



Wednesday, June 24, 2026

**DOCUMENT - 2026-353T  
INTERIOR RENOVATIONS FOR PEEL REGIONAL POLICE AT 180 DERRY  
ROAD EAST, MISSISSAUGA  
ADDENDUM NO 1**

Number of Pages: 18

Referring to the above Document 2026-353T - INTERIOR RENOVATIONS FOR PEEL REGIONAL POLICE AT 180 DERRY ROAD EAST, MISSISSAUGA, please note the following:

**1. Bid Closing Date**

The closing date has been extended to:

**12:00PM noon local time**

**TUESDAY, JULY 14, 2026**

**2. Specifications and Drawings**

**ADD** Appendix A Existing Drawings, which includes:  
Electrical as-built **Drawing**:

-180 Derry Original Elec As BUILTS

Mechanical as-built Drawings:

-180 Derry Road 2003 Original Construction

-180 Derry Road 2008 Addition

Note: The Appendix A Existing Drawings can be downloaded from the online bidding system under this bid call. These drawings are for reference only.

### **3. Electrical and Technology Drawings**

Refer to the attached Consultant's Electrical and Technology Addendum No. 01 (7 pages).

### **4. Questions and Answers**

#### **Question 1:**

What are the rough-in requirements for the Room Scheduling Panels?

#### **Answer 1:**

Back box Size: The standard Room Scheduling Panel back box size is 2-gang.  
Back box Height: 48" AFF.

#### **Question 2:**

No specification for the Floor Boxes and Floor Pack Pole, please clarify.

#### **Answer 2:**

- Floor boxes: acceptable manufacturers are Hubble or approved equal. Refer to Electrical Addendum #01 drawing E001 Electrical Symbols, Legends & Drawing List for Floor Box Schedule note.
- Pac poles: equipment shall match existing model(s). Refer to Electrical as-built 180 Derry Original Elec As Builts drawing E-8 detail 5 that notes Wiremold NP800 and Wiremold Vista Pole, to be verified on site.

#### **Question 3:**

Please Clarify which receptacles are part of the furniture, shown attached to Furniture Connections

#### **Answer 3:**

All receptacles are included as part of furniture. Only furniture power feed (2x each as per legend) and furniture mounted data to be provided.

**Question 4:**

Further clarification is required re: demolition of electrical devices. The hatched area and overall scope is clear, but number of existing devices of each type will be needed to accurately price. Please clarify.

**Answer 4:**

Refer to the following attached as-built drawings for existing systems.

Electrical as-built:

\_180 Derry Original Elec As Builts

Mechanical as-builts:

\_180 Derry Road 2003 Original Construction

\_180 Derry Road 2008 Addition

**Question 5:**

This project is spec'd Panduit certified Installer - which we are not currently. However, we would be pleased to submit a comparable quotation utilizing industry-leading structured cabling solutions from either Belden or PSI. Both manufacturers offer high-performance copper and fiber infrastructure products that meet or exceed the technical performance requirements outlined within the project specifications, including Category 6A cabling systems, connectivity hardware, patch panels, fiber infrastructure, testing, and certification requirements.

**Answer 5:**

The requirement for a Panduit Certified Installer has been established by the Peel Regional Police ITS Department. Vendors are not required to hold this certification themselves; however, they must ensure that the installation is completed by a contractor who is a Panduit Certified Installer. If desired, the successful vendor may engage a telecommunications contractor with the appropriate Panduit certification to perform this work.

**Question 6:**

In supplementary conditions section SC.9 item 2.(1.1.3), Could you please advise if the words 'The Contractor is not responsible for any errors or omissions or inconsistencies in the Contract Documents. The Contractor shall exercise the standard of care set out in SC. 52 GC 14.2 in reviewing the Contract Documents.' could be added to the end of paragraph 1.1.3?

**Answer 6:**

No. The existing SC. 9 remains no change.

**Question 7:**

Drawings can not performing on On-Screen Takeoffs, meaning when the drawings downloaded to On-Screen Takeoff program, it showing blank, please advise

**Answer 7:**

We do not use that program. The drawing can be downloaded in PDF files.

**Question 8:**

is Full-Time On-Site Flagman needed since this is a interior renovation project

**Answer 8:**

No, a full-time on-site flagman is not anticipated for this project, as the work primarily consists of interior renovations. Should specific activities require traffic control, pedestrian management, or the movement of materials and equipment that could impact building occupants or vehicle traffic, the General Contractor shall provide appropriate personnel and safety measures as required to maintain a safe work environment and comply with all applicable regulations

**Question 9:**

Are there any mandatory base building contractors that must be used for the Fire Alarm, Sprinkler, BAS, Electrical Security scopes of work? If so, please provide the contact information for the required contractors

**Answer 9:**

The current base building contractors:

- Fire alarm contractor is Lifeline and can be contacted at 416-850-9477.
- BAS vendor is Johnson Controls. Contacts: Rammi Famous 416-333-6378  
ramy.famous@jci.com & Rammi Khadouri 647-208-2206  
[rammi.khadouri@jci.com](mailto:rammi.khadouri@jci.com)
- Data vendor is Meteor Networks. Contact: Paul Rotondo 905-595-5315  
[paulr@meteortel.com](mailto:paulr@meteortel.com)
- Security Contractor is Ryan Grealy Clockworks [ryan@clockworksystems.ca](mailto:ryan@clockworksystems.ca)

The Security Contractor and BAS Contractor are the mandatory trades to be carried. Security work is to be covered by cash allowance.

For the rest of the trades, the successful vendor is under no obligation to use the Peel Regional Police Base Building contractors and may choose to engage their own qualified contractors if they wish.

Should the vendor elect to use any of the Peel Regional Police Base Building contractors, it will be entirely at the vendor's discretion. Please note that any contractual arrangements, coordination, costs, liabilities, or obligations associated with the Base Building contractor will be solely between the successful vendor and that contractor.

Peel Regional Police will not be a party to, nor responsible for, any such agreements or disputes arising from those arrangements.

**Question 10:**

No demolition scope of work is shown on Drawings E101, E102, E103, E104, E201, E202, and E204. Please clarify

**Answer 10:**

For drawings E102, E103, & E104, refer to detail 1 on each of their respective drawings for the hatched areas on the plans as well as detailed descriptions of each of the hatched areas on the Demolition Legend.

For drawings E101, E201, E202, and E204, these drawings were not issued as part of Addendum No 1. However, please also refer to detail 1 on each of their respective drawings for the hatched areas on the plans as well as detailed descriptions of each of the hatched areas on the Demolition Legend.

Please refer to as built **\_180 Derry Original Elec As Builts** provided for device counts, to be verified on site.

**Question 11:**

On drawing A120 it indicates section 1/A210 seemingly throughout the entire floor plan, it is in multiple spots at exterior walls.

This section calls for a new layer of drywall at the exterior walls, however there is a note on the section that indicates 'replace interior layer where damaged'.

I don't see any demolition scope throughout the floor plan other than in the front entrance area.

Does this detail apply throughout? Are we replacing the drywall throughout the entire ground floor exterior walls?

If not, what is the extent of the patching / replacement scope?

**Answer 11:**

Drawing A120 & Section 1/A210 not applicable to this project.

**Question 12:**

There are two electrical drawing named E103.

**Answer 12:**

In the Elec & Tech "Issued For Tender" drawing package, both page 4 and page 8 have the same sheet number E103 and the same sheet name PARTIAL SECOND FLOOR - POWER AND SYSTEMS - DEMO & NEW. Please note that page 8 is incorrect and should have sheet number E203 and sheet name

PARTIAL SECOND FLOOR - LIGHTING - DEMO & NEW instead. The drawing on page 8 shall be updated such that the next issuance of this sheet contains the correct information.

**Question 13:**

There is a typical note on all floor plans indicating that the deck height is 4.4 m and for the GC to verify. This note appears across all floors from basement – 3rd. could you please confirm the deck height as they are likely not all 4.4m.

**Answer 13:**

For calculation consider 4.4m for all three floors.

**Question 14:**

On 2nd & 3rd floor plans, partition type P9 is a top up of existing. Could you please confirm what the existing height is for these partitions?

**Answer 14:**

Consider the existing partition height 2.7m.

**Question 15:**

Can all furrings terminate 6" above ceiling height?

**Answer 15:**

All partitions to be extended to underside of existing structural slab

**Question 16:**

- Door schedule indicate 34 doors with automatic operators.
- Hardware schedule indicate 63 doors with automatic operators.

Please advise what to follow for our pricing.

**Answer 16:**

Total of 63 door operators is correct.  
Some operators are to function as closers.

**Question 17:**

Technology Detail drawing #E311 riser diagram shows all floor mounted data cabling on the 3rd floor routing to racks in 2nd floor telecom room 2163.

Questions:

1. There do not seem to be any floor mounted data outlets on the 3rd floor and room 2163 riser shows ONLY those floor data outlets cabled there.
2. Drawings do not show any rack or tray layout in Telecom room 2163 and nothing is in the spec for 2-post racks...only cabinets. I'm thinking the room 2163 SOW may not be required...
3. Also...please provide details for the existing consolidation points, i.e.; size,etc. Cat6A patch panels and patching will be required for the new cabling and, if housed with existing Cat6, there may be a space issue.

**Answer 17:**

1. Floor boxes with floor mounted data outlets shall be provided on the 3rd floor in the Boardrooms and Project Rooms, as denoted by the "FB#" symbol on drawing E104 detail 2. Refer to drawing E001 for the Floor Box Schedule for exact data outlet requirements.

Drawing E311 detail 1 Communications Riser Diagram shall be issued to show the new CAT6A cabling from the existing racks in Telecom 2163 to the revised "FB#" symbol in upcoming Addendum 02.

2. SOW will be required in Telecom 2163 as the existing racks will be utilized to facilitate the new CAT6A cabling to floor mounted data outlets in the floor boxes on the 3rd floor. Refer to electrical as-built drawing **\_180 Derry Original Elec As Builts** for existing systems, to be verified on site.
3. Existing consolidation points shall not be re-used, new consolidation points shall be provided. Refer to drawings E102, E103, & E104 for Demolition Legend.

**Question 18:**

On drawing A201, what is the extend of the new wall type P8 - Demountable pre-Manufactured Glazed Partition System on the floor plans?



**Answer 18:**

Demountable partition is in room# 3-18 Large Board room, Door#D-3-18. The total length of the partition including the door is 6500mm. Refer to detail 4/A700 for more details.

**Question 19:**

On drawing 507, interior elevation 1/A507, Elevation C, who supplies and installs 'NEW PRE-FINISHED ALLOY STEEL UNDER COUNTER/ WALL MOUNT CPU HOLDER/COMPUTER TOWER FOR DESKTOP PC' ?

**Answer 19:**

Millwork contractor.

**Question 20:**

On phasing drawing A901, partial plan 3/A901 (line 2), Corridor 3-26 and part of Corridor 3-39, it appears that two hoarding walls (shown with dashed lines) are indicated within these corridors. The hoarding on the south side seems to run parallel to the existing corridor walls. Please confirm whether this south-side hoarding wall is required to be installed.

**Answer 20:**

Yes, it is required due to different phases.

**Question 21:**

On floor plans, SND (we assume they are new Sanitary Napkin Disposal) do not appear to be in the Floor plan legend. We could find SNP, which are existing sanitary napkin disposals to be reinstalled. Are these the same? or SND are new?

**Answer 21:**

Sanitary Napkin disposal is not required for this project. Existing Sanitary Napkin Dispenser to be removed and reinstalled.

**Question 22:**

Wall type P1A is indicated on Floor Plan A201, but we could not locate it in the Partition Types Legend. Could you please clarify the construction of this wall type?

**Answer 22:**

Refer to Typical Notes drawing A200 & A201 for Fire Rating Suffix Code:

A: 1Hour Fire Rated.

**Question 23:**

Please see below cabling questions and advise:

1. We need to know how many existing CAT6 Cables need to be tested and terminated. What about quantity and locations of consolidation points?
2. Fibre backbone is required under this scope and provide strand count/type if not shown clearly on drawings. Unsure of what type of Fibre Backbone is required.
3. Is client interested in receiving a comparable quote by a NON CSV of the approved manufacturers? This is important as we are NOT Belden CSV - but we can still install and supply all Belden and Panduit Products - which we have for many clients.

**Answer 23:**

1. The contractor is to assess and quantify all the existing coiled cables to the existing consolidation points that are left in the ceiling post demolition. The contractor is to re-terminate, test, and label all existing CAT6 cables onto new CAT6 RJ45 jacks and modular patch panels. The modular patch panels are to be mounted on new consolidation points (CP) identified on the new floor plan layout. The contractor is to provide the additional CAT6A cables to support the additional cabling requirements as per the new floor plan layout. The new permanent link CAT6A cables are also to be terminated and mounted inside the consolidation points, with the additional channel cables from the consolidation point to the remote locations as identified on the drawings. Additional details and requirements are identified in the Div. 27 technical specifications.
2. Fibre backbone is not part of the contract scope of work.

3. All Belden cabling work shall be by a Belden CSV and all Panduit cabling work shall be by a Panduit CSV. A copy of the certifications shall be included as part of the shop drawings.

Colin Zeng

Senior Procurement Analyst



# ADDENDUM

**DATE:** June 22, 2026

**ADDENDUM  
NO.:**

ADD01

**PROJECT:** Emil V Kolb Centre

**ISSUED TO:** Peel Regional Police

**PAGE NO.:**

2520797

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## Architectural

1. Refer to attached Electrical ADD# 01 issued by EXP dated June 12, 2026 for more information.
2. Refer to attached mechanical and electrical as-built drawings for your reference.

END OF ADDENDUM NO. ADD01



**EXP Services Inc.**  
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L3T 0A8

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Facsimile: 905.695.0167

## Electrical and Technology Addendum No. 01

Reference: In response to Swing Space Coordination

Issue Date: June 12, 2026

Project: Emil V Kolb Center, Peel Regional Police Facility Renovation  
(EXP Project Number MRK-25008051-A0)

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This addendum shall form an integral part of the Bid Documents for the above project and shall be read in conjunction therewith. This addendum shall, however, take precedence over all requirements of the previously issued Drawings and Specifications with which it may prove to be at variance, unless otherwise clarified by the Consultant.

This addendum must be signed by the Bidder in the appropriate space and must be attached to the back of the Bid Form for submission at the time of bidding. Bids not including this addendum signed as requested may be rejected as informal.

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### Revisions / Clarifications

The following changes and clarifications shall be considered when submitting your bid.

#### **1.1. ELECTRICAL AND TECHNOLOGY DRAWINGS**

##### **1.1.1. E001 – ELECTRICAL SYMBOLS, LEGENDS & DRAWING LIST (included herein)**

- .1 Revise Floor Box Schedule to include note for acceptable manufacturers, as bubbled.

##### **1.1.2. E102 – PARTIAL GROUND FLOOR - POWER AND SYSTEMS - DEMO & NEW (included herein)**

- .1 Revise Demolition Legend to include temporary miscellaneous equipment, as bubbled.

##### **1.1.3. E103 – PARTIAL SECOND FLOOR - POWER AND SYSTEMS - DEMO & NEW (included herein)**

- .1 Revise Demolition Legend to include temporary miscellaneous equipment, as bubbled.
- .2 Revise location of Swing Space from CLOSET 2160A to THREAT ASSESMENT 2157 AND THREAT FILES 2157A, as bubbled.

**1.1.4. E104 – PARTIAL THIRD FLOOR - POWER AND SYSTEMS - DEMO & NEW (included herein)**

- .1 Add Swing Space requirements to the Demolition Legend, as bubbled.
- .2 Add Swing Space requirements consisting of sixteen (16) Normal Circuits, sixteen (16) UPS Circuits, and ninety-eight (98) Data to the north-east side of the floor, as bubbled.
- .3 Add Swing Space requirements consisting of two (2) Normal Circuits, two (2) UPS Circuits, and twelve (12) Data to PROJECT 3076, as bubbled.
- .4 Add Keynote 2 to KEY NOTES, as bubbled.
- .5 Add Keynote 2 to INVESTIGATIVE SUPPORT 3-28, as bubbled.
- .6 Add Keynote 2, one (1) Ceiling Furniture Feed, and two (2) UPS Circuits to PROJECT ROOM 3-23, as bubbled.
- .7 Add Keynote 2, one (1) Ceiling Furniture Feed, and one (1) UPS Circuit to BREAKOUT ROOM 3-24, as bubbled.
- .8 Add Keynote 2 to PROJECT ROOM 3-19, as bubbled.
- .9 Add Keynote 2 to PROJECT ROOM 3-20, as bubbled.
- .10 Add Keynote 2, one (1) Ceiling Furniture Feed, and two (2) UPS Circuits to PROJECT ROOM 3-21, as bubbled.
- .11 Add Keynote 2 to LARGE BOARD ROOM 3-18, as bubbled.
- .12 Add Keynote 2, one (1) wall mounted receptacle on circuit PT1-42, one (1) wall mounted UPS receptacle on circuit UPS-T5-17, and two (2) wall mounted data outlets at ISS 3-15, as bubbled.
- .13 Add Keynote 2, one (1) Ceiling Furniture Feed, and one (1) UPS Circuit to BREAKOUT ROOM 3-16, as bubbled.
- .14 Add Keynote 2, one (1) Ceiling Furniture Feed, and one (1) UPS Circuit to MEDIUM BOARD ROOM 3-05, as bubbled.

----- END OF ELECTRICAL AND TECHNOLOGY ADDENDUM No. 01 -----



|                                                                                     |                                                                                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|    | CKT BREAKER, '###' INDICATES TRIP SETTING, 'I' INDICATES NUMBER OF POLES          |
|    | DRAW-OUT CKT BREAKER, '###' INDICATES TRIP SETTING, 'I' INDICATES NUMBER OF POLES |
|    | FUSED SWITCH, '###' INDICATES TRIP SETTING, 'I' INDICATES NUMBER OF POLES         |
|    | ENCLOSED CIRCUIT BREAKER                                                          |
|    | ENCLOSED NON-FUSED SWITCH                                                         |
|    | ENCLOSED FUSED SWITCH                                                             |
|    | KIRK KEY INTERLOCK                                                                |
|    | AUTOMATIC TRANSFER                                                                |
|    | SOLID STATE, ELECTRONIC ADJUSTABLE TRIP                                           |
|    | GROUND FAULT PROTECTION                                                           |
|    | SURGE PROTECTIVE DEVICE                                                           |
|    | DIGITAL MULTIMETER                                                                |
|    | UTILITY METER                                                                     |
|    | AUTOMATIC/MANUAL TRANSFER SWITCH                                                  |
|    | AUTOMATIC TRANSFER SWITCH WITH BYPASS ISOLATION                                   |
|    | TRANSFORMER                                                                       |
|   | GENERATOR                                                                         |
|  | PANELBOARD                                                                        |
|  | PAD MOUNTED TRANSFORMER                                                           |
|  | GROUND                                                                            |
|  | POTENTIAL TRANSFORMER                                                             |
|  | CURRENT TRANSFORMER                                                               |

|                                                                                       |                                                                                                                              |                                                                                     |                                                                                   |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|      | DUPLEX RECEPTACLE, WALL MOUNTED                                                                                              |    | DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED                                            |
|      | DUPLEX RECEPTACLE, ABOVE BACKSPASH OF CABINET, COUNTERTOP OR SINK                                                            |    | DOUBLE DUPLEX RECEPTACLE, ABOVE BACKSPASH OF CABINET, COUNTERTOP OR SINK          |
|    | DUPLEX RECEPTACLE, FLUSH MTD IN CEILING                                                                                      |  | DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING                                |
|    | HALF SWITCHED DUPLEX RECEPTACLE, WALL MOUNTED                                                                                |  | DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED                                            |
|    | SPECIAL PURPOSE RECEPTACLE, WALL MOUNTED. NEMA CONFIGURATION AS NOTED ON PLANS                                               |  | SPECIAL PURPOSE RECEPTACLE, CEILING MOUNTED. NEMA CONFIGURATION AS NOTED ON PLANS |
|    | SHADING REPRESENTS RECEPTACLE ON LIFE SAFETY BRANCH                                                                          |  | SHADING REPRESENTS RECEPTACLE ON UPS BRANCH                                       |
|    | SHADING REPRESENTS RECEPTACLE ON NON-LIFE SAFETY BRANCH                                                                      |  | SHADING REPRESENTS RECEPTACLE WITH ISOLATED GROUND                                |
|    | DISCONNECT SWITCH. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR DISCONNECT TYPE, UON                                           |                                                                                     |                                                                                   |
|    | COMBINATION MOTOR STARTER DISCONNECT                                                                                         |                                                                                     |                                                                                   |
|    | MOTOR STARTER                                                                                                                |                                                                                     |                                                                                   |
|    | VARIABLE FREQUENCY DRIVE                                                                                                     |                                                                                     |                                                                                   |
|    | DIRECT CONNECTION, WALL MOUNTED. SUBSCRIPT "X" INDICATES UNIQUE IDENTIFIER, REFER TO EQUIPMENT CONNECTION SCHEDULE.          |                                                                                     |                                                                                   |
|    | DIRECT CONNECTION, CEILING MOUNTED. SUBSCRIPT "X" INDICATES UNIQUE IDENTIFIER, REFER TO EQUIPMENT CONNECTION SCHEDULE.       |                                                                                     |                                                                                   |
|    | MOTOR. SUBSCRIPT "X" DENOTES MOTOR DESIGNATION, REFER TO EQUIPMENT CONNECTION SCHEDULE                                       |                                                                                     |                                                                                   |
|    | GROUND BUS BAR                                                                                                               |                                                                                     |                                                                                   |
|    | FURNITURE FEED : 2 x POWER AND DATA (F - FLOOR, P - PAC POLE, W - WM, WM - WIREMOLD, CL-CEILING)                             |                                                                                     |                                                                                   |
|    | PANELBOARD                                                                                                                   |                                                                                     |                                                                                   |
|    | TRANSFORMER                                                                                                                  |                                                                                     |                                                                                   |
|  x | FLOOR BOX, DUPLEX RECEPTACLE                                                                                                 |  | SPECIAL FLOORBOX. "X" INDICATES UNIQUE FLOOR BOX TYPE                             |
|  x | FLOOR BOX, DOUBLE DUPLEX RECEPT                                                                                              |                                                                                     |                                                                                   |
|    | <div> <div> x </div> <div> RECEPTACLE TYPE </div> </div> <div> 12 </div> <div> NUMBER INDICATES BRANCH CIRCUIT NUMBER </div> |                                                                                     |                                                                                   |

| SYMBOL ON PLAN                                                                      | FLOOR BOX TYPE AND SIZE | ELECTRICAL       | DATA           |
|-------------------------------------------------------------------------------------|-------------------------|------------------|----------------|
|  | 6" POKE THRU            | THREE (3) DUPLEX | TWO (2) DROPS  |
|  | 6" POKE THRU            | TWO (2) DUPLEX   | TWO (2) DROPS  |
|  | 6" POKE THRU            | TWO (2) DUPLEX   | FOUR (4) DROPS |
|  | 6" POKE THRU            | ONE (1) DUPLEX   | FIVE (5) DROPS |

NOTE: ACCEPTABLE MANUFACTURERS ARE HUBBLE OR APPROVED EQUAL 

BLDG-E1MDPH4,10

CIRCUIT NUMBER

PANEL DESIGNATION

3#12, #12G, 21mmC

CONDUIT SIZE

GROUND CONDUCTOR QUANTITY AND SIZE

CIRCUIT CONDUCTOR QUANTITY AND SIZE

| <div>  <div> <div>UPPER CASE LETTERS INDICATE LIGHTING FIXTURE TYPE</div> <div>NUMBER INDICATES CIRCUIT NUMBER, LOWER CASE LETTER INDICATES SWITCH/LEG</div> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                                                                                            | LIGHTING FIXTURE ON NORMAL BRANCH POWER - CEILING MOUNTED                                                                                                                                                                                                                                                                                                                                                                             |  | LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT - CEILING MOUNTED                             |
|                                                                                                                                                                            | LIGHTING FIXTURE ON NORMAL BRANCH POWER - WALL MOUNTED                                                                                                                                                                                                                                                                                                                                                                                |  | LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT - WALL MOUNTED                                |
|                                                                                                                                                                            | STRIP LIGHTING FIXTURE ON NORMAL BRANCH POWER                                                                                                                                                                                                                                                                                                                                                                                         |  | STRIP LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT                                         |
|                                                                                                                                                                            | PENDANT LINEAR FIXTURE ON NORMAL BRANCH POWER                                                                                                                                                                                                                                                                                                                                                                                         |  | PENDANT LINEAR FIXTURE ON NIGHT LIGHT CIRCUIT                                         |
|                                                                                                                                                                            | DOWNLIGHT LIGHTING FIXTURE ON NORMAL BRANCH POWER - RECESSED MOUNTED                                                                                                                                                                                                                                                                                                                                                                  |  | DOWNLIGHT LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT - RECESSED MOUNTED                  |
|                                                                                                                                                                            | PENDANT LIGHTING FIXTURE ON NORMAL BRANCH POWER                                                                                                                                                                                                                                                                                                                                                                                       |  | PENDANT LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT                                       |
|                                                                                                                                                                            | WALL WASH LIGHTING FIXTURE ON NORMAL BRANCH POWER - ARROW INDICATES DIRECTION OF BEAM                                                                                                                                                                                                                                                                                                                                                 |  | WALL WASH LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT - ARROW INDICATES DIRECTION OF BEAM |
|                                                                                                                                                                            | WALL SCONCE LIGHTING FIXTURE ON NORMAL BRANCH POWER - WALL MOUNTED                                                                                                                                                                                                                                                                                                                                                                    |  | WALL SCONCE LIGHTING FIXTURE ON NIGHT LIGHT CIRCUIT - WALL MOUNTED                    |
|                                                                                                                                                                            | TRACK LIGHT HEAD ON NORMAL BRANCH POWER                                                                                                                                                                                                                                                                                                                                                                                               |  | TRACK LIGHT HEAD ON NIGHT LIGHT CIRCUIT                                               |
|                                                                                                                                                                            | BOLLARD LIGHT FIXTURE ON NORMAL BRANCH POWER                                                                                                                                                                                                                                                                                                                                                                                          |  | BOLLARD ON NIGHT LIGHT CIRCUIT                                                        |
|                                                                                                                                                                            | SITE LIGHTING SINGLE HEAD ON NORMAL BRANCH POWER - POLE MOUNTED                                                                                                                                                                                                                                                                                                                                                                       |  | SITE LIGHTING SINGLE HEAD ON NIGHT LIGHT CIRCUIT - POLE MOUNTED                       |
|                                                                                                                                                                            | SITE LIGHTING DUAL HEAD ON NORMAL BRANCH POWER - POLE MOUNTED                                                                                                                                                                                                                                                                                                                                                                         |  | SITE LIGHTING DUAL HEAD ON NIGHT LIGHT CIRCUIT - POLE MOUNTED                         |
|                                                                                                                                                                            | EXIT SIGN - SINGLE FACE - CEILING MOUNTED                                                                                                                                                                                                                                                                                                                                                                                             |  | EXIT SIGN - DUAL FACE - CEILING MOUNTED                                               |
|                                                                                                                                                                            | EXIT SIGN - SINGLE FACE - WALL MOUNTED                                                                                                                                                                                                                                                                                                                                                                                                |  | EXIT SIGN - DUAL FACE - WALL MOUNTED                                                  |
|                                                                                                                                                                            | LOW LEVEL EXIT SIGN - SINGLE FACE - WALL OR DOOR MOUNTED                                                                                                                                                                                                                                                                                                                                                                              |  | SINGLE REMOTE EMERGENCY LIGHT - WALL MOUNTED                                          |
|                                                                                                                                                                            | DUAL HEAD EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK - WALL MOUNTED                                                                                                                                                                                                                                                                                                                                                                   |  | DUAL REMOTE EMERGENCY LIGHT - WALL MOUNTED                                            |
|                                                                                                                                                                            | SPST SWITCH, WALL MOUNTED. 'ab' INDICATES INDIVIDUAL GANGED SWITCHES AND ASSOCIATED SWITCH LESS CONTROLLED. SUBSCRIPT 'X' INDICATES: <div> <div> <div>2 - DOUBLE POLE</div> <div>3 - THREE WAY</div> <div>4 - FOUR WAY</div> <div>D - WALL BOX DIMMER</div> </div> <div> <div>K - KEY OPERATED</div> <div>LV - LOW VOLTAGE</div> <div>P - PILOT LIGHT</div> <div>T - WALL BOX TIMER</div> <div>WP - WEATHER PROOF</div> </div> </div> |                                                                                     |                                                                                       |
|                                                                                                                                                                            | OCCUPANCY SENSOR, CEILING MOUNTED                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |                                                                                       |
|                                                                                                                                                                           | OCCUPANCY SENSOR, WALL MOUNTED                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                                                                       |
|                                                                                                                                                                          | VACANCY SENSOR, CEILING MOUNTED                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                                                       |
|                                                                                                                                                                          | VACANCY SENSOR, WALL MOUNTED                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                                                                       |
|                                                                                                                                                                          | DIMMING CONTROL PANEL, SUBSCRIPT 'X' INDICATES TYPE                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |                                                                                       |
|                                                                                                                                                                          | DIMMING CONTROL STATION, SUBSCRIPT 'X' INDICATES TYPE OR UNIQUE IDENTIFIER                                                                                                                                                                                                                                                                                                                                                            |                                                                                     |                                                                                       |
|                                                                                                                                                                          | LIGHTING CONTROL PANEL                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                       |
|                                                                                                                                                                          | SHUNT TRIP PUSH BUTTON                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                                                       |
|                                                                                                                                                                          | TIME CLOCK, SUBSCRIPT 'X' INDICATES UNIQUE IDENTIFIER                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                                                       |
|                                                                                                                                                                          | DAYLIGHT SENSOR, CEILING MOUNTED                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                                                       |
|                                                                                                                                                                          | PHOTOCELL                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |                                                                                       |

|                                                                                     |                                         |                                                                                       |                                                      |
|-------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------|
|  | FIRE ALARM STROBE, WALL MOUNTED         |  | FIRE ALARM STROBE, CEILING MOUNTED                   |
|  | FIRE ALARM HORN, WALL MOUNTED           |  | FIRE ALARM HORN, CEILING MOUNTED                     |
|  | FIRE ALARM HORN/STROBE, WALL MOUNTED    |  | FIRE ALARM HORN/STROBE, CEILING MOUNTED              |
|  | FIRE ALARM SPEAKER, WALL MOUNTED        |  | FIRE ALARM SPEAKER, CEILING MOUNTED                  |
|  | FIRE ALARM SPEAKER/STROBE, WALL MOUNTED |  | FIRE ALARM SPEAKER/STROBE, CEILING MOUNTED           |
|  | FIRE ALARM BELL, WALL MOUNTED           |  | FIRE ALARM PULL STATION                              |
|  | HEAT DETECTOR, WALL MOUNTED             |  | HEAT DETECTOR, CEILING MOUNTED                       |
|  | SMOKE DETECTOR, WALL MOUNTED            |  | SMOKE DETECTOR, CEILING MOUNTED                      |
|  | SMOKE DETECTOR, DUCT MOUNTED            |  | FIRE/SMOKE DAMPER                                    |
|  | CARBON MONOXIDE DETECTOR                |  | SMOKE DAMPER                                         |
|  | FIREFIGHTERS TELEPHONE OUTLET           |  | SMOKE ALARM                                          |
|  | REMOTE INDICATOR LIGHT                  |  | COMBINATION SMOKE ALARM AND CARBON MONOXIDE DETECTOR |
|  | FIRE ALARM CONTROL PANEL                |  | TAMPER SWITCH                                        |
|  | FIRE ALARM REMOTE ANNUNCIATOR PANEL     |  | REMOTE TEST STATION                                  |
|  | DATA GATHERING PANEL                    |  | FLOW SWITCH                                          |
|  | FIRE ALARM TERMINAL CABINET             |  | SUPERVISORY VALVE                                    |
|  | FIRE ALARM TRANSPONDER PANEL            |  | ELECTRO-MAGNETIC DOOR HOLDER                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><br>                                                                                                                                                                                                                                                                                                          | <b>ANALOG MASTER CLOCK</b><br><b>DIGITAL MASTER CLOCK</b><br><b>ELAPSED DIGITAL TIMER CLOCK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                             |
| <h2>TELECOMMUNICATIONS SYSTEM</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                             |
| <br><br>                                                                                                                                                                                                                                                                                                          | <b>WALL MOUNT DATA OUTLET</b><br><br><b>WALL MOUNT VOICE OUTLET</b><br><br><b>WALL MOUNT DATA/VOICE OUTLET</b><br><br><b>CEILING MOUNT VOICE OUTLET</b><br><br> <b>CEILING MOUNT DATA OUTLET</b><br><br> <b>CEILING MOUNT DATA/VOICE OUTLET</b><br><br> <b>CEILING MOUNT DATA FOR WIRELESS ACCESS POINT</b> | <br><br><br><br><br> | <b>WALL MOUNT DATA OUTLET ABOVE COUNTER</b><br><b>WALL MOUNT VOICE OUTLET ABOVE COUNTER</b><br><b>WALL MOUNT DATA/VOICE OUTLET ABOVE COUNTER</b><br><b>FLOOR MOUNT DATA OUTLET</b><br><b>FLOOR MOUNT VOICE OUTLET</b><br><b>FLOOR MOUNT DATA/VOICE OUTLET</b><br><b>CONSOLIDATION POINT</b> |
| <b>DEVICE LEGEND</b><br> X ————— NUMBER OF DATA JACKS  XY ————— NUMBER OF DATA/VOICE JACKS<br> Y ————— NUMBER OF VOICE JACKS<br><br>NO SUBSCRIPT = (1) DATA/VOICE<br>WIRELESS ACCESS POINT = (2) DATA<br><br><b>MOUNTING:</b><br>OUTLET MOUNTING HEIGHTS TO BE COORDINATED WITH INTERIOR DESIGNER DURING DD PHASE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                             |

| DEVICE LEGEND                                                                             |                                  | DEVICE TAG ———→ AAA <sup>M</sup> ———→ MOUNTING TAG<br>↑         ↓<br>SECONDARY ATTRIBUTE |                              |
|-------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------|------------------------------|
| ALL SECURITY SYSTEM DEVICES ARE MAINLY MOUNTED UNLESS OTHERWISE INDICATED BY MOUNTING TAG |                                  |                                                                                          |                              |
| [ACP]                                                                                     | ACCESS CONTROL PANEL             | [ADD]                                                                                    | AUTO DOOR OPERATOR           |
| [ALM]                                                                                     | ALARM DEVICE                     | [CR]                                                                                     | CARD READER                  |
| [DC]                                                                                      | DOOR CONTACT                     | [DOR]                                                                                    | DOOR CONTROLLER              |
| [DU]                                                                                      | DURESS BUTTON                    | [EL]                                                                                     | ELECTRIFIED LOCKSET          |
| [EP]                                                                                      | ELECTRIFIED PANIC HARDWARE       | [ES]                                                                                     | ELECTRIC STRIKE              |
| [GB]                                                                                      | GLASS BREAK DETECTOR             | [IC]                                                                                     | INTERCOM                     |
| [ID]                                                                                      | INTRUSION DETECTION DEVICE       | [KP]                                                                                     | KEYPAD                       |
| [KEY]                                                                                     | KEY SWITCH                       | [ML]                                                                                     | MAGNETIC LOCK                |
| [MS]                                                                                      | MOTION SENSOR                    | [PB]                                                                                     | PUSH BUTTON                  |
| [PNL]                                                                                     | PANEL / CONTROLLER               | [PP]                                                                                     | PUSH PLATE                   |
| [LFE]                                                                                     | LOW FREQUENCY EXCITER            | [PX]                                                                                     | POWER TRANSFER               |
|        | INFRARED READER                  | [REX]                                                                                    | REQUEST TO EXIT DEVICE       |
| [ROU]                                                                                     | REMOTE DISPLAY UNIT              | [SEN]                                                                                    | ALARM SENSOR                 |
| [LAR]                                                                                     | LOCAL AREA RECEIVER              | [SPS]                                                                                    | SECURITY SYSTEM POWER SUPPLY |
|      | DIRECTIONAL PASSIVE TAG DETECTOR | [SVR]                                                                                    | SERVER                       |
| [IRC]                                                                                     | INFRARED CURTAIN                 | [WKS]                                                                                    | SECURITY WORKSTATION         |
| [RFI]                                                                                     | RF READER                        | H-□-J                                                                                    | CCTV CAMERA, WALL-MOUNTED    |
| [RFM]                                                                                     | RF READER MASTER                 | □-J                                                                                      | CCTV CAMERA, CEILING-MOUNTED |
| [REFLR]                                                                                   | RF LONG RANGE READER             |                                                                                          |                              |
| [REFER]                                                                                   | RF ETHERNET READER               |                                                                                          |                              |

| DEVICE LEGEND                                                                     |                                                                         | <div> <div> <div>DEVICE TAG</div> <div>→</div> <div>AAA</div> <div>↓</div> <div> <div>M</div> <div>←</div> <div>MOUNTING TAG</div> </div> </div> <div> <div>←</div> <div>SECONDARY ATTRIBUTE</div> </div> </div> |                                               |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| ALL AV SYSTEM DEVICES ARE WALL MOUNTED UNLESS OTHERWISE INDICATED BY MOUNTING TAG |                                                                         |                                                                                                                                                                                                                  |                                               |
| AV1                                                                               | AV CONNECTIVITY C/W 1-GANG MUD RING C/W 21 MMC STUB UP TO CEILING SPACE |                                                                                                                                                                                                                  |                                               |
| D                                                                                 | DISPLAY                                                                 |                                                                                                                                                                                                                  |                                               |
| TV                                                                                | DISPLAY INFRASTRUCTURE C/W 1-GANG MUD RING BEHIND DISPLAY               |                                                                                                                                                                                                                  |                                               |
| PRS                                                                               | PROJECTOR SCREEN                                                        |                                                                                                                                                                                                                  |                                               |
| PRJ                                                                               | PROJECTOR                                                               |                                                                                                                                                                                                                  |                                               |
| CAM                                                                               | AV SYSTEM CAMERA                                                        |                                                                                                                                                                                                                  |                                               |
| IRR                                                                               | INFRARED RADIATOR                                                       |                                                                                                                                                                                                                  |                                               |
| ANT                                                                               | ANTENNA                                                                 |                                                                                                                                                                                                                  |                                               |
| ROS                                                                               | AV SYSTEM ROOM OCCUPANCY SENSOR                                         |                                                                                                                                                                                                                  |                                               |
| PS                                                                                | AV SYSTEM PARTITION SENSOR                                              |                                                                                                                                                                                                                  |                                               |
| LS                                                                                | PHOTOMETRIC SENSOR                                                      |                                                                                                                                                                                                                  |                                               |
| BN                                                                                | BACKUP INTERFACE TO AV SYSTEM                                           |                                                                                                                                                                                                                  |                                               |
| LI                                                                                | LIGHTING INTERFACE TO AV SYSTEM                                         |                                                                                                                                                                                                                  |                                               |
| SI                                                                                | SHADE/DRAPE INTERFACE TO AV SYSTEM                                      |                                                                                                                                                                                                                  |                                               |
| MIC                                                                               | MICROPHONE                                                              |                                                                                                                                                                                                                  |                                               |
| TS                                                                                | TOUCH SCREEN                                                            |                                                                                                                                                                                                                  |                                               |
| RSP                                                                               | ROOM SCHEDULING PANEL                                                   |                                                                                                                                                                                                                  |                                               |
| RSS                                                                               | ROOM SCHEDULING SIGN                                                    |                                                                                                                                                                                                                  |                                               |
| BP                                                                                | BUTTON PANEL                                                            |                                                                                                                                                                                                                  |                                               |
| S                                                                                 | AV SYSTEM SPEAKER                                                       |                                                                                                                                                                                                                  |                                               |
| SUB                                                                               | SUBWOOFER SPEAKER                                                       |                                                                                                                                                                                                                  |                                               |
| LCR                                                                               | LOCAL CREDENZA RACK                                                     |                                                                                                                                                                                                                  |                                               |
| AVR                                                                               | AV RACK                                                                 |                                                                                                                                                                                                                  |                                               |
| FBX                                                                               | FLOOR BOX                                                               |                                                                                                                                                                                                                  | *Y* DENOTES TYPE. REFER TO AV SYSTEMS DETAILS |
| PTX                                                                               | POKE THROUGH                                                            |                                                                                                                                                                                                                  | *Y* DENOTES TYPE. REFER TO AV SYSTEMS DETAILS |
| TBX                                                                               | TABLE BOX                                                               |                                                                                                                                                                                                                  | *Y* DENOTES TYPE. REFER TO AV SYSTEMS DETAILS |

|            |                                                      |
|------------|------------------------------------------------------|
| <b>JB</b>  | JUNCTION BOX, WALL MOUNTED                           |
| <b>JB</b>  | JUNCTION BOX, CEILING MOUNTED                        |
| <b>C</b> X | CONTACTOR, SUBSCRIPT 'X' INDICATES UNIQUE IDENTIFIER |
| <b>R</b>   | CONTROL RELAY & REQUIRED INPUT/OUTPUT MODULE         |

|        |                              |
|--------|------------------------------|
| < R >  | EXISTING TO BE REMOVED       |
| < RL > | EXISTING TO BE RELOCATED     |
| < EX > | EXISTING TO REMAIN           |
| < NL > | EXISTING - NEW LOCATION      |
| -----  | DEMOLITION CONDUIT           |
| □□□□   | DEMOLITION EQUIPMENT         |
| -----  | EXISTING TO REMAIN CONDUIT   |
| □      | EXISTING TO REMAIN EQUIPMENT |
| -----  | RELOCATED / NEW CONDUIT      |
| □      | RELOCATED / NEW EQUIPMENT    |

|                                                                                       |                     |
|---------------------------------------------------------------------------------------|---------------------|
|  | SECTION CALLOUT     |
|  | SECTION DESIGNATION |
|  | SHEET NUMBER        |
|  | DETAIL CALLOUT      |
|  | DETAIL DESIGNATION  |
|  | SHEET NUMBER        |
|  | REVISION CALLOUT    |
|  | KEYNOTE CALLOUT     |

|      |                                  |     |                  |
|------|----------------------------------|-----|------------------|
| AFCI | ANALOG                           | MD  | MOTORIZED DAMPER |
| AFB  | ARC FAULT CIRCUIT INTERRUPTOR    | MH  | MOUNTING HEIGHT  |
| AFS  | ABOVE FINISHED FLOOR             | MS  | MASTER STATION   |
| ATT  | AUTOMATIC TRANSFER SWITCH        | MJ  | MILLION MOUNTED  |
| BK   | BEAM MOUNTED                     | NC  | NORMALLY CLOSED  |
| CM   | CLOCK HANGER                     | NO  | NORMALLY OPEN    |
| CL   | CEILING MOUNTED                  | OC  | OVER THE COUNTER |
| EMT  | ELECTRICAL METALLIC TUBING       | PL  | POLE MOUNTED     |
| EXP  | EXPLOSION PROOF                  | PTZ | PAN, TILT, ZOOM  |
| F    | FURNITURE OR MILLWORK MOUNTED    | RO  | ROUGH-IN ONLY    |
| FL   | FLOOR MOUNTED                    | ST  | SHUNT TRIP       |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | TS  | TAMPER PROOF     |
| GFI  | GROUND FAULT INTERRUPTER         | VS  | VIDEO STATION    |
| MCB  | MAIN CIRCUIT BREAKER             | WP  | WEATHER PROOF    |
| MCC  | MOTOR CONTROL CENTER             |     |                  |

|      |                                                           |
|------|-----------------------------------------------------------|
| E501 | GENERAL SYMBOLS, LEGENDS AND DRAWING LIST                 |
| E101 | PARTIAL BASEMENT FLOOR - POWER AND SYSTEMS - DEMO AND NEW |
| E102 | PARTIAL GROUND FLOOR - POWER AND SYSTEMS - DEMO AND NEW   |
| E103 | PARTIAL SECOND FLOOR - POWER AND SYSTEMS - DEMO AND NEW   |
| E104 | PARTIAL THIRD FLOOR - POWER AND SYSTEMS - DEMO AND NEW    |
| E201 | PARTIAL BASEMENT FLOOR - LIGHTING - DEMO AND NEW          |
| E202 | PARTIAL FIRST FLOOR - LIGHTING - DEMO AND NEW             |
| E203 | PARTIAL SECOND FLOOR - LIGHTING - DEMO AND NEW            |
| E204 | PARTIAL THIRD FLOOR - LIGHTING - DEMO AND NEW             |
| E301 | ELECTRICAL DETAILS                                        |
| E311 | TECHNOLOGY DETAILS                                        |
| E312 | TECHNOLOGY DETAILS                                        |
| E401 | PANEL SCHEDULES                                           |
| E402 | PANEL SCHEDULES                                           |

1. ELECTRICAL CONNECTIONS ARE BASED ON AVAILABLE INFORMATION AND, SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, DOOR HARDWARE CONSULTANT DOCUMENTS.
2. THE ELECTRICAL DRAWINGS ARE DIAGNAMATIC AND SHOW GENERAL ARRANGEMENTS OF ELECTRICAL AND SYSTEMS DEVICES. THE FINAL LOCATION AND ELEVATION OF ALL ELECTRICAL AND SYSTEMS DEVICES SHALL BE COORDINATED WITH ARCHITECTURAL AND INTERIOR DESIGNER'S PACKAGES. REPORT ANY DISCREPANCIES TO CONSULTANT PRIOR TO ROUGH-IN FOR DIMENSIONS, REFER TO ARCHITECTURAL/INTERIOR DESIGN PACKAGES.
3. ALL EQUIPMENT LOCATIONS SHOWN ARE FOR REFERENCE ONLY BASED ON INTENDED EQUIPMENT AT TIME OF DESIGN. THE CONTRACTOR MUST PREPARE THE WORKING DRAWINGS BASED ON ACTUAL EQUIPMENT SELECTION (SHOP DRAWINGS) FOR THE EQUIPMENT ROOM LAYOUT PRIOR TO ROUGH-IN AND CONSTRUCTION.
4. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE AND INSTALL TEMPORARY POWER FOR PROJECT CONSTRUCTION AS REQUIRED.
5. PROVIDE ELECTRICAL COORDINATION WITH SHOP DRAWING SELECTION AND LOCATION. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR DETAILS. VERIFY THE FINAL LOCATION OF MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
6. CONTRACTOR SHALL IDENTIFY AND LABEL CLEARLY ALL CIRCUITS, WIRING, SERVICES, LUNCTION BOXES, PULL BOXES, AND EQUIPMENT INSTALLED AND CONNECTED UNDER THE SCOPE OF WORK OF THIS PROJECT. IDENTIFICATION SHALL BE AS PER SPECIFICATION AND ALL APPLICABLE INDUSTRY STANDARDS UNLESS SPECIAL OWNERS REQUIREMENTS. ALL MARKINGS SHALL BE OF NON-ERASABLE LAMACOD TYPE.
7. ALL OPENINGS, IF APPLICABLE, SHALL BE SEALED WITH APPROVED FIRE STOP MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUTABLE AND APPROVED FIREPROOFING MATERIAL AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS TO APPLICABLE BUILDING AND FIRE CODES.
8. CONTRACTOR SHALL INCLUDE FOR PAYMENT OF REQUIREMENT PERMITS, FEES, LICENSES, CERTIFICATES OF INSPECTION, ETC. IF REQUIRED.
9. CABLE AND CONDUIT SIZES INDICATED ON DRAWINGS ARE MINIMUM SIZES AND SHALL BE INCREASED BASED ON ACTUAL ROUTING AND VOLTAGE DROP.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR ALL SHOP DRAWINGS PRIOR TO PROCUREMENT AND INSTALLATION OF RELATED ELECTRICAL CONNECTIONS. ANY ALTERATIONS DUE TO MECHANICAL COORDINATION SHALL BE RECORDED IN ELECTRICAL AS-BUILTS.
11. WORK NOT IN SCOPE AREAS ARE TO REMAIN ACTIVE AND OPERATIONAL DURING THE ENTIRE DURATION OF WORK, WIRING, CONDUIT, AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE SHALL BE TEMPORARILY SUPPORTED, RE-ROUTED, OR DIVERTED, OR RELOCATED AS REQUIRED. ANY LOSS OF SERVICES TO SPACES OUTSIDE OF THE SCOPE OF WORK SHALL BE COORDINATED WITH FACILITY MANAGEMENT.
12. CONTRACTOR SHALL CONDUCT A SITE REVIEW PRIOR TO PROING TO BECOME FAMILIAR WITH THE SITE CONDITIONS, VERIFY ALL LOCATIONS, SIZES, AND CONNECTIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONSULTANT WITH PROPOSED RESOLUTION AND OBTAIN CONSULTANT'S APPROVAL.
13. MAINTAIN EXISTING FIRE ALARM, EXIT SIGNS AND EMERGENCY LIGHTS IN FULL OPERATION DURING THE ENTIRE CONSTRUCTION STAGE, WHERE DISRUPTION TO LIFE SAFETY SYSTEMS IS REQUIRED, REPORT TO THE OWNER. DISRUPTION MUST BE MONITORED AND REPORTED IMMEDIATELY TO THE OWNER AND ENSURE THAT ALL SYSTEMS ARE REACTIVATED PRIOR TO LEAVING THE SITE AT THE END OF EACH WORKING DAY.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REFINISHING OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT. SHOULD ANY EXISTING SYSTEM BE DAMAGED, MAKE FULL REPAIR/REPLACES WITHOUT EXTRA COST, AND TO THE SATISFACTION OF THE OWNER.
15. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE OWNER FOR ANY SHUTDOWN REQUIRED 3 DAYS PRIOR. SHUTDOWN SHALL BE PERFORMED DURING AFTER HOURS OR ON WEEKENDS AT THE CONTRACTOR'S EXPENSE.
16. CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL EXISTING ITEMS WHICH WILL BE RELOCATED/USED IN THIS PROJECT.
17. HORIZONTAL COMMUNICATIONS CABLES SHALL NOT EXCEED 90 METERS IN LENGTH FROM NETWORK SWITCH TO TERMINATION POINT. WHERE CABLES DISTANCES EXCEED 90 METERS, CONTRACTOR SHALL REPORT THE CONDITIONS TO THE CONSULTANT AND OWNER FOR FURTHER DIRECTION.
18. IN CEILING CONSOLIDATION POINTS IDENTIFIED ON DRAWINGS ARE PROPOSED APPROXIMATE LOCATIONS ONLY. FIELD VERIFICATION OF EXISTING CABLES AND EQUIPMENT LOCATIONS WITH CEILING CONDITIONS, INCLUDING BUT NOT LIMITED TO CEILING GRID, LIGHT FIXTURES, EXISTING EQUIPMENT, ETC. WILL BE MAINTAINED WITHIN A 2 METRE RADIUS FROM PROPOSED LOCATIONS. CONTRACTOR SHALL IDENTIFY FINAL AS-BUILT LOCATIONS.
19. ALL EXISTING CABLE CABLES IN GOOD CONDITION AND NOT DAMAGED SHALL BE RE-TERMINATED ON NEW JACKS IN PATCH PANELS INSIDE NEW CONSOLIDATION POINTS AS PROPOSED ON NEW LAYOUT. REFER TO SPECIFICATIONS FOR NEW WORK. NEW WORK SHALL BE FOR COMMUNICATIONS. WHERE PERMANENT LINK TESTING OF EXISTING CABLES YIELDED A FAILED TEST RESULT, CONTRACTOR SHALL REPORT THE CONDITIONS TO THE CONSULTANT AND OWNER FOR FURTHER DIRECTION.
20. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT INFRASTRUCTURE CIVIL PULL STRUNG FOR DIVISION 27 41 00 AUDIO-VISIO SYSTEMS SCOPE AND DIVISION 28 00 00 ELECTRONIC SAFETY AND SECURITY SCOPE.
21. ALL DIVISION 27 41 00 AUDIO-VISIO SYSTEMS SCOPE AND DIVISION 28 00 00 ELECTRONIC SAFETY AND SECURITY SCOPE, INCLUDING BUT NOT LIMITED TO DEVICES, CABLES, ETC. ARE NOT PART OF THIS CONTRACT AND SHALL BE CARRIED UNDER CASH ALLOWANCES.
22. ALL DISPLAY LOCATIONS SHALL HAVE PLYWOOD BACKBOARD FOR DISPLAY MOUNTING.
23. ALLOW FOR X-RAY, SCAN, AND CORING AS REQUIRED. CARRY ALL ASSOCIATED COSTS.

[illegible]

REGION OF PEEL  
EMIL V. KOLB CENTRE  
PEEL REGIONAL POLICE FACILITY  
INTERIOR RENOVATION PROJECT  
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5



The contractor shall check and verify all dimensions and report all errors and omissions to the architect and the design professional whose seal is affixed to this drawing. Do not scale the drawings.

This drawing shall not be used for construction purposes until issued for construction by the design professional whose seal is affixed to this drawing and whose signature is below.

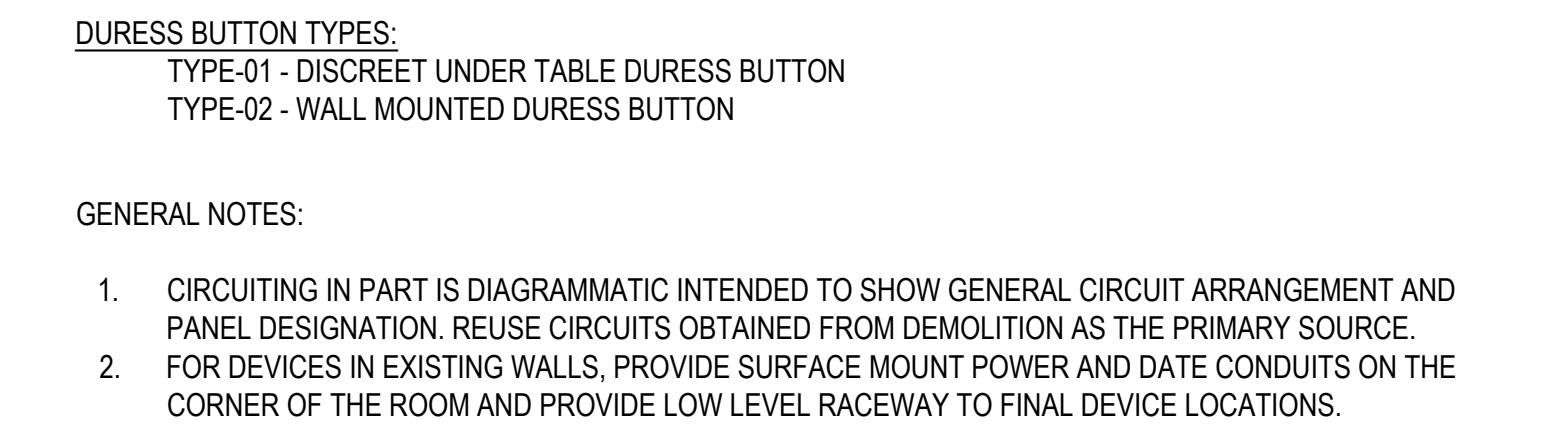
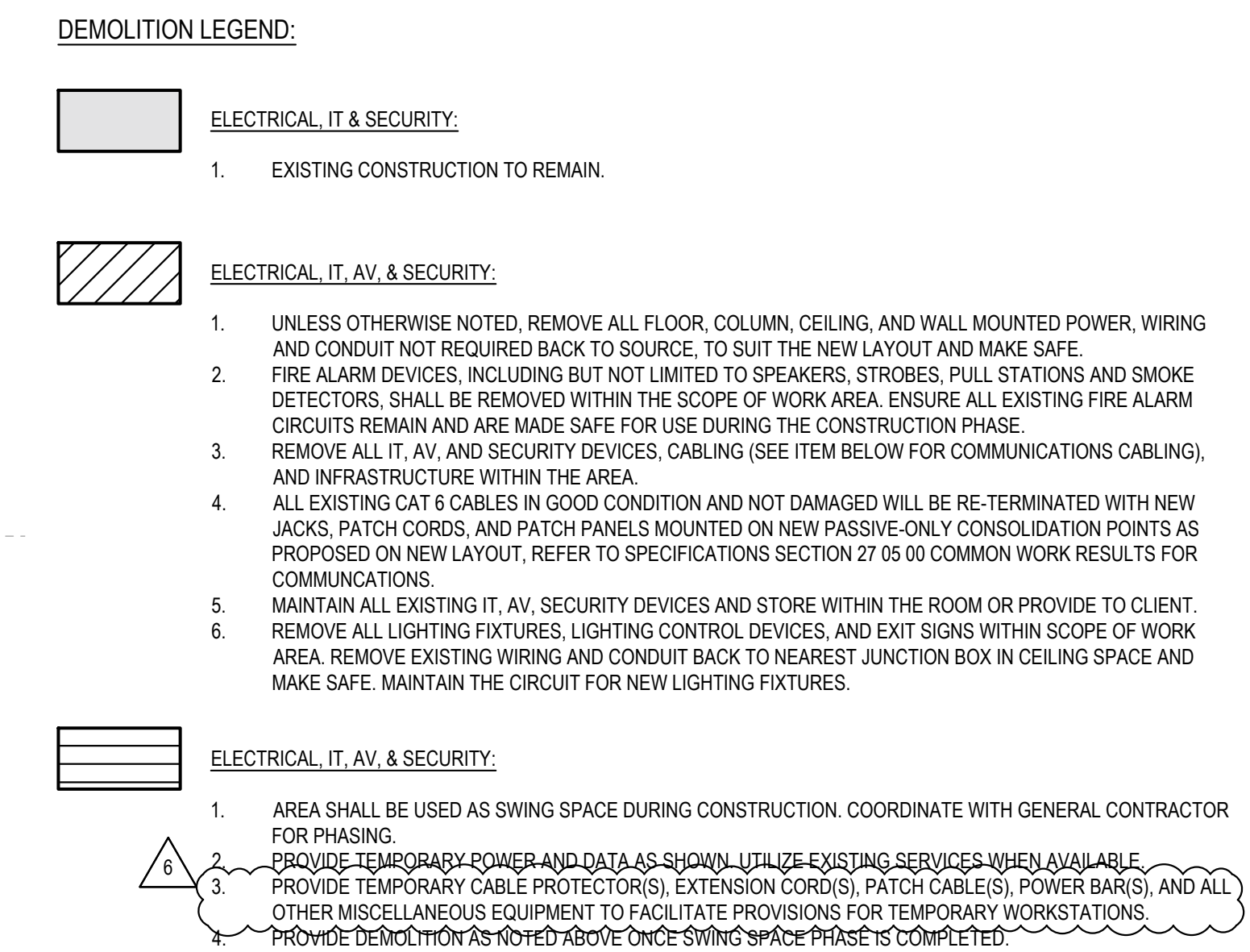
|       |                       |                        |
|-------|-----------------------|------------------------|
| NORTH | STRUCTURAL CONSULTANT | STEPHENSON ENGINEERING |
|       | MECHANICAL CONSULTANT | EXP SERVICES INC.      |
|       | ELECTRICAL CONSULTANT | EXP SERVICES INC.      |
|       |                       |                        |

SHEET TITLE  
ELECTRICAL SYMBOLS,  
LEGENDS & DRAWING LIST

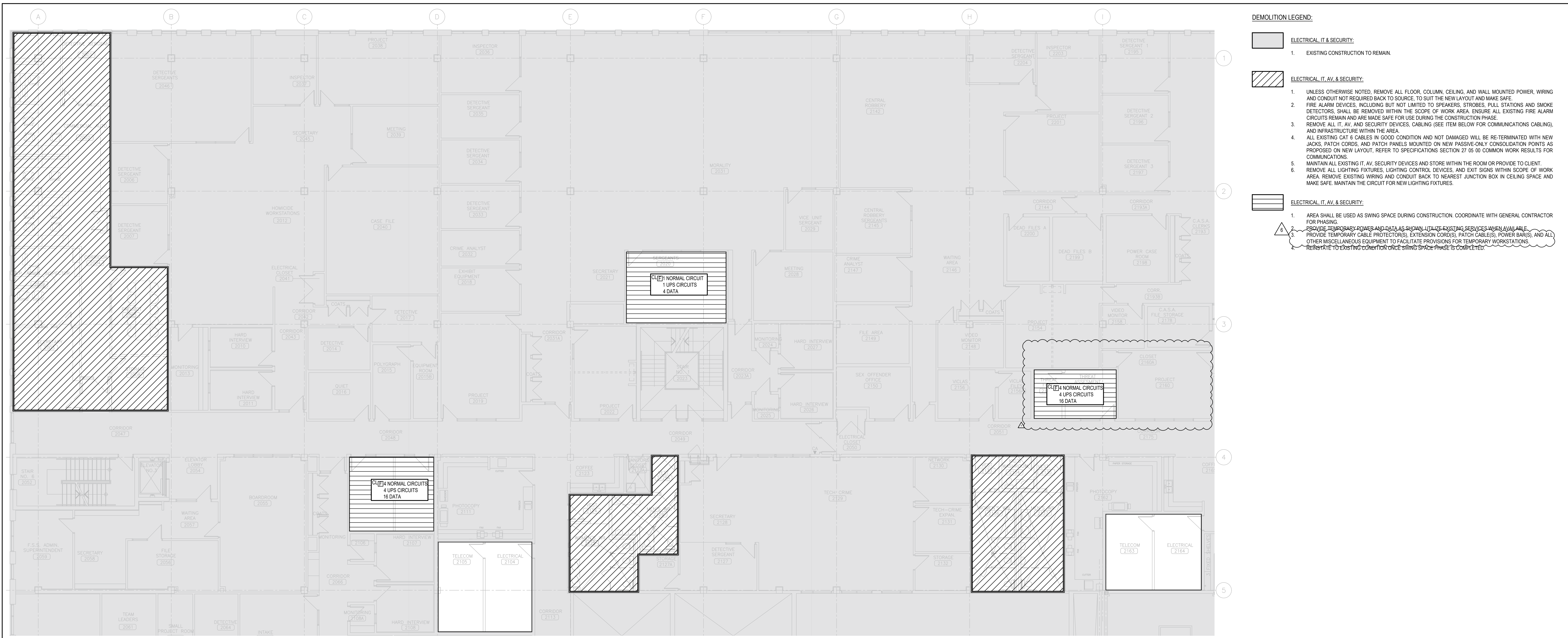
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|-----------------------|--------------------------------|---------------|
| SHEET NO.<br><br>E001 | DRAWN BY<br>SS/LL              | CHECKED<br>KE |
|                       | PROJECT NO.<br>MRK-25008951-A0 |               |
|                       | SCALE                          |               |

|                       |                                |               |
|-----------------------|--------------------------------|---------------|
| SHEET NO.<br><br>E001 | DRAWN BY<br>SS/LL              | CHECKED<br>KE |
|                       | PROJECT NO.<br>MRK-25008951-A0 |               |
|                       | SCALE                          |               |



[illegible]





1 PARTIAL SECOND FLOOR POWER AND SYSTEMS PLAN - DEMO  
SCALE



2 PARTIAL SECOND FLOOR POWER AND SYSTEMS PLAN - NEW  
SCALE

#### DEMOLITION LEGEND:

##### ELECTRICAL, IT, AV, & SECURITY:

- EXISTING CONSTRUCTION TO REMAIN

##### ELECTRICAL, IT, AV, & SECURITY:

- UNLESS OTHERWISE NOTED, REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, WIRING AND CONDUIT NOT REQUIRED BACK TO SOURCE, TO SUIT THE NEW LAYOUT AND MAKE SAFE.
- FIRE ALARM DEVICES, INCLUDING BUT NOT LIMITED TO SPEAKERS, STROBES, HALL STATIONS AND SMOKE DETECTORS, SHALL BE REMOVED WITHIN THE SCOPE OF WORK AREA. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
- REMOVE ALL IT, AV, AND SECURITY DEVICES, CABLING (SEE ITEM BELOW FOR COMMUNICATIONS CABLING), AND INFRASTRUCTURE WITHIN THE AREA.
- ALL EXISTING CAT 6 CABLES IN GOOD CONDITION AND NOT DAMAGED WILL BE RE-TERMINATED WITH NEW JACKS, PATCH CORDS, AND PATCH PANELS MOUNTED ON NEW PASSIVE-ONLY CONSOLIDATION POINTS AS PROPOSED ON NEW LAYOUT. REFER TO SPECIFICATIONS SECTION 27 05 00 COMMON WORK RESULTS FOR COMMUNICATIONS.
- MAINTAIN ALL EXISTING IT, AV, SECURITY DEVICES AND STORE WITHIN THE ROOM OR PROVIDE TO CLIENT.
- REMOVE ALL LIGHTING FIXTURES, LIGHTING CONTROL DEVICES, AND EXIT SIGNS WITHIN SCOPE OF WORK AREA. REMOVE EXISTING WIRING AND CONDUIT BACK TO NEAREST JUNCTION BOX IN CEILING SPACE AND MAKE SAFE. MAINTAIN THE CIRCUIT FOR NEW LIGHTING FIXTURES.

##### ELECTRICAL, IT, AV, & SECURITY:

- AREA SHALL BE USED AS SWING SPACE DURING CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR FOR PHASING.  
PROVIDE TEMPORARY POWER AND DATA AS SWING SPACE. UPDATE EXISTING SERVICES AND AVAILABLE PROVIDE TEMPORARY CABLE PROTECTORS, EXTENSION CORDS, PATCH CABLES, POWER BARS, AND ALL OTHER MISCELLANEOUS EQUIPMENT TO FACILITATE PROVISIONS FOR TEMPORARY WORKSTATIONS. REINSTATE TO EXISTING CONDITION ONCE SWING SPACE PHASE IS COMPLETED.

#### GENERAL NOTES:

- CIRCUITING IN PART IS DIAGRAMMATIC INTENDED TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION. REUSE CIRCUITS OBTAINED FROM DEMOLITION AS THE PRIMARY SOURCE.
- FOR DEVICES IN EXISTING WALLS, PROVIDE SURFACE MOUNT POWER AND DATA CONDUITS ON THE CORNER OF THE ROOM AND PROVIDE LOW LEVEL RACEWAY TO FINAL DEVICE LOCATIONS.

6 ISSUED FOR ADDENDUM E-01 2026.06.12

5 ISSUED FOR TENDER 2026.05.01

4 ISSUED FOR BUILDING PERMIT 2026.04.08

3 ISSUED FOR 100% CLIENT REVIEW 2026.03.31

2 ISSUED FOR 66% CLIENT REVIEW 2026.01.09

1 ISSUED FOR COSTING REVIEW 2025.11.24

NO. DESCRIPTION DATE

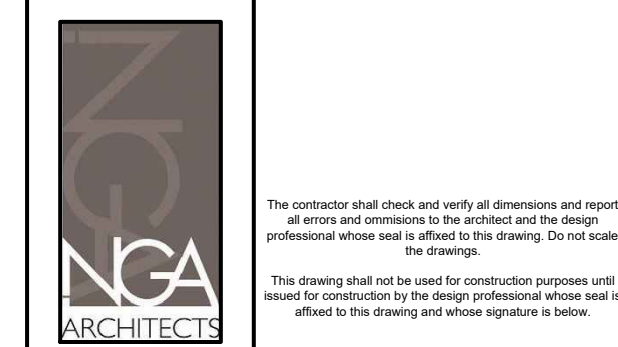
REVISIONS

PROJECT



REGION OF PEEL

EMIL V. KOLB CENTRE  
PEEL REGIONAL POLICE FACILITY  
INTERIOR RENOVATION PROJECT  
180 DERRY ROAD EAST, MISSISSAUGA, ON L5T 2Y5



STRUCTURAL CONSULTANT  
STEPHENSON ENGINEERING  
MECHANICAL CONSULTANT  
EXP SERVICES INC.  
ELECTRICAL CONSULTANT  
EXP SERVICES INC.

SHEET TITLE

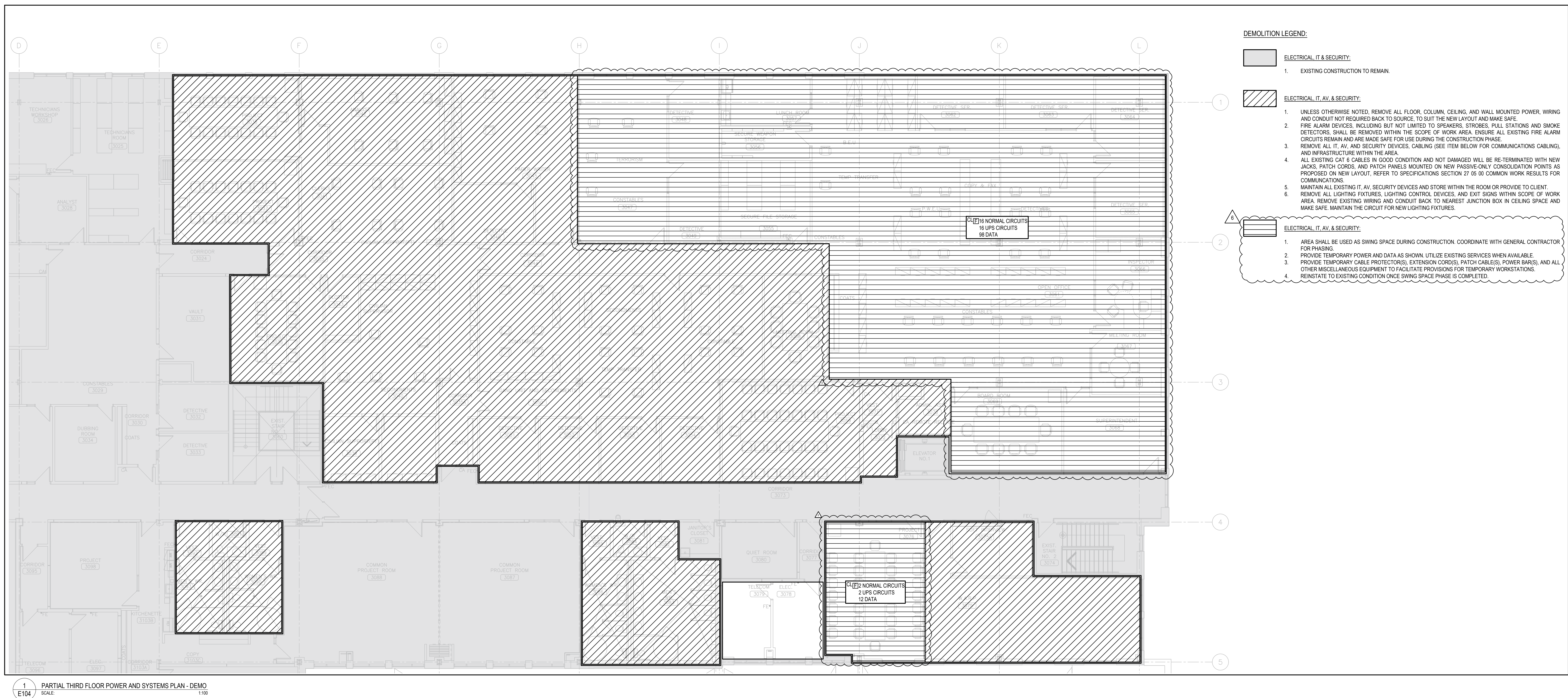
PARTIAL SECOND FLOOR -  
POWER AND SYSTEMS -  
DEMO & NEW

SHEET NO. DRAWN BY: ISBELL CHECKED: ME

E103 PROJECT NO. MRK-25008951-A0

SCALE





1 PARTIAL THIRD FLOOR POWER AND SYSTEMS PLAN - DEMO  
E104 SCALE: 1/8"

DEMOLITION LEGEND:

ELECTRICAL, IT & SECURITY:

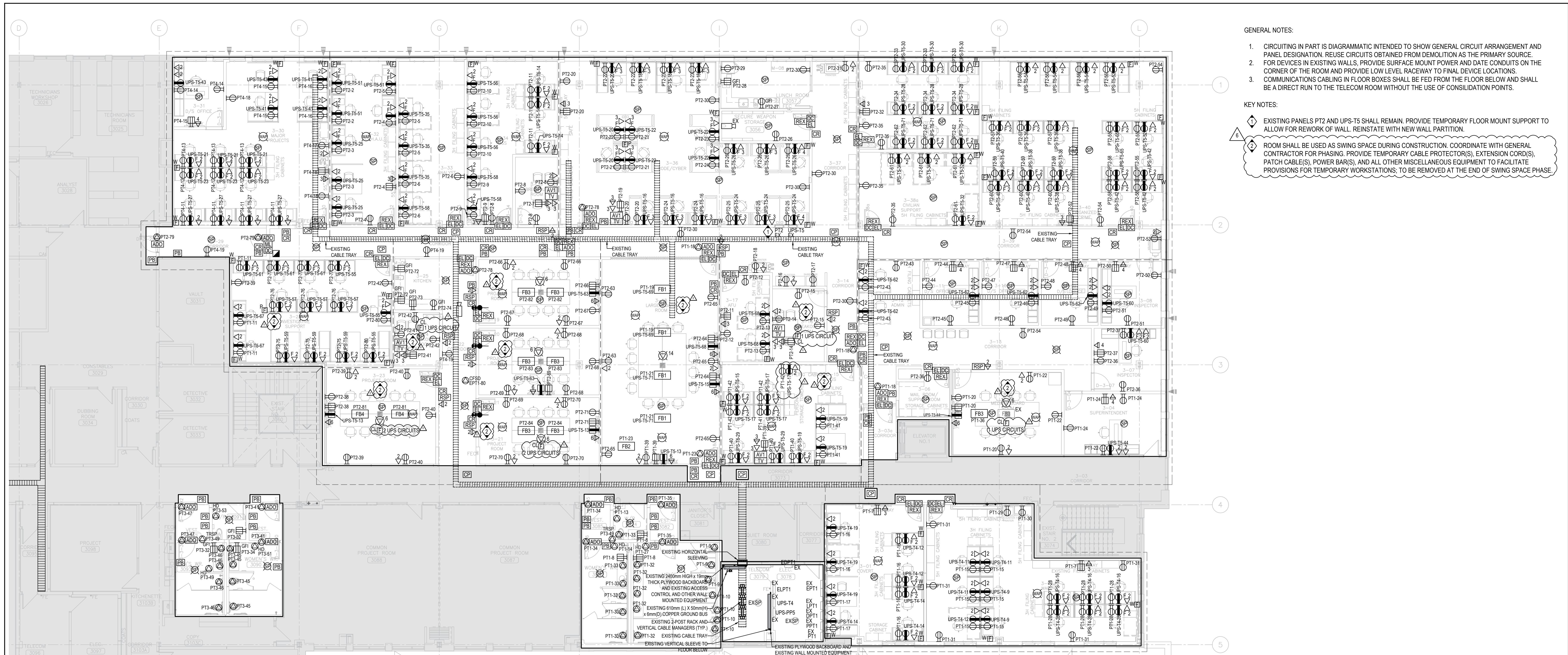
- EXISTING CONSTRUCTION TO REMAIN.

ELECTRICAL, IT, AV, & SECURITY:

- UNLESS OTHERWISE NOTED, REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, WIRING AND CONDUIT NOT REQUIRED BACK TO SOURCE, TO SUIT THE NEW LAYOUT AND MAKE SAFE.
- FIRE ALARM DEVICES, INCLUDING BUT NOT LIMITED TO SPEAKERS, STROBES, PULL STATIONS AND SMOKE DETECTORS, SHALL BE REMOVED WITHIN THE SCOPE OF WORK AREA. ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
- REMOVE ALL IT, AV, AND SECURITY DEVICES, CABLING (SEE ITEM BELOW FOR COMMUNICATIONS CABLING), AND INFRASTRUCTURE WITHIN THE AREA.
- ALL EXISTING CAT 6 CABLES IN GOOD CONDITION AND NOT DAMAGED WILL BE RE-TERMINATED WITH NEW JACKS, PATCH CORDS, AND PATCH PANELS MOUNTED ON NEW PASSIVE-ONLY CONSOLIDATION POINTS AS PROPOSED ON NEW LAYOUT, REFER TO SPECIFICATIONS SECTION 27 05 00 COMMON WORK RESULTS FOR COMMUNICATIONS.
- MAINTAIN ALL EXISTING IT, AV, SECURITY DEVICES AND STORE WITHIN THE ROOM OR PROVIDE TO CLIENT.
- REMOVE ALL LIGHTING FIXTURES, LIGHTING CONTROL DEVICES, AND EXIT SIGNS WITHIN SCOPE OF WORK AREA. REMOVE EXISTING WIRING AND CONDUIT BACK TO NEAREST JUNCTION BOX IN CEILING SPACE AND MAKE SAFE. MAINTAIN THE CIRCUIT FOR NEW LIGHTING FIXTURES.

ELECTRICAL, IT, AV, & SECURITY:

- AREA SHALL BE USED AS SWING SPACE DURING CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR FOR PHASING.
- PROVIDE TEMPORARY POWER AND DATA AS SHOWN, UTILIZE EXISTING SERVICES WHEN AVAILABLE.
- PROVIDE TEMPORARY CABLE PROTECTOR(S), EXTENSION CORD(S), PATCH CABLE(S), POWER BARS(S), AND ALL OTHER MISCELLANEOUS EQUIPMENT TO FACILITATE PROVISIONS FOR TEMPORARY WORKSTATIONS.
- REINSTATE TO EXISTING CONDITION ONCE SWING SPACE PHASE IS COMPLETED.



2 PARTIAL THIRD FLOOR POWER AND SYSTEMS PLAN - NEW  
E104 SCALE: 1/8"

GENERAL NOTES:

- CIRCUITING IN PART IS DIAGRAMMATIC INTENDED TO SHOW GENERAL CIRCUIT ARRANGEMENT AND PANEL DESIGNATION. REUSE CIRCUITS OBTAINED FROM DEMOLITION AS THE PRIMARY SOURCE.
- FOR DEVICES IN EXISTING WALLS, PROVIDE SURFACE MOUNT POWER AND DATA CONDUITS ON THE CORNER OF THE ROOM AND PROVIDE LOW LEVEL RACEWAY TO FINAL DEVICE LOCATIONS.
- COMMUNICATIONS CABLING IN FLOOR BOXES SHALL BE FED FROM THE FLOOR BELOW AND SHALL BE A DIRECT RUN TO THE TELECOM ROOM WITHOUT THE USE OF CONSOLIDATION POINTS.

KEY NOTES:

- EXISTING PANELS PT2 AND UPS-T5 SHALL REMAIN. PROVIDE TEMPORARY FLOOR MOUNT SUPPORT TO ALLOW FOR REWORK OF WALL. REINSTATE WITH NEW WALL PARTITION.
- ROOM SHALL BE USED AS SWING SPACE DURING CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR FOR PHASING. PROVIDE TEMPORARY CABLE PROTECTOR(S), EXTENSION CORD(S), PATCH CABLE(S), POWER BARS(S), AND ALL OTHER MISCELLANEOUS EQUIPMENT TO FACILITATE PROVISIONS FOR TEMPORARY WORKSTATIONS, TO BE REMOVED AT THE END OF SWING SPACE PHASE.

|   |                               |            |
|---|-------------------------------|------------|
| 6 | ISSUED FOR ADDENDUM E-01      | 2026.06.12 |
| 5 | ISSUED FOR TENDER             | 2026.05.01 |
| 4 | ISSUED FOR BUILDING PERMIT    | 2026.04.08 |
| 3 | ISSUED FOR 100% CLIENT REVIEW | 2026.03.31 |
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| 1 | ISSUED FOR COSTING REVIEW     | 2025.11.24 |

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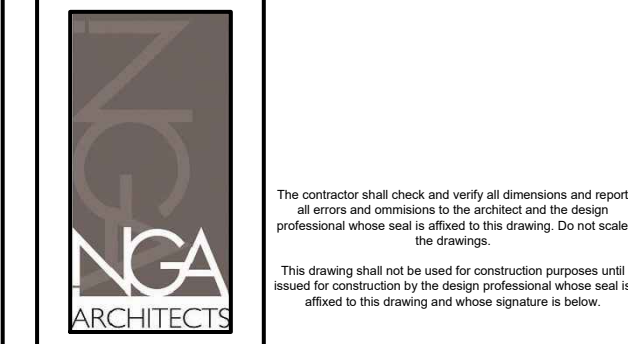
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PARTIAL THIRD FLOOR -  
POWER AND SYSTEMS -  
DEMO & NEW

SHEET NO. DRAWN BY CHECKED BY  
E104 SCALE: 1/8"