 days of award.
 - .2 Substantial Performance no later than June 30, 2020.
 - .3 Occupancy no later than June 30, 2020.”

PT-1.13 SECTION 01 21 00 – ALLOWANCES

- .1 **DELETE:** Sub-paragraph 1.2.13.2.2.3 in entirety.
- .2 **ADD:** Paragraph 1.2.13.4 “Abatement” as follows:
 - “.4 Abatement:
 - .1 Allowance: \$200,000.00
 - .2 Scope of Work:
 - .1 Perform abatement of hazardous materials, including testing and inspections of Building 046 Wings B and C, not covered by the Owner, in accordance with specification sections:
 - .1 02 82 12 – Asbestos Abatement – Type 3 Procedures
 - .2 02 83 10 – Lead-based paint abatement – Intermediate Precautions
 - .3 02 84 10 – PCB Packaging and Disposal
 - .4 02 84 11 – Mercury Packaging and Disposal
 - .5 02 87 00 – Biohazard Remediation
 - .2 Abatement costs under the cash allowances are exclusive of non-hazardous demolition costs (including but not limited to removal of ceilings, bulkheads, walls, etc.), unless the abatement requires demolition above and beyond the scope of removals indicated in the Contract Plans.

- .3 Abatementments are to be priced based on using most efficient methods complying with applicable regulations and specifications for each work area, performing abatement of various identified hazardous materials in any one area concurrently.
- .4 Each quotation for abatement to include the following Unit Prices:
 - .1 Abatement Supervisor (MTCU 253S certified) per hour.
 - .2 Asbestos Worker (MTCU 253W certified) per hour.
 - .3 Abatement Supervisor (MTCU 253S certified) – after hours per hour.
 - .4 Asbestos Worker (MTCU 253W certified) – after hours per hour.
 - .5 Removal and disposal of asbestos containing floor tile and mastic per sq.m.
 - .6 Removal and disposal of an asbestos containing parge on pipe fitting inside existing enclosure per fitting
 - .7 Removal and disposal of an asbestos containing straight pipe insulation inside existing enclosure per lin.m
 - .8 Removal and disposal of an asbestos containing parge on pipe fitting using Glove Bag per fitting.
 - .9 Removal and disposal of an asbestos containing straight pipe insulation using Glove Bag per lin.m.
 - .10 Removal and disposal of sinks with asbestos containing anti-sweat mastic each.
 - .11 Removal and disposal of asbestos containing Transite board per sq.m..
 - .12 Removal and disposal of asbestos containing sprayed applied fireproofing per sq.m.”

PT-1.14 SECTION 08 70 05 – CABINET AND MISCELLANEOUS HARDWARE

- .1 **ADD:** Sub-paragraph 2.2.9.2 as follows:
 - “.2 Grommets (Type 2): Acceptable product: ‘No. 60345090’, by Richelieu, 92 mm / 35/8” total diameter x 22 mm / 7/8” total depth, black finish.”
- .2 **ADD:** Paragraph 3.6.4 To Article 3.6 – Schedule as follows:
 - “.4 Grommets:
 - .1 Power and data grommets where indicated on the drawings.

- .2 One (1) Type 2 grommet to each of the following millwork, final location to be coordinated with client prior to installation:
 - .1 MW-125
 - .2 MW-127
 - .3 MW-206
 - .4 MW-210
 - .5 MW-214
 - .6 MW-224
 - .7 MW-228"

PT-1.15 SECTION 08 71 00 – DOOR HARDWARE – APPENDIX A FINISH HARDWARE SCHEDULE

- .1 **REPLACE:** Appendix A Finish Hardware Schedule with attached revised Finish Hardware Schedule dated February 26, 2019.

PT-1.16 SECTION 10 28 10 – TOILET AND BATH ACCESSORIES

- .1 **DELETE:** Sub-paragraph 2.3.2.1 – Adult Change Table (ACS).

PT-1.17 SECTION 20 04 01 – MECHANICAL IDENTIFICATION

- .1 Refer to Article 2.7 - PIPING SYSTEMS IDENTIFICATION
 - .1 **DELETE:** Paragraph 2.7.2 in entirety.
 - .2 **DELETE:** Paragraph 2.7.4 in entirety.
 - .3 **ADD:** Paragraph 2.7.5 as follows:
 - “.4 Snap On Pipe Identification, as indicated in 2.7.3, shall be the identification standard.”

PT-1.18 SECTION 22 11 00 – PLUMBING WATER PIPING

- .1 **DELETE:** Article 2.4 4 - DOMESTIC WATER PIPING – BUILDING INTERIOR – COPPER NPS 3 (3"Ø) AND LARGER in entirety. Note Article 2.3 shall be the reference for all domestic water piping

PT-1.19 SECTION 22 30 00 – PLUMBING EQUIPMENT

- .1 **REPLACE:** Article 2.2 - SEMI-INSTANTANEOUS DOMESTIC HOT WATER HEATER – STEAM TO WATER SHELL AND TUBE HEAT EXCHANGER with Article 2.2 as follows:
 - “2.2 **SEMI-INSTANTANEOUS DOMESTIC HOT WATER HEATER – STEAM TO WATER SHELL AND TUBE HEAT EXCHANGER**
 - .1 Semi-instantaneous shell and tube water heater assembly, heat exchangers shall be vertical, constructed according to ASME Boiler and Pressure Vessel Code and complying with ASHRAE 90.1

- .2 Performance capacity: 27 USGPM @ 100°F Delta T (40°F - 140°F).
- .3 The assembly shall be pre-piped steam to water semi-instantaneous shell and tube water heater assembly with performance matched components and pressure tested before delivery. The semi-instantaneous shell and tube water heater shall be of double wall construction with 5/8" 90/10 Copper/Nickel U-tubes expanded into stainless steel tube sheets with steam in the tubes and water in the shell. Heat exchanger will be fixed on one end of the shell and free floating on the opposite end designed and manufactured in accordance with ASME Code Section VIII.
- .4 The manufacturers mixing valve temperature controller shall be digital using integrated circuit board technology designed to deliver blended water economically at a safe and accurate temperature for use in re-circulated hot water systems. The controller shall have an electronic display for temperature setpoint control and display of delivered temperature with the option of °F or °C. Display also shows the error codes and alarm conditions. The controller shall be connected to the BAS system and provide full functional control thru the EMCS connection. The digital electronic mixing valve for the unit shall control the discharge water temperature to 120°F (+/- 4°F) thru the full range of flow.
- .5 The skid shall also be equipped with additional SS thermowells for monitoring of the system by the BAS system.
- .6 The assembly shall comprise domestic side check valves, strainers, DRV, thermometers, ball valves with stainless steel ball and stem, safety shut-off valve, shell and tube exchanger insulated with 2" of Insulation and aluminum jacket, all pre-piped with type L copper on a fabricated carbon steel heavy duty frame with machine grade enamel paint, Float and Thermostatic steam trap. Shell side recirculation pump to keep the water moving in the shell and over the temperature sensing bulb. The piping and fittings in this pump line to be stainless steel.
- .7 Complete assembly to be Lead Free compliant.
- .8 The BAS contractor (Siemens) shall supply an electronic steam control valve to the manufacturer for assembly of the skid mounted Heat Exchanger. The BAS contractor shall take control of this valve in the field and monitor the heat exchanger outlet temperature for the manufacturers temperature monitor on the recirculation system. The BAS contractor shall monitor the starter for the recirculation pump to verify flow. The Siemens electronic control valve shall modulate to generate 30 GPM with a 40°F entering cold water temperature, a 140°F hot water outlet utilizing 10 PSIG steam.

- .9 Water heater assembly shall have all of the following operational capabilities:
 - .1 +/- 4°F water temperature control from 0 to full system demand.
 - .2 Automatic shutoff of hot water flow upon cold water inlet supply failure.
 - .3 Automatic shutoff of hot water flow in the event of a power failure.
 - .4 Programmable set point range of 81-158°F (27-70°C).
 - .5 Programmable 1st level hi/lo temp alarm display.
 - .6 Programmable error temperature error level for double safety shutdown.
 - .7 LCD display which indicates: set point, delivered temperature, error codes and alarm conditions.
 - .8 Isolation valves and clean in place connections to chemically clean the exchanger without disassembly of the exchanger.
 - .9 1 ¼" domestic side pressure relief pop-off valve with 165 psig crack pressure. Self-seating.
- .10 Water heater assembly shall have the following connectivity capabilities:
 - .1 SPCO relay outputs which are energized during operation.
 - .2 Temperature transmitter installed on the mixed water outlet for direct connectivity to the BAS for read only monitoring of the mixed water temperature.
- .11 Warranty: Pre-package skid shall have a 2 year warranty from date of installation but not longer than 27 months from date of shipment. "

PT-1.20 SECTION 25 01 01 – COMMON WORK RESULTS EMCS

- .1 **ADD:** Paragraph 1.6.2 as follows:
 - "1.6.2 Refer to Addendum 1 22 30 00 PLUMBING EQUIPMENT and provide steam control valve and monitoring of all functions of the Steam to Water Heat Exchanger. "

PT-1.21 SECTION 26 05 00 – COMMON WORK RESULTS FOR ELECTRICAL

- .1 **REPLACE:** Sub-paragraph 3.5.3.4 with revised sub-paragraph as follows:
 - "4 Fire alarm stations: 1100 mm."
- .2 **REPLACE:** Sub-paragraph 3.5.3.6 with revised sub-paragraph as follows:
 - "6 Television outlets: 400mm and/or mounting height as indicated on drawings and details."

- .3 **ADD:** Paragraph 3.5.4 with revised sub-paragraph as follows:
- “.4 Prior to start of work for the installation of any power, telecom/data, intercom, and/or TV device outlet, Contractor to coordinate exact location and mounting height of each device with building owner. Coordination to include architectural millwork shop drawings/details, building owners furniture system layout drawing/details, and T-series drawing/details for all rooms.”

PT-1.22 SECTION 26 09 24 – LIGHTING CONTROL DEVICES – LOW VOLTAGE

- .1 **DELETE:** Sub-paragraph 1.1.1.1.4 in entirety.
- .2 **DELETE:** “0-10v colour tuning” from second line of sub-paragraph 1.3.2.3.
- .3 **DELETE:** Article 2.6 – LOW VOLTAGE MANUAL ON/OFF/0-10V DIGITAL TUNABLE WHITE WALL SWITCHES in entirety.
- .4 **DELETE:** “and/or (CCT) Correlated Colour Temperature Tuning” from paragraph 2.8.5.
- .5 **DELETE:** “and colour tuning” from paragraph 3.2.6.

PT-1.23 SECTION 27 51 13 – OVERHEAD PAGING

- .1 **DELETE:** Specification Section 27 51 13 – OVERHEAD PAGING in its entirety.

PT-1.24 SECTION 27 00 03 – COMMUNICATIONS SYSTEMS GENERAL REQUIREMENTS

- .1 **DELETE:** Paragraph 1.2.4 in its entirety.

DRAWINGS

PT-1.25 DRAWING C01 – SITE SERVICING PLAN

- .1 **DELETE:** All pole mounted lighting type 'S' and associated notes.

PT-1.26 ARCHITECTURAL DRAWINGS

- .1 **REPLACE:** The following listed drawings with attached revised drawings dated February 26, 2019.
- .1 A05 – ARCHITECTURAL CONSTRUCTION TYPES
 - .2 A10 – EXISTING FLOOR PLAN WING 'B' LEVEL 1
 - .3 A11 – EXISTING FLOOR PLAN WING 'B' LEVEL 2
 - .4 A13 – ALTERED FLOOR PLAN WING 'B' LEVEL 1
 - .5 A14 – ALTERED FLOOR PLAN WING 'B' LEVEL 2
 - .6 A20 – ALTERED EXTERIOR ELEVATIONS
 - .7 A28 – INTERIOR ELEVATIONS AND DETAILS
 - .8 A31 – BUILDING SECTIONS
 - .9 A35 – ALTERED WALLS SECTIONS
 - .10 A40 – PLAN DETAILS
 - .11 A44 – PLAN DETAILS
 - .12 A47 – SECTION DETAILS
 - .13 A53 – ALTERED RCP WING B LEVEL 1
 - .14 A54 – ALTERED RCP WING B LEVEL 2
 - .15 A57 – PARTIAL REFLECTED CEILING PLANS AND DETAILS
 - .16 A58 – PARTIAL REFLECTED CEILING PLANS AND DETAILS
 - .17 A70 – EXISTING ROOF PLAN
 - .18 A71 – ALTERED ROOF PLAN
 - .19 A80 – DOOR AND FRAME SCHEDULE, DOOR AND FRAME TYPES
 - .20 A81 – INTERIOR SCREEN AND WINDOW TYPES

PT-1.27 DRAWING A05 – ARCHITECTURAL CONSTRUCTION TYPES

- .1 **ADD:** Wall type 'W9a' to detail 1/A05 – WALL TYPES.
- .2 **DELETE:** Roof type 'R4' from detail 3/A05 – ROOF TYPES:

PT-1.28 DRAWING A10 – EXISTING FLOOR PLAN WING 'B' LEVEL 1

- .1 **DELETE:** Floor boxes in Room No. 125 and 127. Revise extent of floor cutting and patching to suit as shown on re-issued drawings.

PT-1.29 DRAWING A11 – EXISTING FLOOR PLAN WING ‘B’ LEVEL 2

- .1 **DELETE:** Floor boxes in Room No. 211, 215, 217, and 239. Revise extent of floor cutting and patching to suit as shown on re-issued drawings.

PT-1.30 DRAWING A12 – EXISTING FLOOR PLAN PENTHOUSES AND WING ‘C’

- .1 **DELETE:** Detail 2/A12 – EXISTING FLOOR PLAN WING ‘A’ PENTHOUSE.
- .2 **DELETE:** Detail 3/A12 – EXISTING FLOOR PLAN WING ‘A’ PENTHOUSE.

PT-1.31 DRAWING A13 – ALTERED FLOOR PLAN WING B LEVEL 1

- .1 **DELETE:** Windows (WND4) in Rooms No. 117B, 118, and 120 and replace with Wall Types W9 and W9a, as shown on re-issued drawing.
- .2 **DELETE:** Doors No. D134 AND 143 as shown on re-issued drawing.
- .3 **DELETE:** Floor boxes in Room No. 125 and 127. Revise extent of floor cutting and patching to suit as shown on re-issued drawings.

PT-1.32 DRAWING A14 – ALTERED FLOOR PLAN WING B LEVEL 2

- .1 **DELETE:** Floor boxes in Room No. 211, 215, 217, and 239. Revise extent of floor cutting and patching to suit as shown on re-issued drawings.

PT-1.33 DRAWING A15 – ALTERED FLOOR PLAN PENTHOUSES AND WING ‘C’

- .1 **DELETE:** Detail 2/A15 – ALTERED FLOOR PLAN WING ‘A’ PENTHOUSE.
- .2 **DELETE:** Detail 3/A15 – ALTERED FLOOR PLAN WING ‘A’ PENTHOUSE.

PT-1.34 DRAWING A16 – PARTIAL ALTERED FLOOR PLANS

- .1 **DELETE:** Adult Change Table (ACS) from Detail 4/A16 – PARTIAL ALTERED FLOOR PLAN – EL101 AND WR138. Blocking to remain.

PT-1.35 DRAWING A21 – ALTERED EXTERIOR ELEVATIONS

- .1 **REVISE:** Exterior light fixture number and locations as shown on re-issued drawing.
- .2 **REVISE:** Detail 6/A21 – ALTERED EAST ELEVATION as per re-issued drawing.

PT-1.36 DRAWING A28 – ARCHITECTURAL INTERIOR ELEVATIONS AND DETAILS

- .1 **REVISE:** Detail 4/A28 – PARTIAL ALTERED FLOOR PLAN – CORRIDOR C201 as shown on re-issued drawing.
- .2 **REVISE:** Detail 5/A28 – INTERIOR ELEVATION CORRIDOR C201 as shown on re-issued drawing.
- .3 **REVISE:** Detail 8/A28 – PARTIAL ALTERED FLOOR PLAN – CORRIDOR C206 as shown on re-issued drawing.
- .4 **REVISE:** Detail 9/A28 – INTERIOR ELEVATION CORRIDOR C206 as shown on re-issued drawing.

- .5 **DELETE:** Details 10/A28 – PARTIAL ALTERED FLOOR PLAN – CORRIDOR C104 and 11/A28 – INTERIOR ELEVATION – C103.

PT-1.37 DRAWING A31 – BUILDING SECTIONS

- .1 **REVISE:** Detail 1/A31 – BUILDING SECTION GRIDLINE J as per re-issued drawing.
.2 **REVISE:** Detail 3/A31 – BUILDING SECTION GRIDLINE Dx as shown on re-issued drawing.

PT-1.38 DRAWING A35 – ALTERED WALL SECTIONS

- .1 **REVISE:** Detail 3/A35 – ALTERED WALL SECTION as per re-issued drawing.

PT-1.39 DRAWING A40 – PLAN DETAILS

- .1 **REVISE:** Details 9/A40 – DETAIL AT GRID L-15, 10/A40 – DETAIL AT GRID J-15, and 12/A40 – DETAIL AT GRID G-15 as shown on re-issued drawing.
.2 **DELETE:** Detail 11/A40 – DETAIL AT GRID H-15.

PT-1.40 DRAWING A44 – PLAN DETAILS

- .1 **REVISE:** Detail 9/A44 – DETAIL AT GRID C-4 as shown on re-issued drawing.
.2 **REVISE:** Detail 7/A44 – PIPE CHASE as shown on re-issued drawing.

PT-1.41 DRAWING A47 –SECTION DETAILS

- .1 **ADD:** Details 9/A47 – DETAIL – FOUNDATION AT WINDOW INFILL and 10/A47 – DETAIL WINDOW INFILL, as shown on re-issued drawing.

PT-1.42 DRAWING A53 – ALTERED RCP WING ‘B’ LEVEL 1

- .1 **DELETE:** All PA speakers (SP) in Wing ‘B’ Level 1.

PT-1.43 DRAWING A54 – ALTERED RCP WING ‘B’ LEVEL 2

- .1 **REVISE:** Ceiling type in Room No. C100: to Acoustic Ceiling Tile Type 3 (ACT3).
.2 **REVISE:** Wood feature ceilings in Corridor No. C201 and Corridor No. C206 as shown on re-issued drawing.
.3 **DELETE:** All PA speakers (SP) in Wing ‘B’ Level 2.

PT-1.44 DRAWING A57 – PARTIAL REFLECTED CEILING PLANS AND DETAILS

- .1 **REVISE:** Detail 2/A57 – PARTIAL REFLECTED CEILING PLAN CORRIDOR C108 and 143 as shown on re-issued drawing.

PT-1.45 DRAWING A58 – PARTIAL REFELCTED CEILING PLANS AND DETAILS

- .1 **REVISE:** Detail 4/A58 – PARTIAL REFLECTED CEILING PLAN CORRIDOR C206 as shown on re-issued drawing.
.2 **REVISE:** Detail 5/A58 – PARTIAL REFLECTED CEILING PLAN – VESTIBULE C100, CORRIDOR C201 AND LOUNGE 217 as shown on re-issued drawing.

PT-1.46 DRAWING A59 – CEILING AND BULKHEAD DETAILS

- .1 **DELETE:** Note 'FINISHED DADO OPENING AT END OF LIGHT FIXTURE. REFER TO DETAIL 2/A59' from Detail 1/A49 – BULKHEAD & LIGHT FIXTURE AT CORRIDOR C104.
- .2 **DELETE:** Detail 2/A59 – LIGHT FIXTURE.
- .3 **DELETE:** Note 'FINISHED DADO OPENING AT END OF LIGHT FIXTURE. REFER TO DETAIL 2/A59' from Detail 3/A59 – WOOD CEILING @ ACT.

PT-1.47 DRAWING A70 – ARCHITECTURAL EXISTING ROOF PLAN

- .1 **REVISE:** Detail 1/A70 – EXISTING ROOF PLAN as shown on re-issued drawing.

PT-1.48 DRAWING A71 – ARCHITECTURAL ALTERED ROOF PLAN AND DETAILS

- .1 **REVISE:** Detail 1/A71 – ALTERED ROOF PLAN as shown on re-issued drawing.

PT-1.49 DRAWING A72 – ROOF DETAILS

- .1 **DELETE:** Detail 2/A72 – EXPANSION JOINT.
- .2 **DELETE:** Detail 3/A72 – PARAPET WING 'A'.
- .3 **DELETE:** Detail 5/A72 – LOUVER.

PT-1.50 DRAWING A80 DOOR AND FRAME SCHEDULE

- .1 **DELETE:** Comment 'REFER TO DETAIL 2/A82 FOR FROSTED FILM ON DOOR GLAZING' for Door No. D12.
- .2 **DELETE:** Doors D134, D143, D303, and D304.
- .3 **REVISE:** Electronic access control as per revised DOOR AND FRAME SCHEDULE. Refer also to revisions to Specification Section 08 71 00 – Door Hardware Appendix A.

PT-1.51 DRAWING A81 – INTERIOR SCREEN AND WINDOW TYPES

- .1 **DELETE:** Window 'WND4' from Detail 3/A81 – WINDOW TYPES.
- .2 **REVISE:** Screen Type 'S10' as shown on detail 1/A81 – INTERIOR SCREEN TYPES.

PT-1.52 DRAWING A82 – CURTAIN WALL TYPES AND DETAILS

- .1 **DELETE:** Detail 2/A82 – DOOR ELEVATION D123.

PT-1.53 DRAWING A85 – ROOM FINISH SCHEDULE

- .1 **REVISE:** Ceiling material in Room No. C100 to ACT3 in lieu of ACT2.

PT-1.54 DRAWING A90 – MILLWORK PLANS, ELEVATIONS AND DETAILS

- .1 **DELETE:** Detail 1/A90 – MILLWORK PLAN MW-107.
- .2 **DELETE:** Detail 2/A90 – MILLWORK ELEVATION MW-107.

.3 **DELETE:** Millwork MW-203A from Detail 5/A90 – MILLWORK PLAN MW-203 AND MW-203A.

.4 **DELETE:** Detail 6/A90 – MILLWORK ELEVATION MW-203A.

PT-1.55 DRAWING A94 – MILLWORK PLANS AND ELEVATIONS

.1 **DELETE:** Detail 3/A94 – MILLWORK PLAN MW-219 AND MW-219A.

.2 **DELETE:** Detail 4/A94 – MILLWORK ELEVATION MW-219.

.3 **DELETE:** Detail 5/A94 – MILLWORK ELEVATION MW-219A.

.4 **DELETE:** Detail 6/A94 – MILLWORK PLAN MW-119.

.5 **DELETE:** Detail 7/A94 – MILLWORK ELEVATION MW-119.

PT-1.56 DRAWING A95 – MILLWORK PLANS AND ELEVATIONS

.1 **DELETE:** Millwork MW-217A and Back Painted Glass White Board (BPGWB) from Detail 1/A95 – MILLWORK PLAN MW-217.

.2 **DELETE:** Detail 3/A95 – MILLWORK ELEVATION MW-217A.

PT-1.57 DRAWING A98 – MILLWORK SECTIONS

.1 **DELETE:** Detail 3/A98 – MILLWORK SECTION.

.2 **DELETE:** Detail 4/A98 – MILLWORK SECTION.

PT-1.58 DRAWING A99 – MILLWORK SECTIONS AND DETAILS

.1 **DELETE:** Detail 3/A99 – MILLWORK SECTION.

PT-1.59 MECHANICAL DRAWINGS

- .1 **REPLACE:** The following listed drawings with attached revised drawings dated February 26, 2019.

- .1 M20 – HEATING WING B LEVEL 1
- .2 M21 – HEATING WING B LEVEL 2
- .3 M22 – HEATING WING C LEVEL 1
- .4 M30 – VENTILATION WING B LEVEL 1
- .5 M31 – VENTILATION WING B LEVEL 2
- .6 M32 – VENTILATION WING C LEVEL 1
- .7 M50 – MECHANICAL ROOM WING B
- .8 M51 – PENTHOUSE WING B
- .9 M52 – ROOF PLAN
- .10 M60 – STEAM DISTRIBUTION SCHEMATIC
- .11 M63 – VENTILATION SCHEMATICS
- .12 M67 – VENTILATION SCHEDULES 1 OF 2
- .13 M68 – VENTILATION SCHEDULES 2 OF 2
- .14 M73 – CONTROLS PLAN
- .15 M80 – MSCL

PT-1.60 M20 – HEATING WING B LEVEL 1

- .1 **REVISE:** Detail 1/M20 – HEATING WING B LEVEL1 as shown on re-issued drawing.

PT-1.61 M21 – HEATING WING B LEVEL 2

- .1 **REVISE:** Detail 1/M22 – HEATING WING B LEVEL2 as shown on re-issued drawing.

PT-1.62 M22 – HEATING WING C LEVEL 1

- .1 **REVISE:** Detail 1/M22 – HEATING WING C LEVEL1 as shown on re-issued drawing.

PT-1.63 M30 – VENTILATION WING B LEVEL 1

- .1 **REVISE:** Detail 1/M30 – VENTILATION WING B LEVEL 1 as shown on re-issued drawing.

PT-1.64 M31 – VENTILATION WING B LEVEL 2

- .1 **REVISE:** Detail 1/M31 – VENTILATION WING B LEVEL 2(2) as shown on re-issued drawing.

PT-1.65 M32 – VENTILATION WING C LEVEL 1

- .1 **REVISE:** Detail 1/M32 – VENTILATION WING C LEVEL 1 as shown on re-issued drawing.

PT-1.66 M50 – MECHANICAL ROOM WING B

- .1 **REVISE:** Detail 1/M50 – MECHANICAL ROOM WING B as shown on re-issued drawing.

PT-1.67 M51 – PENTHOUSE WING B

- .1 **REVISE:** Detail 1/M51 – PENTHOUSE WING B as shown on re-issued drawing.

PT-1.68 M52 – ROOF PLAN

- .1 **REVISE:** Detail 1/M52 – ROOF PLAN as shown on re-issued drawing.

PT-1.69 M60 – STEAM DISTRIBUTION SCHEMATIC

- .1 **REVISE:** Schematic as shown on re-issued drawing.

PT-1.70 M63 – VENTILATION SCHEMATICS

- .1 **REVISE:** Detail 2/M63 – TYPICAL COOLING ONLY FAN as shown on re-issued drawing.
- .2 **REVISE:** Detail 3/M63 – TYPICAL COOLING/HEATING FAN COILL as shown on re-issued drawing.
- .3 **REVISE:** Detail 4/M63 – STAIR 101 COOLING/HEATING as shown on re-issued drawing.
- .4 **REVISE:** Detail 5/M63 – SMUDGING ROOM VENTILATION as shown on re-issued drawing.
- .5 **DELETE:** Detail 6/M63 in entirety.
- .6 **REVISE:** Detail 7/M63 – TYPICIAL VAV BOX CONTROL as shown on re-issued drawing.

PT-1.71 M67 – VENTILATION SCHEDULES 1 OF 2

- .1 **REVISE:** FAN SCHEDULE as shown on re-issued drawing.

PT-1.72 M68 – VENTILATION SCHEDULES 2 OF 2

- .1 **REVISE:** SINGLE DUCT VARIABLE A VOLUME TERMINAL UNIT SCHEDULE as shown on re-issued drawing.

PT-1.73 M73 – CONTROLS PLAN

- .1 **REVISE:** Controls plan as shown on re-issued drawing.

PT-1.74 M80 – MSCL

- .1 **REPLACE:** MOTOR STARTER AND CONTROL LIST in entirety as shown on re-issued drawing.

PT-1.75 ELECTRICAL DRAWINGS

- .1 **REPLACE:** The following listed drawings with attached revised drawings dated February 26, 2019.
- .1 E01 – ELECTRICAL COVER SHEET & LUMINAIRE SCHEDULE
 - .2 E03 – ELECTRICAL SITE PLAN
 - .3 E09 – STAIR SECTIONS WING B
 - .4 E10 – LIGHTING LAYOUT WING B LEVEL 1
 - .5 E11 – LIGHTING LAYOUT WING B LEVEL 2
 - .6 E12 – LIGHTING LAYOUT WING C
 - .7 E15 – LIGHTING CONTROL SCHEMATICS SHEET NO. 1
 - .8 E16 – LIGHTING CONTROL SCHEMATICS SHEET NO. 2
 - .9 E17 – LIGHTING CONTROL SCHEMATICS SHEET NO. 3
 - .10 E18 – LIGHTING CONTROL SCHEMATICS SHEET NO. 4
 - .11 E20 – POWER LAYOUT WING B LEVEL 1
 - .12 E22 – MECHANICAL EQUIPMENT WING B LEVEL 1
 - .13 E23 – POWER LAYOUT WING B LEVEL 2
 - .14 E25 – MECHANICAL EQUIPMENT WING B LEVEL 2
 - .15 E27 – POWER AND FIRE ALARM LAYOUT WING C
 - .16 E30 – LIGHTING CONTROL SCHEDULE & DETAILS
 - .17 E31 – MOTOR STARTER AND CONTROL LIST
 - .18 E33 – PANEL SCHEDULES 1 OF 4
 - .19 E34 – PANEL SCHEDULES 2 OF 4
 - .20 E35 – PANEL SCHEDULES 3 OF 4

PT-1.76 DRAWING E01 – ELECTRICAL COVER SHEET & LUMINAIRE SCHEDULE

- .1 **REVISE:** LUMINAIRE SCHEDULE as indicated on re-issued drawing.

PT-1.77 DRAWING E03 – ELECTRICAL SITE PLAN

- .1 **DELETE:** Exterior building mounted lighting as indicated on re-issued drawing.
- .2 **DELETE:** Site pole mounted lighting and associated infrastructure as indicated on re-issued drawing.

PT-1.78 DRAWING E09 – STAIR SECTIONS WING B

- .1 **REVISE:** H1 Series LUMINAIRE SCHEDULE as indicated on re-issued drawing.

PT-1.79 DRAWING E10 – LIGHTING LAYOUT WING B LEVEL 1

- .1 Allow for two (2) additional lighting fixtures Type C2 in Room No. 143.
- .2 **REVISE:** Lighting fixtures and associated labelling as indicated on re-issued drawing.

PT-1.80 DRAWING E11 – LIGHTING LAYOUT WING B LEVEL 2

- .1 **REVISE:** Lighting fixtures and associated labelling as indicated on re-issued drawing.

PT-1.81 DRAWING E12 – LIGHTING LAYOUT WING C

- .1 **REVISE:** Lighting fixtures and associated labelling as indicated on re-issued drawing.

PT-1.82 DRAWING E15 – LIGHTING CONTROL SCHEMATIC SHEET NO. 1

- .1 **REVISE:** Lighting control schematics as indicated on re-issued drawing.
- .2 **DELETE:** Colour tunable controls as indicated on re-issued drawing.

PT-1.83 DRAWING E16 – LIGHTING CONTROL SCHEMATIC SHEET NO. 2

- .1 **REVISE:** Lighting control schematics as indicated on re-issued drawing.
- .2 **DELETE:** Colour tunable controls as indicated on re-issued drawing.

PT-1.84 DRAWING E17 – LIGHTING CONTROL SCHEMATIC SHEET NO. 3

- .1 **REVISE:** Lighting control schematics as indicated on re-issued drawing.
- .2 **DELETE:** Colour tunable controls as indicated on re-issued drawing.

PT-1.85 DRAWING E18 – LIGHTING CONTROL SCHEMATIC SHEET NO. 4

- .1 **REVISE:** Lighting control schematics as indicated on re-issued drawing.
- .2 **DELETE:** Colour tunable controls as indicated on re-issued drawing.

PT-1.86 DRAWING E20 – POWER LAYOUT WING B LEVEL 1

- .1 **REVISE:** Receptacle locations and quantities as indicated on re-issued drawing.
- .2 **ADD:** Intercom master phone station (ICMS) as indicated on re-issued drawing.

PT-1.87 DRAWING E22 – MECHANICAL EQUIPMENT WING B LEVEL 1

- .1 **REVISE:** Mechanical equipment locations and circuiting as indicated on re-issued drawing.

PT-1.88 DRAWING E23 – POWER LAYOUT WING B LEVEL 2

- .1 **REVISE:** Receptacle locations and quantities as indicated on re-issued drawing.
- .2 **ADD:** Intercom master phone station (ICMS) as indicated on re-issued drawing.

PT-1.89 DRAWING E25 – MECHANICAL EQUIPMENT WING B LEVEL 2

- .1 **REVISE:** Mechanical equipment locations and circuiting as indicated on re-issued drawing.

PT-1.90 DRAWING E27 – POWER AND FIRE ALARM LAYOUT WING C

- .1 **REVISE:** Mechanical equipment locations and circuiting as indicated on re-issued drawing.

PT-1.91 DRAWING E30 – LIGHTING CONTROL SCHEDULE & DETAILS

- .1 **REVISE:** LIGHTING CONTROLS AND EQUIPMENT SCHEDULE WING B & C – LEVEL 1 and LIGHTING CONTROLS AND EQUIPMENT SCHEDULE WING B – LEVEL 2 as indicated on re-issued drawing.

PT-1.92 DRAWING E31 – MOTOR STARTER AND CONTROL LIST

- .1 **DELETE:** MS&C Ident numbers 45 through 63 on the MOTOR STARTER AND CONTROL LIST in entirety as shown on re-issued drawing.

PT-1.93 DRAWING E33 – PANEL SCHEDULES – 1 OF 4

- .1 **REVISE:** Panel circuits as indicated on re-issued drawing.

PT-1.94 DRAWING E34 – PANEL SCHEDULES – 2 OF 4

- .1 **REVISE:** Panel circuits as indicated on re-issued drawing.

PT-1.95 DRAWING E35 – PANEL SCHEDULES – 3 OF 4

- .1 **REVISE:** Panel circuits as indicated on re-issued drawing.

PT-1.96 IT/COMMUNICATION DRAWINGS

- .1 **REPLACE:** The following listed drawings with attached revised drawings dated February 26, 2019.
- .1 T102 – B-WING FLOOR 1 LAYOUT
 - .2 T103 – B-WING FLOOR 2 LAYOUT
 - .3 T104 – PATHWAY DETAILS
 - .4 T108 – AV ELEVATIONS WING B LEVEL 1
 - .5 T110 – AV ELEVATIONS WING B LEVEL 2

PT-1.97 DRAWING T102 – B-WING FLOOR 1 LAYOUT

- .1 **DELETE:** PA System in entirety.
- .2 **REVISE:** Data outlet locations and quantities as indicated on re-issued drawing.

PT-1.98 DRAWING T103 – B-WING FLOOR 2 LAYOUT

- .1 **DELETE:** PA System in entirety.
- .2 **REVISE:** Data outlet locations and quantities as indicated on re-issued drawing.

PT-1.99 DRAWING T104 – PATHWAYS DETAILS

- .1 **REVISE:** Detail 1/T104 PA SPEAKERS ELEVATION as indicated on re-issued drawing.

PT-1.100 DRAWING T108 – AV ELEVATIONS WING B LEVEL 1

- .1 **DELETE:** Detail 2/T108 OFFICE AV ELEVATIONS in entirety.
- .2 **DELETE:** Detail 7/T108 OFFICE 149 AV ELEVATIONS in entirety.

PT-1.101 DRAWING T110 – AV ELEVATIONS WING B LEVEL 2

- .1 **DELETE:** Detail 1/T110 FAMILY THERAPY ROOM 211 AV ELEVATION in entirety.
- .2 **DELETE:** Detail 6/T110 OFFICE 221, 223, 235, 227, 229 AV ELEVATION in entirety.

END OF POST TENDER ADDENDUM NO. 1



Physical Resources
Design, Engineering & Construction
Tel (519) 824-4120
Fax (519) 837-0581

J.C. Hersey Building
University of Guelph
Guelph, Ont. N1G 2W1

REVISED BID FORM

Project No.: 504034

Project (Work): Building #046 Renovations

Page 1 of 3

Bid Issue Authorized By  Manager, Design, Engineering & Construction

Bid Closing: Date: **March 29, 2019** Time: before and not later than 3:00 PM (as determined by MERX)

Name of Bidder _____

Address _____

Telephone _____ Fax _____

BID PRICE

I / We, the undersigned, having examined the Bid Documents (drawings and specifications) identified in Specification Section 00 01 15 List of Drawings for the above project, and having received, carefully examined and incorporated Addenda up to and including number _____ and Post Tender Addenda up to and including number _____, all as prepared by *J.L. Richards & Associates Limited* hereinafter referred to as the *Consultant* and having visited and examined the *Place of the Work*, and having examined all conditions, circumstances and limitations affecting the Work, offer to enter into a Contract with the Owner to perform the Work required by these Documents for the above project for the stipulated sum *Bid Price* of:

\$ _____ [Note: insert amount in numbers only]

Bid Price is not to include Value Added Tax.

H.S.T./G.S.T. Registration # _____

BID SECURITY

Attached to this bid is a bid bond issued by _____ in the amount of

\$ _____ . [Note: insert amount in numbers only]

AGREEMENT TO BOND

Attached to this bid is a separate agreement to bond issued by _____

undertaking to provide the bonds as required by the Bid Documents.

DECLARATIONS

I / We, the undersigned declare that:

University of Guelph Project No. 504034
Building #046 Renovations

-
- .1 *Work will be commenced immediately upon award of Contract and shall achieve Substantial Performance by **June 30, 2020.***
- .2 There is no conflict of interest in submitting this Bid and that no person either natural or body corporate, other than the bidder, has or will have any interest or share in this bid or in the proposed Agreement;
- .3 There is no collusion or arrangement between the bidder and any other bidder (s) in connection with this Project;
- .4 The bidder has no knowledge of the contents of other bids and has made no comparison of figures, agreements, arrangements, expressed or implied, with any other party in connection with the making of the bid;
- .5 This Bid is open to acceptance and irrevocable until 3:00 pm on April 3, 2019.
- .6 This agreement supersedes all prior negotiations, representations, or agreements, either written or oral, relating in any manner to the *Work*.
- .7 The *Contract Documents* consist of this Bid Form; Specification Sections, dated **November 15, 2018**, and Drawings, all as listed in attached specification *Section 00 01 15 List of Drawings* and including the Definitions and General Conditions of CCDC 2-2008 Stipulated Price Contract, and Addenda issued. For the purposes of the Definitions and General Conditions of CCDC 2-2008, the *Owner* is the University of Guelph and the *Consultant* is *J.L. Richards & Associates Limited*.
- .8 The bidder will comply with the Owner's policies related to Human rights and Sexual and Gender Harassment and Accessibility for Ontarians with Disabilities.
- .9 The following Forms are attached to the Bid:
- Bid Bond
 - Agreement to Bond
 - Section 00 43 01 – List of Sub-contractors and Cost Breakdown
 - Section 00 43 03 – Unit Prices
 - Section 00 43 05 – Itemized, Separate and Alternative Prices

SIGNATURES:

Signed and submitted by:

Company Name

Note: Affix Corporate seal as required

Seal:

Printed Name and Title of Authorized Signing Officer

Signature of Authorized Signing Officer

Printed Name and Title of Witness

Signature of Witness

Dated this _____ day of _____, 2019.

Email Address _____ Telephone _____

END OF DOCUMENT

Project No.: 504034

Project Name: Building #046 Renovations

NAME OF BIDDER _____

I/We the undersigned offer the following unit prices for the work or for additional work listed here. All unit prices, unless specifically indicated, are for complete work, in place, supplied and installed in accordance with applicable Contract requirements and include all overhead and profit mark-up.

I/We the undersigned agree that the credits for deleted work shall be no less than eighty percent (80%) of the unit prices listed hereunder.

I/We the undersigned agree that the Owner shall have the right to negotiate the cost of additional work instead of using the unit prices listed hereunder.

I/We the undersigned understand that if this Supplementary Bid Form is not completed, our Bid may be declared as “non-compliant”.

Prices listed hereunder do not include any Value Added Taxes but include all other eligible taxes.

<u>ITEM OF WORK UNIT</u>	<u>COST/UNIT</u>
• <u>Construction Manager</u>	<u>/hour</u>
• <u>Project Coordinator</u>	<u>/hour</u>
• <u>Project Superintendent</u>	<u>/hour</u>
• <u>Site Labour (General Contractor’s Own Forces)</u>	<u>/hour</u>
• <u>Site Labour (Mechanical Sub-contractor)</u>	<u>/hour</u>
• <u>Site Labour (Electrical Sub-contractor)</u>	<u>/hour</u>
• <u>Construction Manager (After-hours)</u>	<u>/hour</u>
• <u>Project Coordinator (After-hours)</u>	<u>/hour</u>
• <u>Project Superintendent (After-hours)</u>	<u>/hour</u>
• <u>Site Labour (General Contractor’s Own Forces) (After-hours)</u>	<u>/hour</u>
• <u>Site Labour (Mechanical Sub-contractor) (After-hours)</u>	<u>/hour</u>
• <u>Site Labour (Electrical Sub-contractor) (After-hours)</u>	<u>/hour</u>
• <u>Removal and disposal of non-asbestos plaster ceilings</u>	<u>/sq.m.</u>

- Repair and/ repoint existing brick /sq.m.

This list of Unit Prices is an integral part of these Bid Documents.

DATE: _____

SIGNATURE: _____

NAME AND TITLE: _____

END OF DOCUMENT

APPENDIX A – FINISH HARDWARE SCHEDULE

Issued as part of Post Tender Addendum No. 1 - February 26, 2019

Hardware Sets

Set: 1.0

Pair D103, corridor C103 from corridor C102, 1930 x 2135 x 45, Hollow Metal x , LHR/LHR,
Pair D104, corridor C102 from corridor C104, 1930 x 2135 x 45, Hollow Metal x , LHR/LHR,
Pair D106, corridor C104 from corridor c106, 1930 x 2135 x 45, Hollow Metal x , LHR/LHR,
Pair D108, corridor C108 from corridor C106, 1930 x 2135 x 45, Hollow Metal x , LHR/LHR,

6 Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1 Magnetic Lock	M62		SU
1 Exit Device	8893 J	US32D	SA
1 Rim Exit Device	55 56 8810	US32D	SA
2 Concealed Overhead Stop	6-X36	630	RF
2 Auto Door Operator	SW200i-IS-99-CL	628	BM
2 Wall Switch	CM-45/4	630	OT
2 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
2 Door Position Switch	1076-D		OT
2 ElectroLynx Harness (In Frame)	QC-C1500P		MK
2 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
2 Mortar Box	TA-6410 (to suit door contact location)		OT
2 Mortar Box	TA-6410 (to suit mag lock locations)		OT
2 Mortar Box	TA-6413 (to suit auto operator location)		OT
1 Bracket	ASB-62CL	628	SU
1 Signage	TA-EXS-1		OT

Notes: 120vac to door operator by division 26 00 00

Conduit, back boxes, and pull strings to door operator header and wall switches by division 26 00 00

Mortar boxes welded in place by HM frame supplier

Mode of Operation

One leaf normally closed and locked by mag lock. Presentation of valid card to card reader will release power to mag lock and enable wall switch to activate door operator. Entry by pushing door open or by pushing door operator wall switch. Free egress at all times by pushing exit device rail which will release mag lock and enable operator button.

Upon activation of fire alarm mag locks are to lose power allowing free egress. Mag locks to be locally released by fire alarm pull stations located on either side of opening. Mag locks to be overridden and reset by key switch located at main fire alarm annunciator panel.

Door# D103 - East leaf of double egress pair to receive 55-56-8810 and CEPT-10

Door# D104, D106, D108 - North leaf of double egress pair to receive 55-56-8810 and CEPT-10

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 2.0

Single D116, corridor C102 to custodian C116, 915 x 2135 x 45, Hollow Metal x , RH,
Single D116g, washroom WR116 to chase , 497 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Conc Overhead Stop	2-X36	619	RF
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Gasketing	S773BL		PE
1 Sweep	18061CNB TKSP8 WIDTH		PE

Notes: Template overhead stop to maximum degree of opening allowable by site conditions

Set: 3.0

Single D116a, corridor C102 to washroom 116a, 915 x 2135 x 45, Hollow Metal x , LH,
Single D116f, corridor c102 to washroom 116f, 915 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Privacy Set	ML2020 NSA M19S	630	RU
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Wall Stop	405	US26D	RO

Set: 4.0

Single D116b, corridor C102 to washroom 116b, 610 x 2135 x 45, Hollow Metal x , LH,
Single D116c, corridor C102 to washroom 116c, 610 x 2135 x 45, Hollow Metal x , LH,
Single D116d, corridor C102 to washroom 116d, 610 x 2135 x 45, Hollow Metal x , RH,
Single D116e, corridor C102 to washroom 116e, 610 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Privacy Set	ML2020 NSA M19S	630	RU
1 Surf Overhead Stop	10-X36	652	RF
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO

Notes: Template overhead stop to maximum degree of opening allowable by site conditions

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 5.0

Single D117, corridor C103 from vestibule 117, 915 x 2135 x 45, Hollow Metal x , RHR,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Storeroom Lock	ML2057 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surf Overhead Stop	10-X36	652	RF
1	Surface Closer	CPS7500	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Mortar Box	TA-6410 (to suit future door contact location)		OT
1	Mortar Box	TA-6410 (to suite future current transfer location)		OT
1	Filler Plate Set	CEPT-10 (filler frame and door)	600	OT

Notes: Door supplier to provide raceway thru door to future electric lock location
Mortar boxes welded in place by HM frame supplier

Set: 6.0

Single D117a, vestibule 117 from server 117a, 915 x 2135 x 45, Hollow Metal x , LHR,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	CPS7500	689	NO
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.

Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 7.0

Single D117b, vestibule 117 to CCS 117b, 915 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Wall Stop	405	US26D	RO

Set: 8.0

Single D123, corridor C103 to reception 123, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge (heavy weight)	T4A3786 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Concealed Overhead Stop	1-X36	689	RF
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE
1 ElectroLynx Harness (In Frame)	QC-C1500P		MK
1 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
1 Mortar Box	TA-6410 (to suit current transfer location)		OT
1 Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 8.1

Single D123a, corridor C103 to corridor C123, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge (heavy weight)	T4A3786 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Storeroom Lock	RX 21 8206 LNL	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Concealed Overhead Stop	1-X36	689	RF
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to future electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Free egress at all times by turning lever and pulling / pushing door open. Integral request to exit switch to shunt door contact when interior lever depressed.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 9.0

Single D123b, reception 123 to office 123b, 965 x 2135 x 45, Hollow Metal x , LH,
Single D123c, reception 123 to office 123c, 965 x 2135 x 45, Hollow Metal x , LH,
Single D123d, corridor C123 to office 123d, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Office Lock	ML2051 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Floor Stop	441H	US26D	RO
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 10.0

Single D123e, corridor C123 to meeting 123e, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Passage Latch	ML2010 NSA	630	RU
1 Floor Stop	441H	US26D	RO
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 11.0

Single D124, corridor C104 to closed file storage 124, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 12.0

Single D125, corridor C150e to family therapy room 125, 965 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 12.A

Single D126a, corridor C104 to couple / individual room 126a, 965 x 2135 x 45, Hollow Metal x , LH,
Single D126b, corridor C104 to couple /individual room 126b, 965 x 2135 x 45, Hollow Metal x , RH,
Single D126c, corridor C104 to couple / individual room 126c, 965 x 2135 x 45, Hollow Metal x , LH,
Single D126d, corridor c104 to couple / individual room 126d, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 13.0

Single D125a, corridor C150e to viewing room D125a, 965 x 2135 x 45, Hollow Metal x , RH,
Single D127a, corridor C150e to viewing / child care 127a, 965 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 14.0

Single D127, corridor C150e to family therapy room 127, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 15.0

Single D127b, viewing / child care 127a to family therapy room 127, 762 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 16.0

Single D129, corridor C104 to large group room 129, 965 x 2135 x 45, Hollow Metal x , LH,
Single D129a, corridor C104 to large group room 129, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 16.A

Single D128, corridor C104 to multi-purpose room 128, 965 x 2135 x 45, Hollow Metal x , RH,
Single D130, corridor C104 to sessional office 130, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 17.0

Single D131, corridor C137 to storage 131, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Wall Stop	405	US26D	RO

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 18.0

Single D132, corridor C106 to research space 132, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 18.A

Single D133, corridor C107 to office / supervision 133, 965 x 2135 x 45, Hollow Metal x , LH,
Single D135, corridor C107 to office / supervision 135, 965 x 2135 x 45, Hollow Metal x , RH,
Single D137, corridor C107 to office / supervision 137, 965 x 2135 x 45, Hollow Metal x , LH,
Single D139, corridor C107 to office / supervision 139, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 19.0

Single D134, corridor C106 to kitchenette 134, 965 x 2135 x 45, Hollow Metal x , RH,

1 NOTE	door / frame / hardware deleted on post tender addendum #1	OT
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UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 20.0

Single D136, corridor C106 from student work area 136, 965 x 2135 x 45, Hollow Metal x , LHR,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 21.0

Single D136b, student work area 136 to telephone 136b, 965 x 2135 x 45, Hollow Metal x , RH,
Single D136c, student work area 136 to breakout room 136c, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Passage Latch	ML2010 NSA	630	RU
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 22.0

Single D138, corridor C106 from sprinkler room 138, 762 x 2135 x 45, Hollow Metal x , RHR,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	CPS7500	689	NO

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 23.0

Single D138a, corridor C108 to universal washroom WR138, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1	Storeroom Lock	21 8206 LNL x less strike	US32	SA
1	Cylinder	100200AT GMK GGMK (key switch)	19	MC
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Electric Strike	1006-F-LBM	630	HS
1	Push Plate	70C x 152mm x 762mm x CFC x TAPE x B4E (RH)	630	RO
1	Concealed Overhead Stop	6-X36	630	RF
1	Auto Door Operator	SW200i-IS-99-CL	628	BM
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Universal Washroom Call System	CX-WC13AXFM		OT
1	Key Switch	MKA	628	OT
1	Universal Emergency Call System Kit	CX-WEC10K2	630	OT
1	Relay	RB-4-24		SU
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Emergency Instructional Signage	CM-SE21		00
1	Power Supply	BPS-24-1		SU
1	Mortar Box	TA-6410 (to suit door contact location)		OT
1	Mortar Box	TA-6410 (to suit door operator location)		OT
1	Mortar Box	TA-6410 (to suit electric strike location)		OT

Notes: Mortar boxes welded in place by HM frame supplier

Template overhead stop to maximum degree of opening allowable by site conditions

Mode of Operation

Door normally closed and latched. Outside occupancy indicator GREEN. Door can be opened manually by pushing door open or by pushing operator wall switch. Once inside room and with door closed, pressing Push-To-Lock button locks door and disables corridor side wall switch, and changes LED on occupancy indicator to RED from GREEN.

Egress by pushing / pulling door open or by pushing inside wall switch.

Key switch inside secures bathroom if service work required.

Pressing inside wall mounted mushroom button activates washroom and corridor mounted lights and horn.

Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 24.0

Single D141, corridor C107 to mail 141, 965 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500H	689	NO
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

Set: 25.0

Single D143, corridor C108 to waiting 143, 965 x 2135 x 45, Hollow Metal x , RH,

1	NOTE	door / frame / hardware deleted on post tender addendum #1		OT
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UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 26.0

Single D145, waiting 143 to reception 145, 965 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surf Overhead Stop	10-X36 (door D145 only)	652	RF
1	Surface Closer	7500 (pull side mount)	689	NO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 26.A

Single D147, reception 145 to admin office D147, 965 x 2135 x 45, Hollow Metal x , RH,
Single D149, reception 145 to office / supervision 149, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Office Lock	ML2051 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Notes:

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 27.0

Pair DST101, exterior from entrance vestibule ST101a, 1930 x 2135 x 57, Aluminum x , RHRA/LHR,

2	Continuous Hinge	MCK-12HD EPT 83"	CL	MK
1	Removable Mullion	L980A x 980C1 Less Cyl	US28	SA
1	Exit Device (Elect)	21 31 55 56 AD8504 x 649	US32D	SA
1	Exit Device (Elect)	21 31 55 56 AD8510 x 649	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Cylinder	100403VT P GMK GGMK	19	MC
2	Door Pull	RM3312MP 12XHD x Dr Height (- 450mm) x Thickness	US32D	RO
2	Concealed Overhead Stop	6-X36	630	RF
1	Closer	4021 LONG x ST-3212 x mws (concealed in operator header)	689	LC
2	Actuator Inside Non-Lit	CM-45/4		00
1	Auto Door Operator	SW200i-OS-51-CL x full width header x 120vac	628	BM
1	Threshold	255x5AFG		PE
2	Sweep	18061CNB TKSP8 WIDTH		PE
1	Relay	RB-4-24		SU
1	Door Position Switch	1076-D		OT
2	ElectroLynx Harness (In Frame)	QC-C1500P		MK
2	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Interface Module	CX-12		OT
2	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
2	Actuator Back Box	CM-43CBL	BLK	00
1	Video Intercom	Video Intercom supplied and installed by division 26 00 00		OT

Notes: Balance of perimeter weather strip by the aluminum frame supplier
Template overhead stops to maximum degree of opening allowable by site conditions

120vac to door operator by division 26 00 00

Wall switch back boxes and pull strings to operator header by division 26 00 00.

Mode of Operation

Doors normally closed and locked. Entry by presenting valid card to card reader which will electrically retract exit device latches on both leaves and allow door to be pulled open. Valid card will also enable exterior wall switch which when pressed will activate door operator allowing one leaf to open automatically. Secondary entry by remote release located in intercom monitoring station, location of station to be confirmed.

Free egress at all times by pushing doors open or by pushing inside wall switch which will retract exit device latch and automatically open door.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 28.0

Pair DST102, existing stairwell ST102 from corridor C103, 1930 x 2135 x 45, Hollow Metal x , RHRA/LHR, 45 min

6 Hinge (heavy weight)	T4A3786 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Removable Mullion	12-L980	PC	SA
1 Rim Exit Device	12 55 56 8810	US32D	SA
1 Rim Exit Device	12 55 56 8804 Less Pull	US32D	SA
1 Cylinder	100200AT P GMK GGMK Z20	19	MC
1 Cylinder	100403VT P GMK GGMK	19	MC
2 Door Pull	BF158 Mtg-Type 12XHD	US32D	RO
2 Surface Closer	PR7500	689	NO
2 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
2 Wall Stop	405	US26D	RO
1 Gasketing	S773BL		PE
2 Sweep	18061CNB TKSP8 WIDTH		PE
1 Relay	RB-4-24		SU
2 Door Position Switch	1076-D		OT
2 ElectroLynx Harness (In Frame)	QC-C1500P		MK
2 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
2 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
2 Mortar Box	TA-6410 (to suit current transfer location)		OT
1 Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Template overhead stops to maximum degree of opening allowable by site conditions

Mode of Operation

Doors normally closed and locked. Entry by presenting valid card to card reader which will electrically retract exit device latches on both leaves and allow doors to be pulled open.
Free egress at all times by pushing doors open. Upon activation of the fire alarm power will be disconnected to the electric exit devices.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 29.0

Pair D101, entrance vestibule from corridor C101, 1930 x 2135 x 45, Hollow Metal x , RHRA/LHR, 45 min
Pair DST101a, entrance vestibule ST101A from corridor C108, 1930 x 2135 x 45, Hollow Metal x ,
RHRA/LHR, 45 min

6	Hinge (heavy weight)	T4A3786 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Removable Mullion	12-L980	PC	SA
1	Rim Exit Device	12 55 56 8810	US32D	SA
1	Rim Exit Device	12 55 56 8804 Less Pull	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Cylinder	100403VT P GMK GGMK	19	MC
2	Door Pull	BF158 Mtg-Type 12XHD	US32D	RO
2	Closer	4021 LONG x ST-3212 x mws (concealed in operator header)	689	LC
1	Actuator Inside Non-Lit	CM-45/4		00
1	Auto Door Operator	SW200i-OS-51-CL x full width header x 120vac	628	BM
1	Wall Stop	405	US26D	RO
1	Floor Stop	441H	US26D	RO
1	Gasketing	supplied by acoustic door and frame supplier		PE
2	Sweep	18061CNB TKSP8 WIDTH		PE
1	Relay	RB-4-24		SU
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Interface Module	CX-12		OT
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Actuator Back Box	CM-43CBL	BLK	00
1	Wiring Diagrams	POINT TO POINT		00
2	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT
1	Mortar Box	TA-6413 (to suit auto operator location)		OT

Notes: Mortar boxes welded in place by HM frame supplier.

120vac to door operator by division 26 00 00

Wall switch back boxes and pull strings to operator header by division 26 00 00.

Mode of Operation

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Doors normally closed and locked. Entry by presenting valid card to card reader which will electrically retract exit device latches on both leaves and allow door to be pulled open. Valid card will also enable exterior wall switch which when pressed will activate door operator allowing one leaf to open automatically.

Free egress at all times by pushing doors open or by pushing inside wall switch which will retract exit device latch and automatically open door.

Set: 30.0

Pair DST103, exterior from existing stairwell ST103, 1930 x 2135 x 57, Aluminum x , RHRA/LHR,

2	Continuous Hinge	MCK-12HD EPT 83"	CL	MK
1	Removable Mullion	L980A x 980C1 Less Cyl	US28	SA
1	Exit Device (Elect)	21 31 55 56 AD8504 x 649	US32D	SA
1	Exit Device (Elect)	21 31 55 56 AD8510 x 649	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Cylinder	100403VT P GMK GGMK	19	MC
2	Door Pull	RM3312MP 12XHD x Dr Height (- 450mm) x Thickness	US32D	RO
2	Closer	4041XP SCUSH	689	LC
2	Adapter Plate	4040XP-18PA	689	LC
1	Threshold	255x5AFG		PE
2	Sweep	18061CNB TKSP8 WIDTH		PE
1	Relay	RB-4-24		SU
2	Door Position Switch	1076-D		OT
2	ElectroLynx Harness (In Frame)	QC-C1500P		MK
2	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
2	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID

Notes: Balance of perimeter weather strip by the aluminum frame supplier

Mode of Operation

Doors normally closed and locked. Entry by presenting valid card to card reader which will electrically retract exit device latches on both leaves and allow doors to be pulled open.
Free egress at all times by pushing doors open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 31.0

Single DST103a, existing stairwell ST103 from corridor C103, 1015 x 2135 x 45, Hollow Metal x , LHR, 45 min

3 Hinge (heavy weight)	T4A3386 Size to Suit (NRP at Outswinging Doors)	US32D	MK
1 Electrified Rim Exit	12 21 55 8876-24v ETL	US32D	SA
1 Cylinder	100403VT P GMK GGMK	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Wall Stop	405	US26D	RO
1 Gasketing	S773BL		PE
1 Sweep	18061CNB TKSP8 WIDTH		PE
1 Door Position Switch	1076-D		OT
1 ElectroLynx Harness (In Frame)	QC-C1500P		MK
1 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
1 Mortar Box	TA-6410 (to suit current transfer location)		OT
1 Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card will unlock exit device trim lever. Entry by turning lever and pulling door open.
Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 32.0

Single D001, stairwell STB001 from corridor CB001, 965 x 2135 x 45, Hollow Metal x Hollow Metal, RHR, 45 min

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	PR7500	689	NO
1 Wall Stop	405	US26D	RO
1 Gasketing	S773BL		PE
1 Sweep	18061CNB TKSP8 WIDTH		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 33.0

Pair D100, exterior from existing vestibule C100, 1930 x 2135 x 57, Aluminum x , RHRA/LHR,
Pair D103a, exterior from existing vestibule C101A, 1930 x 2135 x 45, Aluminum x , RHRA/LHR,

2	Continuous Hinge	MCK-12HD EPT 83"	CL	MK
1	Removable Mullion	L980A x 980C1 Less Cyl	US28	SA
1	Exit Device (Elect)	21 31 55 56 AD8504 x 649	US32D	SA
1	Exit Device (Elect)	21 31 55 56 AD8510 x 649	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Cylinder	100403VT P GMK GGMK	19	MC
2	Door Pull	RM3312MP 12XHD x Dr Height (- 450mm) x Thickness	US32D	RO
2	Concealed Overhead Stop	6-X36	630	RF
2	Closer	4021 LONG x ST-3212 x mws (concealed in operator header)	689	LC
1	Actuator Inside Non-Lit	CM-45/4		00
1	Auto Door Operator	SW200i-OS-51-CL x full width header x 120vac	628	BM
1	Threshold	252x3AFG WIDTH		PE
2	Sweep	18061CNB TKSP8 WIDTH		PE
1	Relay	RB-4-24		SU
2	Door Position Switch	1076-D		OT
2	ElectroLynx Harness (In Frame)	QC-C1500P		MK
2	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Interface Module	CX-12		OT
2	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
2	Actuator Back Box	CM-43CBL	BLK	00

Notes: Balance of perimeter weather strip by the aluminum frame supplier
Template overhead stops to maximum degree of opening allowable by site conditions

120vac to door operator by division 26 00 00

Wall switch back boxes and pull strings to operator header by division 26 00 00.

Mode of Operation

Doors normally closed and locked. Entry by presenting valid card to card reader which will electrically retract exit device latches on both leaves and allow door to be pulled open. Valid card will also enable exterior wall switch which when pressed will activate door operator allowing one leaf to open automatically.

Free egress at all times by pushing doors open or by pushing inside wall switch which will retract exit device latch and automatically open door.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 34.0

Single D104WR, existing corridor C101 to universal washroom 104, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1	Storeroom Lock	21 8206 LNL x less strike	US32	SA
1	Cylinder	100200AT GMK GGMK (key switch)	19	MC
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Electric Strike	1006-F-LBM	630	HS
1	Push Plate	70C x 152mm x 762mm x CFC x TAPE x B4E (RH)	630	RO
1	Concealed Overhead Stop	6-X36	630	RF
1	Auto Door Operator	SW200i-IS-99-CL	628	BM
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Universal Washroom Call System	CX-WC13AXFM		OT
1	Key Switch	MKA	628	OT
1	Universal Emergency Call System Kit	CX-WEC10K2	630	OT
1	Relay	RB-4-24		SU
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Emergency Instructional Signage	CM-SE21		00
1	Power Supply	BPS-24-1		SU
1	Mortar Box	TA-6410 (to suit door contact location)		OT
1	Mortar Box	TA-6410 (to suit door operator location)		OT
1	Mortar Box	TA-6410 (to suit electric strike location)		OT

Notes: Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree of opening allowable by site conditions

Mode of Operation

Door normally closed and latched. Outside occupancy indicator GREEN. Door can be opened manually by pushing door open or by pushing operator wall switch. Once inside room and with door closed, pressing Push-To-Lock button locks door and disables corridor side wall switch, and changes LED on occupancy indicator to RED from GREEN.

Egress by pushing / pulling door open or by pushing inside wall switch.

Key switch inside secures bathroom if service work required.
Pressing inside wall mounted mushroom button activates washroom and corridor mounted lights and horn.
Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 35.0

Single D104a, existing corridor C101 to washroom 104a, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Privacy Set	ML2020 NSA M19S	630	RU
1 Concealed Overhead Stop	6-X36	630	RF
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO

Notes: Template overhead stop to maximum degree allowable by site conditions

Set: 36.0

Pair D110a, existing classroom 110 from closet 110a, 1930 x 2135 x 45, Hollow Metal x , RHRA/LHR,

6 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Flush Bolt	555	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
2 Conc Overhead Stop	2-X36	619	RF

Notes: template overhead stops to maximum degree of opening allowable by site conditions

Set: 37.0

Single D201G, washroom WR201 to chase, 555 x 2135 x 45, Hollow Metal x , RH,
Single D201, corridor C201 to custodian 201, 915 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Storeroom Lock	ML2057 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Conc Overhead Stop	2-X36	619	RF
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Gasketing	S773BL		PE
1 Sweep	18061CNB TKSP8 WIDTH		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 38.0

Single D201a, corridor C201 to washroom 201a, 915 x 2135 x 45, Hollow Metal x , LH,
Single D201f, corridor C201 to washroom 201f, 915 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Privacy Set	ML2020 NSA M19S	630	RU
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Wall Stop	405	US26D	RO

Set: 39.0

Single D201b, corridor C201 to washroom 201b, 610 x 2135 x 45, Hollow Metal x , LH,
Single D201c, corridor C201 to washroom 201c, 610 x 2135 x 45, Hollow Metal x , LH,
Single D201d, corridor C201 to washroom 201d, 610 x 2135 x 45, Hollow Metal x , RH,
Single D201e, corridor C201 to washroom 201e, 610 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Privacy Set	ML2020 NSA M19S	630	RU
1 Conc Overhead Stop	2-X36	619	RF
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO

Notes: Template overhead stop to maximum degree allowable by site conditions

Set: 40.0

Single D202, corridor C206 to assessment room 202, 965 x 2135 x 45, Hollow Metal x , RH,
Single D203, corridor C206 to couple / individual room 203 , 965 x 2135 x 45, Hollow Metal x , LH,
Single D204, corridor C206 to assessment room 204, 965 x 2135 x 45, Hollow Metal x , LH,
Single D205, corridor C206 to couple / individual room 205, 965 x 2135 x 45, Hollow Metal x , RH,
Single D207, corridor C206 to couple / individual room 207, 965 x 2135 x 45, Hollow Metal x , LH,
Single D208, corridor C206 to assessment room 208, 965 x 2135 x 45, Hollow Metal x , LH,
Single D209, corridor C206 to play room 209, 965 x 2135 x 45, Hollow Metal x , RH,
Single D210, corridor C207 to playroom 210, 965 x 2135 x 45, Hollow Metal x , RH,
Single D211, corridor C207 to family therapy room 211, 965 x 2135 x 45, Hollow Metal x , LH,
Single D213, corridor C208 to family therapy room 213, 965 x 2135 x 45, Hollow Metal x , RH,
Single D214, corridor C208 to viewing room 214, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 41.0

Single D206, corridor C206 to viewing room 206, 965 x 2135 x 45, Hollow Metal x , LH,
Single D210a, corridor C207 to viewing room 210a, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 42.0

Pair D202a, corridor C202 from corridor C201, 1930 x 2135 x 45, Hollow Metal x , LHR/LHR,
Pair D206a, corridor C206 from corridor C201, 1930 x 2135 x 45, Hollow Metal x , LHR/LHR,

6 Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1 Magnetic Lock	M62		SU
1 Exit Device	8893 J	US32D	SA
2 Rim Exit Device	55 56 8810	US32D	SA
2 Concealed Overhead Stop	6-X36	630	RF
2 Auto Door Operator	SW200i-IS-99-CL	628	BM
2 Wall Switch	CM-45/4	630	OT
2 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
2 Door Position Switch	1076-D		OT
2 ElectroLynx Harness (In Frame)	QC-C1500P		MK
2 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
1 Mortar Box	TA-6410 (to suit door contact location)		OT
1 Mortar Box	TA-6410 (to suit mag lock locations)		OT
2 Mortar Box	TA-6413 (to suit auto operator location)		OT
1 Bracket	ASB-62CL	628	SU

Notes: 120vac to door operator by division 26 00 00

Conduit, back boxes, and pull strings to door operator header and wall switches by division 26 00 00

Mortar boxes welded in place by HM frame supplier

Mode of Operation

One leaf normally closed and locked by mag lock. Presentation of valid card to card reader will release power to mag lock and enable wall switch to activate door operator. Entry by pushing door open or by pushing door operator wall switch. Free egress at all times by pushing exit device rail which will release mag lock and enable operator button.

Upon activation of fire alarm mag locks are to lose power allowing free egress. Mag locks to be locally released by fire alarm pull stations located on either side of opening. Mag locks to be overridden and reset by key switch located at main fire alarm annunciator panel.

Door# D206 - East leaf of double egress pair to receive 55-56-8810 and CEPT-10

Door# D104, D106, D108 - North leaf of double egress pair to receive 55-56-8810 and CEPT-10

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 43.0

Single D212, corridor C207 to test library 212, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Wall Stop	405	US26D	RO
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

Set: 44.0

Single D215, corridor C208 from family therapy room 215, 965 x 2135 x 45, Hollow Metal x , LHR,
Single D216, corridor C201 to wellness room 216, 965 x 2135 x 45, Hollow Metal x , RH,
Single D217b, corridor C201 to lounge 217, 965 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 44.1

Single D217, corridor C201 to lounge 217, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Concealed Overhead Stop	6-X36	630	RF
1	Surface Closer	7500 (pull side mount)	689	NO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree allowable by site conditions

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 45.0

Single D217a, lounge 217 to coats 217a, 610 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Storeroom Lock	ML2057 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Floor Stop	441H	US26D	RO

Set: 46.0

Single D218, corridor C201 from storage 218, 965 x 2135 x 45, Hollow Metal x , LHR,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Storeroom Lock	ML2057 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	CPS7500	689	NO

Set: 47.0

Single D219, corridor C203 from storage 219, 965 x 2135 x 45, Hollow Metal x , RHR,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Storeroom Lock	ML2057 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	CPS7500	689	NO

Set: 47.1

Single D231, corridor C203 from elevator machine room 231, 965 x 2135 x 45, Hollow Metal x , LHR, 45 min

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Storeroom Lock	ML2057 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	CPS7500	689	NO
1	Gasketing	S773BL		PE
1	Sweep	18061CNB TKSP8 WIDTH		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 48.0

Single D220, corridor C201 to prayer room 220, 965 x 2135 x 45, Hollow Metal x , RH,
Single D222, corridor C201 to confidential student work room 222, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 48.A

Single D221, corridor C203 to office / supervision 221, 965 x 2135 x 45, Hollow Metal x , LH,
Single D223, corridor C203 to office / supervision 223, 965 x 2135 x 45, Hollow Metal x , LH,
Single D225, corridor C203 to office / supervision 225, 965 x 2135 x 45, Hollow Metal x , RH,
Single D227, corridor C203 to office / supervision 227, 965 x 2135 x 45, Hollow Metal x , LH,
Single D229, corridor C203 to office / supervision 229, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Office Lock	ML2051 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 49.0

Single D224, corridor C204 to research / therapy assessment room 224, 965 x 2135 x 45, Hollow Metal x , LH,
Single D228, corridor C204 to research therapy assessment room 228, 965 x 2135 x 45, Hollow Metal x , RH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 50.0

Single D224a, corridor C204 to viewing room 224a, 965 x 2135 x 45, Hollow Metal x , LH,
Single D228a, corridor C204 to viewing room 228a, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Classroom Lock	ML2055 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Floor Stop	441H	US26D	RO
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 51.0

Single D226, corridor C204 to office 226, 965 x 2135 x 45, Hollow Metal x , LH,
Single D232, corridor C204 to office 232, 965 x 2135 x 45, Hollow Metal x , RH,
Single D237, reception / copy 235 to admin office 237, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Office Lock	ML2051 NSA CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Threshold	151A x door width	627	PE
1 Gasketing	supplied by acoustic door and frame supplier		PE
1 Door Bottom	supplied by acoustic door and frame supplier		PE

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 52.0

Single D230, corridor C204 to research data / analysis room 230, 965 x 2135 x 45, Hollow Metal x , LH,
Single D233, corridor C202 to large group room 233 , 965 x 2135 x 45, Hollow Metal x , LH,
Single D235, corridor C202 to reception / copy 235, 965 x 2135 x 45, Hollow Metal x , LH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	7500 (pull side mount)	689	NO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Electric Power Transfer	CEPT-10		SU
1	Card Reader	HID multiCLASS SE RP40		HID
1	Wiring Diagrams	POINT TO POINT		00
1	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 52.1

Single D235a, reception / copy 235 to active storage 235a, 965 x 2135 x 45, Hollow Metal x , LH,

3 Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1 Electrified Mortise Lock	RX-ML20906-SEC NSA M92 CMK	630	RU
1 Cylinder	100200AT P GMK GGMK Z09	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Floor Stop	441H	US26D	RO
1 ElectroLynx Harness (In Frame)	QC-C1500P		MK
1 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
1 Mortar Box	TA-6410 (to suit current transfer location)		OT
1 Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Door supplier to provide raceway thru door to electric lock location
Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card to card reader will unlock door and allow entry by turning lever and pulling / pushing door open.
Free egress at all times from inside by turning lever and pulling / pushing door open.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 52.A

Single D239, reception copy 239 to seminar 239, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Office Lock	ML2051 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Floor Stop	441H	US26D	RO
1	Threshold	151A x door width	627	PE
1	Gasketing	supplied by acoustic door and frame supplier		PE
1	Door Bottom	supplied by acoustic door and frame supplier		PE

Set: 53.0

Pair D234, corridor C204 from IT 234, 1930 x 2135 x 45, Hollow Metal x , RHRA/LHR,

6	Hinge	TA2714 Size to Suit (NRP at Outswinging Doors)	US26D	MK
1	Flush Bolt	555	US26D	RO
1	Dust Proof Strike	570	US26D	RO
1	Storeroom Lock	ML2057 NSA CMK	630	RU
1	Cylinder	100200AT P GMK GGMK Z09	19	MC
1	Surface Closer	CPS8501	689	NO

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 54.0

Single D234a, corridor C202 to universal washroom WR234, 965 x 2135 x 45, Hollow Metal x , RH,

3	Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1	Storeroom Lock	21 8206 LNL x less strike	US32	SA
1	Cylinder	100200AT GMK GGMK (key switch)	19	MC
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Electric Strike	1006-F-LBM	630	HS
1	Push Plate	70C x 152mm x 762mm x CFC x TAPE x B4E (RH)	630	RO
1	Concealed Overhead Stop	6-X36	630	RF
1	Auto Door Operator	SW200i-IS-99-CL	628	BM
1	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Universal Washroom Call System	CX-WC13AXFM		OT
1	Key Switch	MKA	628	OT
1	Universal Emergency Call System Kit	CX-WEC10K2	630	OT
1	Relay	RB-4-24		SU
1	Door Position Switch	1076-D		OT
1	ElectroLynx Harness (In Frame)	QC-C1500P		MK
1	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1	Emergency Instructional Signage	CM-SE21		00
1	Power Supply	BPS-24-1		SU
1	Mortar Box	TA-6410 (to suit door contact location)		OT
1	Mortar Box	TA-6410 (to suit door operator location)		OT
1	Mortar Box	TA-6410 (to suit electric strike location)		OT

Notes: Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree of opening allowable by site conditions

Mode of Operation

Door normally closed and latched. Outside occupancy indicator GREEN. Door can be opened manually by pushing door open or by pushing operator wall switch. Once inside room and with door closed, pressing Push-To-Lock button locks door and disables corridor side wall switch, and changes LED on occupancy indicator to RED from GREEN.

Egress by pushing / pulling door open or by pushing inside wall switch.

Key switch inside secures bathroom if service work required.
Pressing inside wall mounted mushroom button activates washroom and corridor mounted lights and horn.
Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 55.0

Pair DST201, existing stairwell ST201 from corridor C202, 1930 x 2135 x 45, Hollow Metal x ,
RHRA/LHR, 45 min

6	Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1	Removable Mullion	12-L980	PC	SA
1	Electrified Rim Exit	12 21 55 8876-24v ETL	US32D	SA
1	Electrified Rim Exit	12 21 55 8874-24v ETL	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Cylinder	100403VT P GMK GGMK	19	MC
2	Concealed Overhead Stop	6-X36	630	RF
2	Surface Closer	7500 (pull side mount)	689	NO
2	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1	Gasketing	S773BL		PE
2	Sweep	18061CNB TKSP8 WIDTH		PE
2	Door Position Switch	1076-D		OT
2	ElectroLynx Harness (In Frame)	QC-C1500P		MK
2	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
2	Electric Power Transfer	CEPT-10		SU
1	Wiring Diagrams	POINT TO POINT		00
2	Mortar Box	TA-6410 (to suit current transfer location)		OT

Notes: Mortar boxes welded in place by HM frame supplier
Template overhead stop to maximum degree of opening allowable by site conditions

Mode of Operation

Doors normally closed and locked. Presentation of valid card will unlock exit device trim levers. Entry by turning levers and pulling doors open.
Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 56.0

Pair DST202, existing stairwell ST202 from corridor C201, 2030 x 2135 x 45, Hollow Metal x ,
RHRA/LHR, 45 min

6	Hinges	T4A3786 Size to Suit (NRP at Outswing Doors)	652	MK
1	Removable Mullion	12-L980	PC	SA
1	Electrified Rim Exit	12 21 55 8876-24v ETL	US32D	SA
1	Electrified Rim Exit	12 21 55 8874-24v ETL	US32D	SA
1	Cylinder	100200AT P GMK GGMK Z20	19	MC
1	Cylinder	100403VT P GMK GGMK	19	MC
2	Surface Closer	7500 (pull side mount)	689	NO
2	Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
2	Wall Stop	405	US26D	RO
1	Gasketing	S773BL		PE
2	Sweep	18061CNB TKSP8 WIDTH		PE
2	Door Position Switch	1076-D		OT
2	ElectroLynx Harness (In Frame)	QC-C1500P		MK
2	ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
2	Electric Power Transfer	CEPT-10		SU
1	Wiring Diagrams	POINT TO POINT		00
2	Mortar Box	TA-6410 (to suit current transfer location)		OT
1	Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Mortar boxes welded in place by HM frame supplier

Mode of Operation

Doors normally closed and locked. Presentation of valid card will unlock exit device trim levers. Entry by turning levers and pulling doors open.
Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 57.0

Single DST203, existing stairwell ST203 from corridor C206, 965 x 2135 x 45, Hollow Metal x , LHR, 45 min

3 Hinge (heavy weight)	T4A3386 Size to Suit (NRP at Outswinging Doors)	US32D	MK
1 Electrified Rim Exit	12 21 55 8876-24v ETL	US32D	SA
1 Cylinder	100403VT P GMK GGMK	19	MC
1 Surface Closer	7500 (pull side mount)	689	NO
1 Kick Plate	K1050 8" x WIDTH 4BE CSK	US32D	RO
1 Wall Stop	405	US26D	RO
1 Gasketing	S773BL		PE
1 Sweep	18061CNB TKSP8 WIDTH		PE
1 Door Position Switch	1076-D		OT
1 ElectroLynx Harness (In Frame)	QC-C1500P		MK
1 ElectroLynx Harness (In Door)	QC-CX00 LENGTH		MK
1 Electric Power Transfer	CEPT-10		SU
1 Card Reader	HID multiCLASS SE RP40		HID
1 Wiring Diagrams	POINT TO POINT		00
1 Mortar Box	TA-6410 (to suit current transfer location)		OT
1 Mortar Box	TA-6410 (to suit door contact location)		OT

Notes: Mortar boxes welded in place by HM frame supplier

Mode of Operation

Door normally closed and locked. Presentation of valid card will unlock exit device trim lever. Entry by turning lever and pulling door open.
Free egress at all times.

UNIVERSITY OF GUELPH BUILDING #046 RENOVATION
GUELPH, ON

Set: 58.0

Single D302, exterior from existing mechanical room 302, 915 x 1842 x 57, Aluminum x , LHR,

1	Continuous Hinge	MCK-12HD x Dr Height	CL	MK
1	Mortise Deadlock	MS1850S-050 1-1/2" BS 1	628	AD
2	Cylinder	100200AT P GMK GGMK Z02	19	MC
1	Cylinder Pull	90	US26D	RO
1	Closer	4041XP SCUSH	689	LC
1	Adapter Plate	4040XP-18PA	689	LC
1	Threshold	252x3AFG WIDTH		PE
1	Sweep	18061CNB TKSP8 WIDTH		PE
1	Door Position Switch	1076-D		OT

Notes: Balance of perimeter weather strip by aluminum door supplier.

Set: 59.0

Description: Power Distribution - power supplies to be mounted on north wall of vestibule 117

1	Cylinder	100200AT GMK GGMK (key switch)	19	MC
1	Keyswitch	MKA2 (mag lock override / reset - to be installed by main fire alarm annunciator panel)		SU
4	Power Supply	BPS-24-10 x B-24-5(2) (electric locksets and exit devices)		SU
1	Power Supply	BPS-24-4 x CFAR-24 (mag locks)		SU
	Note	low voltage wire from each opening to power supply room supplied and installed by University of Guelph		OT

Set: 60.0

Description: KEYS and KEYING

10	Cut Keys	Medeco M3 GMK		MC
40	Cut Keys	Medeco M3 MK		MC
	Cut Keys	Medeco M3 Change Keys – 4 keys per change		MC
2	Key Cabinet	1205A		LU
15	Cut Keys	Corbin Russwin Cut Construction Key		RU

Set: 61.0

Description: Elevator Cab

1 Card Reader	HID multiclass SE RP40	HID
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END OF SECTION 08 71 00