1 ADDENDUM #1

ALL CLAUSES SET FORTH IN THE BIDDING DOCUMENTS, CONTRACT DOCUMENTS AND GENERAL REQUIREMENTS OF THE ORIGINAL CONTRACT DOCUMENTS SHALL APPLY TO AND GOVERN THIS WORK. THE ADDENDUM REFERS TO CHANGES AND ADDITIONS TO THE ORIGINAL CONTRACT DOCUMENTS AND IS TO BE READ IN CONJUNCTION WITH THE SAME. ALL OTHER PARTS OF THE ORIGINAL CONTRACT DOCUMENTS ARE TO BE CONSIDERED AS APPLYING TO THE WORK OF THIS CONTRACT WITH THE EXCEPTIONS AND CHANGES AS NOTED BELOW.

1.1 SPECIFICATIONS

.1 Reference Section 00 01 18 - Appendices:
- .1 Reference Paragraph 1.1.1:
  - .1 Delete Appendix 'A' - Data Wiring Guidelines dated March 9th, 2020 in its entirety and replace with updated Data Wiring Guidelines dated November 5th, 2026, attached and forming part of this addendum.

.2 Reference Section 00 21 13 - Bid Form:
- .1 Reference Paragraph 1.27.1.3
  - .1 Delete wording "12 NOV 2026" and replace with "24 NOV 2026".

.3 Reference Specification Section 26 24 16.01 – Panelboards Breaker Type:
- .1 Reference Paragraph 2.1:
  - .1 Existing panelboards are manufactured by Siemens.

.1 Reference Specification Section 27 10 05 – Structured Cabling for Communication Networks:
- .1 Reference Paragraph 2.2.1:
  - .1 Delete wording in its entirety and replace with the following:
    “100 OHM, 4 pair, 23 AWG U/UTP Shielded Balanced Twisted Pair Cable – CMP/FT6.”
- .2 Reference Paragraph 2.2.1.2:
  - .1 Modify wording reading “24 awg” to read “23 AWG”.

1.2 DRAWINGS

.1 Reference Drawing A001 - Context Plan, Project Info, General Notes, Legend and Typical Mounting Heights:
- .1 Reference General Notes:
  - .1 Delete General Note #8 in its entirety.

.2 Reference Drawing A050- Demolition Plan:
- .1 Reference Demo Notes:
  - .1 Add new Demo Notes D16, D17 & D18 as follows:

"D16 GWB ceiling at Level 2 washrooms to be demolished.

D17 Remove the existing tile flooring in the rear portion of the former meat shop, the new motor lab (Room 309), and surrounding areas. Grind down high spots and level the existing concrete floor as far as practicable.

D18 Acoustic ceiling tile and suspension system at Level 2 to be demolished.".

.3 Reference Drawing A100 – Floor Plans:

.1 Reference attached sketch ASK001 for Classroom Doors:

.1 Revise Door 306.1 swing to the opposite hand as noted on ASK001.

.2 Relocate Door 306.2 as noted on sketch ASK001.

.4 Reference Drawing E001 - Legend, Full Building & Site Plan, Existing Freezer Enlargement & Trench Detail:

.1 Reference Note 1:

.1 Fibre cabling between existing data rack and new data rack located in Freezer 332 to be OM4 indoor-rated armoured fibre and run exposed in the exposed ceiling space on existing J-hooks and cable tray where possible and where required new J-hooks.

.5 Reference Drawing E100 - Main Level & Level 2 -Power, Communications & Systems:

.1 In Common Area 300, two (2) wireless access points are to be relocated to their respective closest adjacent columns. Coordinate exact location with Owner's Representative on site prior to rough-in.

.2 In Classroom 301, add one (1) wireless access point on the West wall adjacent to gridline 'D'. Coordinate exact location with Owner's Representative on site prior to rough-in.

.3 In Classroom 301, three (3) communications outlets located on the East wall and three (3) communications outlets located on the West wall with one (1) data drop to be modified to have two (2) data drops.

.4 In Classroom 301, delete one (1) communications outlet with two (2) data drops located on the North wall.

.5 In Classroom 301, add one (1) communications outlet with two (2) data drops on the West wall adjacent to existing communications outlet and quadruplex receptacle with circuit designation '104-1'. Two (2) CAT6A cables to be routed from new communications outlet to owner supplied projector in accordance with Detail 4 on Drawing E300.

.6 In Classroom 306, add one (1) wireless access point on the East wall adjacent to gridline 'D'. Coordinate exact location with Owner's Representative on site prior to rough-in.

.7 In Classroom 306, delete one (1) communications outlet with two (2) data drops located on the West wall.

.8 In Classroom 306, add one (1) communications outlet with two (2) data drops on the South wall adjacent to existing communications outlet and quadruplex receptacle with circuit designation '104-15'. Two (2) CAT6A cables to be routed from new communications outlet to owner supplied projector in accordance with Detail 4 on Drawing E300.

.9 In Classroom 306, add two (2) communications outlets with two (2) data drops on the South wall. Communications outlets are to be located adjacent to duplex receptacles with circuit designation '104-15' and '104-17', respectively.

.10 In Classroom 306, add two (2) communications outlets with two (2) data drops on the North wall. Communications outlets are to be located adjacent to duplex receptacles with circuit designations '104-17'.

.11 In Classroom 306, two (2) light switches with designations '2h' and '2i', respectively, are to be three-way dimming switches and relocated to be adjacent to the latch side of Door 306.1.

.12 In Classroom 306, two (2) three-way light switches are to be added adjacent to the latch side of Door 306.2 and wired to local lighting circuits '2h' and '2i', respectively.

.13 In Greenbuild Lab 308, add one (1) communications outlet with two (2) data drops on the South wall along gridline 'C' between gridlines '4' and '5'.

.14 In Greenbuild Lab 308, three (3) wireless access points are to be relocated to their respective closest adjacent column. Coordinate exact location of wireless access points with Owner's Representative on site prior to rough-in.

.15 In Electrical Room 313, existing switchboard is manufactured by Siemens.

.16 In Future Development 314-329, add one (1) wireless access point adjacent to the intersection of gridlines 'B' and '2'. Coordinate exact location with Owner's Representative on site prior to rough-in.

.17 In Mech. Room 331, add one (1) CSA Type 1 rated 15A, 208V unfused disconnect switch on the Southwest wall adjacent to gridline 'B'. New electrical unit heater 'UH-1' to be wired with 2#12, 1#14 bond in ¾" C through new CSA Type 1 disconnect switch to new 15A/2P circuit breaker in spaces 26 and 28 of panelboard '102' located in Storage 330. Coordinate exact location of electric heater unit with Mechanical Contractor on site prior to rough-in.

.18 In Mech. Room 331, provide for wiring one (1) electronic trap primer control box with 2#12, 1#14 bond in ¾" C to existing door power supply circuit '102-18'. All control wiring to be completed by others. Coordinate exact location of electronic trap primer control box with Mechanical Contractor prior to rough-in.

.6 Reference Drawing E300 - Power, Communications and Systems Details:

.1 Reference Detail 5/E300:

.1 Fibre cabling between existing data rack and new data rack located in Freezer 332 to be OM4 indoor-rated armoured fibre and run exposed in the exposed ceiling space on existing J-hooks and cable tray where possible and where required new J-hooks.

.7 Reference Drawing E302 – Schedules:

.1 Reference Mechanical Equipment Schedule:

.1 Insert new row following P-3, labelled 'TP-1'. 'TP-1' to be a 120V electronic trap primer located in Mech. Room 331.

.2 Beneath the REMARKS heading of the new row 'TP-1', add "Electronic trap primer control box to be wired with 2#12, 1#14 bond in ¾" C routed through the exposed ceiling space of Storage 330 and Mech. Room 331. Coordinate exact location of electronic trap primer control box with Mechanical Contractor on site prior to rough-in."

.3 Insert new row following new row 'TP-1', labelled 'UH-1'. 'UH-1' to be a 2kW, 208V, single phase, electrical unit heater located in Mech. Room 331.

.4 Beneath the REMARKS heading of the new row 'UH-1', add "supply and install local CSA Type 1 rated 15A, 208V unfused disconnect switch. Locate CSA Type 1 disconnect switch adjacent to unit. Route 2#12, 1#14 bond in ¾" C through local unfused disconnect switch. Coordinate exact location of electrical heater unit with Mechanical Contractor on site prior to rough-in."

END OF SECTION

APPENDIX 'A'

Data Wiring Guidelines

(dated November 05, 2026)

Data Wiring Guideline - Holland College

November 5th, 2026

SUMMARY:

- All cables and equipment must be of high quality and from well-respected manufacturers such as Belden, Panduit, etc.
- Cables, patch panels, and modular jacks must all be installed as per Category 6A specifications – which includes the routing, termination and support of the cable runs.
- Especially in recently renovated locations, all cable runs (single or multiple runs) must be bundled and routed in an organized fashion – as per the details below (must follow existing cable trays, conduit, etc. – not just run diagonally on top of ceiling tile).
- Cables, patch panels, etc. must be clearly labeled **as defined by Holland College technical staff** (in accordance with any existing labeling).
- The various categories of use must be terminated and labeled in their own section of the data rack (i.e. Data, Voice, IP Cameras, Lockdown, Building Systems, etc.) – according to the syntax provided by Integrated Technology Services. We want to be able to easily identify these separate categories on a patch panel(s).
- ***Vendor must provide Holland College with electronic printout of scanner results*** – email itservices@hollandcollege.com

DETAILS:

1. **Cable Supports, Harnesses and Sleeves**
    a. All free-running cables shall be securely fastened to appropriate cable supports and harnesses so that cables are routed tightly to ensure a maximum interharness cable sag of 150mm.
    b. All cables shall be completely supported by the harnesses so that the entire mass of the cables and harnesses is self-supporting and no weight is transferred to any other existing fixture or structure in the ceiling space (i.e. suspended ceiling or light fixtures).
    c. Cable supports and harnesses must not be welded to structural steel members and burning of holes in structural steel is prohibited.
2. **Cabling Specifications**
    a. Data and Voice cables UTP:
        i. Horizontal copper data cabling shall be Category 6A, 100-ohm balanced UTP. All cable, patch panels, jacks, patch cords, and associated connectivity components shall be rated for Category 6A performance and comply with the current applicable ANSI/TIA-568 series standards. Components shall be from reputable manufacturers and shall constitute a standards-compliant Category 6A structured cabling system.
3. **Cabling System Certification**

a. All cables must be installed in accordance with the manufacturer's requirements for system certification.
b. All supplied products must be compatible with each other when connected for compliance to **both EIA/TIA Category 6A Permanent Link and Channel Test Performance Specifications** (total installation must be within acceptable limits).
c. Installer must provide Holland College with electronic copies of the scanner printouts verifying that the data lines installed are in compliance with both EIA/TIA Category 6A Permanent Link and Channel Test Performance Specifications. This must be emailed to Integrated Technology Services Dept. at Holland College before invoice will be paid. (itservices@hollandcollege.com)

4. Cable installation

a. All cables to be pulled in a continuous run – no splicing is permitted
b. All cables shall be neatly bundled and tie-wrapped. Route cables on cable tray (where one exists) through the corridor ceiling space.
    i. Velcro tie wraps must be used for cable bundling and routing. Standard plastic tie-wraps are unacceptable.
    ii. Velcro tie wraps are to be installed at a minimum of every 8" where cables are exposed within the Termination Rooms (wiring closets).
c. Utilize all available cable pathways such as conduit, cable trays, ducts, raceways and furniture channels, except where otherwise advised by Holland College. Exercise caution when pulling cables in such pathways as to avoid damage to any existing cabling and to ensure that the manufacturer's maximum pull-force and minimum bend-radii specifications are adhered to.
d. Any ceiling routed free-running cables shall be securely fastened to appropriate cable supports and harnesses a minimum of every (6) feet so that cables are routed tightly to the underslab above (not just laying on a dropped ceiling).
    i. Unless otherwise approved by IT Services at Holland College, the contractor shall route all free-running cables in main common-bundled routes through the facility to the termination locations. **DIAGONAL cable runs will not be accepted** (this is especially true in the newer locations where cables all run from a room to a central corridor, and then to the wiring closet).
e. Route all cables and conduits to ensure adequate separation from sources of interference such as lighting, power cables, HVAC and electrical equipment.
f. When routing horizontal distribution cables to termination panels, all cables must be organized to minimize cross-overs and congestion
g. Cable labels must be installed **at the time of outlet termination** and should be **mechanically printed** in a clear and professional manner on self-laminating vinyl labels.
h. **Cable labels must adhere to the syntax defined by the Integrated Technology Systems Department** and (unless otherwise instructed), should identify the **Closet (letter)** – **Patch Panel (letter)** -and the **Patch Panel Port (number)**. (i.e. **F-B-17**)

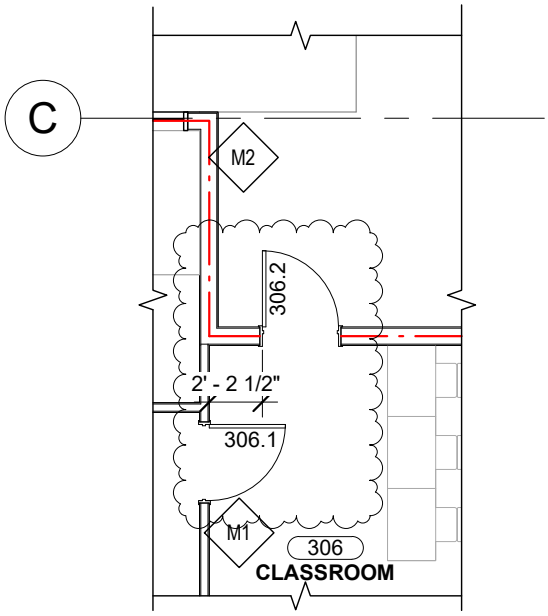
5. **Patch Panel and Modular Jacks**
    a. Patch panels must be 19" rack mountable, 2U high, 48-port modular jack panels - Belden or equivalent from an industry leading manufacturer (i.e. Panduit, etc.).
        i. All ports must be discrete and individually replaceable. Multi-port ganged modules are not acceptable.
    b. Data patch panel modular jacks shall:
        i. Be Category 6A rated modular jacks compatible with the specified patch-panel system.
        ii. Be 8-position jacks with insulation displacement contacts for horizontal-cable terminations.
        iii. Support the T568A pinout connector scheme and be appropriately identified and colour coded.
        iv. Meet Category 6A component performance requirements of the current applicable ANSI/TIA-568 series standards.
        v. Have a minimum of 50 microinches (µin) of gold plating over a nickel base and carry applicable UL/cUL or equivalent Canadian safety certifications.
        vi. Be part of a manufacturer-supported Category 6A structured cabling system.
    c. At all cable termination points, the individual cable pairs must maintain their twists to the point of termination onto the modular jack or connector.
        i. A maximum amount of (0.25 inches) of cable can be untwisted at the termination point for all cables.
        ii. A maximum amount of (1.0 inches) of outer cable sheath can be removed at all termination locations.
    d. All patch panel installations should include horizontal cable management
    e. Data, Voice, IP Cameras, Building Systems, and Lockdown cables **must be terminated in separate (and clearly labeled) patch panels** – unless otherwise approved by Integrated Technology Services at Holland College. In smaller locations, it may be acceptable to segregate a 48-port patch panel into separate sections for each of the categories above – as long as there is some room for additional expansion in that same area.
        i. In the end, we want all data drops terminated in one location of the rack, voice drops in another, IP cameras in their own section, etc. We don't want them all intermixed.
    f. All patch panels and modular jacks shall be labeled in a clear and professional manner – using mechanically printed adhesive vinyl labels.

AUDIO VISUAL INSTALLATIONS:

For each mounted projector installation, you generally require:

- A PC located near the front of the room with:
    - (2) CAT6 data drops going to the wiring closet
    - (2) CAT6 data drops going to the mounted projector in the ceiling (which is approximately 12' back from the screen)

    - Electrical outlets for the PC, Display, CAT6 converter, and possibly an audio amplifier
- A projector mounted in the ceiling with:
    - (2) CAT6 data drops going to the projector PC (as described above)
    - Electrical outlets for the projector and CAT6 converter
    - If ceiling speakers and an audio amplifier are included, you may also need :
        - Electrical outlet for an audio amplifier
        - Shelving for audio amplifier
        - Speaker wire and speakers installed in ceiling
        - **NOTE:** Contractor must take into account any sprinklers, ductwork, light fixtures, etc., in the ceiling which may prevent easy data/electrical connection to the ceiling-mounted projector. The patch cables and power cords from the projector will typically only reach about 2 feet from where the projector mount enters the ceiling tile. **The contractor installed data/electrical must be within easy reach of the projector.**



1
ASK001

MAIN LEVEL - PARTIAL FLOOR PLAN

1/8" = 1'-0"

Issued for Addendum #1

COLES
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Client:
Holland College

Project Title:
Holland College Summerside
Waterfront Campus - GreenBuild
Trade Expansion

Sheet Title:
Main Level - Partial Floor Plan

Scale: 1/8" = 1'-0"	Drn By: KAH
Date: 2026-11-10	Chk By: SDM

Project Number:
261102

Drawing Number:
ASK001

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